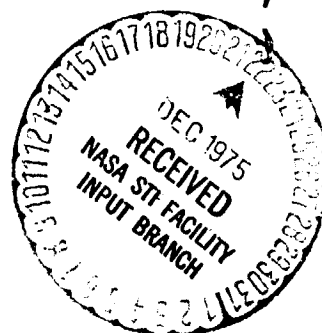


(NASA-CR-141818) RESULTS OF A PRESSURE
LOADS INVESTIGATION OF A 0.030-SCALE MODEL
(47-OTS) OF THE INTEGRATED SPACE SHUTTLE
VEHICLE CONFIGURATION 5 IN THE NASA AMES
RESEARCH CENTER 9 BY 7 FOOT LEG OF THE

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services



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RESULTS OF A PRESSURE LOADS INVESTIGATION
ON A 0.030-SCALE MODEL (47-OTS) OF THE
INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION
5 IN THE NASA AMES RESEARCH CENTER 9 x 7
FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81B)
VOLUME 2 OF 5

by

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Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 97-019
NASA Series Number: IA81B
Model Number: 47-OTS
Test Dates: August 6-22, 1974
Occupancy Hours: 208

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RESULTS OF A PRESSURE LOADS INVESTIGATION ON
A 0.030-SCALE MODEL (47-OTS) OF THE
INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION
5 IN THE NASA AMES RESEARCH CENTER
9 x 7 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81B)

by

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ABSTRACT

Presented in this report are results of wind tunnel test IA81B. The model tested was a 0.030-scale model of the Integrated Space Shuttle Vehicle Configuration 5. Testing was conducted in the NASA Ames Research Center 9 x 7-foot Unitary Plan Wind Tunnel to investigate pressure distributions for aeroloads analysis at Mach numbers from 1.55 through 2.5. Angles of attack and sideslip were varied from -6 to +6 degrees.

This report consists of 1 volume of force data and 4 volumes of pressure data for a total of 5 volumes. They are arranged in the following manner:

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1	IA81B force data	
2	IA81B plotted pressure data	
3	IA81B tabulated pressure data	
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ABSTRACT (Concluded)

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	(b) right lower wing surface	pages 1188-1299
	(c) right upper wing surface	pages 1300-1459
5	IA81B tabulated pressure data	
	(a) left vertical tail surface	pages 1460-1571
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- A) CAF, CNF, CLMF versus ALPHAI
CNF versus CLMF
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CY versus CBL
- C) CHEO, CHEI versus ALPHAO
- D) CABO versus ALPHAO
- E) CABET versus ALPHAT
- F) CABSRB versus ALPHAL
- G) CABSRB versus ALPHAR
- H) CAFAFO versus MACH
- I) XAC/LV versus MACH
- J) CNALFA versus MACH
- K) YAC/LV versus MACH
- L) CYBETA versus MACH
- M) CHEO, CHEI versus MACH
- N) DCAF, DCNF, DCLMF versus MACH
- O) CP versus X/LB
- P) CP versus X/LT
- Q) CP versus X/LS
- R) CP versus X/CV
- S) CP versus X/CW

NOMENCLATURE
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

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

SUBSCRIPTS

b	base
i	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

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

Stability-Axis System

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

NOMENCLATURE (Continued)
 Additions to Standard Nomenclature

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Defintion</u>
A_{bET}		external tank base area, ft ²
A_{bf}		body flap upper surface area, ft ²
A_{bO}		Orbiter base area, ft ²
A_{bOMS}		OMS pod base area, ft ²
A_{bSRB}		SRB base area, ft ²
C_{AbET}	CABET	external tank base axial force coefficient
C_{AbO}	CABO	Orbiter base axial force coefficient
C_{AbSRB}	CABSRB	SRB base axial force coefficient
C_{AET}		external tank total axial force coefficient
C_{AFET}		external tank forebody axial force coefficient
C_{AFO}		Orbiter forebody axial force coefficient
C_{AFSRB}		SRB forebody axial force coefficient
C_{AO}		Orbiter total axial force coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_{OMS}}}$		OMS pod average base pressure coefficient
$C_{p_{b_{SRB}}}$		SRB average base pressure coefficient
C_{p_i}		pressure coefficient associated with i^{th} tap
ET		external tank
i_{b_0}		Orbiter base incidence angle to a line of constant X_0 , deg.
l_b		Orbiter fuselage length, in.
MRP		moment reference point
OMS		orbital maneuvering system
RN/FT	RN/L	unit Reynolds number, million per foot
S_e		elevon surface area, ft^2
SRB		solid rocket booster
X_{bf}		longitudinal distance from MRP to bodyflap area centroid, in.
X_{b_0}		longitudinal distance from MRP to Orbiter base area centroid, in.
X/C	X/CW	chordwise location on wing
X/Cv	X/CV	chordwise location on vertical tail
X_0		Orbiter longitudinal station, in.
X_0/L_0	X/LT	location on Orbiter, fraction of Orbiter body length aft of Orbiter nose

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{A_{SRB}}$		SRB total axial force coefficient
\bar{C}_e		elevon mean aerodynamic chord, in
C_{he_I}	CHEI	inboard elevon hinge moment coefficient
C_{he_o}	CHEO	outboard elevon hinge moment coefficient
$C_{m_{bf}}$	CMBF	bodyflap upper surface pitching moment coefficient
$C_{m_{bo}}$	CMBO	Orbiter base pitching moment coefficient
$C_{m_{fo}}$		Orbiter forebody pitching moment coefficient
C_{m_o}		Orbiter total pitching moment coefficient
$C_{n_{bf}}$		bodyflap upper surface normal force coefficient
$C_{n_{bo}}$		Orbiter base normal force coefficient
$C_{n_{fo}}$		Orbiter forebody normal force coefficient
C_{n_o}		Orbiter total normal force coefficient
$C_{p_{bET}}$		external tank average base pressure coefficient
$C_{p_{bf}}$		bodyflap average upper surface pressure coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_0}}$		Orbiter average base pressure coefficient
X_S	XS	SRB longitudinal station, in.
X_S/l_S	X/LS	location on SRB, fraction of SRB body length aft of SRB nose
X_T	XT	external tank longitudinal station, in.
X_T/l_T	X/LT	location on ET, fraction of ET body length aft of ET nose
Y_0	YO	Orbiter lateral station, in.
Y_S	YS	SRB lateral station, in.
Y_T	YT	external tank lateral station, in.
Z_{b_0}		vertical distance from MRP to Orbiter base area centroid, in.
Z_0	Z0	Orbiter vertical station, in.
Z_S	ZS	SRB vertical station, in
Z_T	ZT	external tank vertical station, in.
α_0	ALPHAO	Orbiter angle of attack, degrees
α_{S_L}	ALPHAL	left SRB angle of attack, degrees
α_{S_R}	ALPHAR	right SRB angle of attack, degrees
α_T	ALPHAT	external tank angle of attack, degrees
β_0	BETA0	Orbiter angle of sideslip, degrees

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
β_{BL}	BETAL	left SRB angle of sideslip, degrees
β_{SR}	BETAR	right SRB angle of sideslip, degrees
β_T	BETAT	external tank angle of sideslip, degrees
δ_{ei}	ELV-IB	inboard elevon deflection angle, degrees
δ_{eo}	ELV-OB	outboard elevon deflection angle, degrees
δ_R	RUDDER	rudder deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
η	2Y/b	spanwise station, 2Y/b
ϕ	PHI	radial location, degrees
C_{Ac}		orbiter sting cavity axial force coefficient
β_I	BETAI	integrated vehicle angle of sideslip, degrees
α_I	ALPHAI	integrated vehicle angle of attack, degrees
X/LB	X/LB	longitudinal position/body length (fuselage)
Y/BW	Y/BW	local spanwise position/wing span
Z/BV	Z/BV	local spanwise position/vertical tail span

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
C_{n_f}	CYNF	forebody yawing moment coefficient, body axis system
C_{m_f}	CLMF	forebody pitching moment coefficient
C_{N_f}	CNF	forebody normal force coefficient
C_{A_f0}	CAFAFO	forebody axial force coefficient at zero alpha
C_{N_α}	CNALFA	derivative of normal-force coefficient with respect to alpha, per degree
X_{cp}/ℓ_v	XAC/LV	vertical tail chordwise center of pressure location
Y_{cp}/ℓ_v	YAC/LV	vertical tail spanwise center of pressure location
C_{Y_β}	CYBETA	derivative of side-force coefficient with respect to beta, per degree
ΔC_{A_f}	DCAF	incremental forebody axial force coefficient
ΔC_{N_f}	DCNF	incremental forebody normal force coefficient
ΔC_{m_f}	DCLMF	incremental forebody pitching moment coefficient
CHM1	CHM1	contributions of the forward bridge to the inboard elevon hinge moment coefficient
CHM2	CHM2	contributions of the aft bridge to the inboard elevon hinge moment coefficient
CHM3	CHM3	contributions of the forward bridge to the outboard elevon hinge moment coefficient
CHM4	CHM4	contributions of the aft bridge to the outboard elevon hinge moment coefficient

NOMENCLATURE (Concluded)

Data Set Identifiers

The fourth letter of the data set identifier indicates the component,
e.g., RETT04.

Force

O	Orbiter
T	External Tank
L	Left SRB
R	Right SRB
H	Orbiter - Hinge moment
I	Integrated Vehicle

Pressure

B	Orbiter Fuselage
L	Left Wing lower surface
U	Left Wing upper surface
W	Right Wing lower surface
R	Right Wing upper surface
V	Left Vertical Tail
S	SRM Booster
T	External Tank
C	Miscellaneous Orifices

CONFIGURATIONS INVESTIGATED

The model was a 0.030-scale representation of the Rockwell International Space Shuttle Integrated Vehicle. The Orbiter was per VL70-000140A/B lines. The external tank represented VL78-000063 lines. The solid rocket motors were per VL72-000066 lines. Figures 2a, b, and c present sketches of the model configuration. Model simulation included attach structure protuberances, fairings, fuel feed lines, vent lines, etc. (basic model construction was of ARMCO 17-4 steel).

Model forces and moments were measured by 3 Task Corporation six component balances. A 2.5 in. MK XXA was mounted in the Orbiter. A 2.0 in. MK IIIC was mounted in the external tank. A 1.5 in. MK IIC was mounted in the LH SRB. The balances are attached to stings entering each component through the base areas. Figures 2m and 2n show the balance locations in the model. The RH wing inboard and outboard elevon panels are instrumented with hinge moment gages as shown in figure 1c.

Surface and base pressures were measured on the Orbiter, external tank and solid rocket motors. The Orbiter was instrumented with a total of 480 pressure-orifices, of which 6 were base and cavity pressures. The external tank was instrumented with a total of 314 pressure orifices. The LH SRM was instrumented with a total of 149 pressure orifices. Orifice locations are presented in tables IV through VIII and figures 2d through 2l.

The following model shorthand configuration notation was used:

LVA' = AT₂₈ thru 32 FL₁₀ FL₁₁ FR₁₀ N₈₆ O₁ PT₁₂ PT₂₂₋₂₇ S₂₁ T₂₈

CONFIGURATIONS INVESTIGATED (Concluded)

AT ₂₈ thru 32	=	Attach hardware structure
FL ₁₀	=	LH ₂ feedline
FL ₁₁	=	LO ₂ feedline
FR ₁₀	=	Umbilical door fairing
N ₈₆	=	Nozzles for solid rocket boosters
O ₁	=	B ₂₆ C ₉ E ₄₄ F ₉ M ₁₆ N ₂₈ R ₅ V ₈ W ₁₁₆
PT ₁₂	=	Lightning rod on nose of T ₂₈
PT ₂₂ thru 27	=	External protuberance
S ₂₁	=	Solid rocket boosters
T ₂₈	=	External tank

Where model dimensions are as described in table III. The LVA' configuration was tested with speed brake gap both sealed and open and with elevon gap both sealed and open. The (instrumented) right elevon gap was sealed by a permanent sponge rubber seal. The left elevon gap was sealed with plaster. Speed brake gaps were sealed by red wax.

TEST FACILITY DESCRIPTION

The Ames Research Center 9 by 7 foot Supersonic Wind Tunnel is a closed-circuit, air-medium, variable-density facility capable of attaining Mach numbers from 1.55 to 2.50 at Reynolds numbers from $1.5 \times 10^6/\text{ft}$ to $6.5 \times 10^6/\text{ft}$. The 18 foot long test section is part of a dual system of supersonic circuits and uses the same motors and compressor as the 8 by 7 foot tunnel. A sliding-block throat arrangement is used to control tunnel Mach number.

Models are supported by means of stings attached to the wall-to-wall strut/BOR system of the 9 by 7 foot tunnel.

Schlieren photograph, shadowgraphs, and pressure monitoring instrumentation are available.

DATA REDUCTION

All balances data were reduced to coefficients about a moment reference point located at:

$$X_T = 976.0 \text{ in.}$$

$$Y_T = 0.0 \text{ in.}$$

$$Z_T = 400.0 \text{ in.}$$

The following reference dimensions were used:

$$S = 2690.0 \text{ ft}^2$$

$$l_b = 1297.0 \text{ in.}$$

Hinge moment data were reduced about their respective hinge lines using the following reference values:

$$S_e = 210.0 \text{ ft}^2$$

$$\bar{c}_e = 90.7 \text{ in.}$$

Base and forebody coefficients were calculated as follows:

$$C_{N_{b_0}} = -C_{p_{b_0}} \frac{A_{b_0}}{S} \tan i_{b_0} - C_{p_{b_{OMS}}} \frac{A_{b_{OMS}}}{S}$$

$$C_{N_{bf}} = -C_{p_{bf}} \frac{A_{bf}}{S}$$

$$C_{A_{b_0}} = -C_{p_{b_0}} \frac{A_{b_0}}{S} - C_{p_{b_{OMS}}} \frac{A_{b_{OMS}}}{S}$$

$$C_{A_{b_{ET}}} = -C_{p_{b_{ET}}} \frac{A_{b_{ET}}}{S}$$

DATA REDUCTION (Continued)

$$C_{A_{bSRB}} = -C_{P_{bSRB}} \frac{A_{bSRB}}{S}$$

$$C_{m_{b_0}} = -\frac{x_{b_0}}{l_b} C_{N_{b_0}} + \frac{z_{b_0}}{l_b} C_{A_{b_0}}$$

$$C_{m_{bf}} = -\frac{x_{bf}}{l_b} C_{N_{bf}}$$

$$C_{N_{f_0}} = C_{N_0} - C_{N_{b_0}} - C_{N_{bf}}$$

$$C_{m_{f_0}} = C_{m_0} - C_{m_{b_0}} - C_{m_{bf}}$$

$$C_{A_{f_0}} = C_{A_0} - C_{A_{b_0}}$$

$$C_{A_{fET}} = C_{A_{ET}} - C_{A_{bET}}$$

$$C_{A_{fSRB}} = C_{A_{SRB}} - C_{A_{bSRB}}$$

$$A_{bET} = 597.56 \text{ ft}^2$$

$$A_{bf} = 142.6 \text{ ft}^2$$

$$A_{b_0} = 314.10 \text{ ft}^2$$

$$A_{bOMS} = 122.57 \text{ ft}^2$$

DATA REDUCTION (Concluded)

$$A_{b_{SRB}} = 201.07 \text{ ft}^2$$

$$i_{b_0} = 14.75^\circ$$

$$x_{bf} = 1329.7 \text{ in.}$$

$$x_{b_0} = 1263.0 \text{ in.}$$

$$z_{b_0} = 336.5 \text{ in.}$$

Base pressure coefficients represented the average pressure on the respective bases. Body flap pressure coefficients were as given by figure 20.

Right SRB forces and moments were calculated as a mirror image of left SRB forces and moments about $\beta = 0$:

$$\left(\begin{array}{l} \text{Coefficient on} \\ \text{Right SRB} \\ \text{at } +\beta \end{array} \right) = \left(\begin{array}{l} \text{Coefficient on} \\ \text{Left SRB} \\ \text{at } -\beta \end{array} \right)$$

Forces and moment on each component (Orbiter, ET, left SRB, and right SRB) were interpolated versus the respective angle of attack and angle of sideslip of each component to nominal angles. These data were then added to provide total integrated vehicle forces and moments.

TABLE I

TEST : IA81B

DATE : 8-23-74

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
1.55	2.50×10^6	3.189	120
2.00	2.50×10^6	3.189	120
2.20	2.50×10^6	3.750	120
2.50	2.50×10^6	3.472	120

BALANCE UTILIZED: Task Corp 2.5" MK XXA, 2.0" MKIIC, 1.5" MKIIC

	CAPACITY:			COEFFICIENT TOLERANCE:
	2.5"	2.0"	1.5"	
NF	6000	1800	1000	_____
SF	3000	900	500	_____
AF	600	500	100	_____
PM				_____
RM	4000	1000	800	_____
YM				_____

COMMENTS:

TABLE II

TEST: IAB/B 97-019		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 8-23-74																															
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		δR	δs	M	R _Y	B=0	ALPHA - α						TEST RUN NUMBERS																												
		α	β						-6	-4	-2	0	+2	+4	+6	-6	-4	-2	0	+2	+4	+6																					
RET 030	LVA' W/ALL HINGELINES SEALED	D	O	0	0	55	2.5	100																																			
31		D	O	0	0	55	2.2	101																																			
32		D	O	0	0	55	2.0	102																																			
33		I	O	0	0	55	1.55	103																																			
34		E	O	3/4	0	0	1.55	115																																			
35		A	A	3/4	0	0	1.55																																				
36		A	A	3/4	0	0	2.0																																				
37		A	A	3/4	0	0	2.2																																				
38		A	A	3/4	0	0	2.5																																				
39		G	G	0/0	0	0	1.55																																				
40		G	G	0/0	0	0	2.0																																				
41		G	G	0/0	0	0	2.2																																				
42		G	G	0/0	0	0	2.5																																				
43		H	H	3/0	0	0	1.55																																				
44		H	H	3/0	0	0	2.0																																				
45		H	H	3/0	0	0	2.2																																				
46		H	H	10/4	0	0	1.55																																				
47		H	H	10/4	0	0	2.0																																				
7																																											
13																																											
19																																											
25																																											
31																																											
37																																											
43																																											
49																																											
55																																											
61																																											
67																																											
75																																											

SEE SUPPLEMENTARY SCHEDULE ON FOLLOWING PAGE
 a OR b SEE PAGE 28
 SCHEDULES

TABLE II (Continued)

COMPONENT	DATASET IDENTIFIER	INDEPENDENT VARIABLES	FORCE COEFFICIENT SCHEDULE																	
Orbiter	RETOXX	BETAO	ALPHAO	CNF	CLMF	CA	CY	CYNF	CBL	*CABT	CAF									
External Tank	RETTXX	BETAT	ALPHAT	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF									
Left SRB	RETLXX	BETAL	ALPHAL	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF									
Hinge Moment	RETHXX	BETAO	ALPHAO	CHEI	CHEO	CHM1	CHM2	CHM3	CHM4											

* Where CABT is $C_{A_b} + C_{A_c}$ for each vehicle component.

TABLE II (Concluded)

Nominal α or β Schedules

		Schedule A							Schedule H						
		-6	-4	-2	0	2	4	6	-6	-4	-2	0	2	4	6
β	α														
-6	-6	-	X	X	X	X	X	-	-			X			
-4	-4	X	X	-	X	-	X	X	X			X		X	
-2	-2	X	-	X	-	X	-	X	X			X			
0	0	X	X	-	X	-	X	X	X			X		X	X
2	2	X	-	X	-	X	-	X	X			X			
4	4	X	X	-	X	-	X	X	X			X		X	
6	6	-	X	X	X	X	X	-	X			X			

Schedule G

β	α	-6	-4	0	4	6
-6	-6			X		
-4	-4		X	X	X	
0	0	X	X	X	X	X
4	4		X	X	X	
6	6			X		

Schedule D

$\beta = 0, \alpha = -6, -4, 0, 4, 8, 10$

Schedule E

$\beta = 0, \alpha = -6, -4, -2, 0, 2, 4, 6$

Schedule I

$\beta = 0, \alpha = -6, -4, 0, 4, 8$

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT28

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH). 2 Members.

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:

	<u>MEMBER</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	#1	X _O	<u>1317.00</u>	<u>39.51</u>
		Y _O	<u>- 96.50 (LH)</u>	<u>- 2.895</u>
			<u>96.50 (RH)</u>	<u>2.895</u>
		Z _O	<u>267.50</u>	<u>8.025</u>
		X _T	<u>2058.00</u>	<u>61.740</u>
		Y _T	<u>- 125.68 (LH)</u>	<u>- 3.770</u>
			<u>125.68 (RH)</u>	<u>3.770</u>
		Z _T	<u>515.5</u>	<u>15.465</u>
	#2	X _O	<u>1317.00</u>	<u>39.51</u>
		Y _O	<u>- 96.50 (LH)</u>	<u>- 2.895</u>
			<u>96.50 (RH)</u>	<u>2.895</u>
		Z _O	<u>267.50</u>	<u>8.025</u>
		X _T	<u>1872.00</u>	<u>56.160</u>
		Y _T	<u>-125.68 (LH)</u>	<u>- 3.770</u>
			<u>125.68 (RH)</u>	<u>3.770</u>
		Z _T	<u>504.5</u>	<u>15.135</u>
Diameter, In.	#1		<u>11.5</u>	<u>0.345</u>
	#2		<u>15.5</u>	<u>0.465</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₉

GENERAL DESCRIPTION: Right-hand umbilical fairing to ET cross member attach structure (1 member).

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000062B, -Martin Marietta 82600207000

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Umbilical fairing attach point:	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>66.316</u>	<u>1.989</u>
	Z _O	<u>247.182</u>	<u>7.415</u>
	X _T	<u>2058.683</u>	<u>61.740</u>
	Y _T	<u>66.316</u>	<u>1.989</u>
	Z _T	<u>583.683</u>	<u>17.510</u>
ET attach point:	X _T	<u>2058.00</u>	<u>61.740</u>
	Y _T	<u>- 12.00</u>	<u>- 0.360</u>
	Z _T	<u>568.25</u>	<u>17.048</u>
	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>- 12.00</u>	<u>- 0.36</u>
	Z _O	<u>60.75</u>	<u>1.823</u>
Attach structure dia., in.		<u>4.5</u>	<u>0.135</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT30

GENERAL DESCRIPTION: Forward SRB to ET attach structure (LH and RH).

MODEL SCALE: 0.030

DRAWING NO.: VL78-000066, Martin Marietta 82600204300

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point		
X _T	985.675	29.570
Y _T	-172.50 (LH) 172.50 (RH)	- 5.175 5.175
Z _T	0.0	0.0
X _S	442.675	13.280
Y _S	80.00	2.400
Z _S	0.0	0.0
X _O	244.675	7.340
Y _O	- 184.5 (LH) 184.5 (RH)	-5.535 5.535
Z _O	0.0	0.0

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH & RH), 3 members.

MODEL SCALE: 0.030

MODEL DRAWING: _____

DRAWING NO.: VL78-000063, -000062B, -000066

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE
	#1		
	XT	<u>2058.00</u>	<u>61.74</u>
	YT	<u>- 171.50 (LH)</u>	<u>- 5.145</u>
		<u>171.50 (RH)</u>	<u>5.145</u>
	ZT	<u>457.00</u>	<u>13.710</u>
	X _s	<u>1511.00</u>	<u>45.33</u>
	Y _s	<u>53.24</u>	<u>1.597</u>
	Z _s	<u>57.00</u>	<u>1.710</u>
	#2		
	XT	<u>2058.00</u>	<u>61.74</u>
	YT	<u>- 163.58</u>	<u>- 4.916</u>
	ZT	<u>449.81</u>	<u>13.494</u>
	X _s	<u>1511.00</u>	<u>45.33</u>
	Y _s	<u>76.56</u>	<u>2.297</u>
	Z _s	<u>15.73</u>	<u>0.472</u>
	#3		
	XT	<u>2058.00</u>	<u>61.74</u>
	YT	<u>- 161.72</u>	<u>- 4.852</u>
	ZT	<u>343.00</u>	<u>10.29</u>
	X _s	<u>1511.00</u>	<u>45.33</u>
	Y _s	<u>53.24</u>	<u>1.597</u>
	Z _s	<u>- 57.00</u>	<u>- 1.710</u>
Diameter of members, In.:	#1	_____	_____
	#2	_____	_____
	#3	_____	_____

TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT32

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 member structure)

MODEL SCALE: 0.030

DRAWING NO.: VL78-000062B, Martin Marietta 8260020914

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE
	#1	X_O <u>388.15</u>	<u>11.6445</u>
		Y_O <u>0.0</u>	<u>0.0</u>
	(Attach pt on orb $Z_T = 614$)	Z_O <u>LWR ML</u>	<u>LWR ML</u>
		X_T <u>1129.9</u>	<u>34.05</u>
		Y_T <u>46.50</u>	<u>1.395</u>
	(Attach pt on tank)	Z_T <u>562.58</u>	<u>16.877</u>
	#2	X_O <u>388.15</u>	<u>11.645</u>
		Y_O <u>0.0</u>	<u>0.0</u>
		Z_O <u>LWR ML</u>	<u>LWR ML</u>
		X_T <u>1129.9</u>	<u>34.05</u>
		Y_T <u>-46.50</u>	<u>-1.395</u>
		Z_T <u>562.58</u>	<u>16.877</u>
Diameter, In.	#1	<u>6.0</u>	<u>0.180</u>
	#2	<u>6.0</u>	<u>0.180</u>

TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - B₂₆

GENERAL DESCRIPTION : Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₁, except underside of fuselage has been
refaired to accept W₁₁₆.

MODEL SCALE: 0.030 MODEL DRAWING NO.: SS-A00147, Rel. 12.

DRAWING NUMBER : VL70-000143B, -000200, -000205, -006089, -000145,
-000140A, -000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. X ₀ =235), In.	<u>1293.3</u>	<u>38.799</u>
Length (IML: Fwd Sta. X ₀ =238), In.	<u>1290.3</u>	<u>38.709</u>
Max Width (@ X ₀ = 1528.3), In.	<u>264.0</u>	<u>7.920</u>
Max Depth (@ X ₀ = 1464), In.	<u>250.00</u>	<u>7.500</u>
Fineness Ratio	<u>0.264</u>	<u>0.264</u>
Area - Ft. ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>340.88</u>	<u>0.307</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A. Canopy used with fuselage B₂₆

MODEL SCALE: 0.030

MODEL DWG NO.: SS-A00147

DRAWING NUMBER: VL70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_o = 434.643$ to 578), In.	<u>143.357</u>	<u>4.301</u>
Max Width ($X_o = 513.127$), In.	<u>152.412</u>	<u>4.572</u>
Max Depth (At $X_o = 485.$), In.	<u>25.000</u>	<u>0.750</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - E₁₄

GENERAL DESCRIPTION: 6.0 In. F.S. gaps machined into E₁₄ elevon. Flapper doors, centerbody pieces, and tipseals are not simulated. (Data are for one of two sides).

MODEL SCALE: 0.030

DRAWING NUMBER: Not available

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area -- Ft ²	<u>210.0</u>	<u>0.189</u>
Span (equivalent), In.	<u>349.2</u>	<u>10.476</u>
Inb'd equivalent chord, In.	<u>118.0</u>	<u>3.54</u>
Outb'd equivalent chord, In.	<u>55.19</u>	<u>1.556</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment <small>(Product of area & \bar{c})</small> <small>(Normal to chord line), Ft³</small>	<u>1587.25</u>	<u>0.0429</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>2.721</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY FLAP - F₉

GENERAL DESCRIPTION : Configuration 140 A/B

MODEL SCALE: 0.030

DRAWING NUMBER : VL70-000140B, -000200

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Chord), In.	<u>84.7</u>	<u>2.541</u>
Max Width , In.	<u>262.308</u>	<u>7.869</u>
Max Depth , In.	<u>23.00</u>	<u>0.690</u>
Fineness Ratio	<u></u>	<u></u>
Area - Ft. ²	<u></u>	<u></u>
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u>142.60</u>	<u>0.128</u>
Wetted	<u></u>	<u></u>
Base	<u>41.90</u>	<u>0.0377</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	62.145
	Y _T	- 70.0	- 2.100
	Z _T	573.934	17.218
Trailing edge at:	X _T	2081.80	62.454
	Y _T	- 70.00	- 2.10
	Z _T	584.059	17.522
Diameter of line (17.0 I.D.)		18.160	0.545

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1000.667</u>	<u>30.02</u>
	Y _T	<u>70.00</u>	<u>2.10</u>
	Z _T	<u>150.519</u>	<u>4.516</u>
Trailing edge at:	X _T	<u>2071.5</u>	<u>62.145</u>
	Y _T	<u>70.00</u>	<u>2.100</u>
	Z _T	<u>573.934</u>	<u>17.218</u>
Line diameter (17.0 I.D.)	(O.D.)	<u>18.16</u>	<u>0.545</u>

TABLE III. -MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.030

DRAWING NO.: VI.78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	2052.0	61.74
Length	193.0	5.79
Width	15.0	0.45

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: OMS POD - M16

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod

MODEL SCALE: 0.030

DRAWING NUMBER VI.70-008401, -008410

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_0=1310.5$), In.	<u>258.50</u>	<u>7.755</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>4.104</u>
Max Depth (@ $X_0 = 1511$), In.	<u>74.70</u>	<u>2.241</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - ft ²		
Max Cross-Sectional	<u>58.864</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: OMS NOZZLES - N^o28

GENERAL DESCRIPTION: Configuration 140A 'B orbiter OMS Nozzles

MODEL SCALE: 0.030

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

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane	_____	_____
Throat to Exit Plane	_____	_____
Diameter - In.		
Exit	_____	_____
Throat	_____	_____
Inlet	_____	_____
Area - ft ²		
Exit	_____	_____
Throat	_____	_____
Gimbal Point (Station) - In.		
Left Upper Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>- 88.0</u>	<u>--2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Right Lower Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>88.0</u>	<u>2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Null Position - Deg.		
Left Upper Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>
Right Lower Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BSRM NOZZLE - N86

GENERAL DESCRIPTION: Booster solid rocket motor nozzles.

MODEL SCALE: 0.030

DRAWING NO.: VL70-000066

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Diameter, D_{ex} - In. (I.D.)	144.29	4.3287
Diameter, D_{ex} - In. (O.D.)	146.79	4.4037
Diameter, D_T - IN.		
Diameter, D_{in} - In.		
Area - Ft ²		
Max. Cross-sectional (I.D.)	113.553	0.102
Gimbal Origin:		
Left Nozzle		
X_o	1902.6	57.078
Y_o	-250.50	-7.515
Z_o	400.0	12.00
Right Nozzle		
X_o	1902.6	57.078
Y_o	250.50	7.515
Z_o	400.0	12.00
Null Position: (Deg.)		
Left nozzle gimbal	± 8	± 8
Right nozzle gimbal	± 8	± 8

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

POINT: ET PROTUBERANCE - PT12

GENERAL DESCRIPTION: Lightning rod attached to ET nose.

MODEL SCALE: 0.030

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	30.90	0.927
Diameter - In.	3.20	0.096

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₂

GENERAL DESCRIPTION: Left-hand electrical conduit line on T₂₂.

MODEL SCALE: 0.030.

DRAWING NUMBER VL78-000063, -000062B

<u>DIMENSION:</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>- 99.591</u>	<u>- 2.988</u>
	Z _T	<u>-139.620</u>	<u>- 4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.740</u>
	Y _T	<u>- 99.591</u>	<u>- 2.988</u>
	Z _T	<u>- 139.620</u>	<u>- 4.189</u>
Conduit size:		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5$ deg.			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO₂ recirculation line on right-hand upper side side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	94.169	2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	70.000	2.100
	Z _T	573.934	17.218
Diameter of line		4.0	0.120
Centerline of line located radially at $\theta = 33^{\circ}45'$ (Right of TDC looking forward)			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LH₂ RECIRCULATION LINE - PT₂₄

GENERAL DESCRIPTION: LH₂ recirculation line on T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	- 94.169	- 2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	- 70.00	-2.100
	Z _T	573.934	17.218
Diameter of line		4.00	0.120
Centerline of line located radially at $\theta = 33^{\circ}45'$ (Left of TDC looking forward)			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₂₈ with
LH₂ pressure sensor line and LOX vent valve actuator line.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.74</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Line diameter		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5^\circ$			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	15.145	0.454
	Z _T	407.718	12.232
Trailing edge at:	X _T	2083.5	62.505
	Y _T	63.25	1.898
	Z _T	609.00	18.27
Centerline of line located radially at $\theta = 27^\circ$			
Line diameter		2.0	0.060

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT27

GENERAL DESCRIPTION: Electrical conduit on the right-hand forward section of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	11.549	0.346
	Z _T	412.474	12.374
Trailing edge at:	X _T	876.273	26.288
	Y _T	226.114	6.783
	Z _T	646.774	19.403

Centerline of conduit located radially at $\theta = 47.5^\circ$

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (Identical to configuration 140A 'B rudder).

MODEL SCALE: 0.030

DRAWING NUMBER: VI.70-000146B --000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.090</u>
Span (equivalent), In.	<u>201.0</u>	<u>6.03</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>2.748</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>1.525</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Product of area & c̄) (Normalized to hingeline), Ft ³	<u>610.92</u>	<u>0.016</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.196</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S21

GENERAL DESCRIPTION: _____

MODEL SCALE: 0.030

DRAWING NUMBER VL72-000143D, VL77-000066

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes nozzle), In.	<u>1789.40</u>	<u>53.682</u>
Max Width Tank Diameter, In.	<u>146.00</u>	<u>4.38</u>
Max Depth Aft shroud Dia., In.	<u>192.00</u>	<u>5.76</u>
Fineness Ratio	<u>9.3198</u>	<u>9.3198</u>
Area - Ft ²		
Max Cross-Sectional	<u>201.062</u>	<u>0.1809</u>
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____
WP of BSRM centerline (Z_T)	<u>400.0</u>	<u>1.200</u>
FS of BSRM nose (X_T)	<u>743.0</u>	<u>22.29</u>
BP of BSRM centerline (Y_T)	<u>250.5</u>	<u>7.515</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION: _____

NOTE: (Dimensions are to tank structural OML, TPS not included.)

MODEL SCALE: 0.030

DRAWING NUMBER VL72-000143D, VL78-000063

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length , In.	<u>1844.275</u>	<u>55.328</u>
Max Width Dia., In.	<u>331.00</u>	<u>9.93</u>
Max Depth	_____	_____
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²		
Max Cross-Sectional	<u>594.678</u>	<u>0.053</u>
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: VERTICAL - V_g

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

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140C, -000146B

DIMENSIONS:	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.372</u>
Span (Theo) - In.	<u>315.72</u>	<u>9.472</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>41.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>8.055</u>
Tip (Theo) WP	<u>108.47</u>	<u>3.254</u>
MAC	<u>199.81</u>	<u>5.992</u>
Fus. Sta. of .25 MAC	<u>1463.35</u>	<u>43.901</u>
W.P. of .25 MAC	<u>635.52</u>	<u>19.066</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.0019</u>
Blanketed Area	<u>0.0</u>	<u>0.0</u>

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: WING-W 116

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W₁₁₄, except airfoil thickness. Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.030

TEST NO.

DWG. NO. VL70-000140A, -000200

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (Theo.) Ft ²		
Planform	<u>2690.00</u>	<u>2.421</u>
Span (Theo) In.	<u>936.68</u>	<u>28.10</u>
Aspect Ratio	<u>2.265</u>	<u>2.265</u>
Rate of Taper	<u>1.177</u>	<u>1.177</u>
Taper Ratio	<u>0.200</u>	<u>0.200</u>
Dihedral Angle, degrees	<u>3.500</u>	<u>3.500</u>
Incidence Angle, degrees	<u>0.500</u>	<u>0.500</u>
Aerodynamic Twist, degrees	<u>3.000</u>	<u>3.000</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
0.25 Element Line	<u>35.209</u>	<u>35.209</u>
Chords:		
Root (Theo) B.P.O.O.	<u>689.24</u>	<u>20.577</u>
Tip, (Theo) B.P.	<u>137.85</u>	<u>4.136</u>
MAC	<u>474.81</u>	<u>14.244</u>
Fus. Sta. of .25 MAC	<u>1136.83</u>	<u>34.105</u>
W.P. of .25 MAC	<u>290.58</u>	<u>8.717</u>
B.L. of .25 MAC	<u>182.13</u>	<u>5.464</u>

EXPOSED DATA

Area (Theo) Ft ²	<u>1751.50</u>	<u>1.576</u>
Span, (Theo) In. BP108	<u>720.68</u>	<u>21.620</u>
Aspect Ratio	<u>2.059</u>	<u>2.059</u>
Taper Ratio	<u>0.245</u>	<u>0.245</u>
Chords		
Root BP108	<u>562.09</u>	<u>16.863</u>
Tip 1.00 $\frac{b}{2}$	<u>137.85</u>	<u>4.136</u>
MAC	<u>392.83</u>	<u>11.785</u>
Fus. Sta. of .25 MAC	<u>1185.98</u>	<u>35.579</u>
W.P. of .25 MAC	<u>294.30</u>	<u>8.899</u>
B.L. of .25 MAC	<u>251.77</u>	<u>7.553</u>

Airfoil Section (Rockwell Mod NASA)

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Root $\frac{b}{2}$ = 0.113 0.113

Tip $\frac{b}{2}$ = 0.120 0.120

Data for (1) of (2) Sides

Leading Edge Cuff		
Planform Area Ft ²	<u>113.13</u>	<u>0.102</u>
Leading Edge Intersects Fus M. L. @ Sta	<u>500.0</u>	<u>15.00</u>
Leading Edge Intersects Wing @ Sta	<u>1024.00</u>	<u>30.72</u>

TABLE IV.
ORBITER WING PRESSURE TAP NUMBERS

ORBITER LEFT WING PRESSURE TAP NUMBERS		NO. OF TAPS
233	110 TOP 208 209 210 211 212 213 214 215 216	9 9
	BOT - - - - -	0
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
234	140 TOP 217 218 219 220 221 222 223 224 225 226 227 228 229	13 34
	BOT - 230 231 232 233 234 235 236 237 238 239 240 241	12
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
235	170 TOP 242 243 244 245 246 247 248 249 250 251 252 253 254 255	14 61
	BOT - 256 257 258 259 260 261 262 263 264 265 266 267 268	13
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
236	200 TOP 269 270 271 272 273 274 275 276 277 278 279 280 281 282 -	14 87
	BOT - 283 284 285 286 287 288 289 290 291 292 293 294 295 296	14
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
237	250 TOP 297 298 299 300 301 302 303 304 305 306 307 308 309 310	14 116
	BOT - 311 312 313 314 315 316 317 318 319 320 321 322 323	13
	Y/C .715 .850 .950 .990	
238	300 TOP 333 334 335 -	3 123
	BOT 344 345 346 347	4
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
239	315 TOP 324 325 326 327 328 329 330 331 332	9 140
	BOT - 336 337 338 339 340 341 342 343	8
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
240	365 TOP 348 349 350 351 352 353 354 355 356 357	10 157
	BOT - 358 359 360 361 362 363 364 365 366	9
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
241	415 TOP 367 368 369 370 371 372 373 374 375 376 -	10 171
	BOT - 377 378 379 380 381 382 383 384 385 386	10
	Y/C 0 .020 .040 .060 .080 .100 .120 .140 .160 .180 .200 .220 .240 .260 .280 .300 .320 .340 .360 .380 .400 .420 .440 .460 .480 .500 .520 .540 .560 .580 .600 .620 .640 .660 .680 .700 .720 .740 .760 .780 .800 .820 .840 .860 .880 .900 .920 .940 .960 .980 1.000	
242	455 TOP 387 388 389 390 391 392 393 394	8 174
	BOT - 395 396 397 398 399 400 401	7
	Y/C .130 .140	
243	495 TOP 402 403	2 196
	BOT - -	
	Y/C .130 .140	

ORBITER RIGHT WING PRESSURE TAP NUMBERS

ORBITER RIGHT WING PRESSURE TAP NUMBERS		NO. OF TAPS
235	110 TOP 404 405 406 407 408 409 410 411 412	9 205
	BOT - - - - -	0
	Y/C 0 .010 .020 .030 .040 .050 .060 .070 .080 .090 .100 .110 .120 .130 .140 .150 .160 .170 .180 .190 .200 .210 .220 .230 .240 .250 .260 .270 .280 .290 .300 .310 .320 .330 .340 .350 .360 .370 .380 .390 .400 .410 .420 .430 .440 .450 .460 .470 .480 .490 .500 .510 .520 .530 .540 .550 .560 .570 .580 .590 .600 .610 .620 .630 .640 .650 .660 .670 .680 .690 .700 .710 .720 .730 .740 .750 .760 .770 .780 .790 .800 .810 .820 .830 .840 .850 .860 .870 .880 .890 .900 .910 .920 .930 .940 .950 .960 .970 .980 .990 1.000	
234	170 TOP 413 414 415 416 - 417 418 419 420 421	9 222
	BOT - 422 423 424 425 426 427 428 - 429	8
	Y/C .130 .140	

Mr. R. J. ...

TABLE V. ORBITER FUSELAGE PRESSURE TAP NUMBERS

ORBITER X _o - IN.		RADIALLY LOCATED - DEGREES																							
FULL MODE	IN./L.	0	7	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180	305	320	340	NO. OF TAPS
235	7.05	0	7																						1
245	7.35	.008	8					9						18							10				3
265	7.95	.023	11	12	13	14	15	16			17										19	20	21	22	12
295	8.85	.046	23	24	25	26	27	28			29			30							31	32	33	34	12
325	9.75	.070	35	36	37	38	39	40			41			42							43	44	45	46	12
380	11.40	.112	47	48	49	50	51	52			53			54							55	56	57	58	12
440	13.20	.158																							52
450	13.50	.166	60	61	62	63	64	65			66				67				57						1
465	13.95	.177													73		74		68		69	70	71	72	13
500	15.00	.204	75	76	77	78	79	80			81		82	83											2
560	16.80	.257	89		90		91	92			93			94				84			85	86	87	88	14
625	18.75	.301	98		99		100	101			102			103				95			96		97		7
725	21.75	.378	107		108		109	110			111			112				104			105		106		9
880	26.40	.497	116		117		118	119			120			121				113			114		115		9
980	29.40	.574	125		126									122				122			123		124		9
1080	32.40	.652	128		129									133				134					136		3
1180	35.40	.729	137		138						132			141				134			135		144		9
1245	37.35	.779	145		146									142				153			143		144		8
1300	39.00	.821	156		157						150		151	152							154		155		11
1375	41.25	.879	166		167						161		162	163							164		165		10
1430	42.30	.921	176		177						171		172	173							174		175		10
1480	44.40	.960	186		187						181		182	183							184		185		10
1530	45.50	.999									191		192	193							194		195		10
1530	45.50	.999								196	197														2
1530	45.50	.999								198	199														2

a. OMS POD - INSIDE
b. OMS POD - OUTSIDE

L. = 1297.0 IN.

TABLE VI. ORBITER VERTICAL TAIL PRESSURE TAP
NUMBERS (LEFT SIDE ONLY)

Zo FULL SCALE	Zo MODEL SCALE	η_V	X/CV										No. TAPS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			0	.025	.05	.15	.30	.52	.685	.775	.90	90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
550	16.5	.153	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000

TABLE VII. EXTERNAL TANK PRESSURE TAP NUMBERS

VIEW AND LOCATIONS APT.



TAP NO.	X P. IN ALL SENSE WATER SCALE	X P. IN SCALE	$\phi \sim$ DEGREES																NO TAPS					
			0	30	60	90	120	150	180	198	213	225	240	270	300	330								
240/329	0.0000	0	474																				1	
346	10.38	0.0092	475	476	477	478	479																	1
363	10.89	0.0184	487	488	489	490	491	492	493	494	495									482	483	484	485	12
403	12.09	0.0400	503	504	505	506	507	509	509	510	511	512	513	514	515	516	517	519	520	521	522	523	524	16
443	13.44	0.0644	519	520	521	522	523	524	525	526	527	529	530	531	532	533	534	535	536	537	538	539	540	16
568	17.04	0.1892	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	16
688	20.64	0.1944	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	16
718	21.54	0.2106	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	16
788	22.74	0.2322	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	16
803	24.24	0.2594	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	16
850	25.50	0.2801	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	16
980	28.50	0.3982	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	16
1050	31.50	0.3904	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	16
1150	34.50	0.4445	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	16
1250	37.50	0.4957	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	16
1350	40.50	0.5528	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	16
1500	45.00	0.6340	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	16
1700	51.00	0.7423	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	16
1900	57.00	0.8526	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	16
2040	61.20	0.9264	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	16
2146	64.38	0.9838	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	16
STRING CAVITY		707																					1	
																							Σ TAPS 314	

L_T = 1046.91 IN.

TABLE VIII LEFT SRB PRESSURE TAP NUMBERS

X ₂ IN. FULL SCALE	X ₂ IN. MODEL SCALE	X ₂ /L ₂	θ ~ DEGREES												NO. TAPS	Σ NO TAPS
			0	45	90	135	180	225	270	315						
200	6	0	788												1	1
260	7.8	0.2335	789	790	791	792	793	794	795	796					8	9
370	11.1	0.0950	797	798	799	800	801	802	803	804					8	17
400	12.0	0.1118	805	806	807	808	809	810	811	812					8	25
450	13.5	0.1397	813	814	815	816	817	818	819	820					8	33
550	16.5	0.1956	821	822	823	824	825	826	827	828					8	41
700	21.0	0.2794	829	830	831	832	833	834	835	836					8	49
850	25.5	0.3632	837	838	839	840	841	842	843	844					8	57
1050	31.5	0.4750	845	846	847	848	849	850	851	852					8	65
1250	37.5	0.5867	853	854	855	856	857	858	859	860					8	73
1450	43.5	0.6985	861	862	863	864	865	866	867	868					8	81
1503	45.09	0.7280	869				871			872					3	84
1505	45.15	0.7290	873		874		875			876					4	88
1517	45.51	0.7360	877		878		879			880					4	92
1519	45.57	0.737	881				883			884					3	95
1650	49.5	0.8102	885	886	887	888	889	890	891	892					8	103
1750	52.5	0.8661	893	894	895	896	897	898	899	900					8	111
1832.9	54.77	0.9120	909		910		911			912					4	115
1833.7	55.02	0.9130	913		914		915			916					4	119
1872.2	56.17	0.9344	917	918	919	920	921	922	923	924					8	127
1911.7	57.35	0.9565	925	926	927	928	929	930	931	932					8	135
SLOT BASE			933			934			935						3	138
NOBLE BASE			936												1	139

* * * *

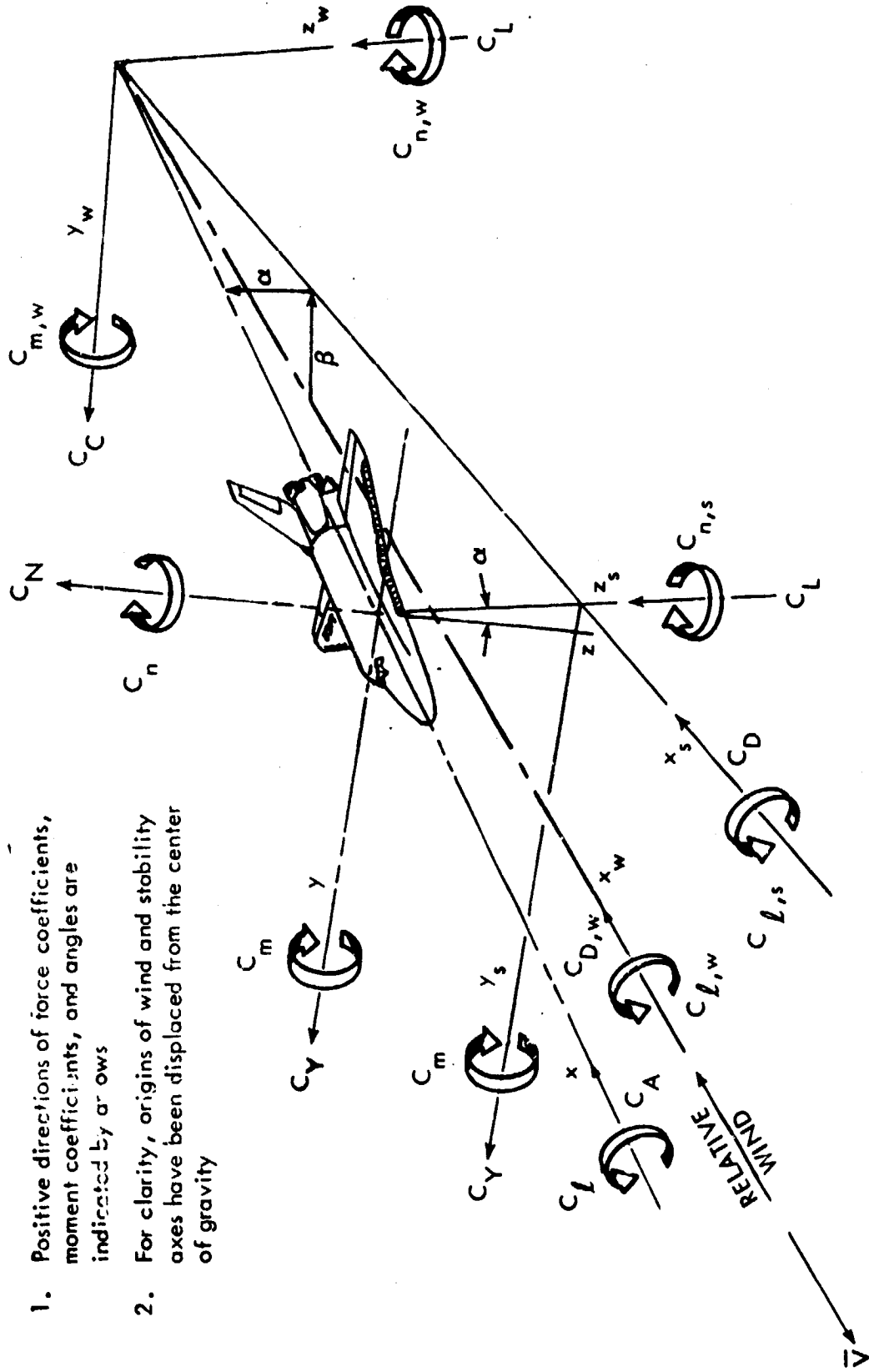
* *

* PRESSURE TAPS AT 77.5 IN. RADIUS ON THE STRUCTURAL RINGS

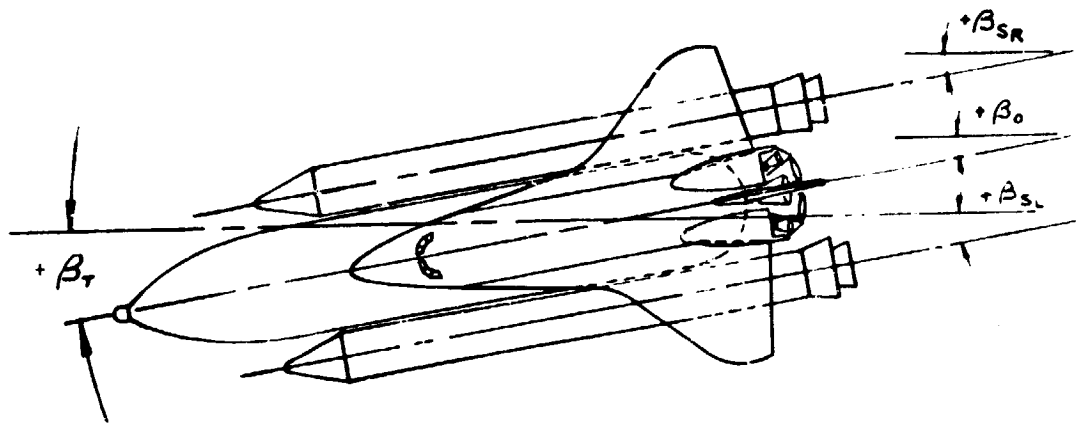
L₂ = 1789.60 IN.

Notes

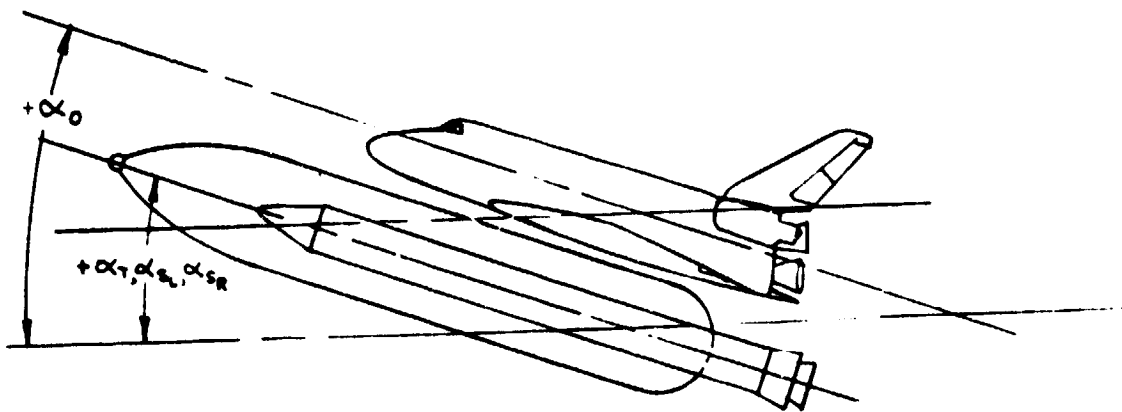
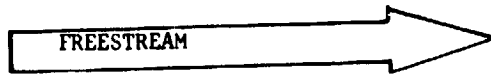
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Forces and Moments
Figure 1. - Axis Systems.



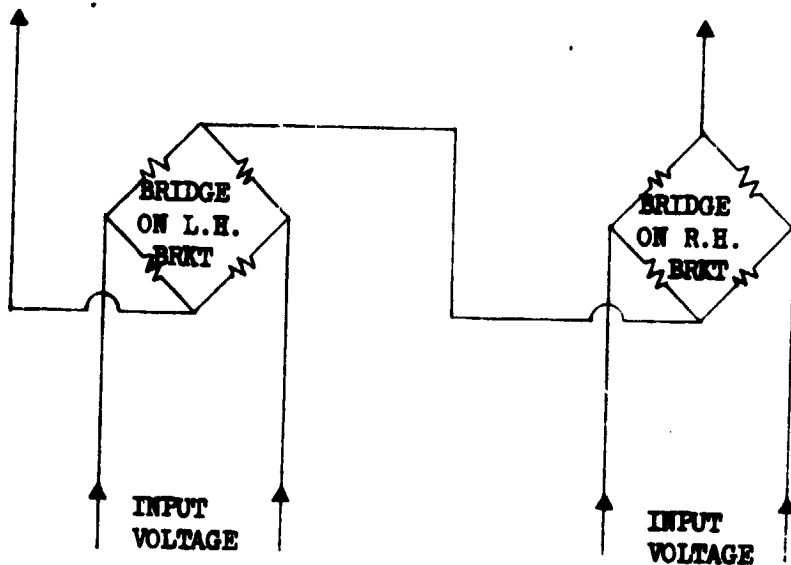
SIDESLIP ANGLES



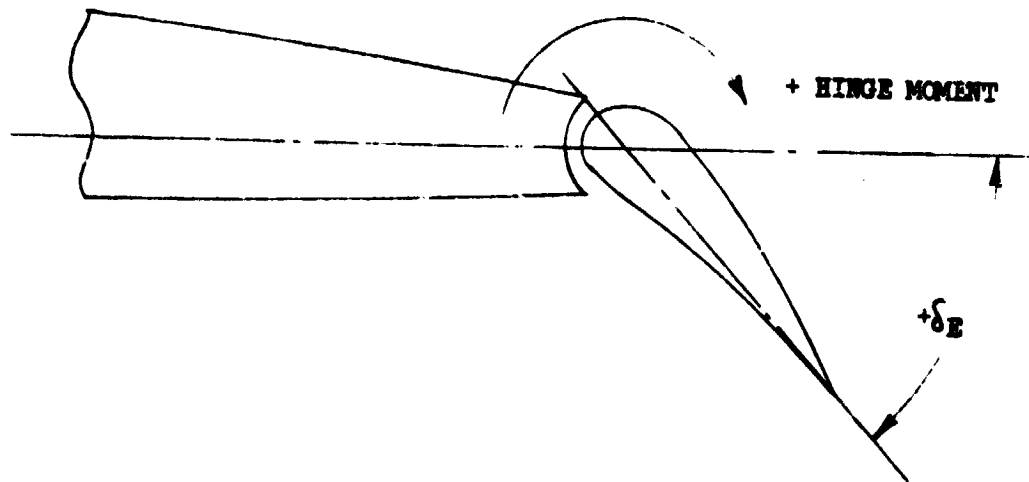
PITCH ANGLES

b. Model Attitude Definition
Figure 1. - Continued.

OUTPUT VOLTAGE

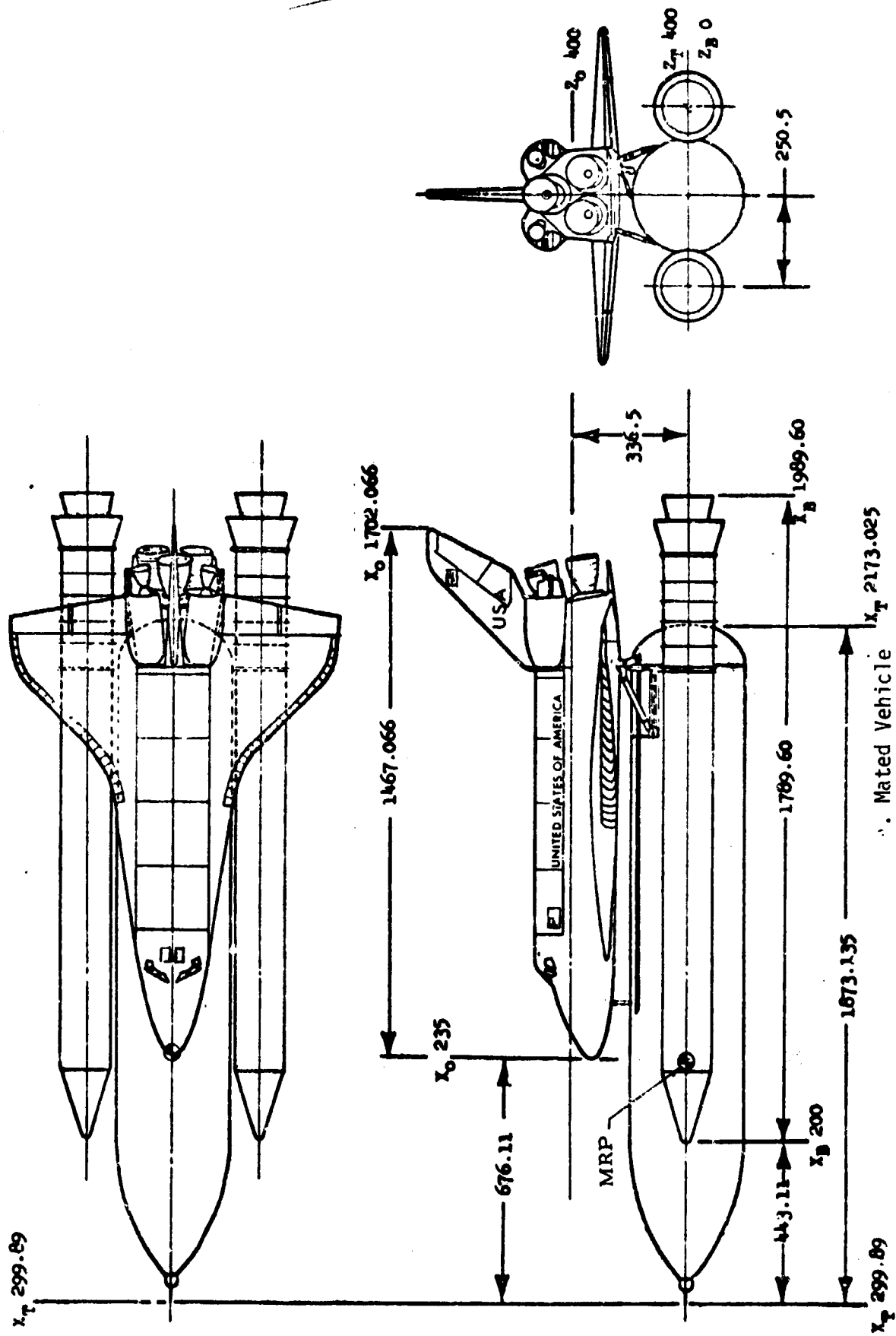


ELEVON HINGE MOMENT WIRING DIAGRAM
TYPICAL FOR INBOARD AND OUTBOARD ELEVONS



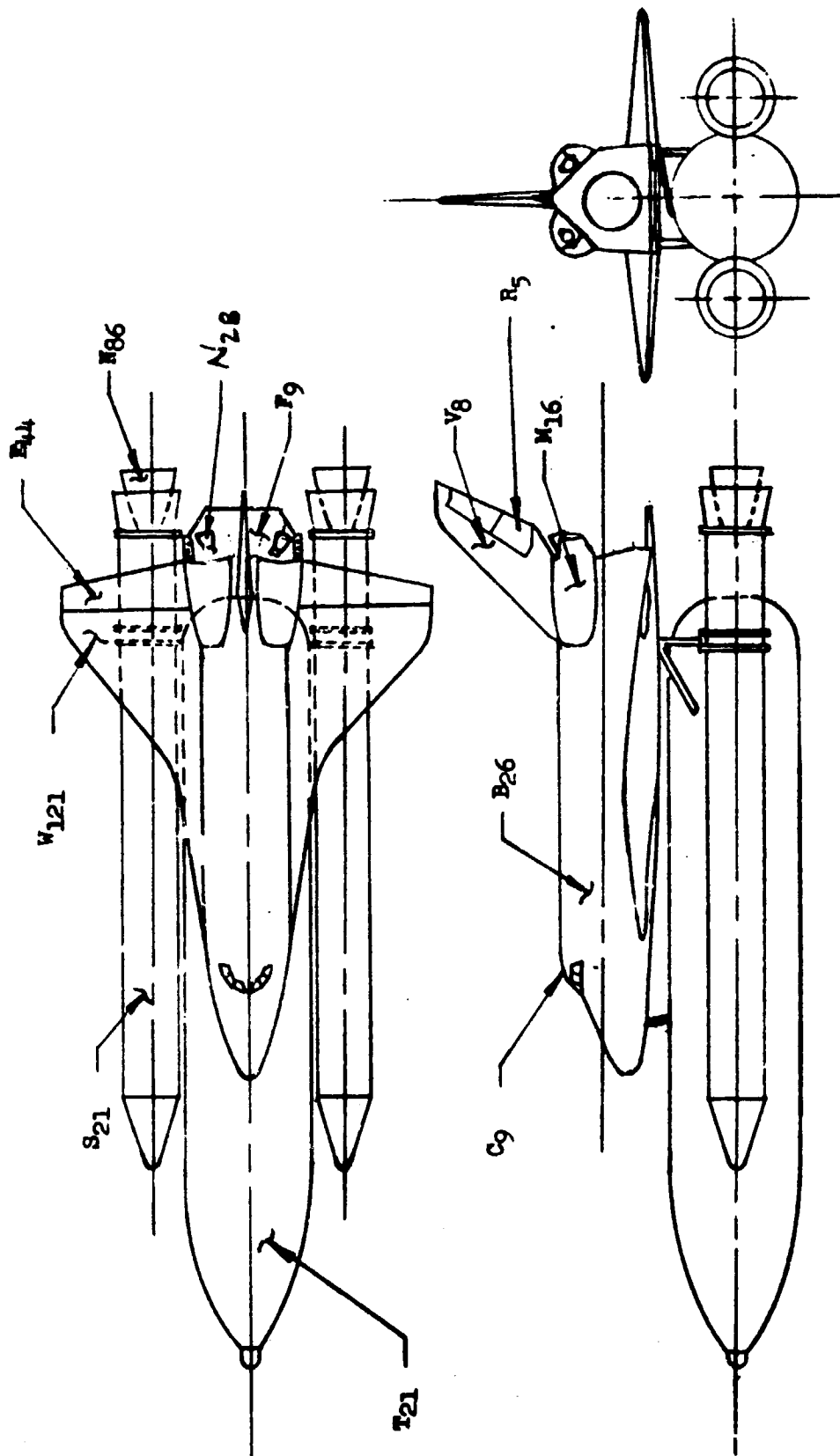
c. Elevon Electrical Hookup and Sign Conventions

Figure 1. - Concluded.



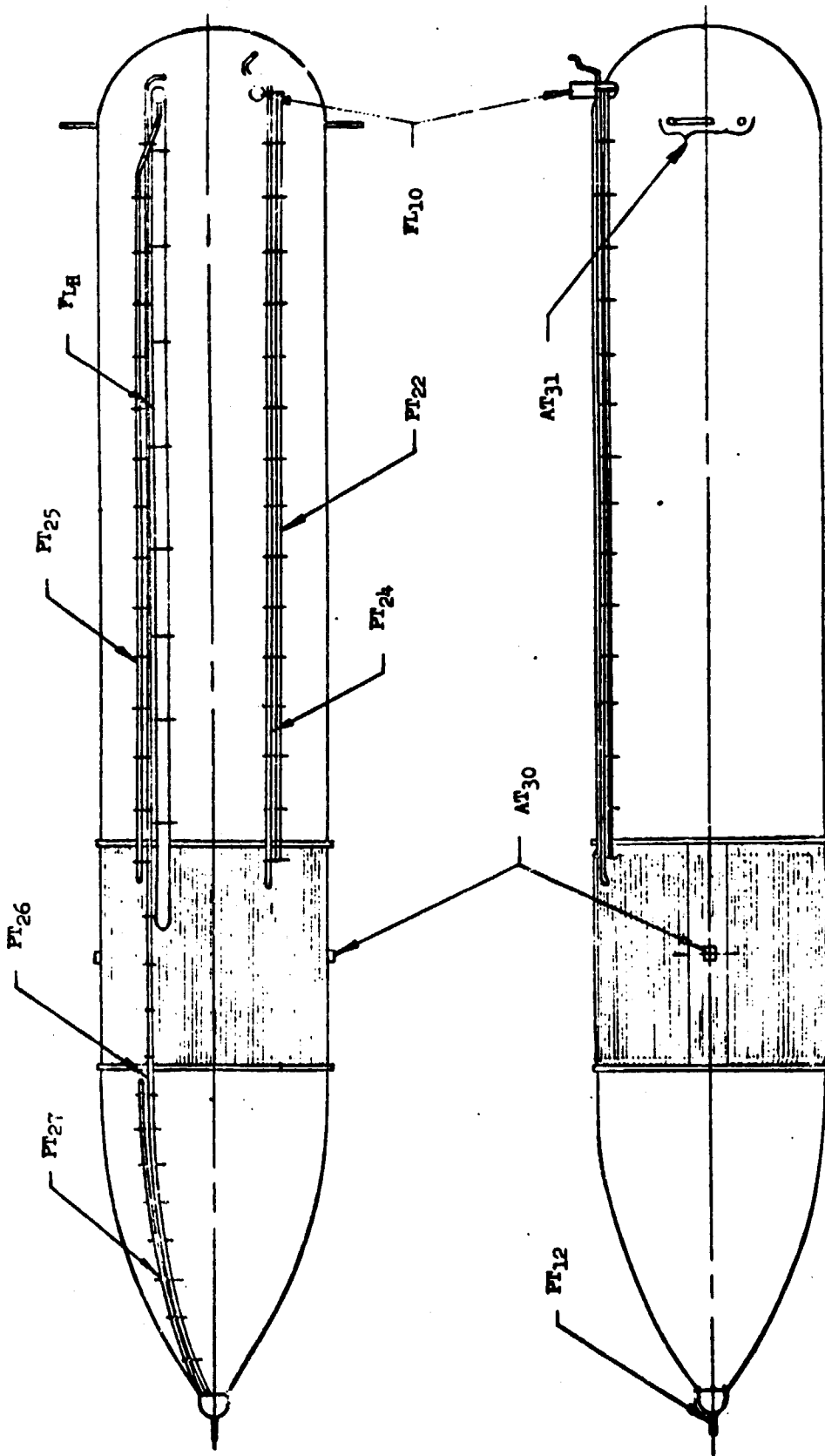
Mated Vehicle $x_T 2173.025$

Figure 2. - Model sketches.



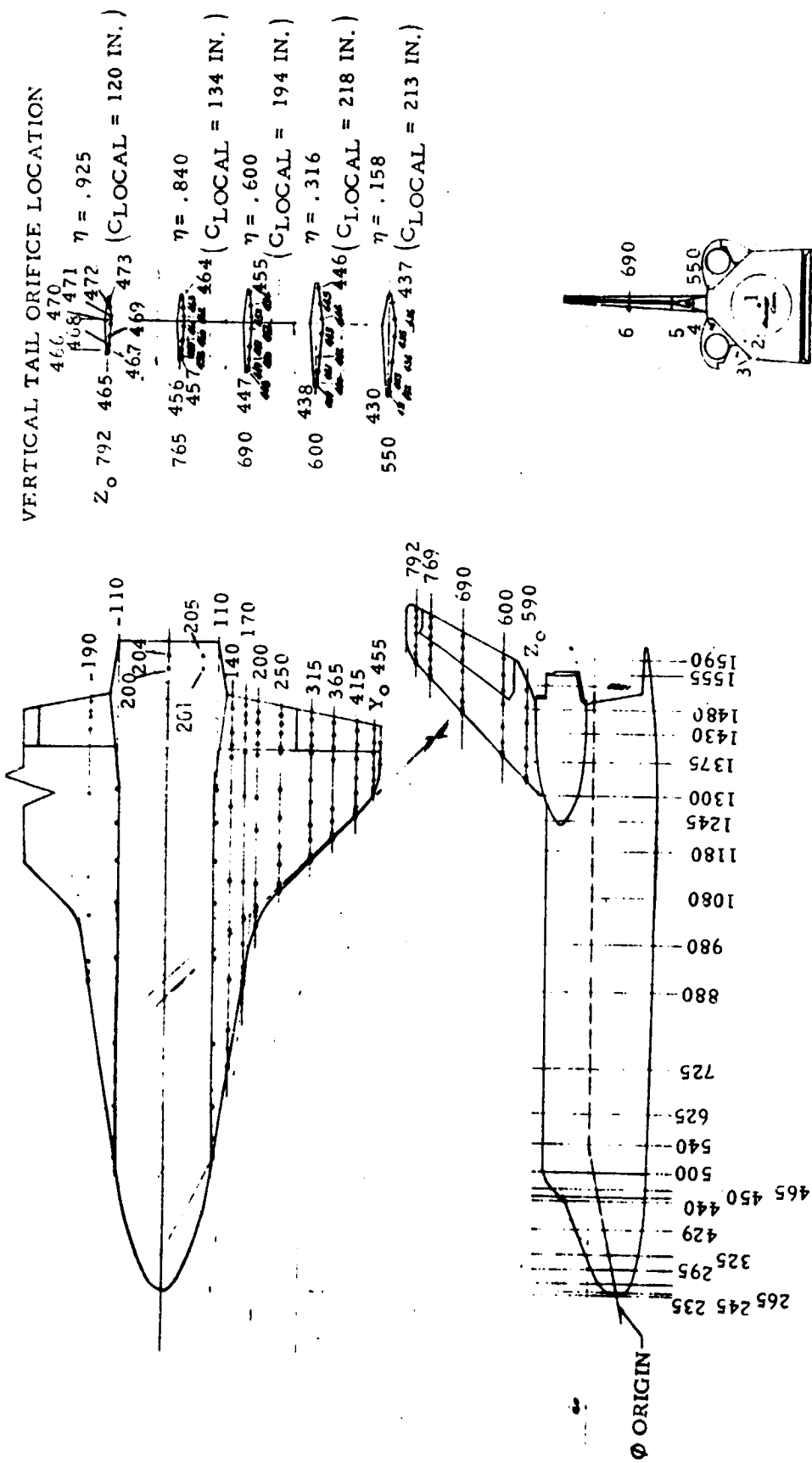
b. LVA Integrated Vehicle Three View

Figure 2. - Continued.



c. (T₂₈) External Tank Protuberances.

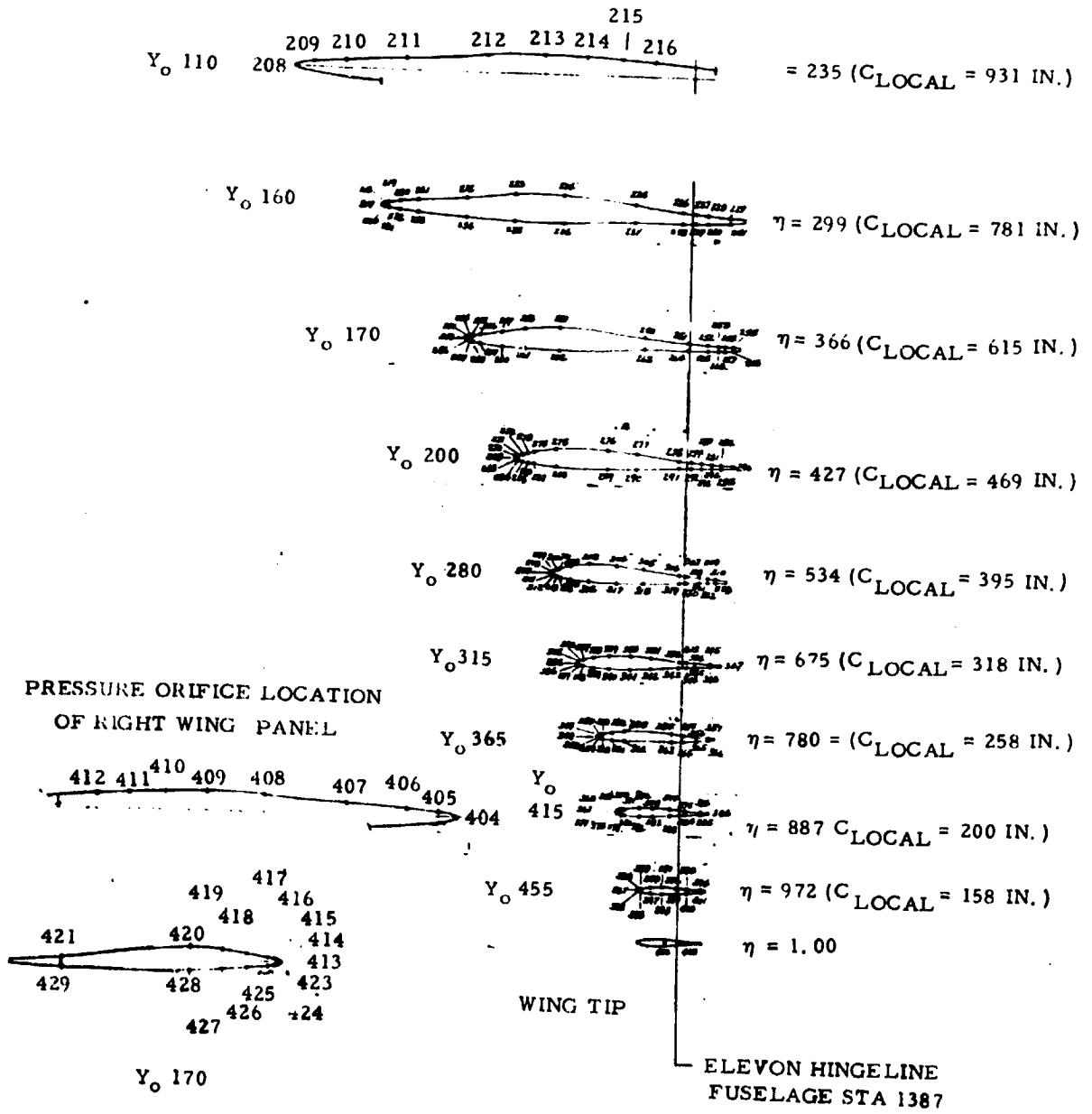
Figure 2. - Continued.



d. Orbiter Upper Wing and Vertical Tail Pressure Tap Locations

Figure 2. - Continued.

PRESSURE ORIFICE LOCATION OF LEFT WING PANEL

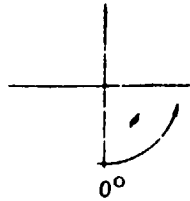


e. Orbiter Wing Pressure Tap Locations

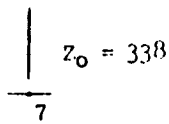
Figure 2. - Continued.

FUSELAGE ORIFICE LOCATION

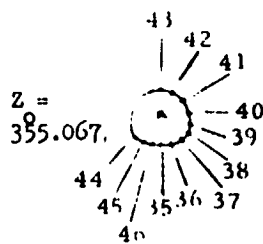
NOTE:
VIEW LOOKING AFT



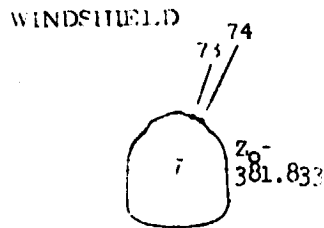
FUS STA 235



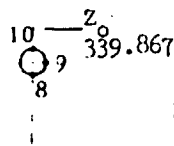
FUS STA 325



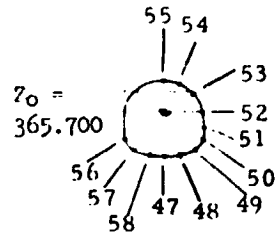
FUS STA 465



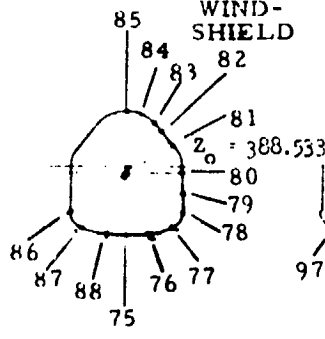
FUS STA 345



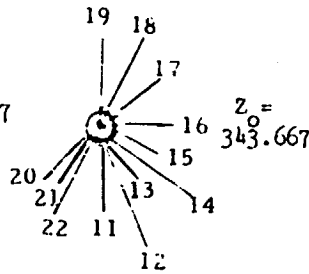
FUS STA 380



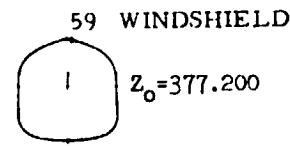
FUS STA 500



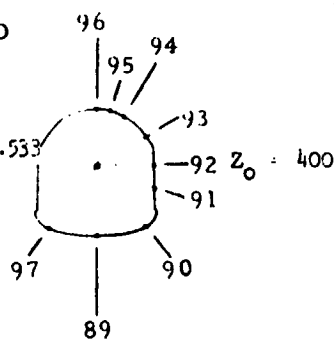
FUS STA 265



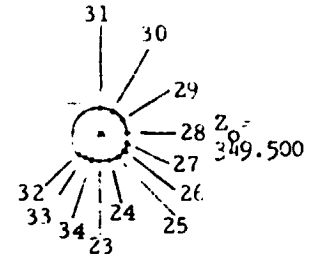
FUS STA 440



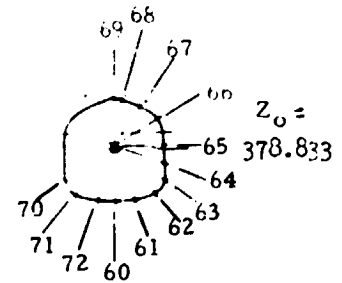
FUS STA 560



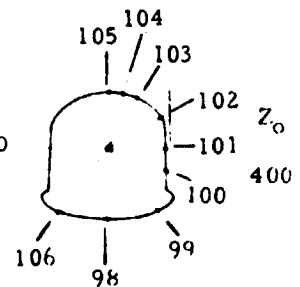
FUS STA 295



FUS STA 450



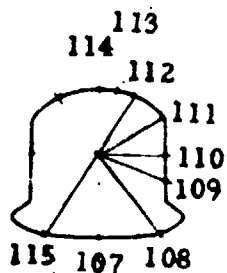
FUS STA 625



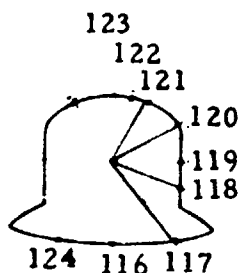
f. Orbiter Forward Fuselage Pressure Tap Locations

Figure 2. - Continued.

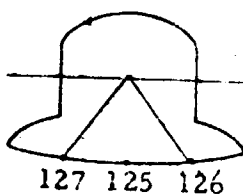
FUS STA



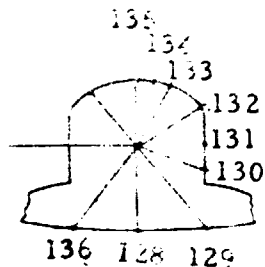
FUS STA



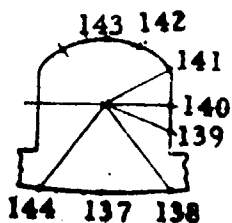
FUS STA 980



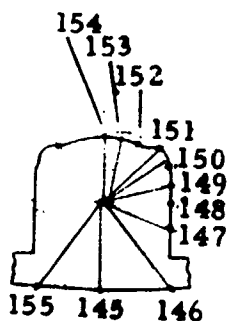
FUS STA 1080



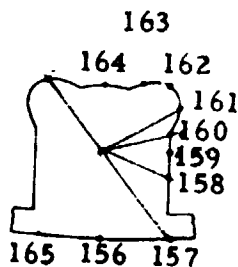
FUS STA 1180



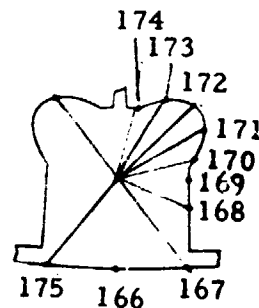
FUS STA 1245



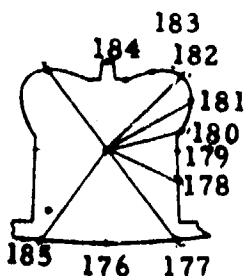
FUS STA 1300



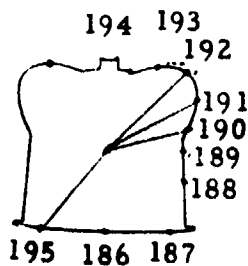
FUS STA 1375



FUS STA 1430



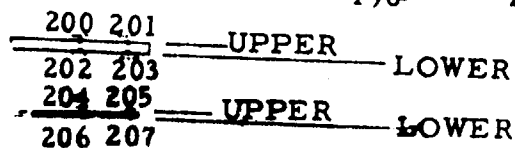
FUS STA 1480



BODY FLAP

FUS STA 1830

FUS STA 555

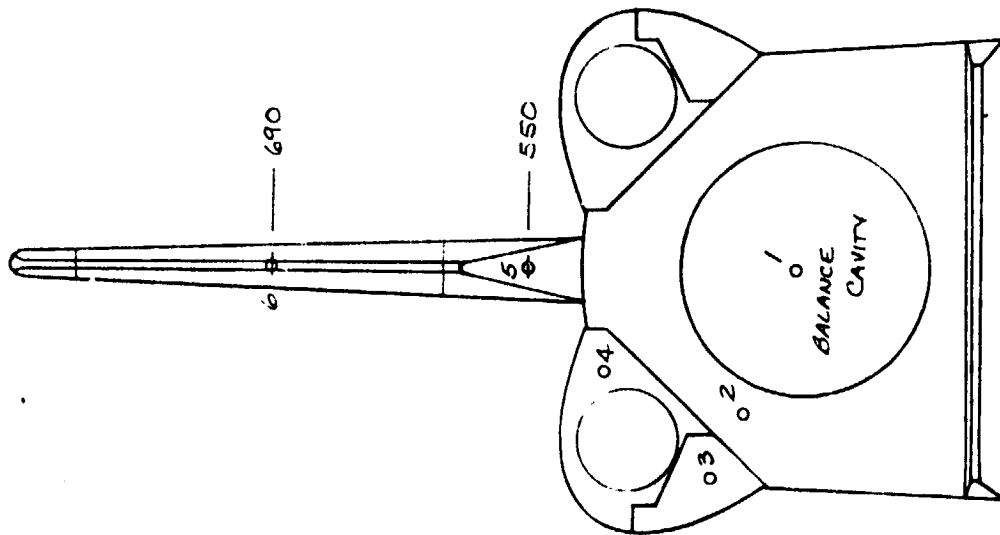


197, 199, 196, 198 Z₀ 400

FUS STA 590

g. Orbiter Aft Fuselage Pressure Tap Locations

Figure 2. - Continued.



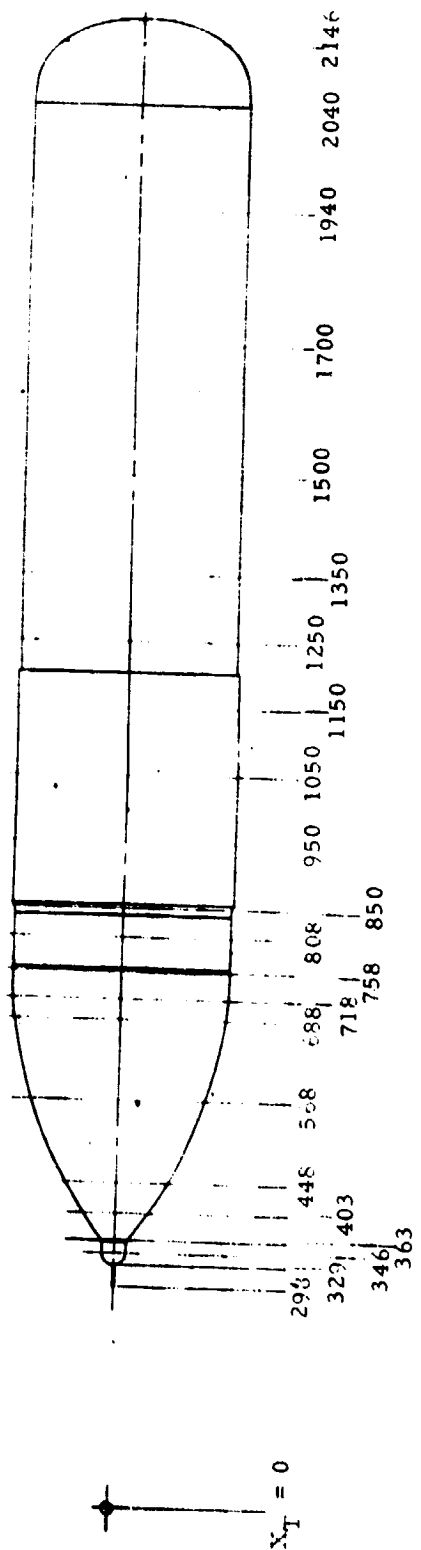
ORBITER BASE PRESSURE TAPS

BODY FLAP PRESSURE TAP NUMBERS

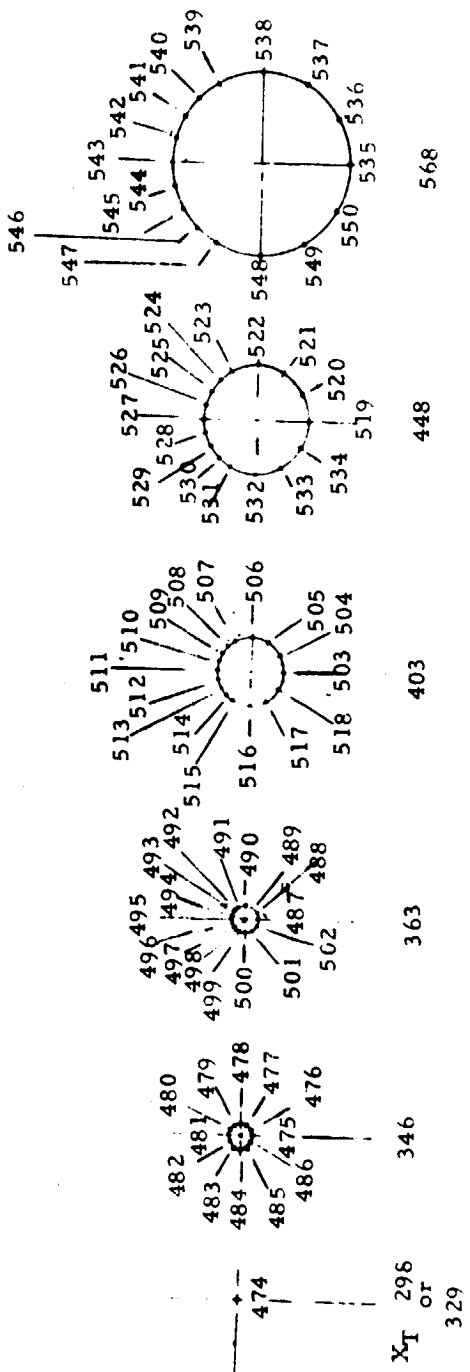
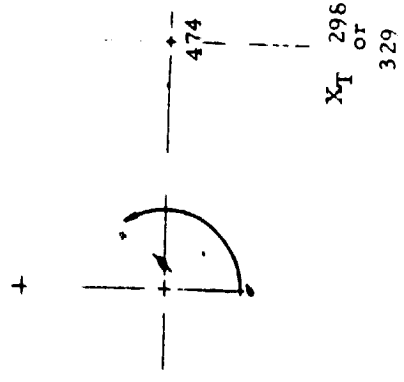
ORBITER ~ X0		Ø ~ 0.066.			
FULL SCALE	MODEL SCALE	X0/L0	Ø	NO TAPS	Σ NO TAPS
1555U	46.65		200	201	2
1555L	46.65		202	203	2
1590U	47.70		204	205	2
1590L	47.70		206	207	2
					8

h. Orbiter Base Pressure Tap Locations

Figure 2. - Continued.

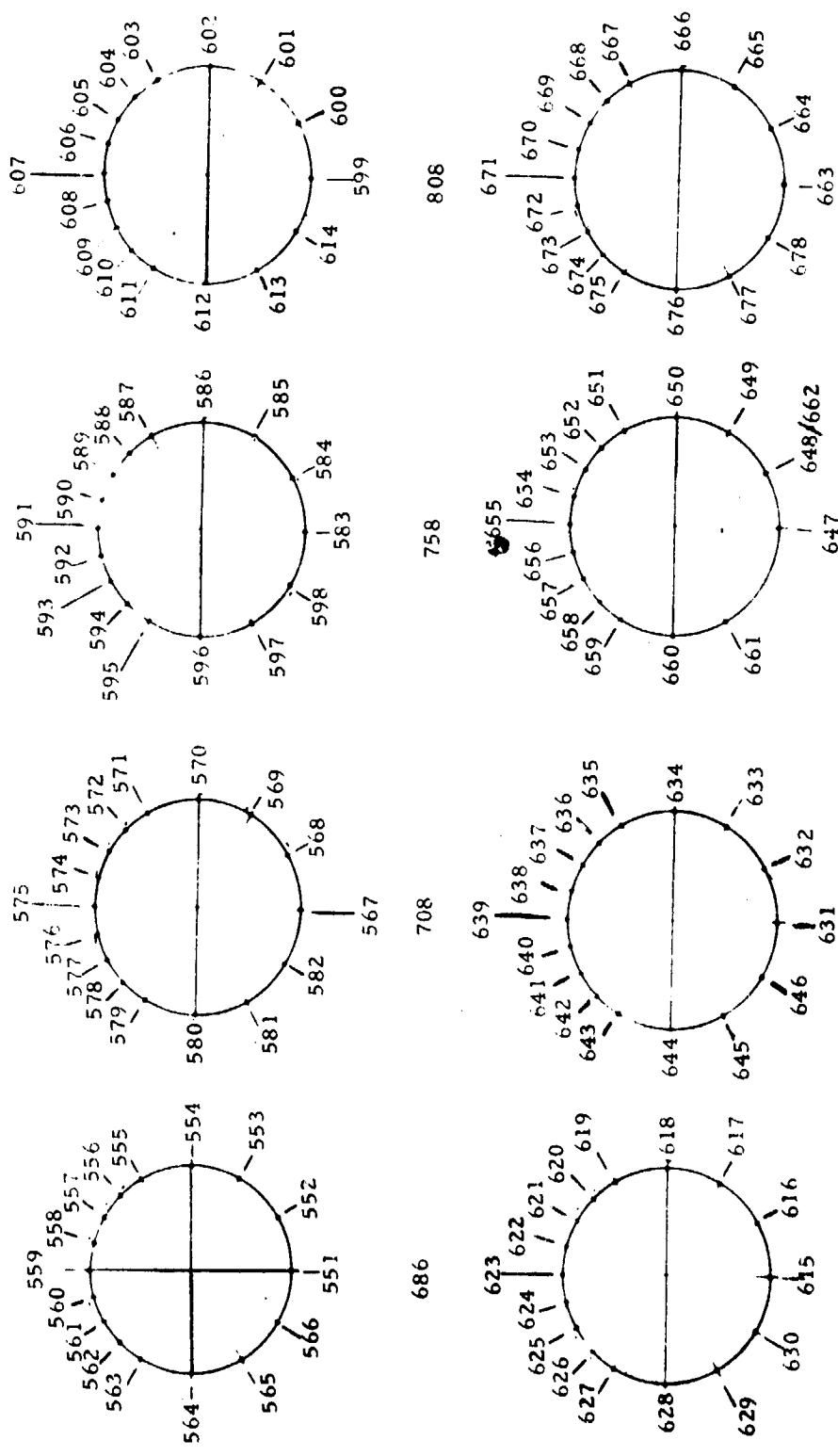


VIEW FORWARD
LOOKING AFT



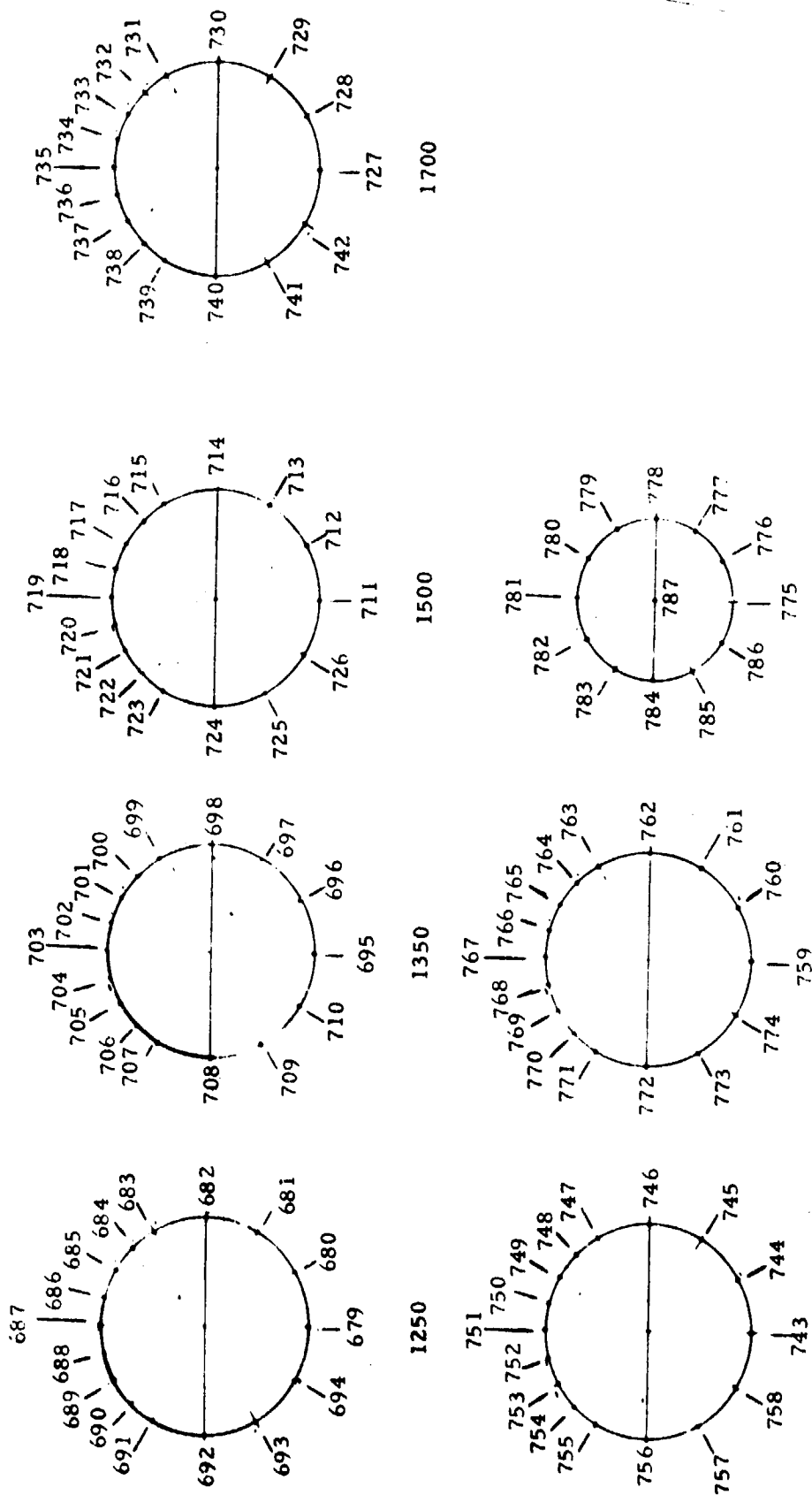
i. External Tank Forward Pressure Tap Locations

Figure 2. - Continued.



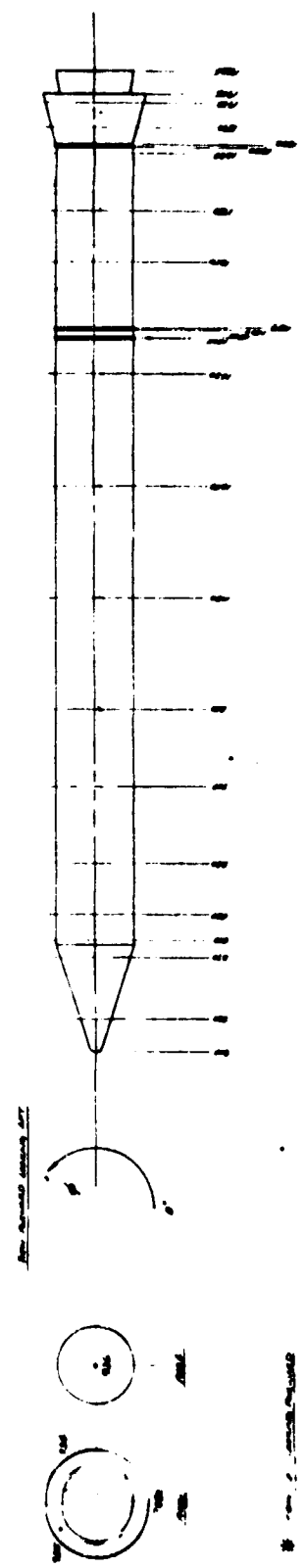
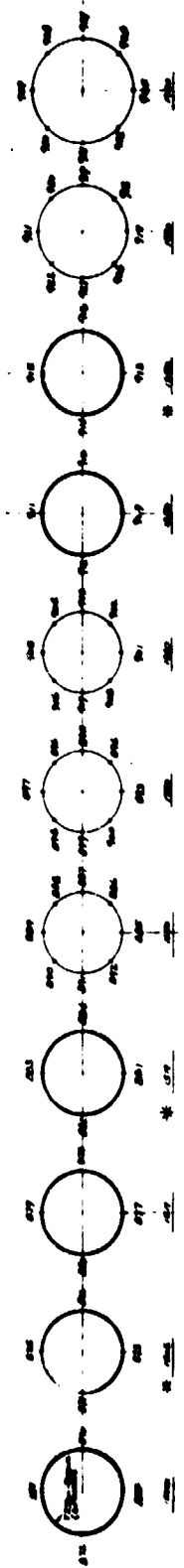
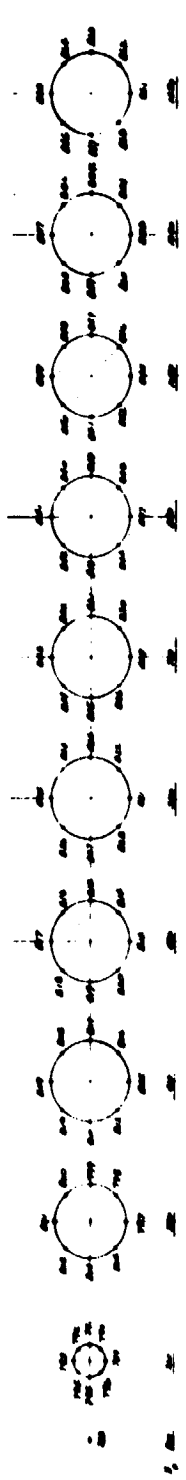
J. External Tank Mid Pressure Tap Locations

Figure 2. - Continued.



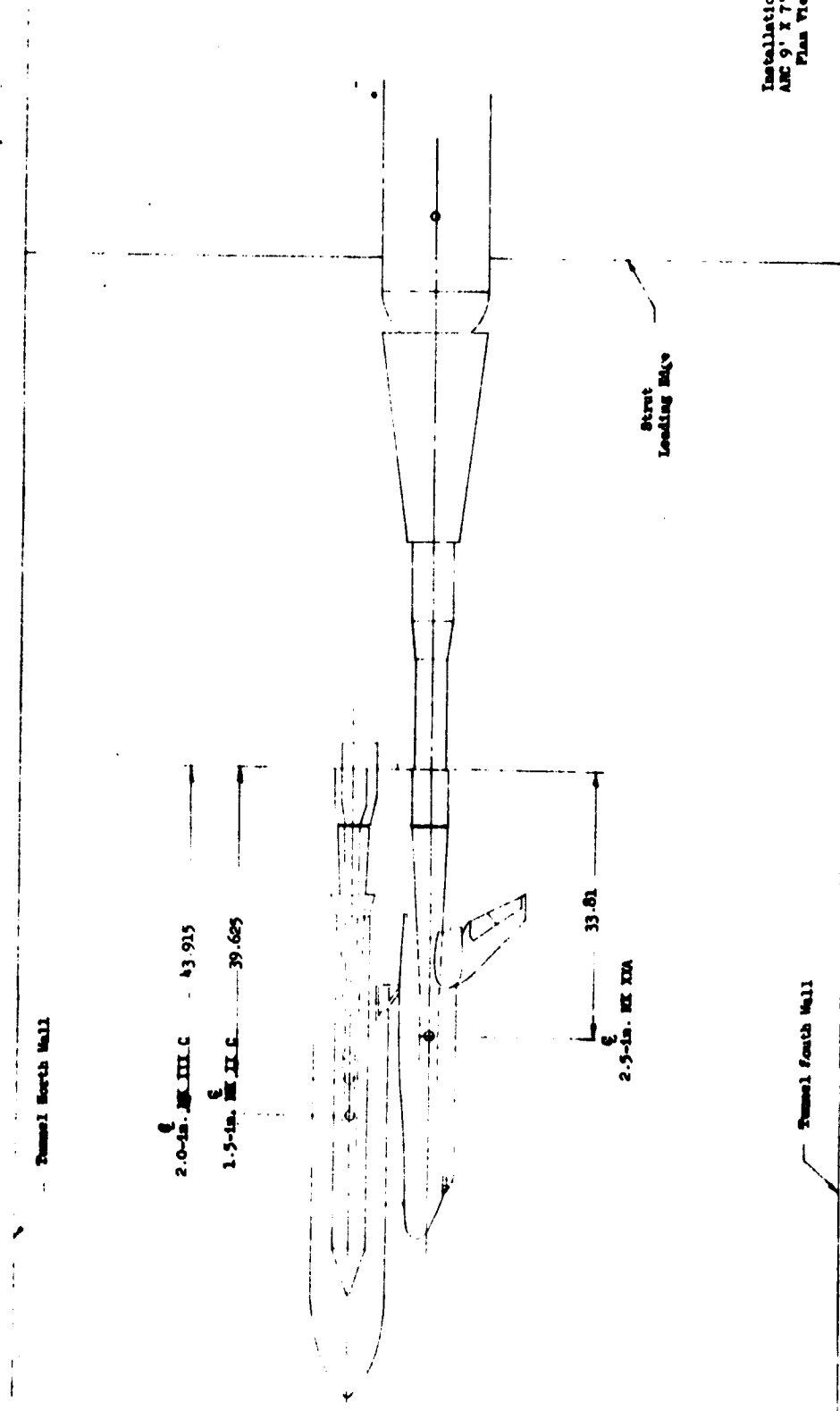
k. External Tank Aft Pressure Tap Locations

Figure 2. - Continued.



1. SRB Pressure Tap Locations

Figure 2. - Continued.

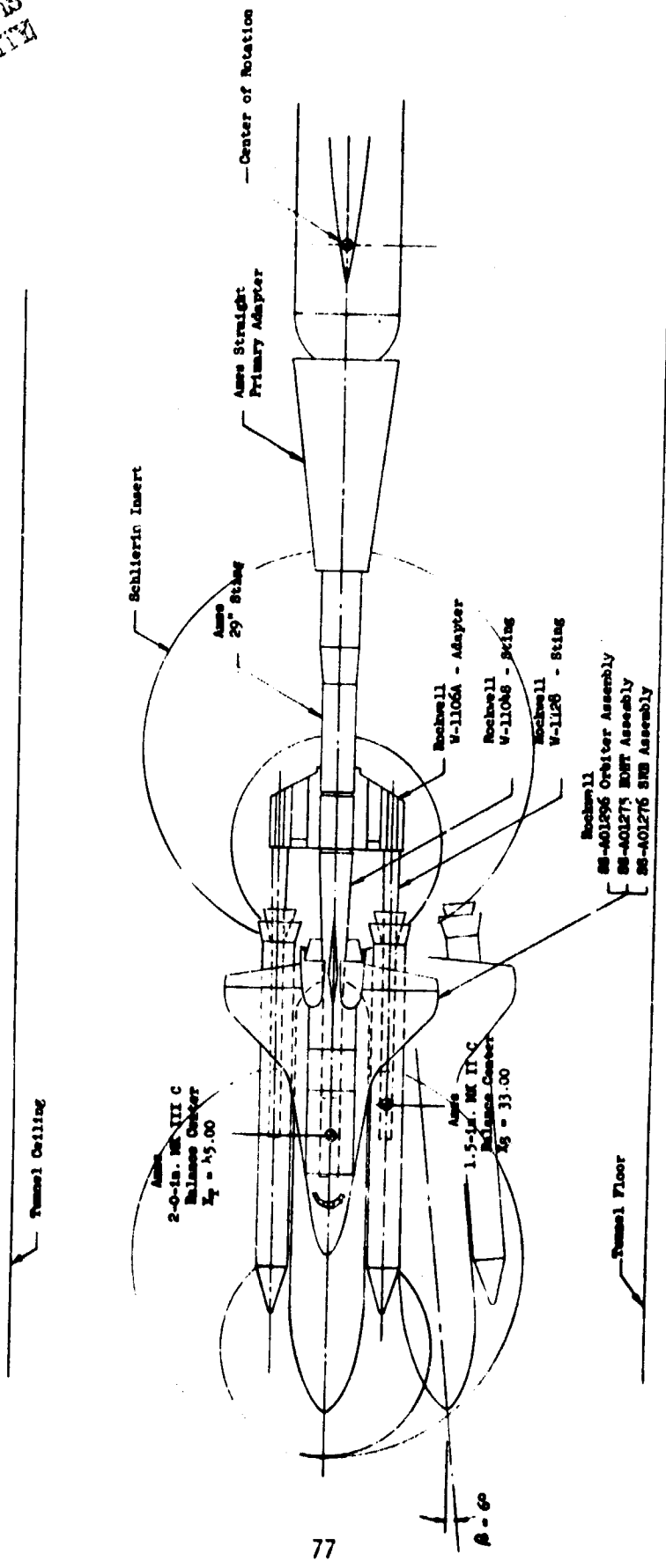


Installation Sketch
 AUC 9' X 7' Tunnel
 Plan View

m. Model Installation Side View

Figure 2. - Continued.

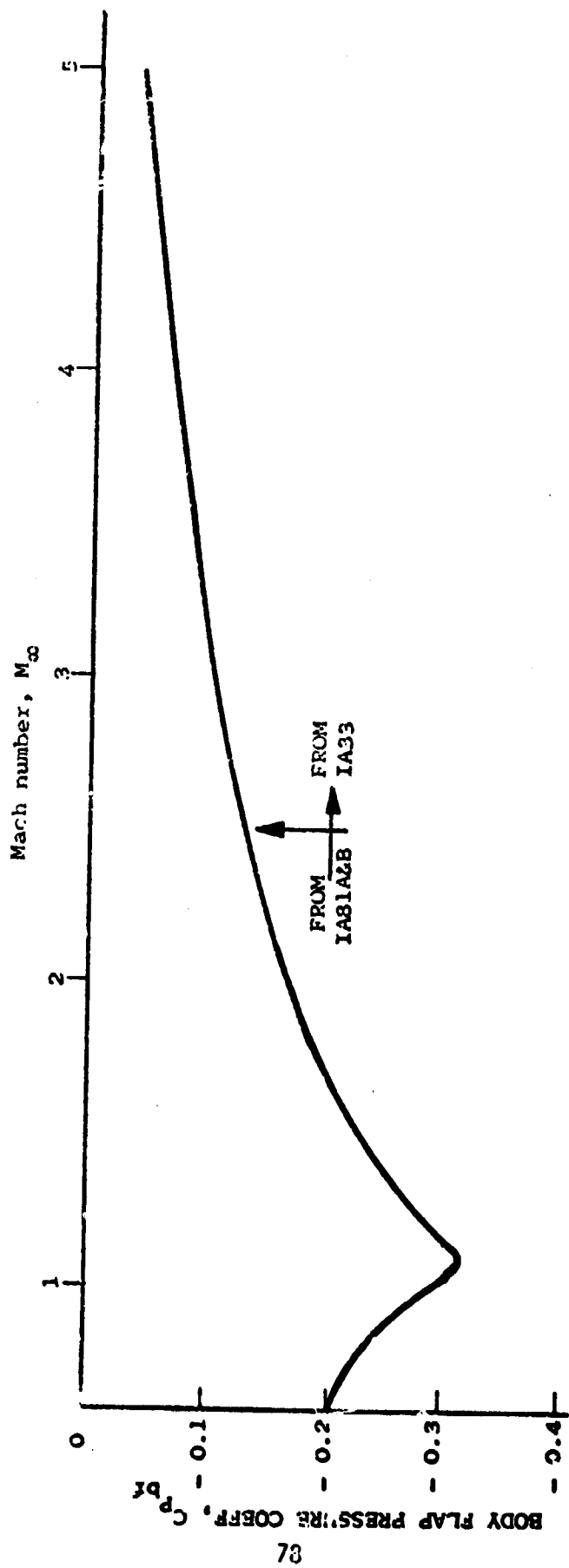
CONTROL PANEL IS
OF HIGH QUALITY



Installation Sketch
AME 9' X 7' Tunnel
Side View Looking North

n. Model Installation Top View

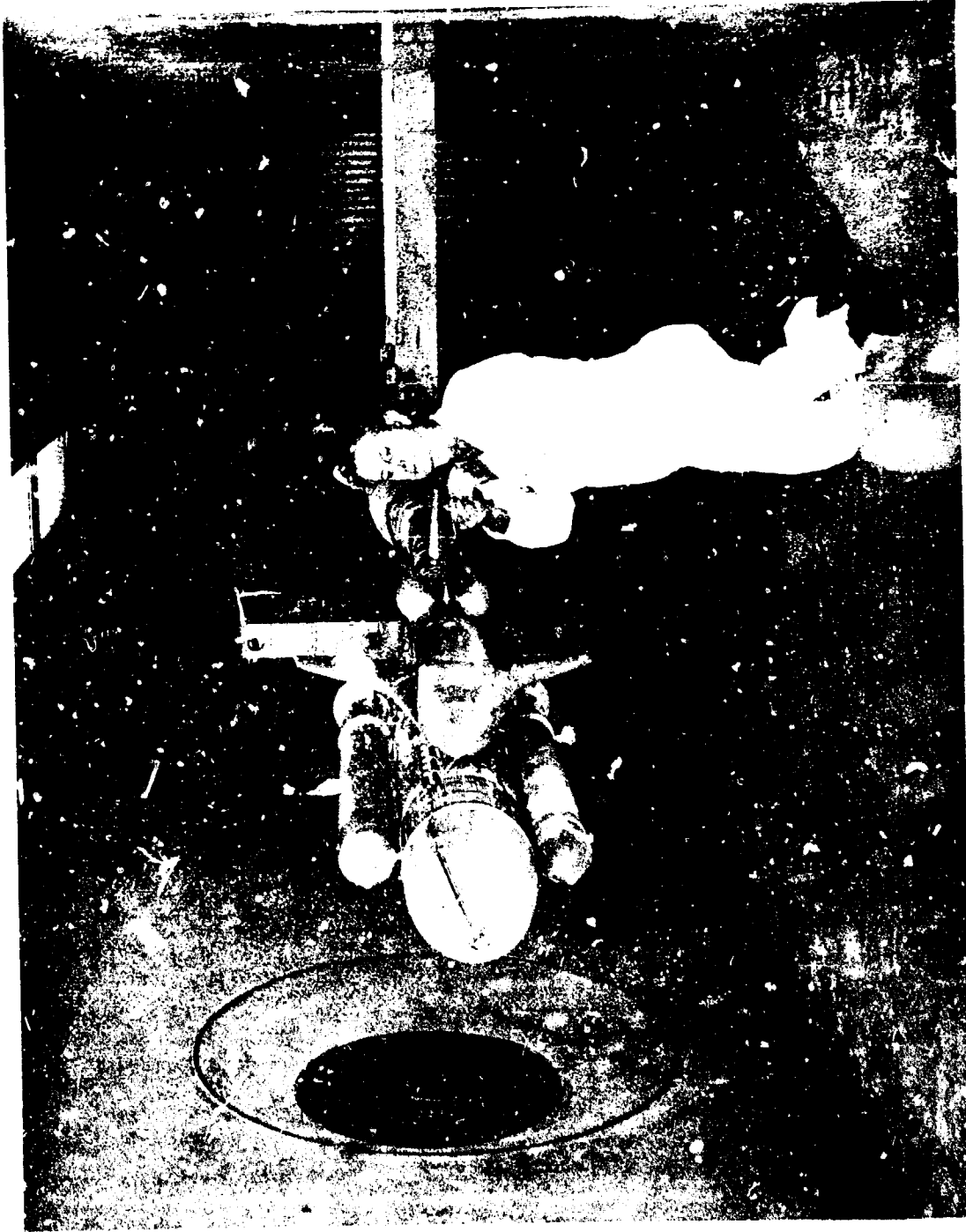
Figure 2. - Continued.



o. Orbiter Body Flap Pressure Coefficients

Figure 2. - Concluded.

ORIGINAL PAGE IS
OF POOR QUALITY



a. Side View

Figure 3. - Model photographs.



b. Rear View

Figure 3. - Concluded.

DATA FIGURES

VOLUME 1 Pages 1-808 (Force)

VOLUME 2 Pages 809-1663 (Pressure)

ARC97-013 I A81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-1B	1.550 RN/FT
□	40.000			RUDDER	.000 ELV-08
◇	70.000				.000 SPOBRK
△	90.000				.000

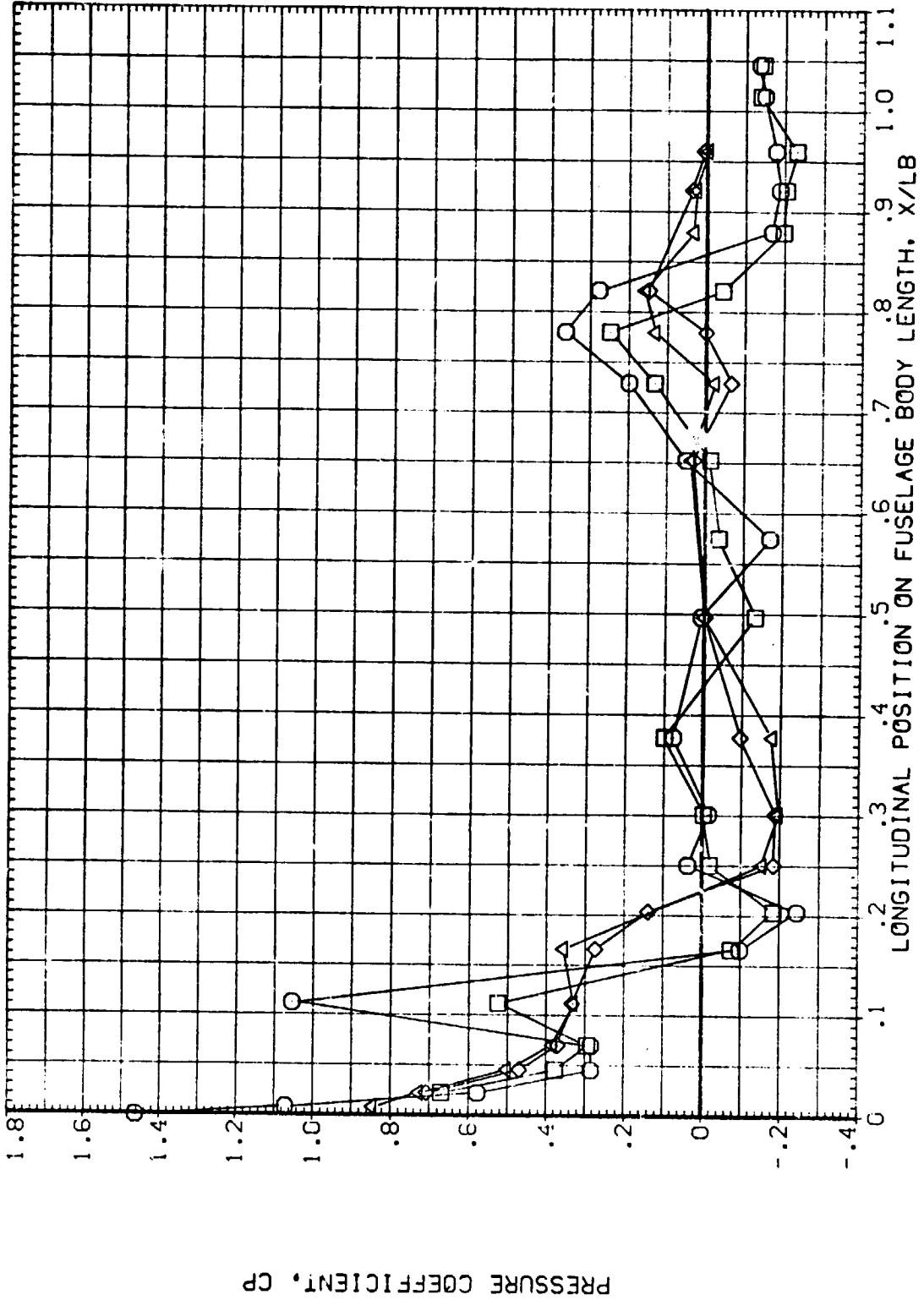


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

SYMBOL
 ○ □ ◇ △

PHI 20.000
 50.000
 165.000
 180.000

MACH 1.550
 ELV-1B .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPOBRK .000

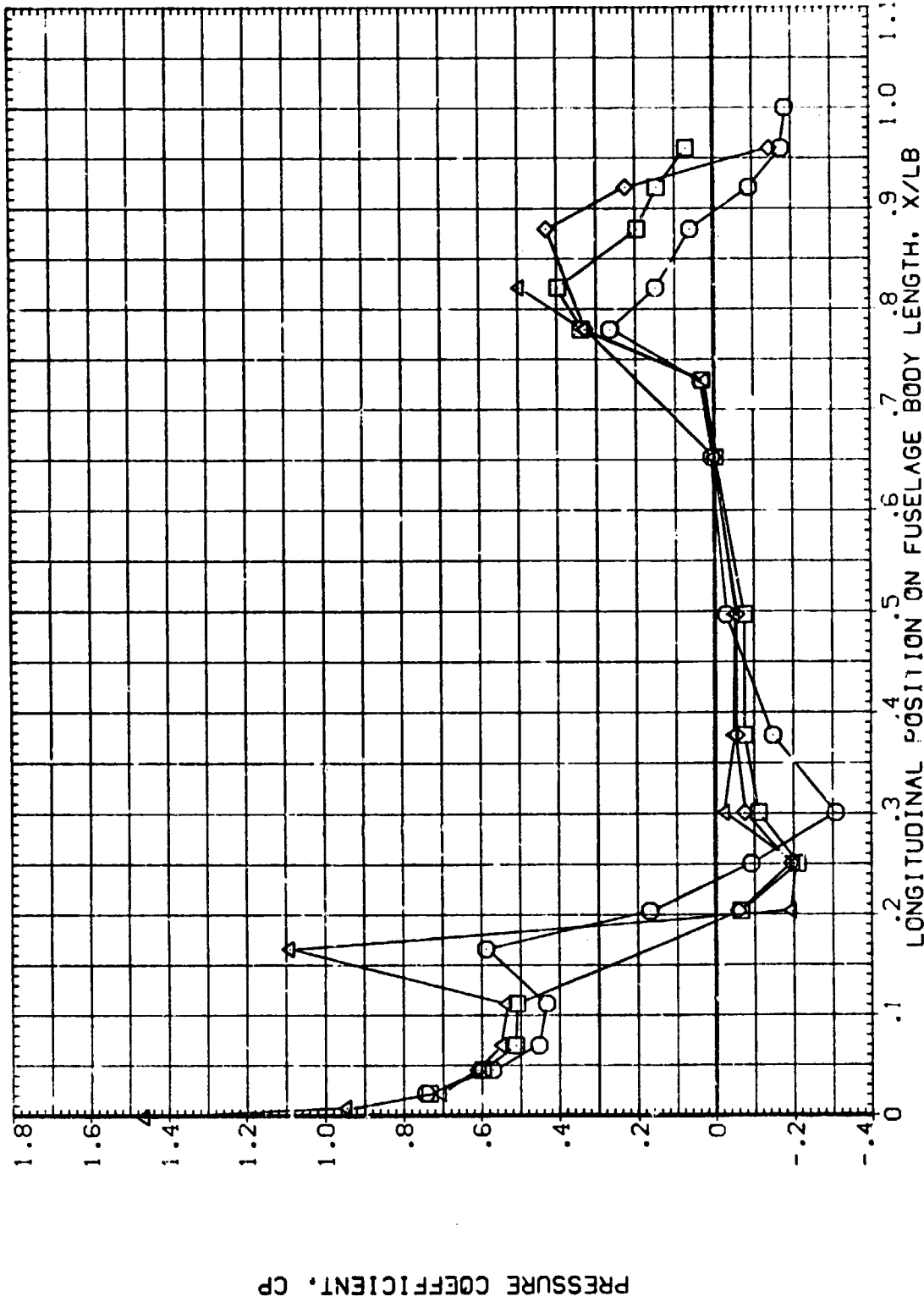


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	-4.000	ELV-IB	1.550
□	40.000			RUDDER	.000
◇	70.000			ELV-OB	.000
△	90.000			SPDBRK	.000
					2.500
					.000
					.000

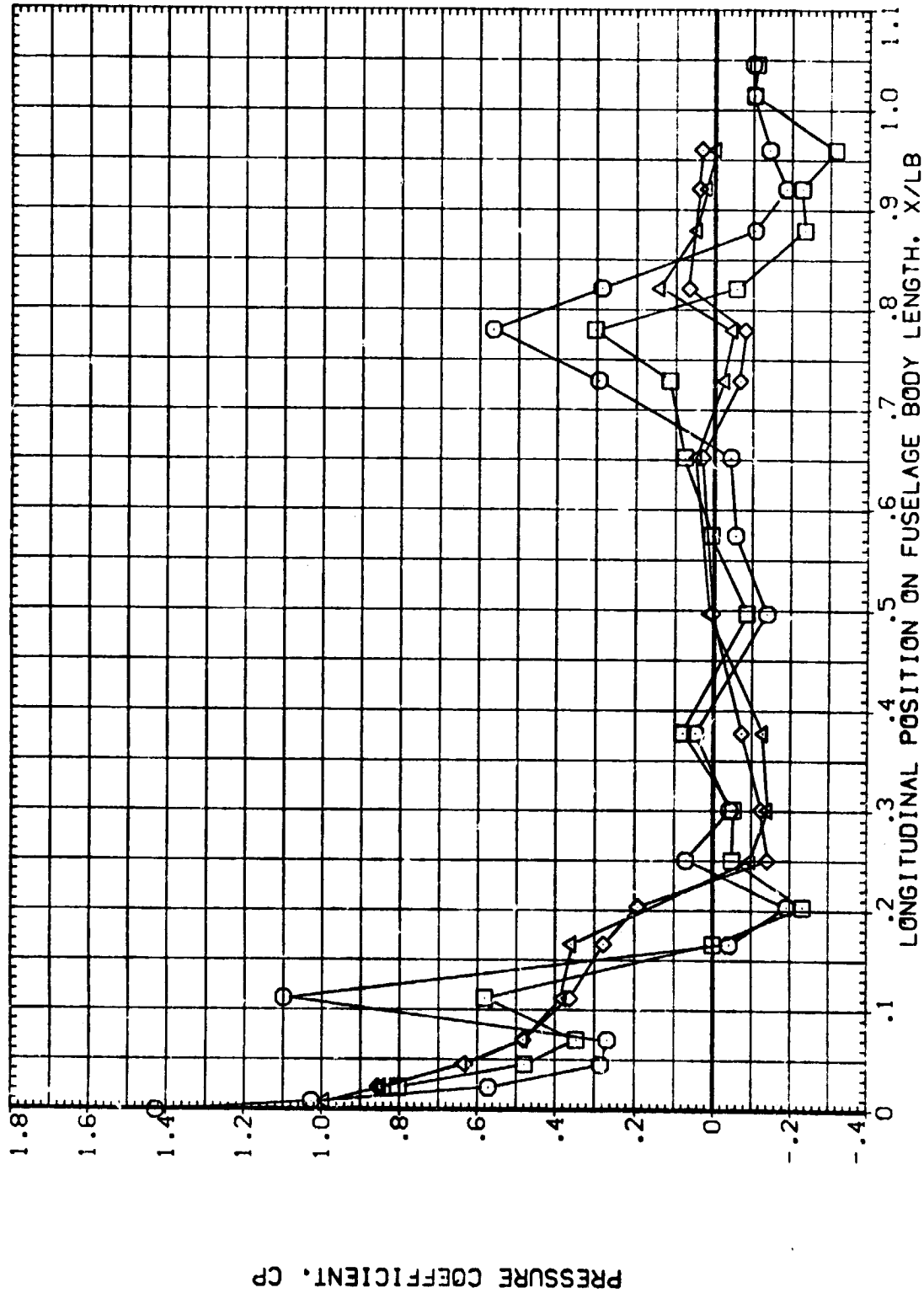


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL
 ○
 □
 ◇
 △

PHI 20.000
 50.000
 165.000
 180.000

BETA0 -4.000

ALPHA0 -4.000

MACH 1.550
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPOBRK .000

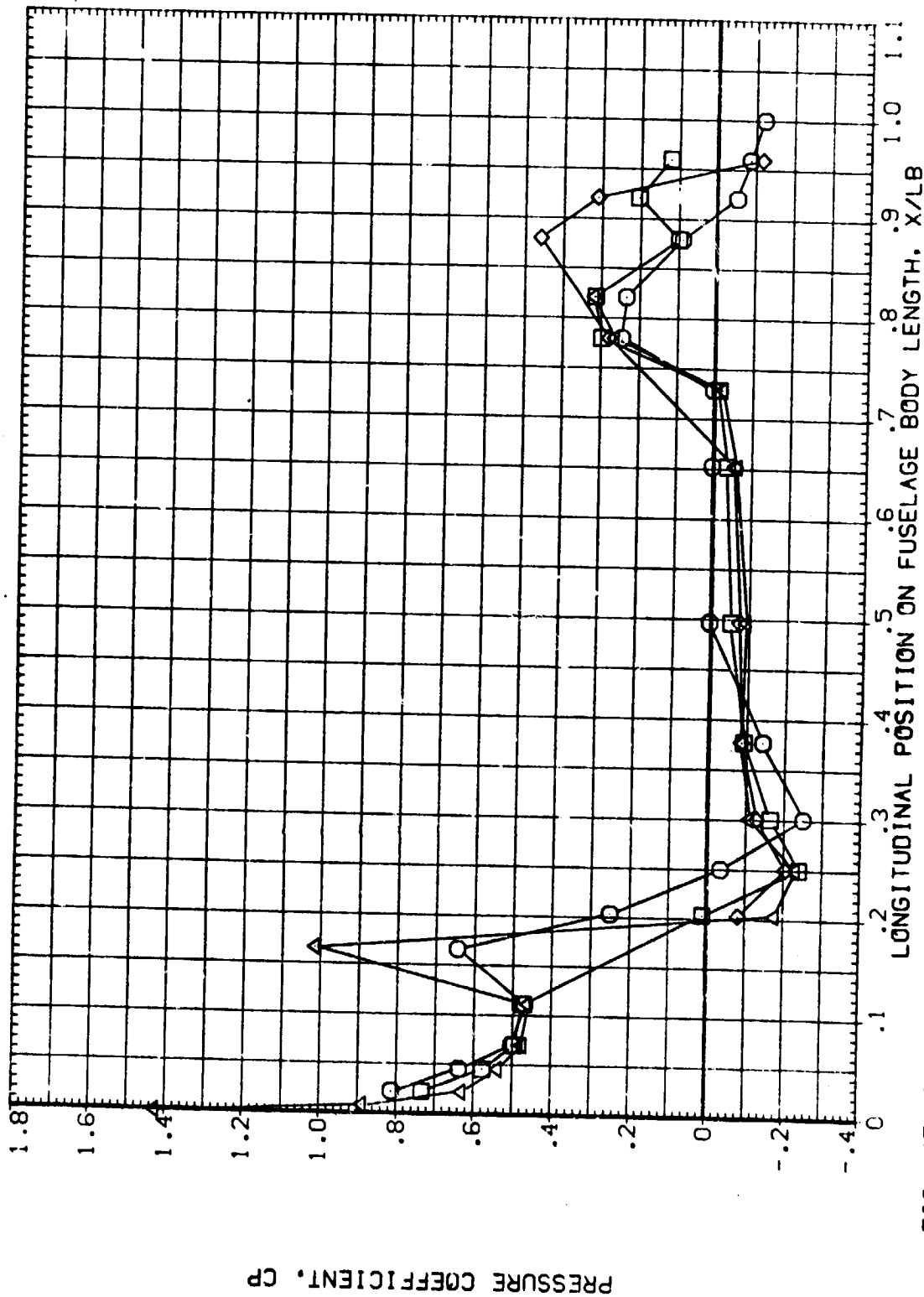


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPCBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALIHL SEALED) ORB. FUSELAGE (IETB39)

PARAMETRIC VALUES
 1.350 RN/FT 2.500
 .000 ELY-08 .000
 .000 SPDBRK .000

MACH
 ELY-18
 RUDDER

ALPHA
 -4.000

BETA
 .000

PHI
 .000
 40.000
 70.000
 90.000

SYMBOL
 ○
 ◇
 △

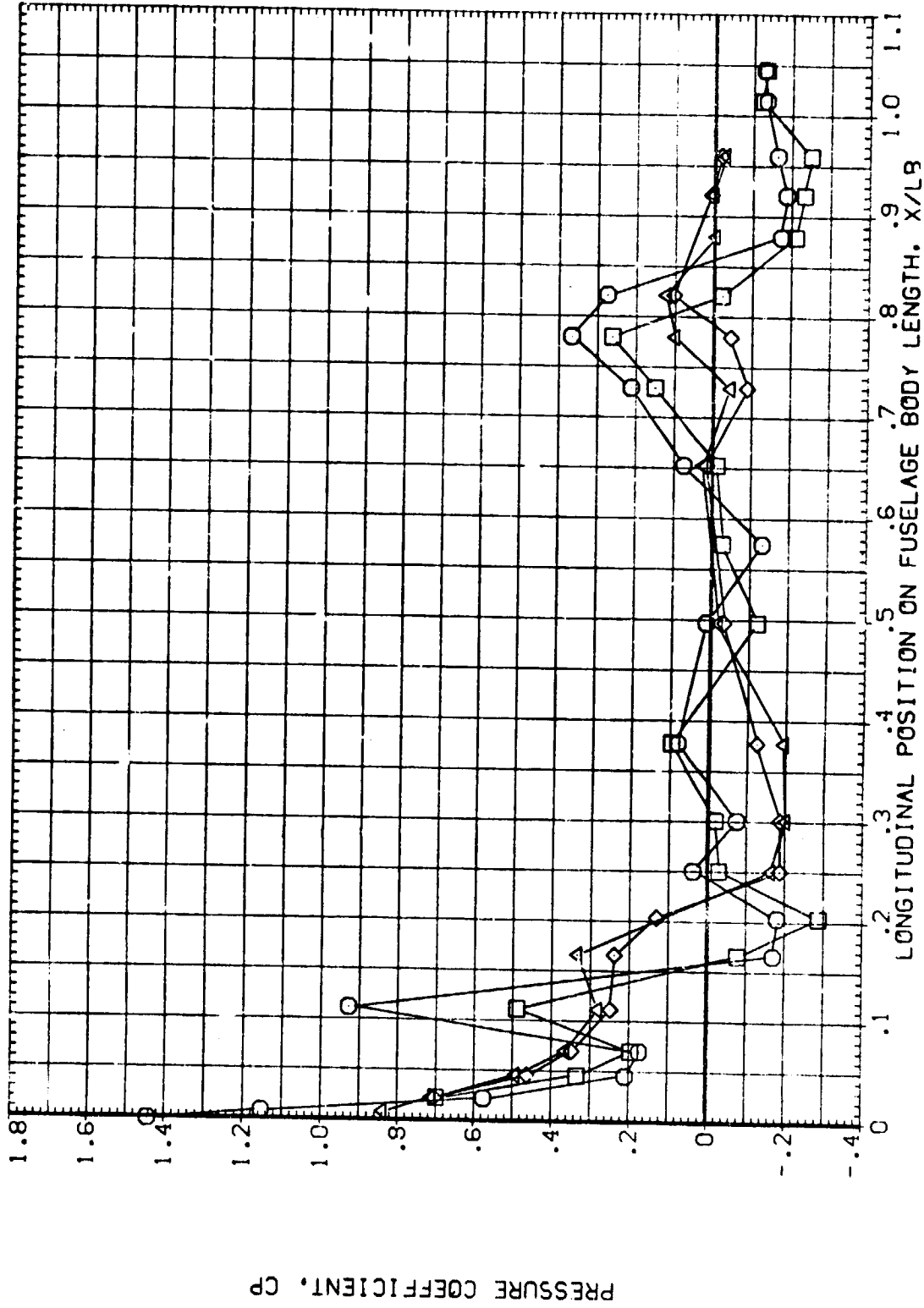


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 I VAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL
 ○
 □
 △

PHI 20.000
 BETA0 .000
 ALPHA -4.000

MACH 1.550
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

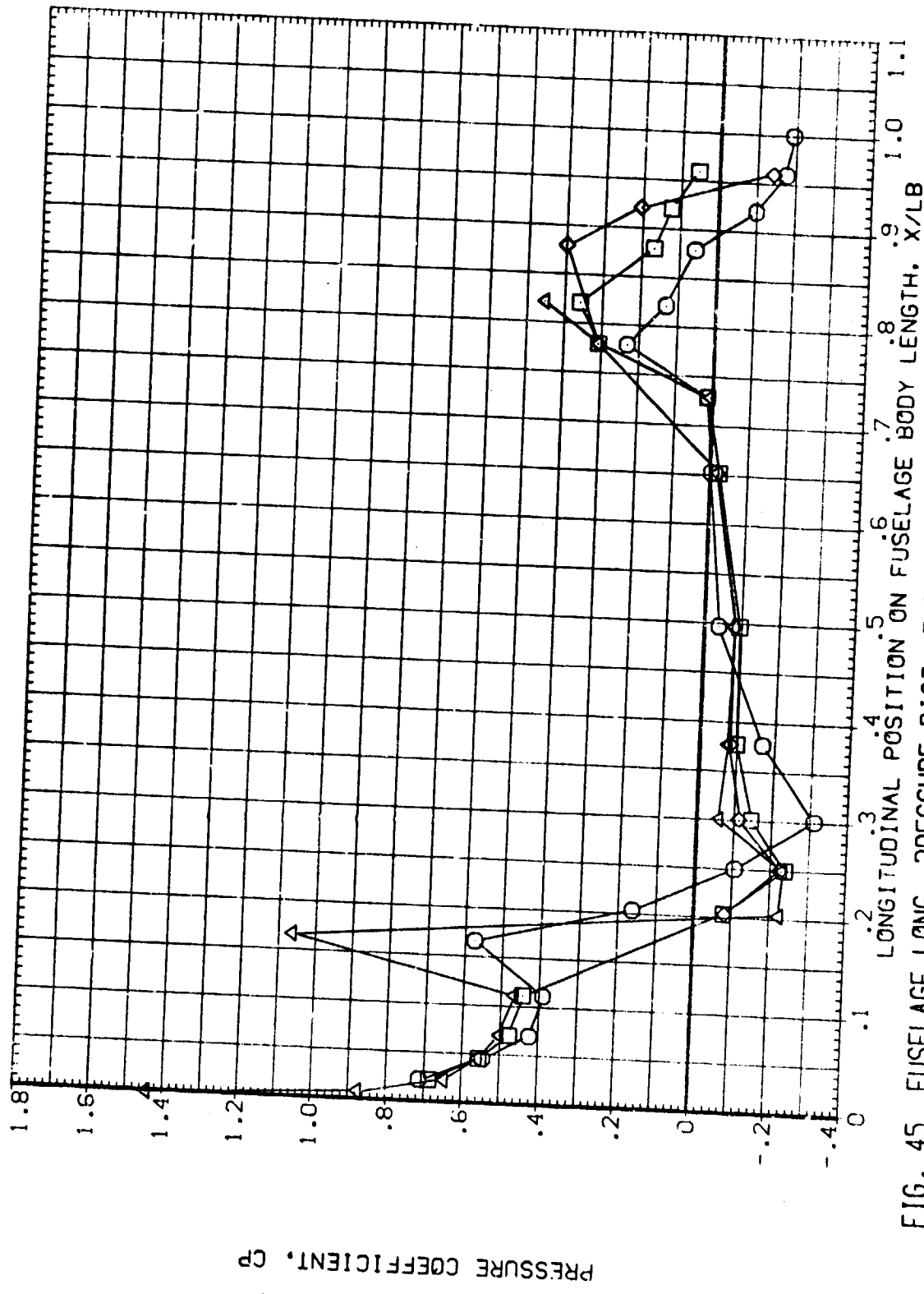


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL
 ○
 □
 ◇
 △

PHI
 .000
 40.000
 70.000
 90.000

BETA0
 4.000

ALPHA0
 -4.000

MACH
 ELV-1B
 RUDDER

PARAMETRIC VALUES
 1.550 RN/FT
 .000 ELV-08
 .000 SPOBRK

2.500
 .000
 .000

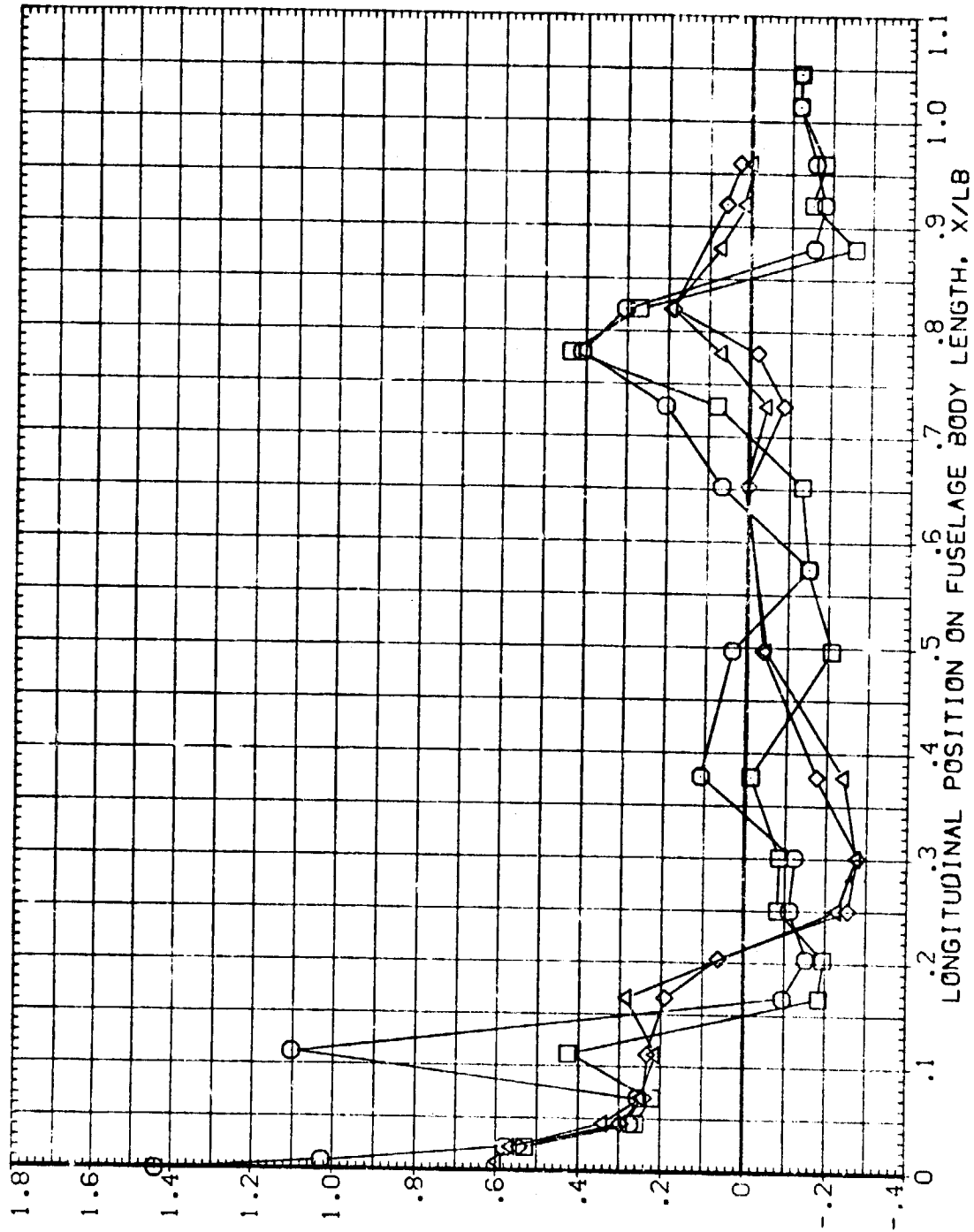


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL

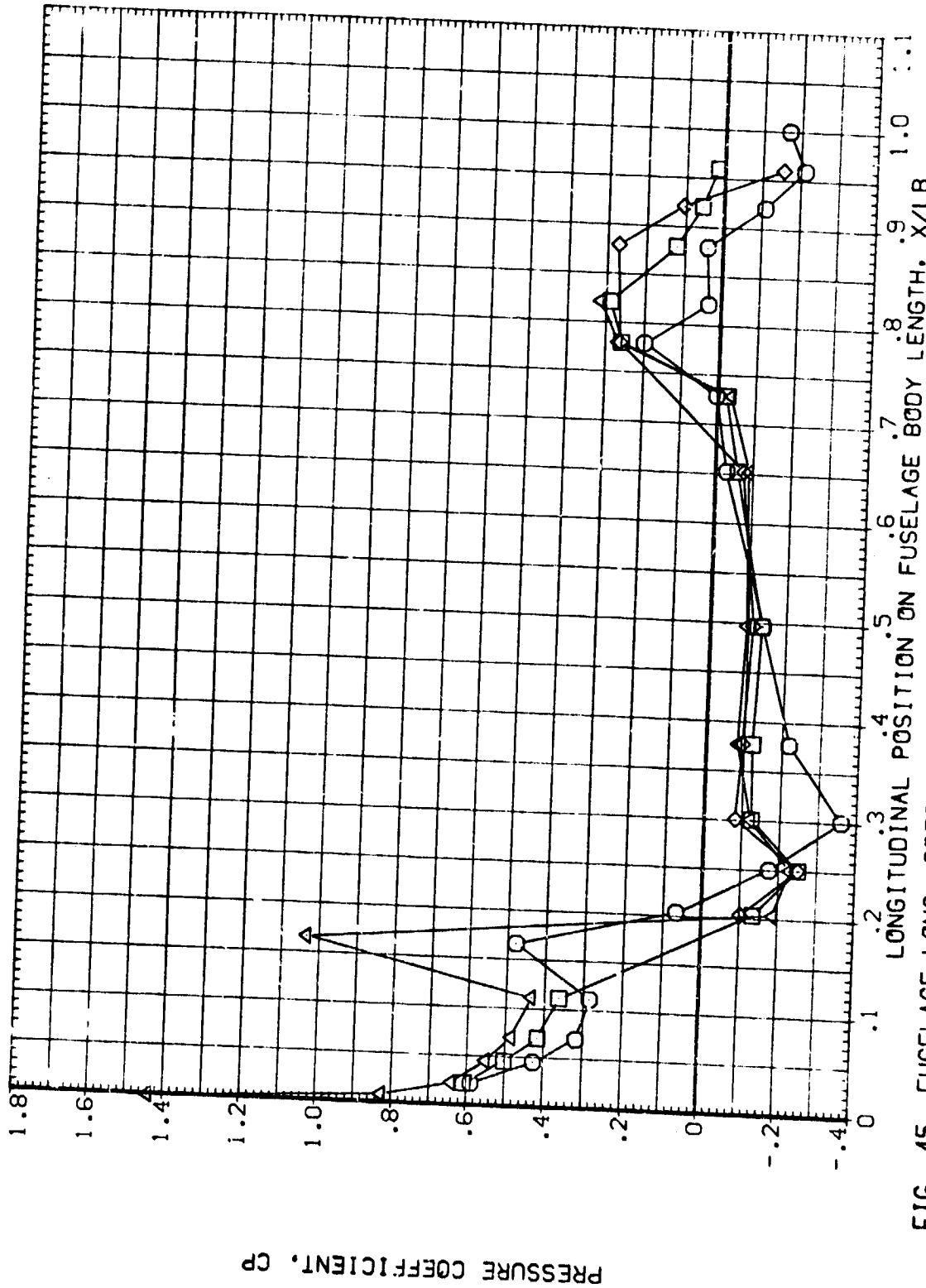
PHI
20.000
50.000
165.000
80.000

BETA
4.000

ALPHA
-4.000

PARAMETRIC VALUES

MACH 1.550 RN/FT 2.500
ELV-IB .000 ELV-OB .000
RUDDER .000 SPDBRK .000



PRESSURE COEFFICIENT, CP

FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

PHI	BETA θ	ALPHA θ	MACH	PARAMETRIC VALUES
.000	-6.000	.000	1.550	RN/FT 2.500
40.000			.000	ELV-OB .000
70.000			.000	SPOBRK .000
90.000				

SYMBOL	PHI
○	40.000
□	70.000
◇	70.000
△	90.000

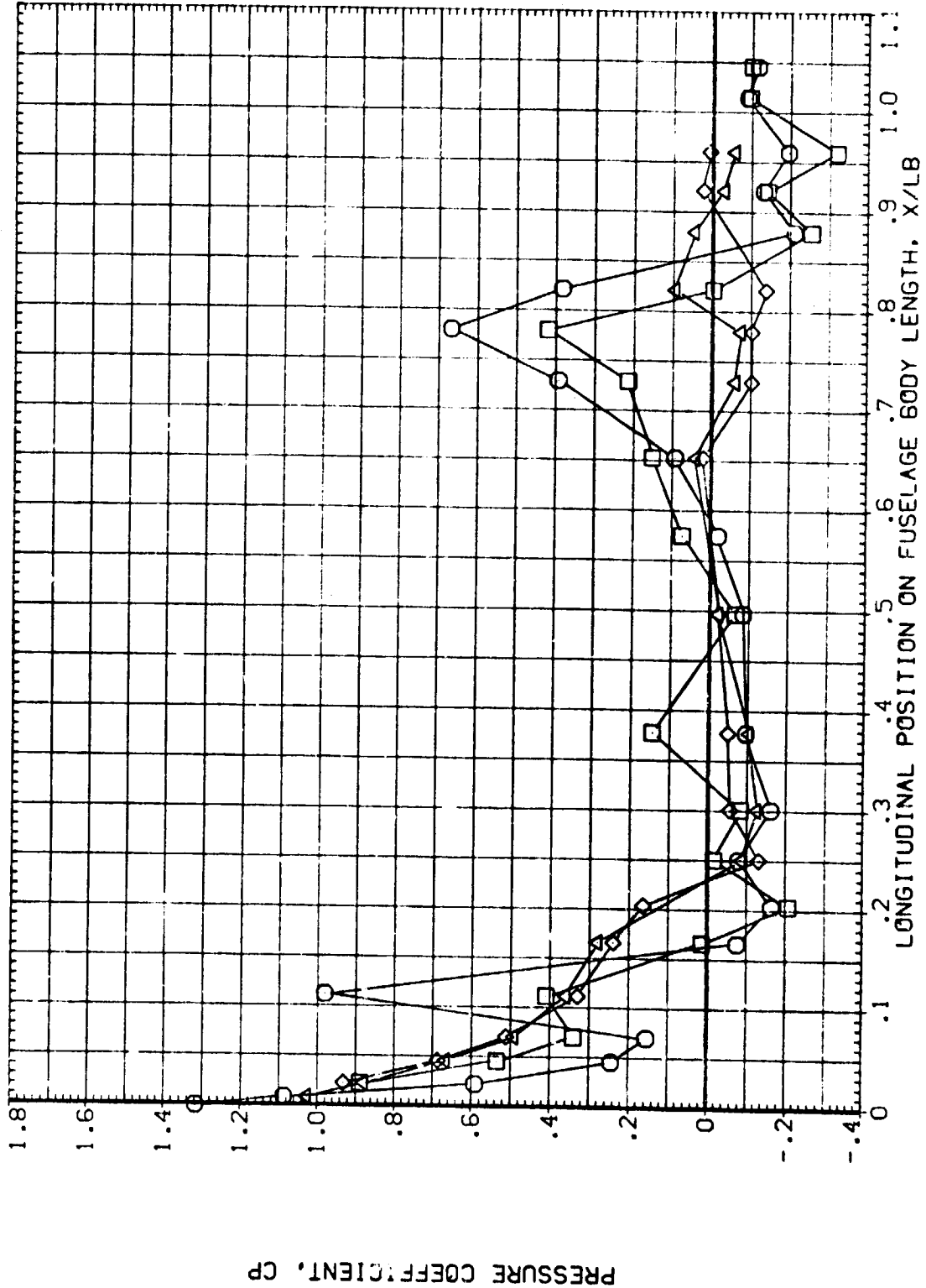


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL
 ○ □ ◇ △

PHI 20.000
 50.000
 165.000
 185.000

BETAD -6.000

ALPHAD .000

PARAMETRIC VALUES
 MACH 1.550
 ELV-18 .000
 RUDDER .000

RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

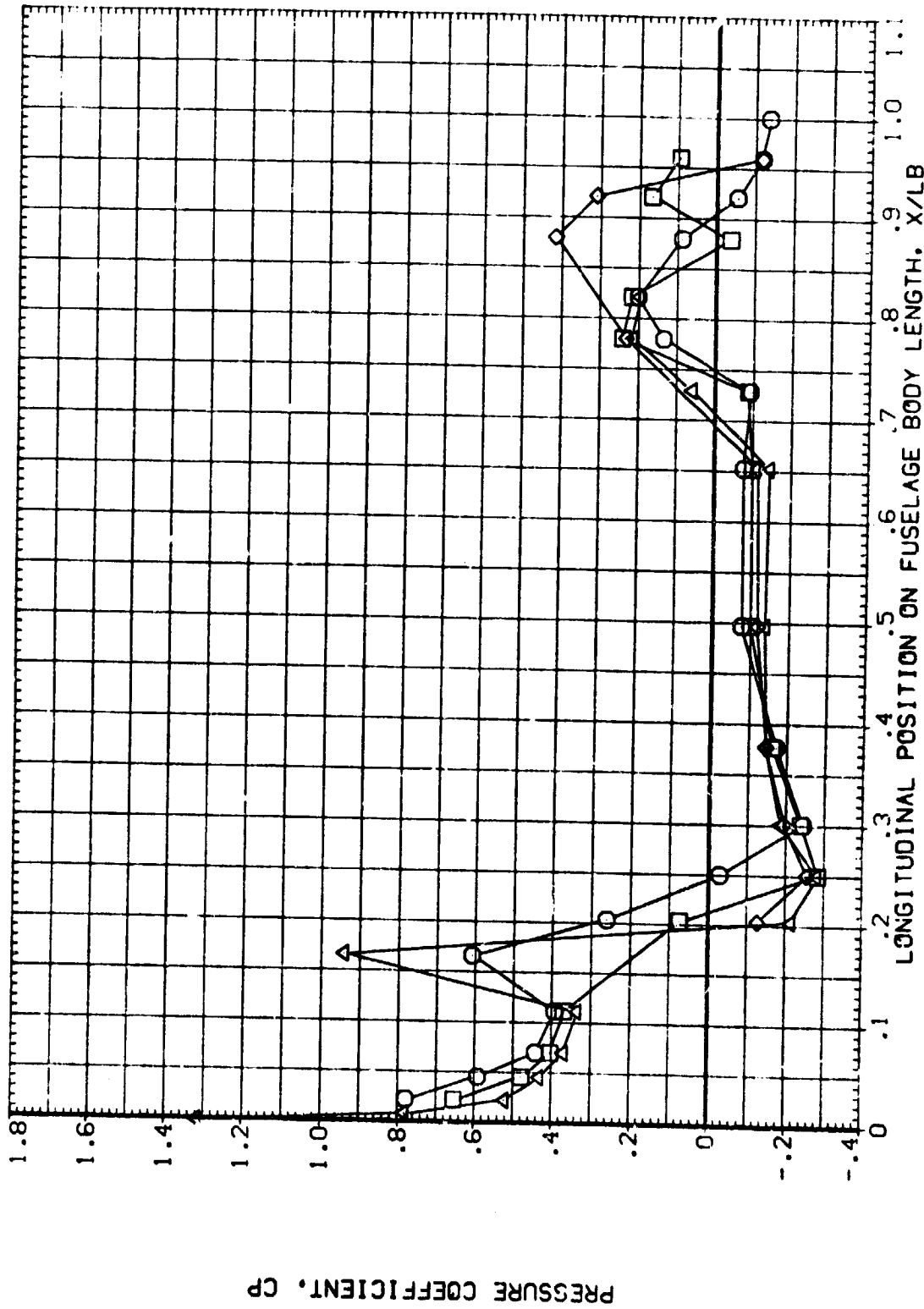


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYN: ○ □ ◇ △

PHI .000
40.000
70.00°
90.000

BETA0 -4.000
ALPHA0 .000

MACH
ELV-18
RUDDER

PARAMETRIC VALUES

1.550 RN/F 2.500
.000 ELV-L, .000
.000 SPOBRK .000

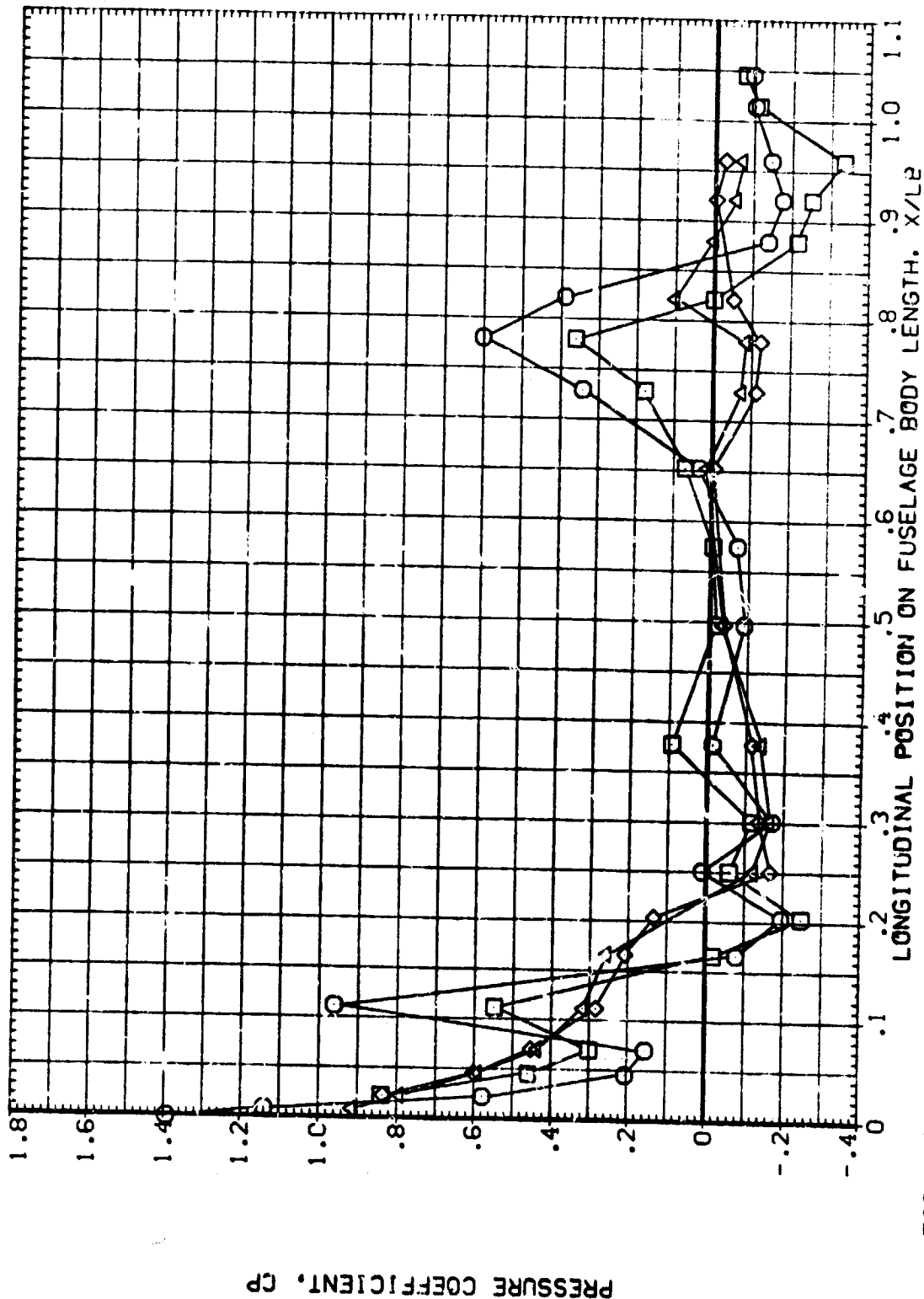


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 1.55

C-2

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA θ	ALPHAM θ	MACH	PARAMETRIC VALUES
○	20.000	-4.000	.000	ELV-16	1.550
□	.50.000			RUDDER	.000
◇	165.000				ELV-08
△	.80.000				SPDBRK
					2.500
					.000
					.000

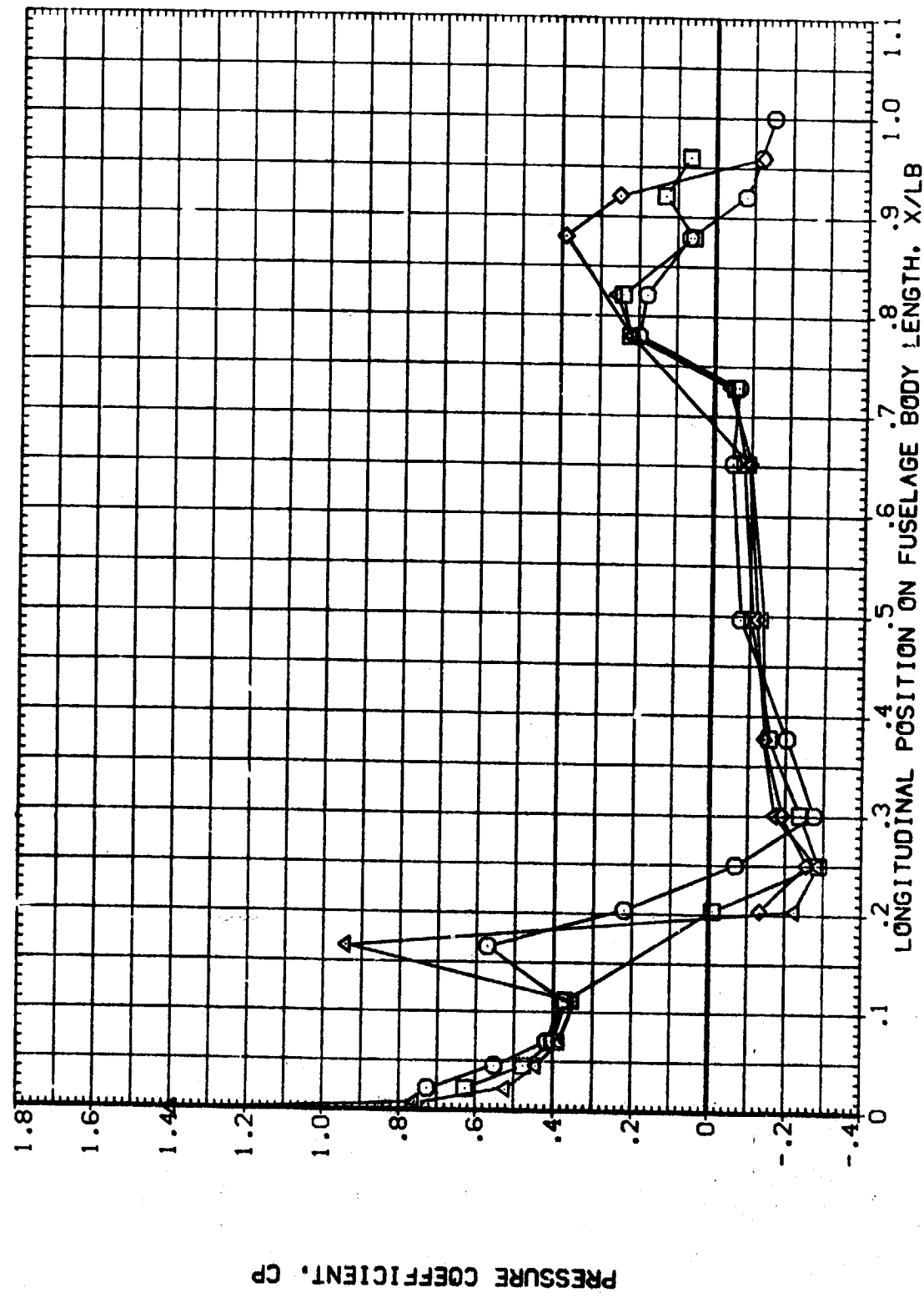


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL PHI BETA ALPHA
 ◊ .000 .000 .000
 □ 40.000
 △ 70.000
 90.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELY-18 .000 ELY-08 .000
 RUDDER .000 SPDBRK .000

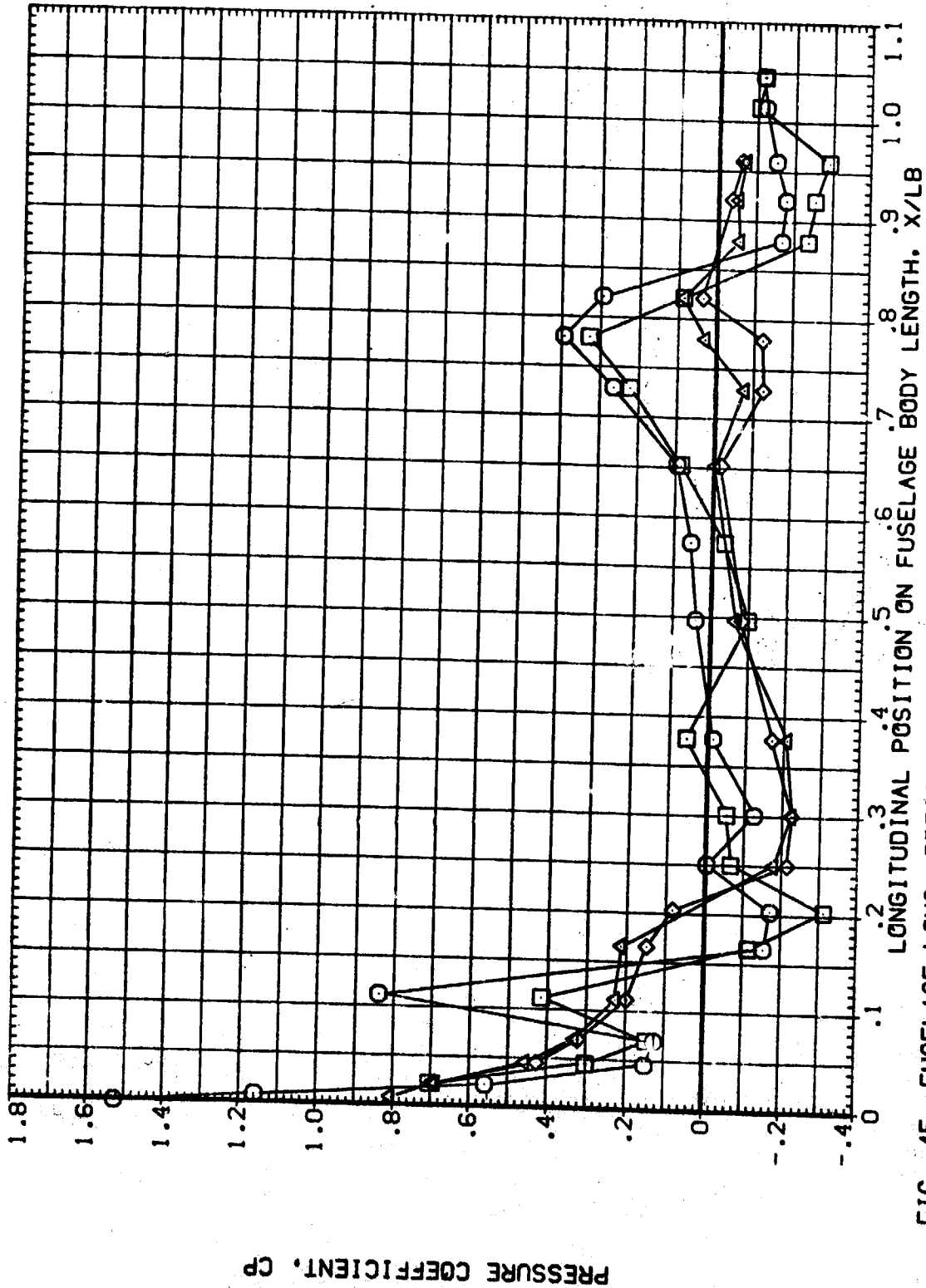


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL PHI BETA ALPHA
 □ .20 .000 .000
 ○ .50 .000
 ◇ .65 .000
 △ .80 .000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-JB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

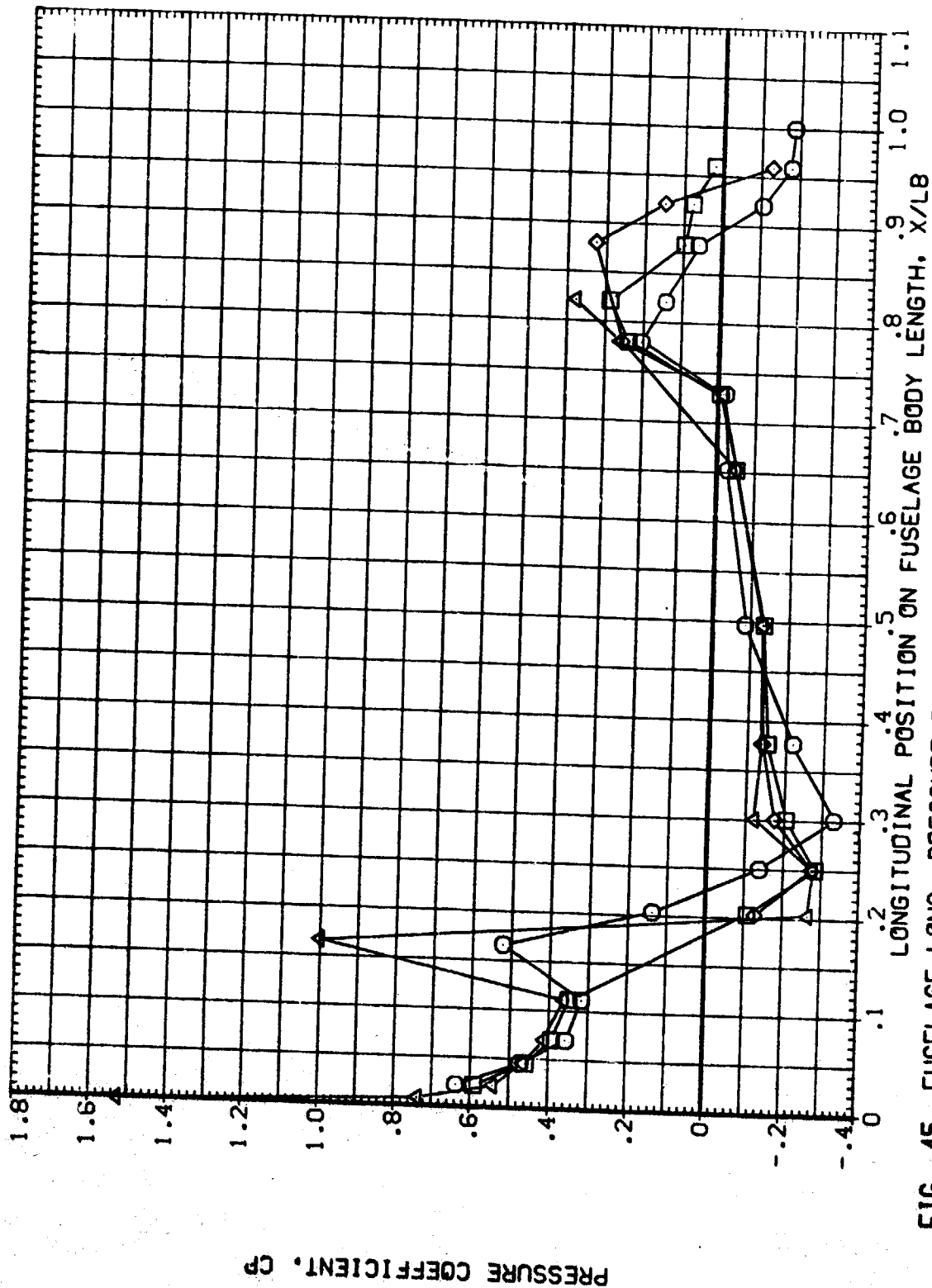


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES
○	.000	4.000	.000	1.550	.000	.000	RN/FT 2.500
◇	40.000			.000	.000	.000	ELV-OB .000
△	70.000			.000	.000	.000	SPOBRK .000
▽	90.000						

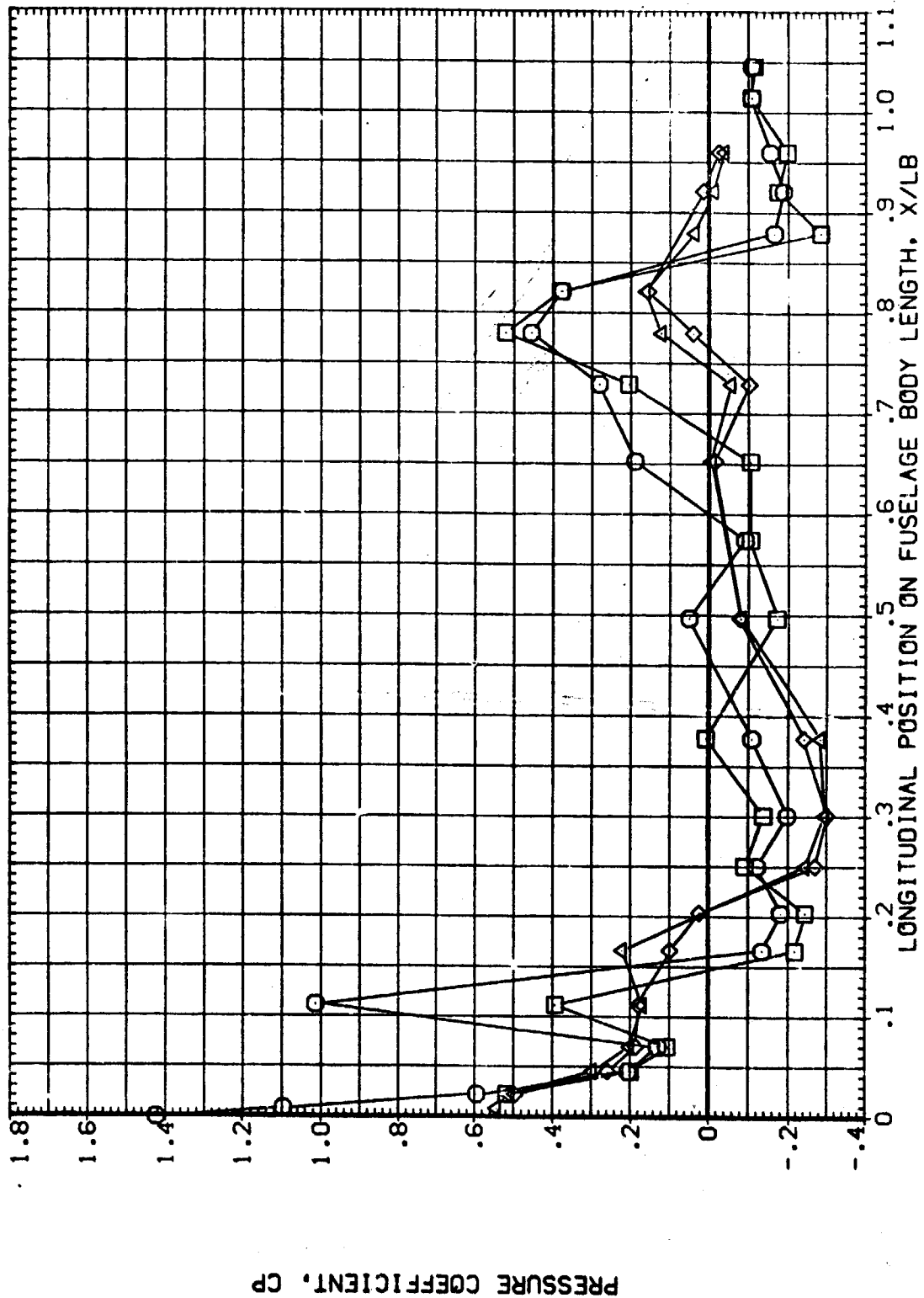


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.20.000	4.000	.000	ELV-10	1.550 RN/FT
◇	.50.000			RUDDER	.000 ELV-08
△	.80.000				.000 SPDBRK
					2.500
					.000
					.000

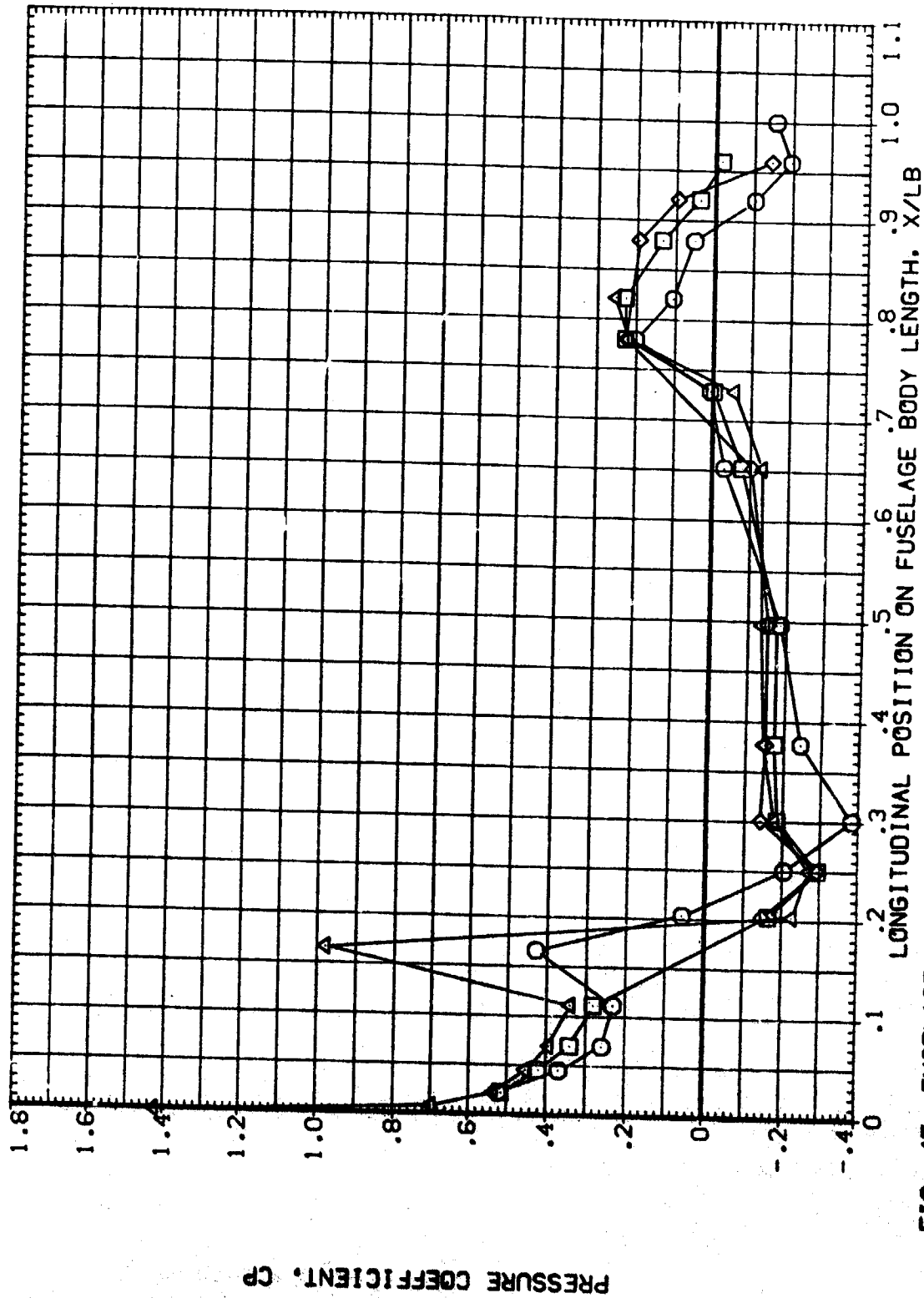


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-1B	RUDDER	PARAMETRIC VALUES
○	.000	6.000	.000	1.550	.000	.000	RN/FT 2.500
◇	40.000			.000	.000	.000	ELV-0B .000
△	70.000			.000	.000	.000	SPDBRK .000
□	90.000						

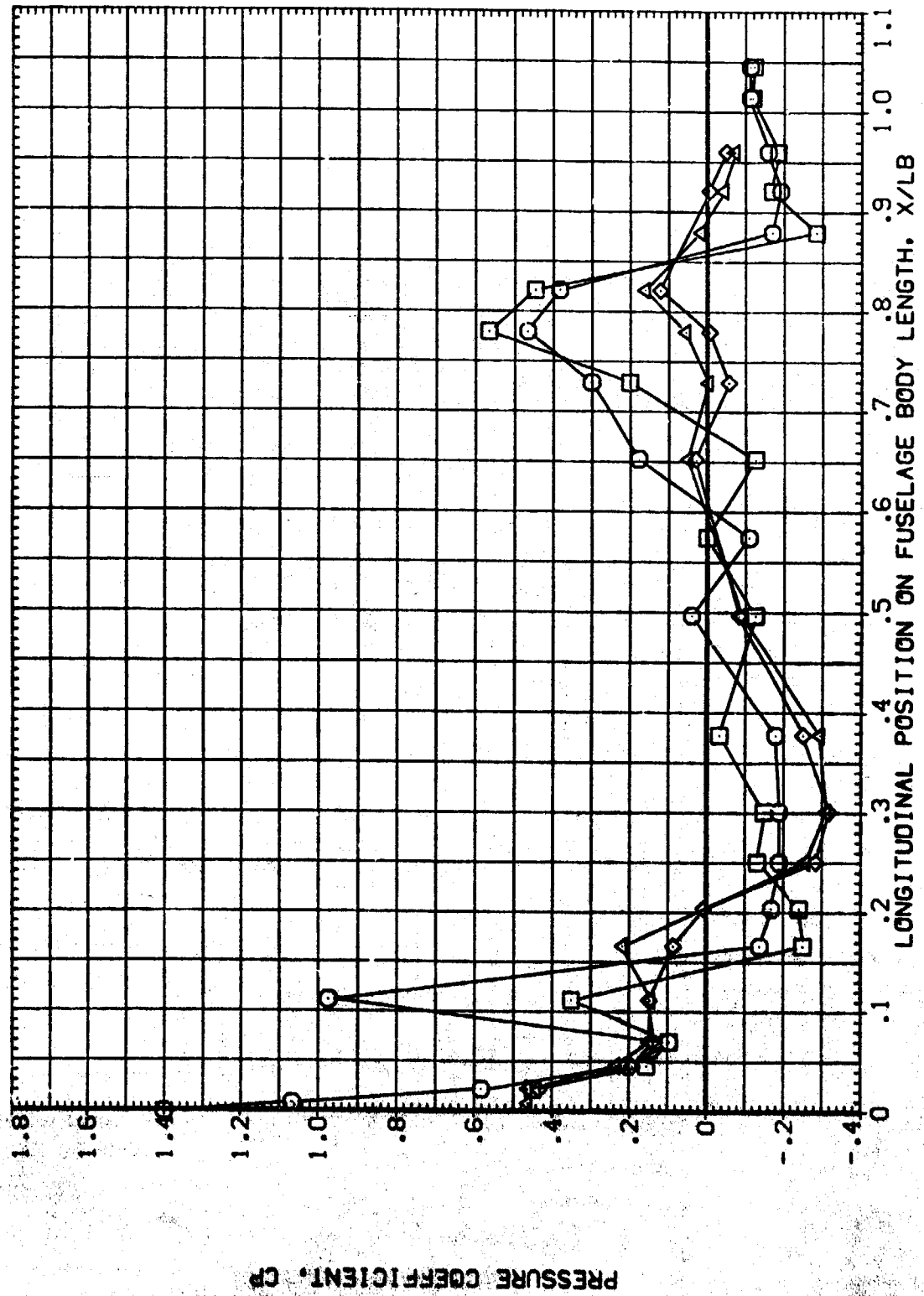


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL PHI BETA ALPHA
 ○ 20.000 6.000 .000
 □ 50.000
 △ 80.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-08 .000 ELV-09 .000
 RUDDER .000 SPD BRK .000

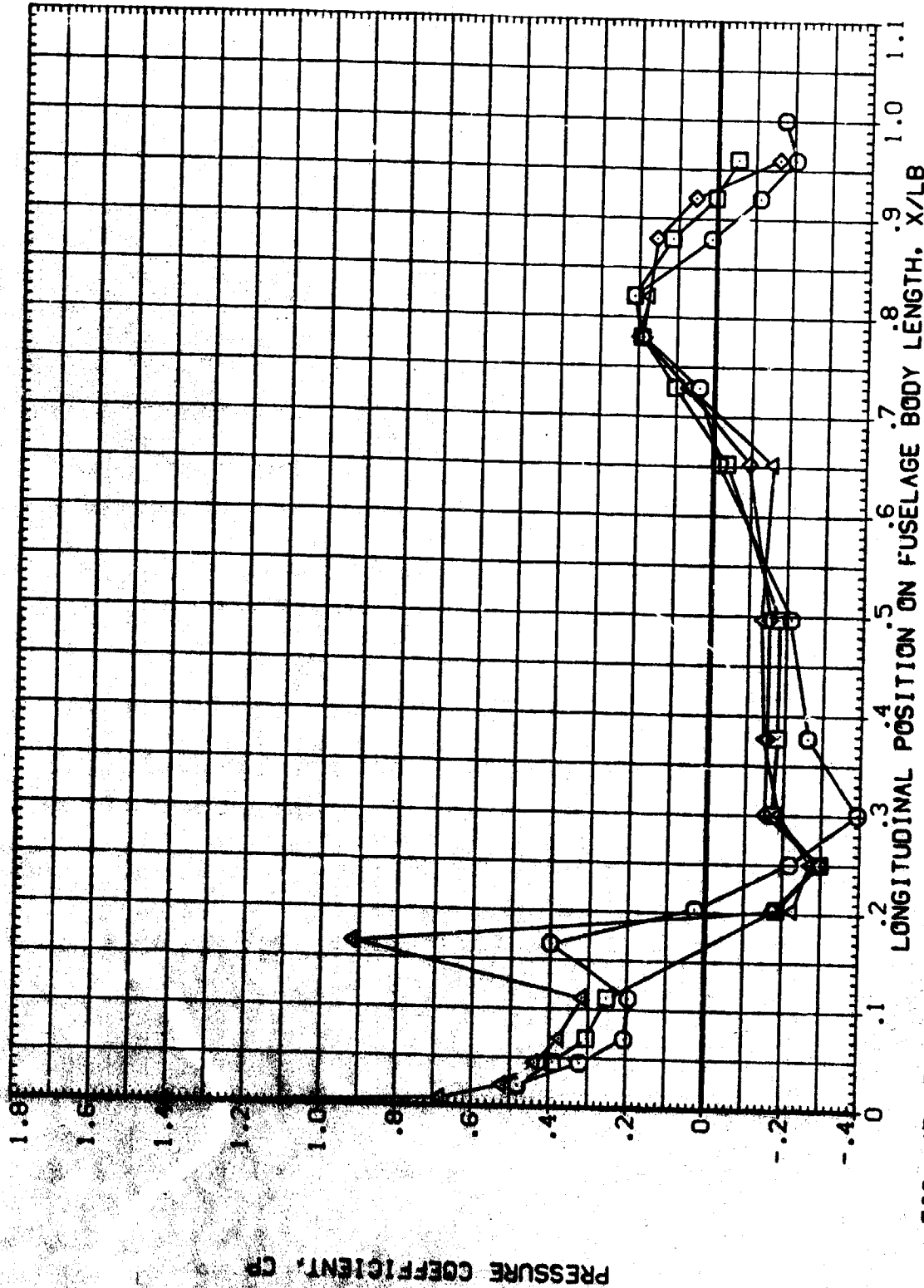


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD BRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (JETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	ELV-1B	1.550
□	40.000			RUDDER	.000
◇	70.000				ELV-08
△	90.000				SPOBRK
					2.500
					.000
					.000

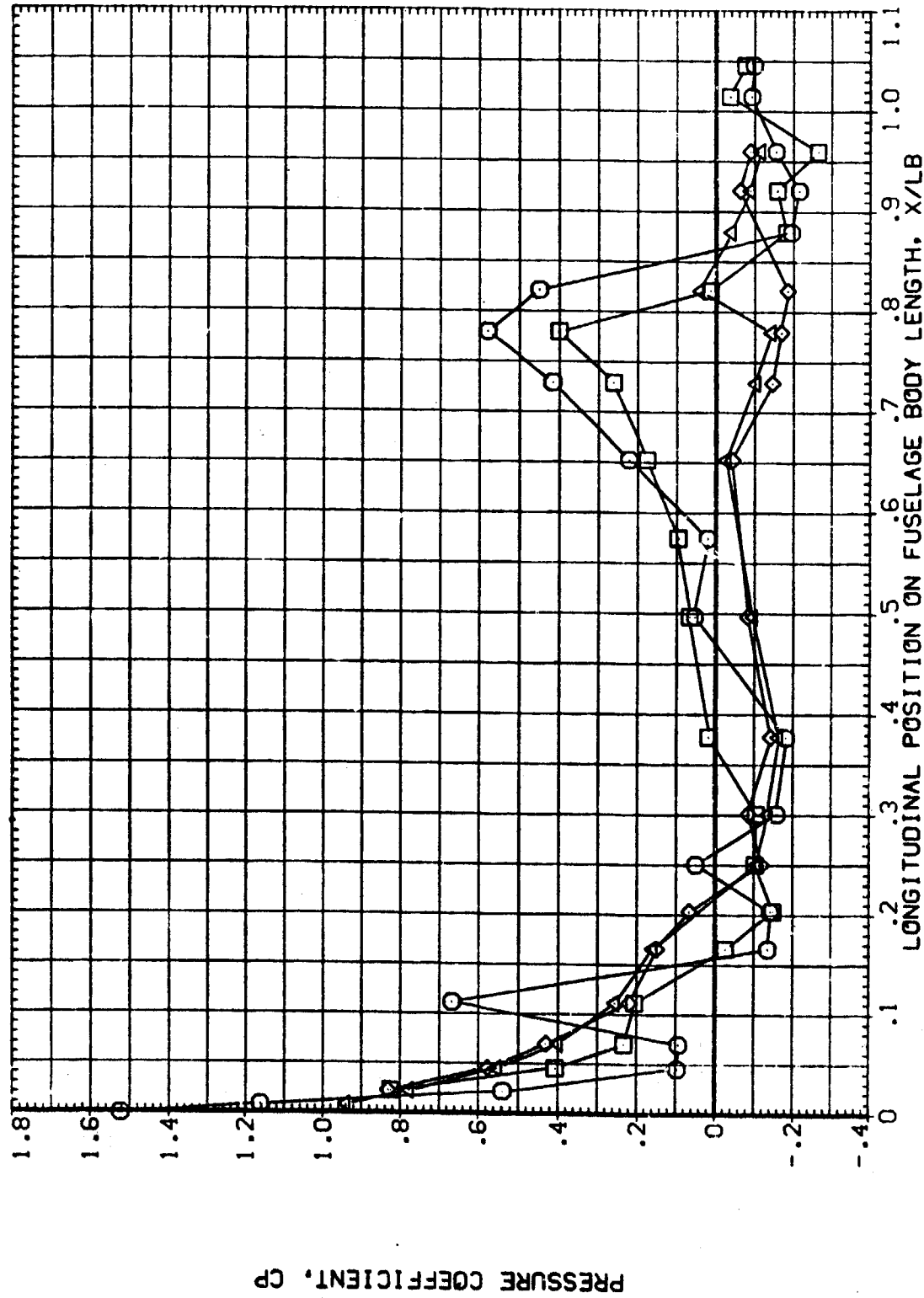


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
20.000	-4.000	4.000	ELV-18	1.550
50.000			RUDDER	.000
165.000				2.500
80.000				.000
				SPDBRK
				.000

SYMBOL	
○	
□	
△	

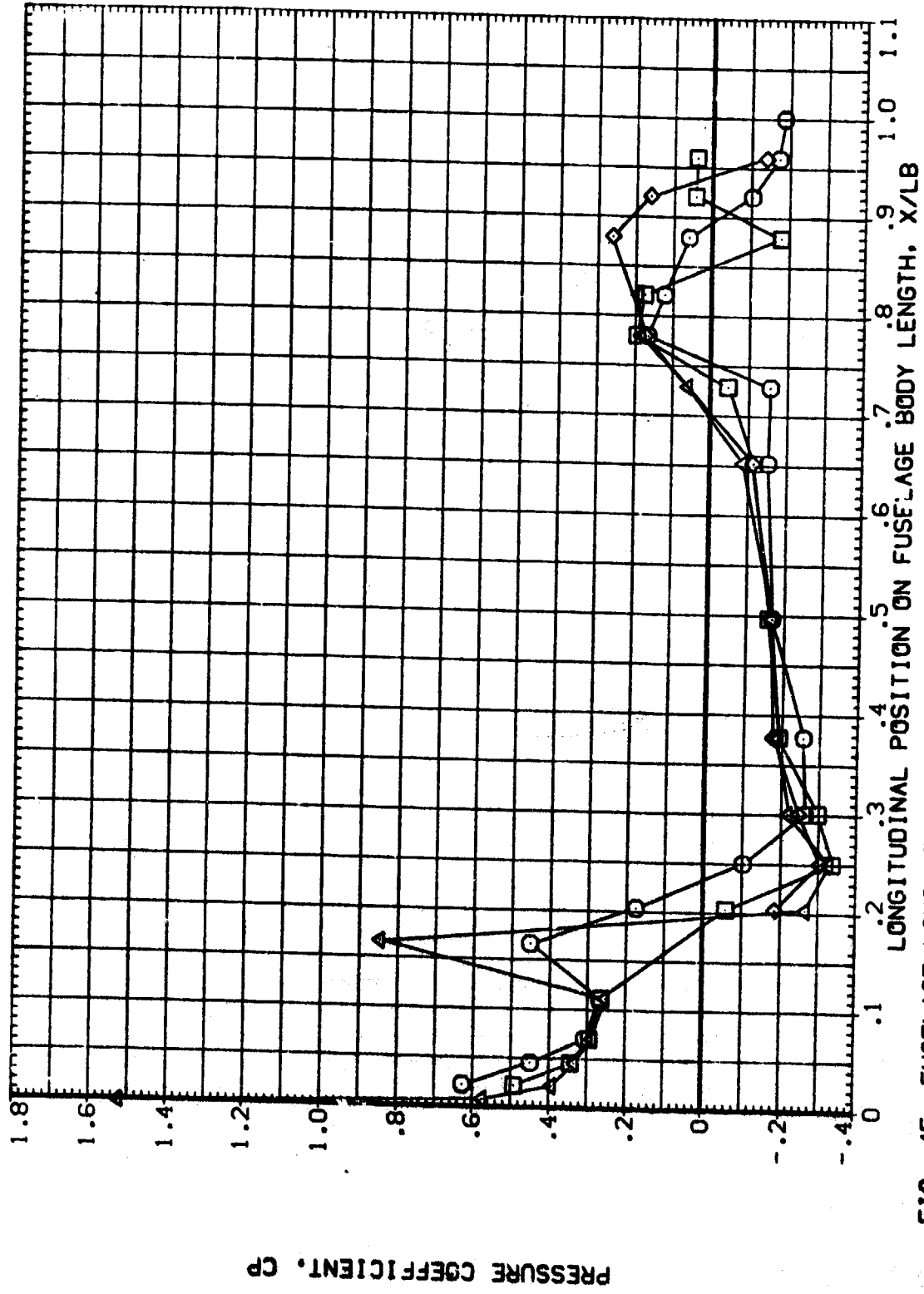


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-1B	PARAMETRIC VALUES
○	.000	.000	4.000	1.550	RN/FT	2.500
□	40.000			.000	ELV-08	.000
△	70.000			.000	SPDBRK	.000
◇	90.000					

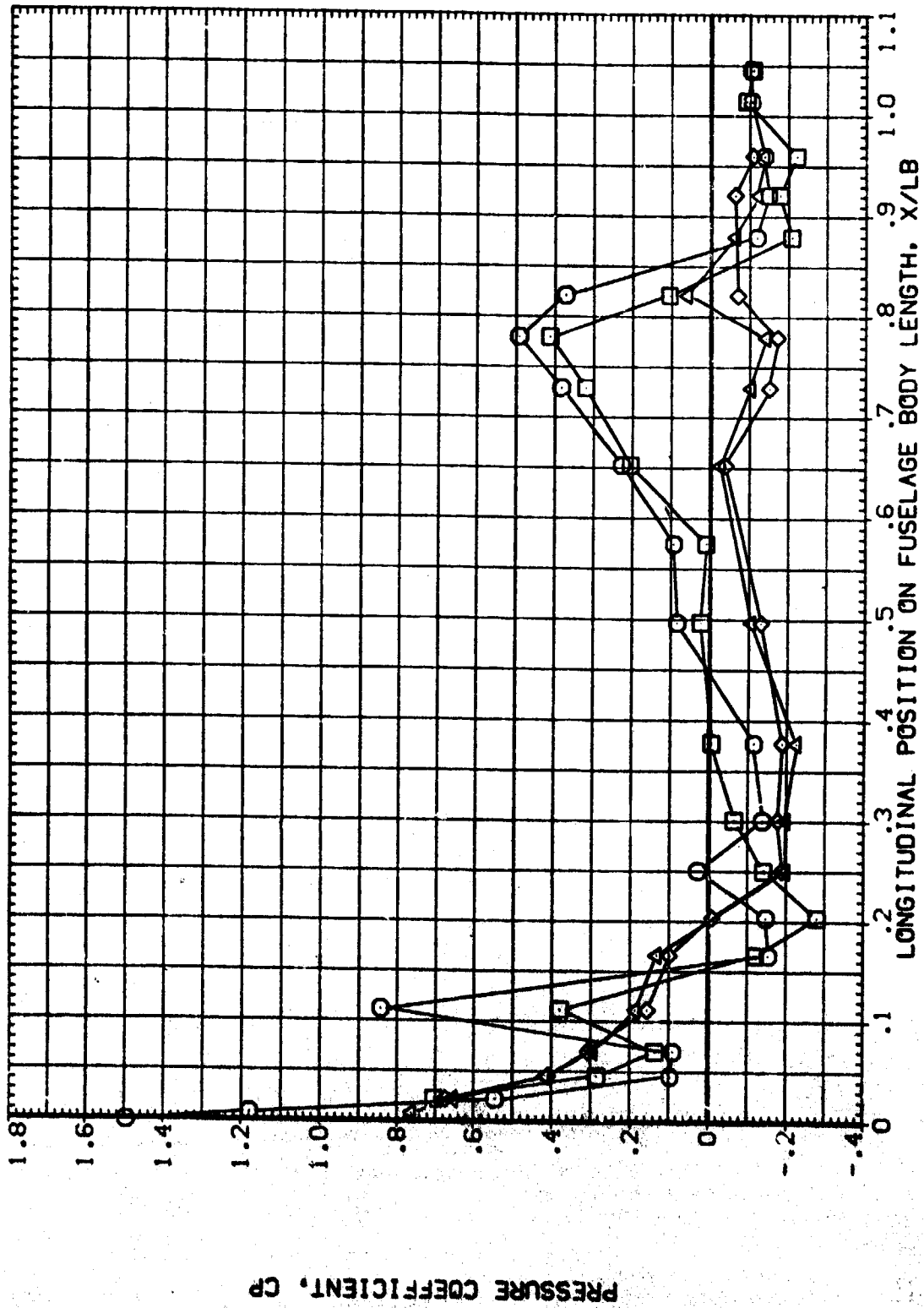


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL
 ○
 □
 ◇
 △

PHI 20.000
 30.000
 65.000
 90.000

BETA0 .000

ALPHA0 4.000

PARAMETRIC VALUES
 MACH 1.550
 ELV-18 .000
 RUDDER .000

RN/FT 2.500
 ELV-08 .000
 SPD8RK .000

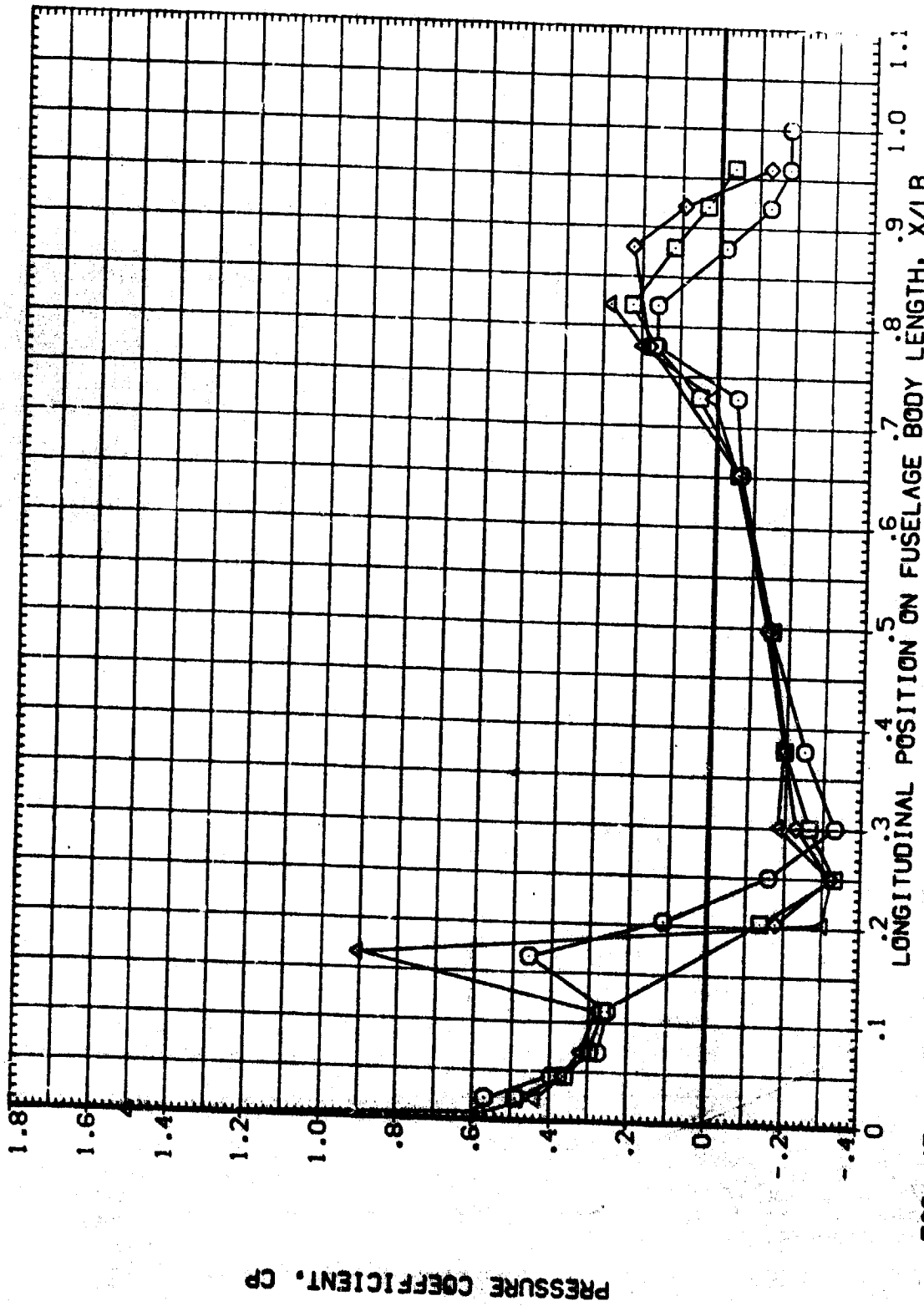


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.000	4.000	4.000	1.550	RN/FT		2.500
□	40.000			.000	ELV-08		.000
◇	70.000			.000	SPDBRK		.000
△	90.000						

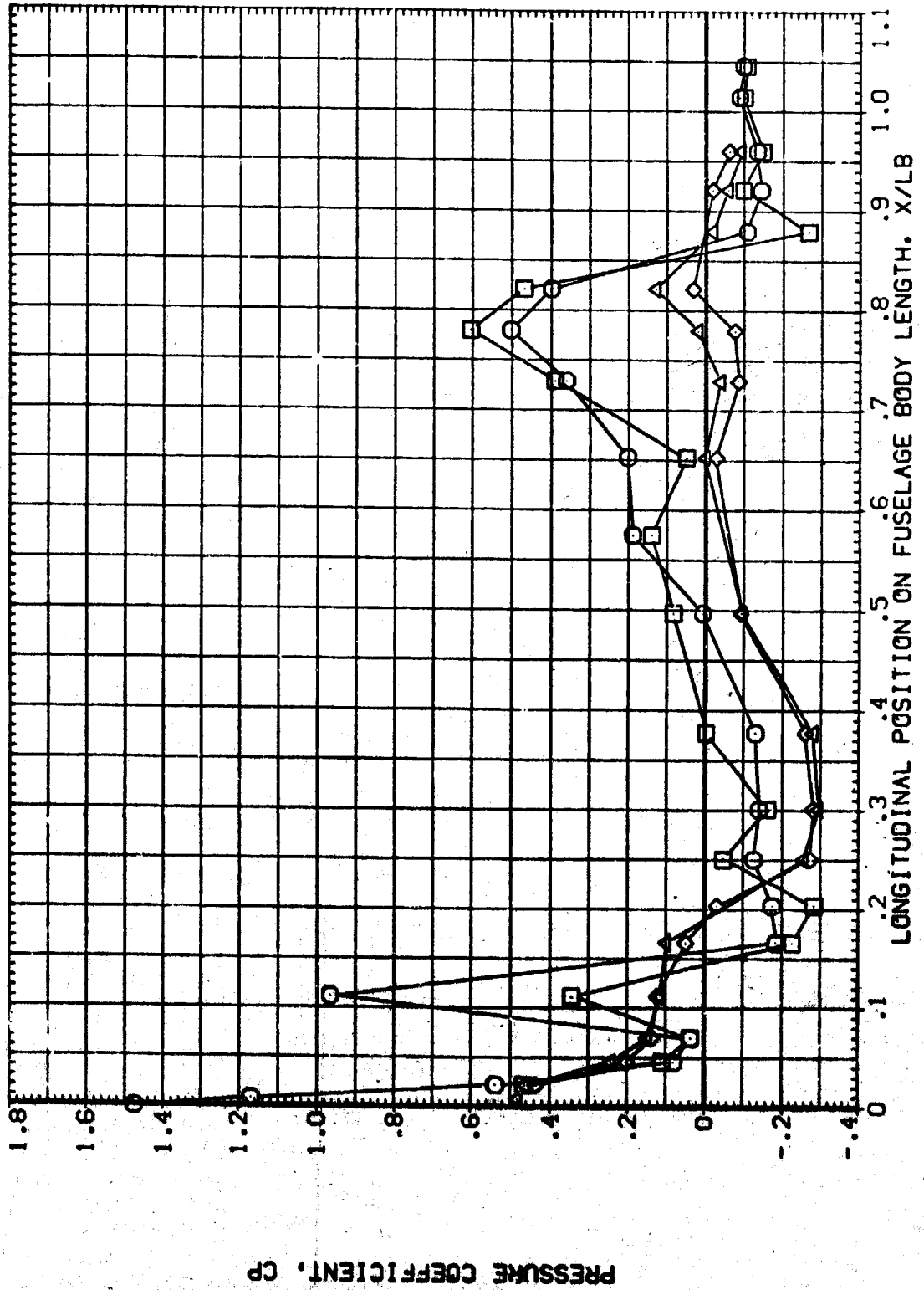


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 1A81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL PH1 BETAG ALF2:10
 20.000 4.000 4.000
 30.000
 165.000
 90.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPDBRK .000

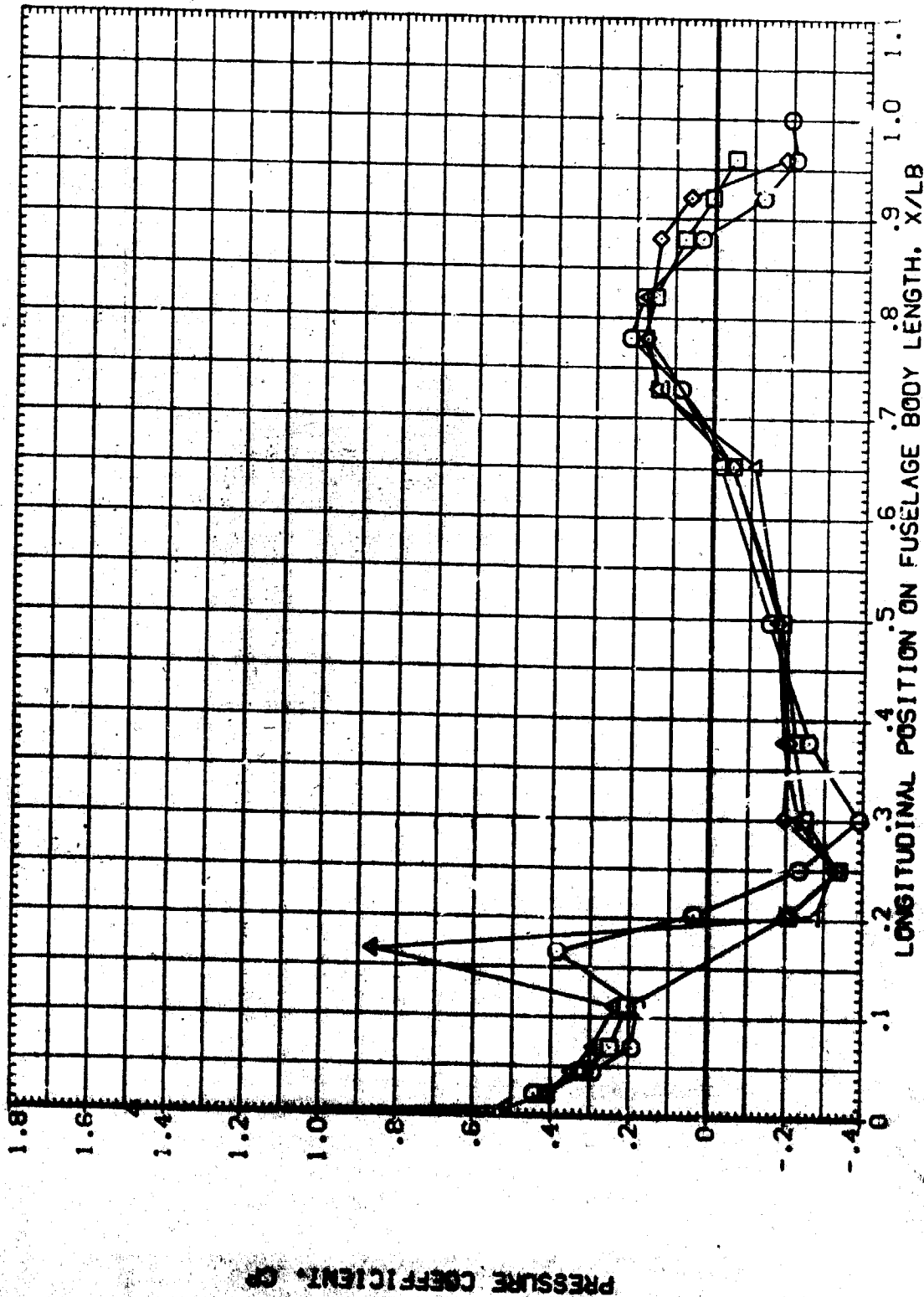


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL:	PHI	BETA θ	ALPHA θ	MACH	ELV-1 θ	RUDDER	PARAMETRIC VALUES
○	.000	.000	6.000	1.550	.000		RN/FT 2.500
□	40.000			.000	.000		ELV-0 θ .000
◇	70.000			.000	.000		SPDBRK .000
△	90.000						

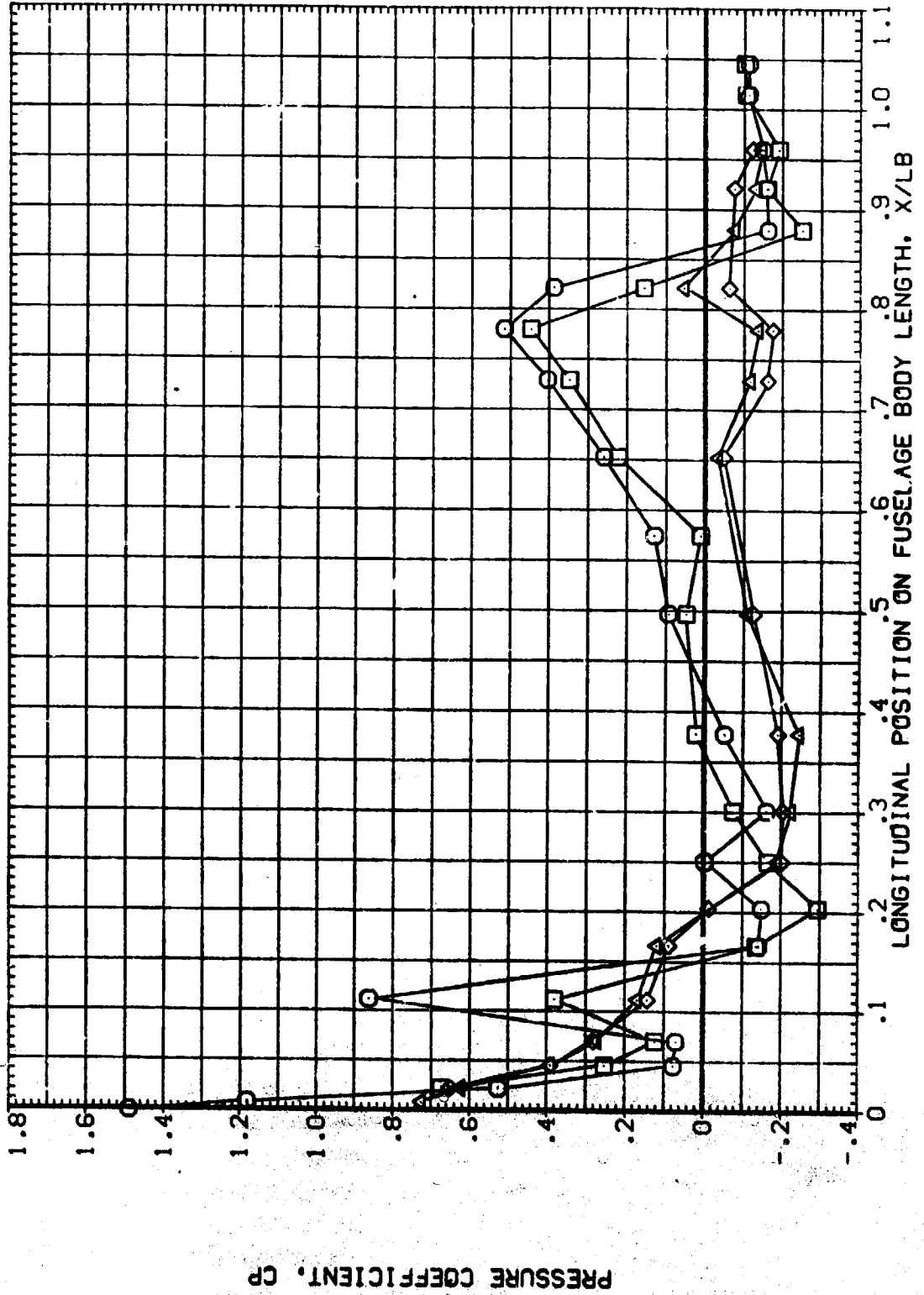


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB39)

SYMBOL PHI BETAD ALPHAD

○ 20.000 .000 6.000

□ 50.000

◇ 65.600

▽ 80.000

PARAMETRIC VALUES

MACH 1.550 RN/FT 2.500

ELV-18 .000 ELV-08 .000

RUDDER .000 SPOBRK .000

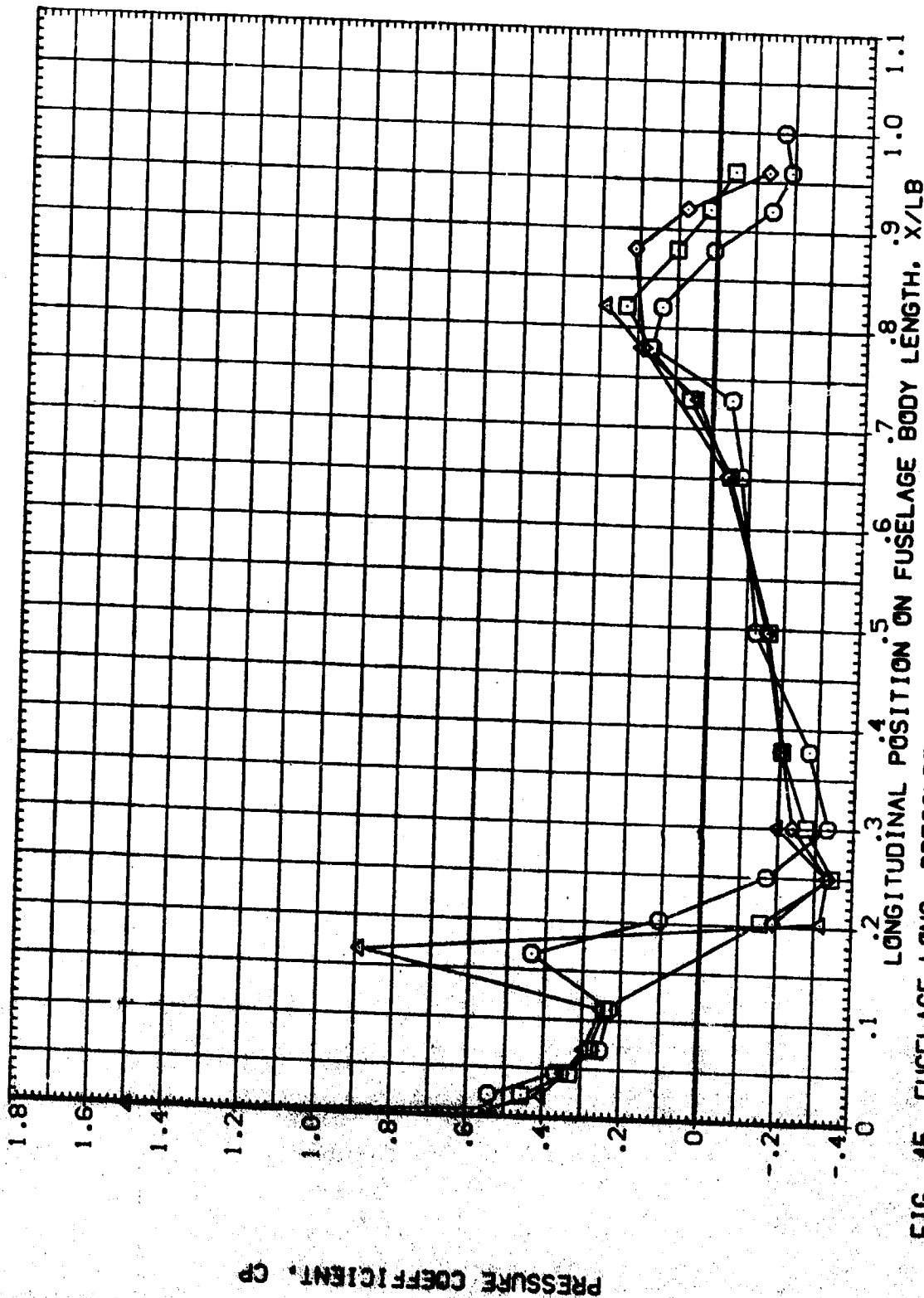


FIG. 45 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-1B	2.000 RN/FT
□	40.000			RUDDER	.000 ELY-08
◇	70.000				.000 SPD0BK
△	90.000				.000

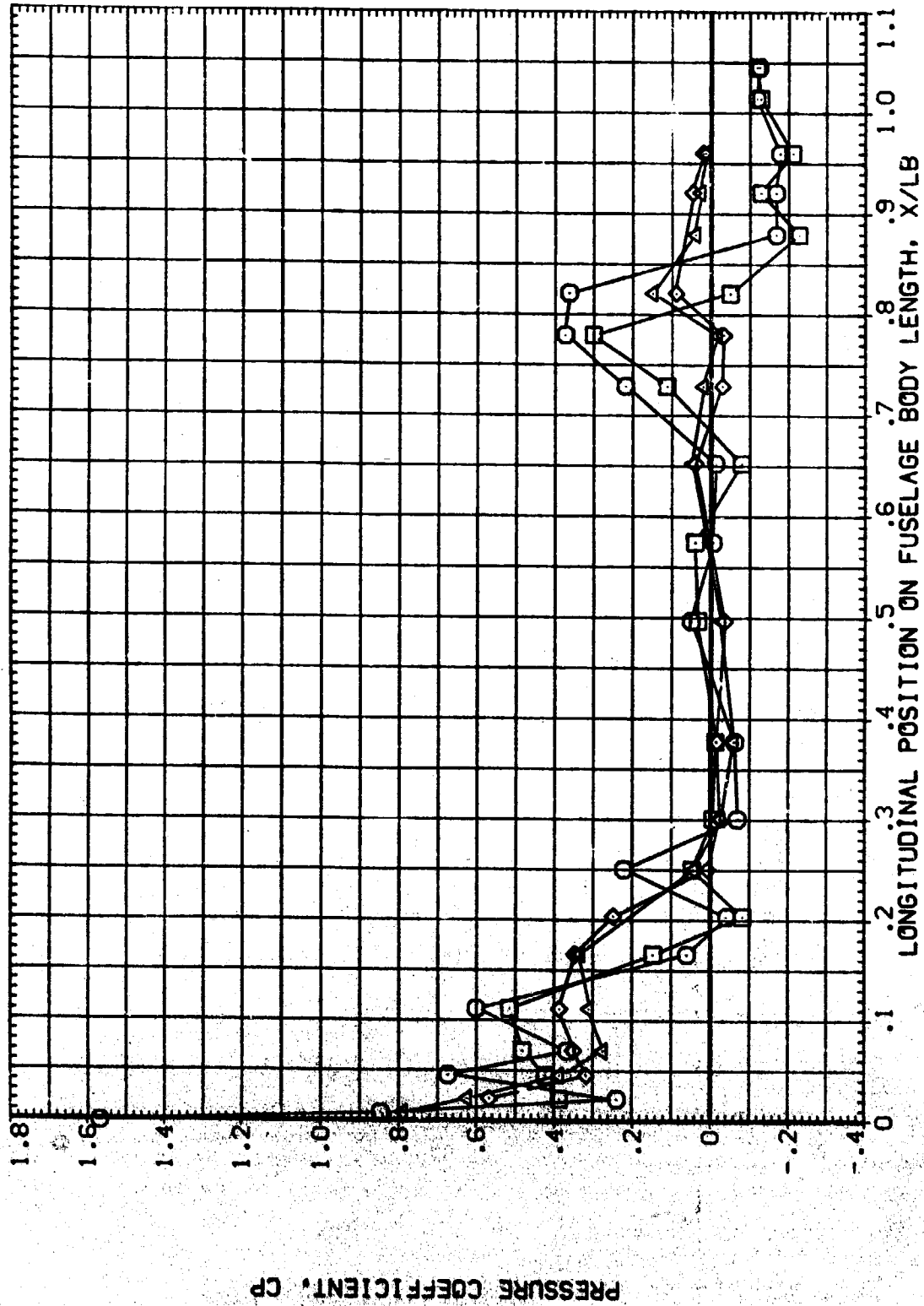


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD0BK = 0, MACH = 2.00

ARC97-019 IA&I LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL
 ○
 □
 ◇
 △

PHI
 :20.000
 :50.000
 :80.000

BETAD
 .000

ALPHAD
 -6.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.000 RN/FT
 .000 ELV-08
 .000 SPOBRK

2.500
 .000
 .000

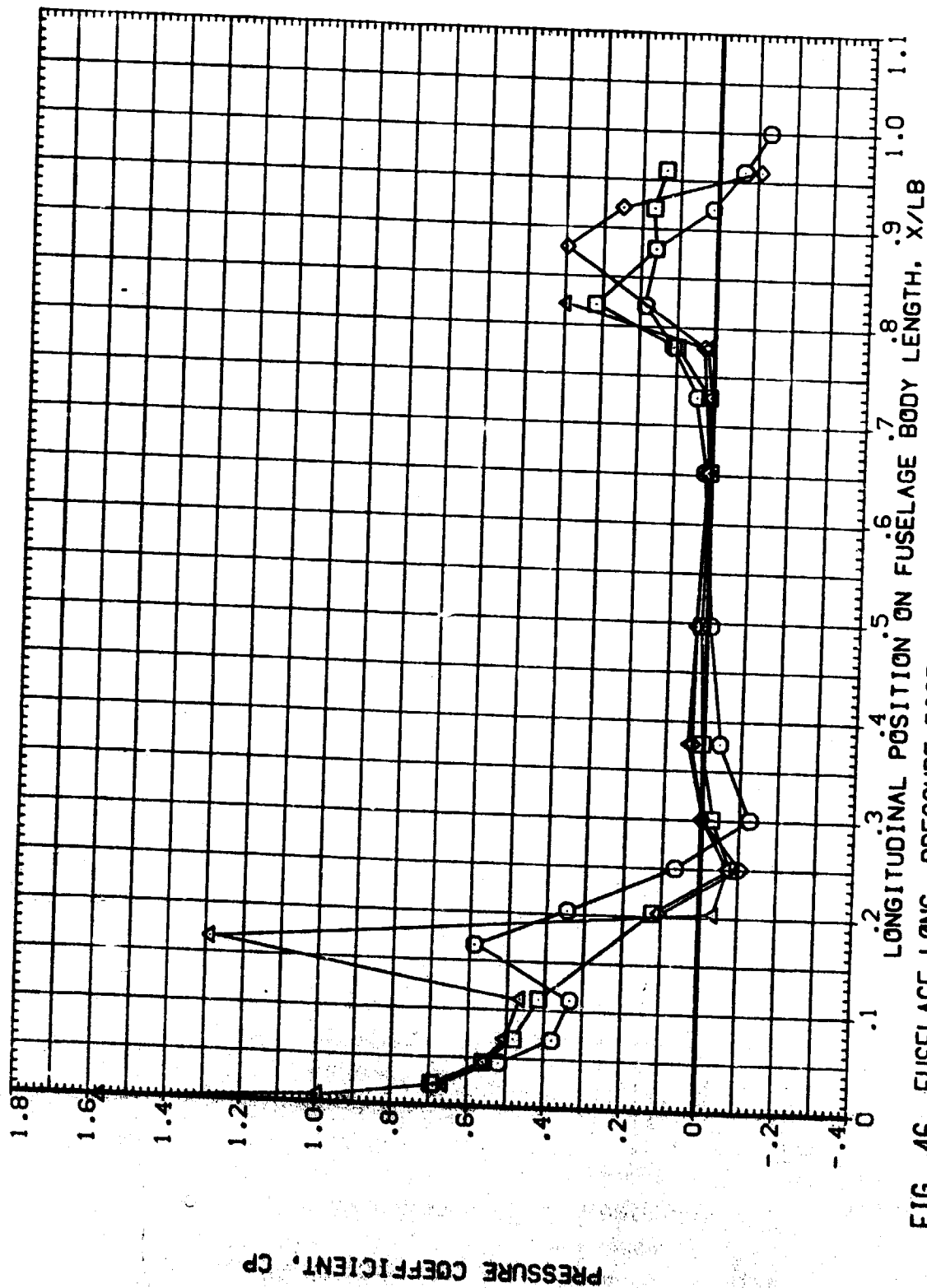


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	-4.000	ELV-18	2.000 RN/FT
□	40.000			RUDDER	.000 ELV-08
◇	70.000				.000 SPDBRK
△	90.000				.000

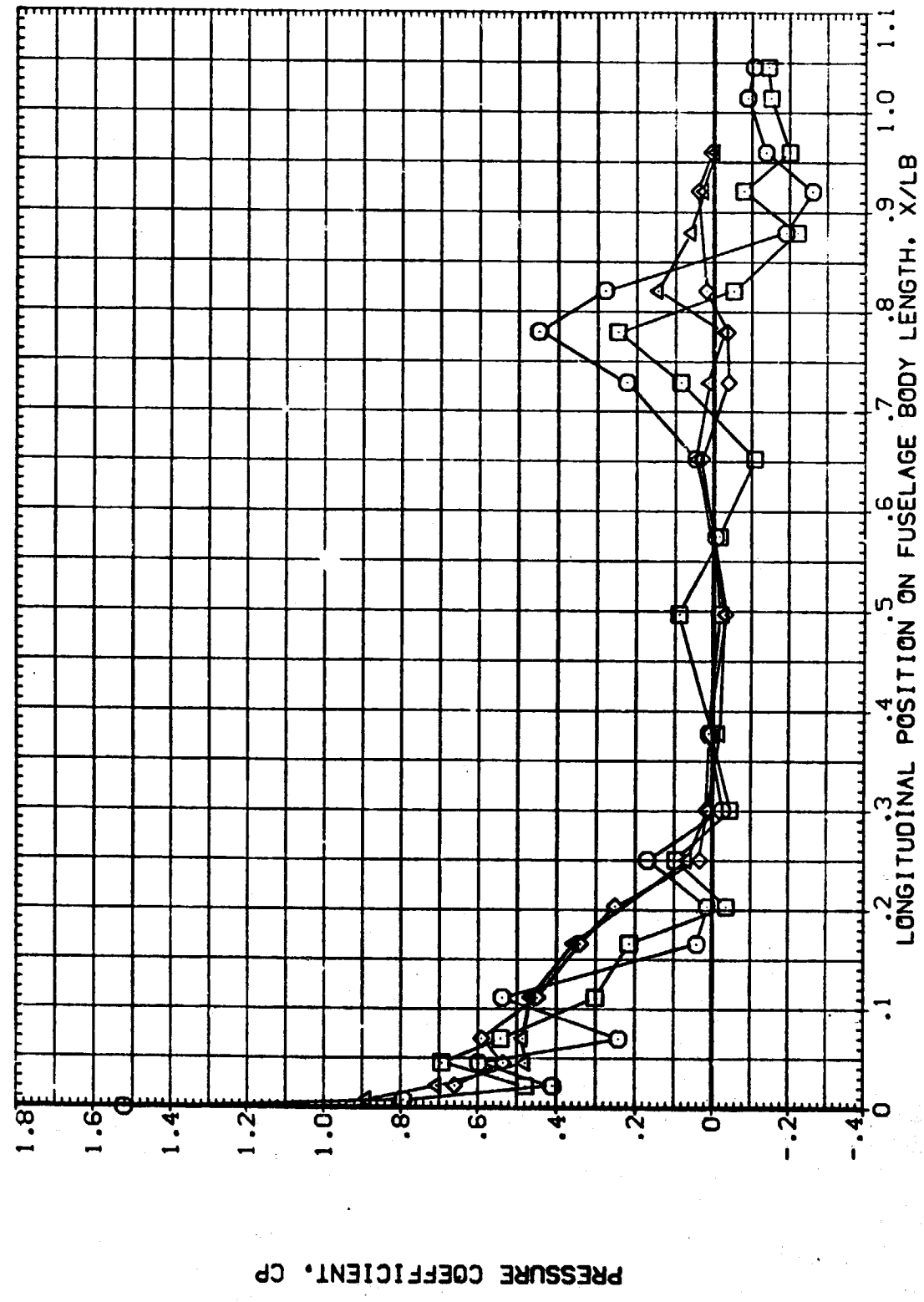


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAF(CALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL PHI BETAS ALPHA0
 ◊ :20.000 -4.000 -4.000
 □ :50.000
 ○ :80.000
 △ :60.000

PARAMETRIC VALUES
 MACH 2.500
 ELV-18 .000 RN/FT
 RUDDER .000 ELV-08
 .000 SPOBRK

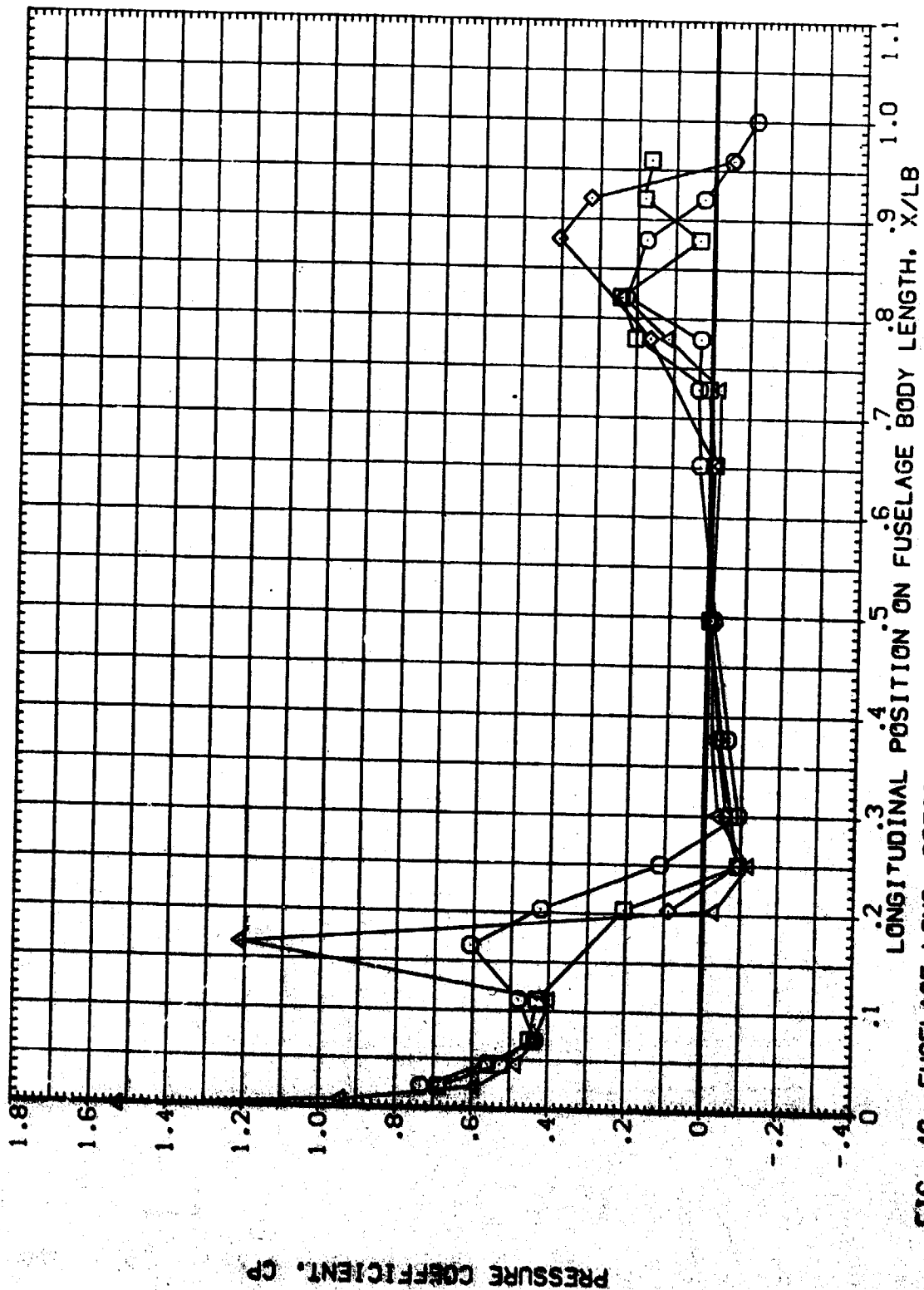


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBS.		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	□	.000	.000	-4.000	MACH	2.000	RN/FT	2.500
◇	△	40.000			ELV-18	.000	ELV-08	.000
		70.000			RUDDER	.000	SPOBRK	.000
		90.000						

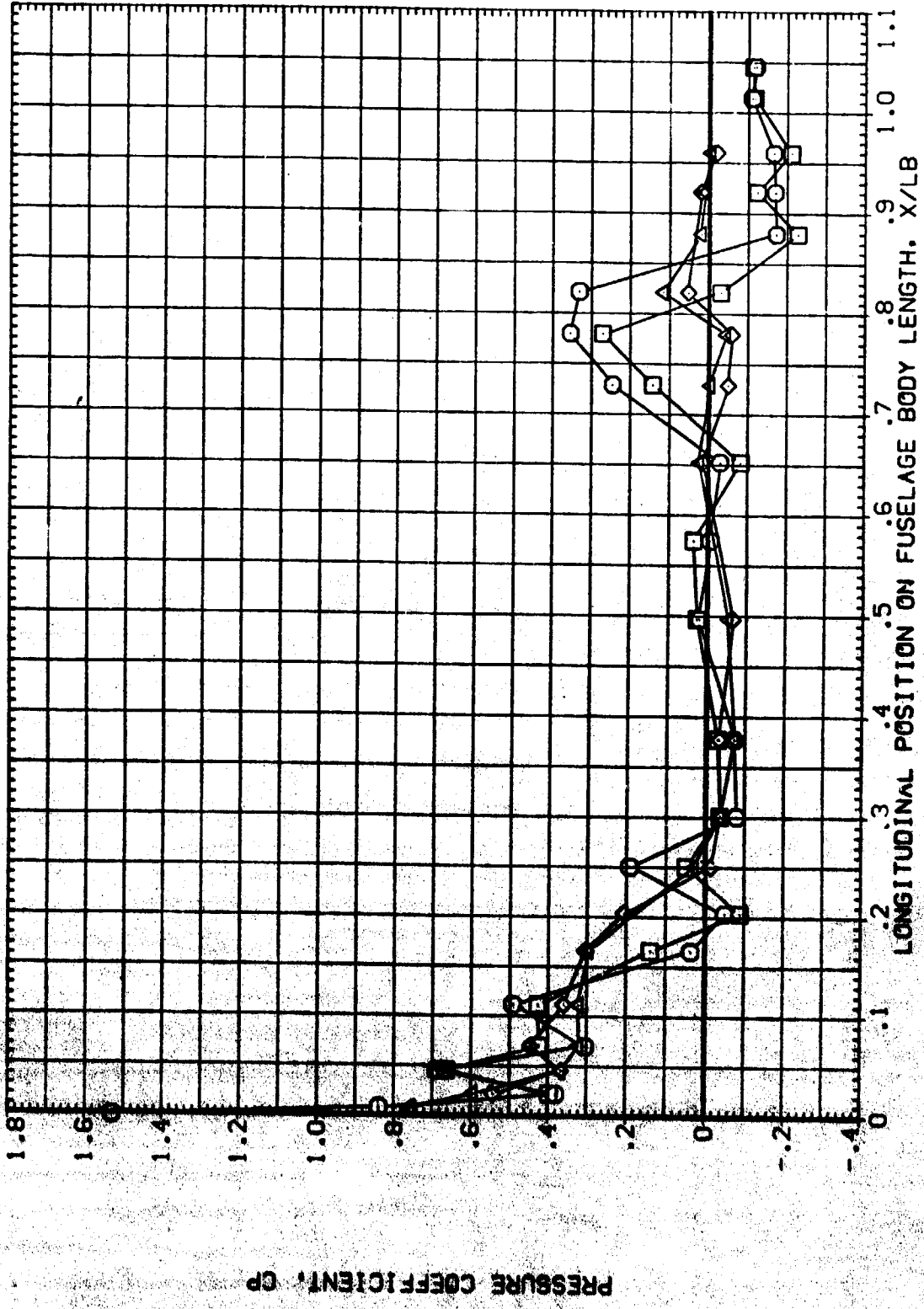


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BE ^{1/40}	ALPHA ^{1/40}	MACH	PARAMETRIC VALUES
○	.20, .000	.070	-4.000	ELV-1B	2.000 RN/FT
□	.50, .000			RUDDER	.000 ELV-OB
◇	.65, .000				.000 SPOBRK
△	.80, .000				.000 SPOBRK

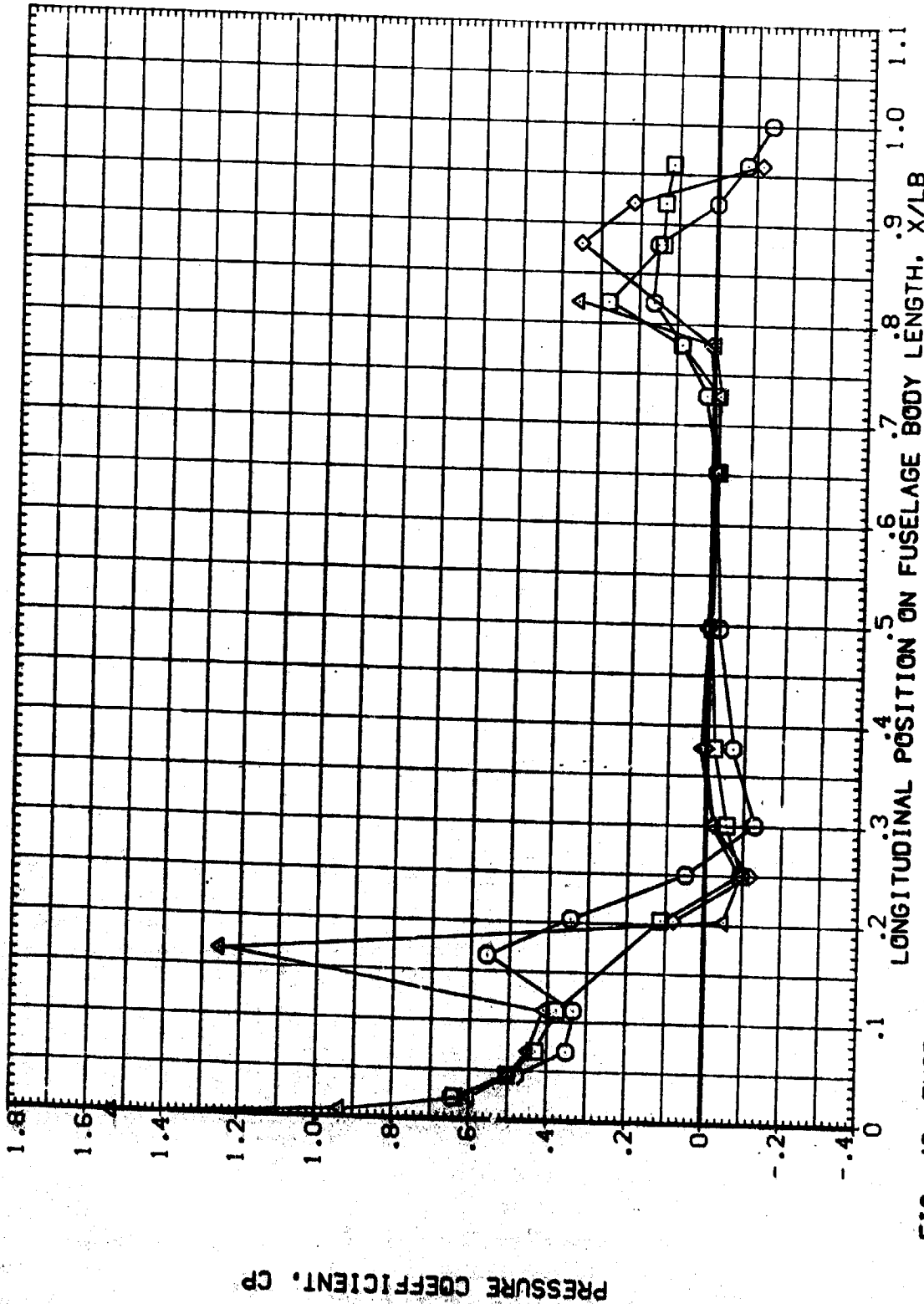


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PHI	BETA	ALPHA	PARAMETRIC VALUES			
.000	4.000	-4.000	MACH	2.000	RM/FT	2.500
40.000			ELV-18	.000	ELV-OB	.000
70.000			RUDDER	.000	SPOBRK	.000
90.000						

SYMBOL:
 ○ □ ◇ △

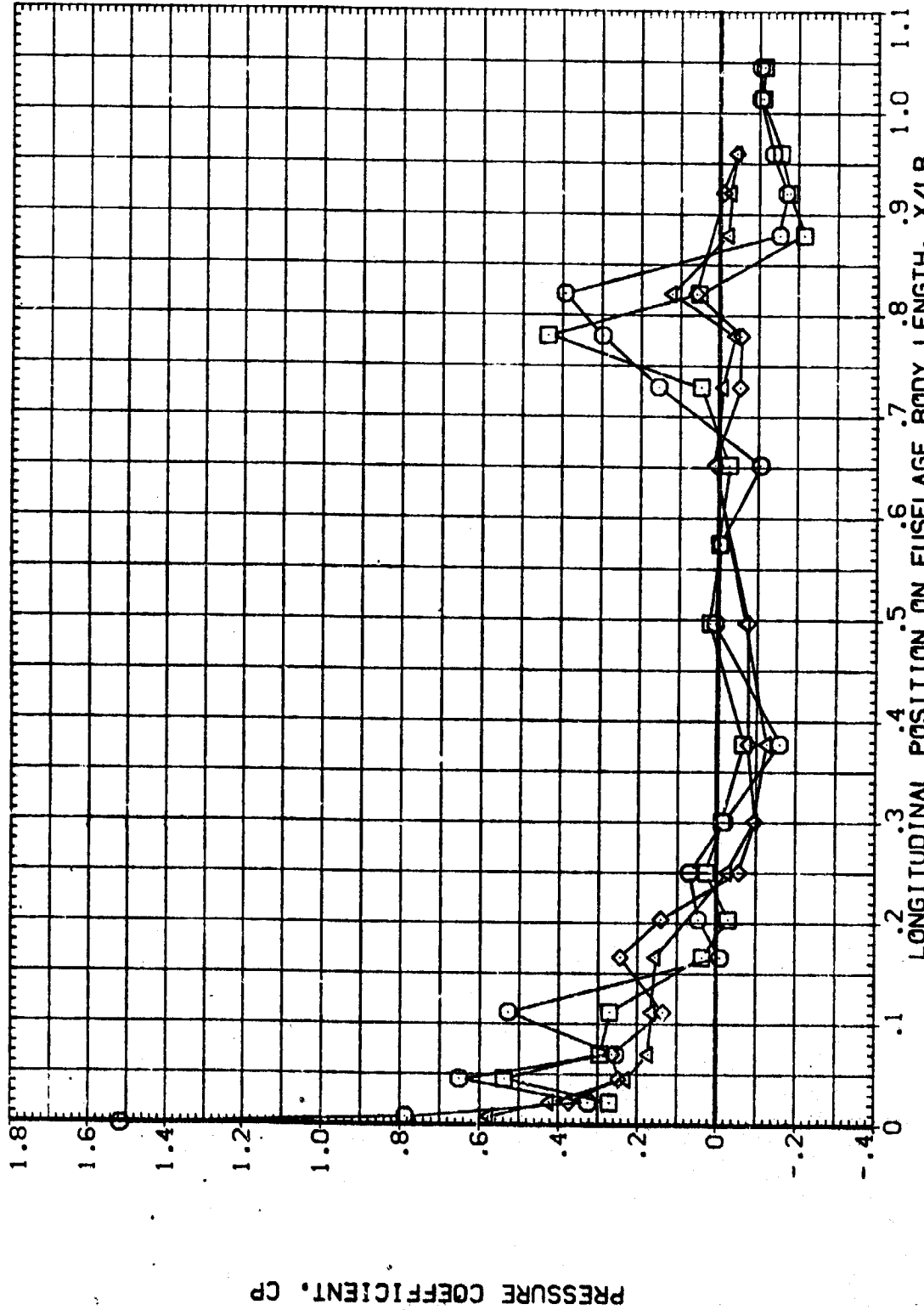


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL
 ○ 20.500
 □ 50.000
 ◇ 165.000
 △ 80.000

PHI
 20.500
 50.000
 165.000
 80.000

BETA 4.000
 ALPHA -4.000

MACH 2.000
 ELY-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELY-08 .000
 SPDBRK .000

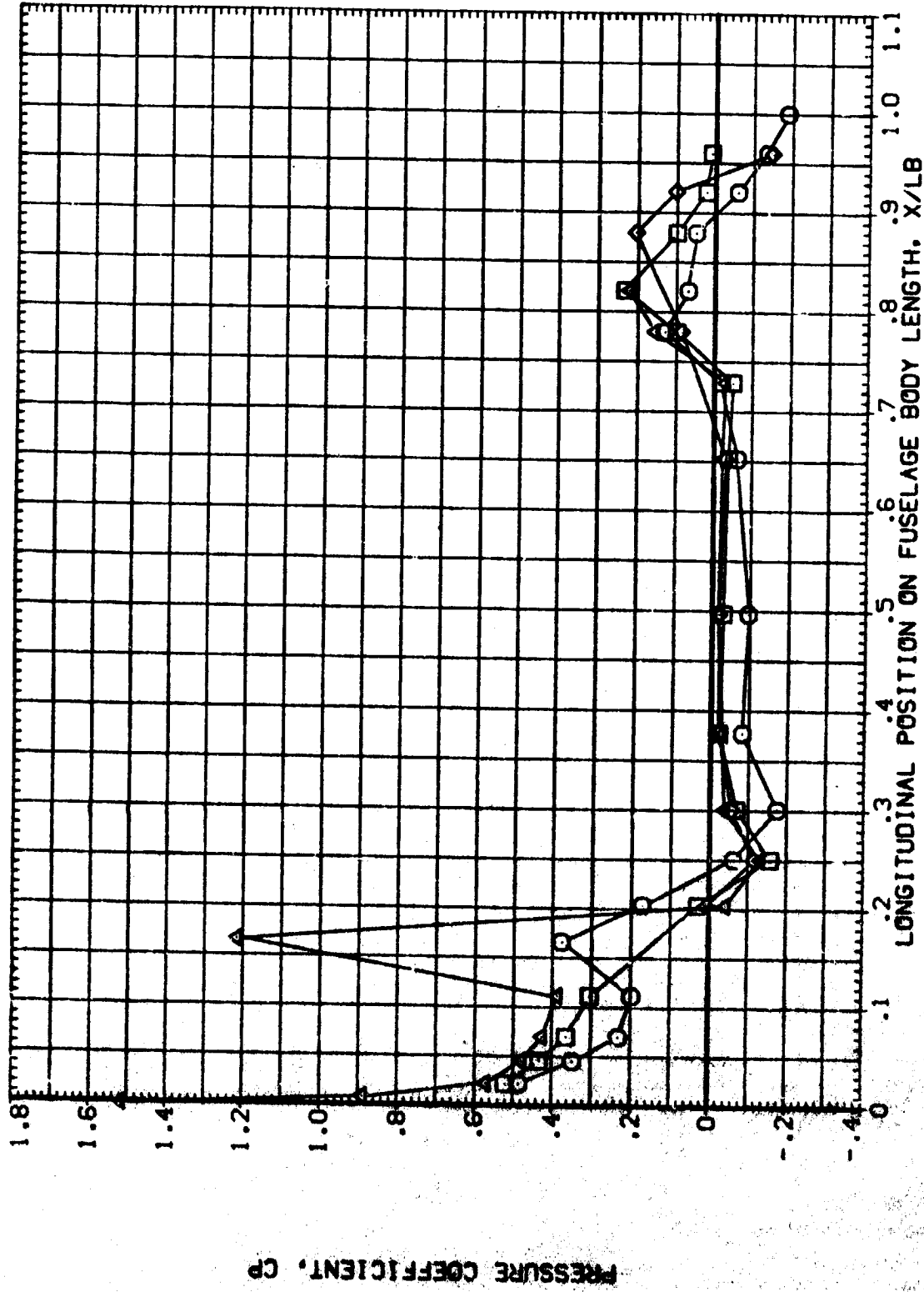


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PMI	BETA	ALPHA	MACH	ELV-IB	RUDDER	SPDBRK	PARAMETRIC VALUES
○	.000	-6.000	.000	2.000	.000	.000	.000	RN/FT
□	40.000							ELV-08
◇	70.000							SPDBRK
△	90.000							

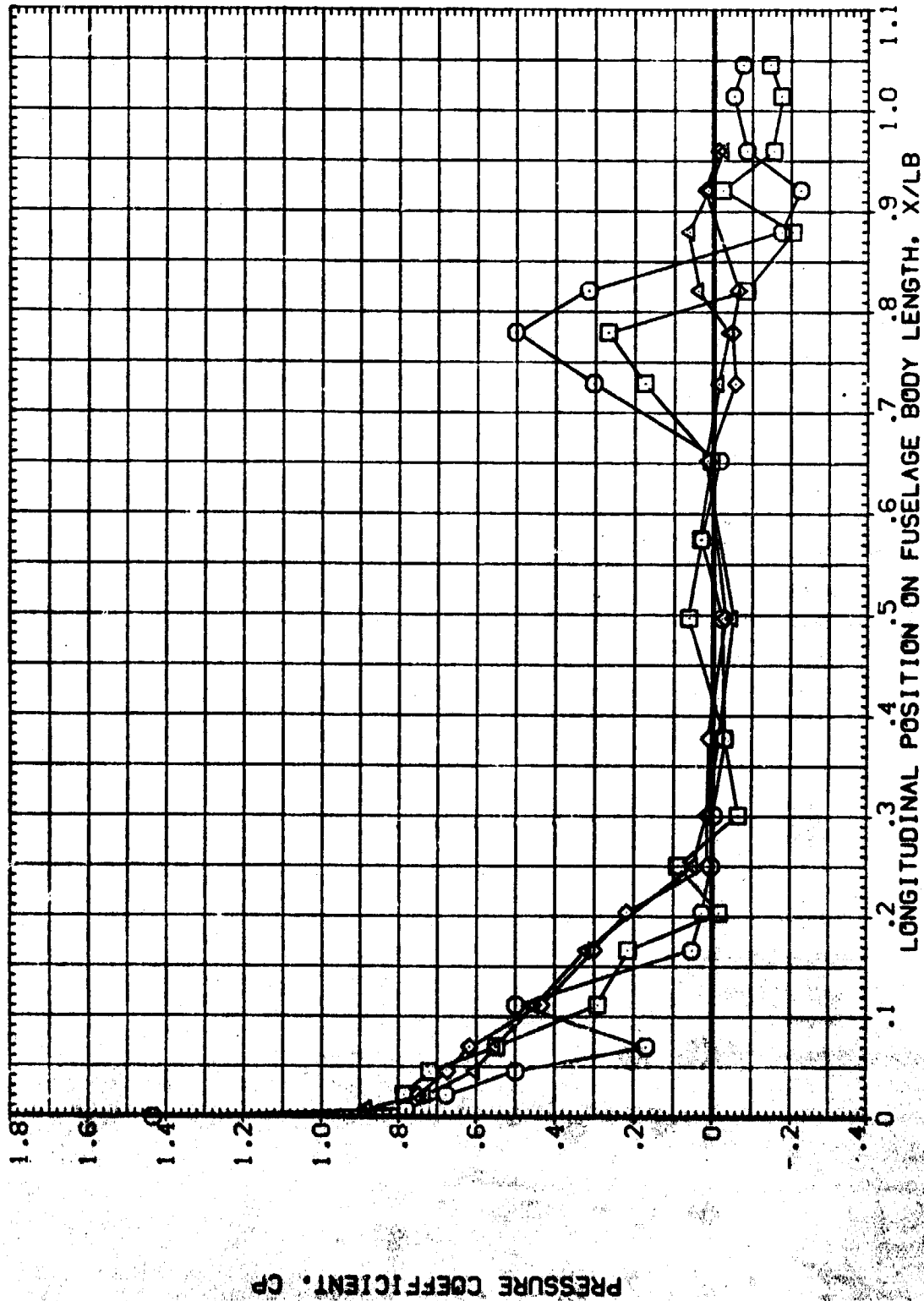


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (JETB40)

MACH 2.000
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 MACH 2.500
 RN/FT .000
 ELV-08 .000
 SPOBRK .000

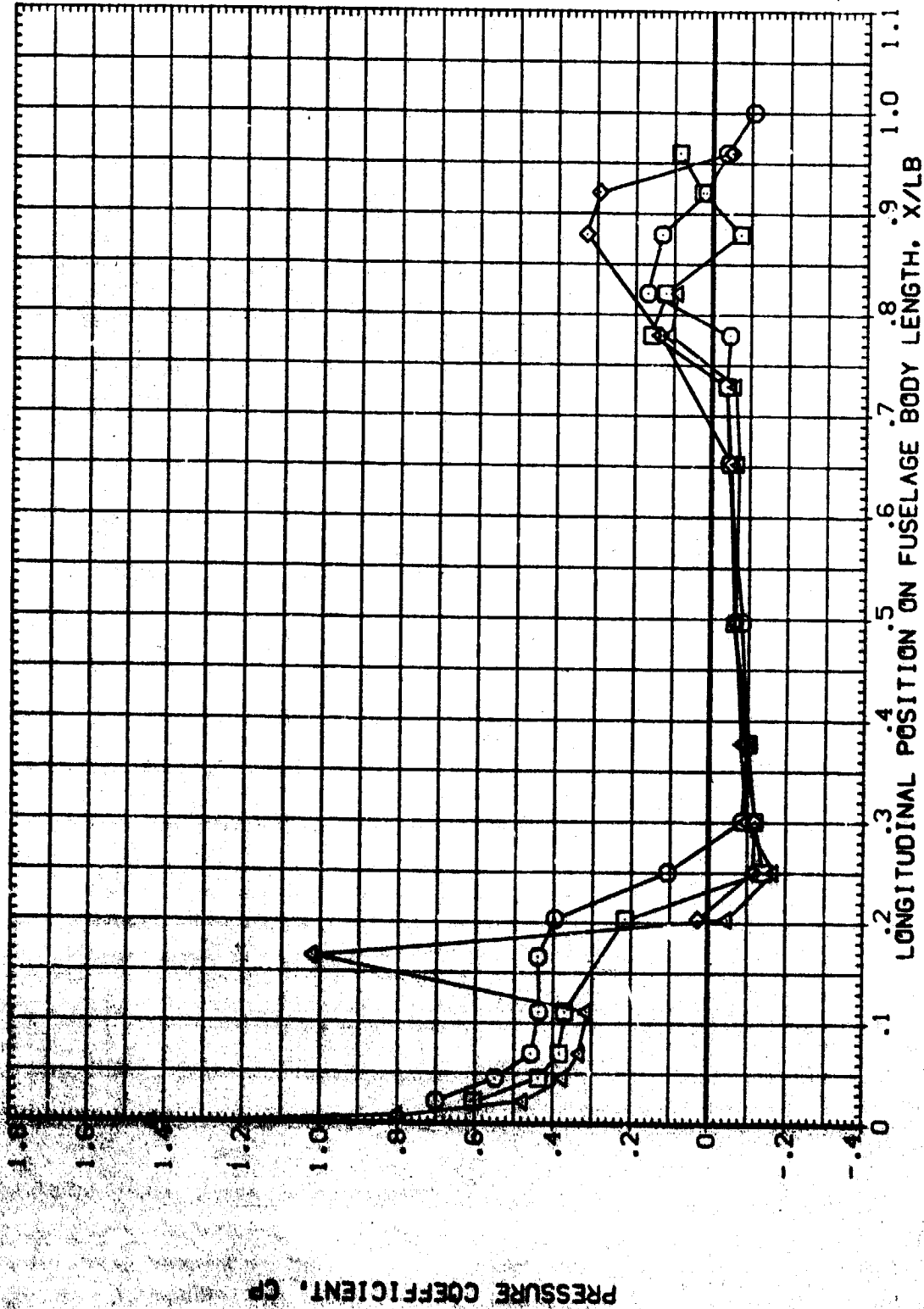


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PARAMETRIC VALUES	
MACH	2.500
ELV-IB	.000
RUDDER	.000
ELV-OB	.000
SPDBRK	.000

PHI	.000	BETA	-4.000	ALPHA	.000
40.000					
70.000					
90.000					

□ 180°
 ○ 40°
 ◇ 70°
 △ 90°

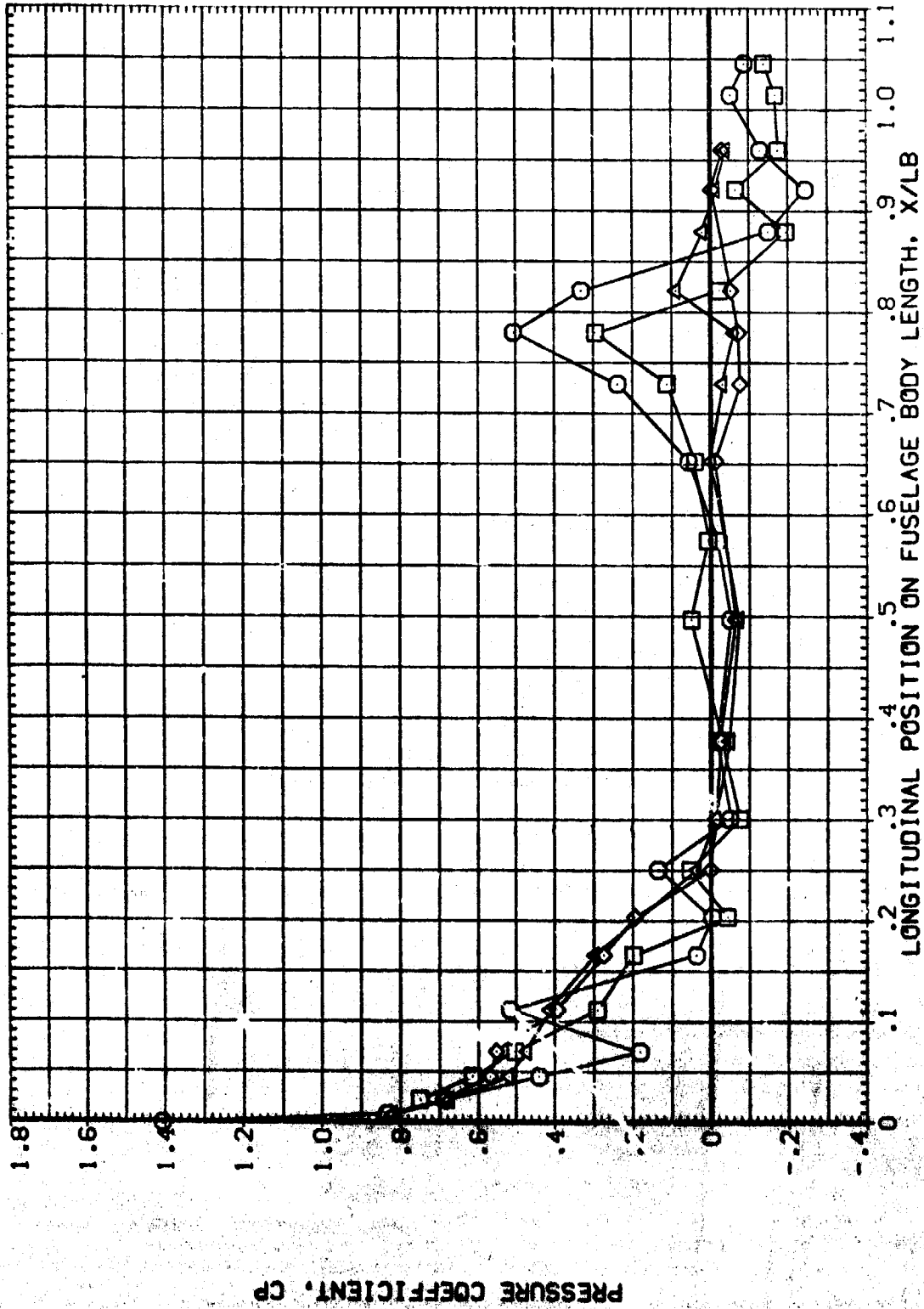


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-1B .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

PHI .29.000 ALPHA0 .000
 BETA0 -4.000
 STAGE1 :29.000
 STAGE2 :50.000
 STAGE3 :69.000
 STAGE4 :89.000

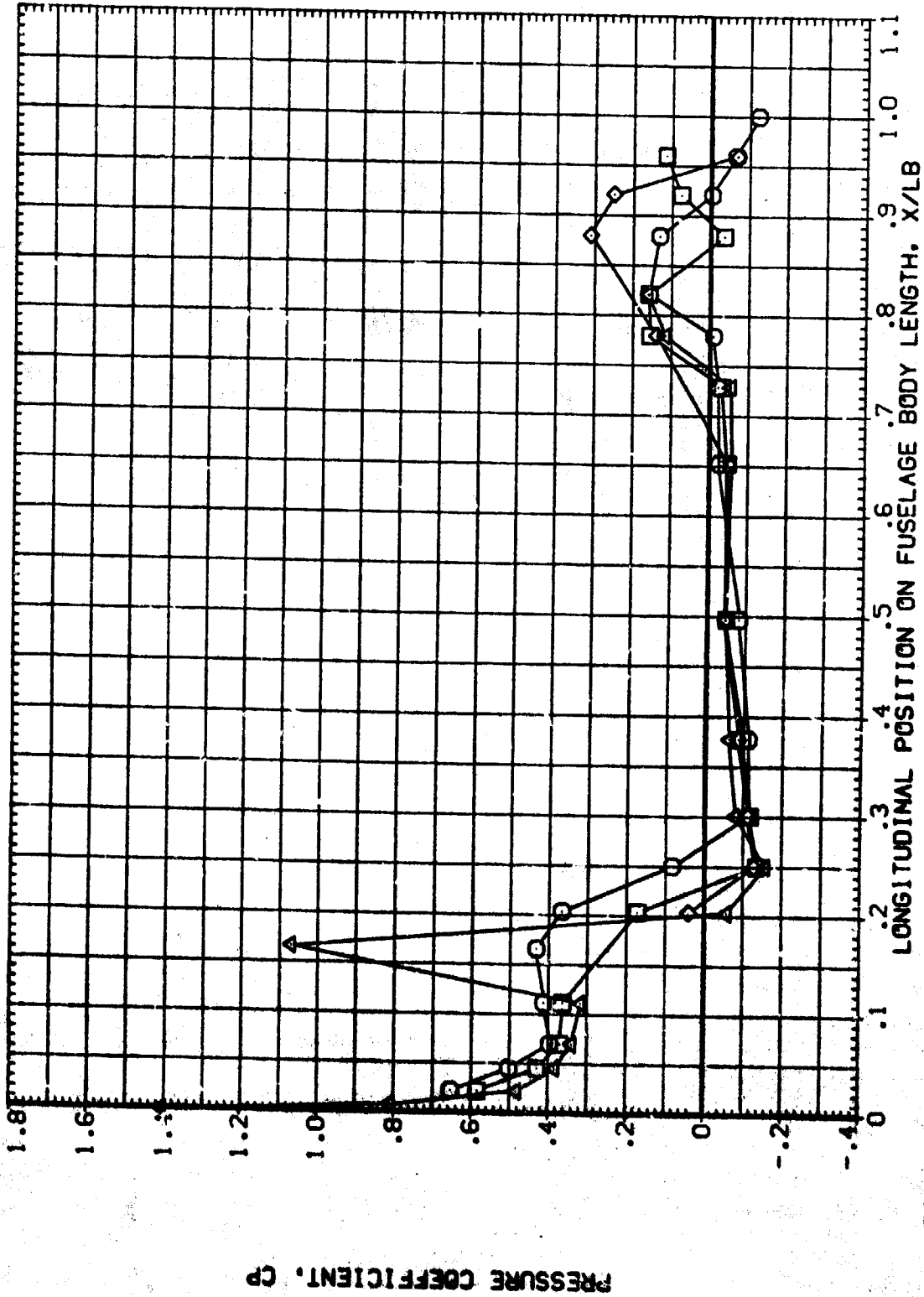


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PHI		BETA		ALPHA		PARAMETRIC VALUES			
0.000	.000	.000	.000	.000	.000	MACH	2.000	RN/FT	2.500
40.000	.000					ELV-1B	.000	ELV-OB	.000
70.000						RUDDER	.000	SPDBRK	.000
90.000									

SYMBOL
 ○
 □
 ◇
 △

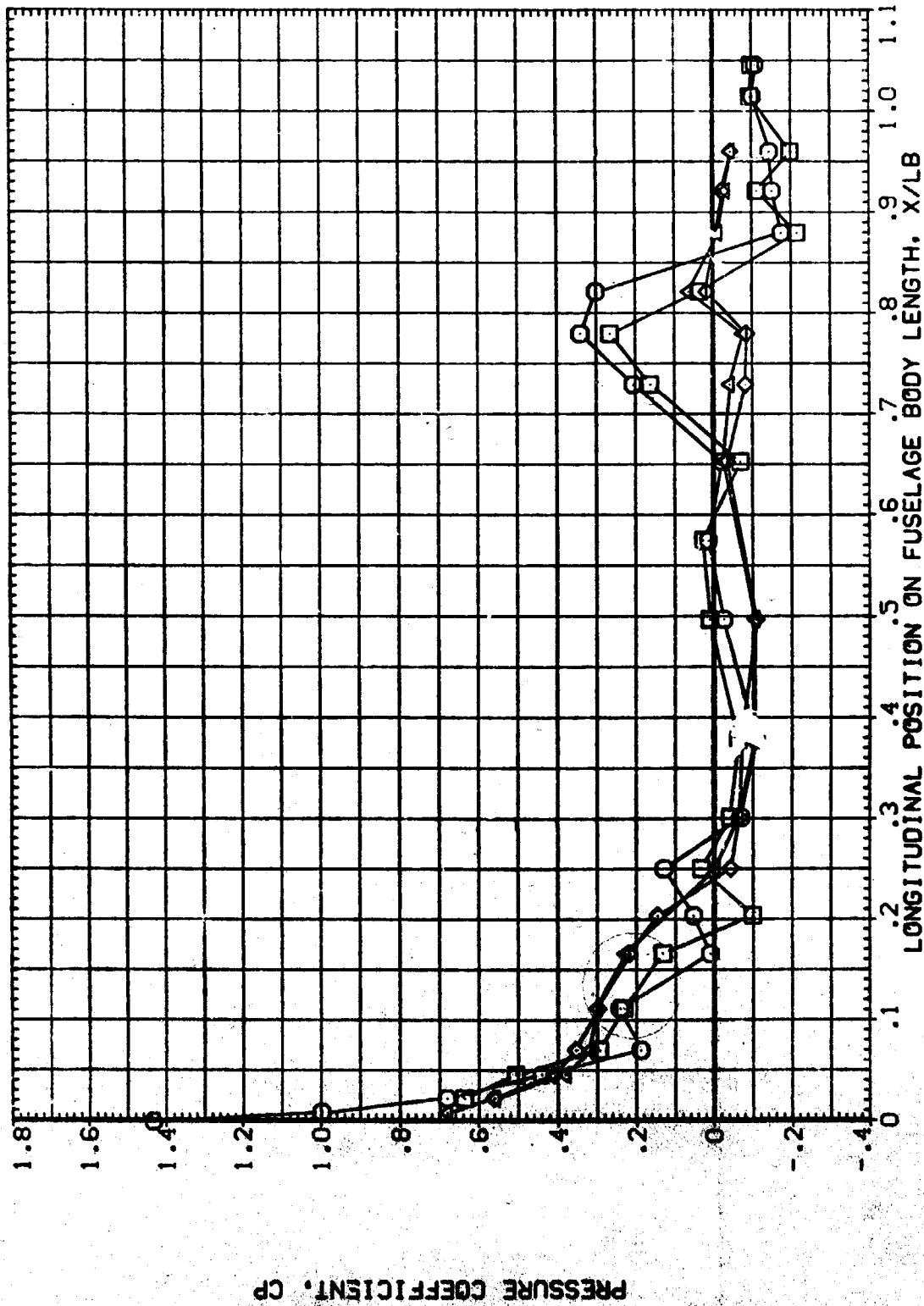


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	◇	20.000	.000	.000	MACH	2.000	RM/FT	2.500
□	△	50.000			ELV-OB	.000	ELV-OB	.000
		165.000			RUDDER	.000	SPDBRK	.000
		200.000						

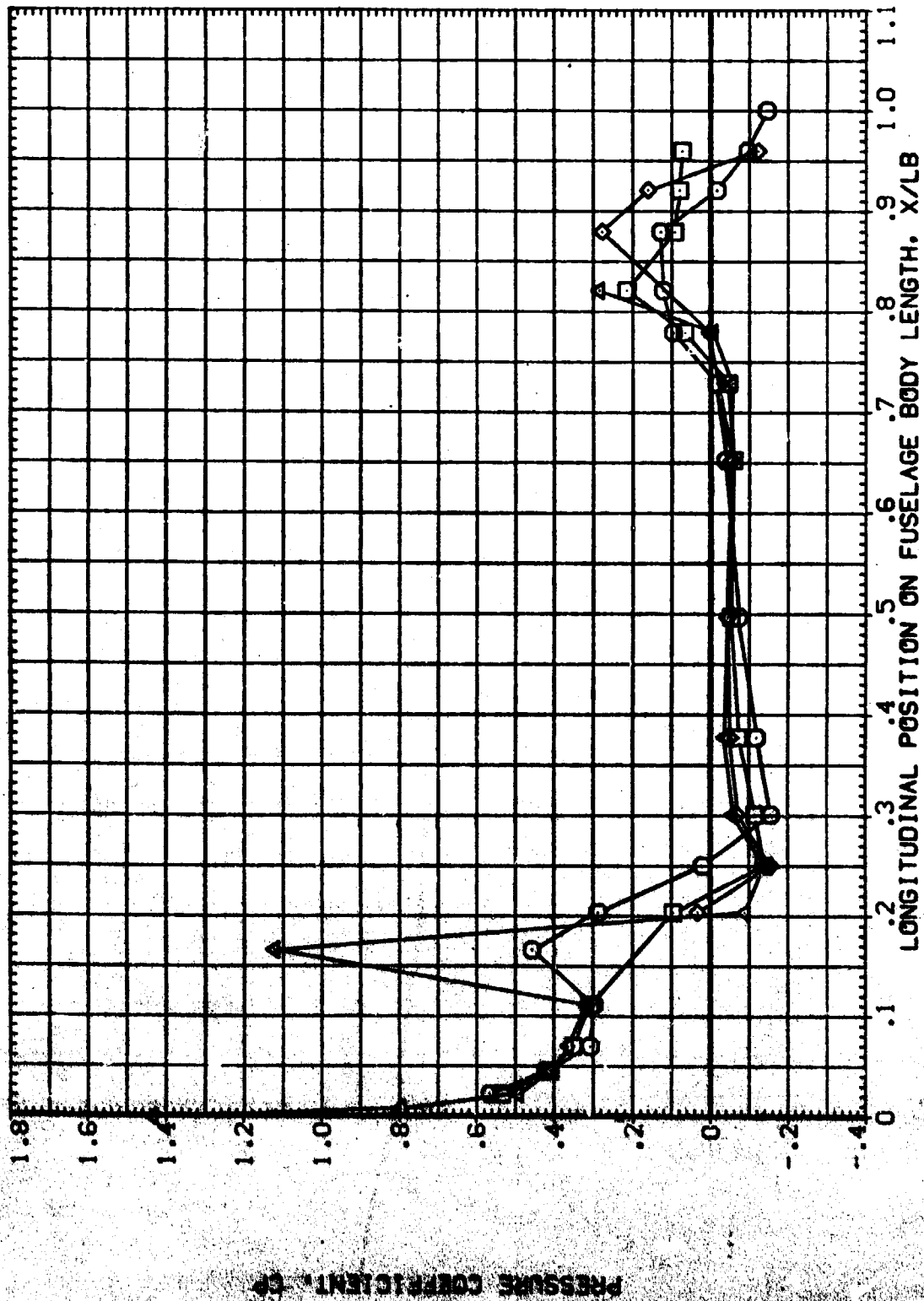


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	.000	ELV-18	2.000 RN/FT
□	40.000			RUDDER	.000 ELV-08
◇	70.000				.000 SPDBRK
△	90.000				.000

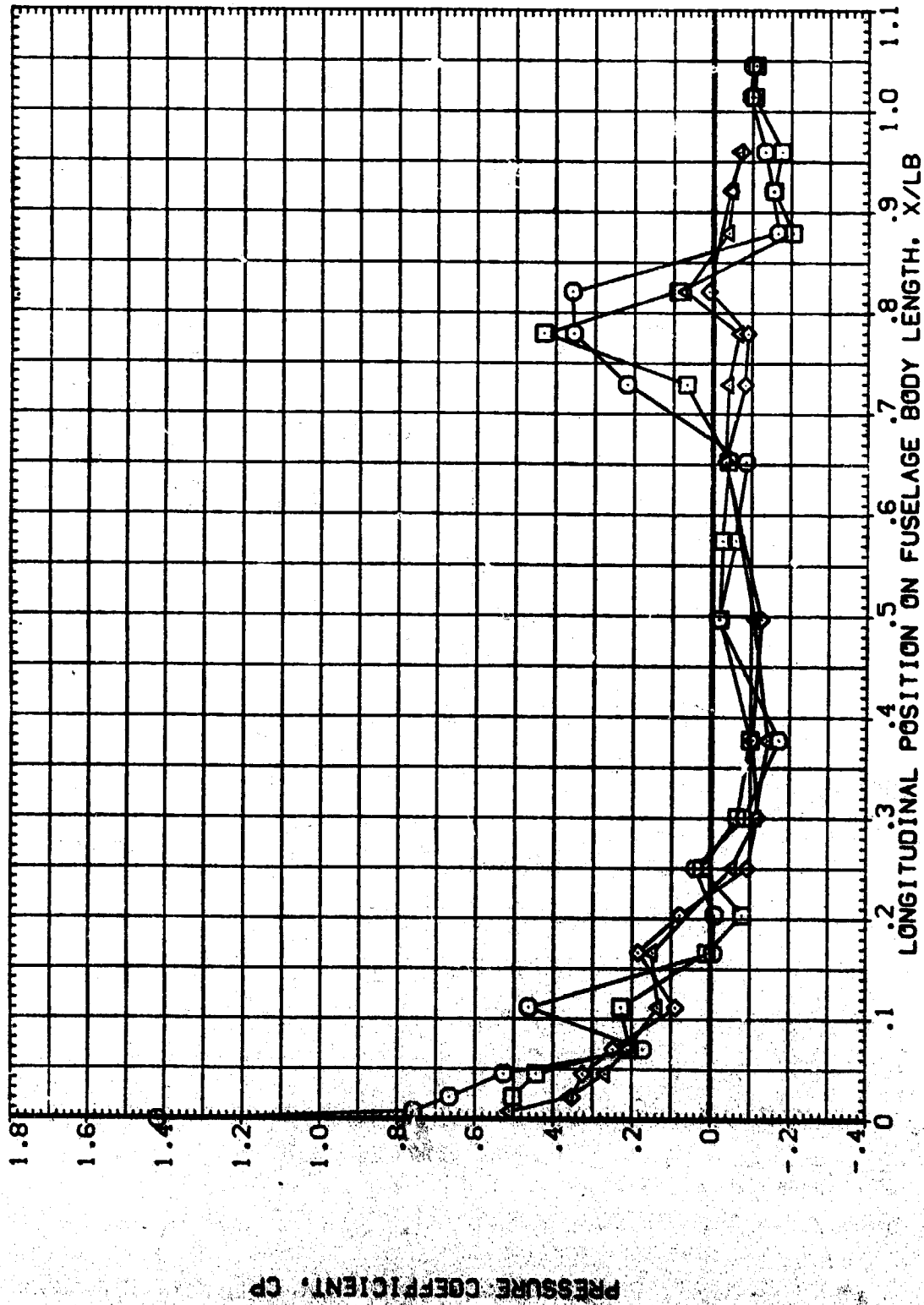


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA θ	ALPHA θ	MACH	PARAMETRIC VALUES
○	:20.000	4.000	.000	ELV-18	2.000 RN/FT
□	:50.000			RUDDER	.000 ELV-OB
◇	:100.000				.000 SPDBRK
△	:80.000				.000

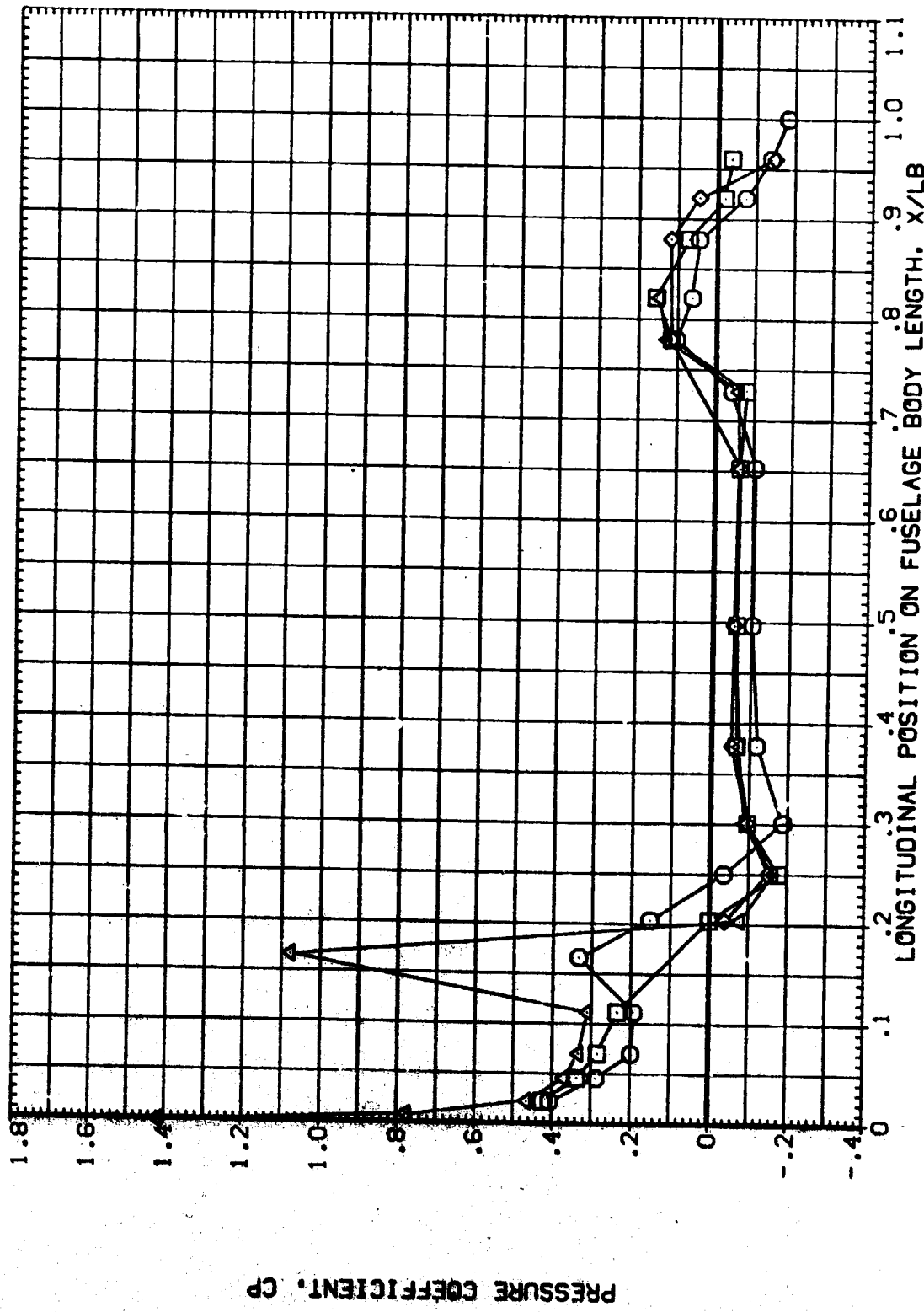


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PHI	BETAD	ALPHAD	MACH	PARAMETRIC VALUES
.000	6.000	.000	ELV-18	2.000
40.000			RUDDER	.000
70.000				RN/FT
90.000				ELV-OB
				SPDBRK
				.000

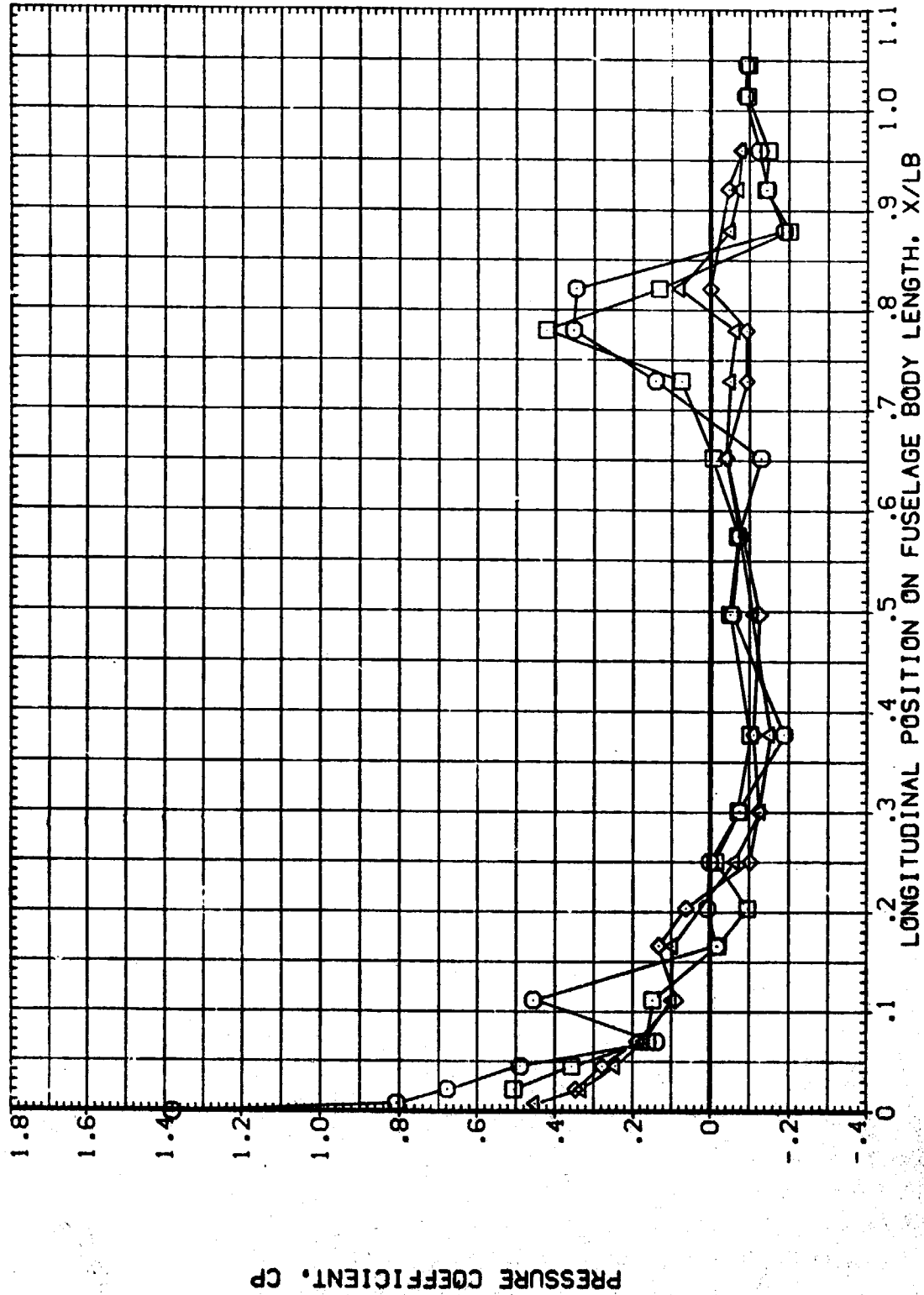


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IET840)

SYMBOL	PMI	BETA0	ALPHA0	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	:20.000	6.000	.000	2.000	RN/FT	2.500	
□	:50.000			.000	ELV-08	.000	
◇	:85.000			.000	SPDBRK	.000	
△	:80.000						

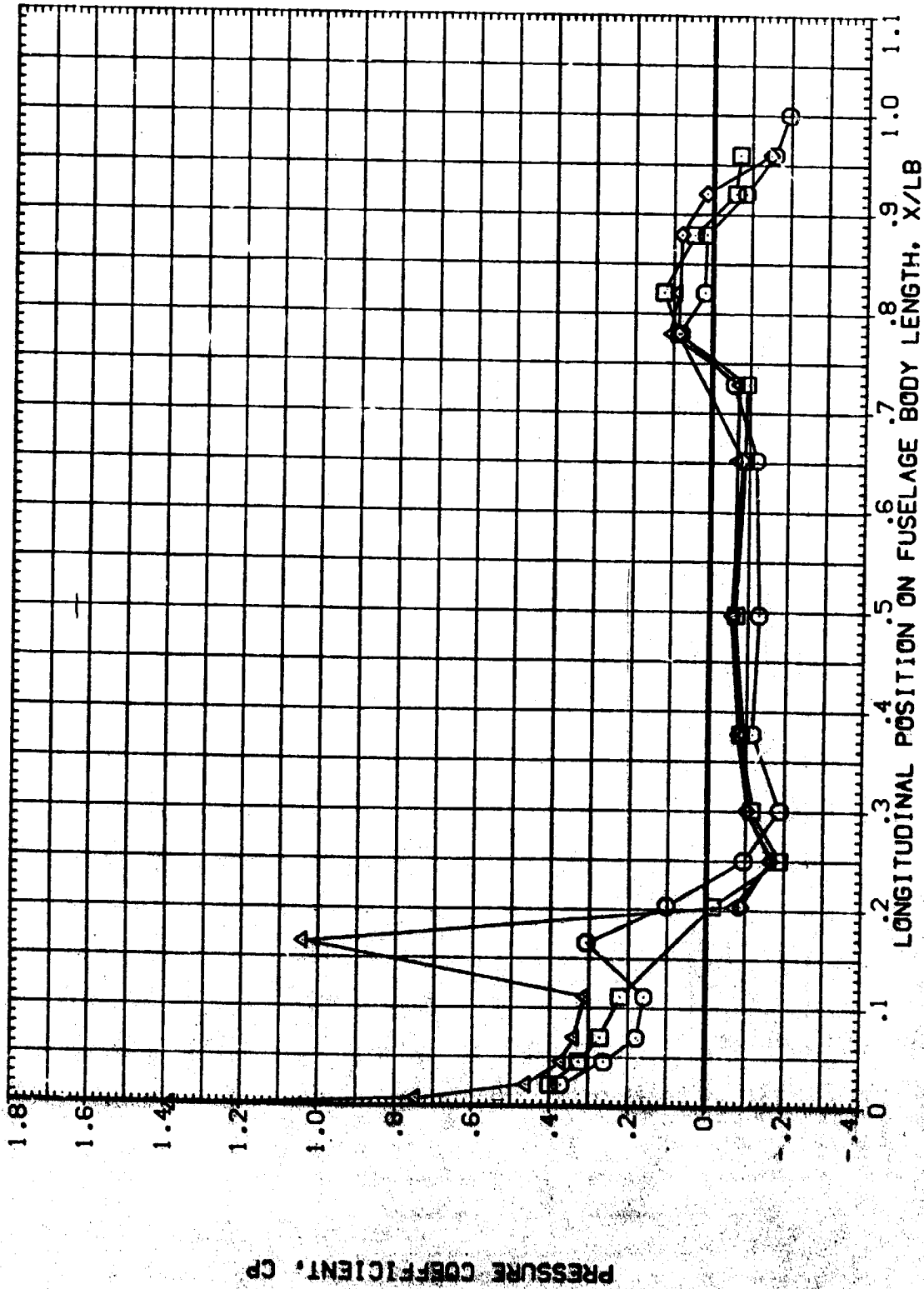


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

PHI	BETA	ALPHA	PARAMETRIC VALUES			
.000	-4.000	4.000	MACH	2.000	RN/FT	2.500
40.000			ELV-18	.000	ELV-08	.000
70.000			RUDDER	.000	SPDBRK	.000
90.000						

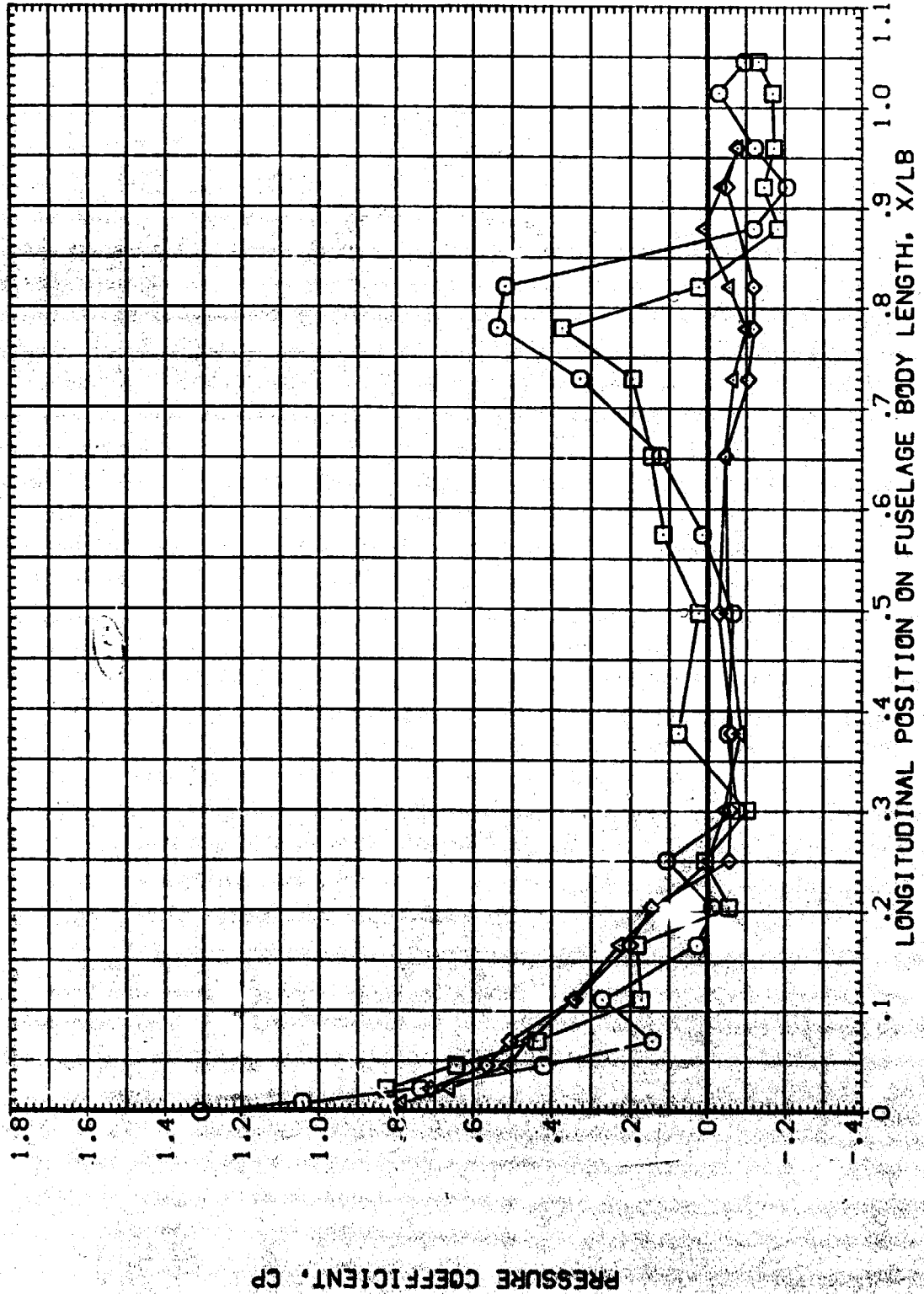


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP[ALLHL SEALED] ORB. FUSELAGE (IETB40)

SYMBOL PHI BETA ALPHA
 ○ 20.000 -4.000 4.000
 □ 150.000
 ◇ 165.000
 △ 180.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

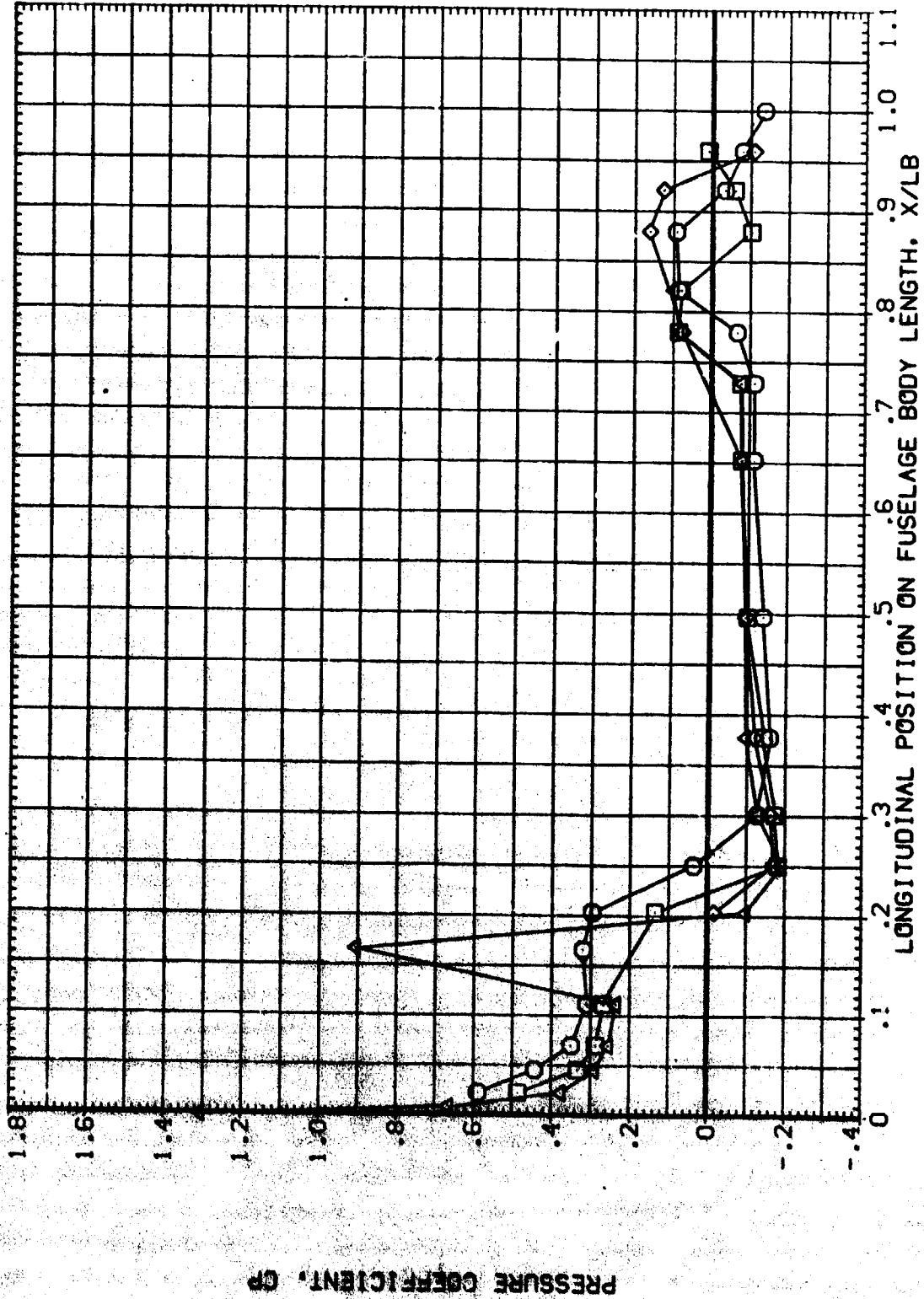


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON 1/0 = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES
○	.000	.000	4.000	2.000	RN/FT		2.500
□	40.000			.000	ELV-OB		.000
◇	70.000			.000	SPDBRK		.000
△	90.000						

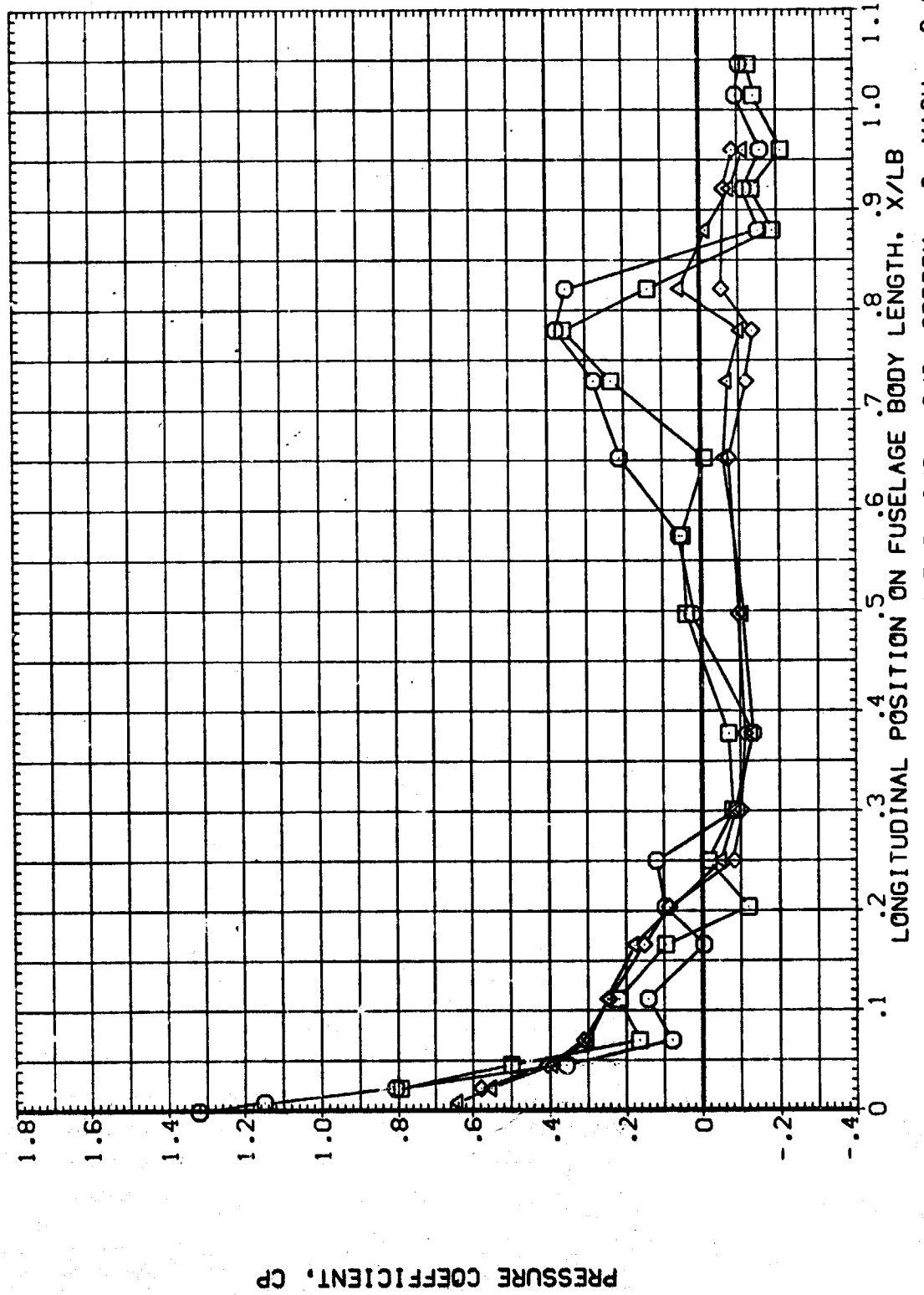


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARCS7 019 IA81 LVAP[ALLHL SEALED] ORB. FUSELAGE (IETB40)

PARAMETRIC VALUES
 MACH 2.000 RV/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

PHI .20.000 ALPHAD 4.000
 BETA 0.000

SYMBOL
 ○
 □
 ◇
 △

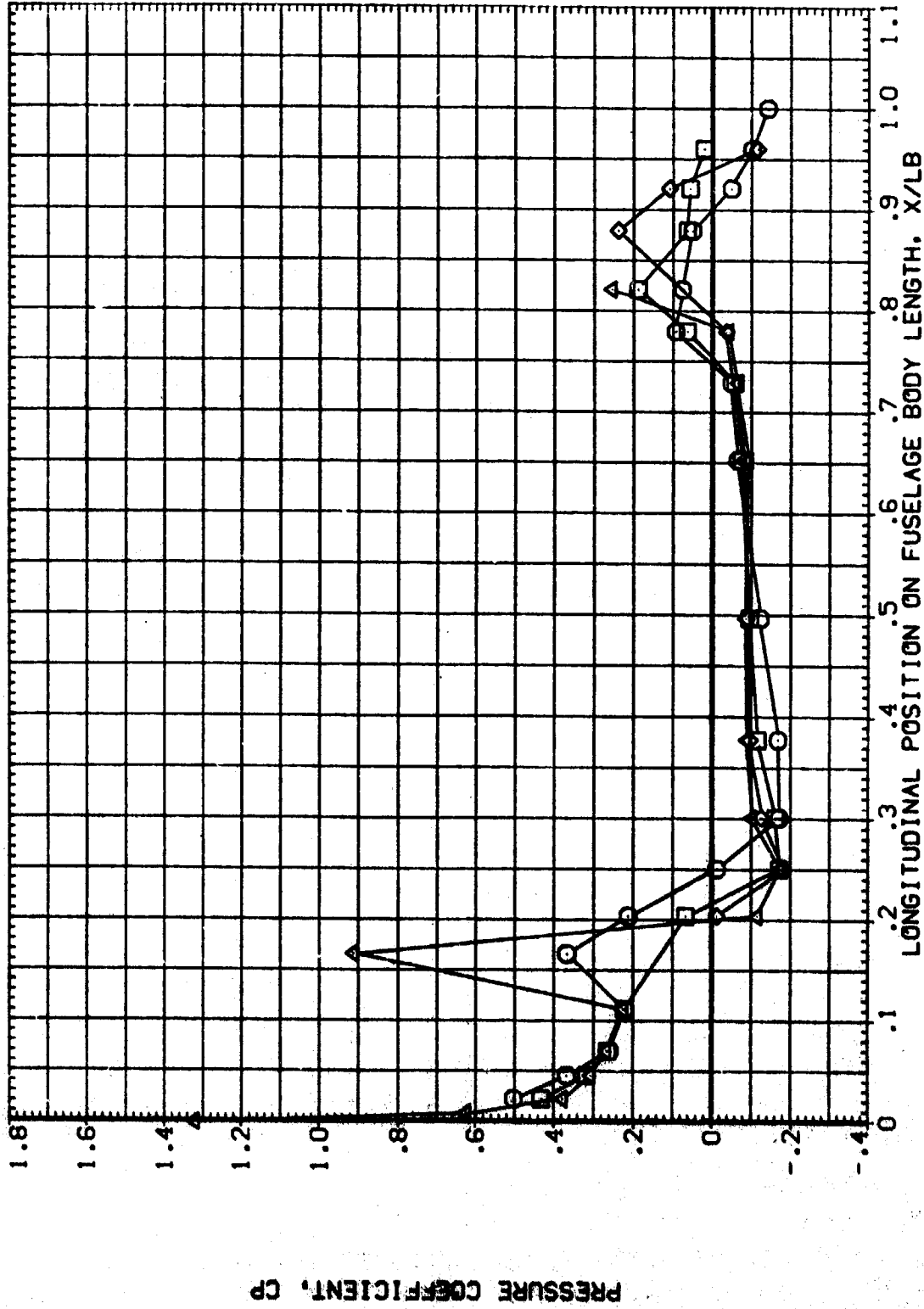


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-18	2.000 RN/FT
◇	40.000			RUDDER	.000 ELV-08
□	70.000				.000 SPDBRK
△	90.000				.000

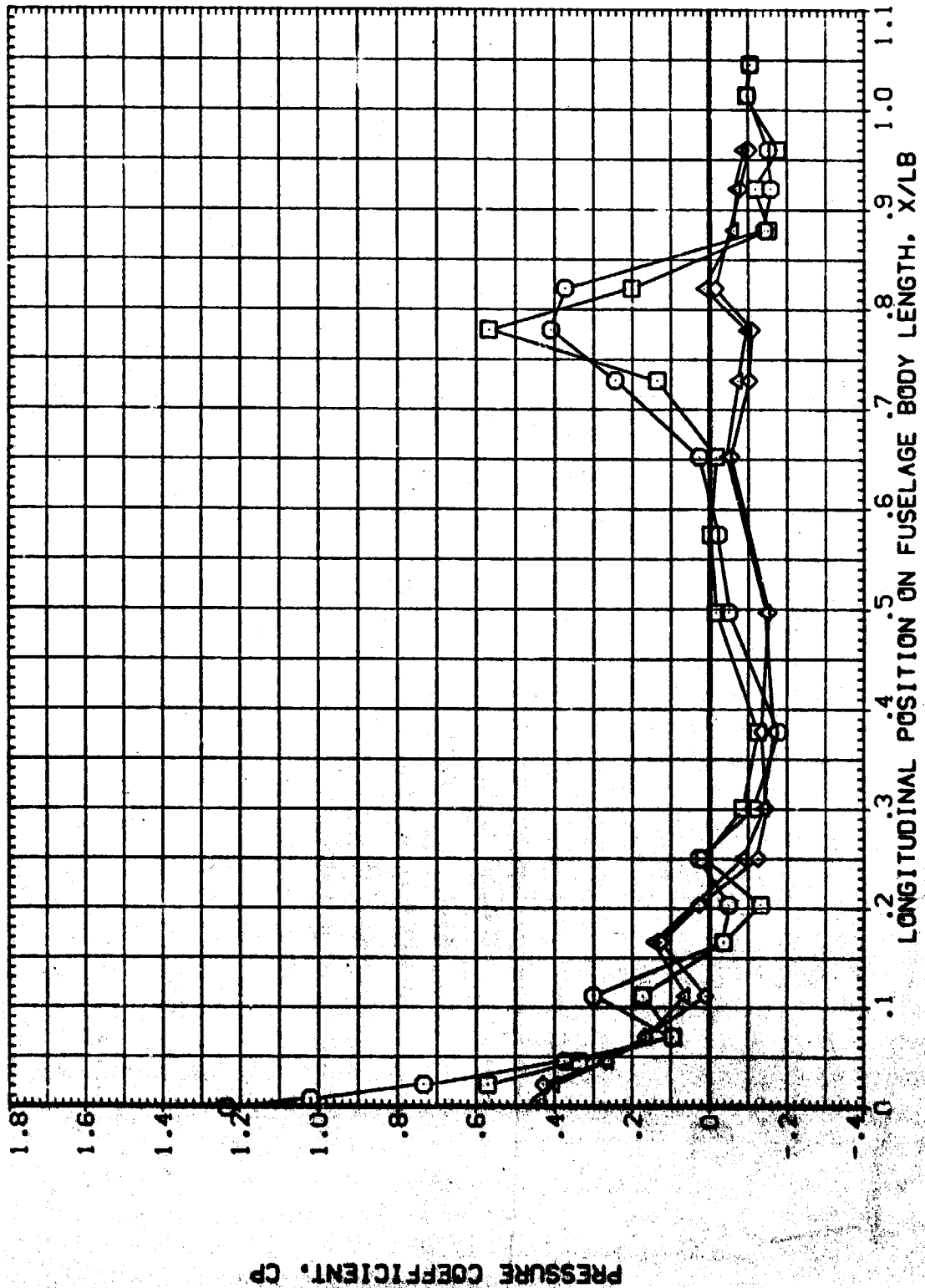


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL:
 ○ 20,000
 □ 30,000
 ◇ 100,000
 △ 200,000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

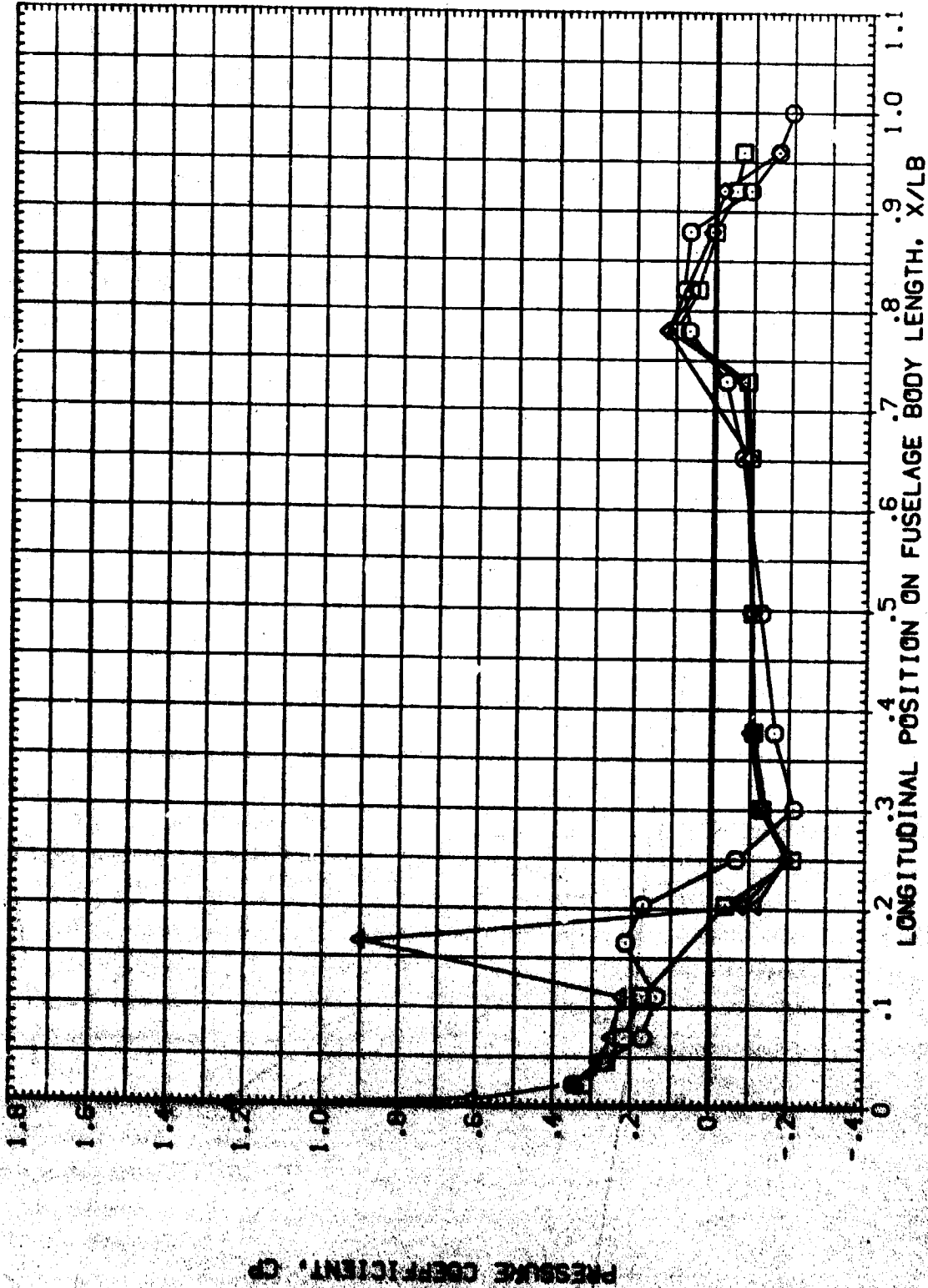


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL		PHI	BETA θ	ALPHA θ	PARAMETRIC VALUES			
○	□	.000	.000	6.000	MACH	2.000	RN/FT	2.500
◇	△	40.000			ELV-18	.000	ELV-08	.000
		70.000			RUDDER	.000	SPOBRK	.000
		90.000						

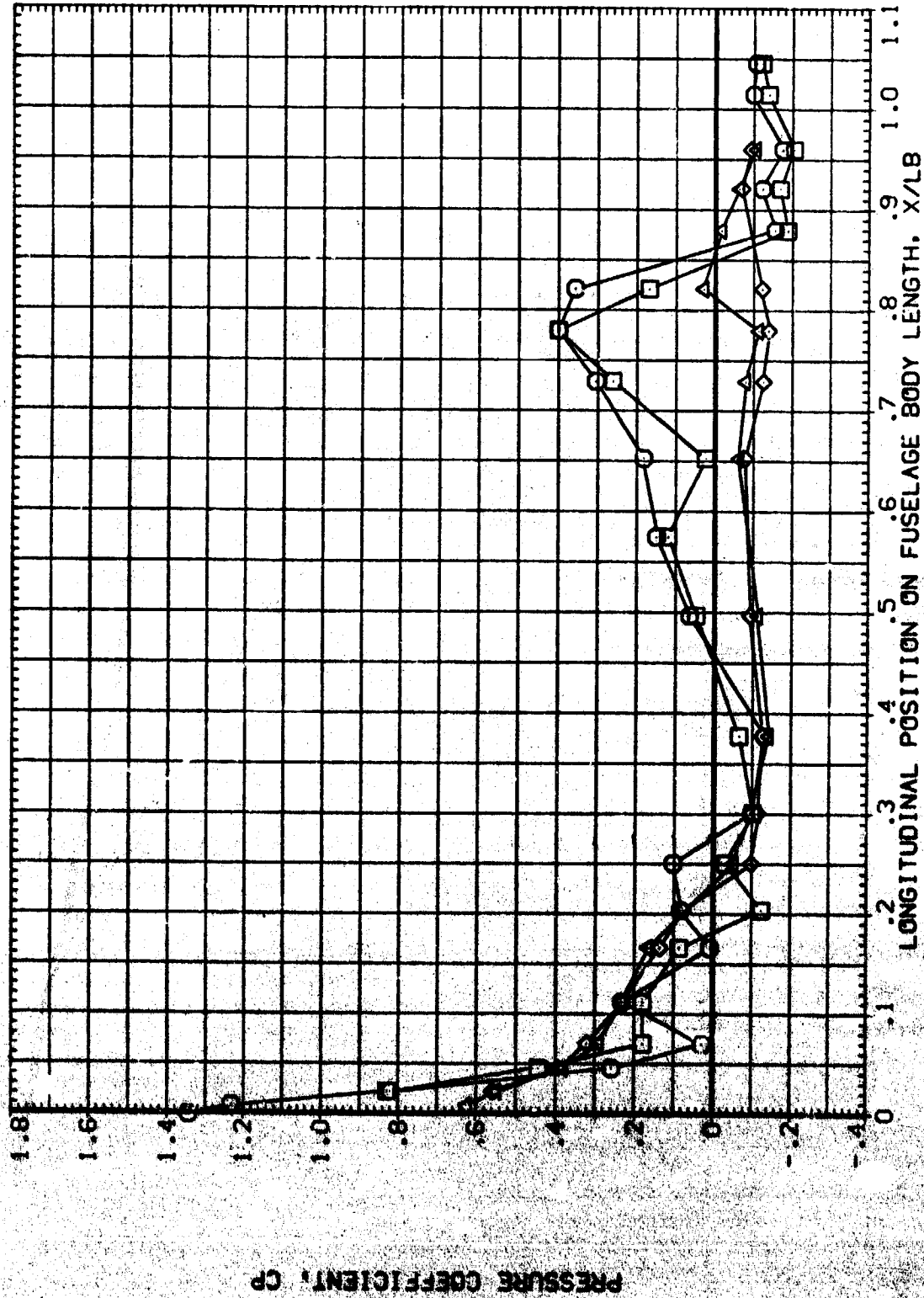


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB40)

SYMBOL:
 ○ 120,000
 □ 150,000
 △ 165,000
 ● 180,000

PARAMETRIC VALUES
 MACH 2.000
 ELV-18 .000
 RUDDER .000
 RW/FT 2.500
 ELV-08 .000
 SPDBRK .000

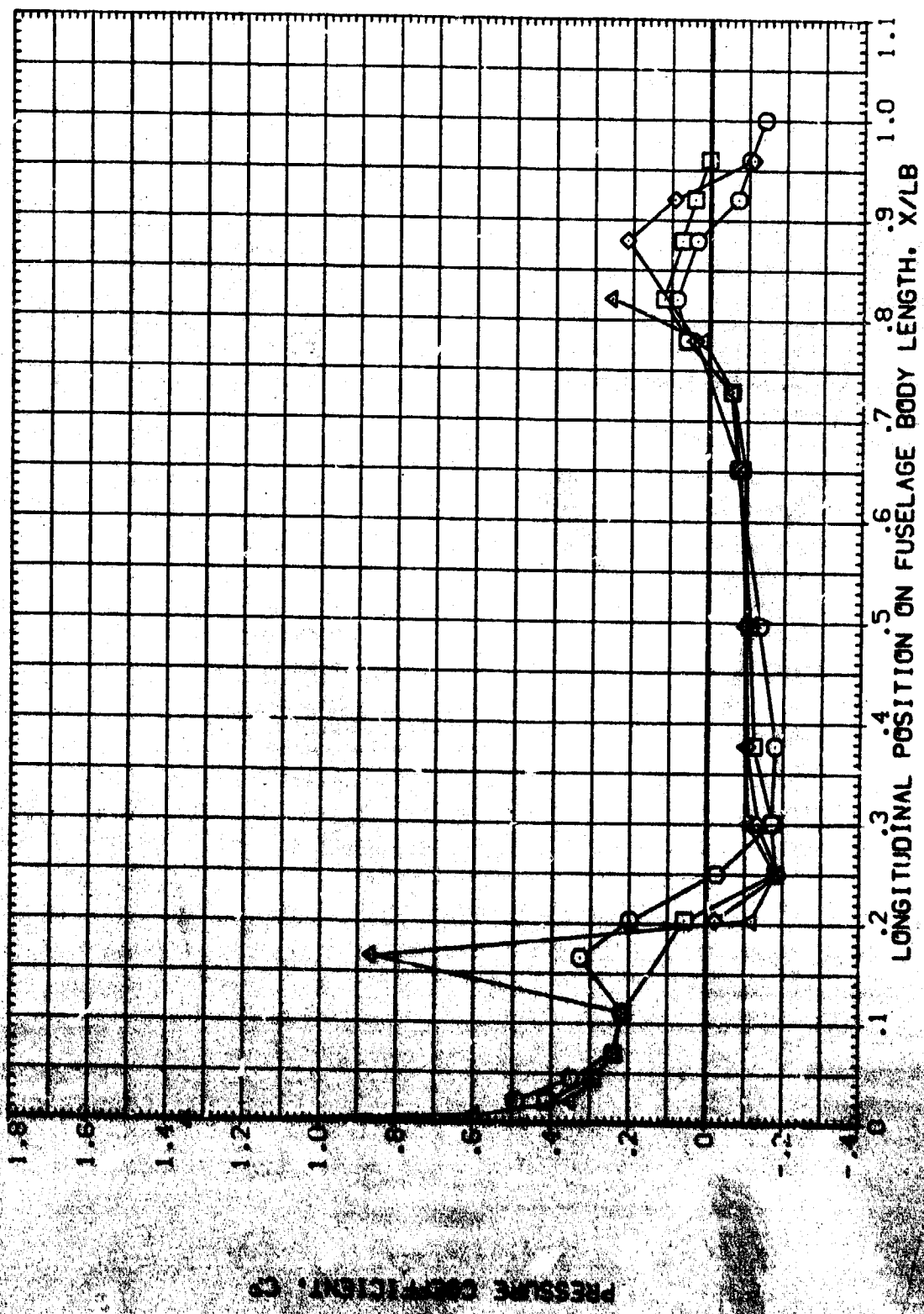


FIG. 46 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 1A81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-18	2.200 RN/FT
□	40.000			RUDDER	.000 ELV-08
◇	70.000				.000 SPOBRK
△	90.000				.000

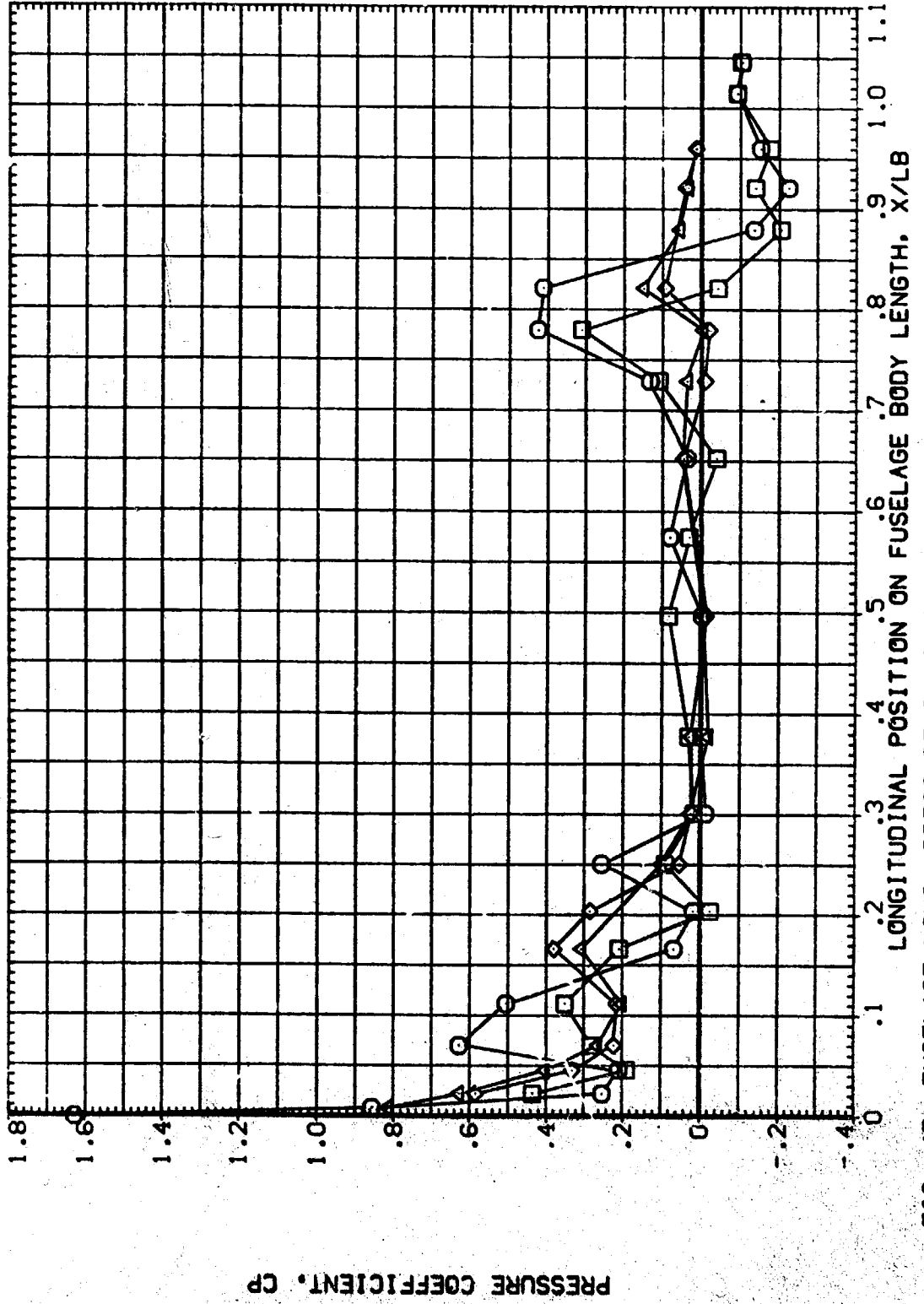


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL		PHI	BETA θ	ALPHA θ	PARAMETRIC VALUES			
○		20.000	.000	-6.000	MACH	2.200	RN/FT	2.500
□		50.000			ELV-IB	.000	ELV-OB	.000
◇		165.000			RUDDER	.000	SPOBRK	.000
△		80.000						

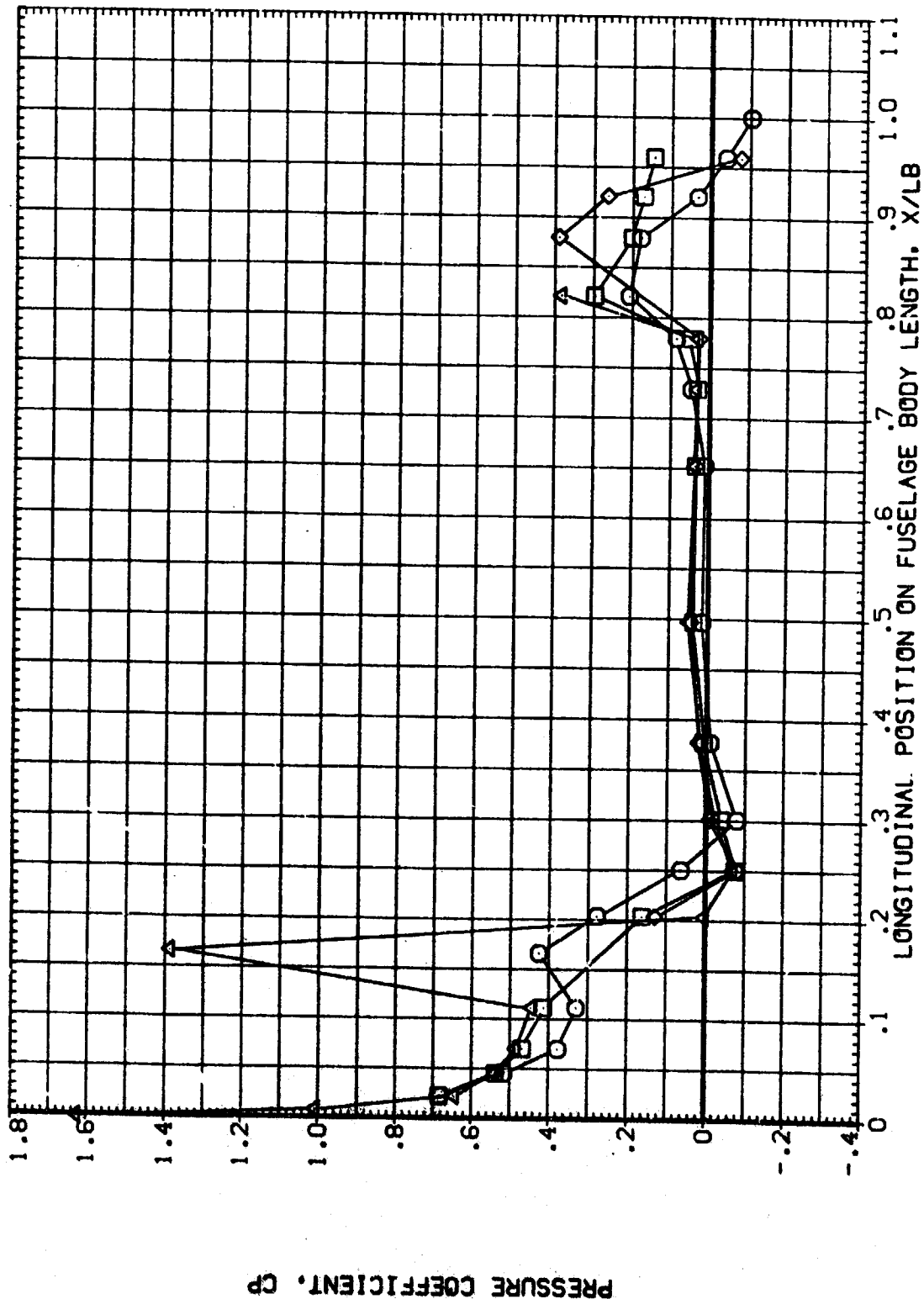


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBL	PHI	BETA	ALPHA	PARAMETRIC VALUES			
				MACH	ELV-18	RN/FT	ELV-08
○	.000	-4.000	-4.000	2.200	.000	2.500	.000
□	40.000			.000	.000		.000
◇	70.000			.000	.000		.000
△	90.000						.000

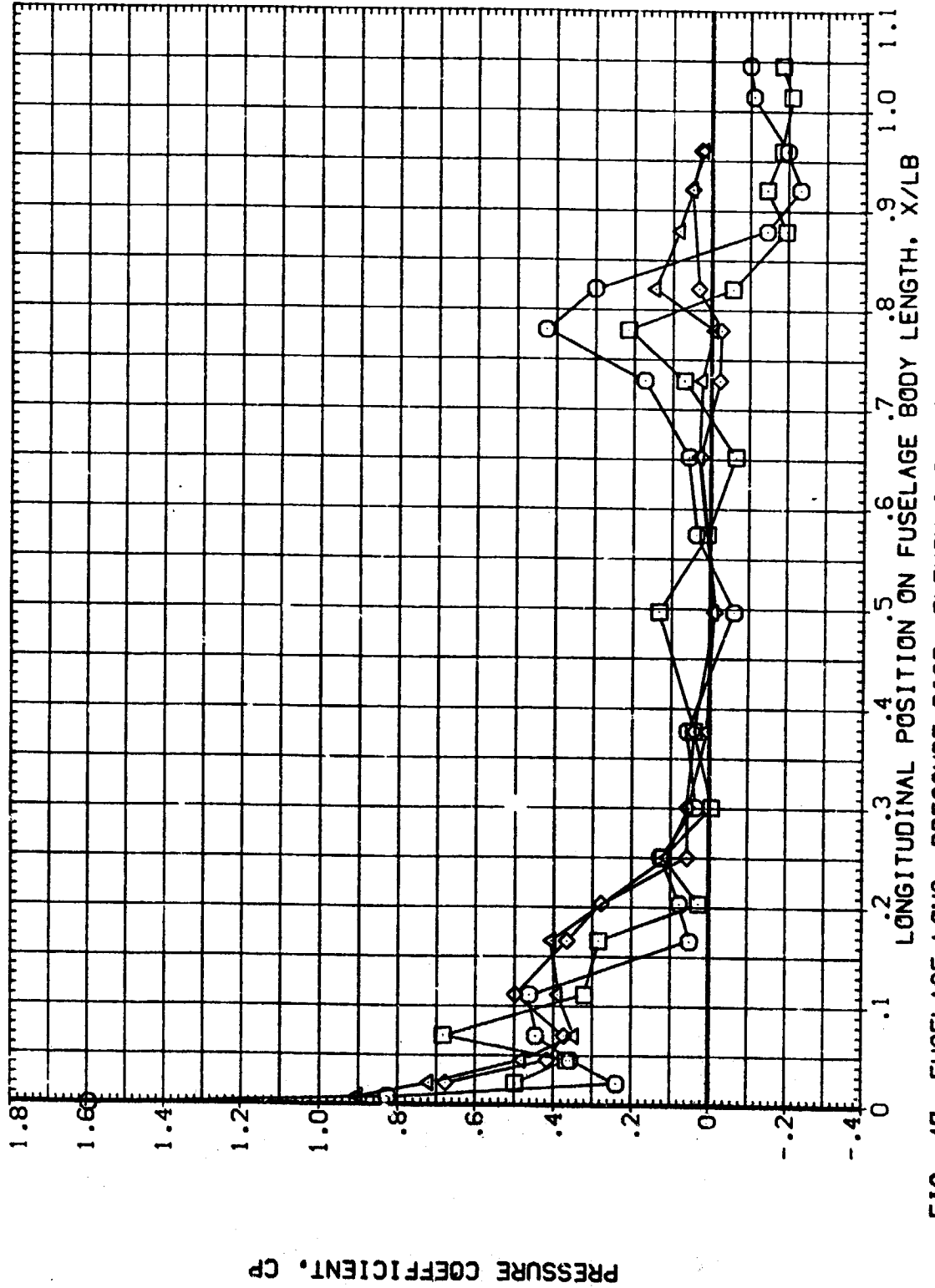


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

PHI 20.000 ALPHA0 -4.000
 50.000
 165.000
 80.000

SYMBOL
 ○
 □
 ◇
 △

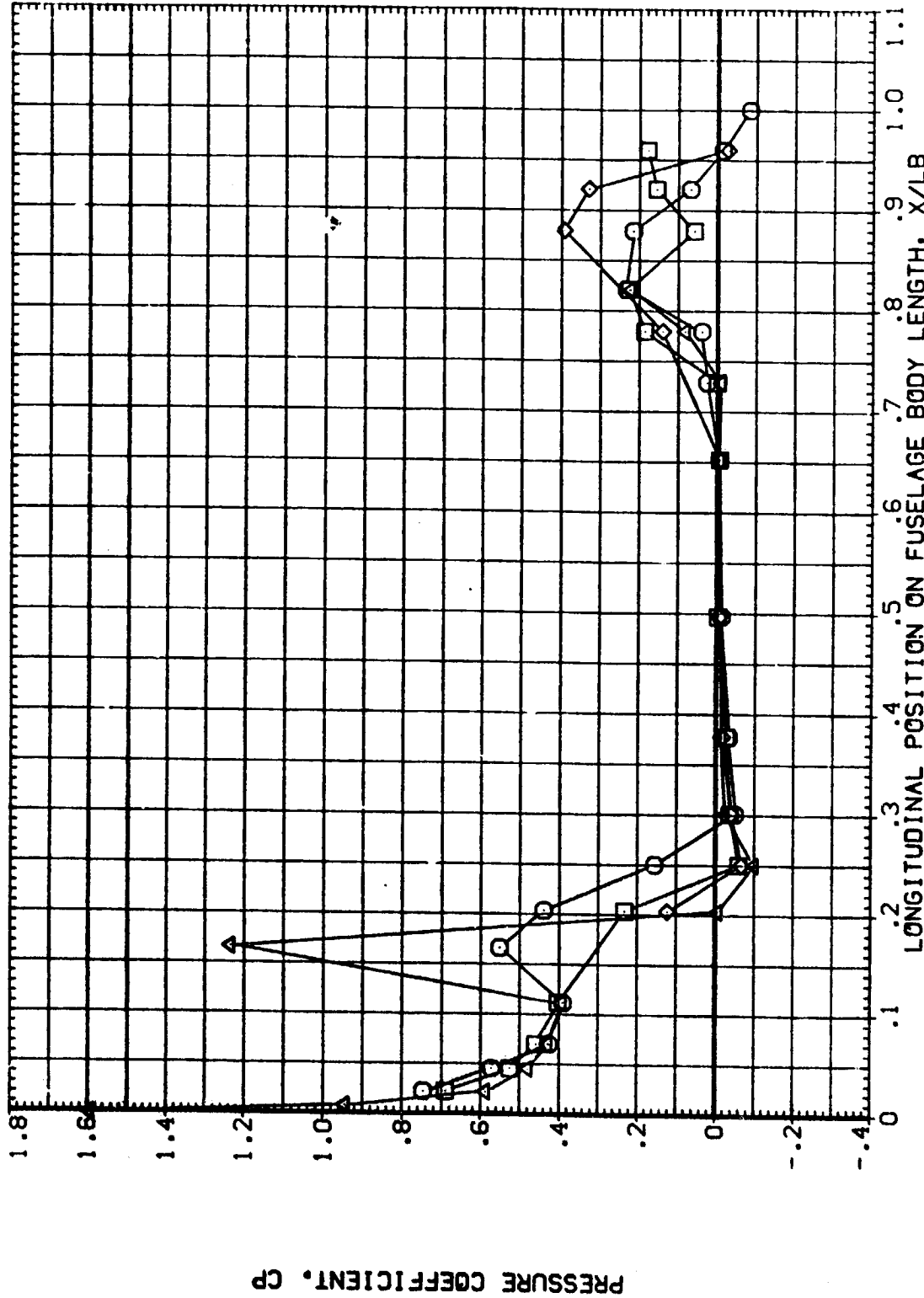


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL		PHI		BETA		ALPHA		PARAMETRIC VALUES					
○	□	.000	.000	.000	.000	.000	.000	2.200	2.500	MACH	2.500	RN/FT	2.500
○	□	40.000	70.000	70.000	90.000	40.000	70.000	.000	.000	ELV-OB	.000	ELV-OB	.000
◇	△	70.000	90.000	90.000		90.000		.000	.000	RUDDER	.000	SPDBRK	.000

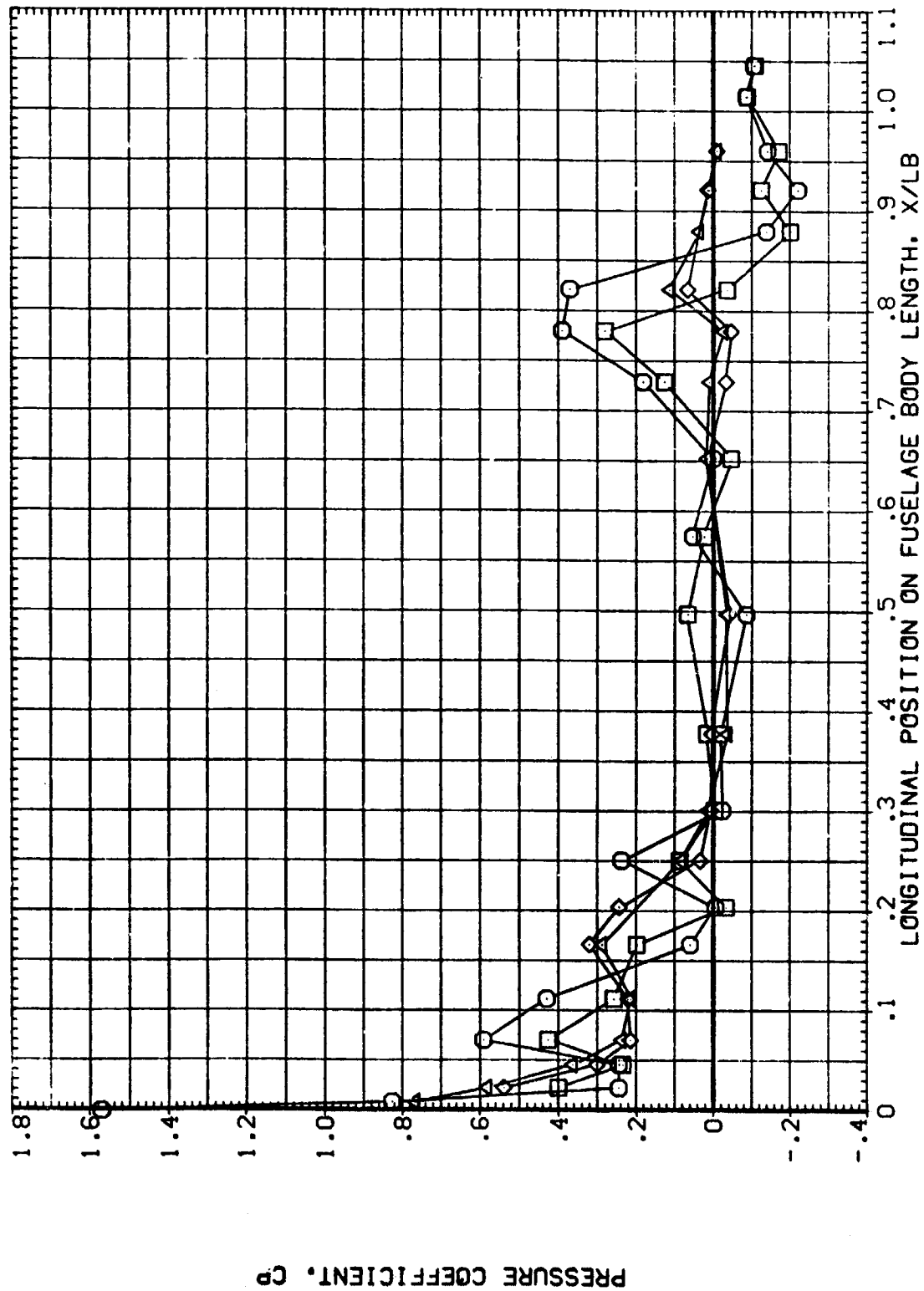


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETR41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:20.000	.000	-4.000	ELV-1B	2.200 RN/FT 2.500
□	:50.000			RUDDER	.000 ELV-0B .000
◇	:65.000				.000 SPDBRK .000
△	:80.000				

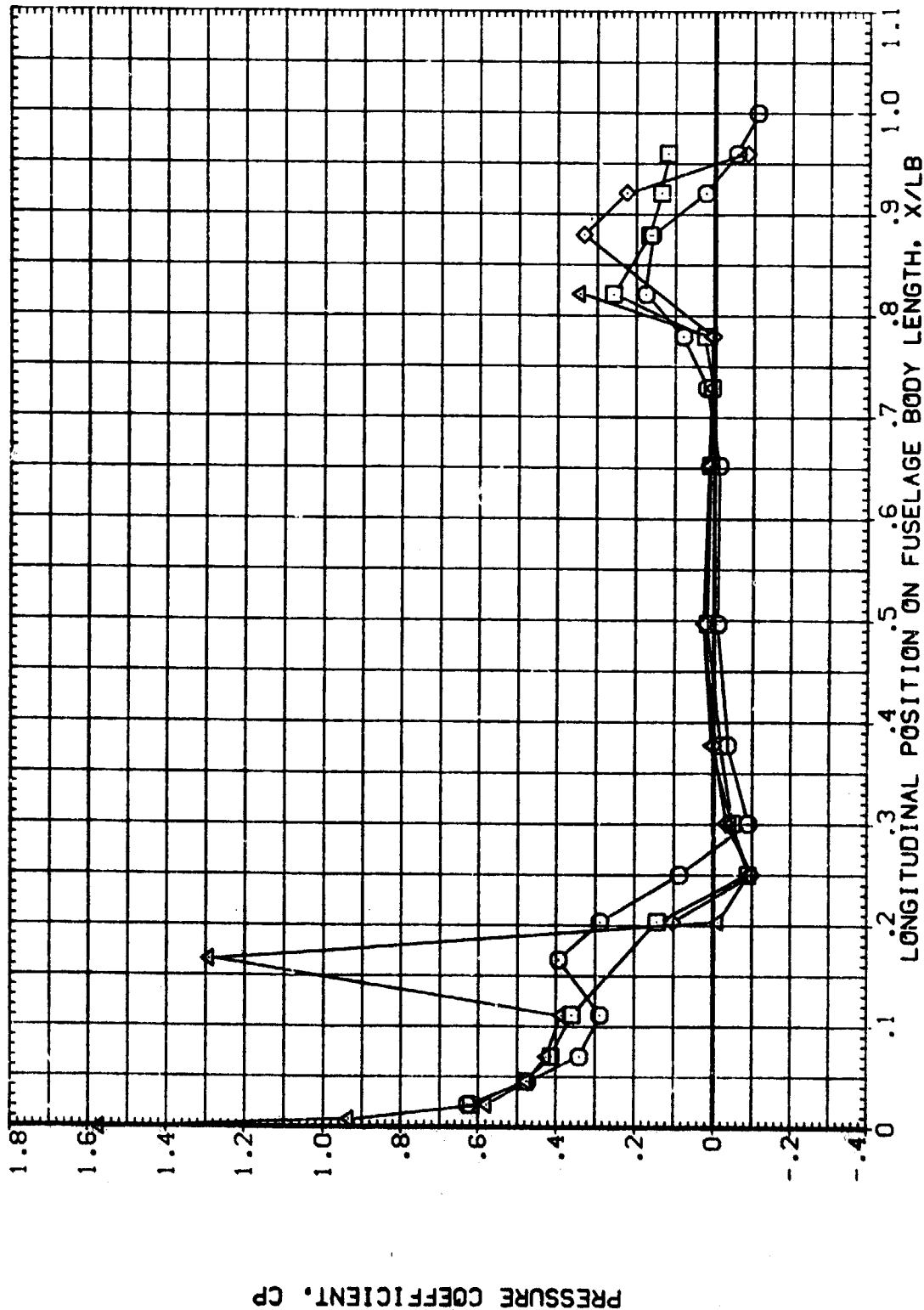


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

PHI	BETA	ALPHA	PARAMETRIC VALUES		
.000	4.000	-4.000	2.200	RN/FT	2.500
40.000			.000	ELV-OB	.000
70.000			.000	SPOBRK	.000
90.000					

SYMBOL	MACH
○	ELV-OB
□	RUDDER
◇	
△	

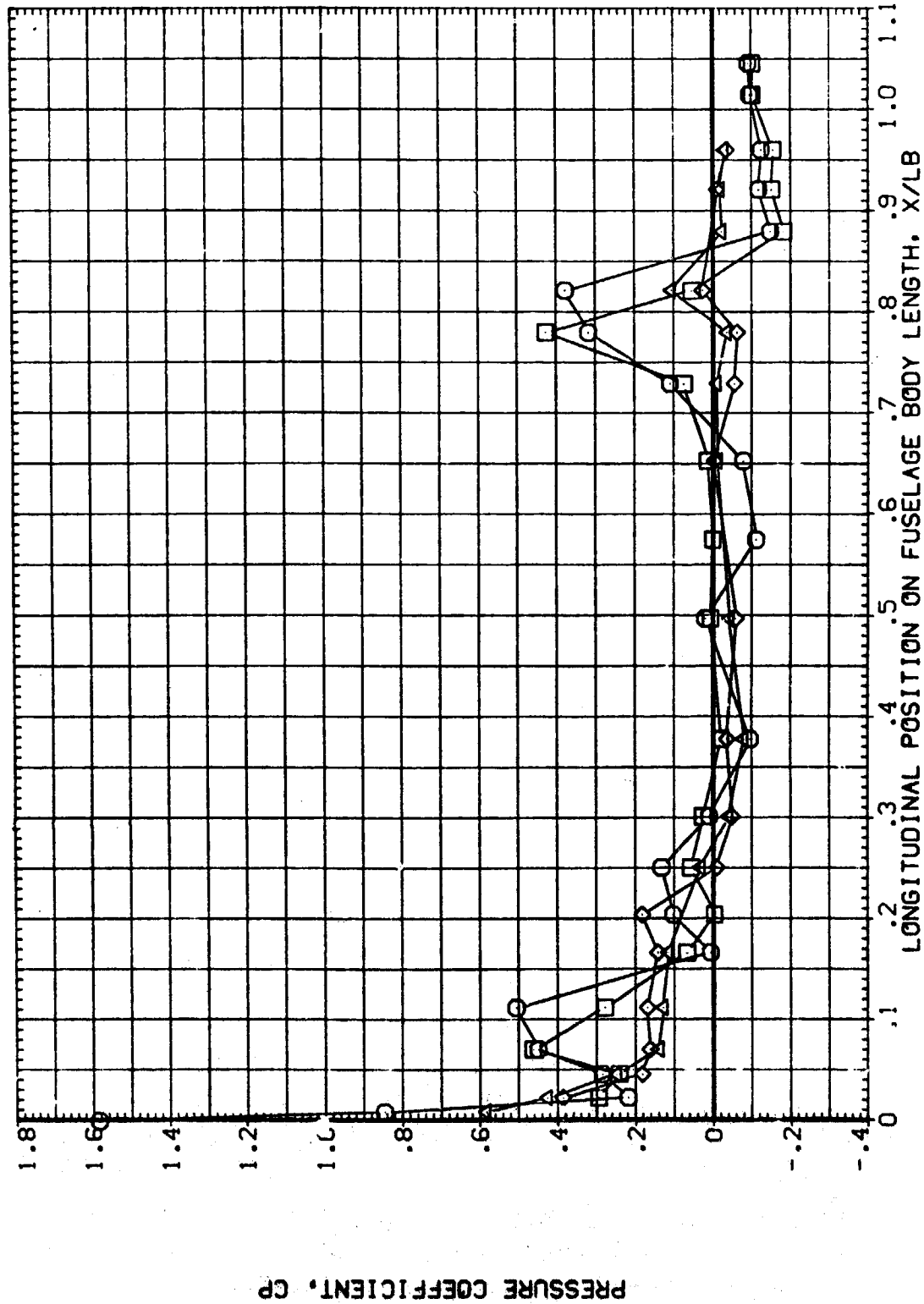


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ○
 □
 ◇
 △

PHI
 :20.000
 :50.000
 :65.000
 :90.000

BETA θ
 4.000

ALPHA θ
 -4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT
 .000 ELV-08
 .000 SPDBRK

2.500
 .000
 .000

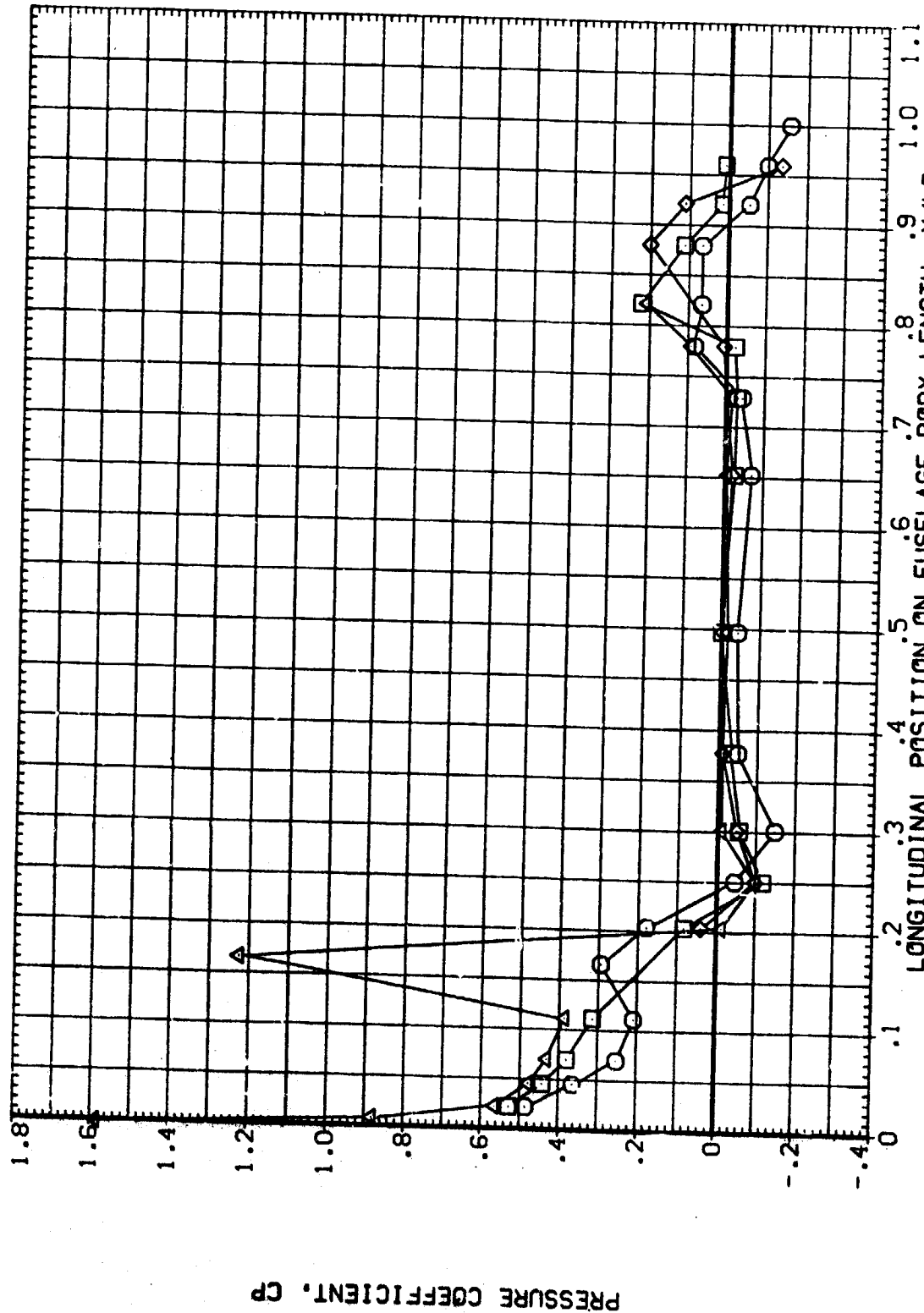


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

PHI	BETA0	ALPHA0	MACH	PARAMETRIC VALUES
.000	-6.000	.000	ELV-1B	2.200
40.000			RUDDER	.000
70.000			ELV-0B	2.500
90.000			SPOBRK	.000

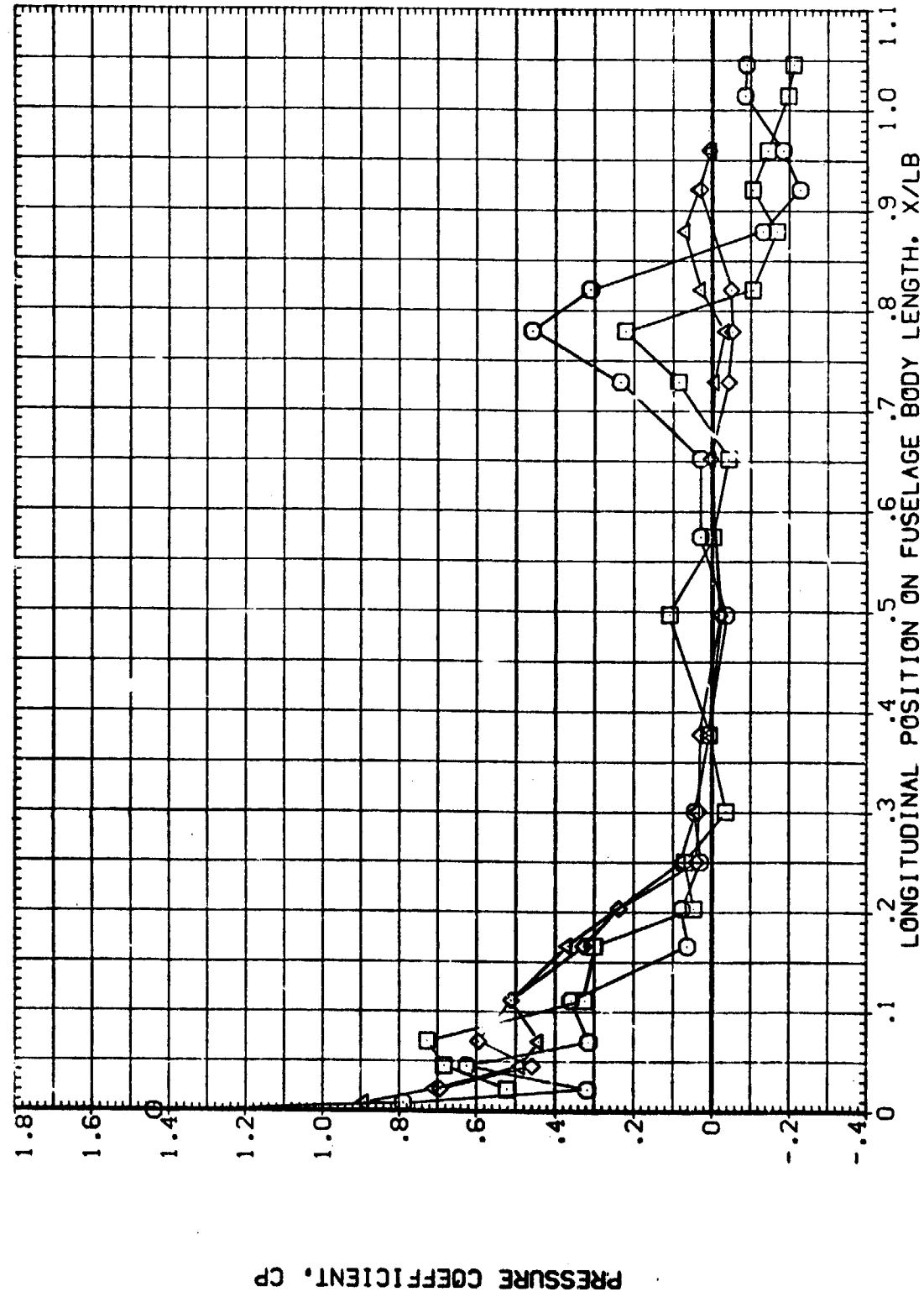


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ○ :20.000
 □ :50.000
 ◇ :65.000
 △ :80.000

BETA0 -5.000
 ALPHAD .000

MACH 2.200
 ELV-IB .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-OB .000
 SPOBRK .000

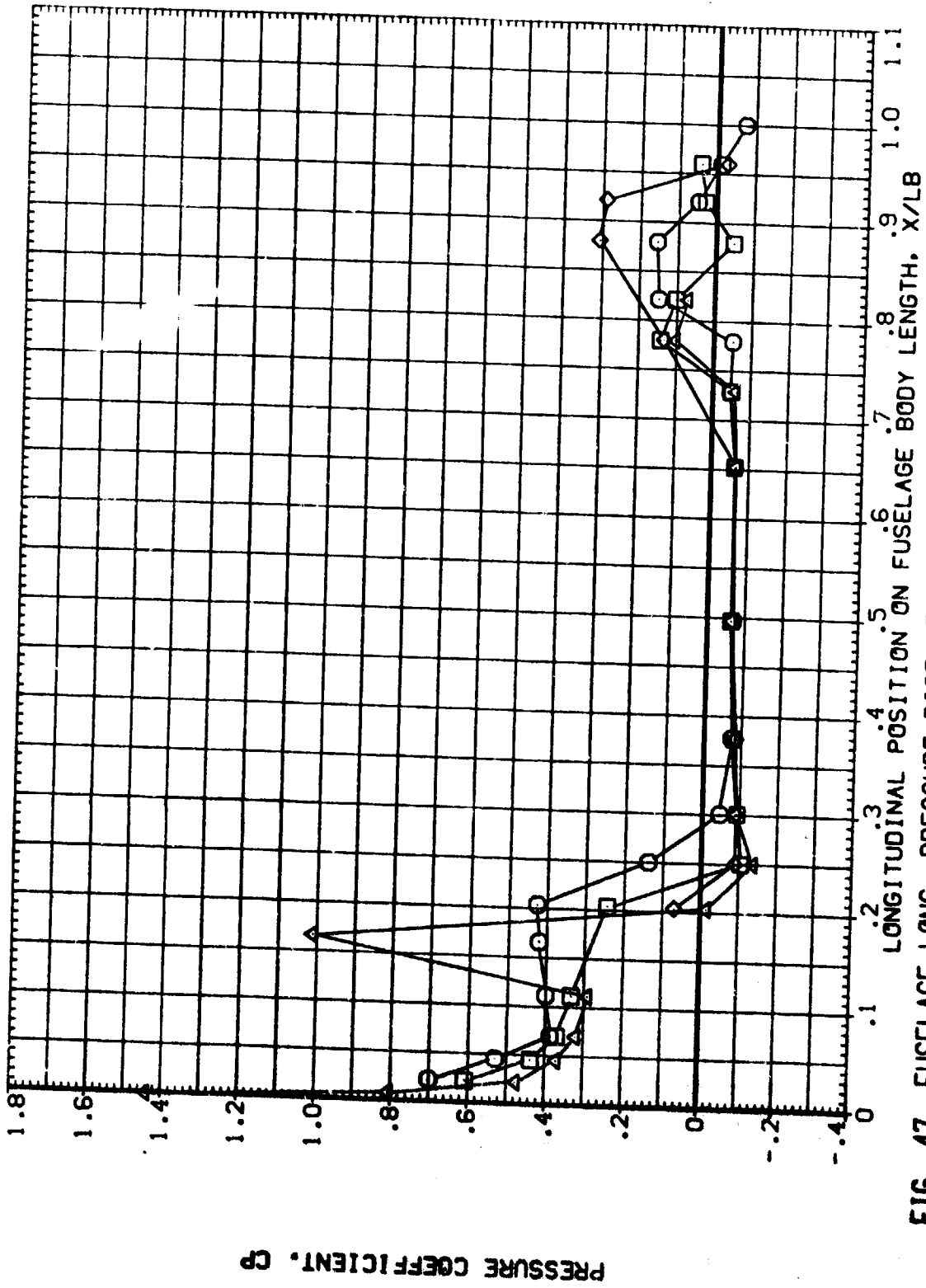


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETAG	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	.000	ELV-1B	RN/FT
□	40.000			RUDDER	ELV-08
◇	70.000				SPDBRK
△	90.000				
					2.500
					.000
					.000

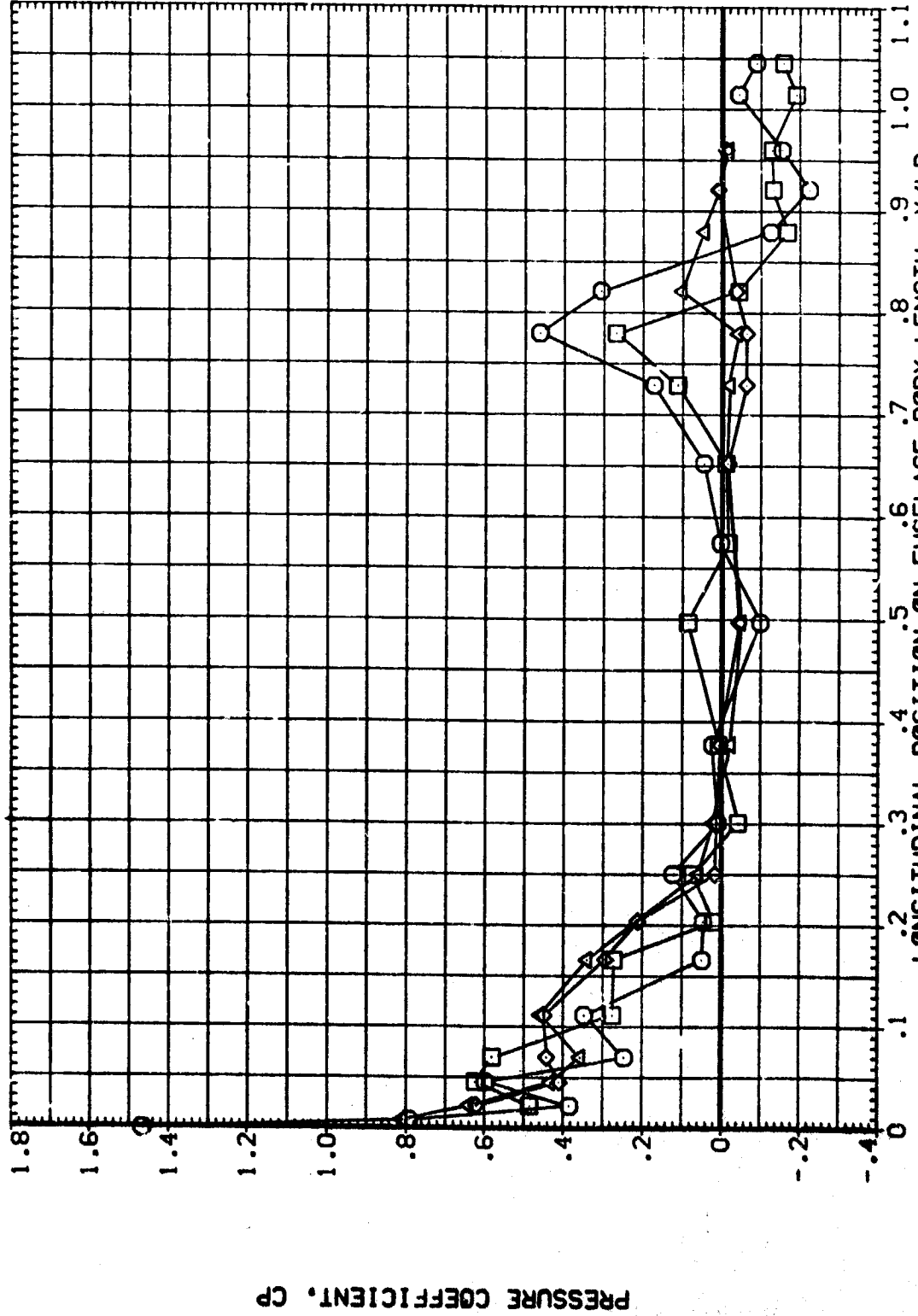


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ○ : 20.000
 □ : 50.000
 △ : 100.000
 ◇ : 500.000

PHI : 20.000
 BETA : -4.000
 ALPHA : .000

PARAMETRIC VALUES
 MACH : 2.200
 ELV-1B : .000
 RUDDLR : .000

RN/FT : 2.500
 ELV-08 : .000
 SPCBRK : .000

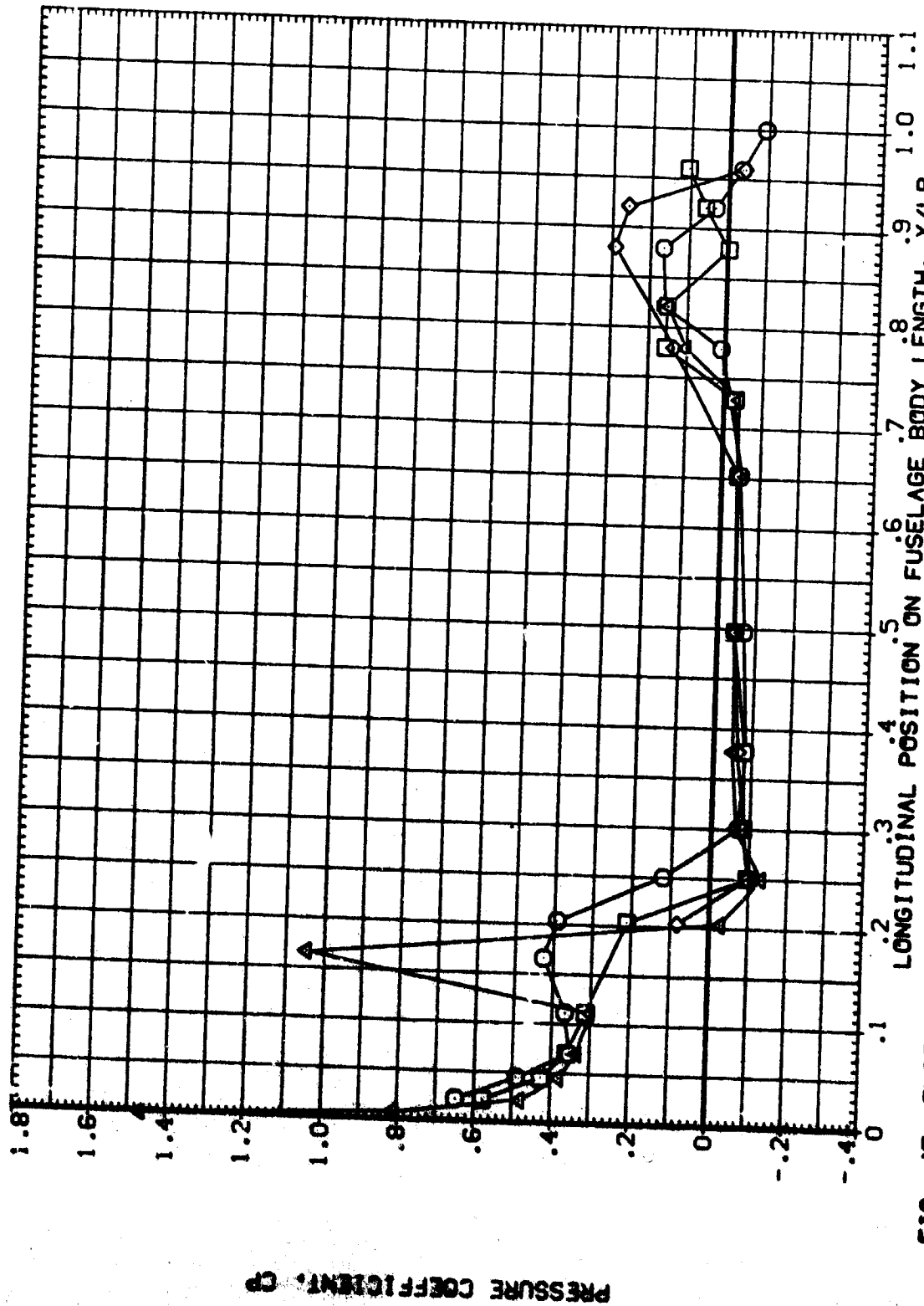


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (JETB41)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

PN1 .000 ALPHAG .000
 40.000
 70.000
 90.000

SYMBOL
 ○ □ ◇ △

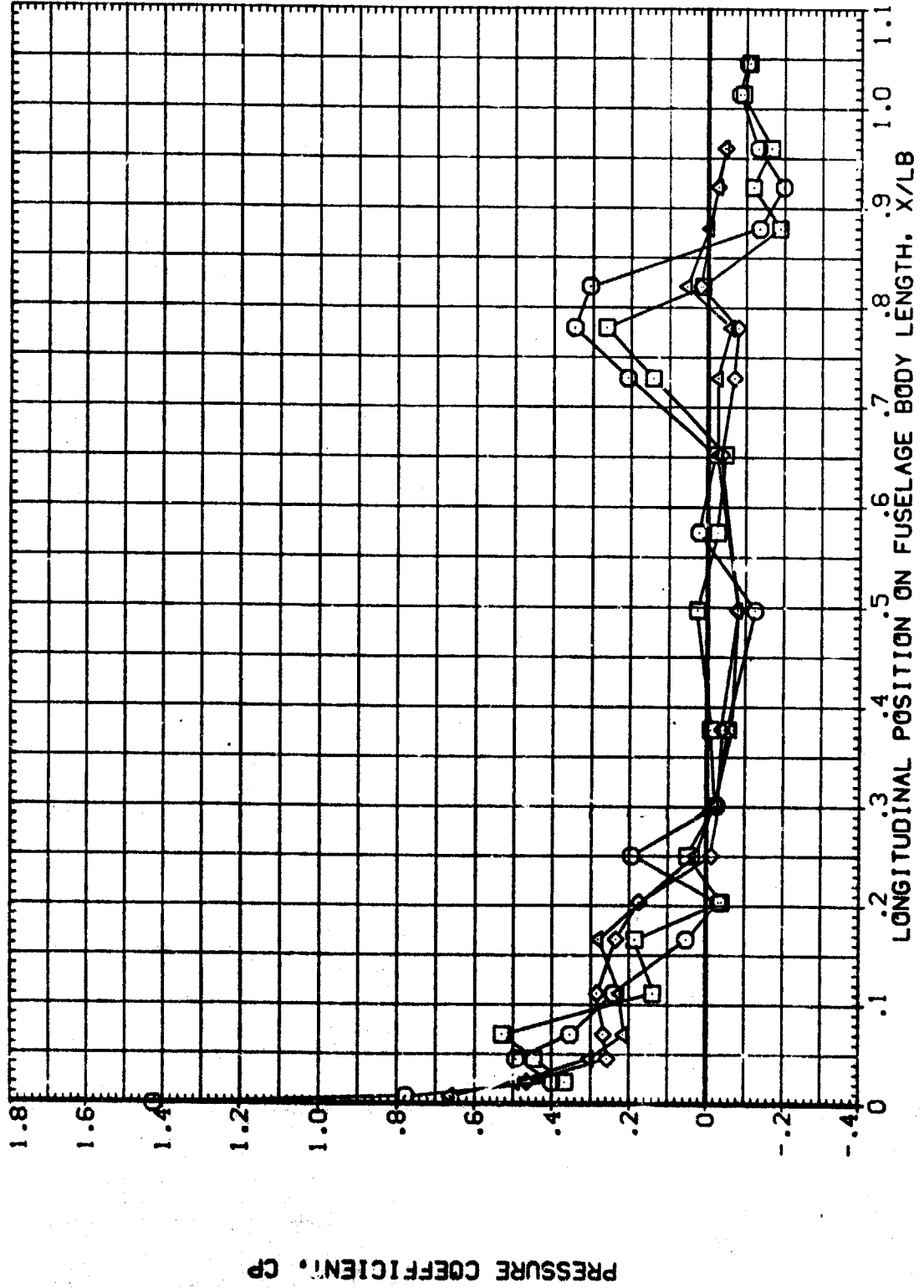


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.20.000	.000	.000	ELV-1B	2.200 RN/FT
□	.50.000	.000	.000	RUDDER	.000 ELV-08
△	.80.000	.000	.000		.000 SPOBRK

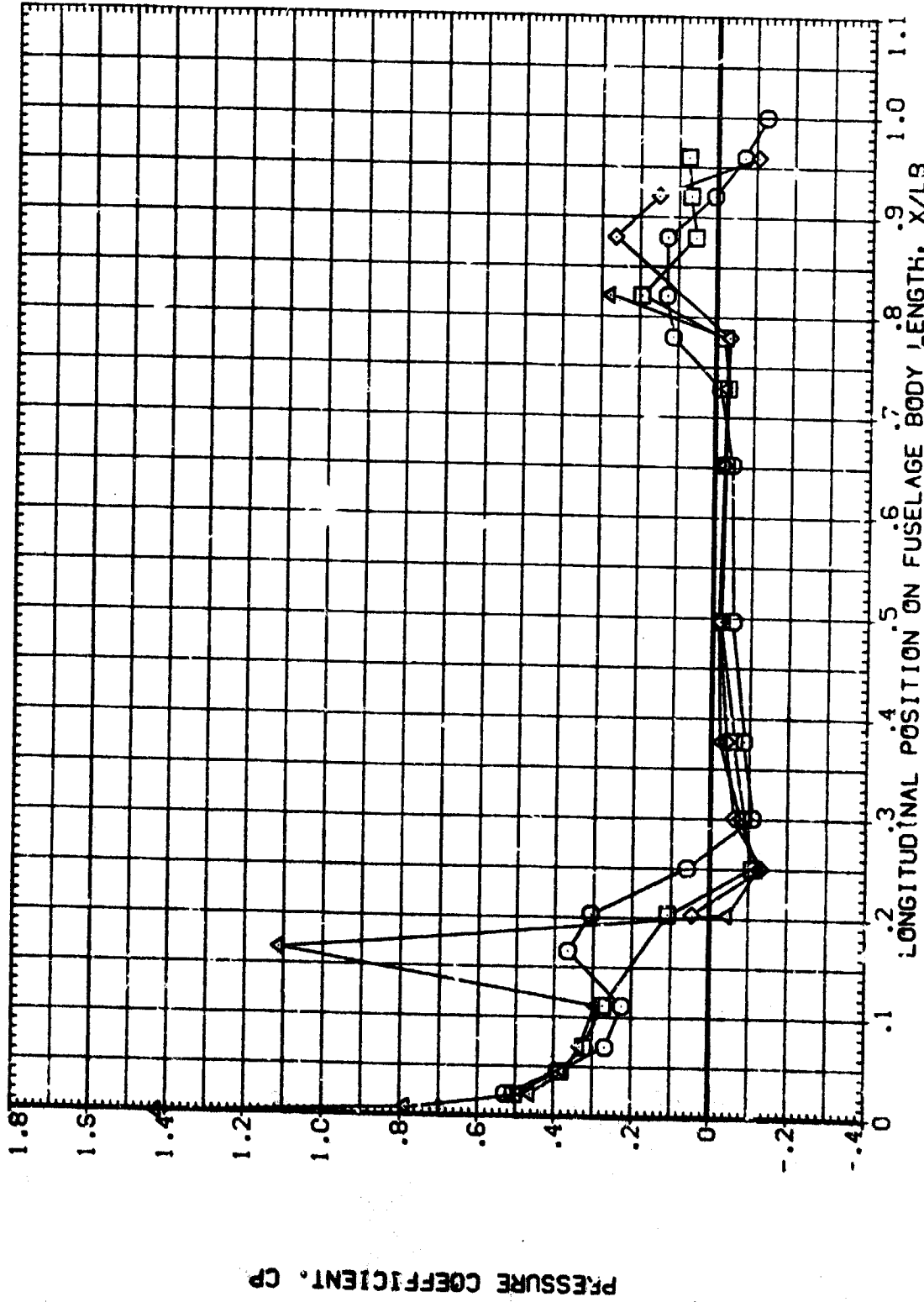


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	.000	ELV-1B	2.200 RN/FT
□	40.000			RUDDER	.000 ELV-OB
◇	70.000				.000 SPDBRK
△	90.000				.000

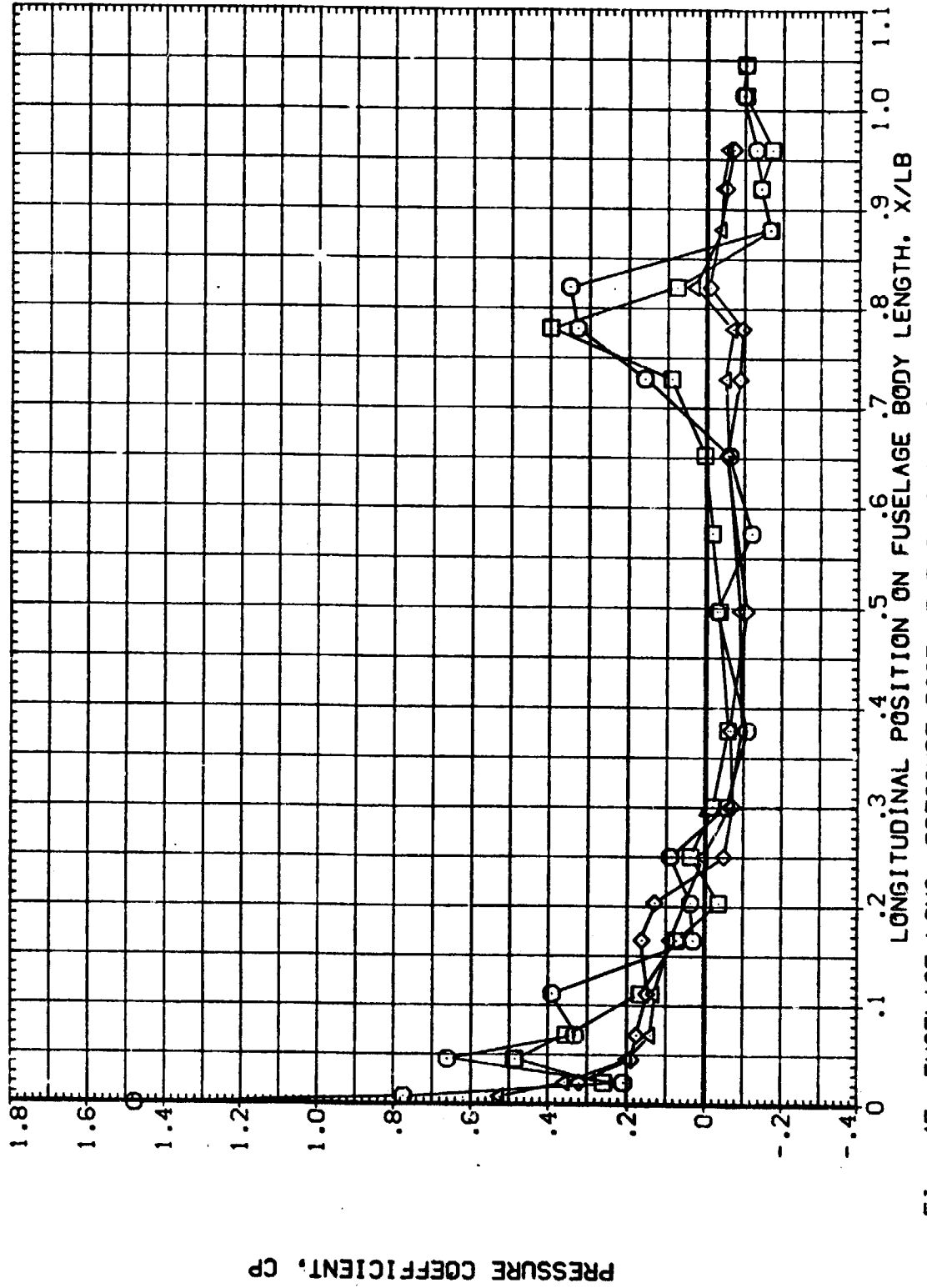


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ▽
 ◊
 □

PHI
 :20.000
 :50.000
 :60.000

BETA0
 4.000

ALPHA0
 .000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT
 .000 ELV-08
 .000 SPDBRK
 2.500
 .000
 .000

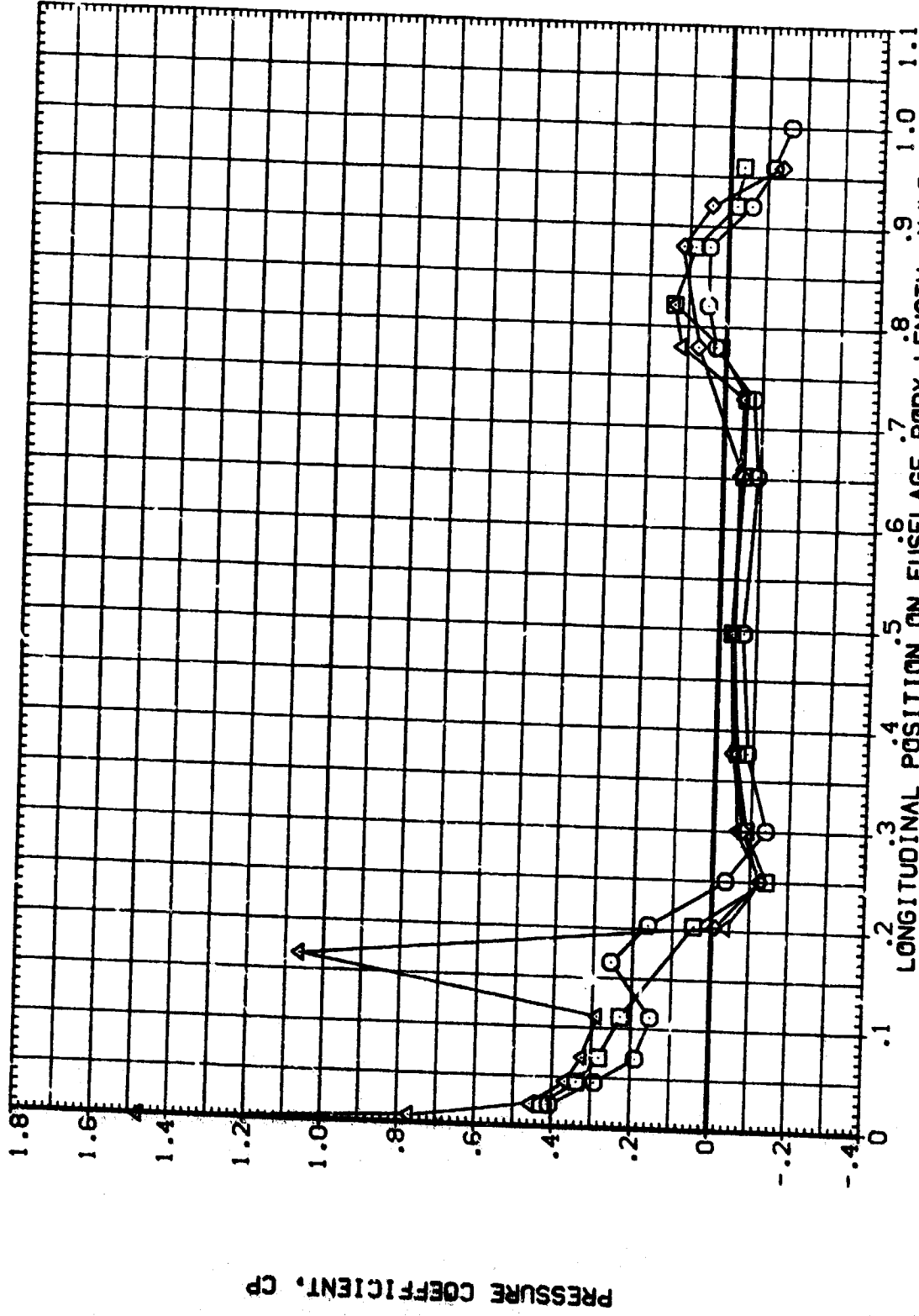


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	.000	6.000	.000	MACH	2.200	RN/FT	2.500
□	40.000			ELV-IB	.000	ELV-OB	.000
◇	70.000			RUDDER	.000	SPOBRK	.000
△	90.000						

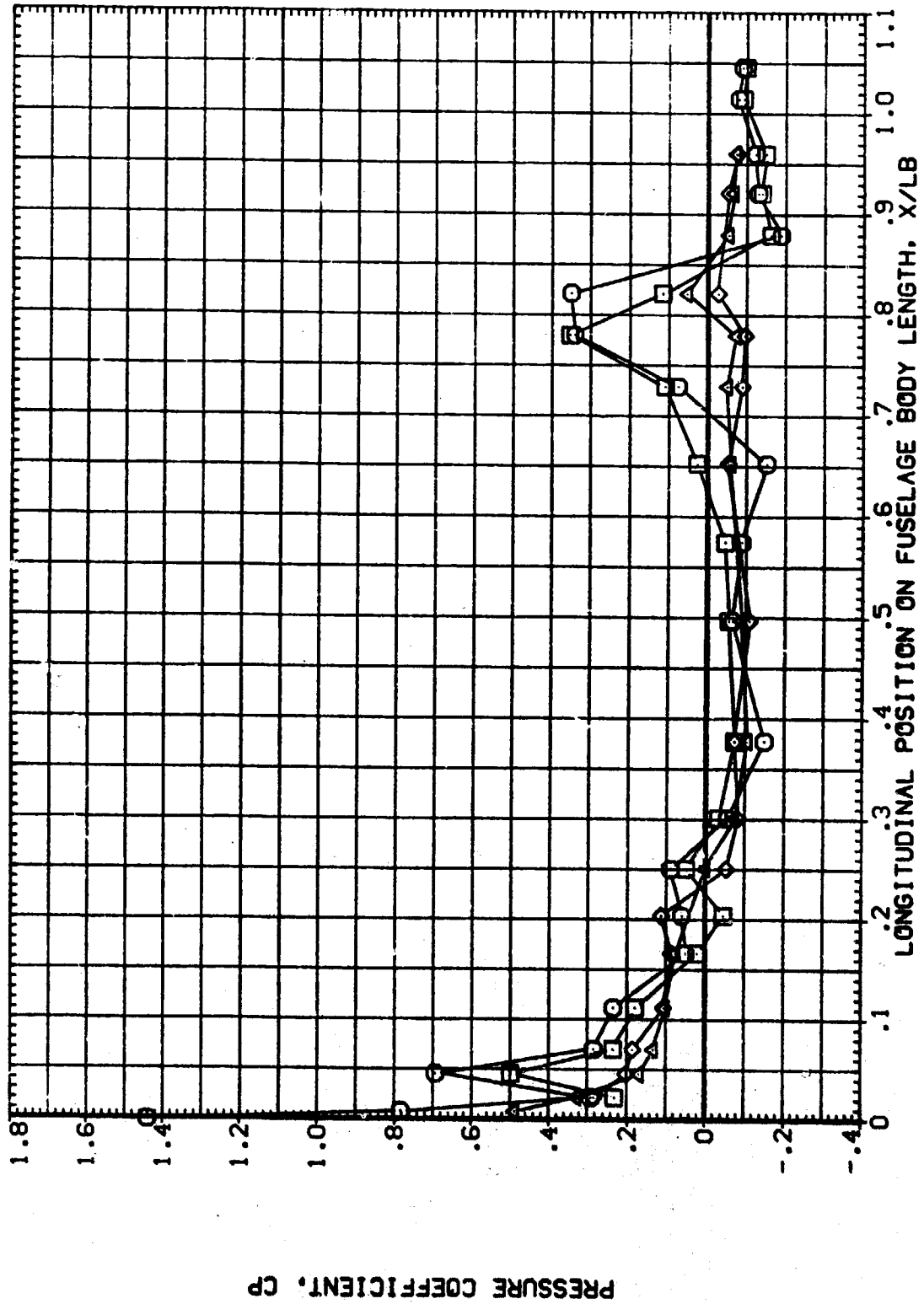


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDER	SPDBRK	RV/FT	ELV-08	SPDBRK
○	120.000	6.000	.000	2.500	.000	.000	.000	2.200	.000	.000
□	130.000									
◇	155.000									
△	180.000									

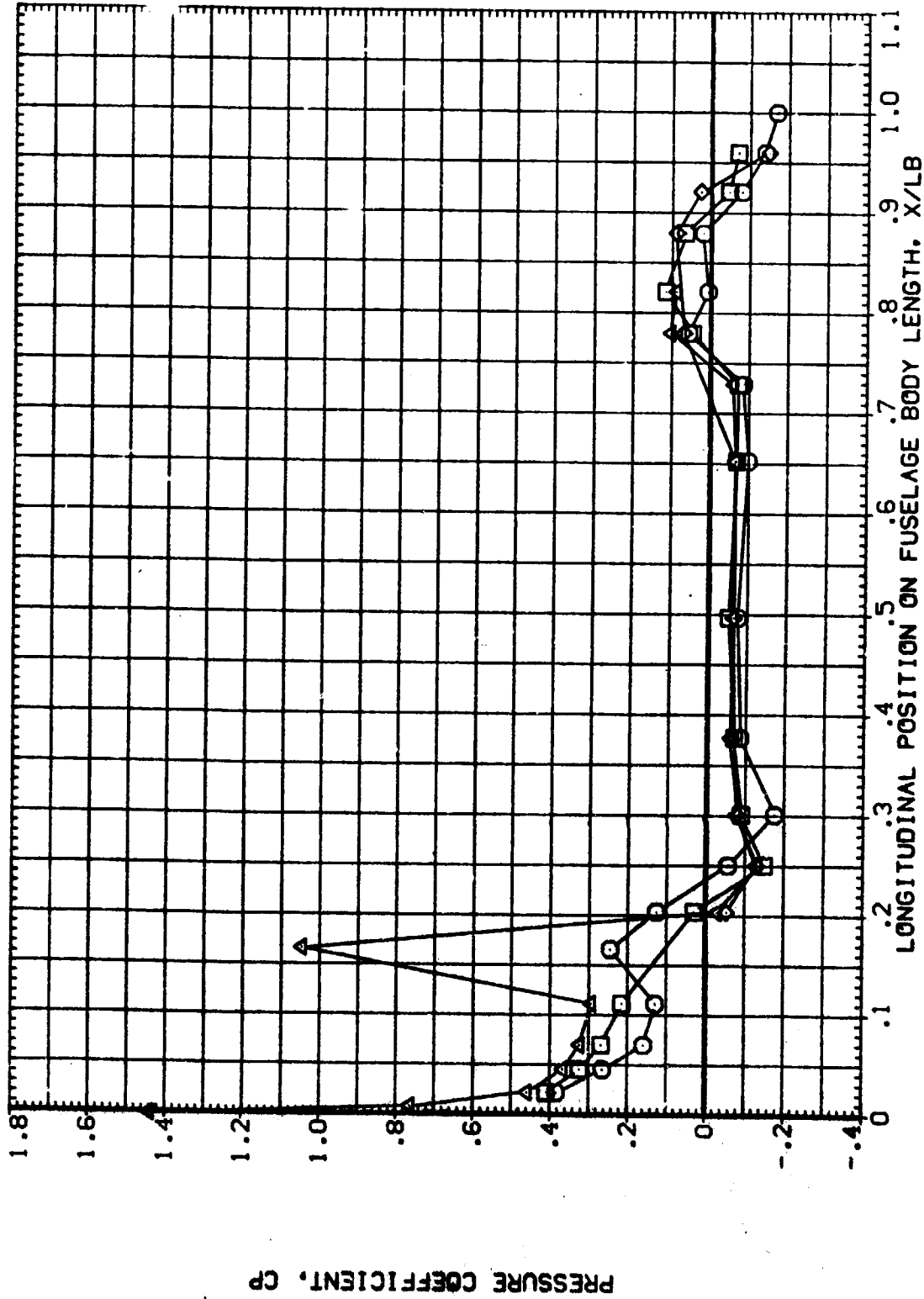


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA δ	ALPHA δ	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	ELV-18	2.200 RN/FT
□	40.000			RUDDER	.000 ELV-DB
◇	70.000				.000 SPDBRK
△	90.000				.000

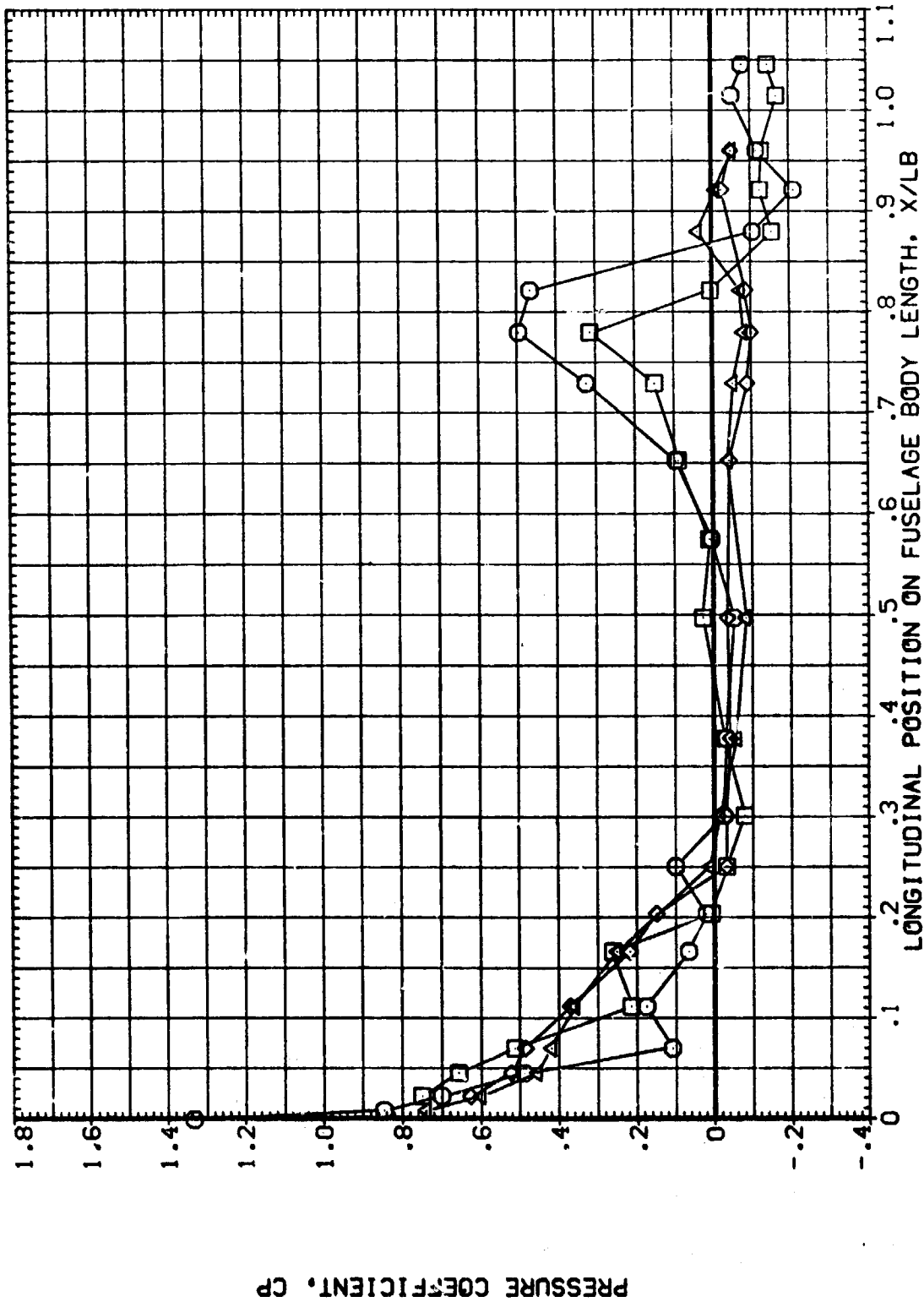


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ○ : 20.000
 □ : 50.000
 △ : 80.000

BETA
 -4.000

ALPHA
 4.000

MACH
 ELV-1B
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-OB .000
 .000 SPDBRK .000

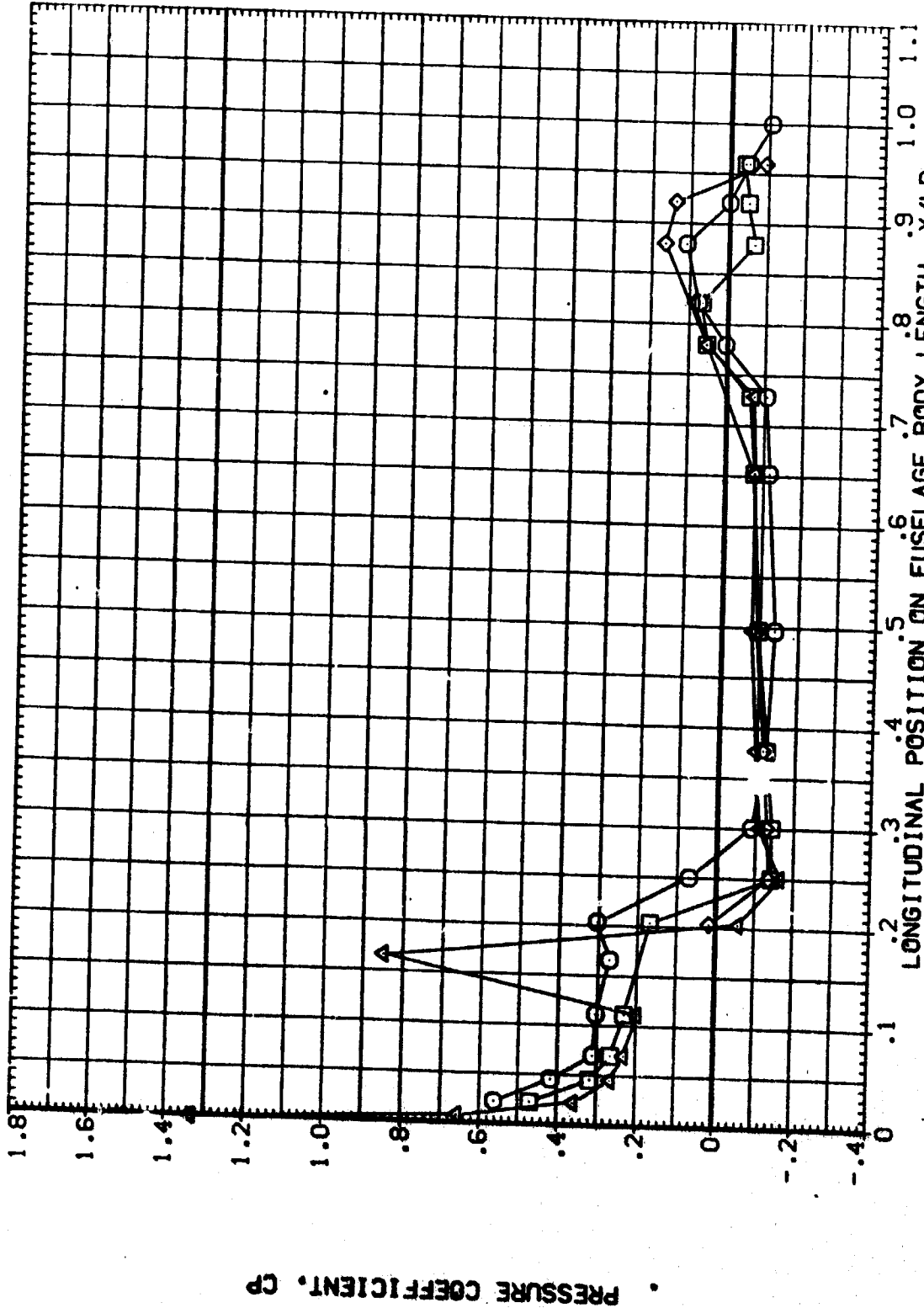


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.500	4.000	2.200	RN/FT
□	40.000			.000	ELV-OB
◇	70.000			.000	SPOBRK
▽	90.000			.000	

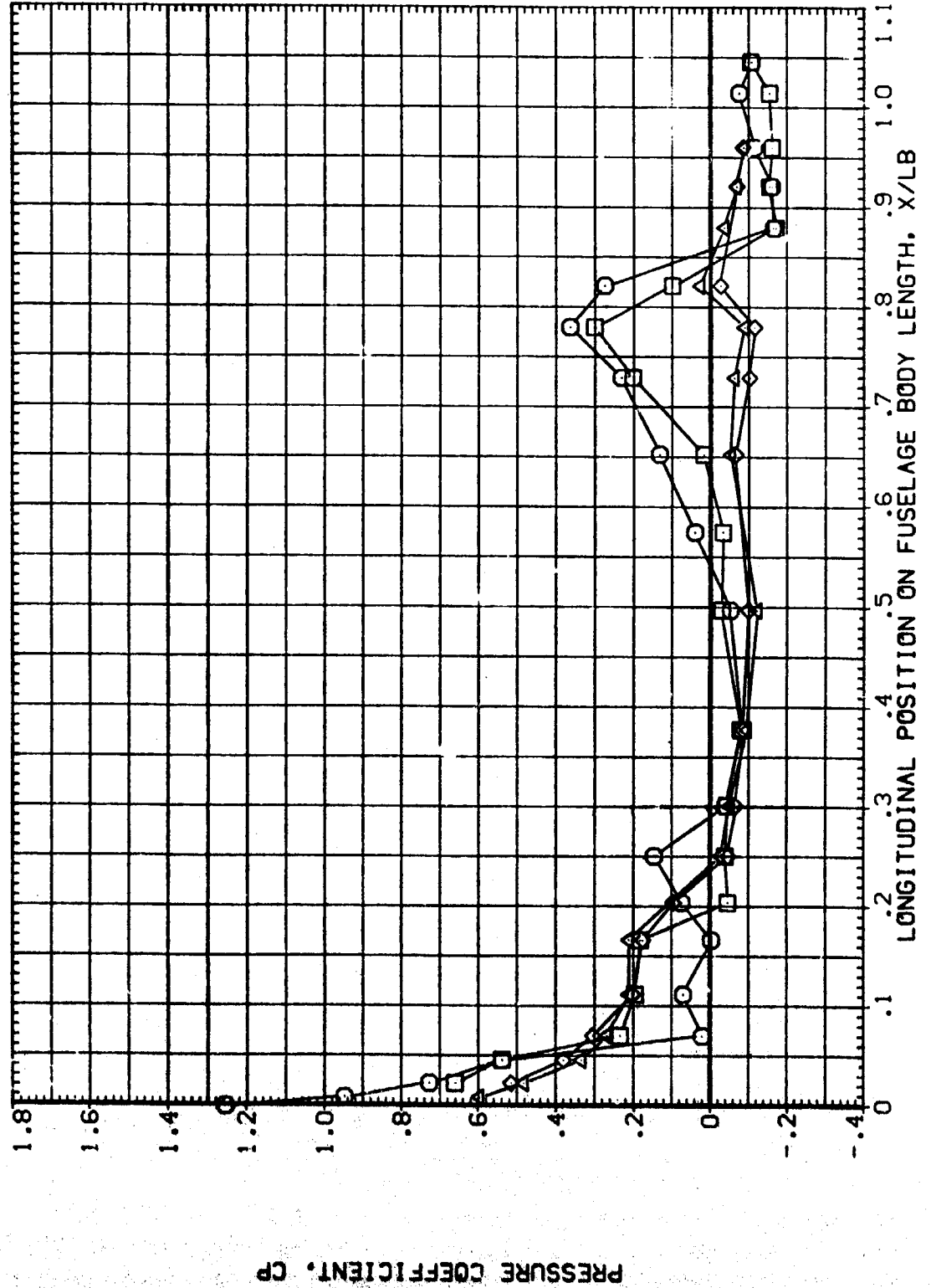


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 □
 ◇
 △

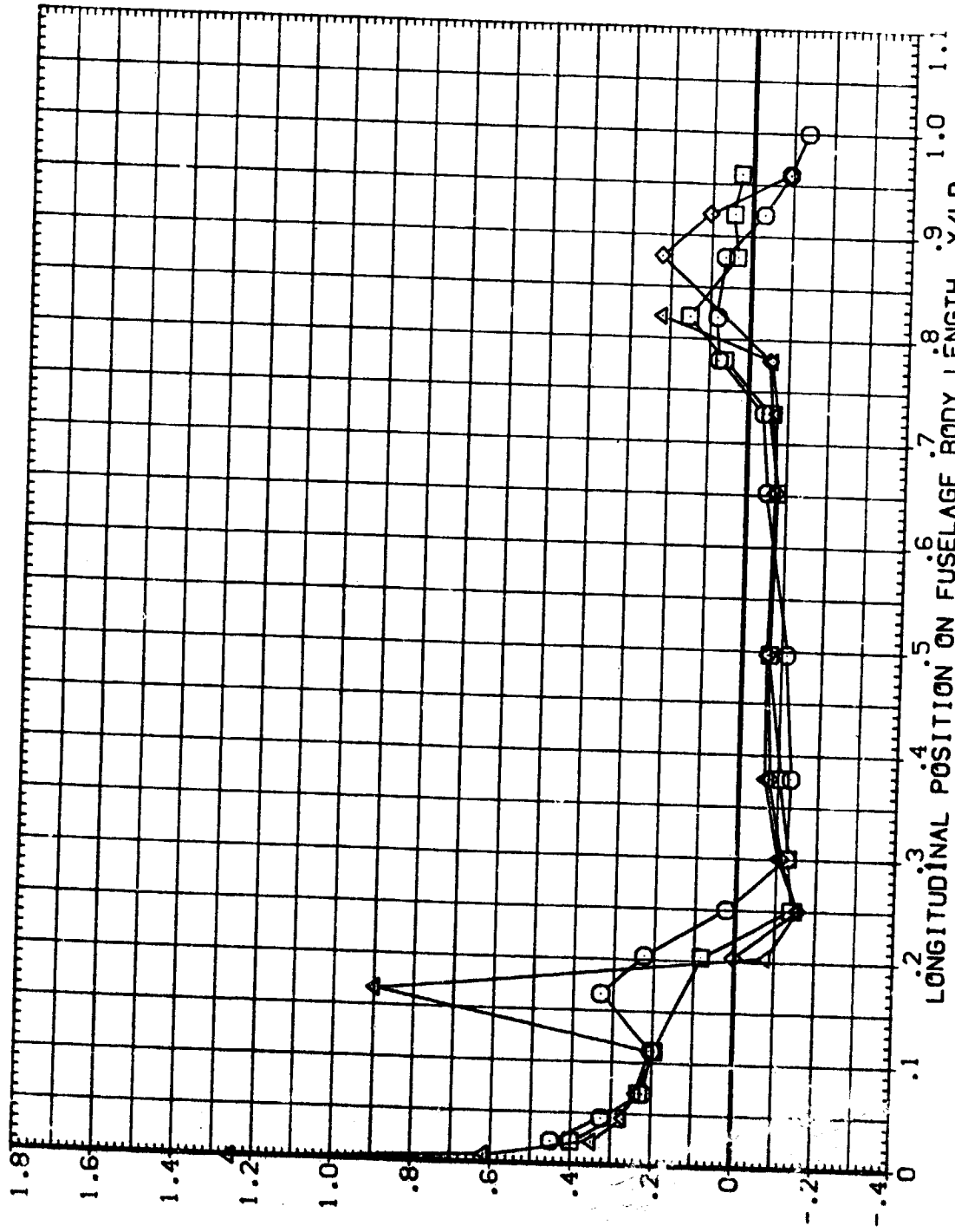
PHI
 :20.000
 :50.000
 :65.000
 :90.000

BETA
 :.000

ALPHA
 :4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000



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FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
.000	4.000	4.000	ELV-16	2.200 RN/FT
40.000			RUDDER	.000 ELV-OB
70.000				.000 SPDBRK
90.000				.000

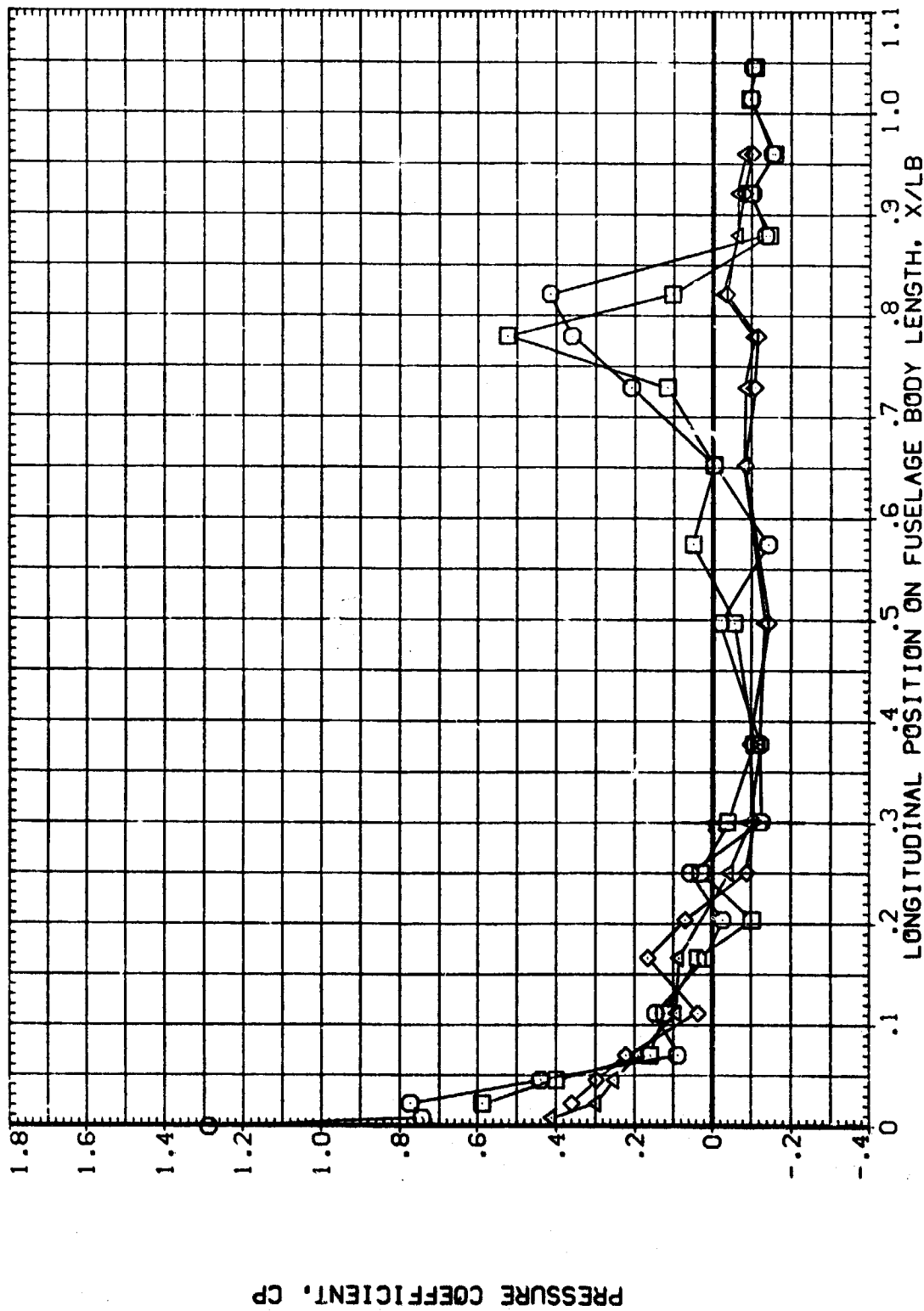


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ◊ : 20.000
 □ : 50.000
 ○ : 100.000
 △ : 60.000

BETA 4.000
 ALPHA 4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

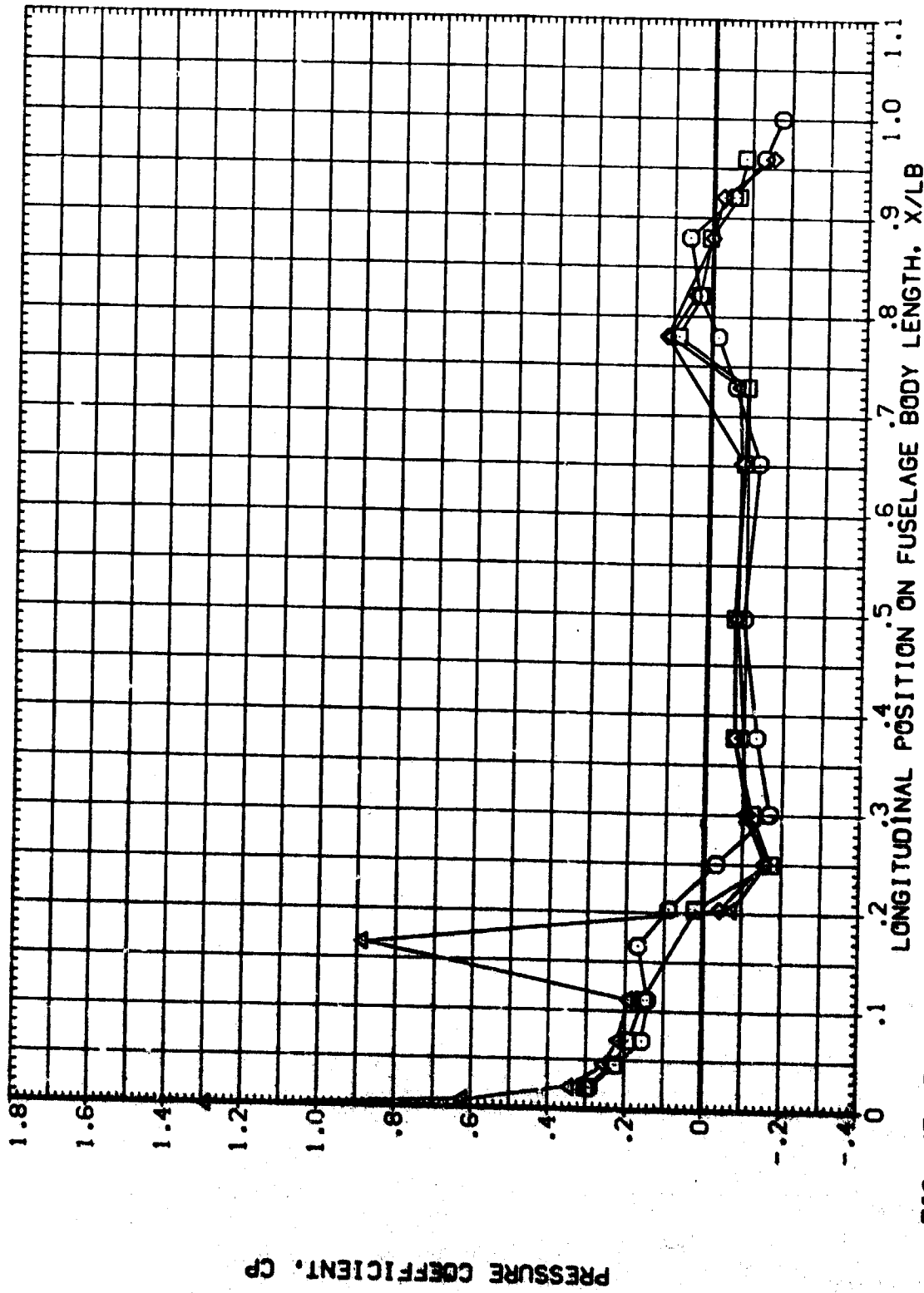


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL	PHI	BETA θ	ALPHA θ	MACH	PARAMETRIC VALUES
\blacktriangledown	.000	.000	6.000	ELV-18	2.200 RN/FT
\square	40.000			RUDDER	.000 ELV-DB
\circ	70.000				.000 SPDBRK
\blacktriangle	90.000				2.500

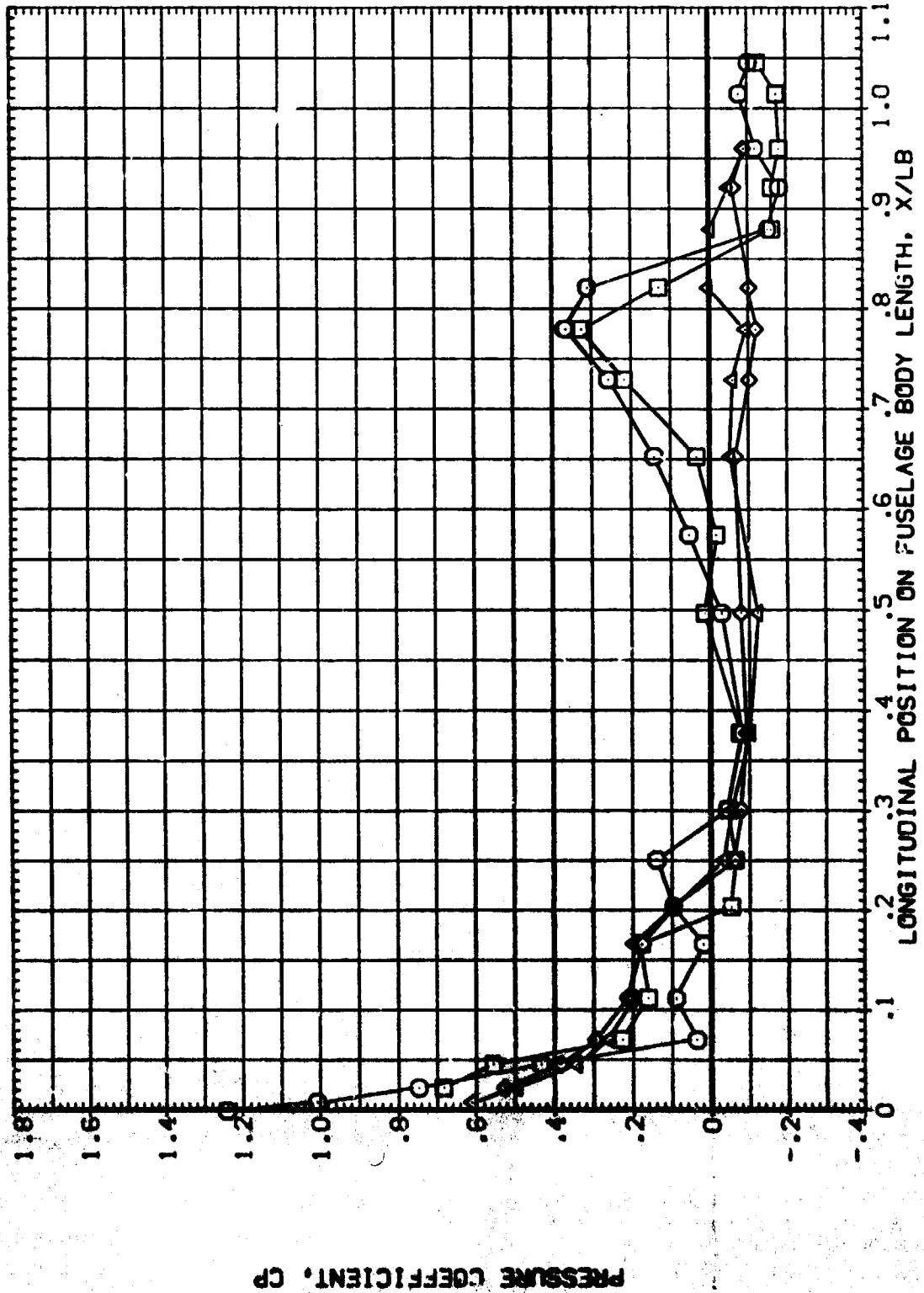


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB41)

SYMBOL
 ○
 □
 ◇
 △

PHI
 :20.000
 :50.000
 :63.000
 :80.000

BETA/D
 -.000

ALPHAO
 6.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200
 .000
 .000

2.500
 .000
 .000

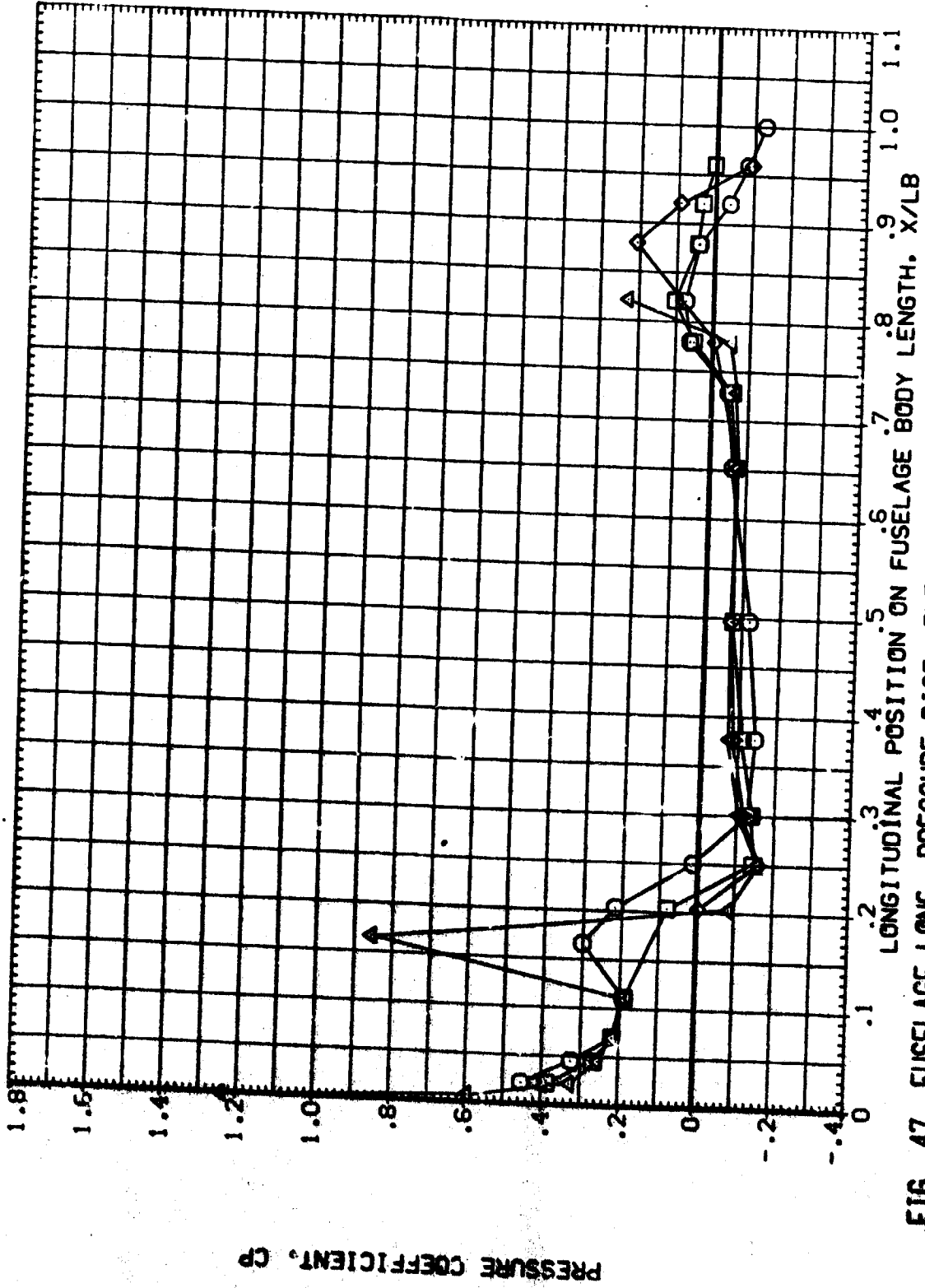


FIG. 47 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES
○	.000	.000	-6.000	2.500	.000	.000	RN/FT 2.500
◇	40.000			.000	.000		ELV-OB .000
△	70.000			.000	.000		SPDBRK .000
	90.000						

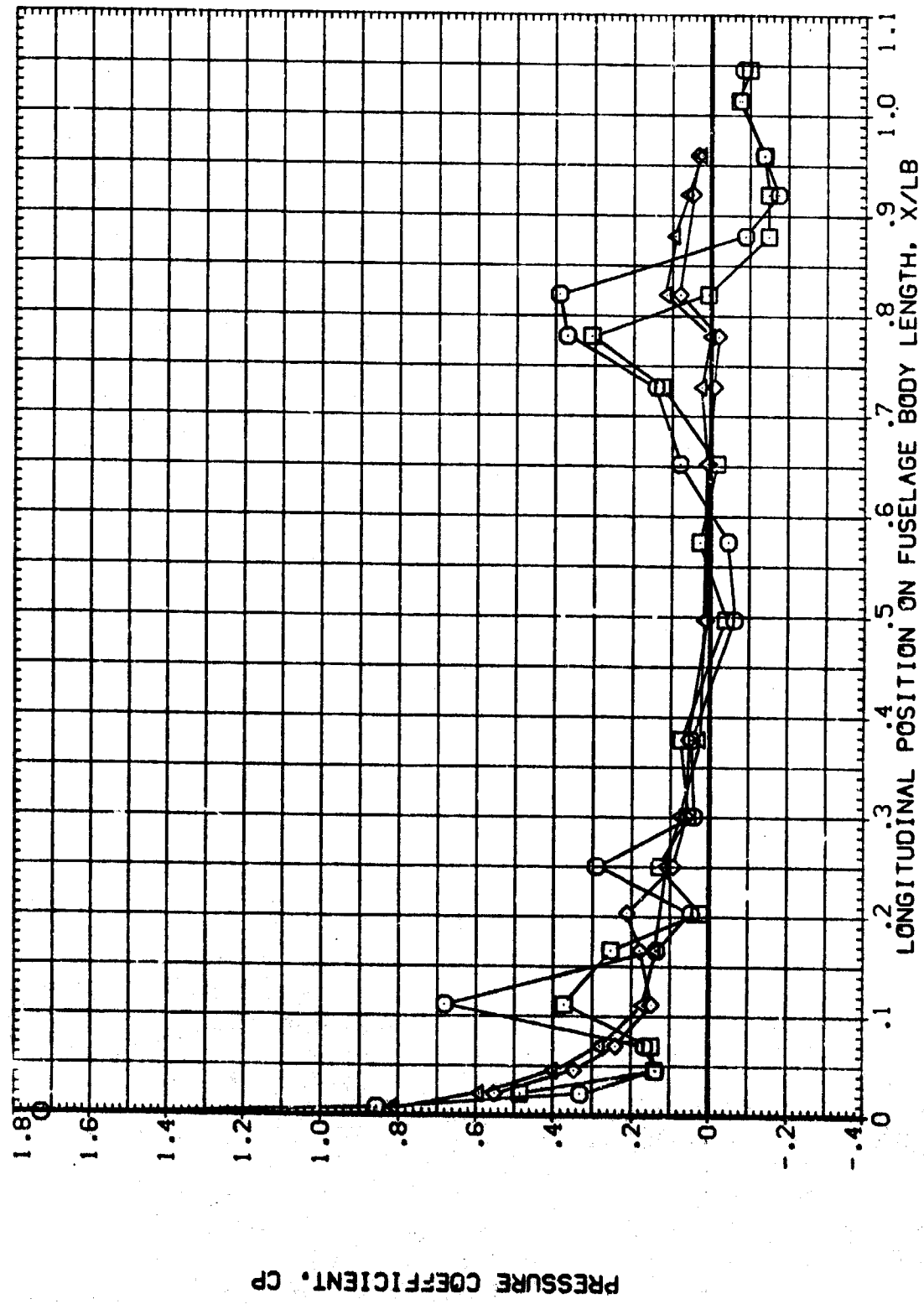


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 1A81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:20.000	.000	-6.000	ELV-18	2.500 RN/FT
□	:50.000			RUDER	.000 ELV-08
△	:65.000				.000 SPDBRK
◇	:80.000				

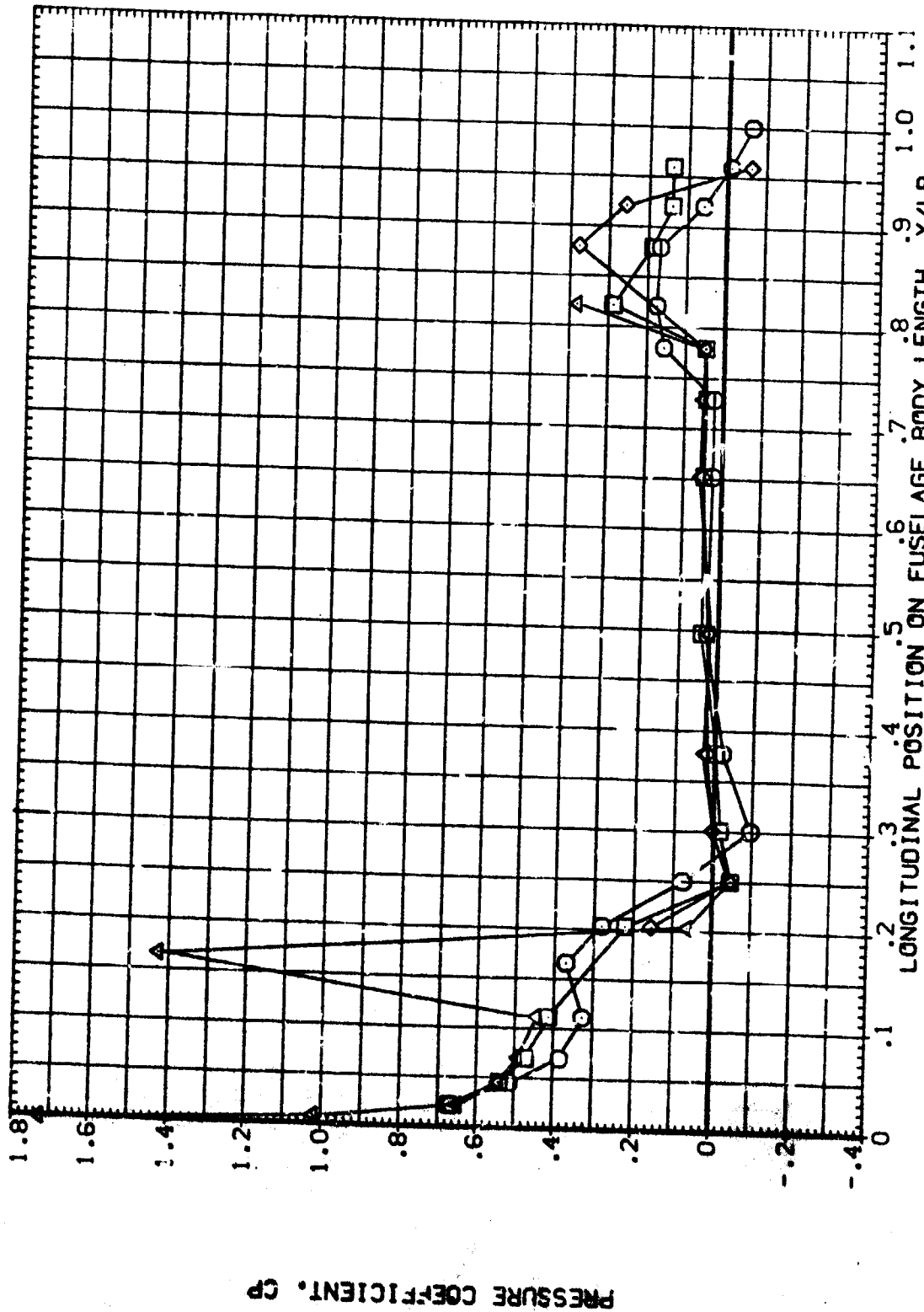


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IEIB42)

SYMBL	PHI	BETA	ALPHA	MACH	ELV-OB	RUDDER	PARAMETRIC VALUES
○	.000	-4.000	-4.000	2.500	.000		RN/FT 2.500
□	40.000				.000		ELV-OB .000
◇	70.000				.000		SPOBRK .000
△	90.000				.000		

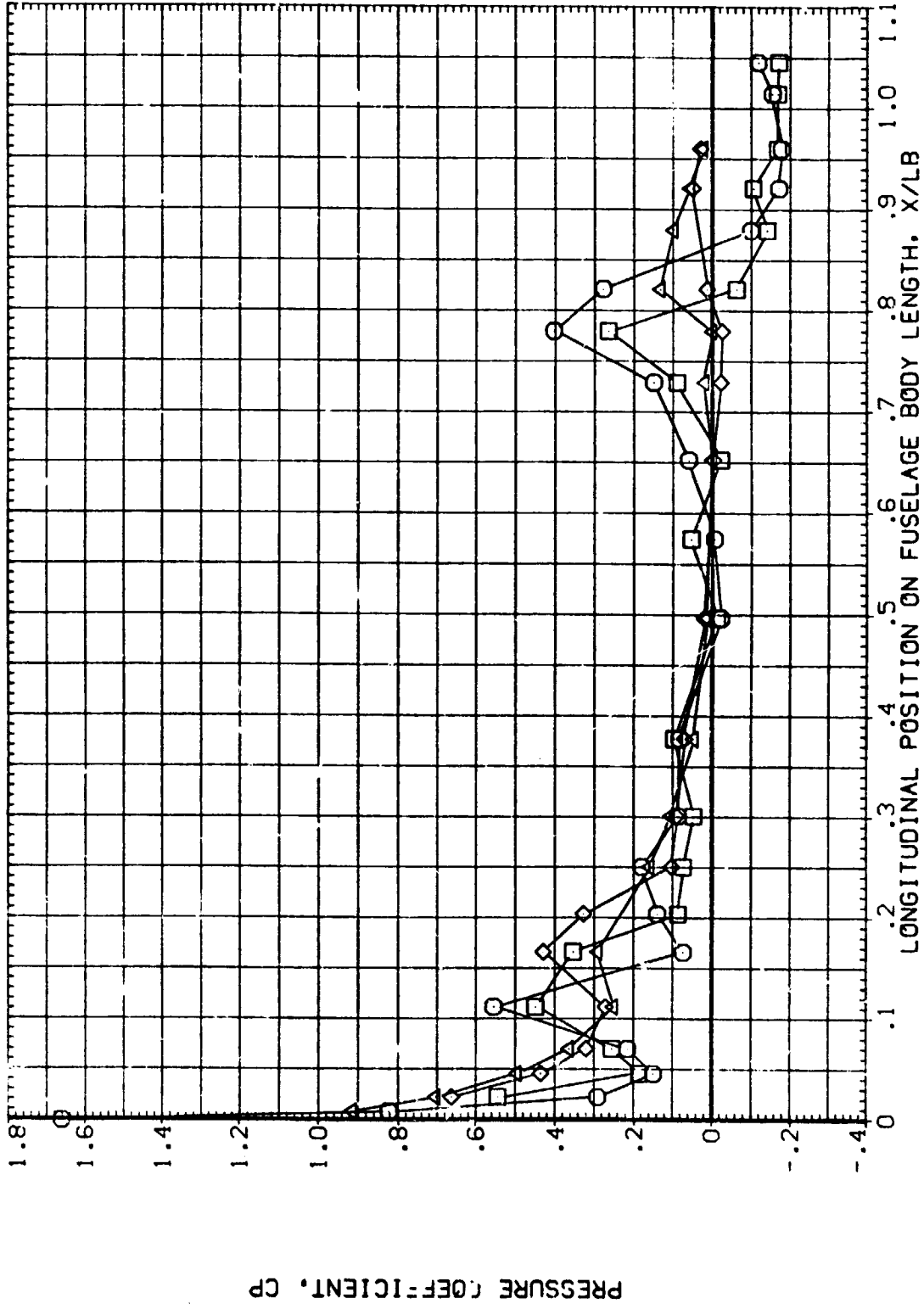


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALIHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL
 ○
 □
 ◇
 △

PHI :20.000
 :150.000
 :165.000
 :80.000

BETA0 -4.000

ALPHA0 -4.000

MACH 2.500
 ELV-1B .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-0B .000
 SPDBRK .000

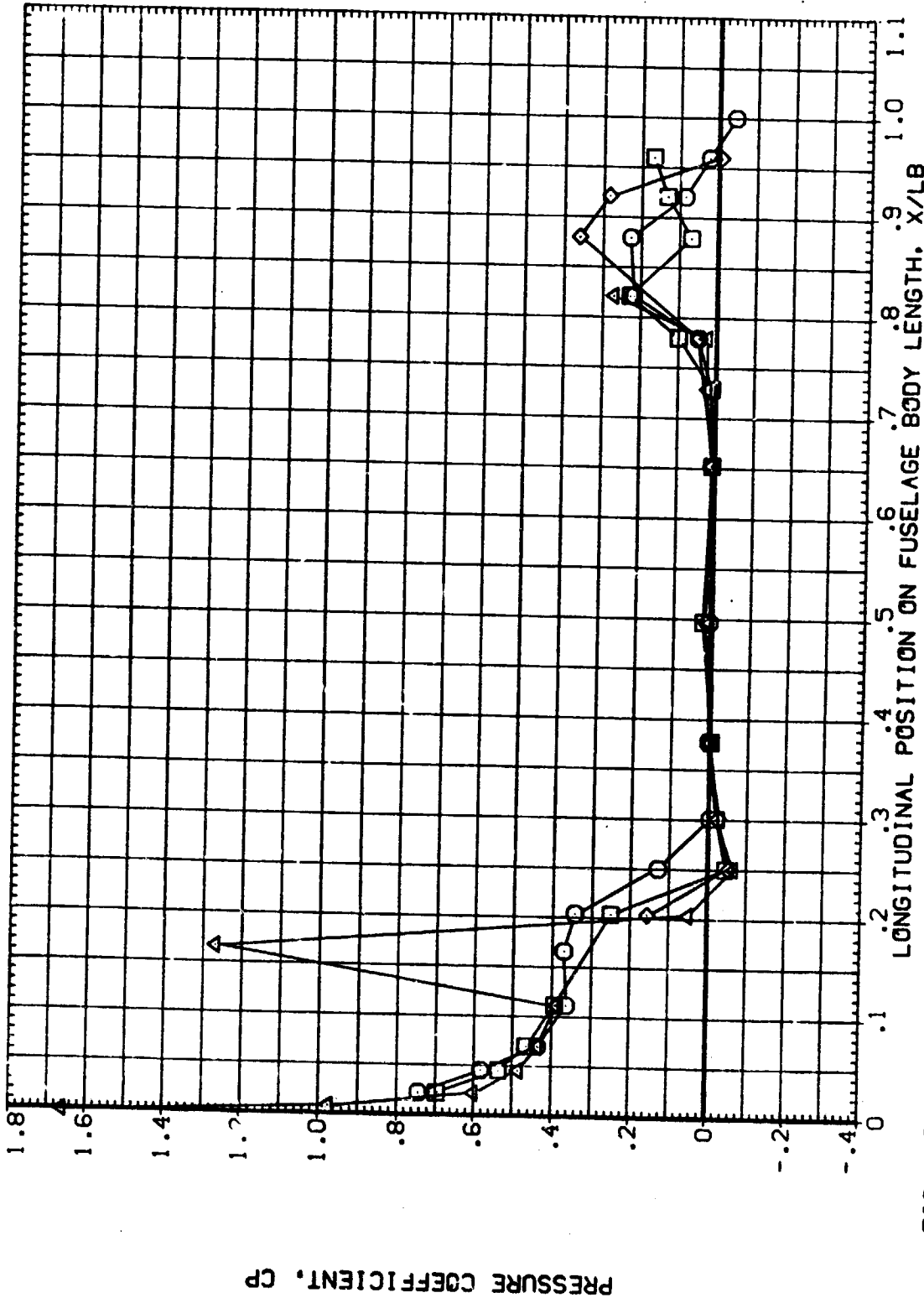


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL		PARAMETRIC VALUES	
○	PHI	MACH	2.500
□	RETAD	ELV-1B	.000
◇	ALPHAD	RUDDER	.000
△		SPDBRK	.000
		RN/FT	2.500
		ELV-OB	.000
			.000

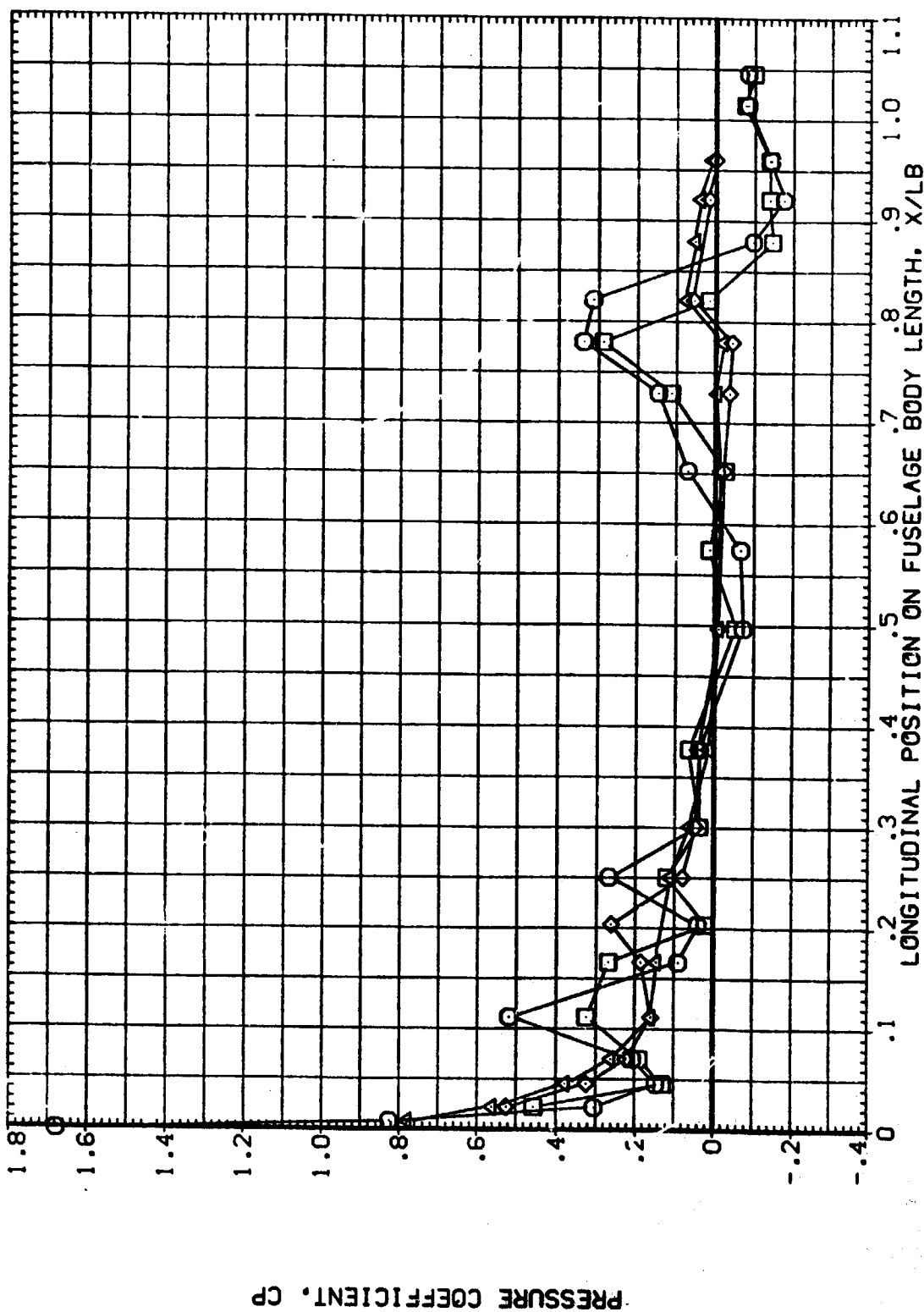


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL

□ 20.000
 ○ 150.000
 ◇ 165.000
 △ 180.000

BETA0 .000
 ALPHA0 -4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

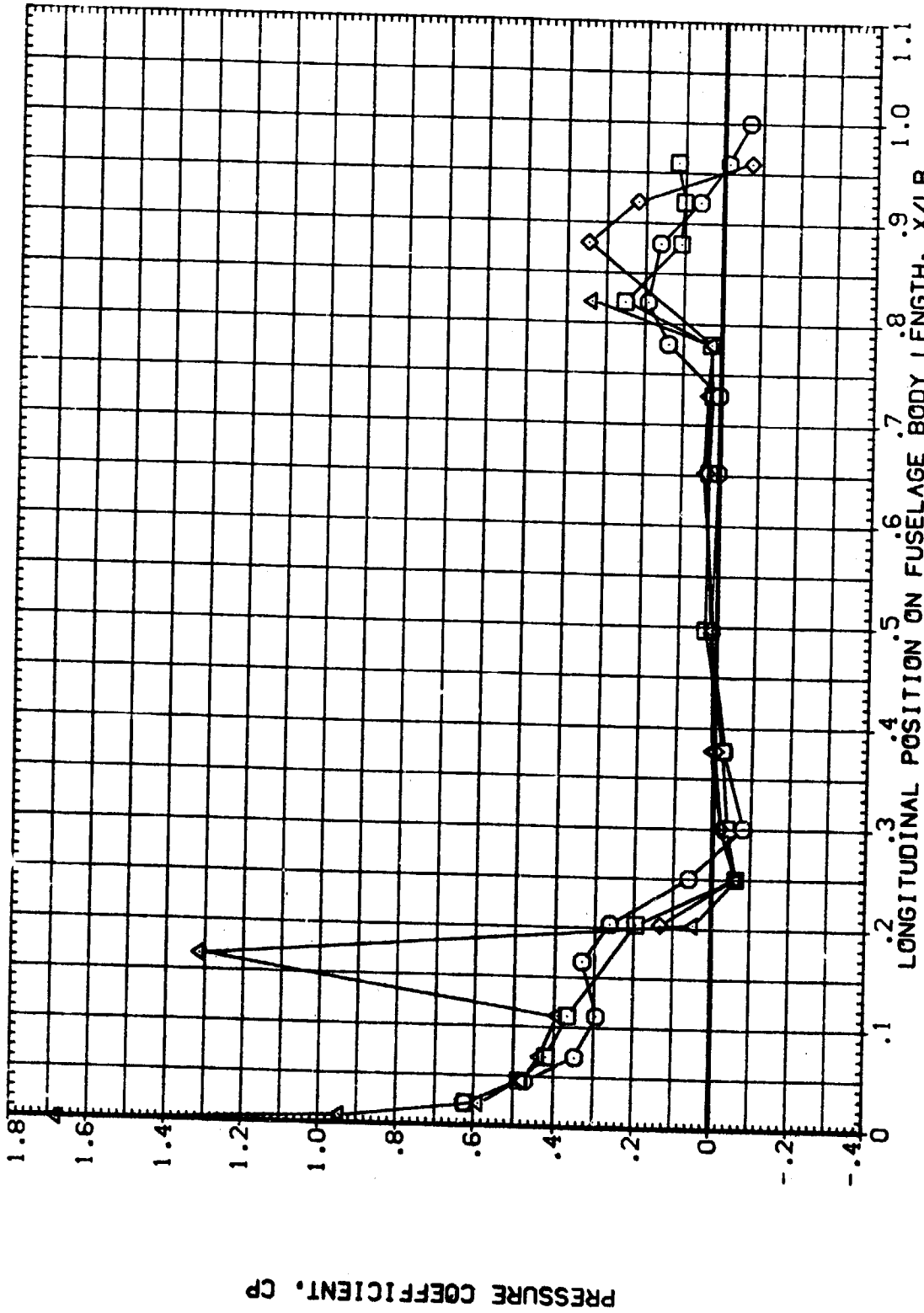


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBD:	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	-4.000	ELV-1B	2.500
□	40.000			RUDDER	.000
◇	70.000				ELV-0B
△	90.000				SPDBRK
					.000

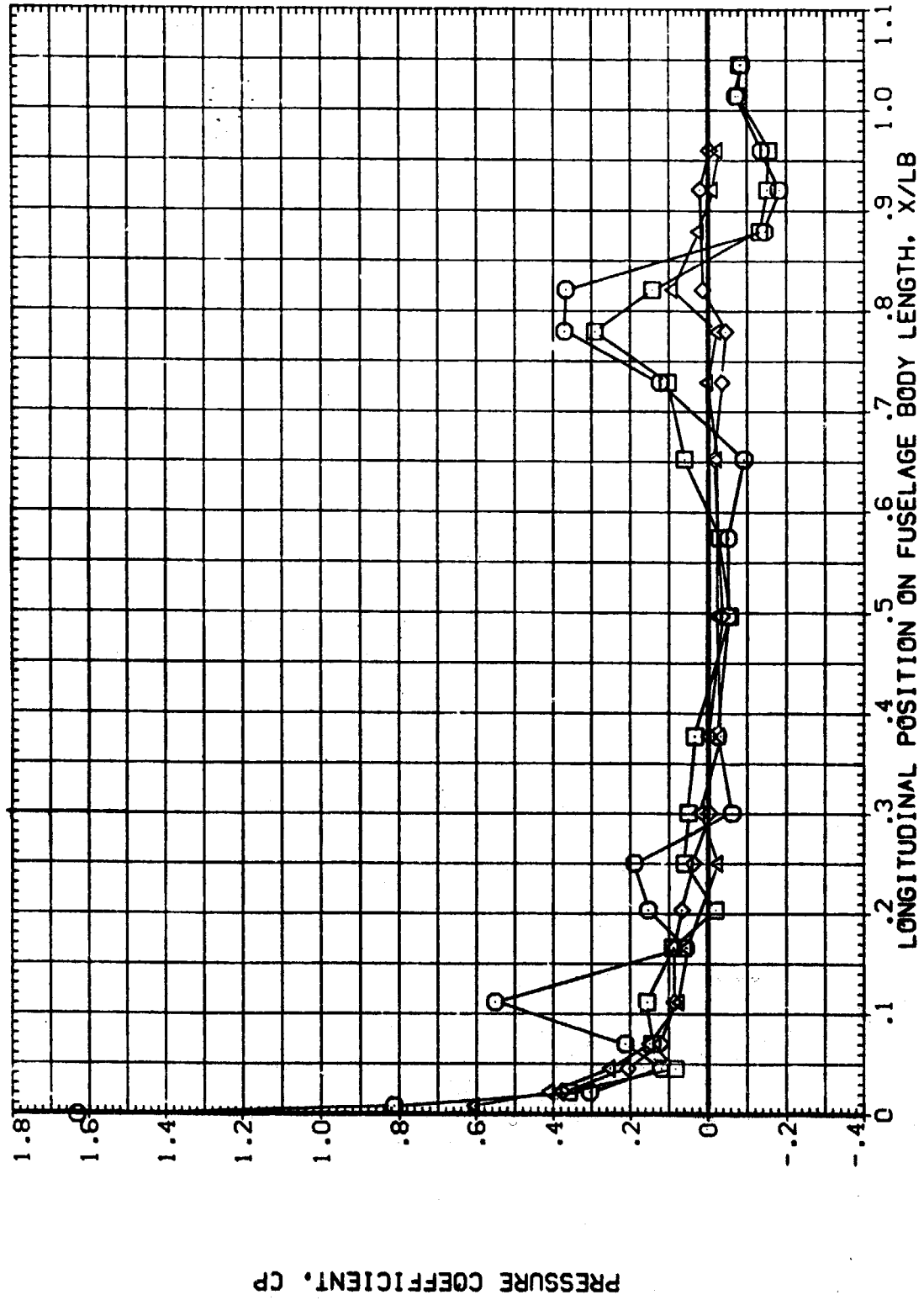


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA δ	ALPHAM δ	MACH	PARAMETRIC VALUES
○	:20.000	4.000	-4.000	ELV-18	2.500 RN/FT
□	:50.000			RUGGER	.000 ELV-08
◇	:165.000				.000 SPDGRK
△	:80.000				.000

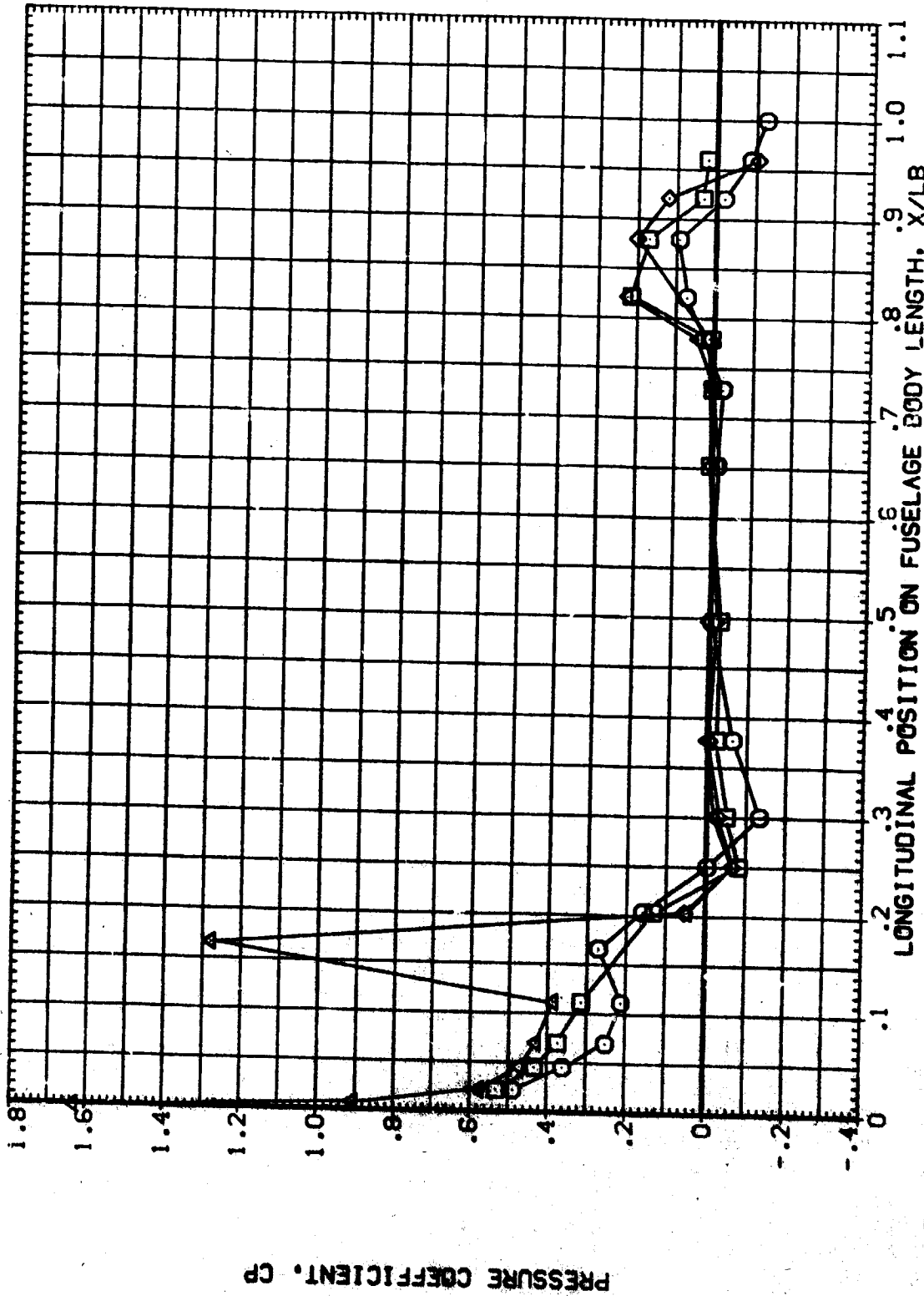


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDGRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.000	-6.000	.000	2.500	RN/FT		2.500
□	40.000			.000	ELV-08		.000
◇	70.000			.000	SPDBRK		.000
△	90.000						

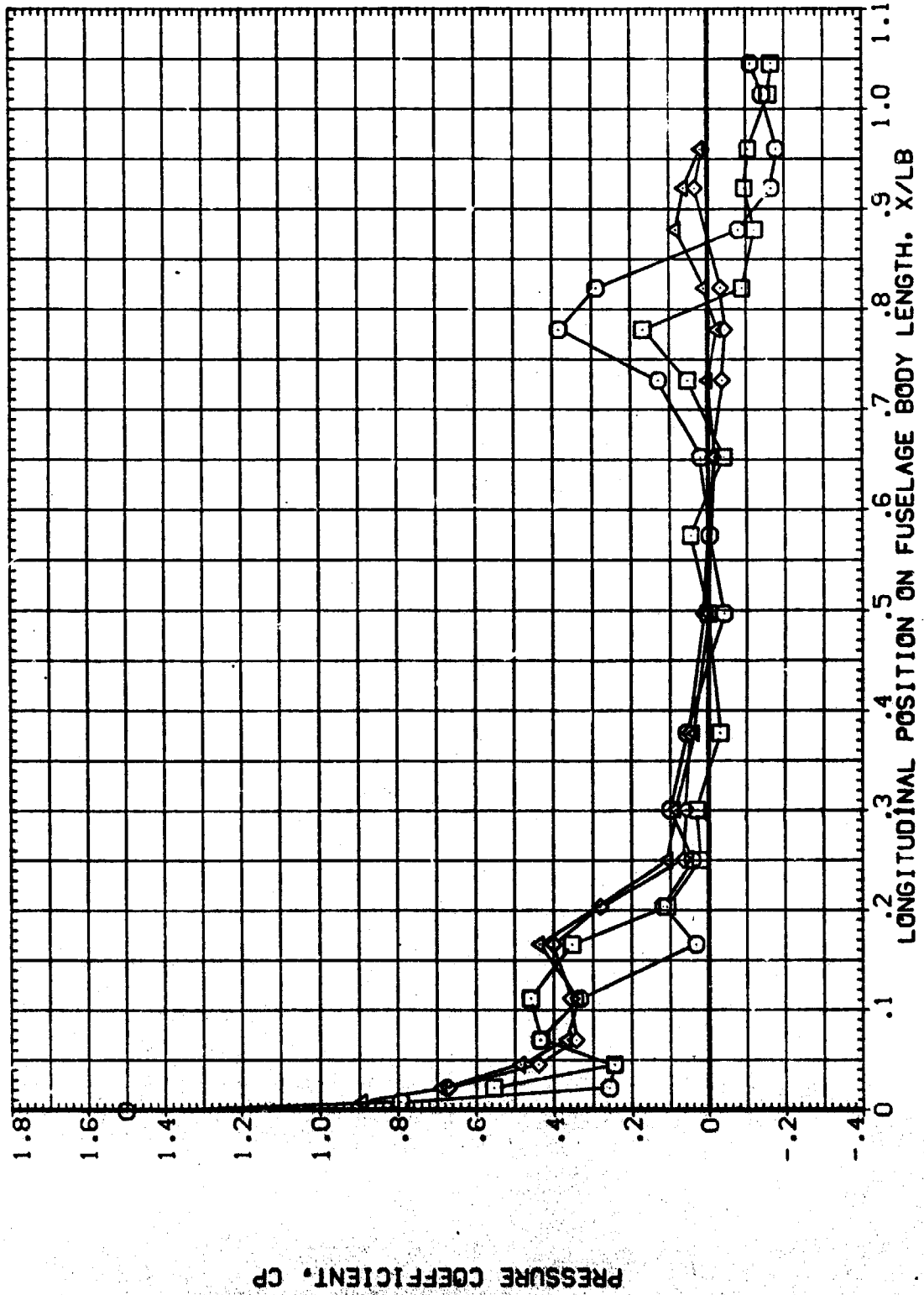


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IAS1 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB42)

PARAMETRIC VALUES	
MACH	2.500
ELV-18	.000
RUDDER	.000
SPDBRK	.000
PN1	20.000
BETA0	-6.000
ALPHA0	.000
PN2	50.000
PN3	165.000
PN4	90.000

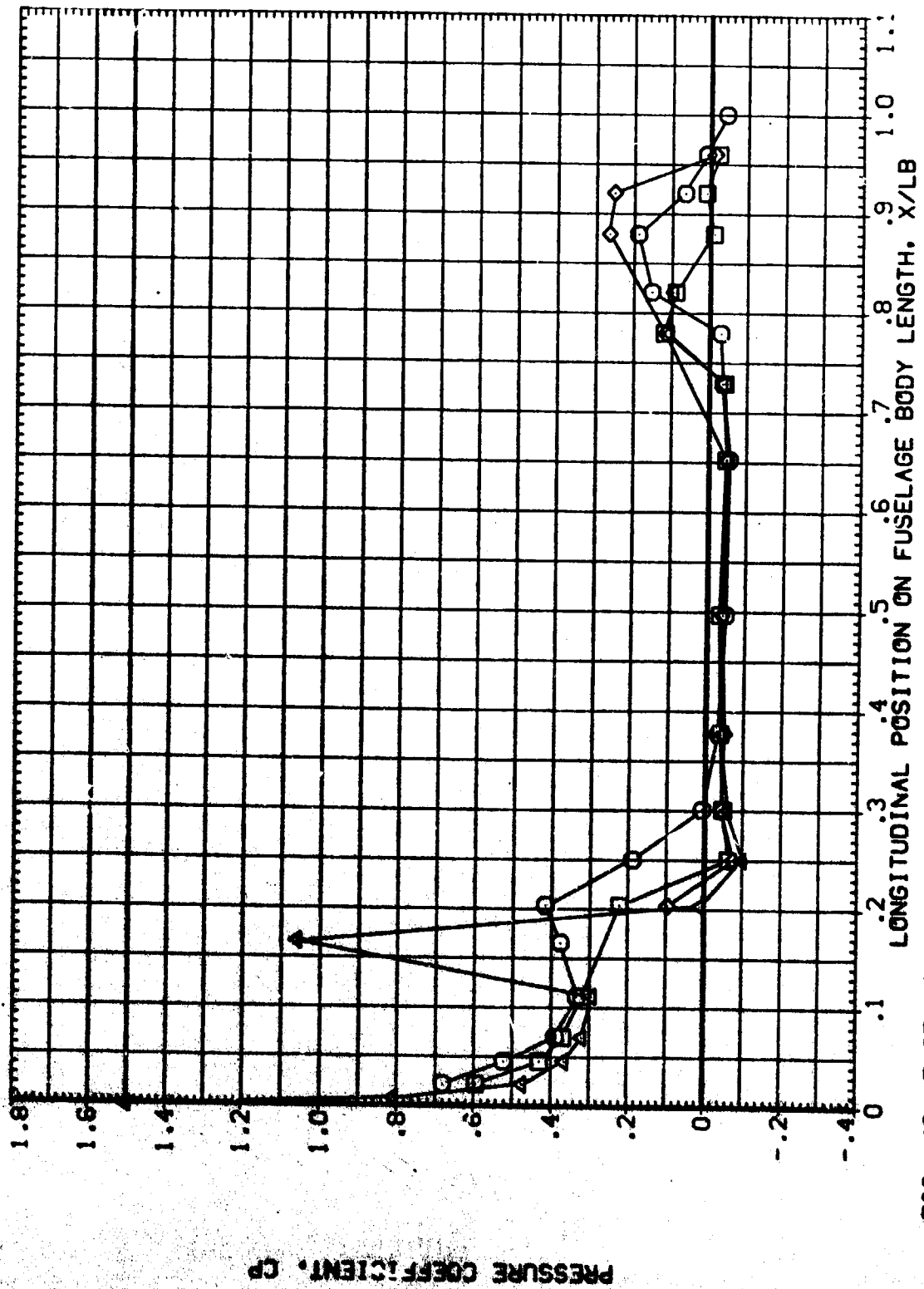


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
◇	◇	.000	-4.000	.000	MACH	2.500	RN/FT	2.500
□	□	40.000			ELV-18	.000	ELV-08	.000
△	△	70.000			RUDDER	.000	SPDRBK	.000
		90.000						

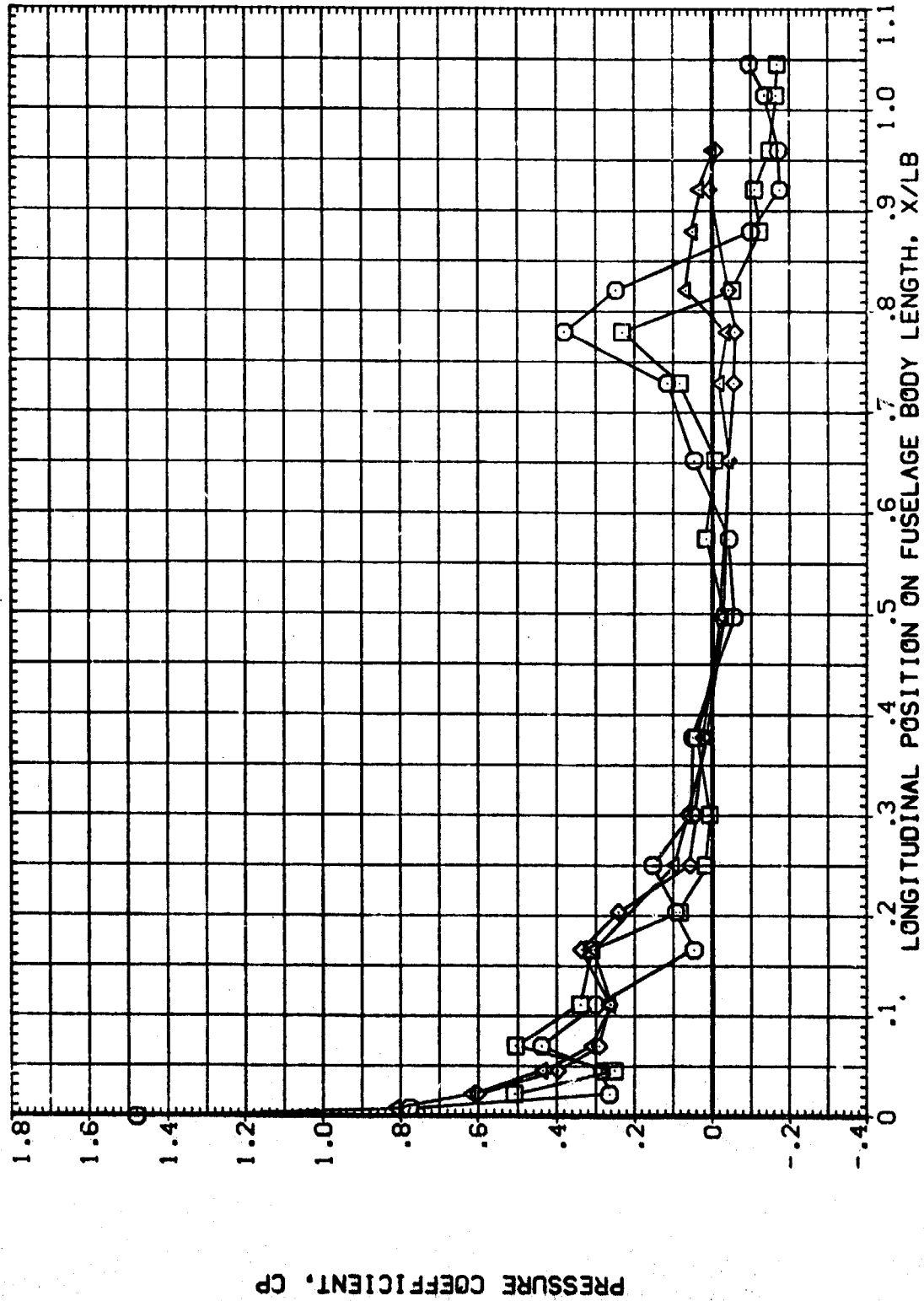


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRBK = 0, MACH = 2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

PHI		BETA0		ALPHA0		MACH		PARAMETRIC VALUES	
SYMBOL	VALUE	SYMBOL	VALUE	SYMBOL	VALUE	SYMBOL	VALUE	SYMBOL	VALUE
○	:20.000	□	-4.000	○	.000	◇	2.500	RN/FT	2.500
◇	:50.000					○	.000	ELV-OB	.000
□	:65.000					◇	.000	SPOBRK	.000
△	:80.000								

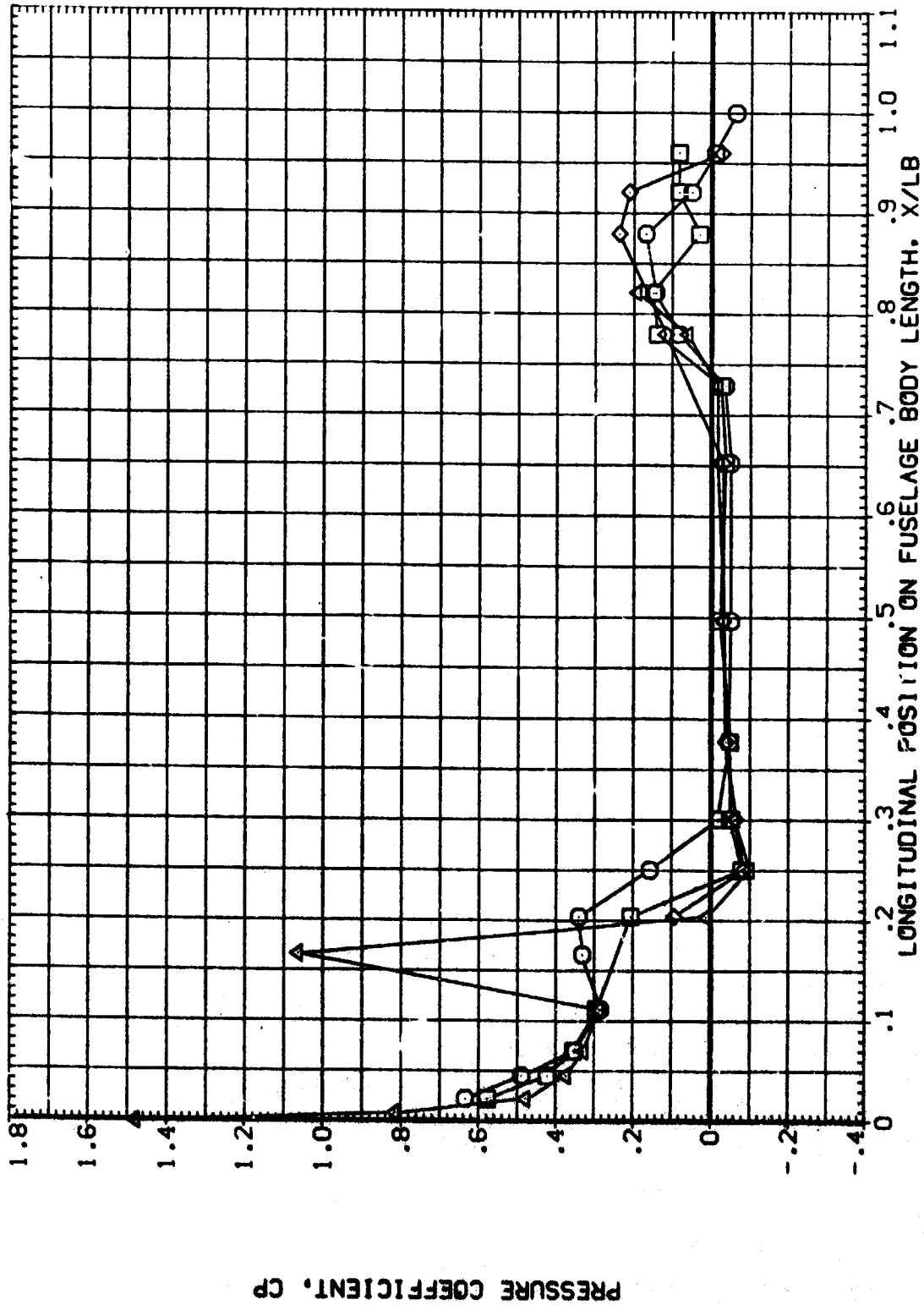


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	.000	2.500	RN/FT
□	40.000	.000	.000	2.500	ELV-OB
◇	70.000	.000	.000	2.500	SPDBRK
▽	90.000	.000	.000	2.500	SPDBRK

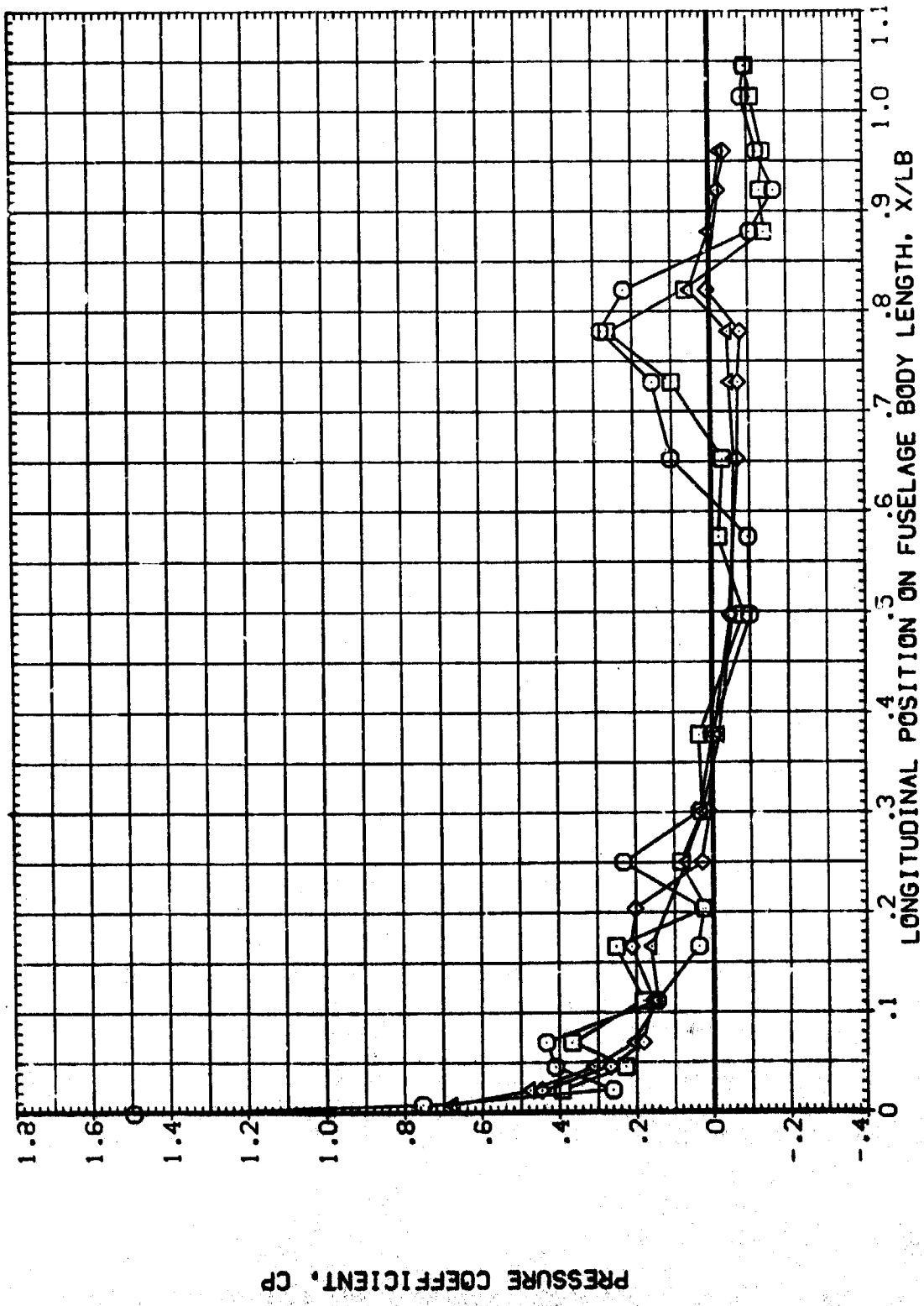


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	:20.000	.000	.000	2.500	RN/FT		2.500
□	:50.000			.000	ELV-08		.000
◇	:65.000			.000	SPDBRK		.000
△	:80.000						

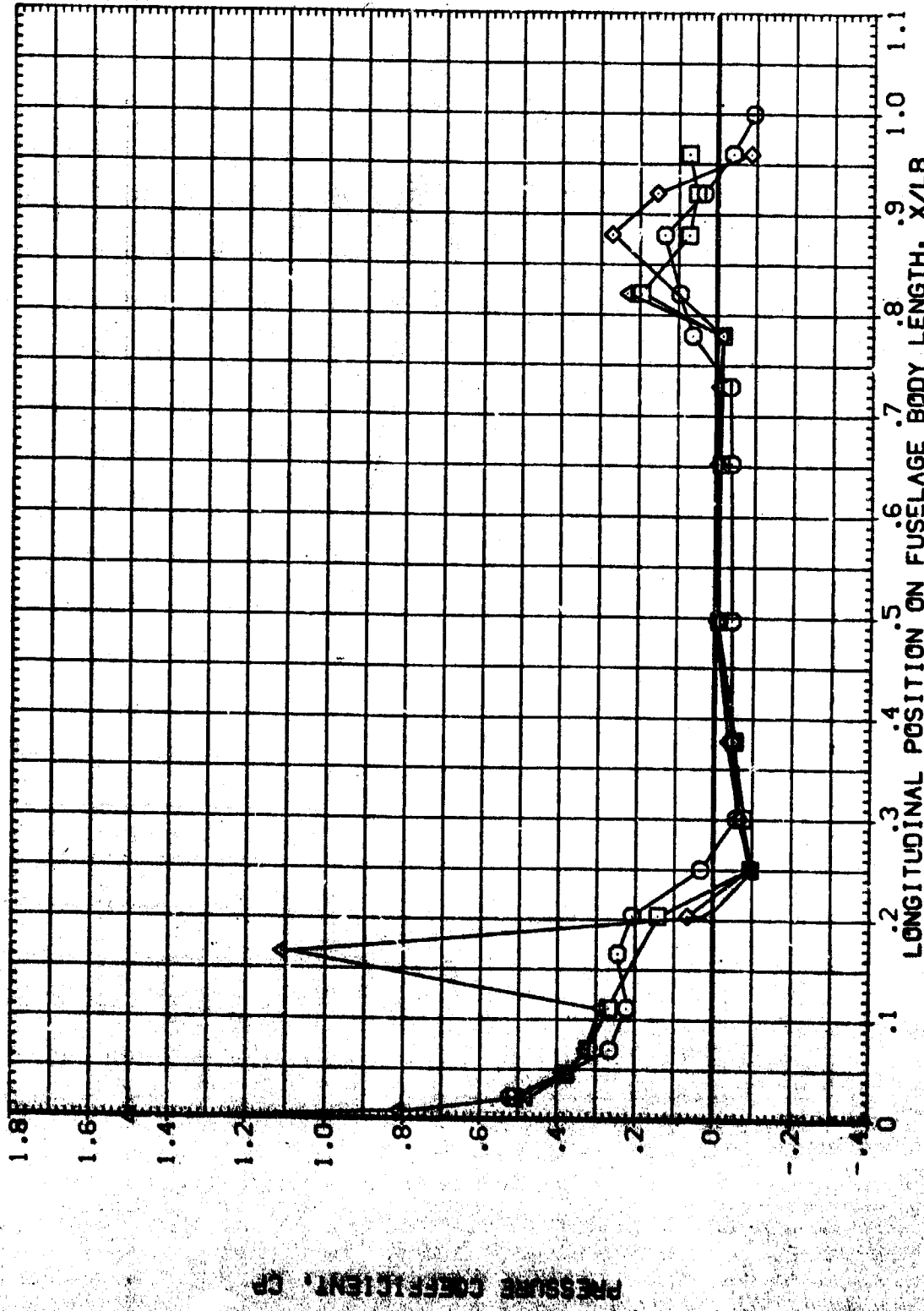


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI		BETA θ		ALPHA θ		PARAMETRIC VALUES				
	40.000	70.000	4.000	4.000	.000	.000	MACH	ELV-IB	RN/FT	ELV-OB	SPDBRK
○							2.500	.000	2.500	.000	.000
□							2.500	.000	2.500	.000	.000
◇							2.500	.000	2.500	.000	.000
△							2.500	.000	2.500	.000	.000

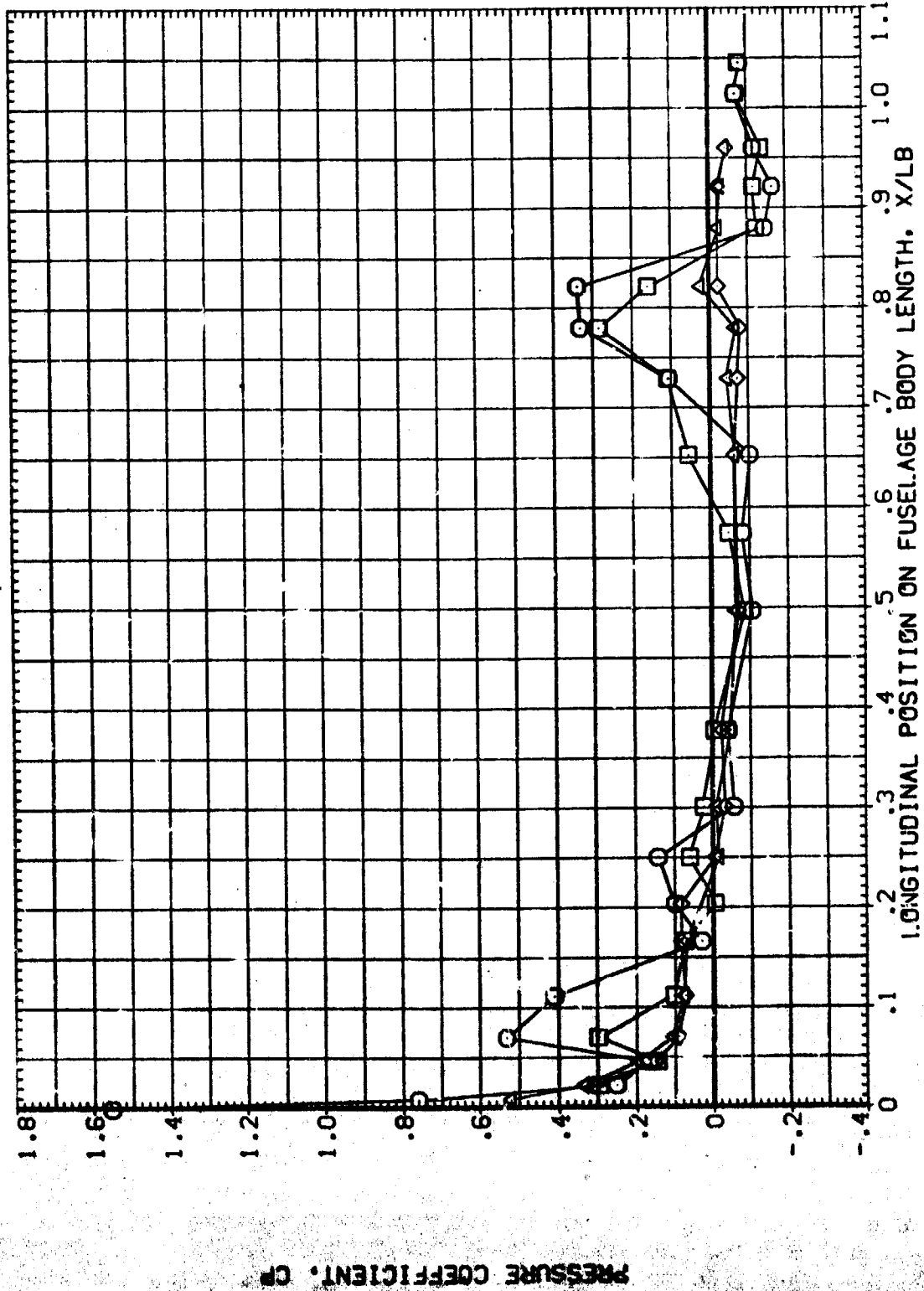


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-319 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB42)

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-OB .000
 .000 SPDBRK .000

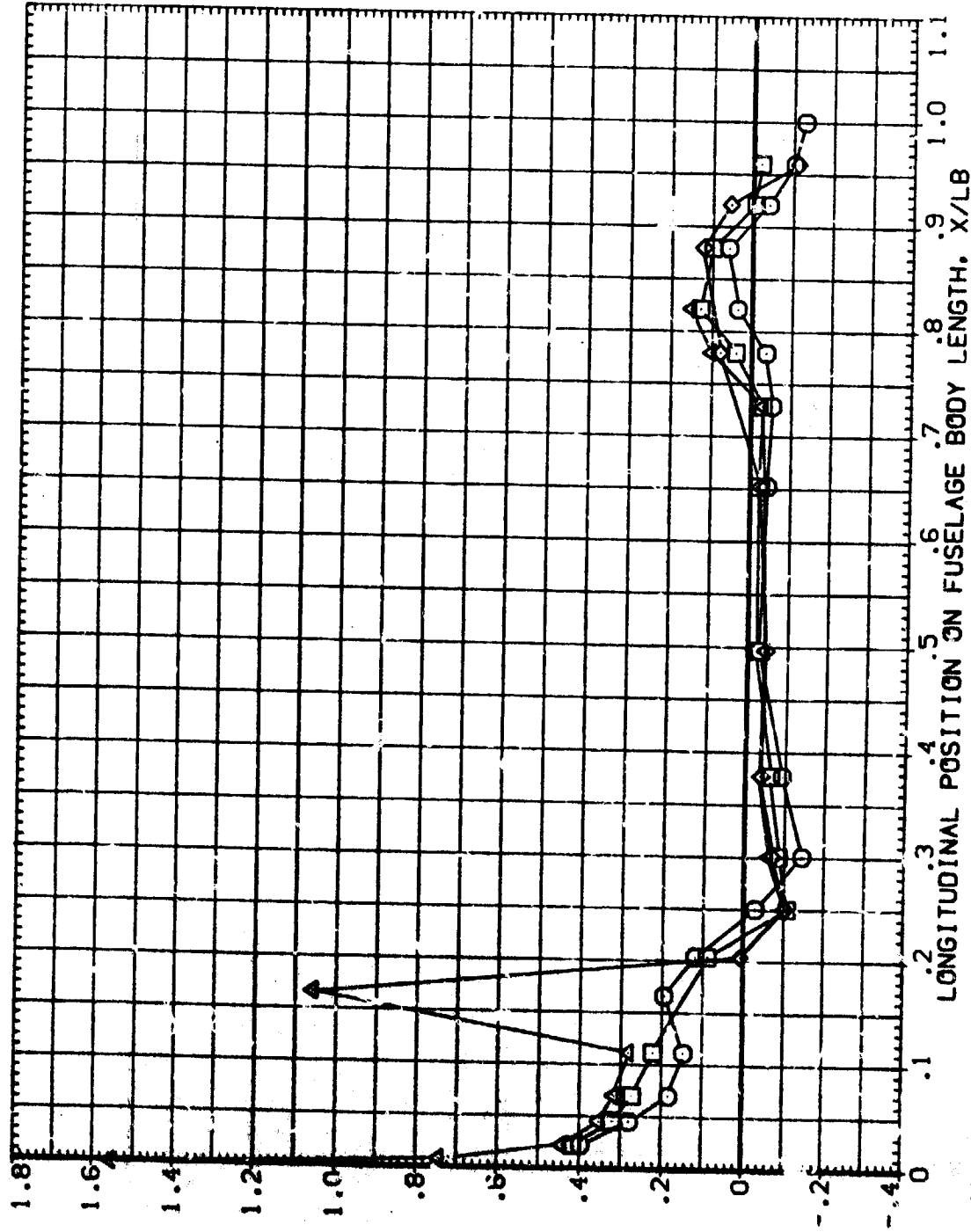
MACH
 ELV-IB
 RUDDER

ALPHA
 .000

BETA
 4.000

PHI
 20.000
 50.000
 80.000

SYMBOL
 ◊
 □
 ○



PRESSURE COEFFICIENT, CP

FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IE1B42)

PHI	BETA	ALPHA	PARAMETRIC VALUES		
.000	5.000	.000	2.500	RN/FT	2.500
40.000			.000	ELV-OB	.000
70.000			.000	SPOCRK	.000
90.000					

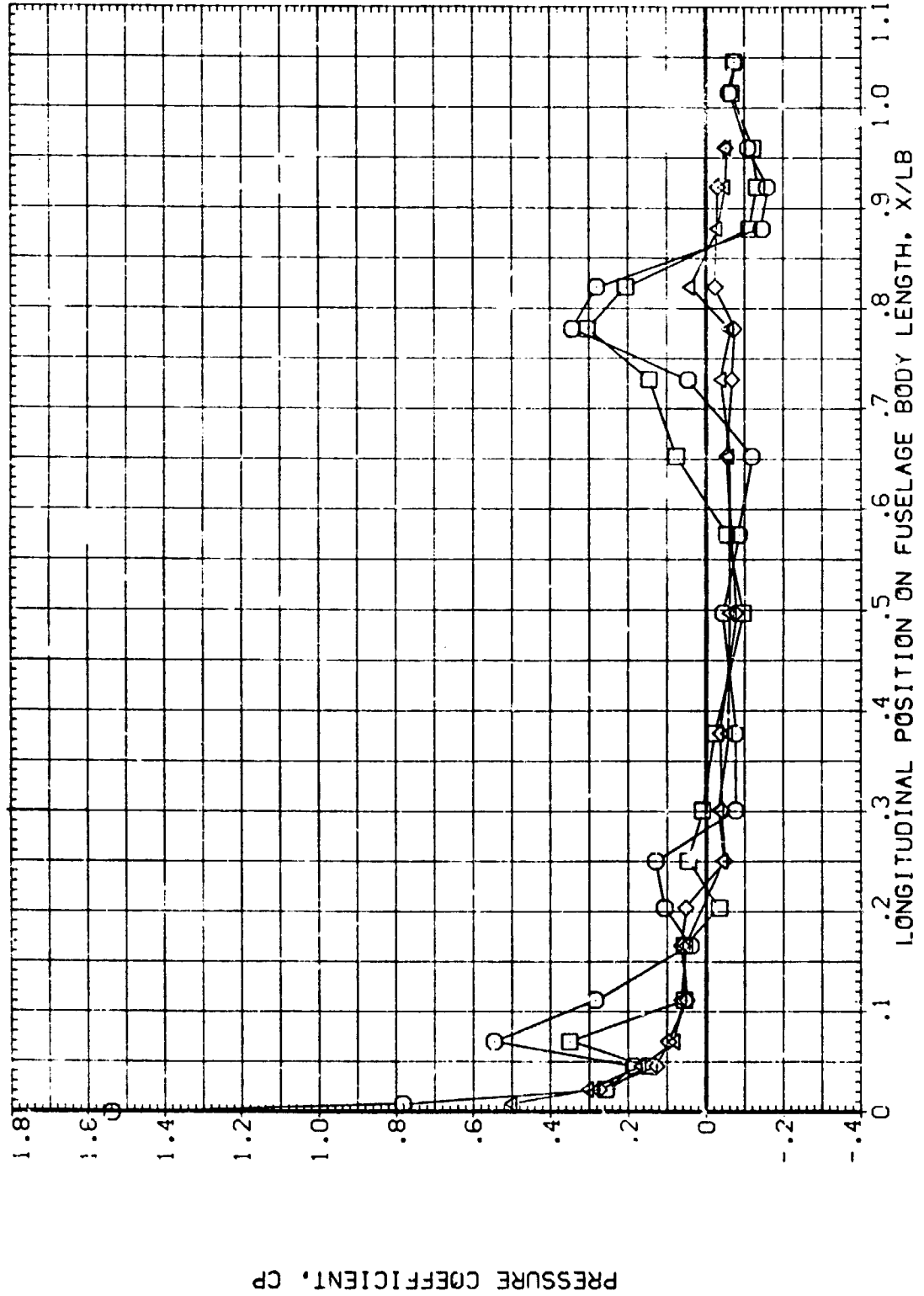


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-319 1A81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETAC	ALPHAO	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-OB	SPOBRK
○	20.000	6.000	.000	2.500	.000	.000	2.500	.000	.000	.000
□	50.000									
◇	165.000									
△	80.000									

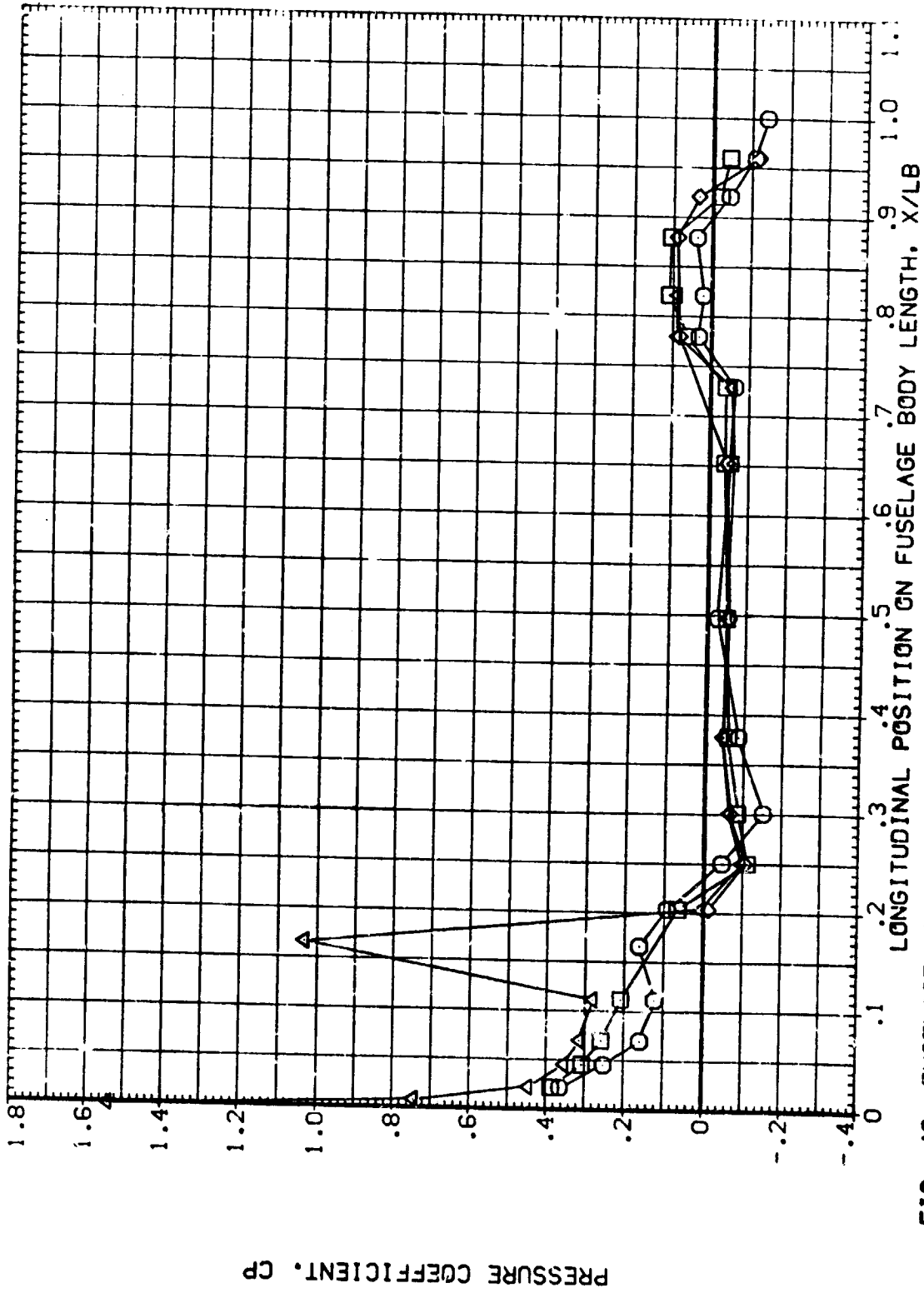


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALEJ) ORB. FUSELAGE (IETB42)

PARAMETRIC VALUES	
PHI	2.500
BETA	4.000
ALPHA	2.500
MACH	0.000
ELV-1B	0.000
RUSDR	0.000
ELV-0B	0.000
SPDBRK	0.000

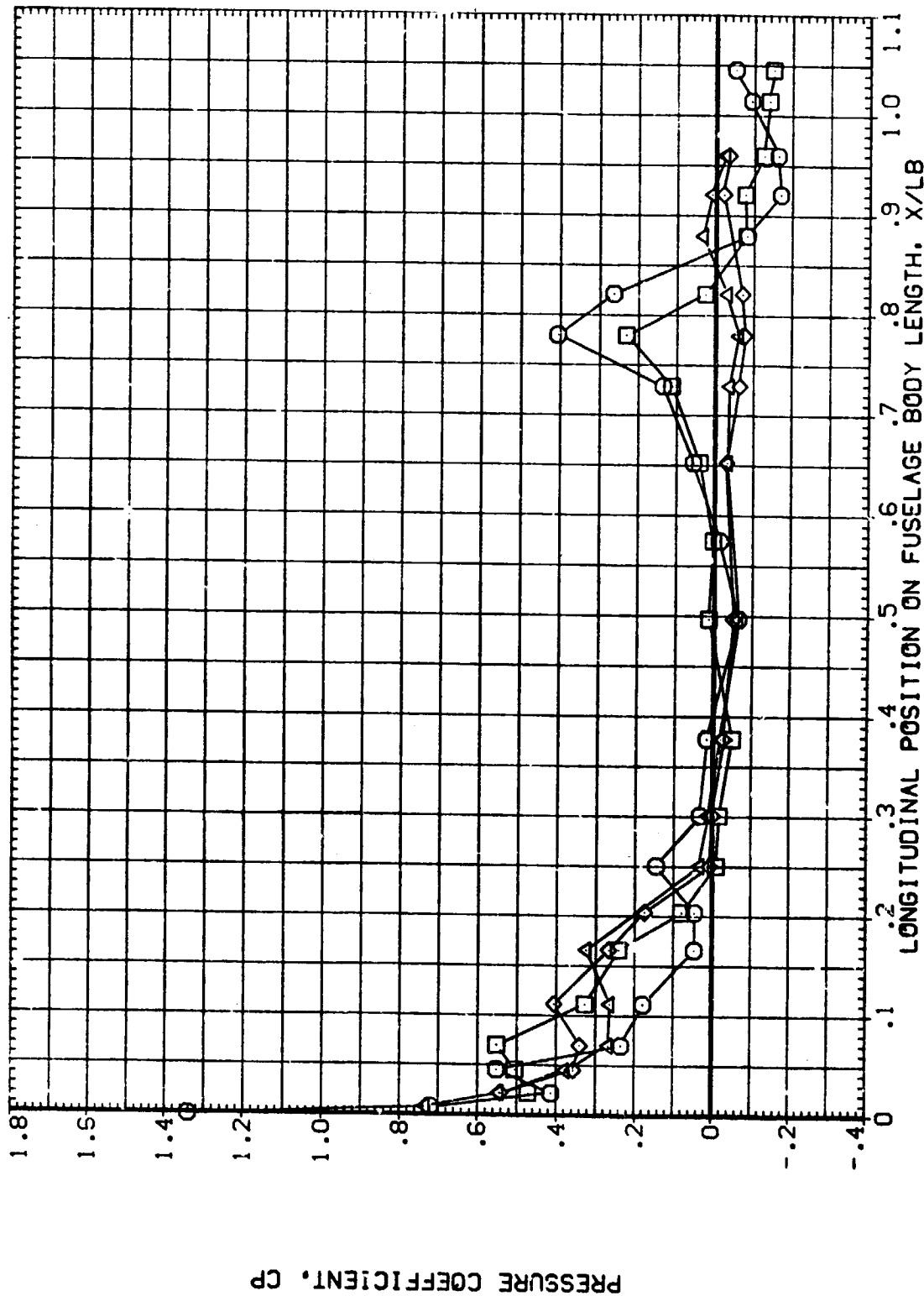


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	120.000	-4.000	4.000	ELV-1B	2.500
□	150.000			RUDDER	.000
◇	165.000			ELV-08	.000
△	180.000			SPDBRK	.000

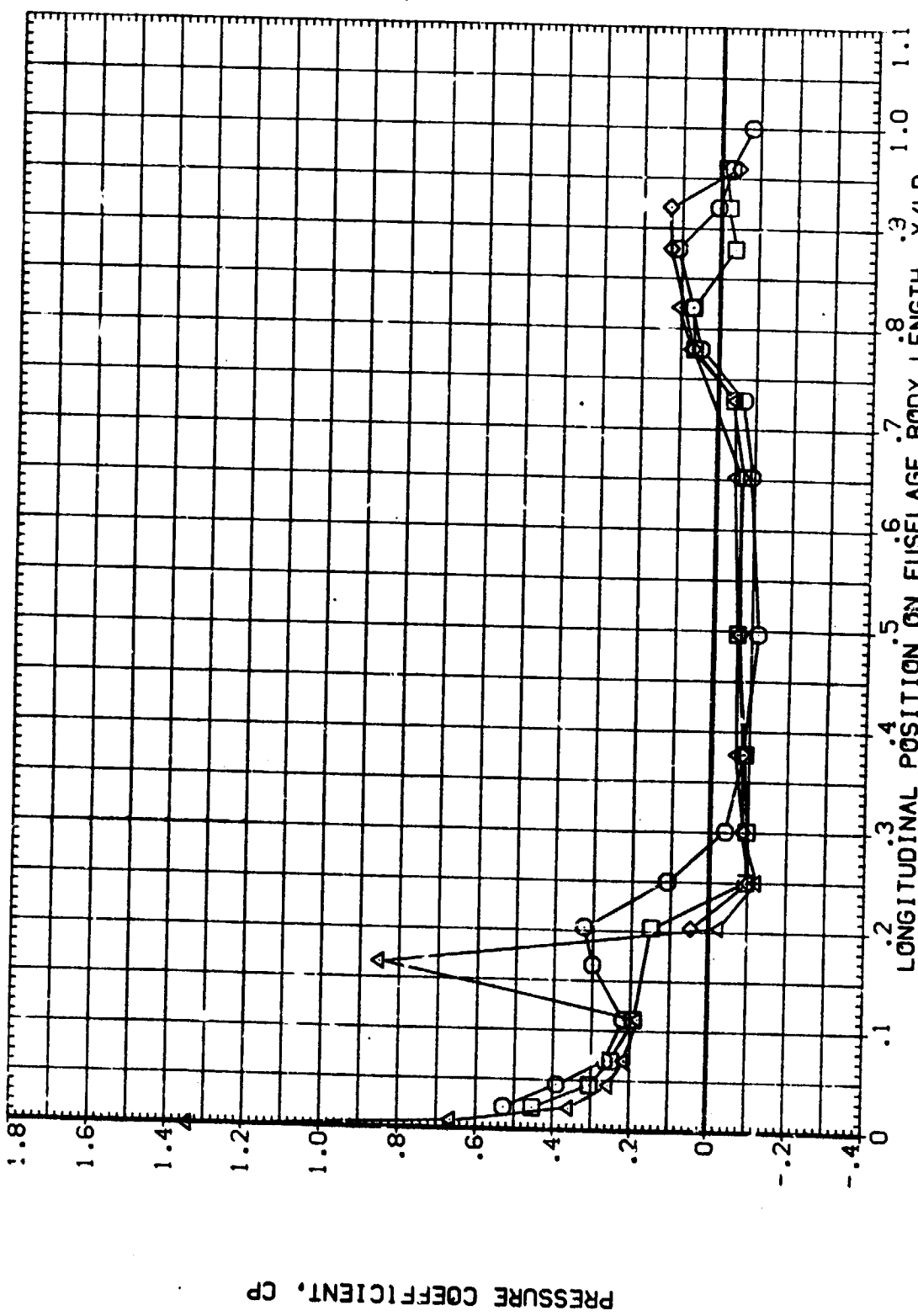


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(CALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETAC	ALPHAO	MACH	PARAMETRIC VALUES
○	.000	.000	4.000	ELV-18	2.500 RN/FT
□	40.000			RUDDER	.000 ELV-OB
◇	70.000				.000 SPDBRK
▽	90.000				.000

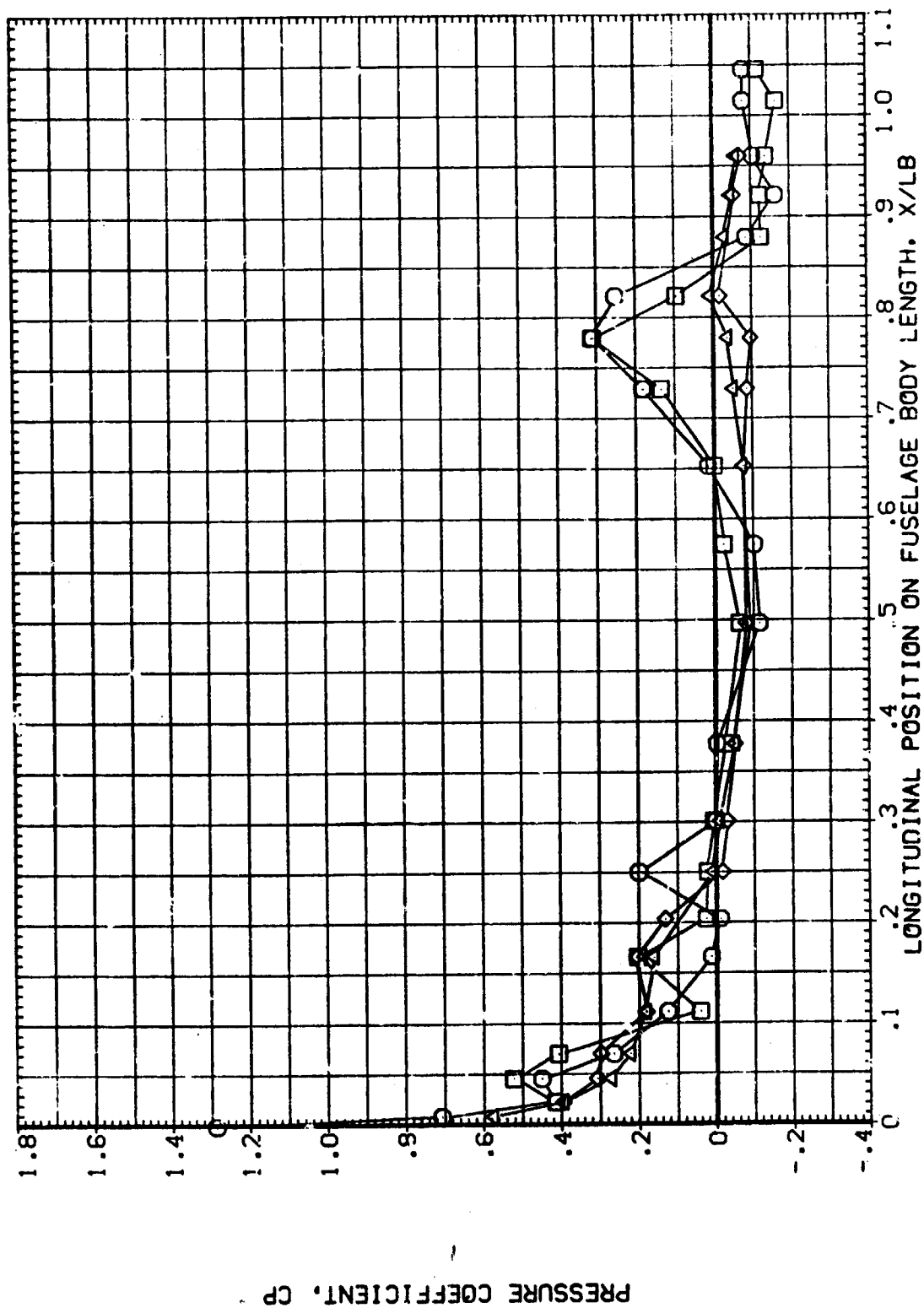


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (JETB42)

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-OB .000
 .000 SPDBRK .000

MACH
 ELV-IB
 RUDDER

ALPHAD 4.000

BETAD .000

PHI
 :20.000
 :50.000
 :65.000
 :80.000

SYMBOL
 □
 ◇
 △

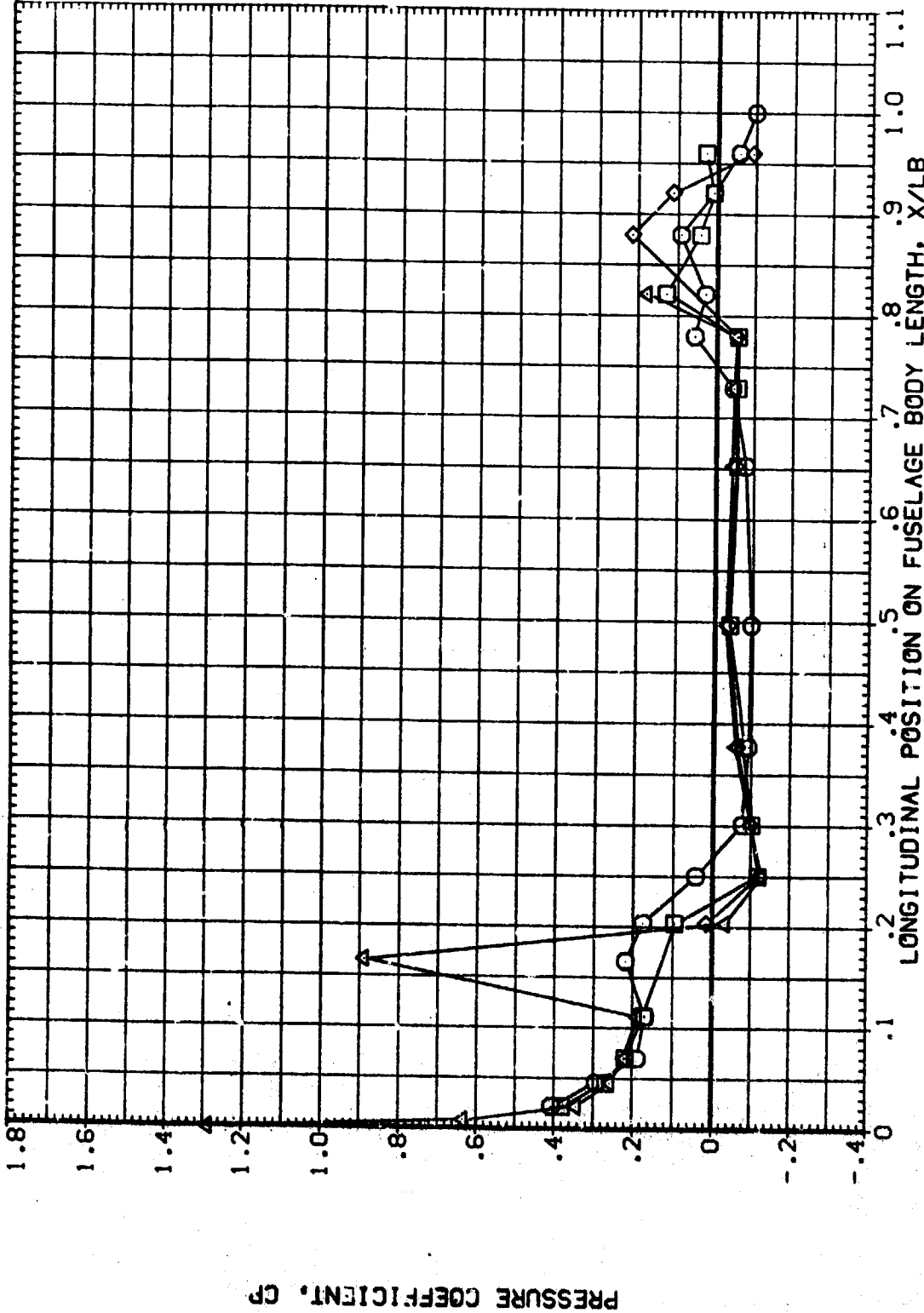


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC27-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA θ	ALPHA θ	MACH	PARAMETRIC VALUES
○	.000	4.000	1.000	ELV-18	2.500
□	40.000			RUDDER	RN/FT
◇	70.000				.000
△	90.000				ELV-08
					SPDRK
					.000

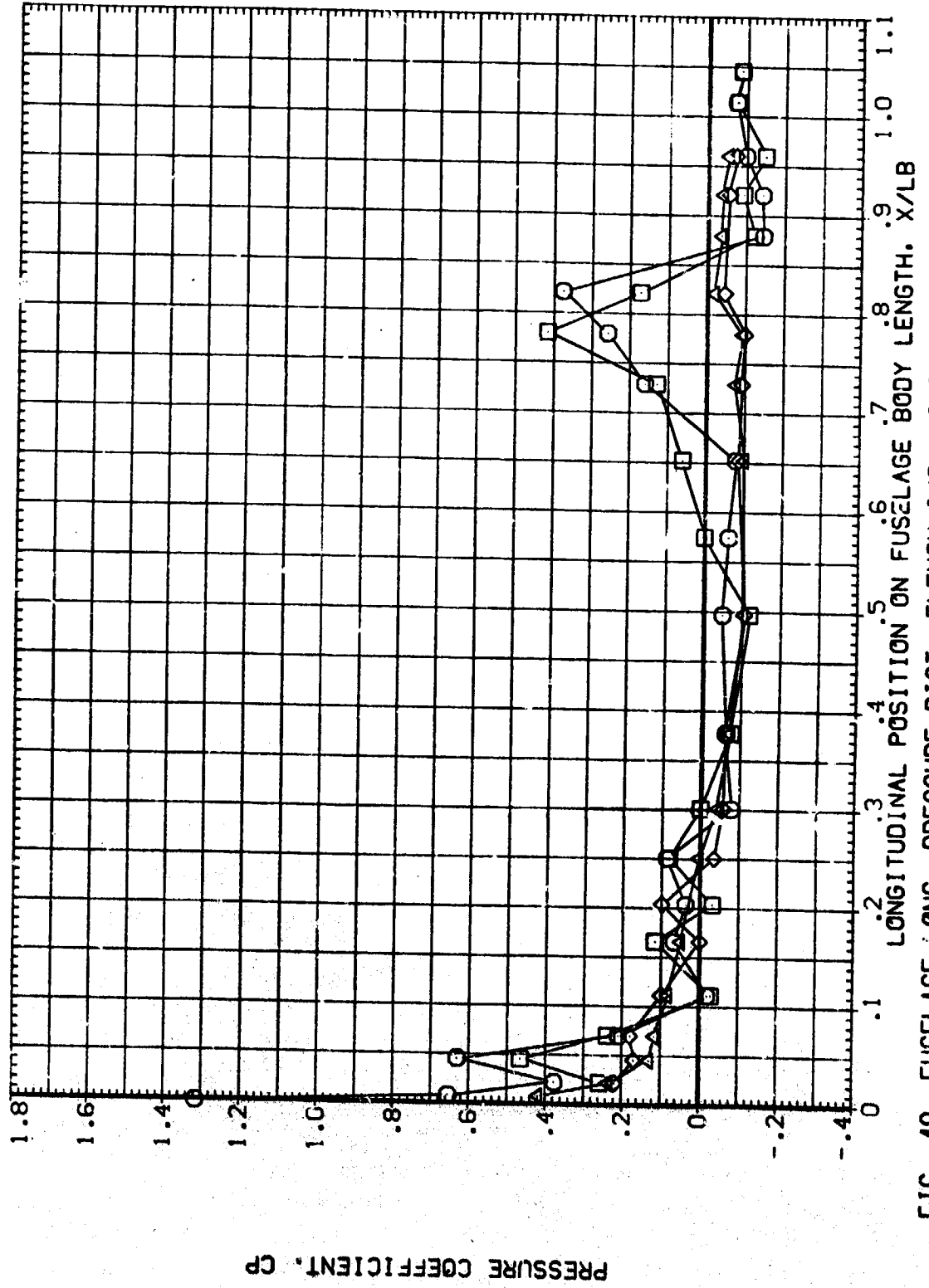


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALL HL SEALED) ORB. FUSELAGE (IET842)

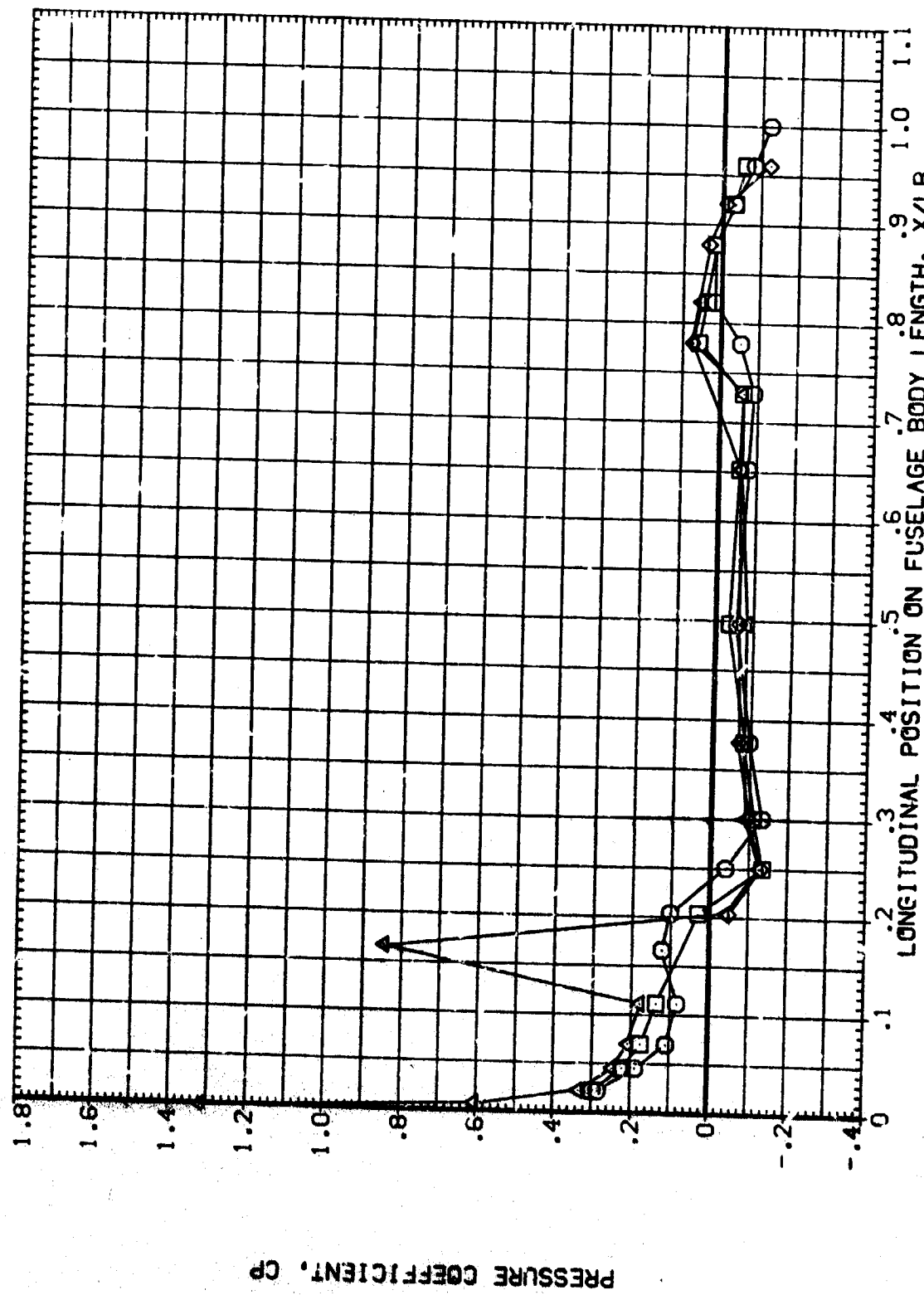
S/N/OOL
 PHI 120.000
 50.000
 165.000
 80.000

BETA0 4.000
 ALPHAO 4.000

MACH
 ELV-1B
 RUDDER

PARAMETRIC VALUES
 2.500
 .000
 .000

RN/FT 2.500
 ELV-0B .000
 SPOBRK .000



PRESSURE COEFFICIENT, CP

FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETA θ	ALPHA θ	MACH	PARAMETRIC VALUES
○	.000	.000	6.000	ELV-1B	2.500 RN/FT
□	40.000			RUDDER	.000 ELV-OB
◇	70.000				.000 SPDBRK
△	90.000				.000

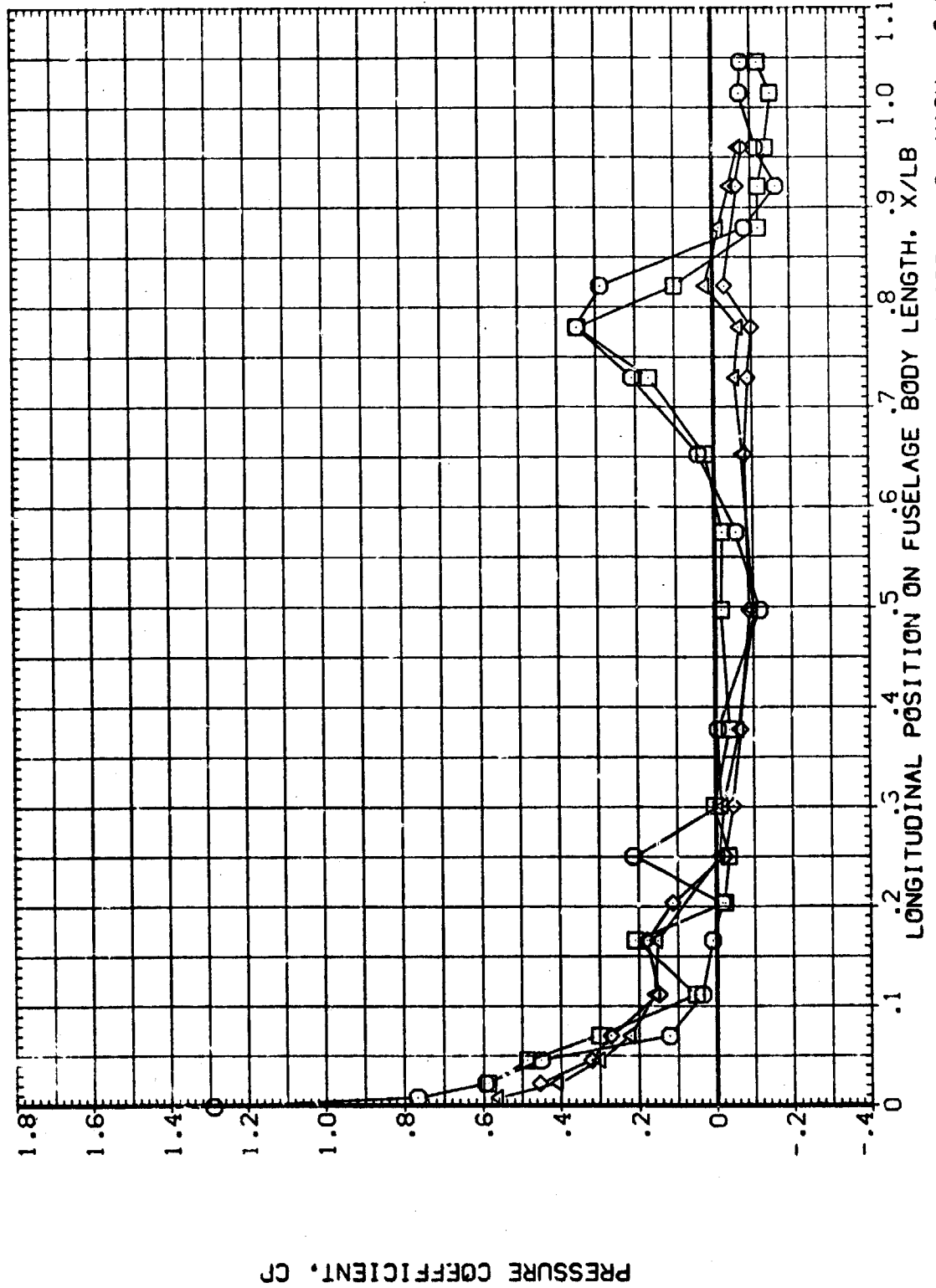


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) ORB. FUSELAGE (IETB42)

SYMBOL	PHI	BETAC	ALPHAO	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPDBRK
○	20.000	.000	6.000	2.500	.000			2.500	.000	.000
◇	50.000			.000	.000					
△	80.000									

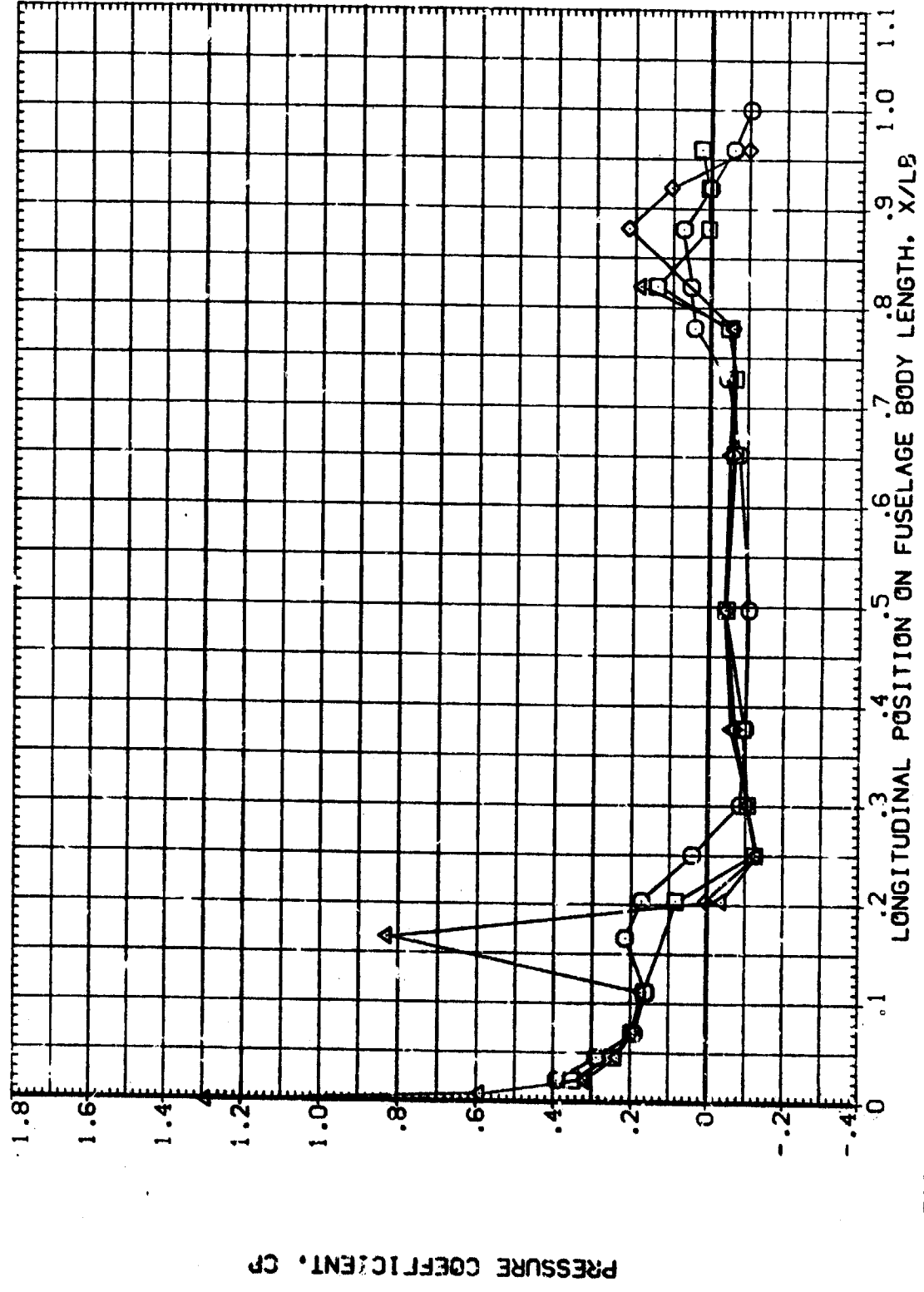


FIG. 48 FUSELAGE LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 1.550 RN/FT 2.500
 .000 ELV-OB .000
 .000 SPOBRK .000

MACH
 ELV-1B
 RUDDER

BETAT .000
 ALPHAT -6.000

PHI
 .000
 30.000
 60.000
 90.000
 120.000

SYMBOL
 ▲
 ◆
 ○
 □

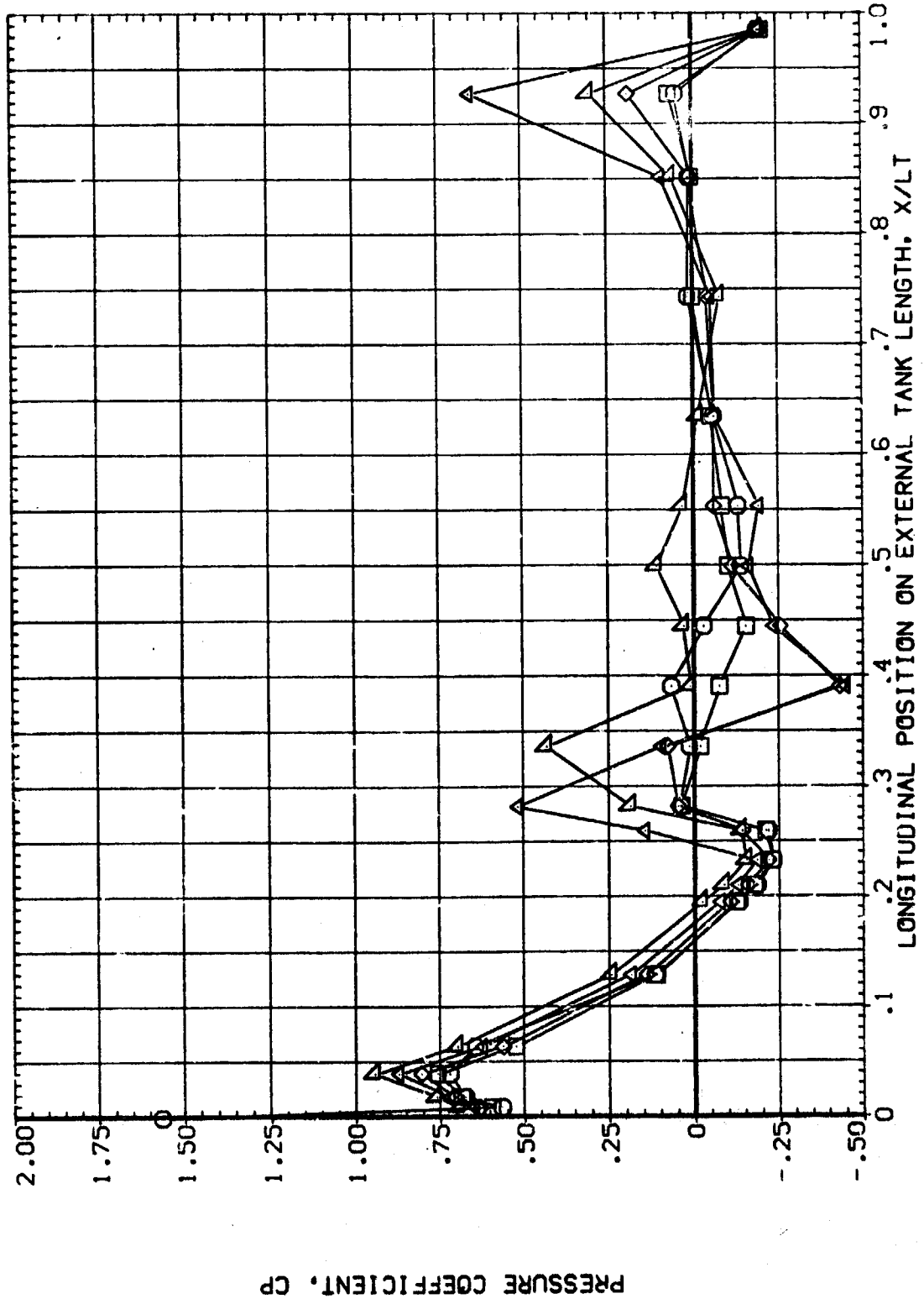


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-1B .000 ELV-08 .000
 RUDDER .000 SPDGRK .000

PHI 135.000 ALPHAT -6.000
 BETAT .000
 SYMBOL O □ ◇ △

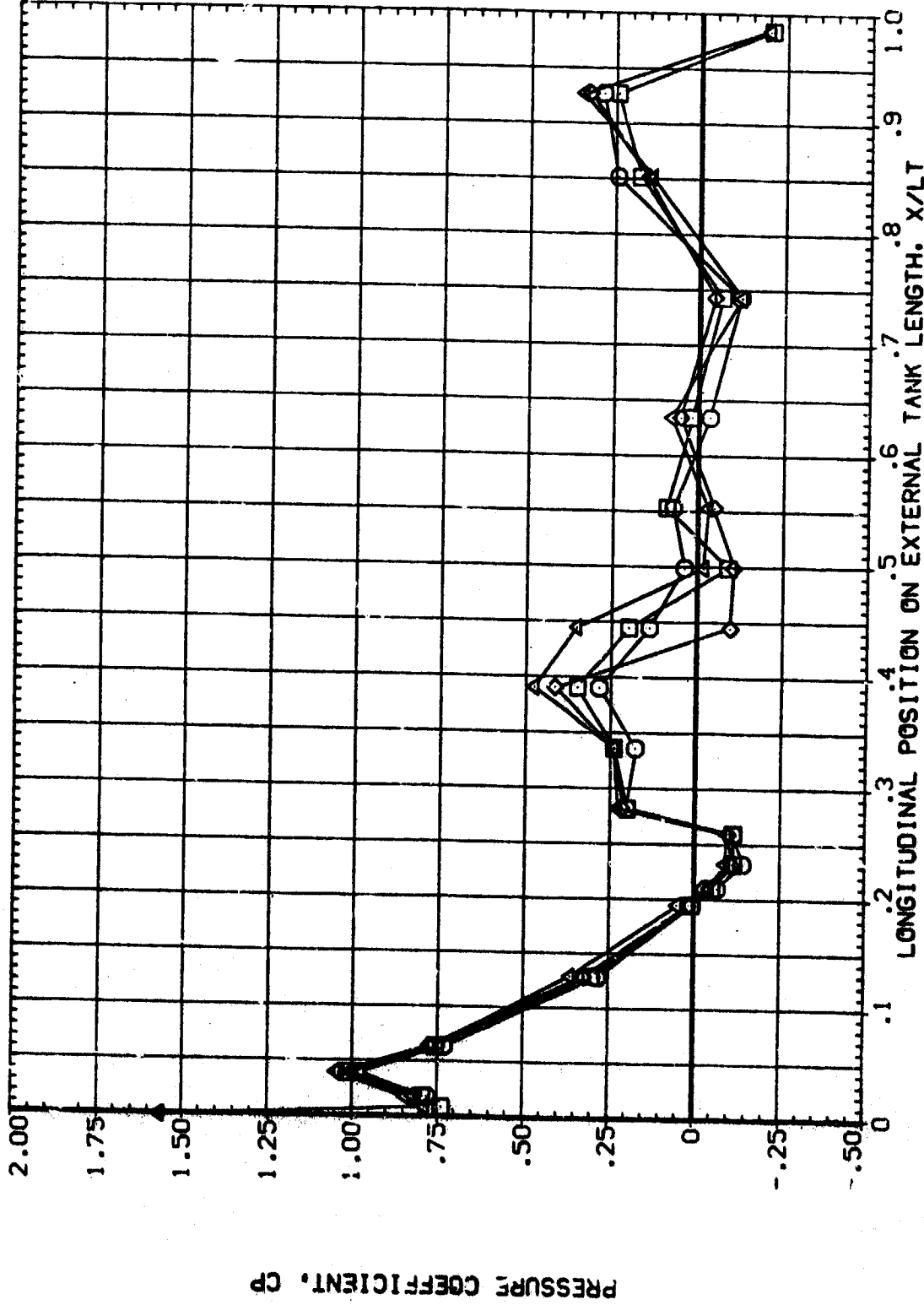


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDGRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
.000	-4.000	-4.000	ELV-18	1.550
30.000			RUDDER	.000
60.000			ELV-08	.000
90.000			SPOBRK	.000
.20.000				

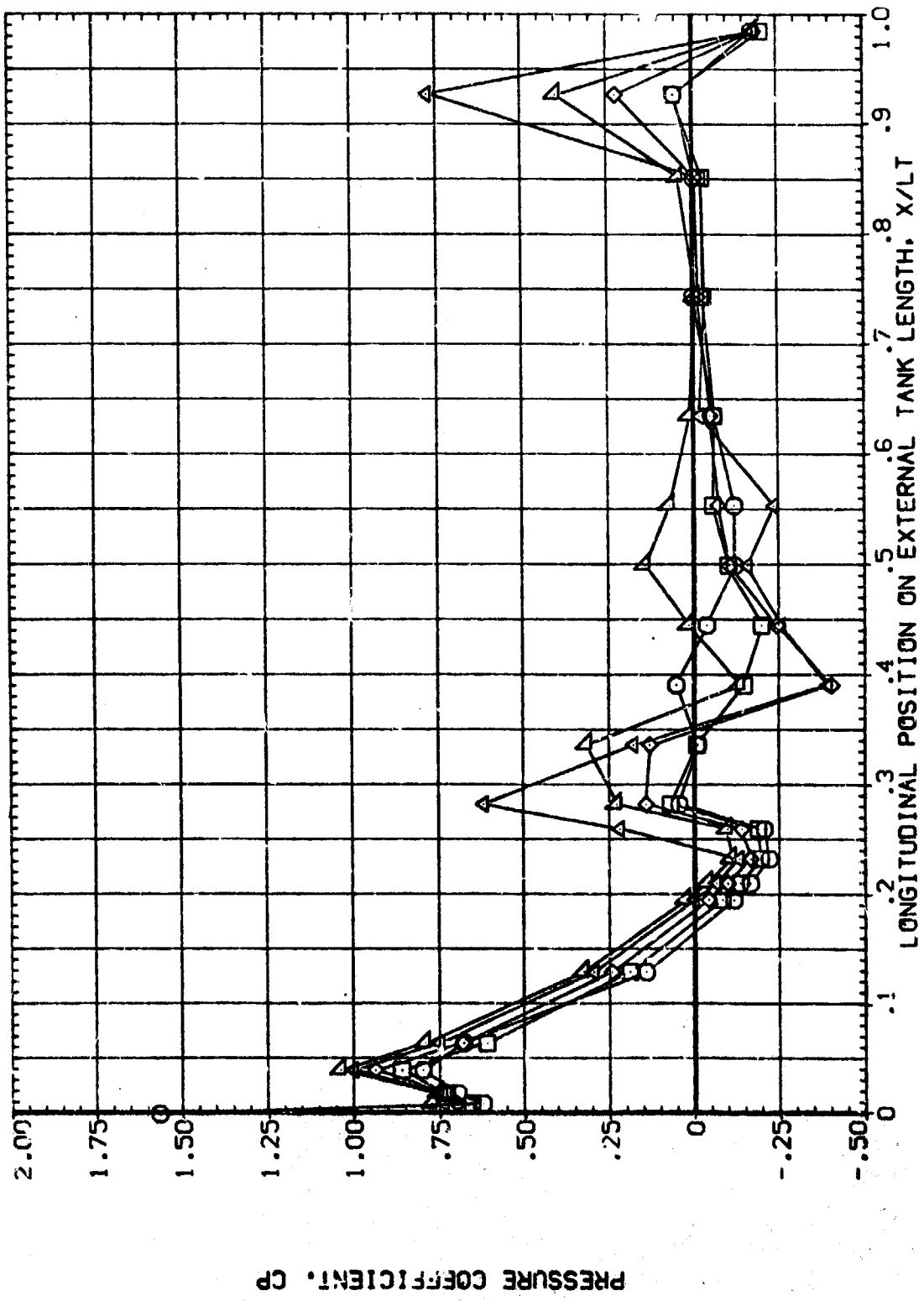


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IAS1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL PHI %ETAT ALPHAT
 ◊ :35.000 -4.000
 ◻ :47.000
 ◻ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPD8RK .000

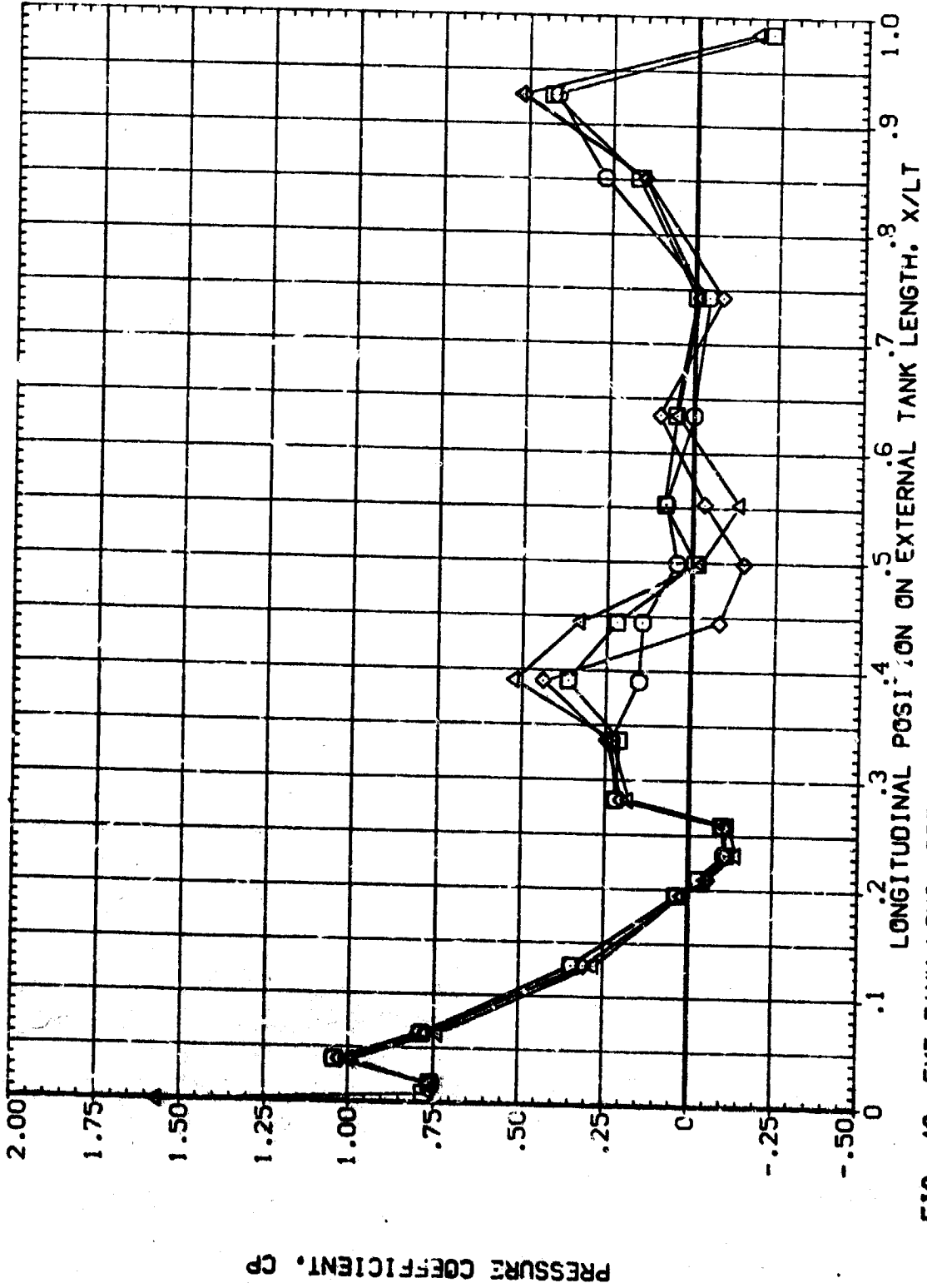


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK. (IETT39)

C-3

PHI	BETAT	ALPHAT	MACH	ELV-1B	PARAMETRIC VALUES	RN/FT	ELV-0B	SPOBRK
.000	.000	-4.000	1.550	RUDDER	1.550	.000	.000	.000
30.000								
60.000								
90.000								
.20.000								

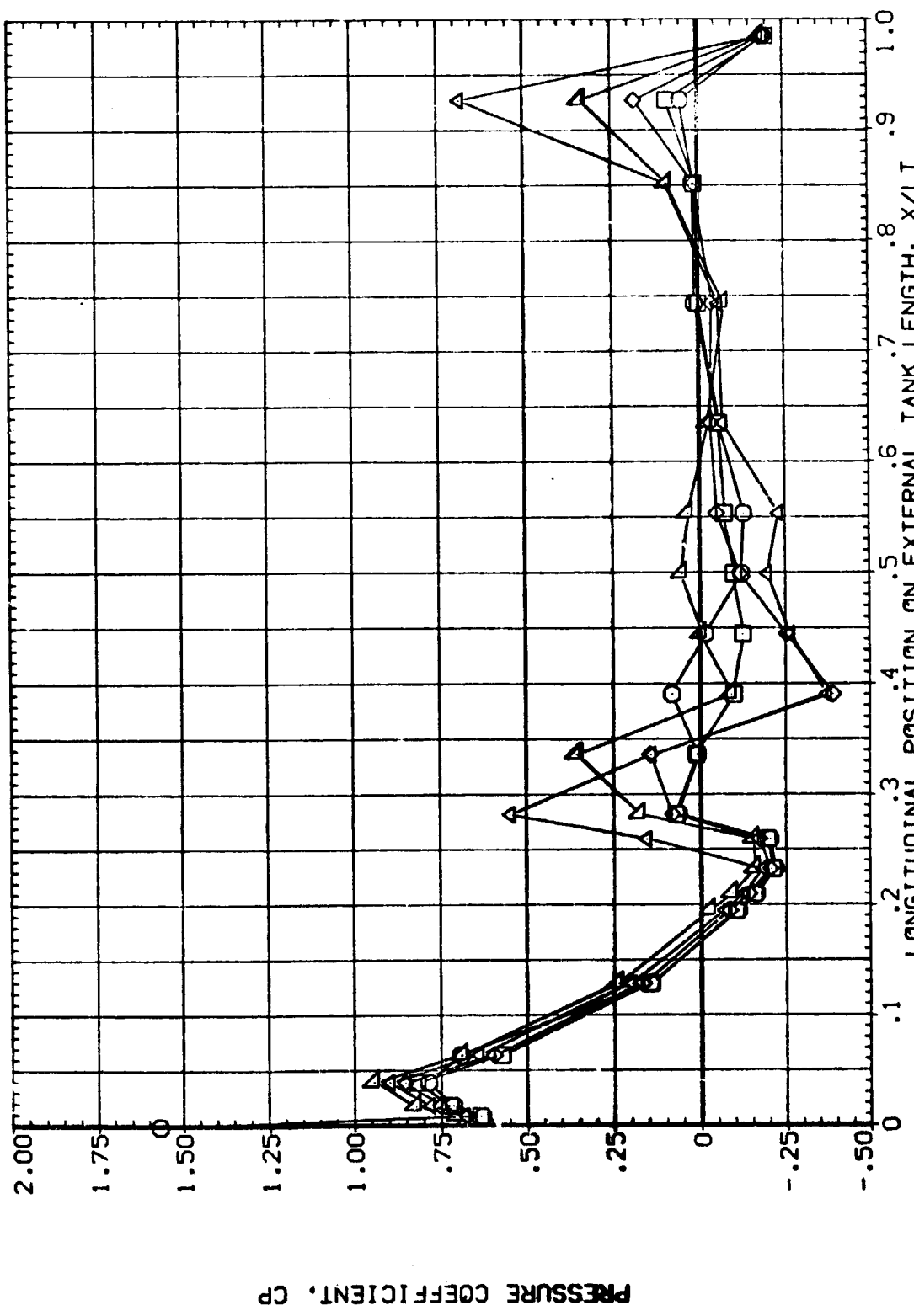


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	.000	-4.000	ELV-1B	1.550 RN/FT 2.500
□	:7.000			RUDDER	.000 ELV-08 .000
◇	:12.000				.000 SPOBRK .000
△	:80.000				

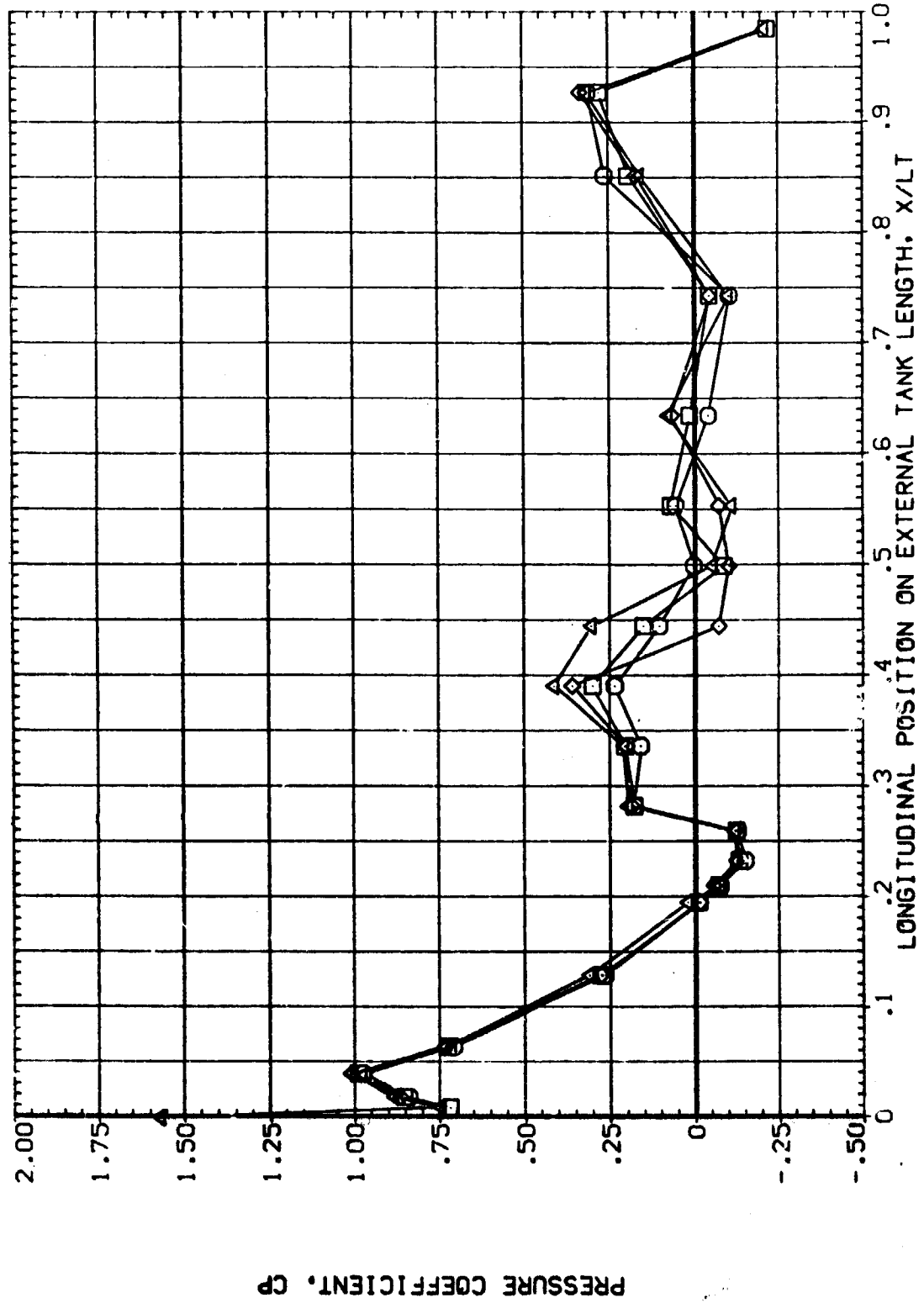


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PHI	BETAT	ALPHAT	PARAMETRIC VALUES
.000	4.000	-4.000	MACH
30.000			ELV-1B
60.000			RUDDER
90.000			ELV-0B
.20.000			SPOBRK
			2.500
			.000
			.000

SYMBOL

○

□

◇

△

▽

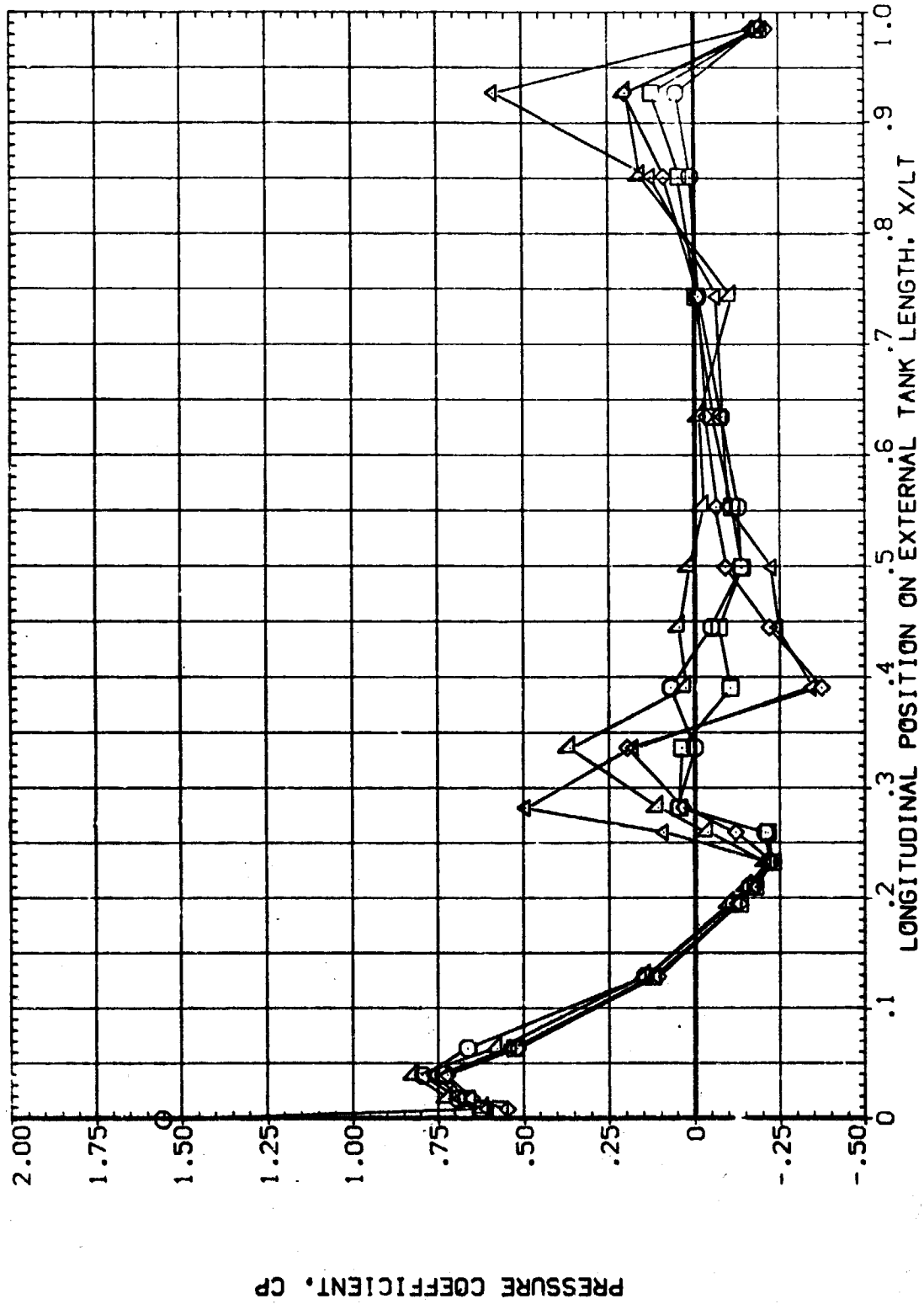


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
◇	.35.000	4.000	-4.000	1.550	.000	.000	1.550	.000	.000	.000
□	.47.000			.000	.000	.000	.000	.000	.000	.000
◇	.62.000									
▽	.80.000									

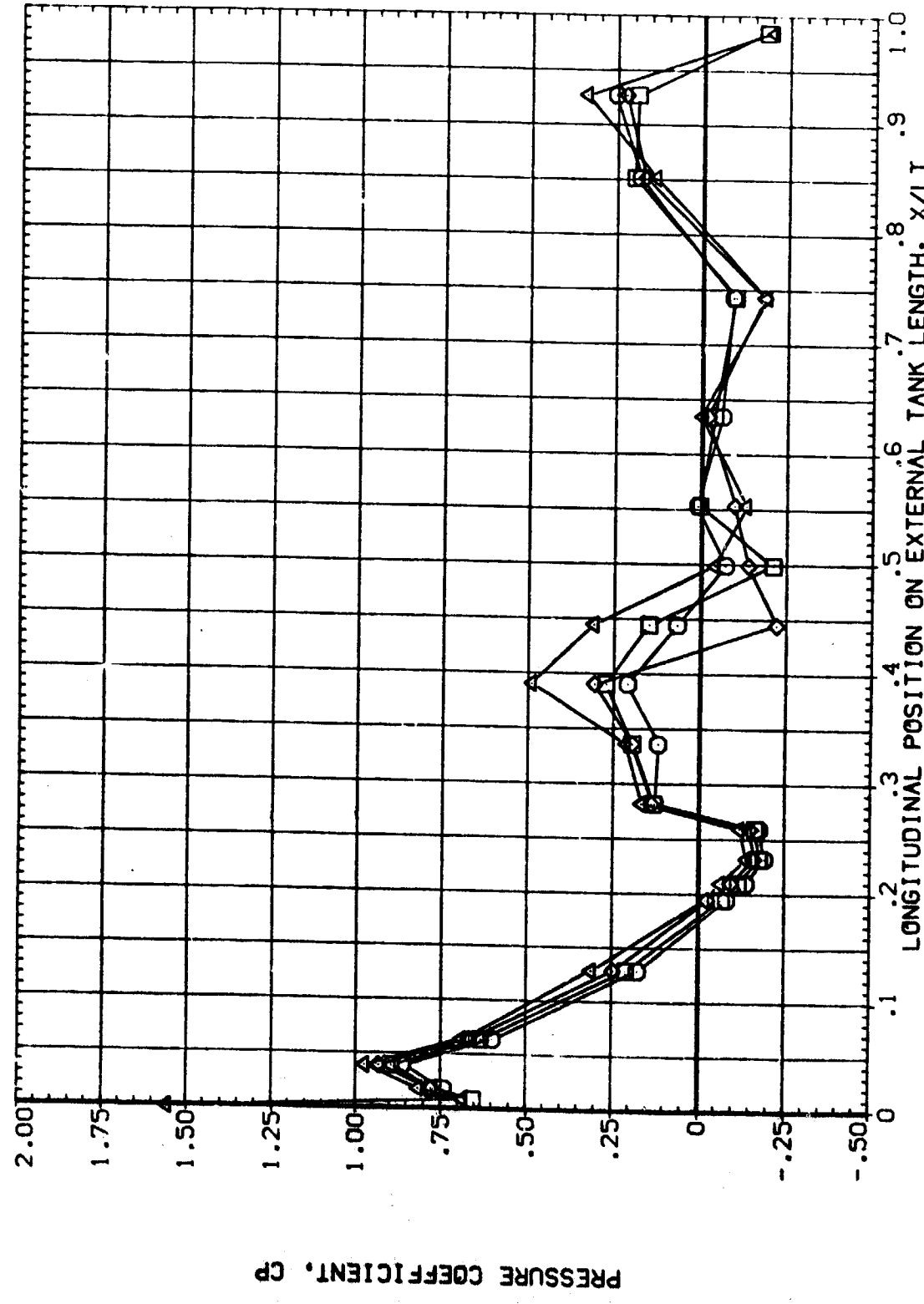


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-(019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	-6.000	.000	ELV-18	1.550 RN/FT
□	30.000			RUDDER	.000 ELV-08
◇	60.000				.000 SPDBRK
△	90.000				.000
▽	120.000				

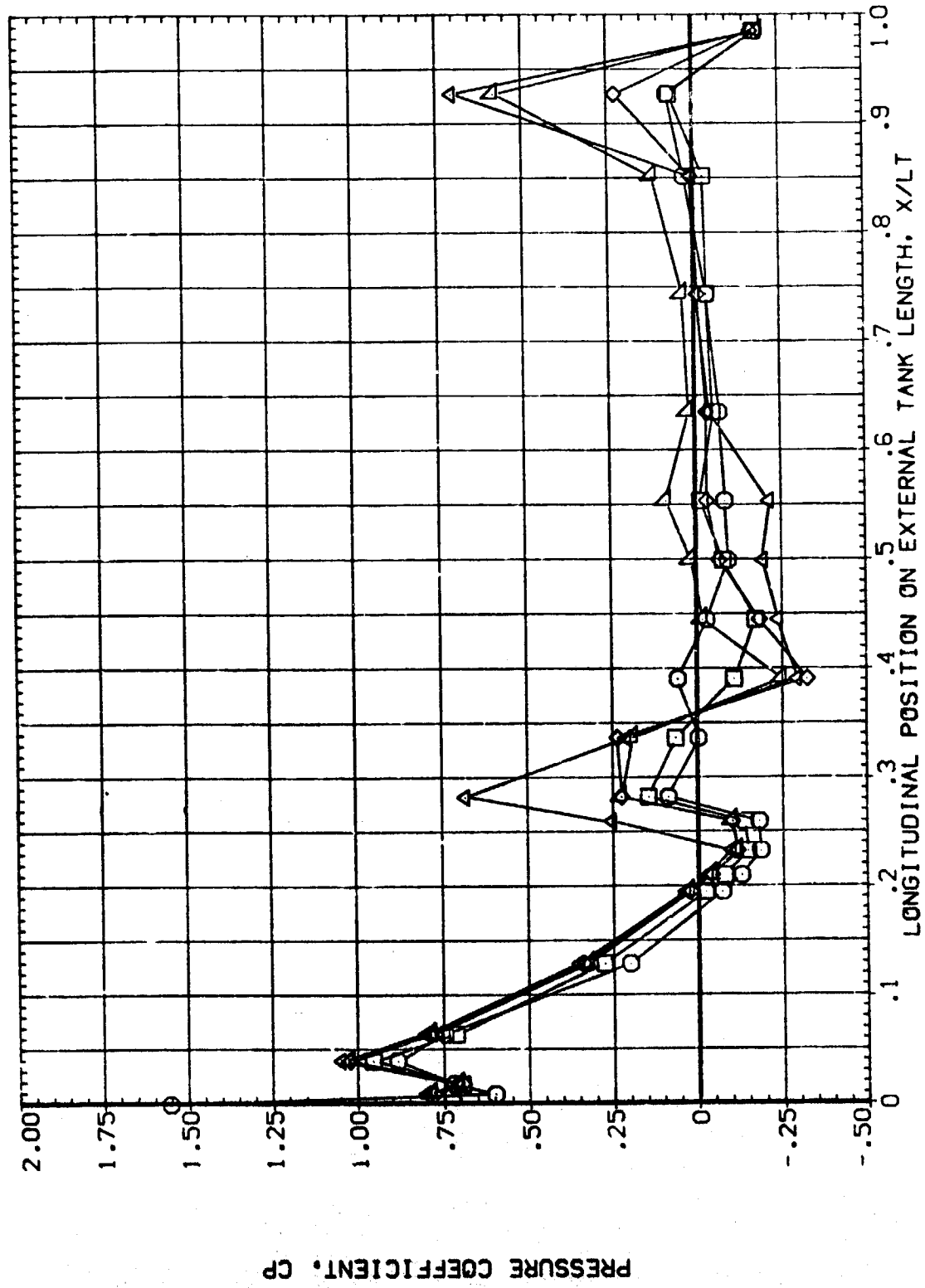
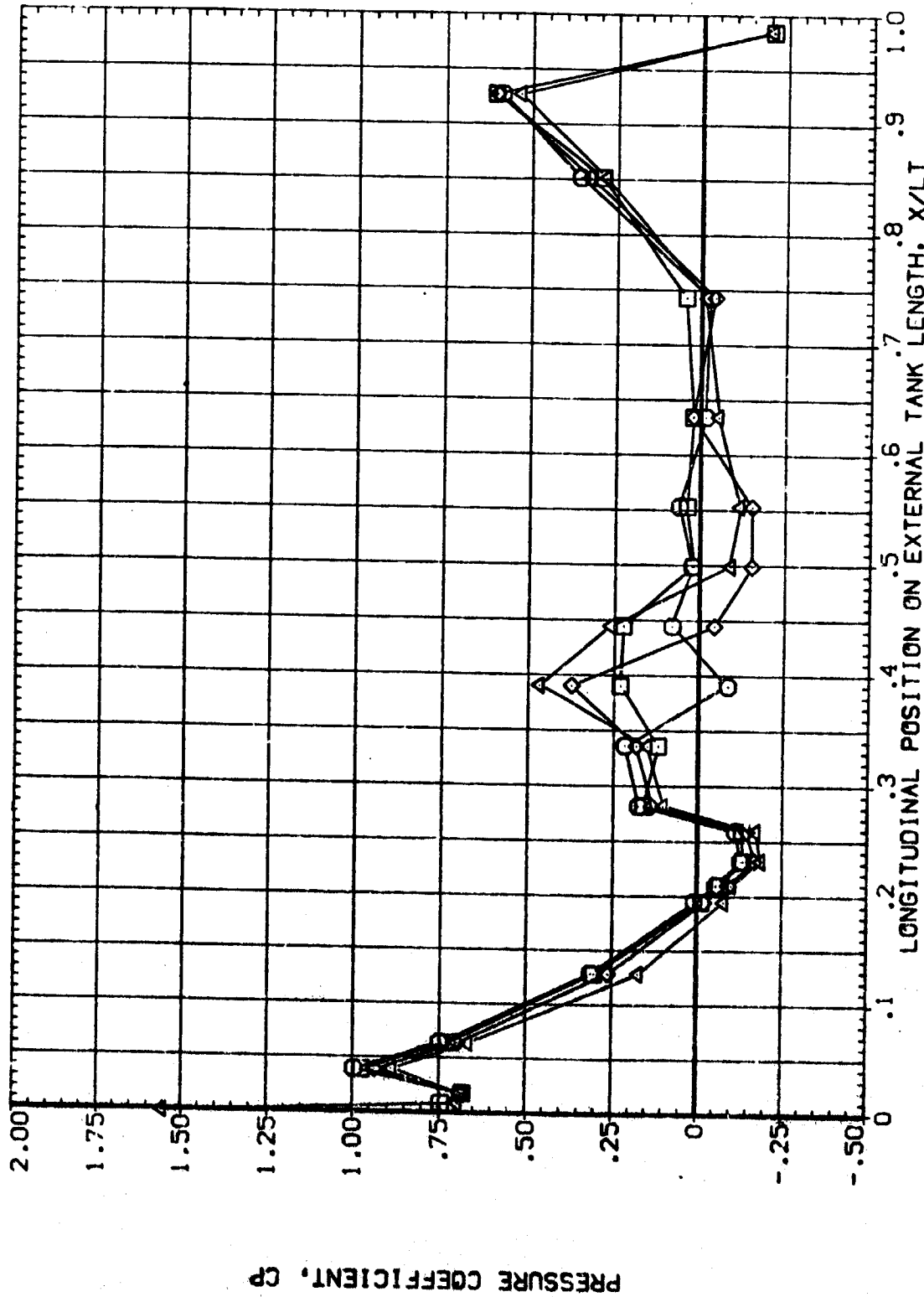


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPOBRK .000

PHI 35.000 ALPHAT .000
 BETAT -6.000
 SYMBO L 35.000
 47.000
 162.000
 80.000



PRESSURE COEFFICIENT, CP

FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	2.500
○	.000	-4.000	.000	1.550	.000	.000	ELV-08	.000	
□	30.000				.000		SPDBRK	.000	
◇	60.000								
△	90.000								
▽	.20.000								

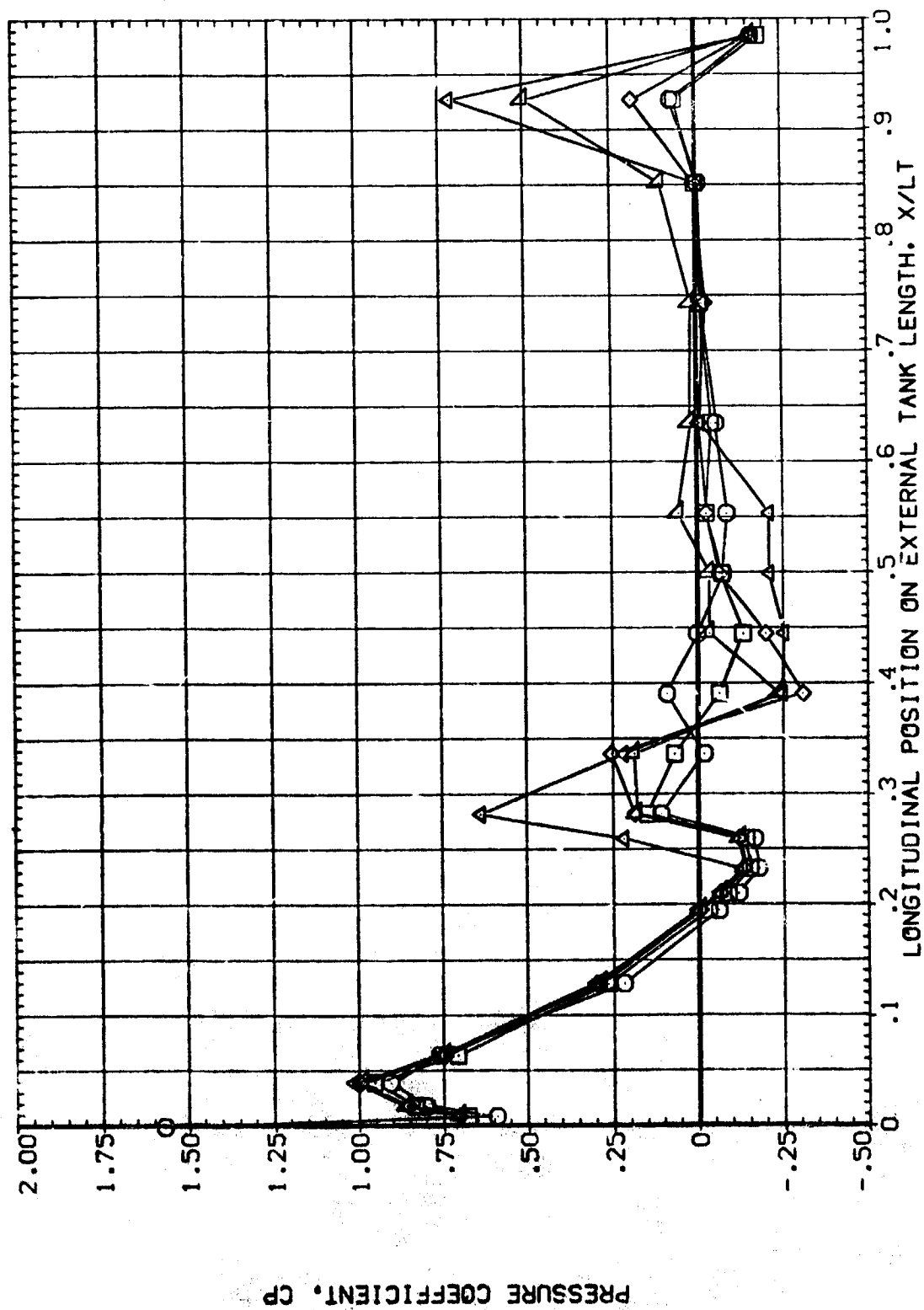


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

PHI :35.000 ALPHAT .000
 BETAT -4.000
 SYMBO :147.000
 :162.000
 :80.000

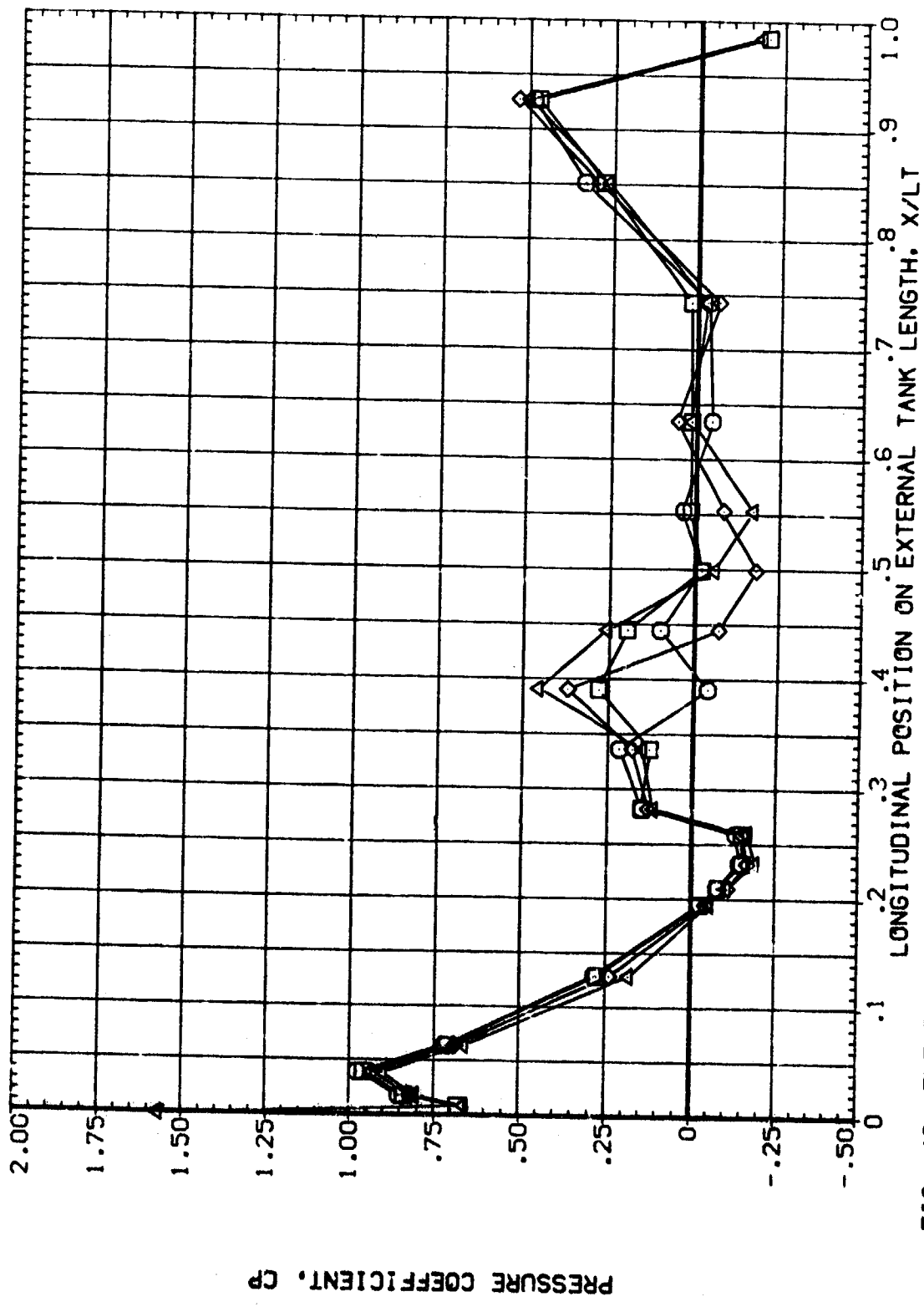


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-OB	SPDBRK
○	.000	.000	.000	1.550	.000	.000	1.550	.000	.000	.000
□	30.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
◇	60.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
△	90.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
▽	120.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

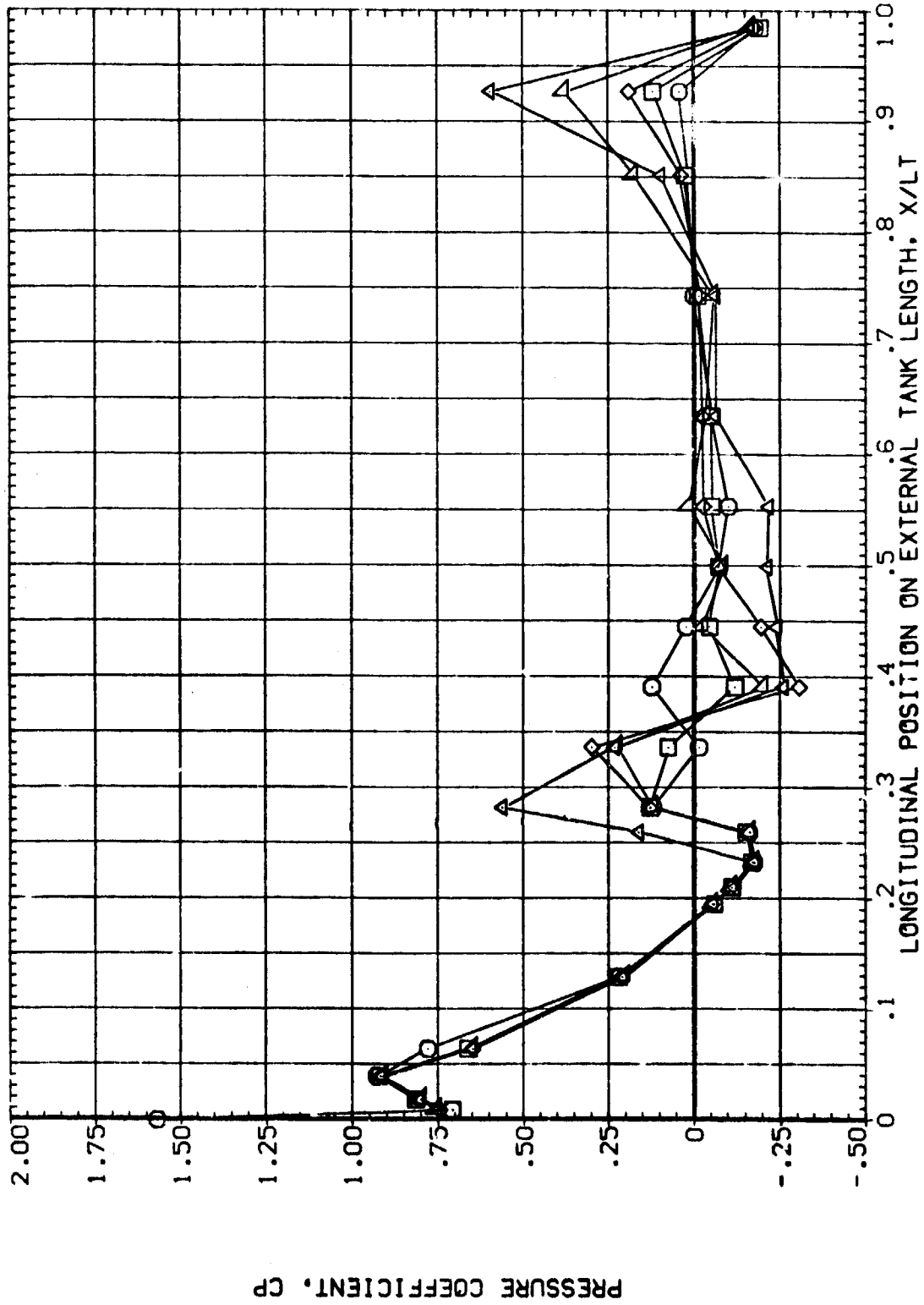


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA61 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 .000 .000
 □ :47.000 .000 .000
 ◇ :62.000 .000 .000
 △ :80.000 .000 .000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELEV-18 .000 ELEV DB .000
 RUDDER .000 SPDI INK .000

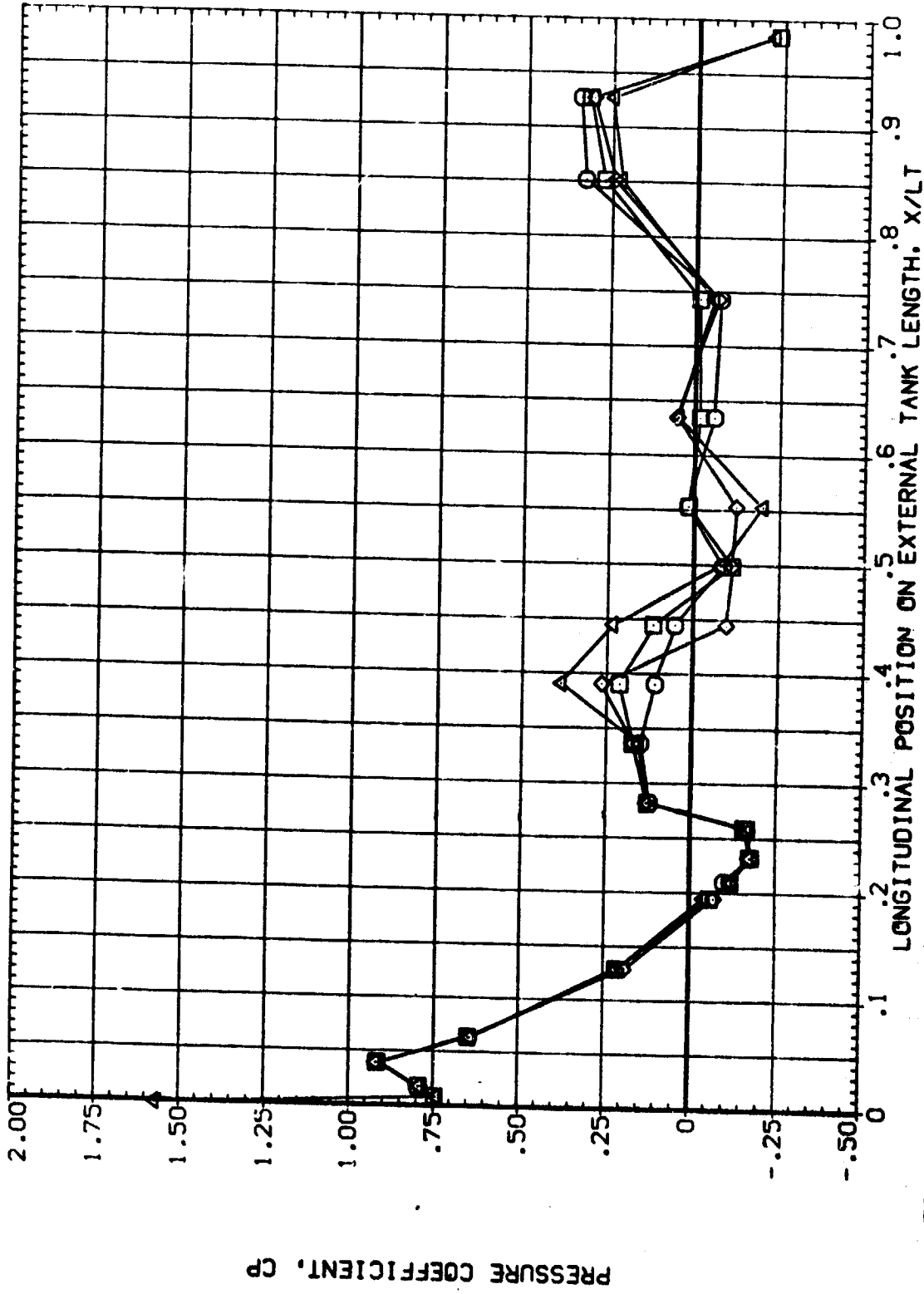


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-1B .000 ELV-DB .000
 RUDDER .000 SPDBRK .000

PHI .000 BE*AT 4.000 ALPHAT .000
 30.000
 60.000
 90.000
 120.000

SYMBOL: \square \diamond \triangle \circ

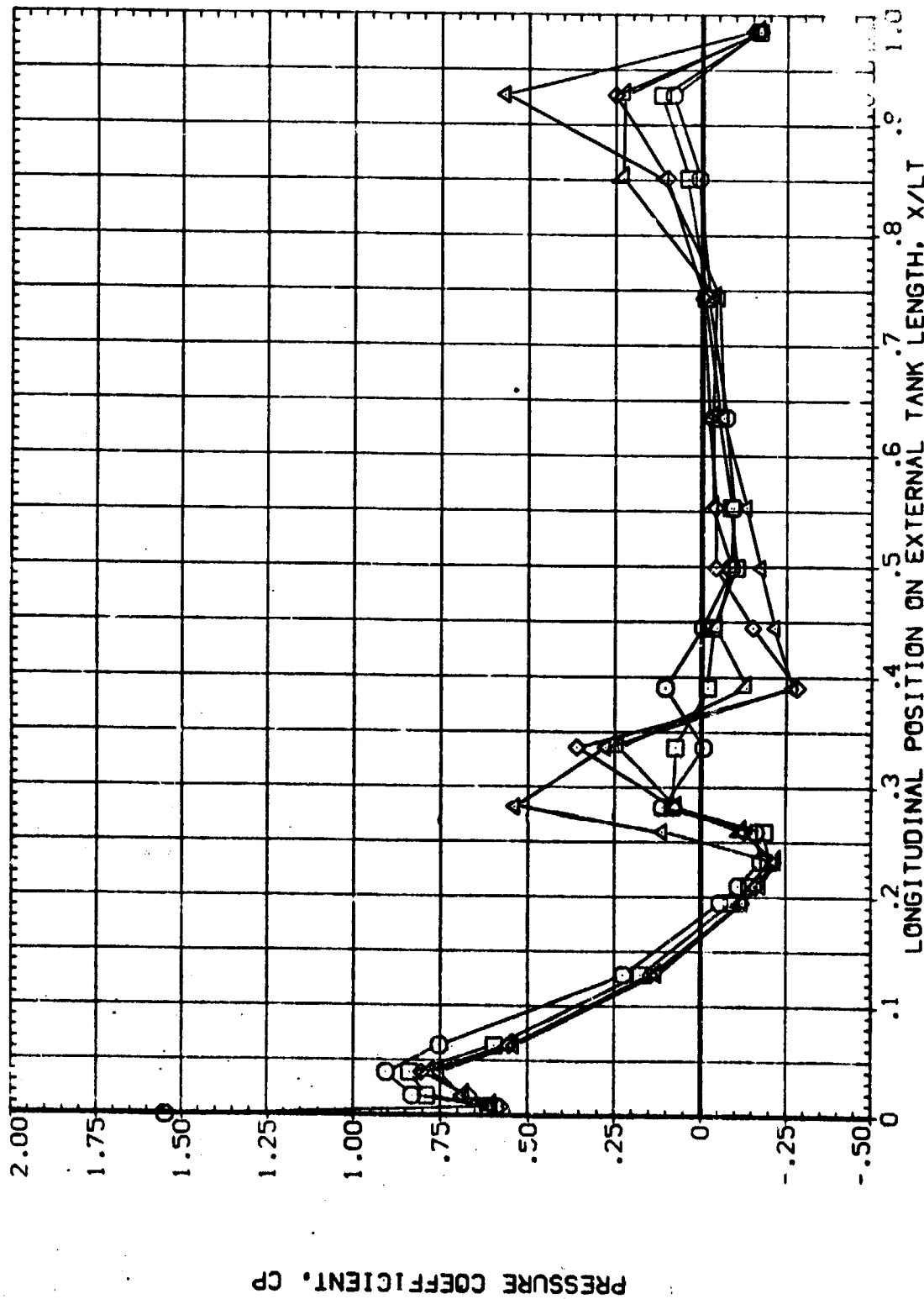


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL PHI BETAT ALPHAT
 □ .35.000 4.000 .000
 ○ .47.000
 ◇ .62.000
 △ .80.000

PARAMETRIC VALUES
 MACH 1.550 RN/FY 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

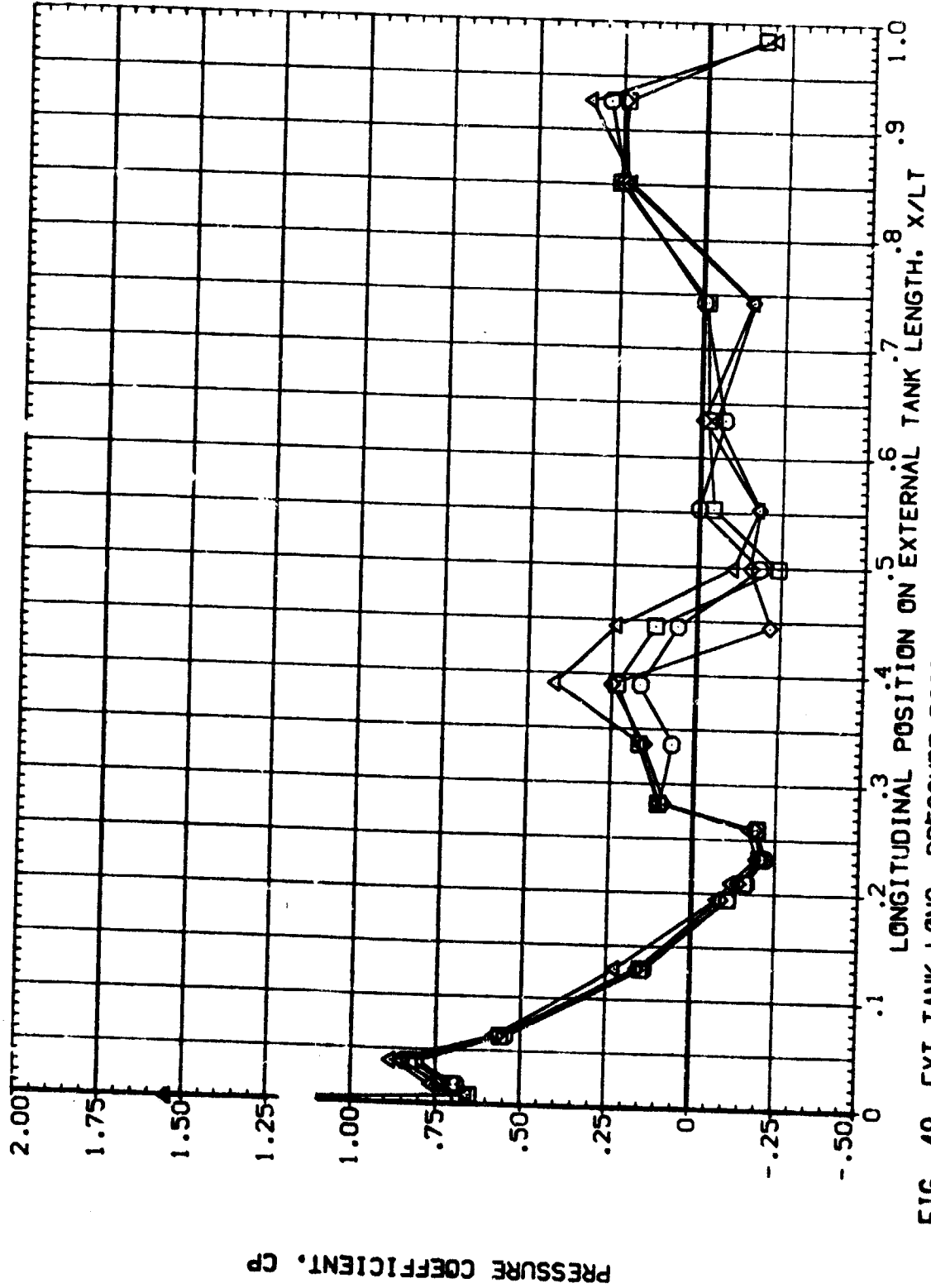


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

PHI .000 ALPHAT .000
 BETAT 6.000

SYMBOL
 ○
 □
 ◇
 △

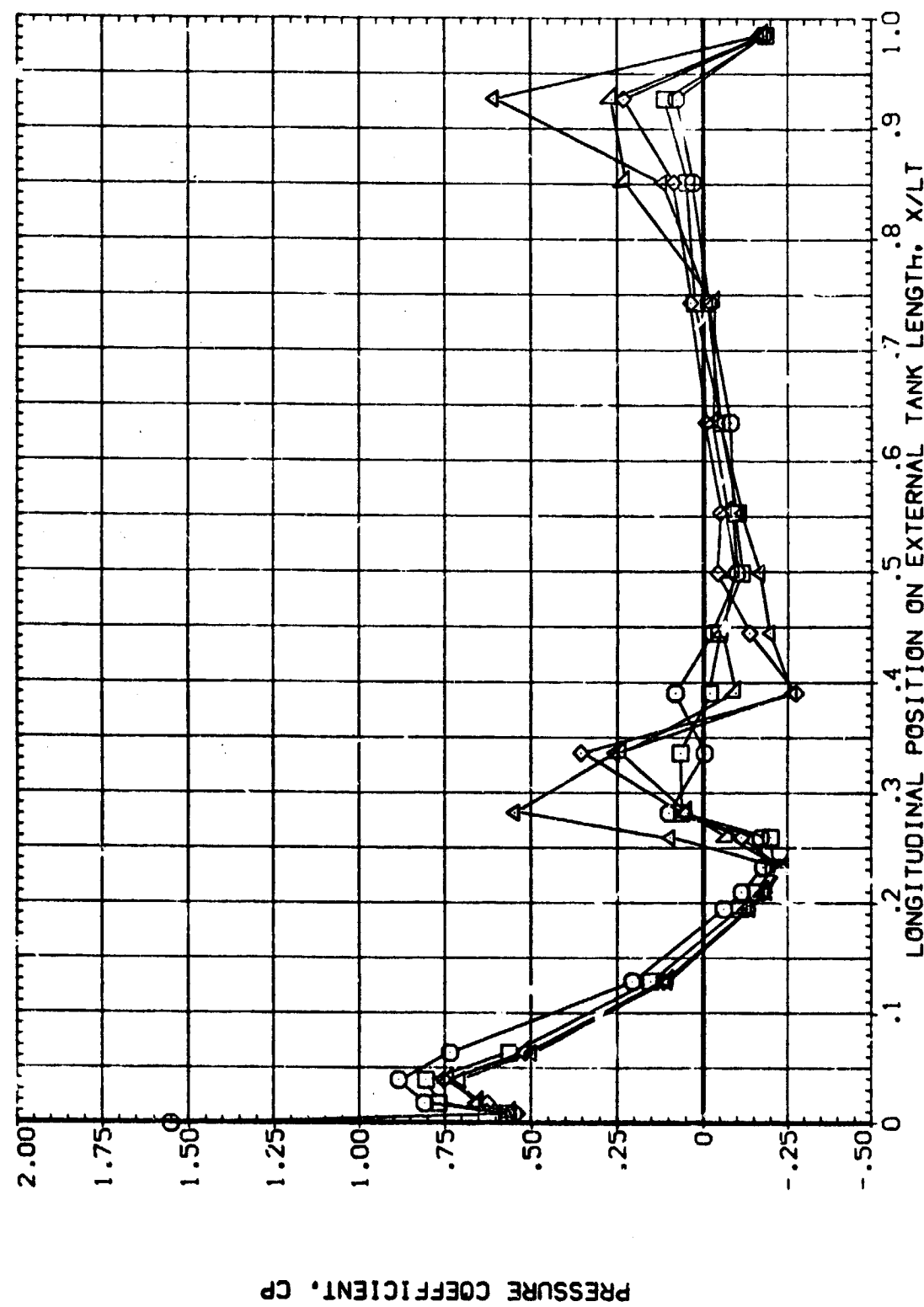


FIG. 49 EXT TANK LONG. PRESSURE DIST. FLEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
:35.000	6.000	.000	ELV-1B	1.550
:47.000			RUDDER	.000
:62.000				RN/FT
:80.000				ELV-08
				SPDBRK
				2.500
				.000
				.000

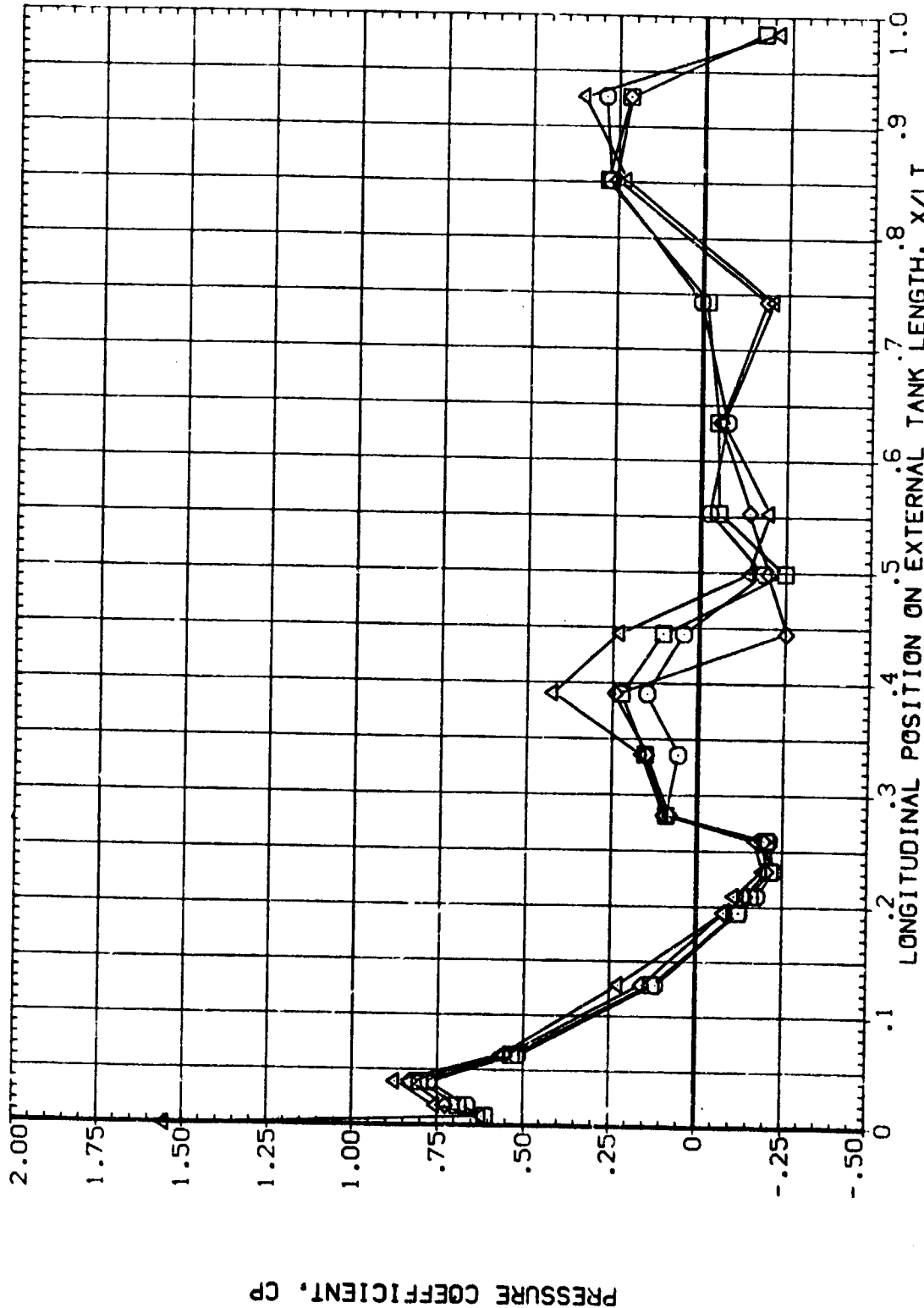


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
○		.000	-4.000	4.000	MACH	1.550	RN/FT	2.500
□		30.000			ELV-IB	.000	ELV-OB	.000
◇		60.000			RUDDER	.000	SPDBRK	.000
△		90.000						
▽		120.000						

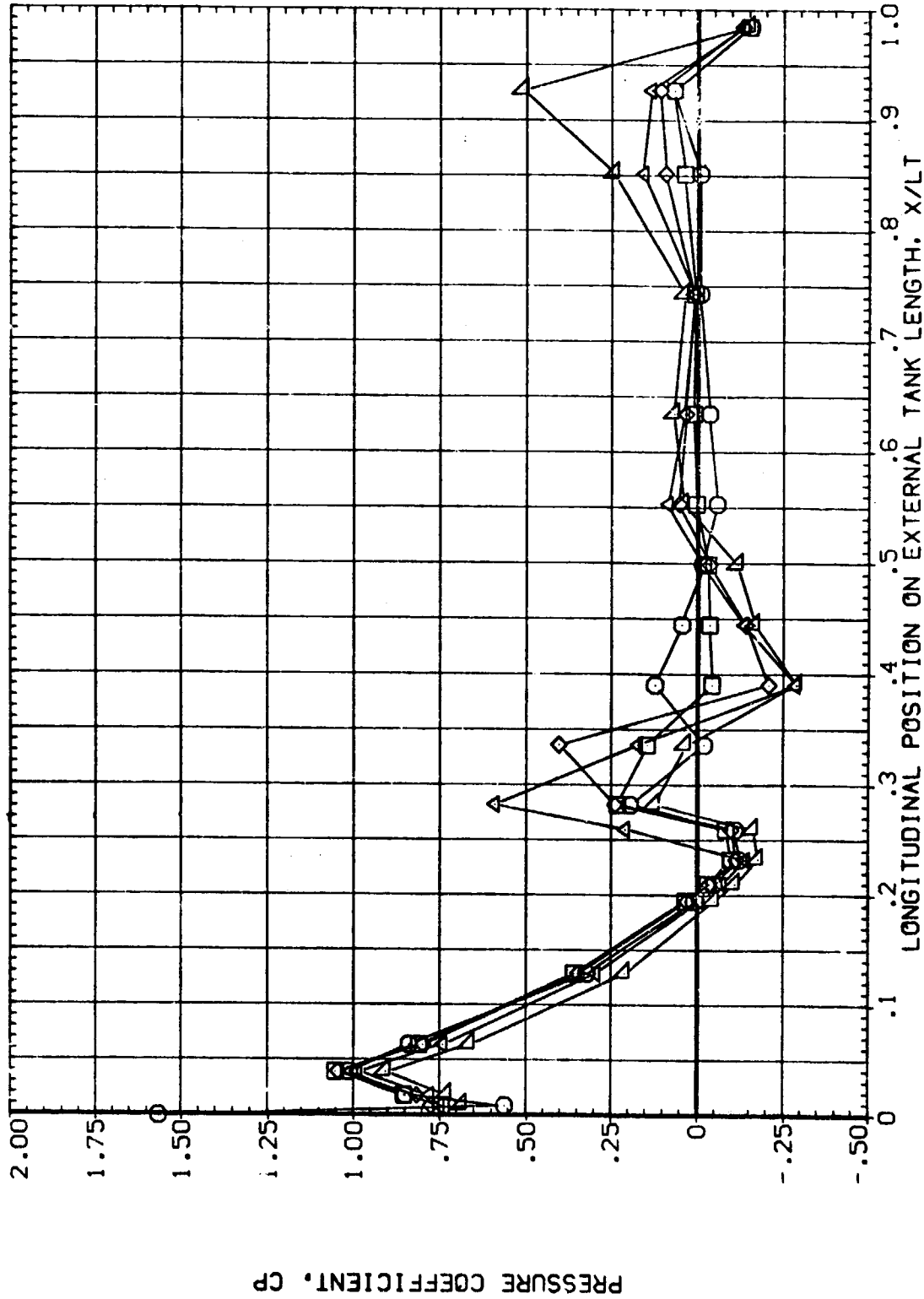


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	-4.000	4.000	ELV-18	1.550 RN/FT 2.500
□	:47.000			RUDDER	.000 ELV-08 .000
◇	:62.000				.000 SPDBRK .000
△	:80.000				

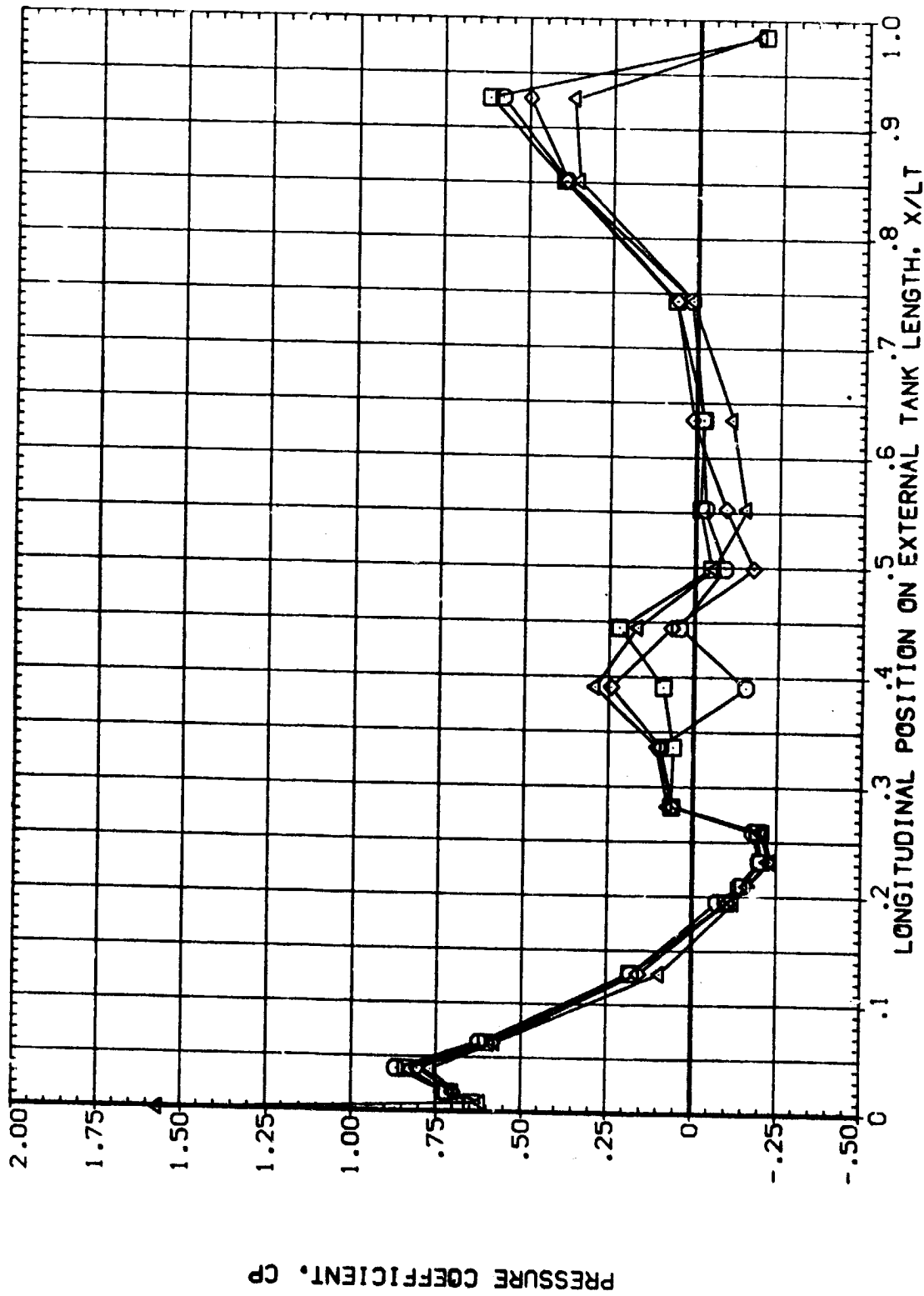


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-OB	SPOBRK
○	.000	.000	4.000	1.550	.000	.000	2.500	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	120.000									

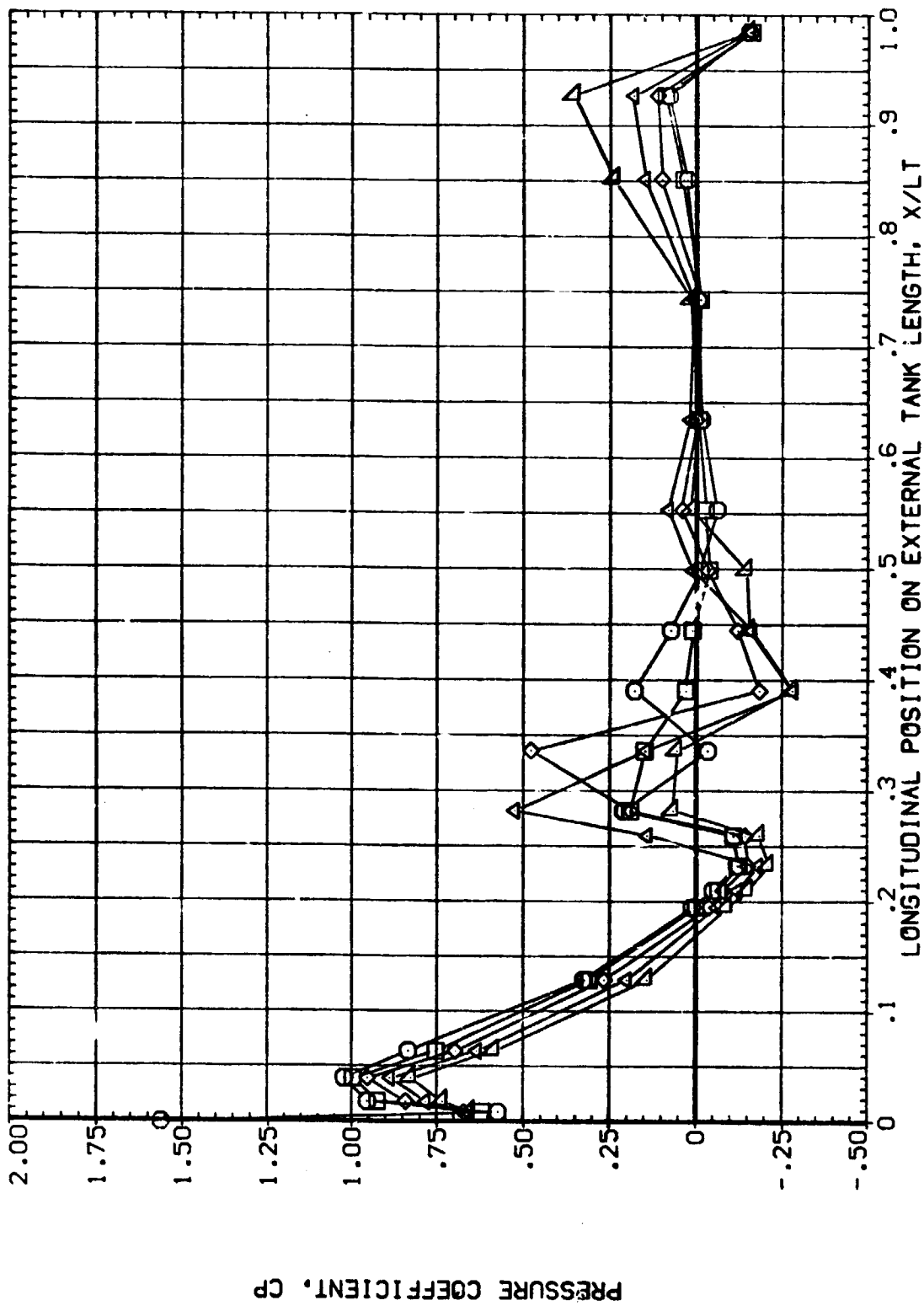


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IAS1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.35.000	.000	4.000	ELV-1B	1.550 RN/FT
□	.47.000			RUDDER	.000 ELV-OB
◇	.62.000				.000 SPDBRK
△	.80.000				2.500

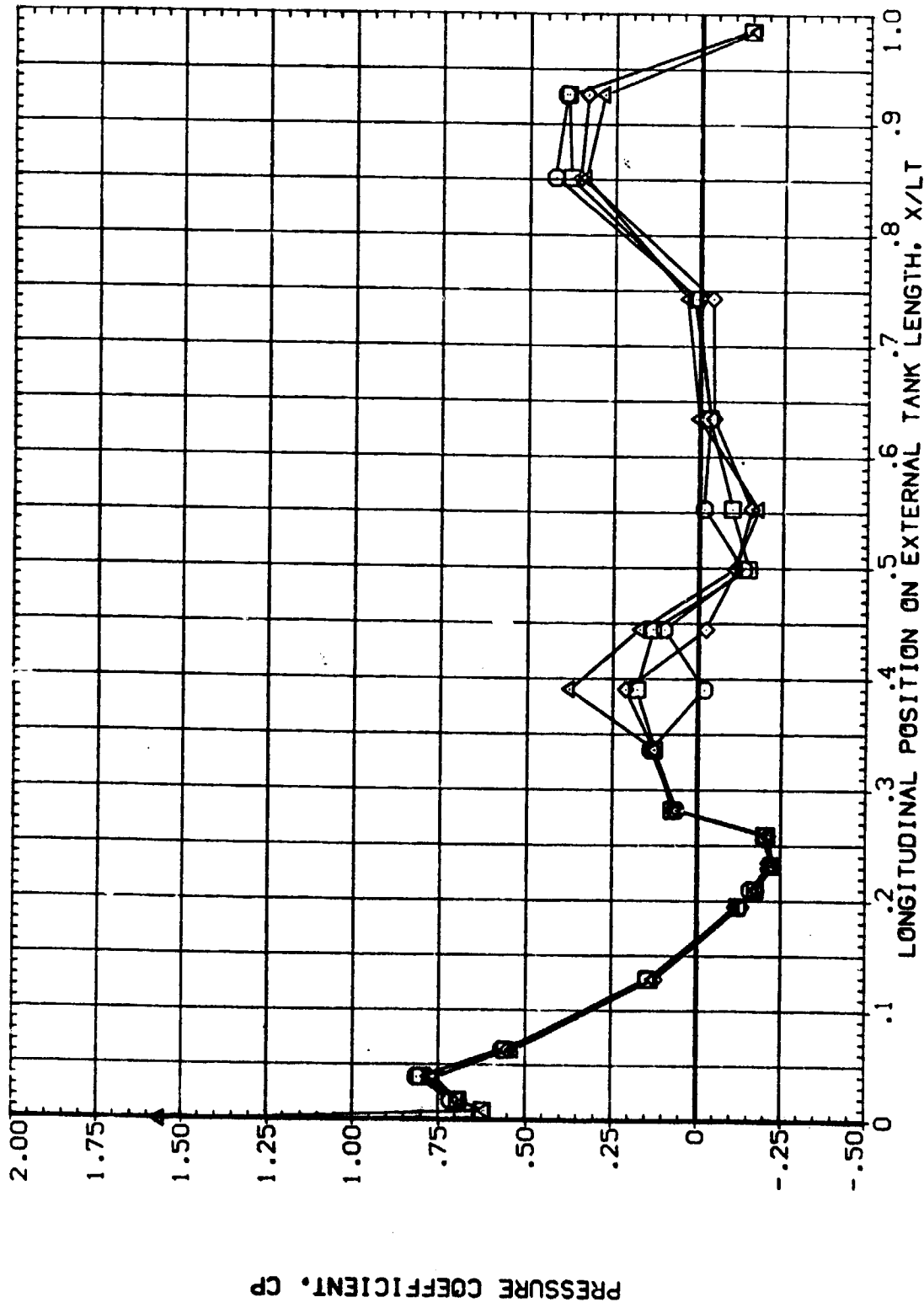


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-18	1.550 RN/FT
□	30.000			RUDDER	.000 ELV-08
◇	60.000				.000 SPOBRK
△	90.000				
▽	120.000				

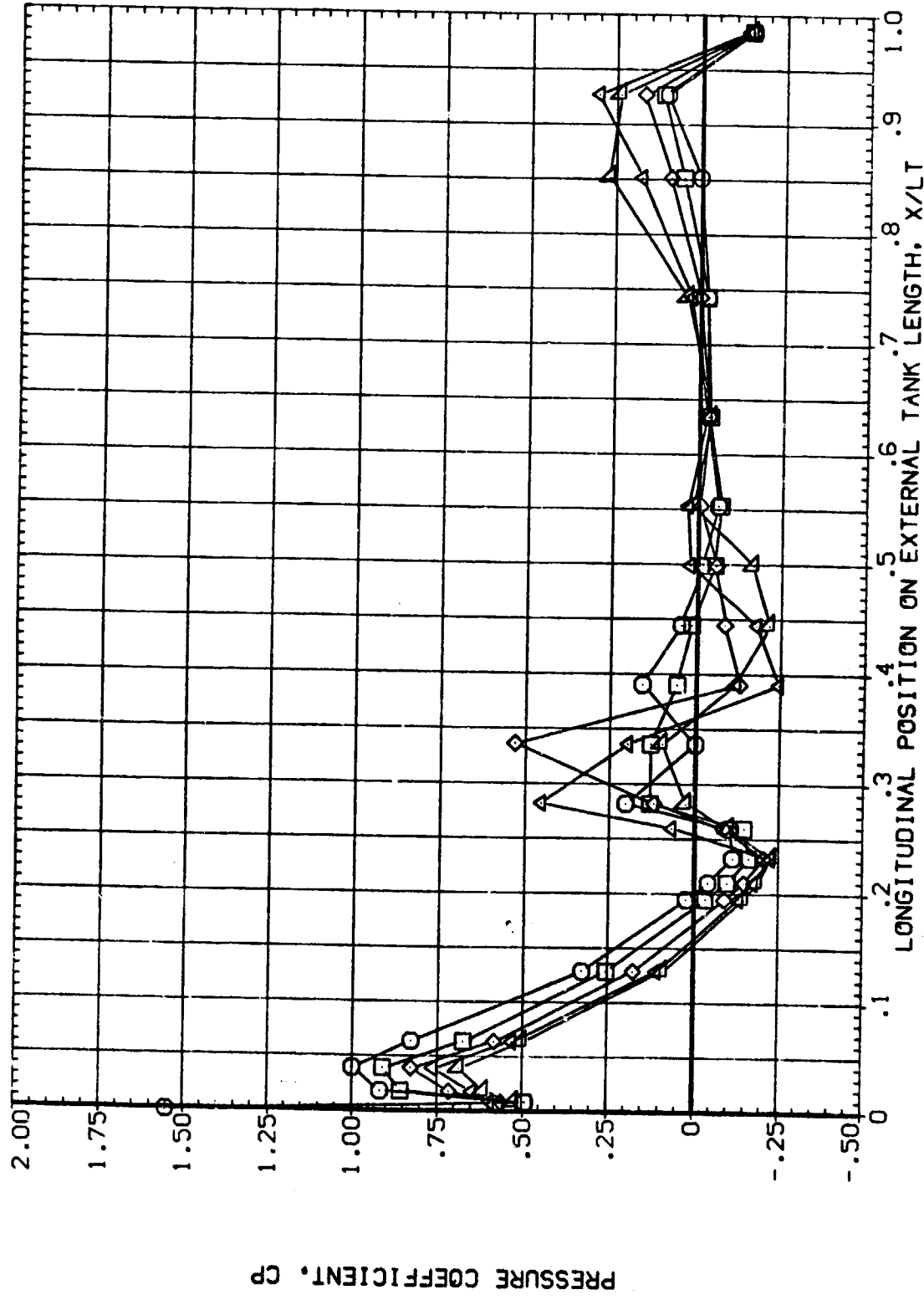


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	4.000	4.000	ELV-1B	1.550 RN/FT
□	:47.000			RUDDER	.000 ELV-OB
◇	:62.000				.000 SPDBRK
△	:80.000				

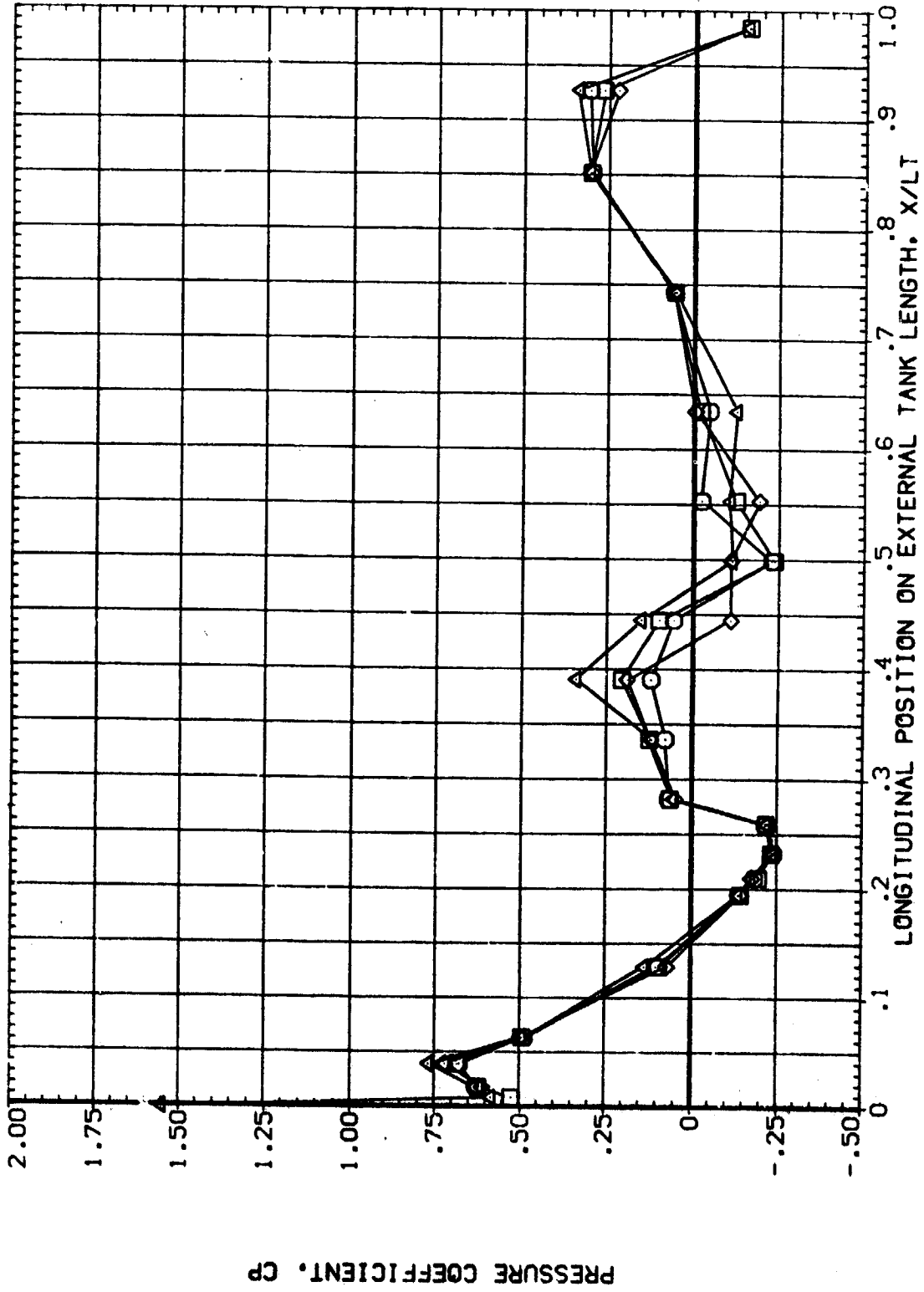


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	.000	6.000	1.550	RN/FT 2.500
□	30.000	.000		.000	ELV-OB .000
◇	60.000			.000	SPDBRK .000
△	90.000				
▽	.20.000				

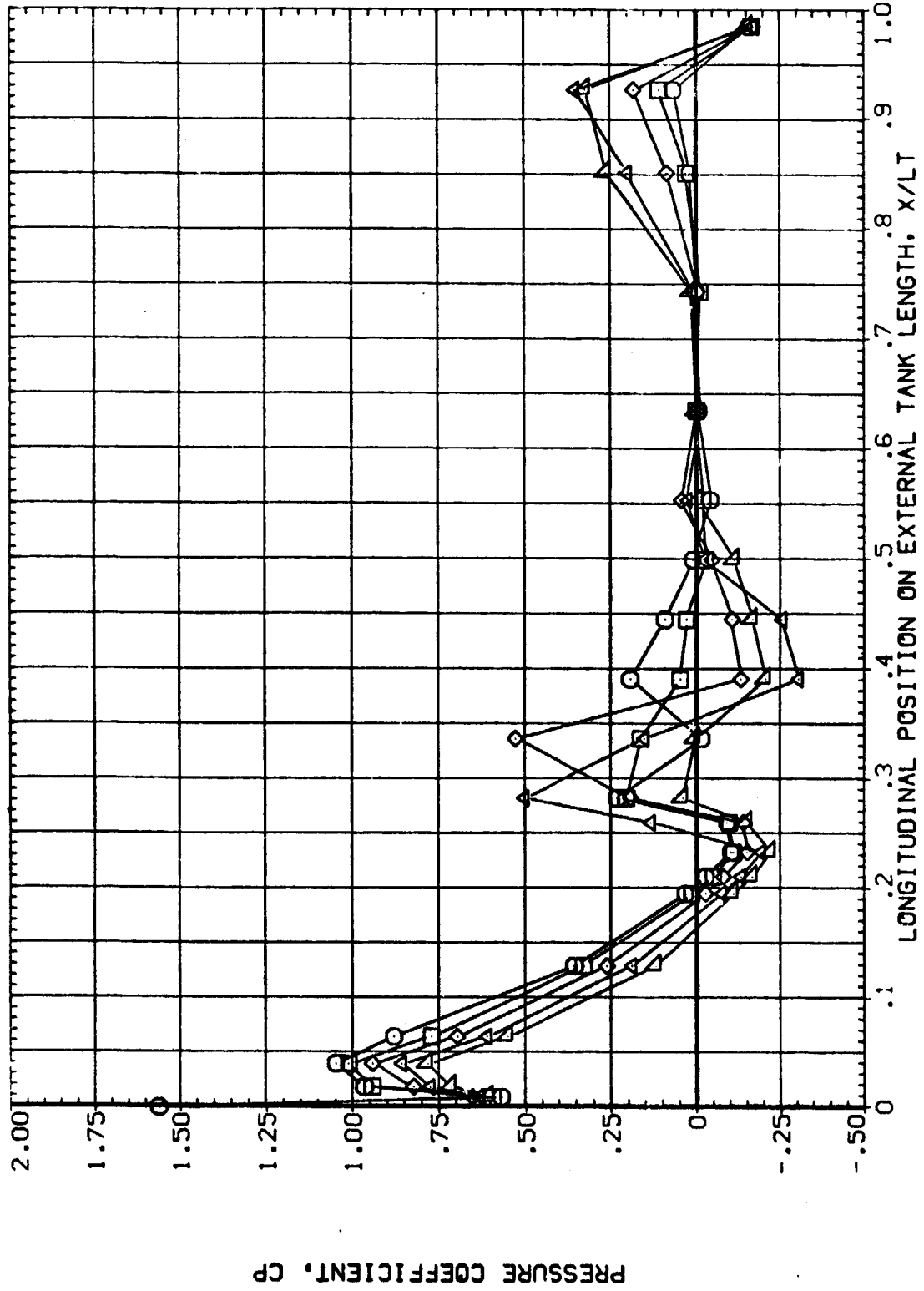


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT39)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	125.000	.000	6.000	ELV-1B	1.550 RN/FT 2.500
□	147.000			RUDDER	.000 ELV-0B .000
◇	162.000				.000 SPDBRK .000
△	180.000				

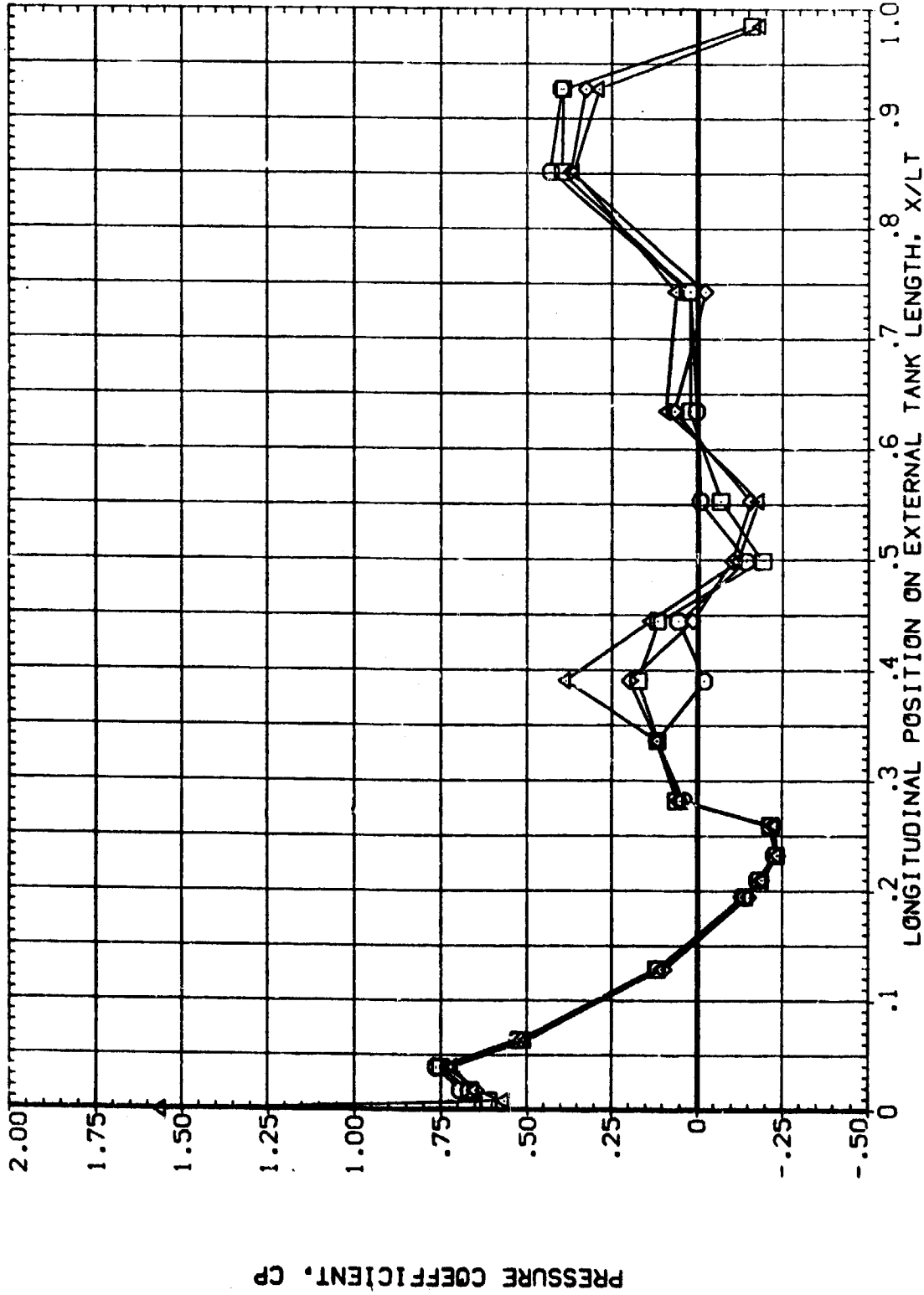


FIG. 49 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-1B	2.000 RN/FT
□	30.000			RUDDER	.000 ELV-08
◇	60.000				.000 SPDBRK
△	90.000				
▽	.20.000				

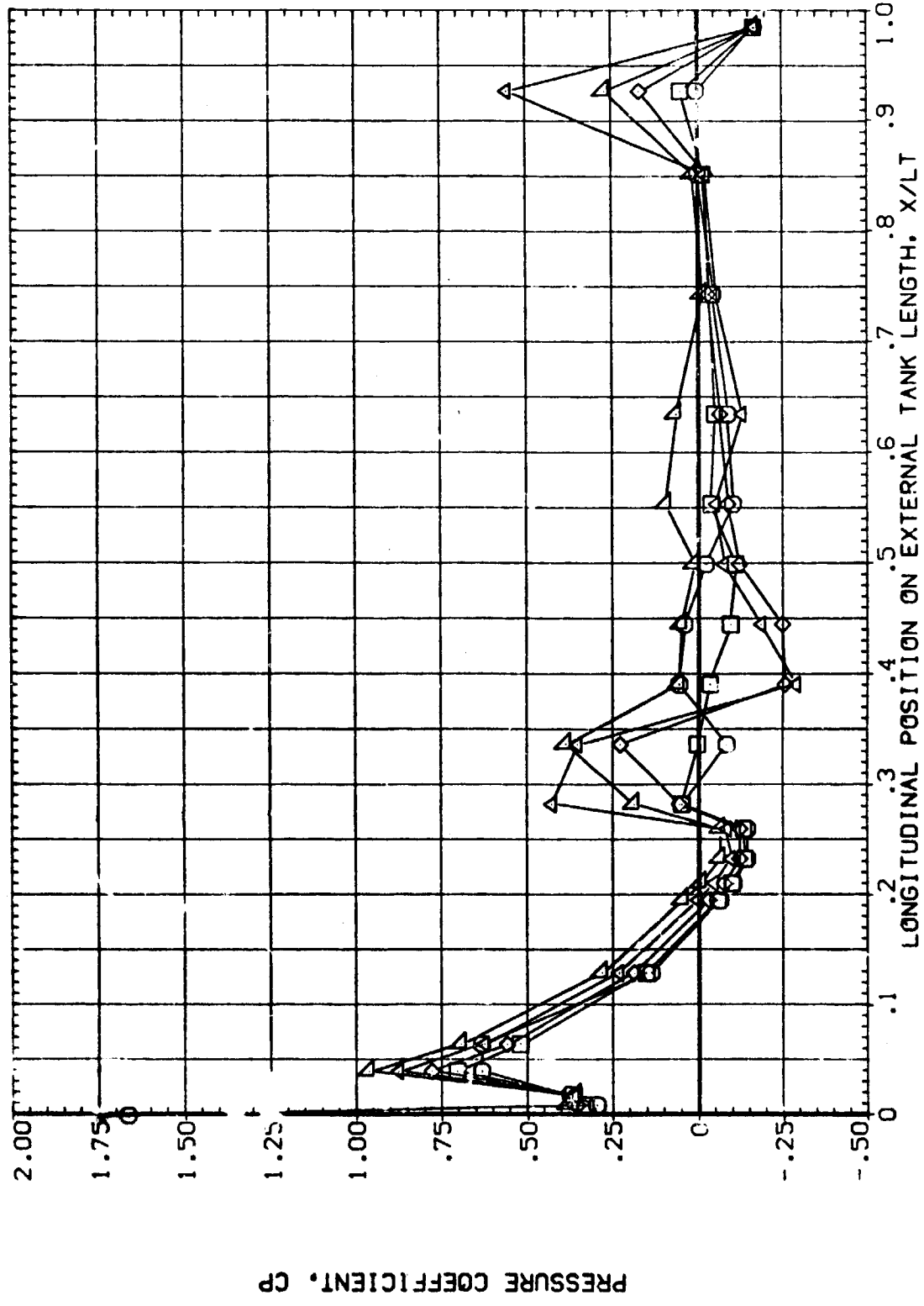


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.0U

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 .000 -6.000
 □ :47.000
 ◇ :62.000
 △ :90.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

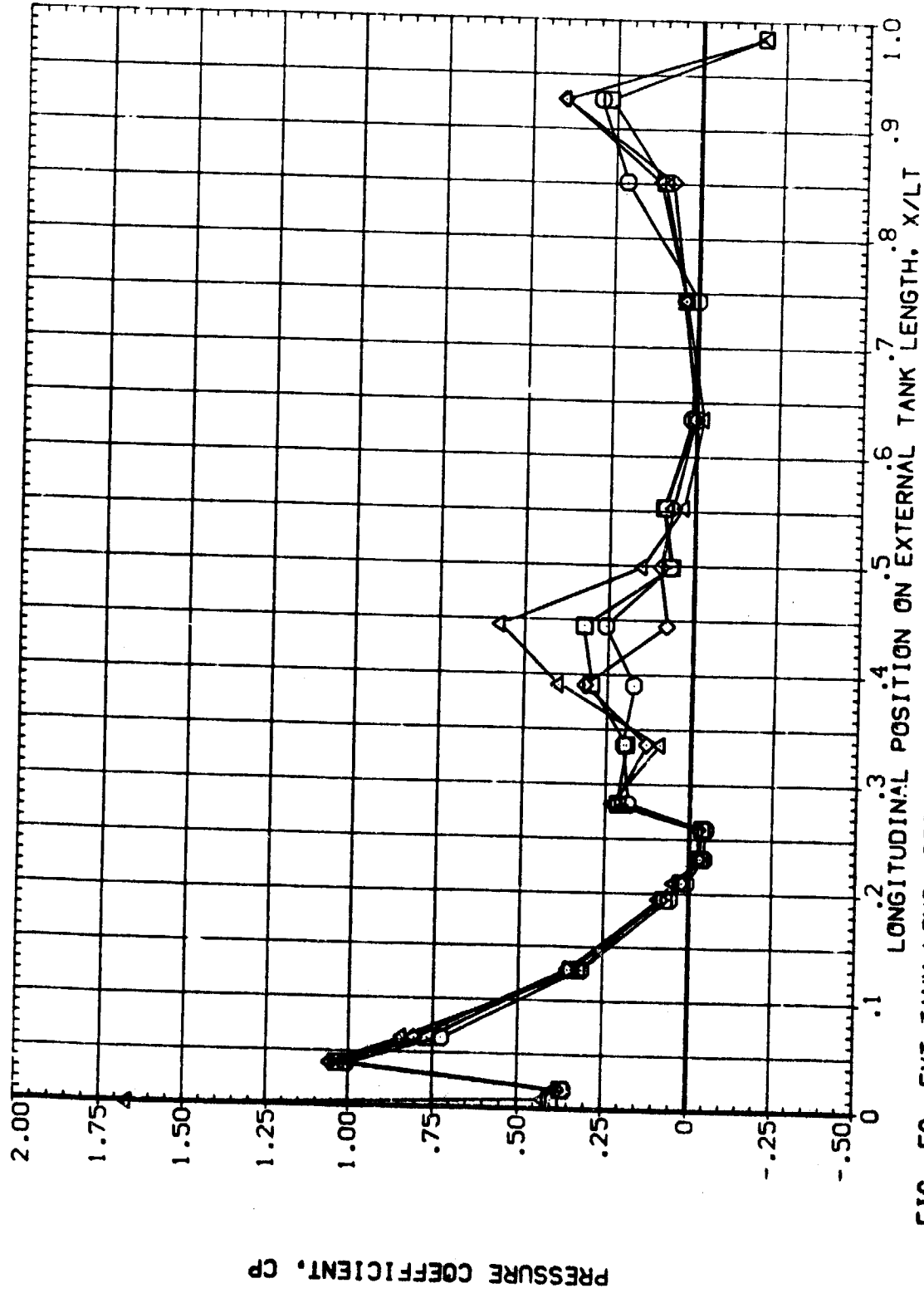


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-1B .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

PHI .000
 30.000
 60.000
 90.000
 120.000

SYMBOL
 ○ □ ◇ △ ▽

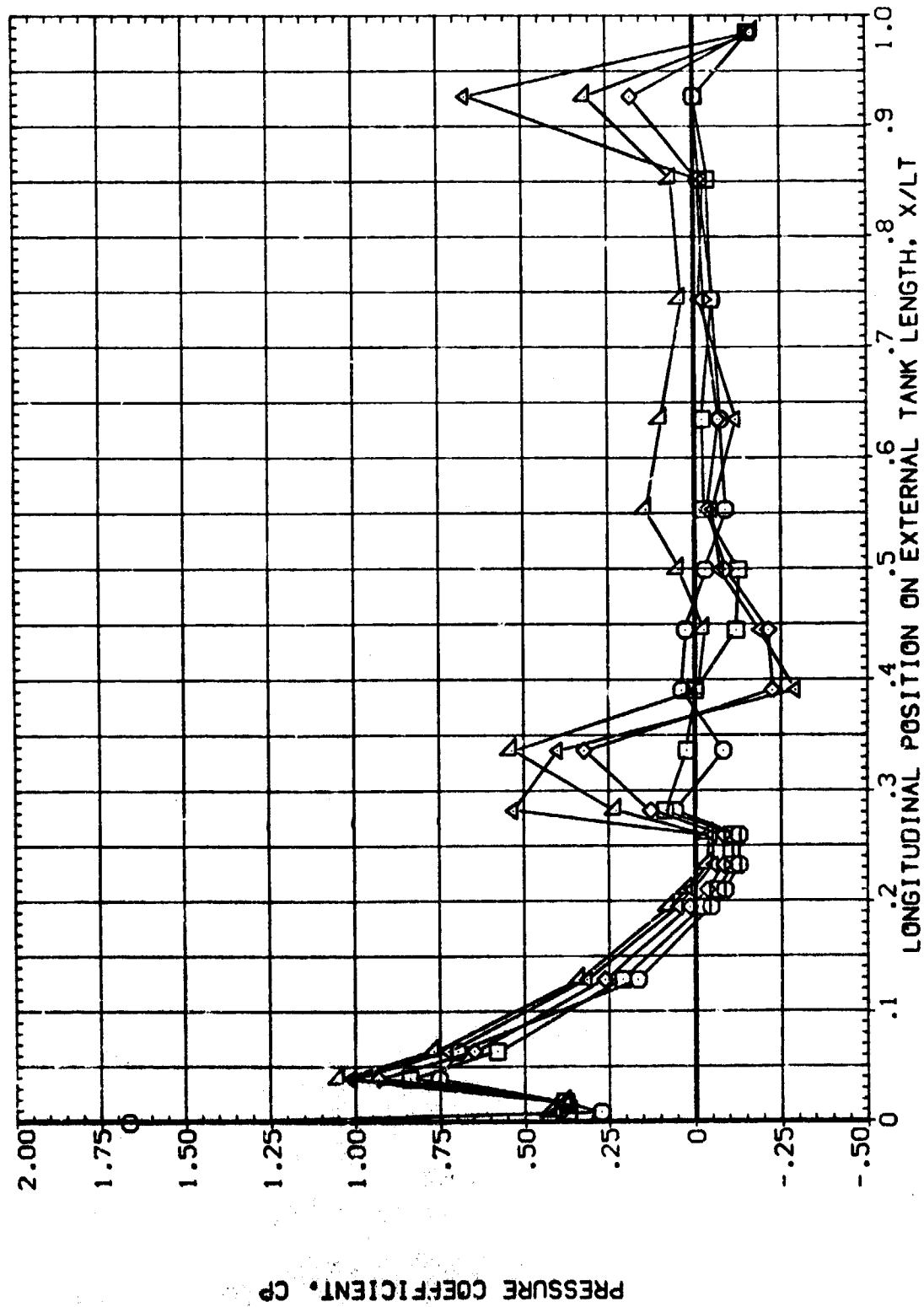


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL PHI BETAT ALPHAT
 ◯ :35.000 -4.000
 ◻ :47.000
 ◊ :62.000
 △ :80.000

MACH 2.500
 ELV-1B 2.000
 RUDDER .000
 PARAMETRIC VALUES
 RN/FT .000
 ELV-08 .000
 SPOBRK .000

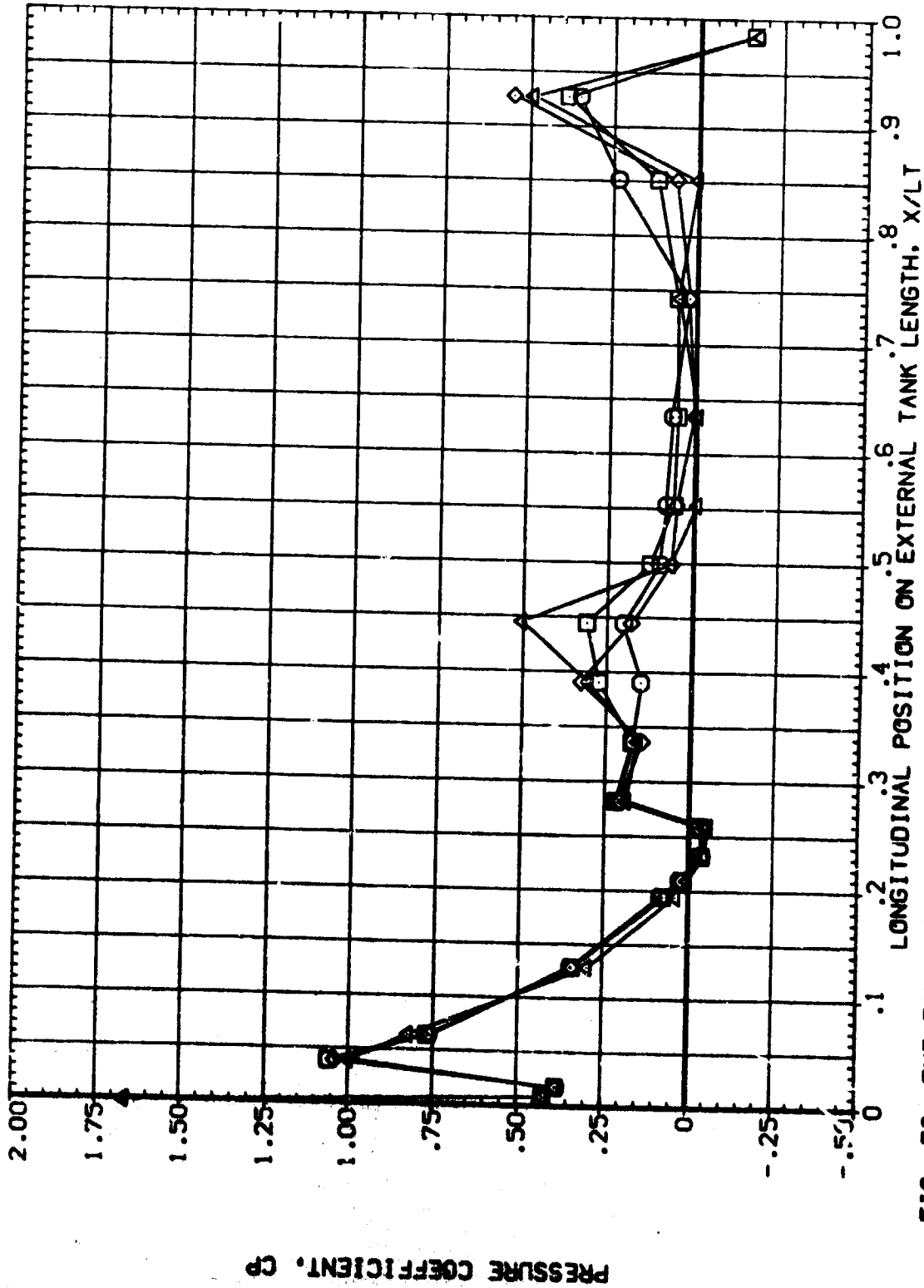


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

PARAMETRIC VALUES
 2.000 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

BETAT .000
 ALPHAT -4.000

PHI .000
 30.000
 60.000
 90.000
 120.000

SYMBOL
 ▽
 ◊
 □
 ○
 △

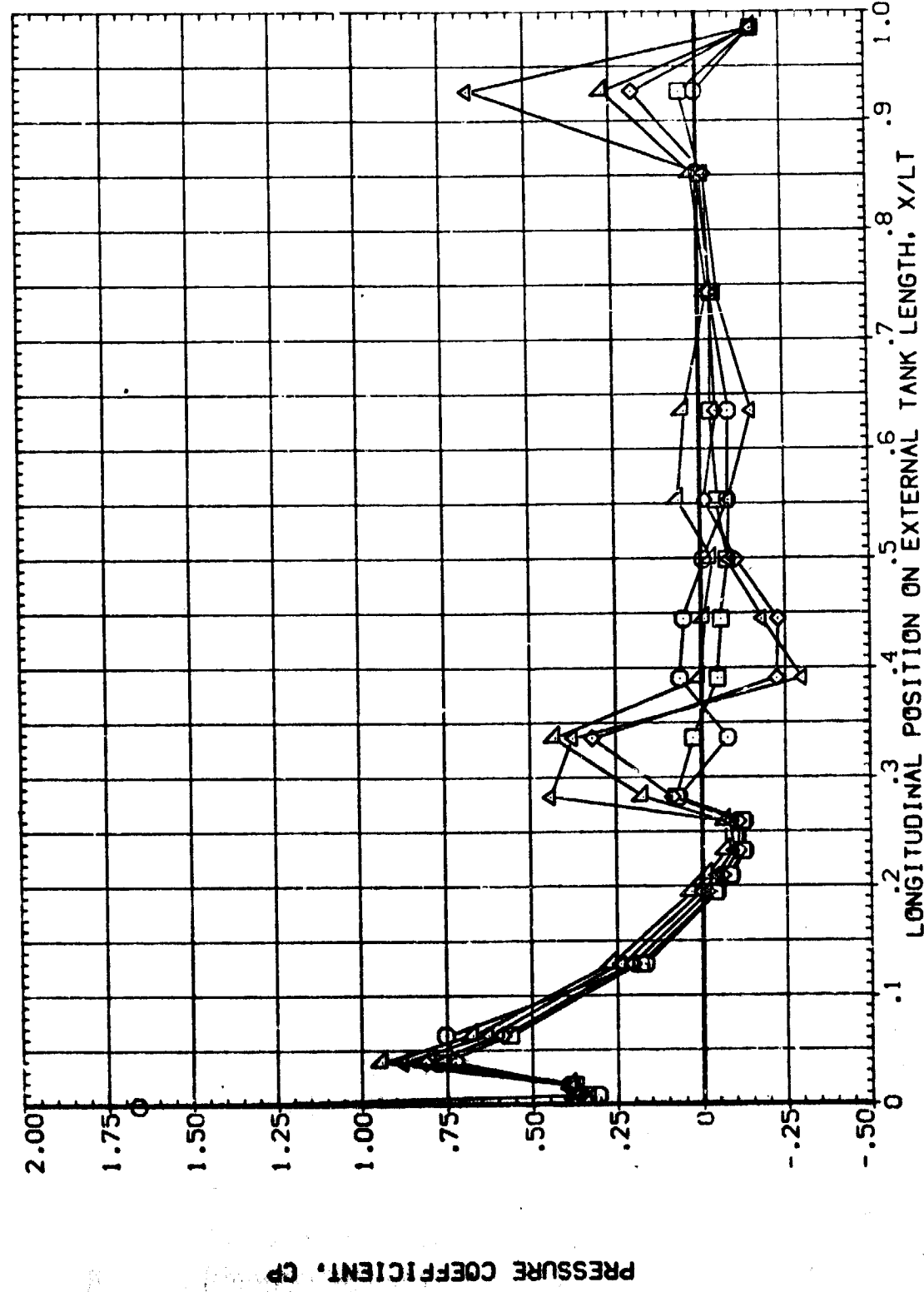


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL PHI BETAT ALPHAT
 ○ 135.000 .000 -4.000
 □ 147.000
 ◇ 162.000
 △ 183.000

PARAMETRIC VALUES
 MACH 2.000 2.500
 ELV-18 .000 .000
 RUDDER .000 SPDBRK .000

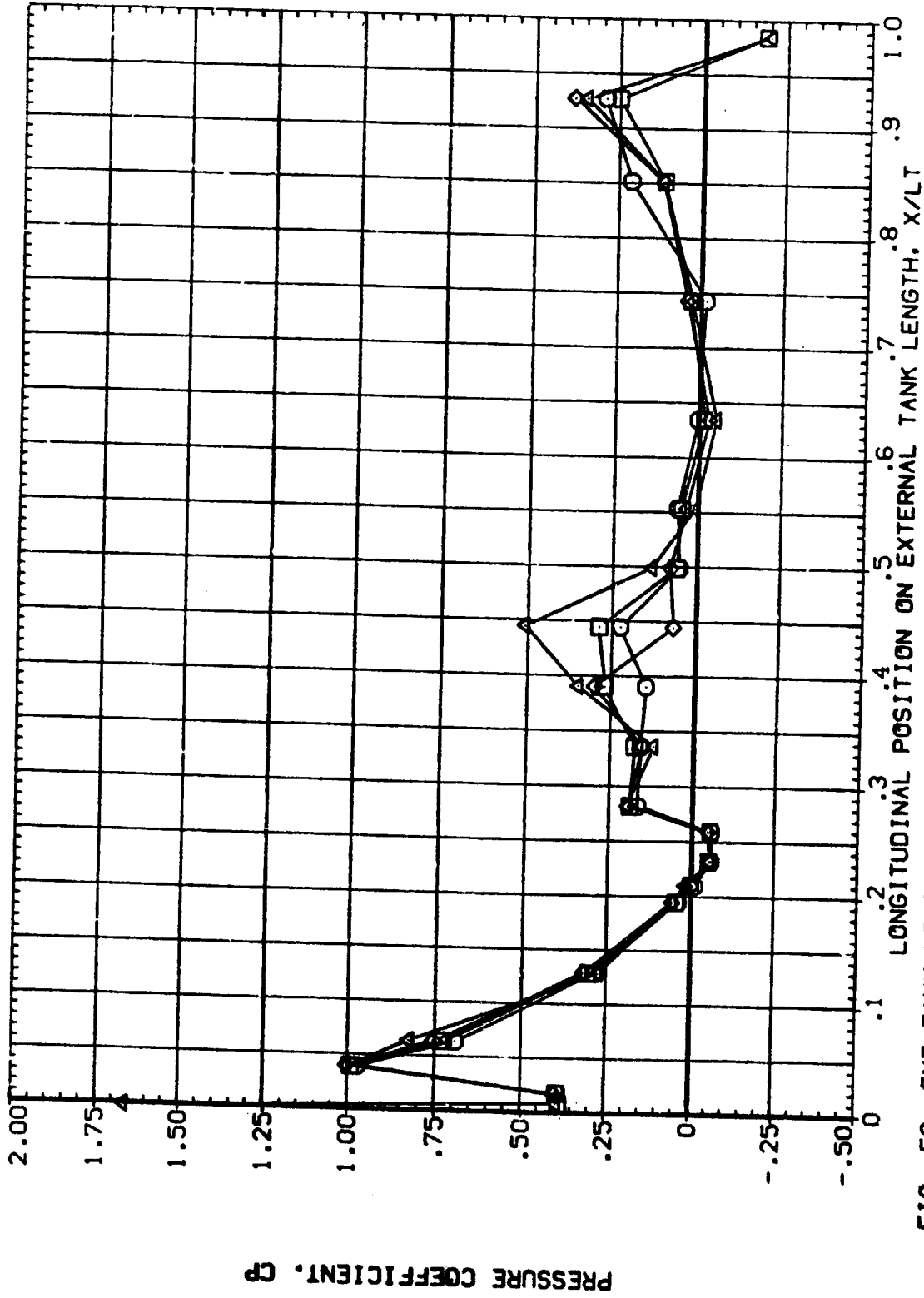


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 I181 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	4.000	-4.000	ELV-1B	2.000 RN/FT
□	30.000			RUDDER	.000 ELV-DB
◇	60.000				.000 SPDBRK
△	90.000				.000
▽	.20.000				

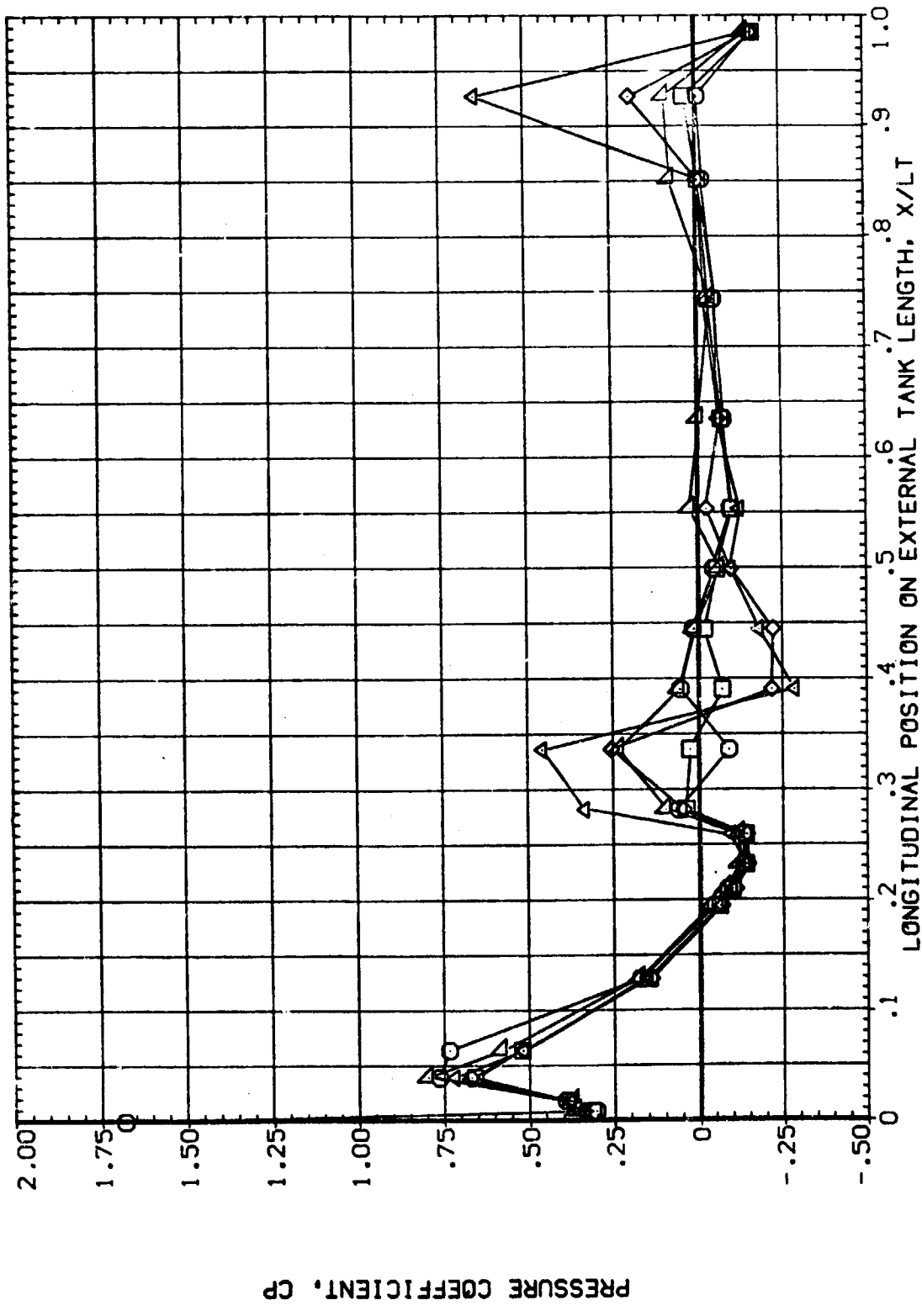


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 4.000 -4.000
 □ :47.000
 ◇ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-1B .000 ELV-9B .000
 RUDDER .000 SPDBRK .000

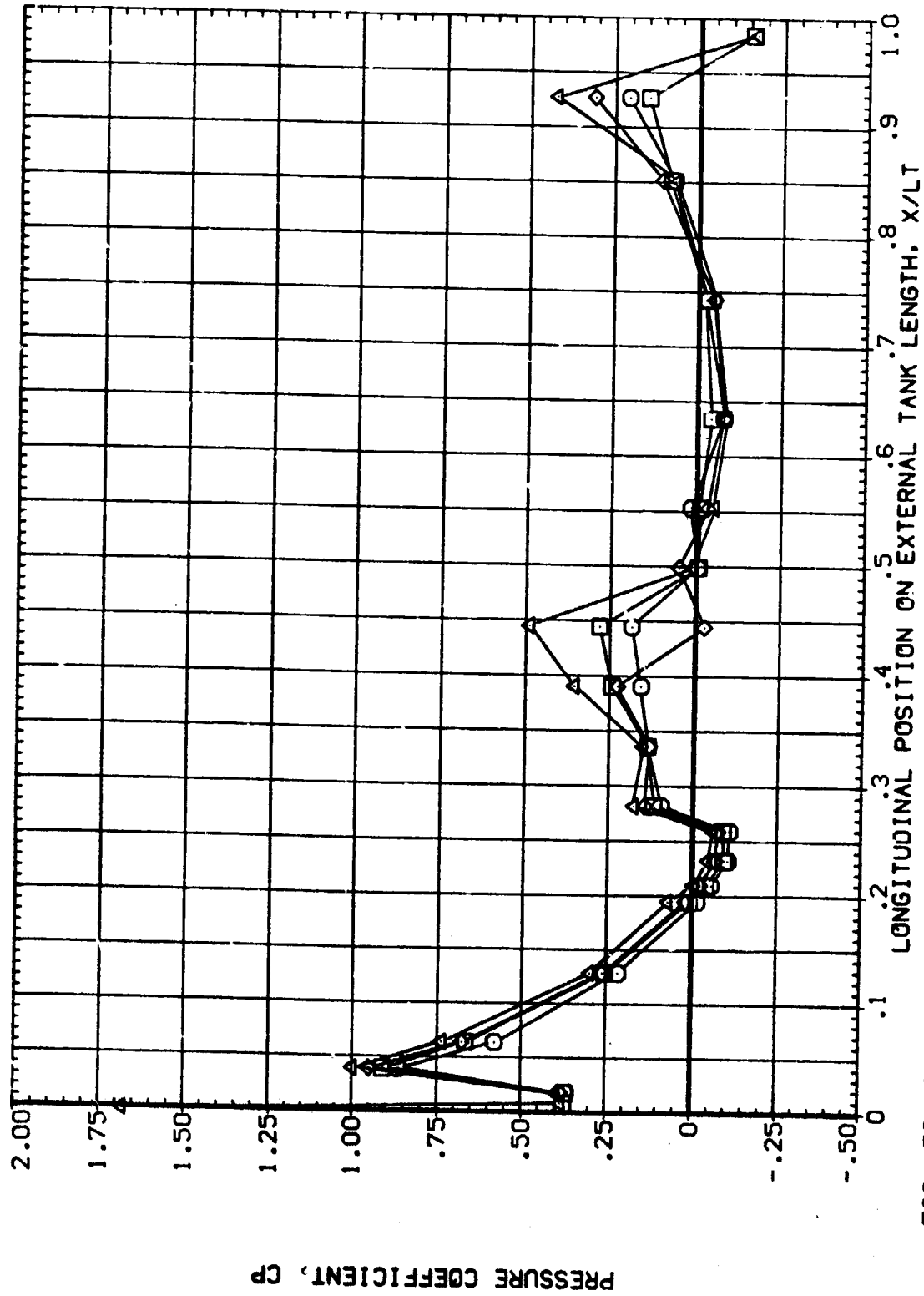


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
○	.000	-6.000	.000	2.000	.000	.000	2.500	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	.20.000									

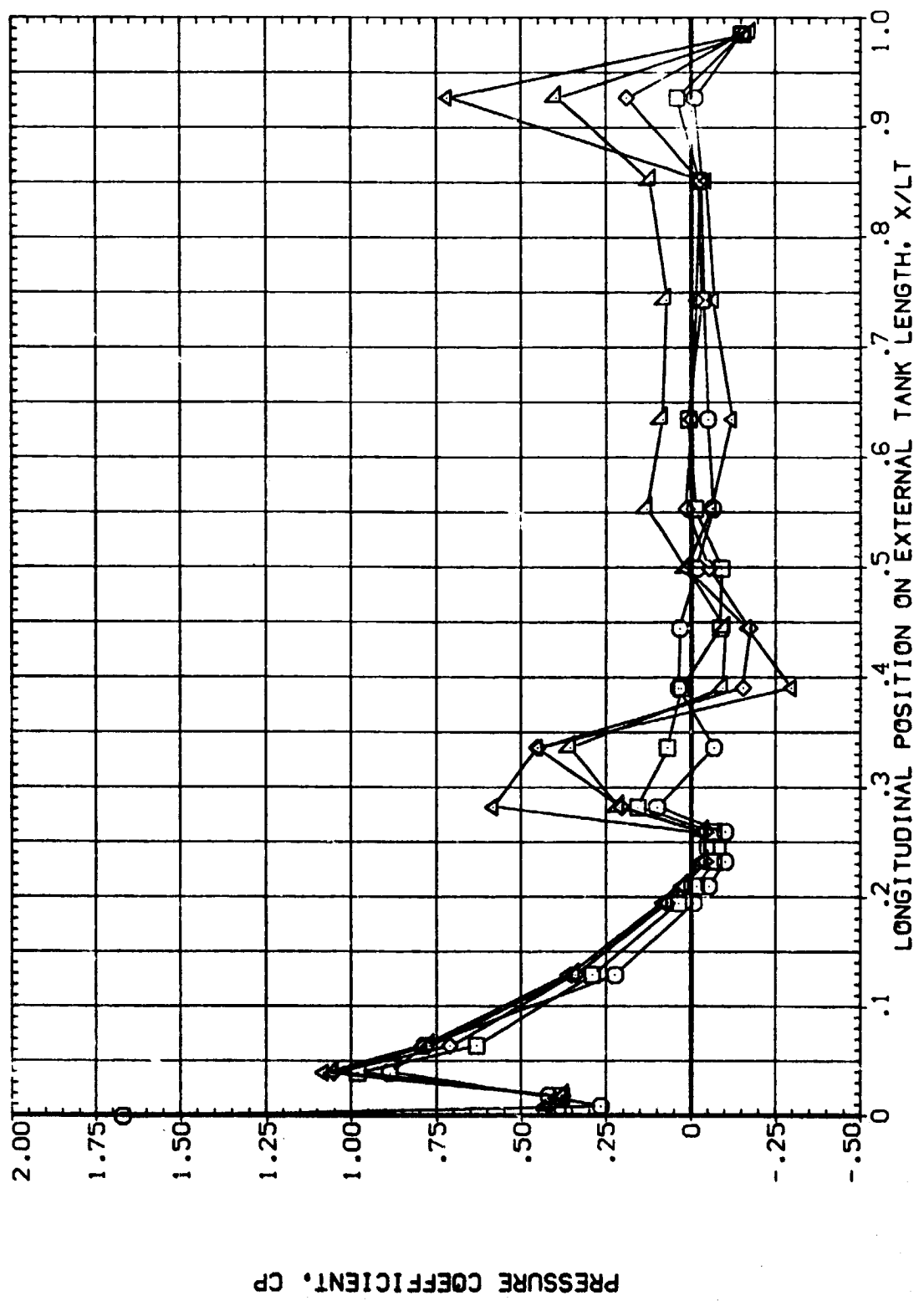


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL PHI BETAT ALPHAT
 □ 135.000
 ◇ 147.000
 △ 162.000
 :80.000

MACH 2.500
 ELV-18 .000
 RUDDER .000
 PARAMETRIC VALUES
 RN/FT 2.000
 ELV-08 .000
 SPOBRK .000

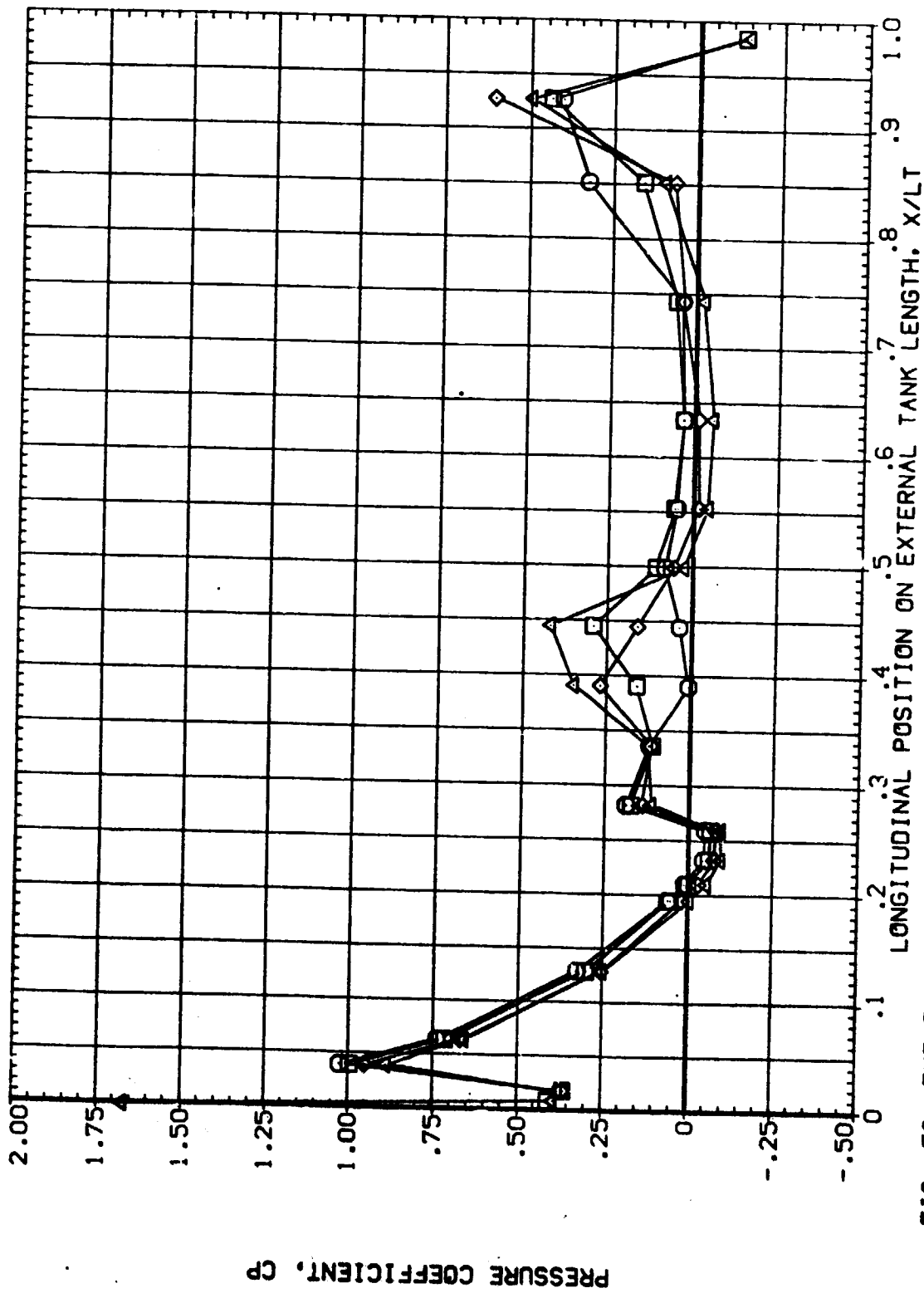


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON 1/0 = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	-4.000	.000	ELV-1B	2.000 RN/FT
□	30.000			RUDDER	.000 ELV-0B
◇	60.000				.000 SPDBRK
△	90.000				
▽	.20.000				

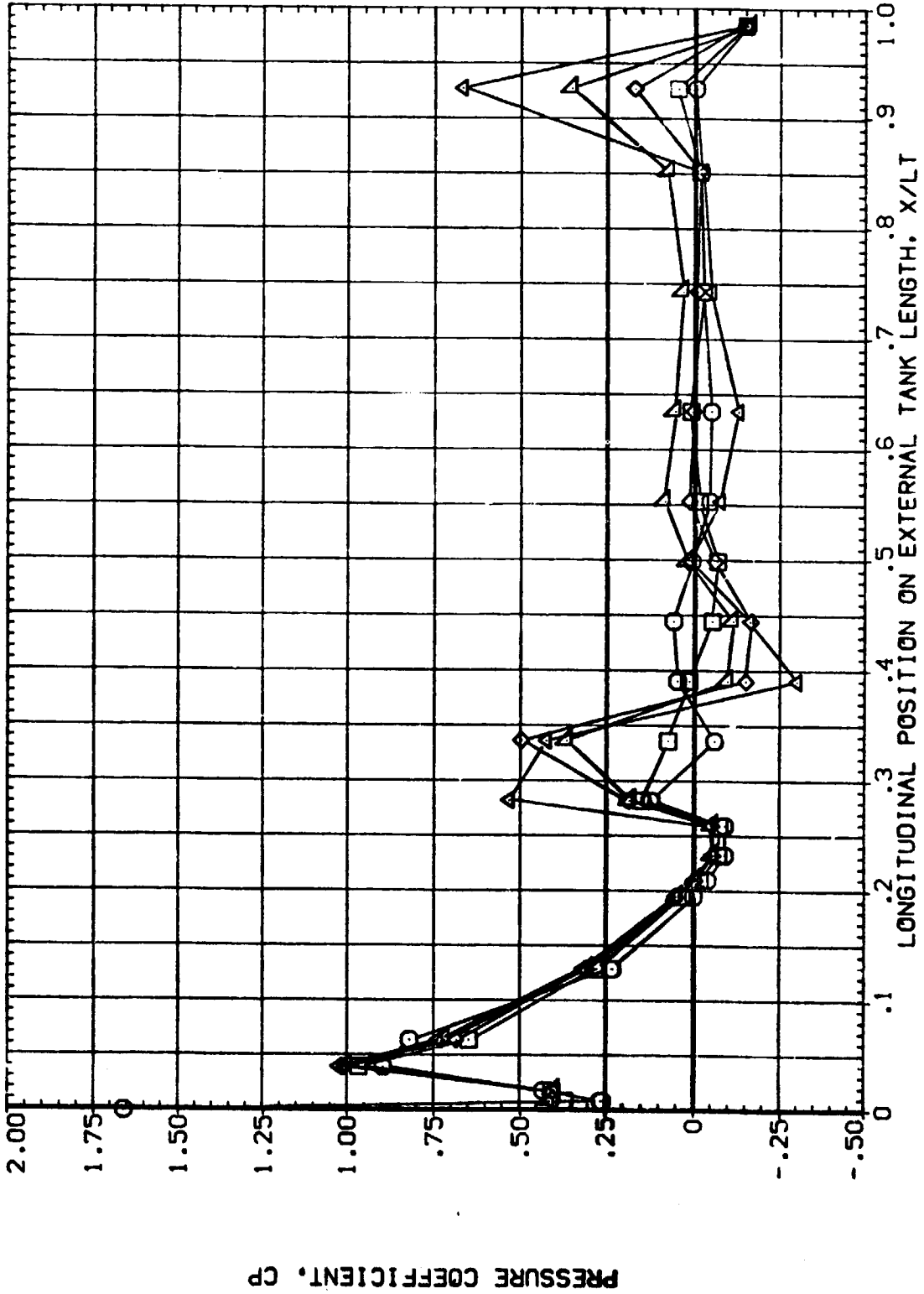


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT47)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-1B	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-0B	SPOBRK
○	:35.000	-4.000	.000	2.000	.000	.000	2.500	.000	.000	.000
□	:47.000									
◇	:62.000									
△	:80.000									

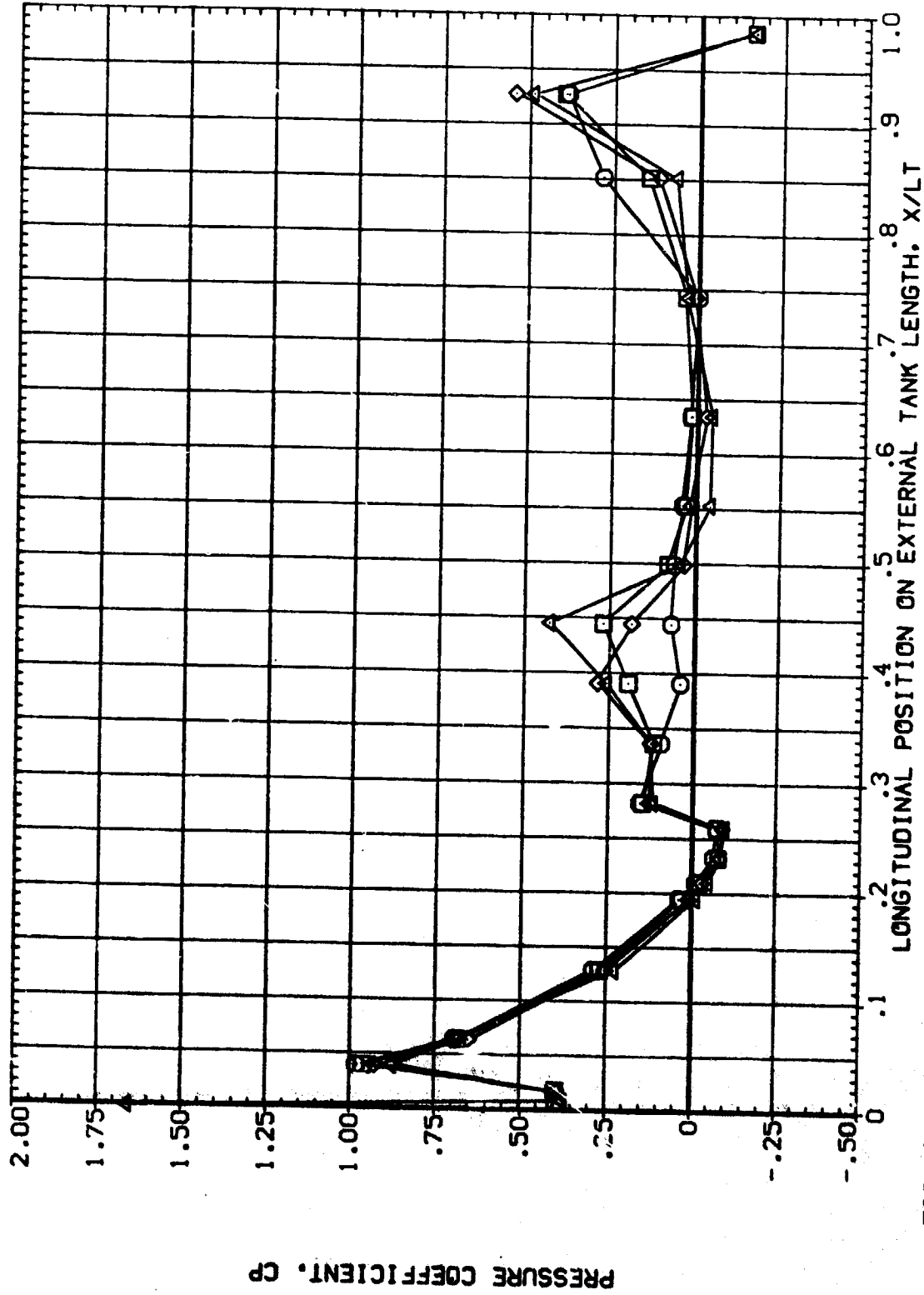


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 I181 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT40)

PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
.000	.000	.000	ELV-1B	2.000 RN/FT
30.000			RUDDER	.000 ELV-08
60.000				.000 SPD3RK
90.000				.000
.20.000				

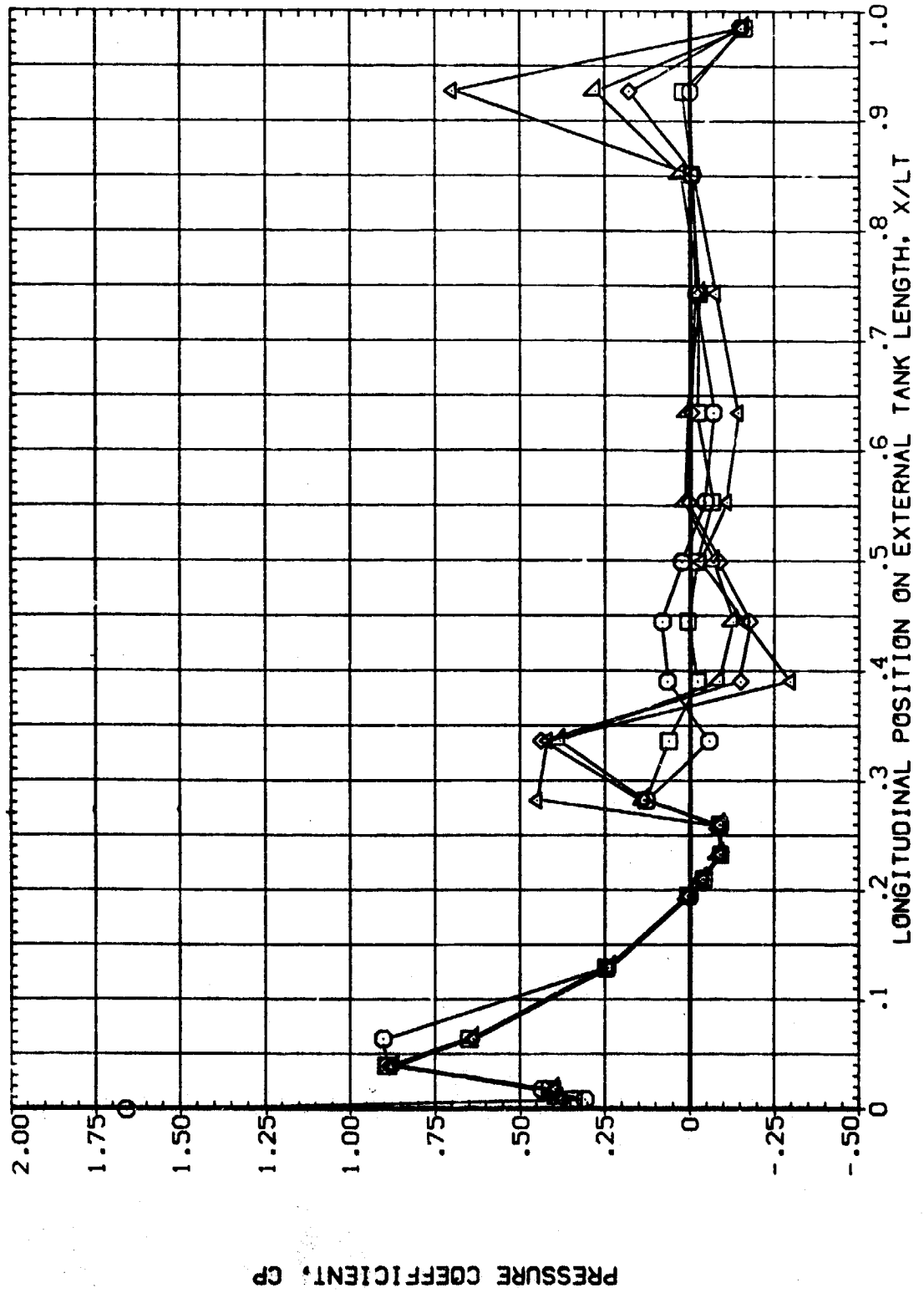


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD3RK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 .000 .000
 □ :47.000
 ◇ :62.000
 △ :60.000

MACH 2.000
 ELV-18 .000
 RUDDER .000
 PARAMETRIC VALUES
 RM/FT 2.500
 ELV-08 .000
 SPDBRK .000

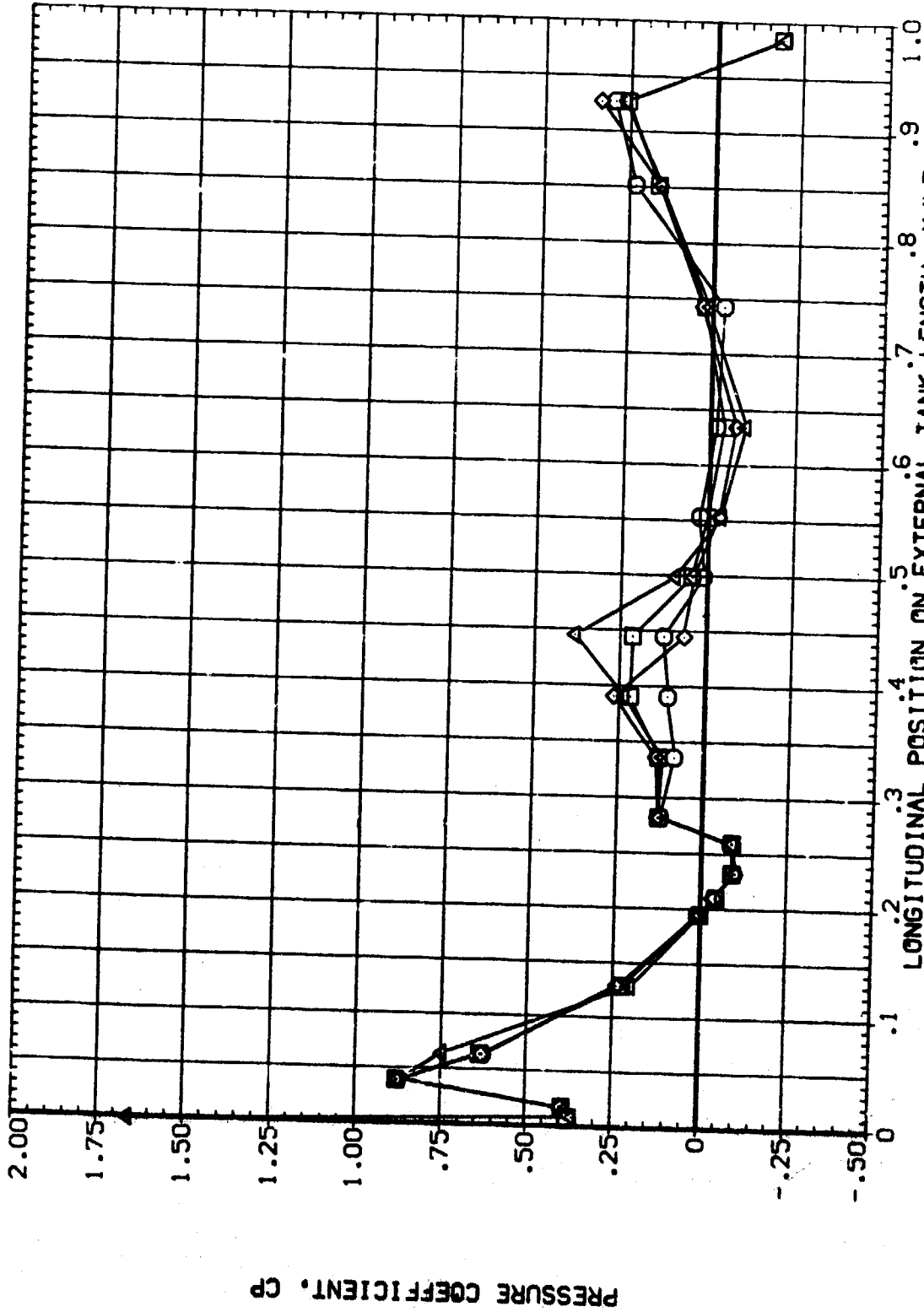


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-OB .000
 RUDDER .000 SPOBRK .000

SYMBOL PHI BETAT ALPHAT
 ○ .000 .000
 □ 30.000
 ◇ 60.000
 △ 90.000
 ▽ 120.000

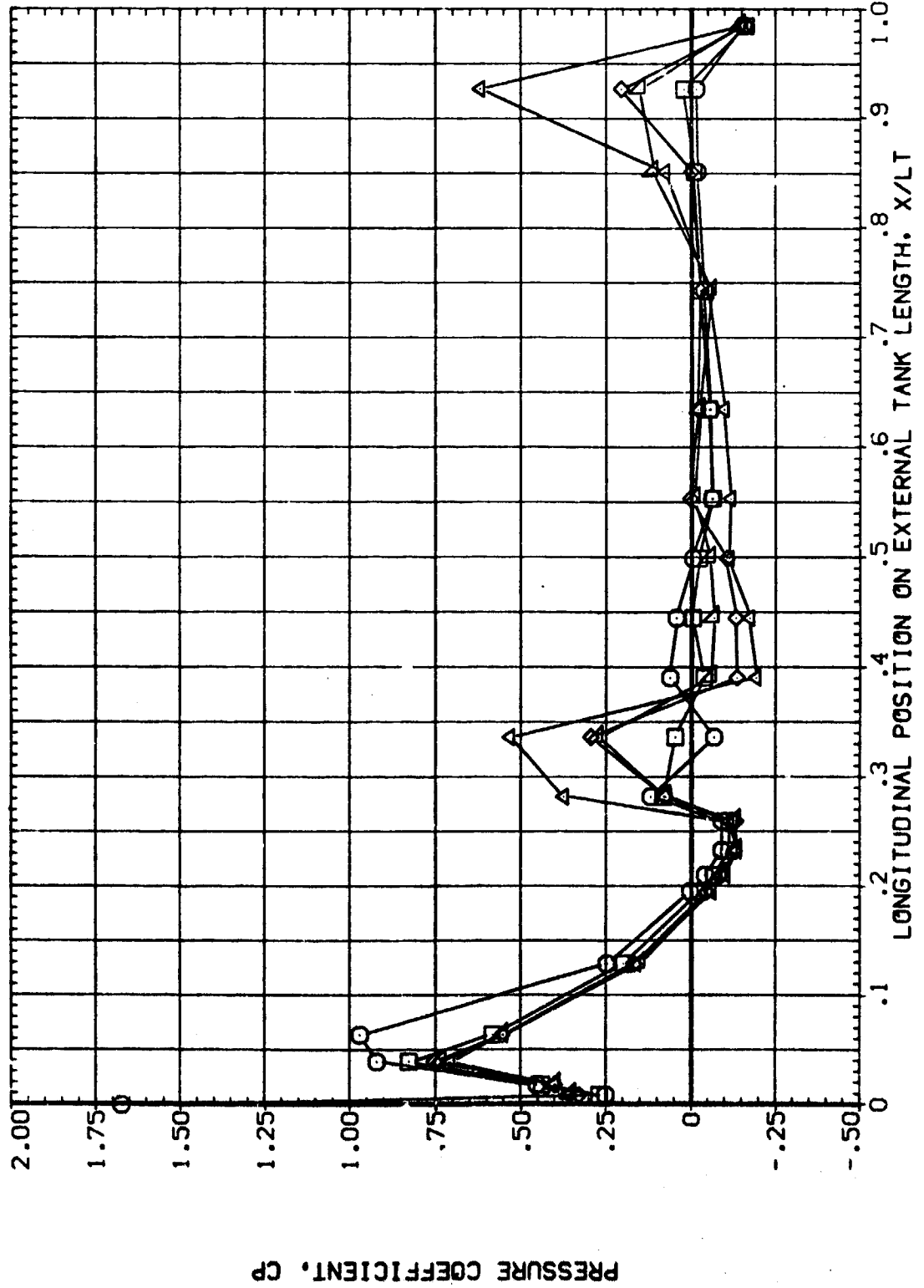


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

PHI .35.000
 BETAT 4.000
 ALPHAT .000

SYMBOL
 ○
 □
 ◇
 △

MACH 2.000
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

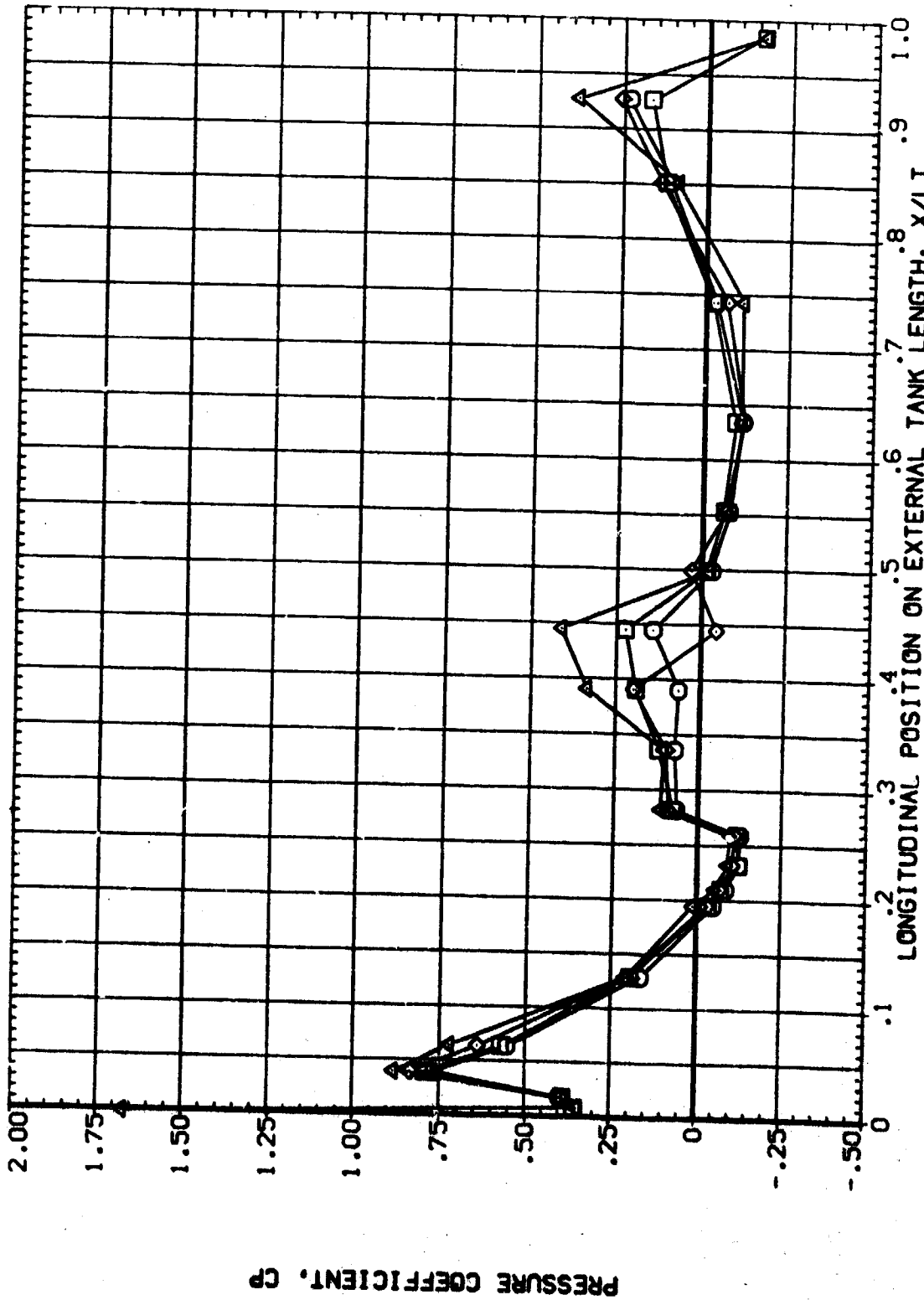


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/G, SPDBRK = 0, MACH = 2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL		PARAMETRIC VALUES	
○	PHI	MACH	RN/FT
□	.000	ELV-18	2.500
◇	30.000	RUDDER	.000
△	60.000	SPDBRK	.000
▽	90.000		
▽	120.000		

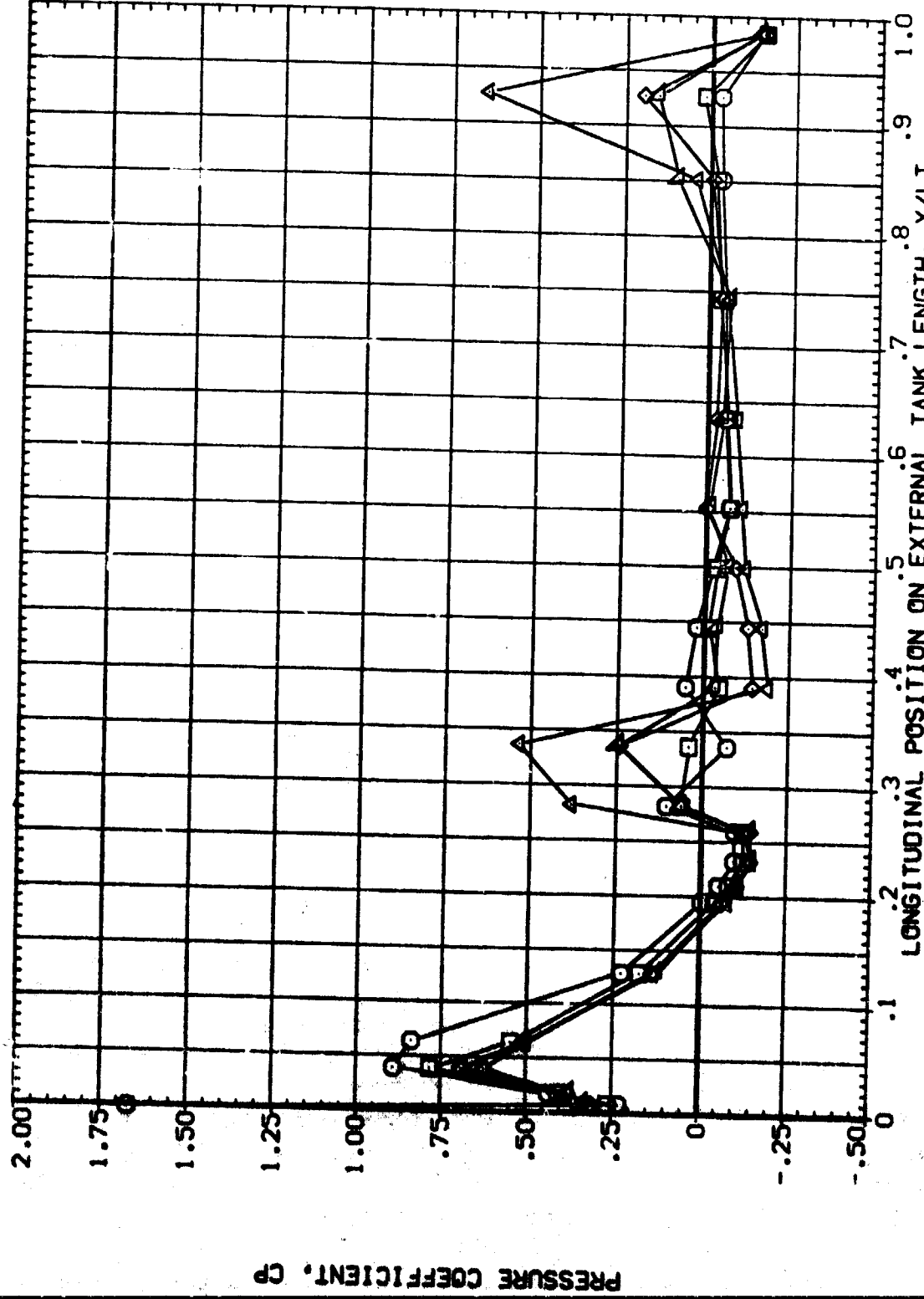


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL PHI BETAI ALPHAIAT
 ○ 1.25.000
 □ 1.47.000
 ◇ 1.62.000
 △ 1.80.000

MACH 2 500
 ELV-IB 2.000 RM/FT
 RUDDER .000 ELV-OB
 .000 SPOBRK
 .000 .000

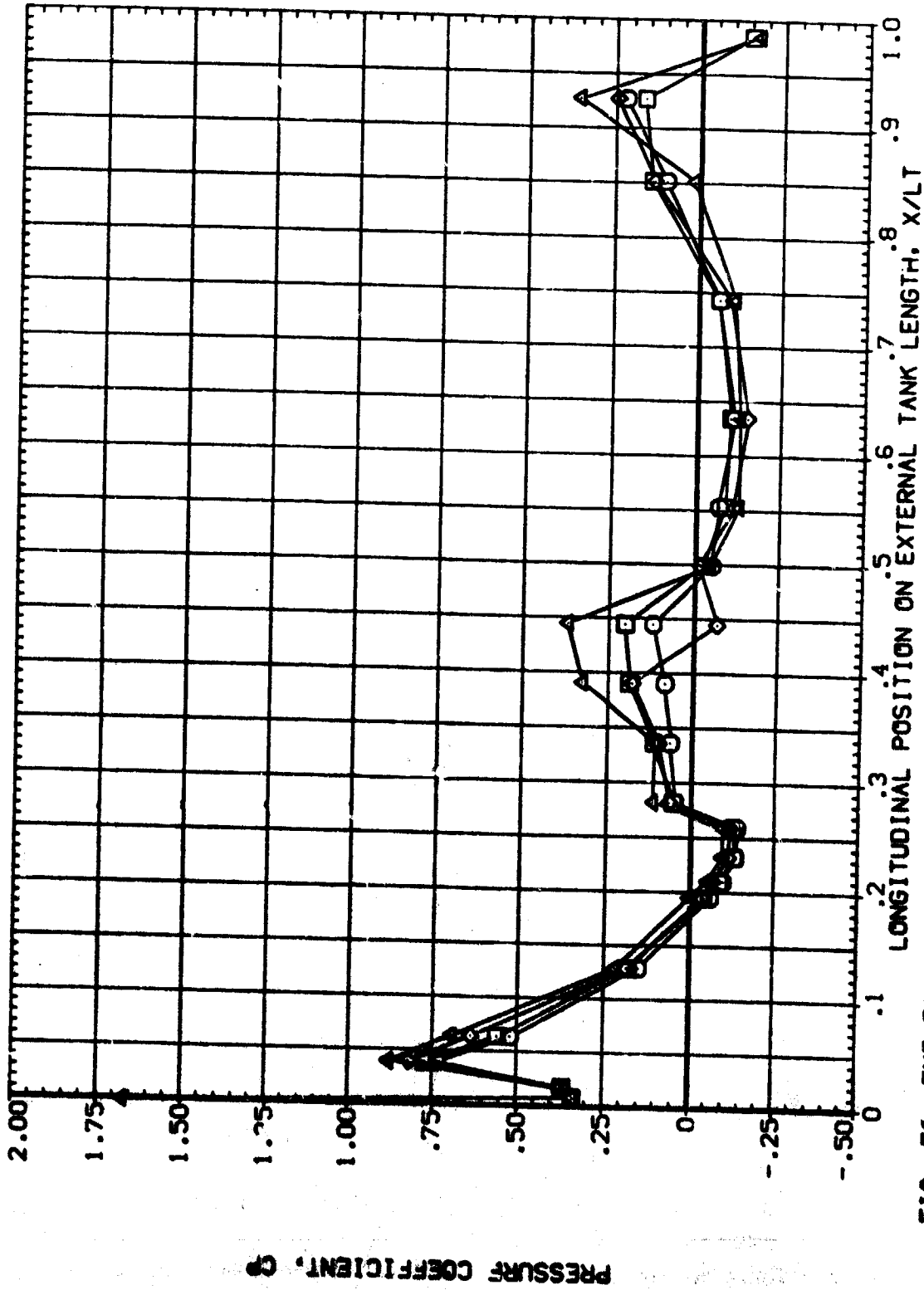


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	ELV-1B	2.000 RN/FT
◇	30.000			RUDDER	.000 ELV-09
□	60.000				.000 SPDBRK
△	90.000				.000
▽	120.000				

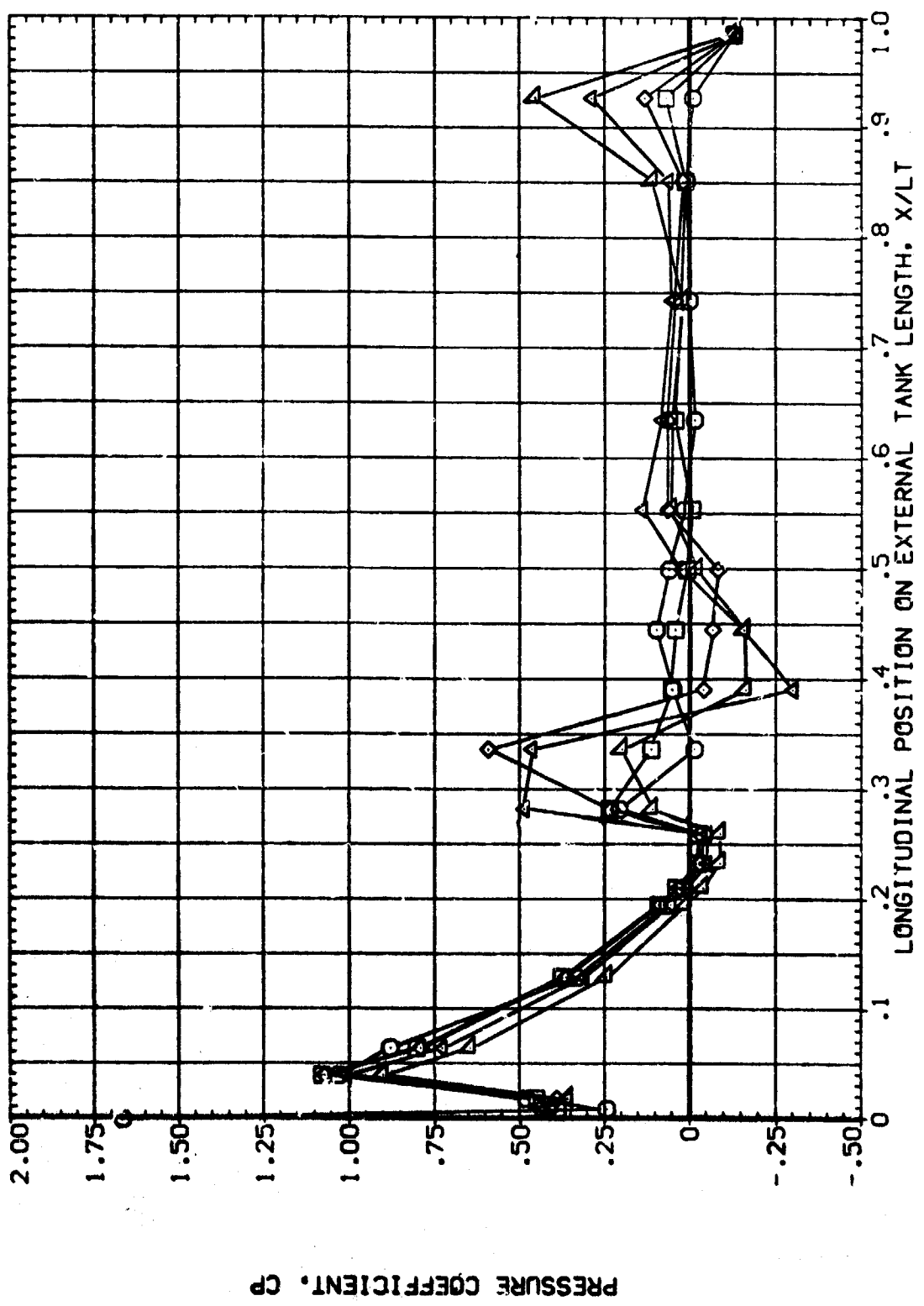


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAPC(LLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALF1/AT	MACH	PARAMETRIC VALUES
○	135.000	-4.000	4.000	ELV-18	2.000 RN/FT
□	147.000			RUDDER	.000 ELV-08
◇	162.000				.000 SPDRBK
△	180.000				.000

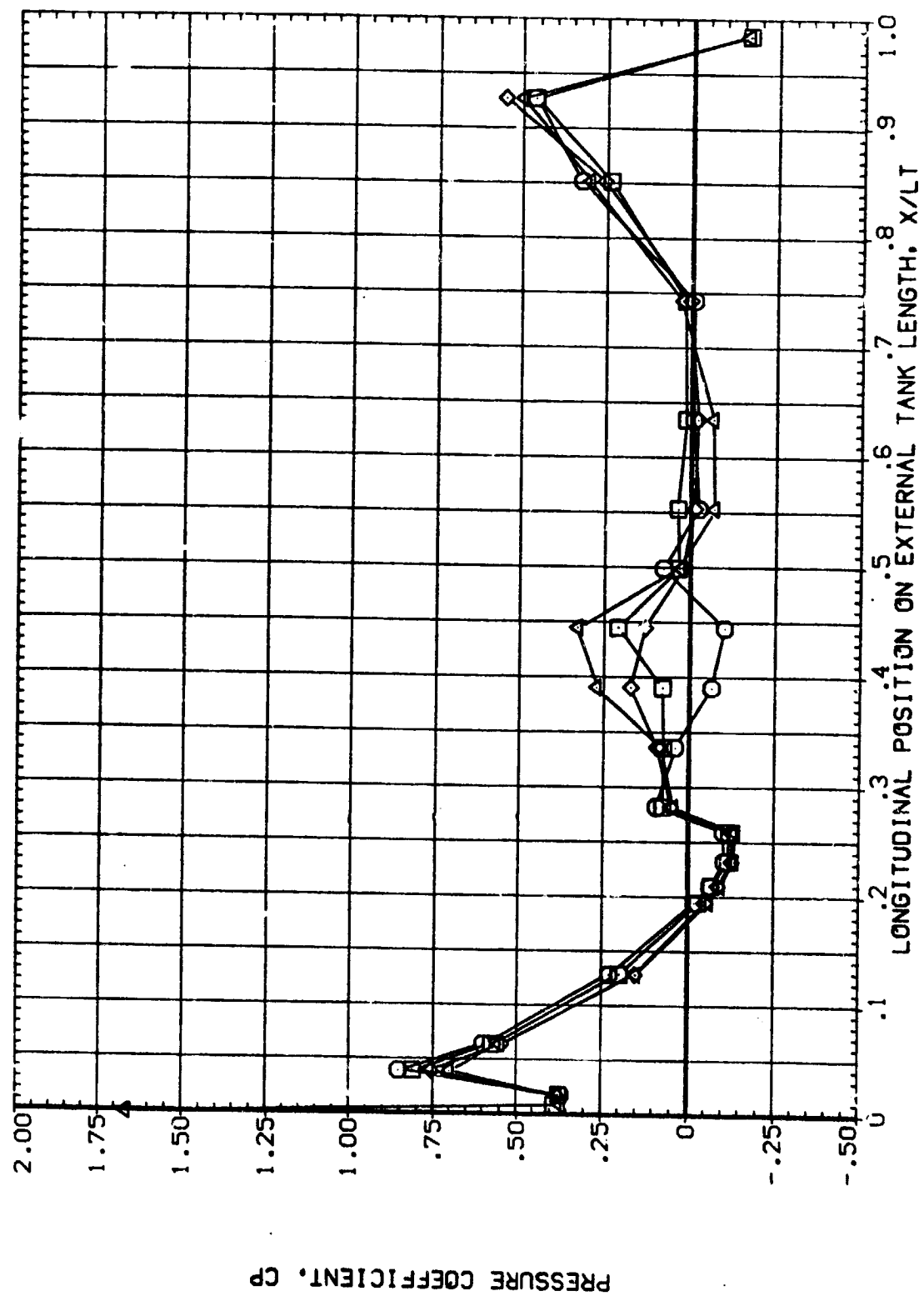


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRBK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
○		.000	.000	4.000	MACH	2.000	RN/FT	2.500
□		30.000			ELV-1B	.000	ELV-0B	.000
◇		60.000			RUDDER	.000	SPDBRK	.000
△		90.000						
▽		120.000						

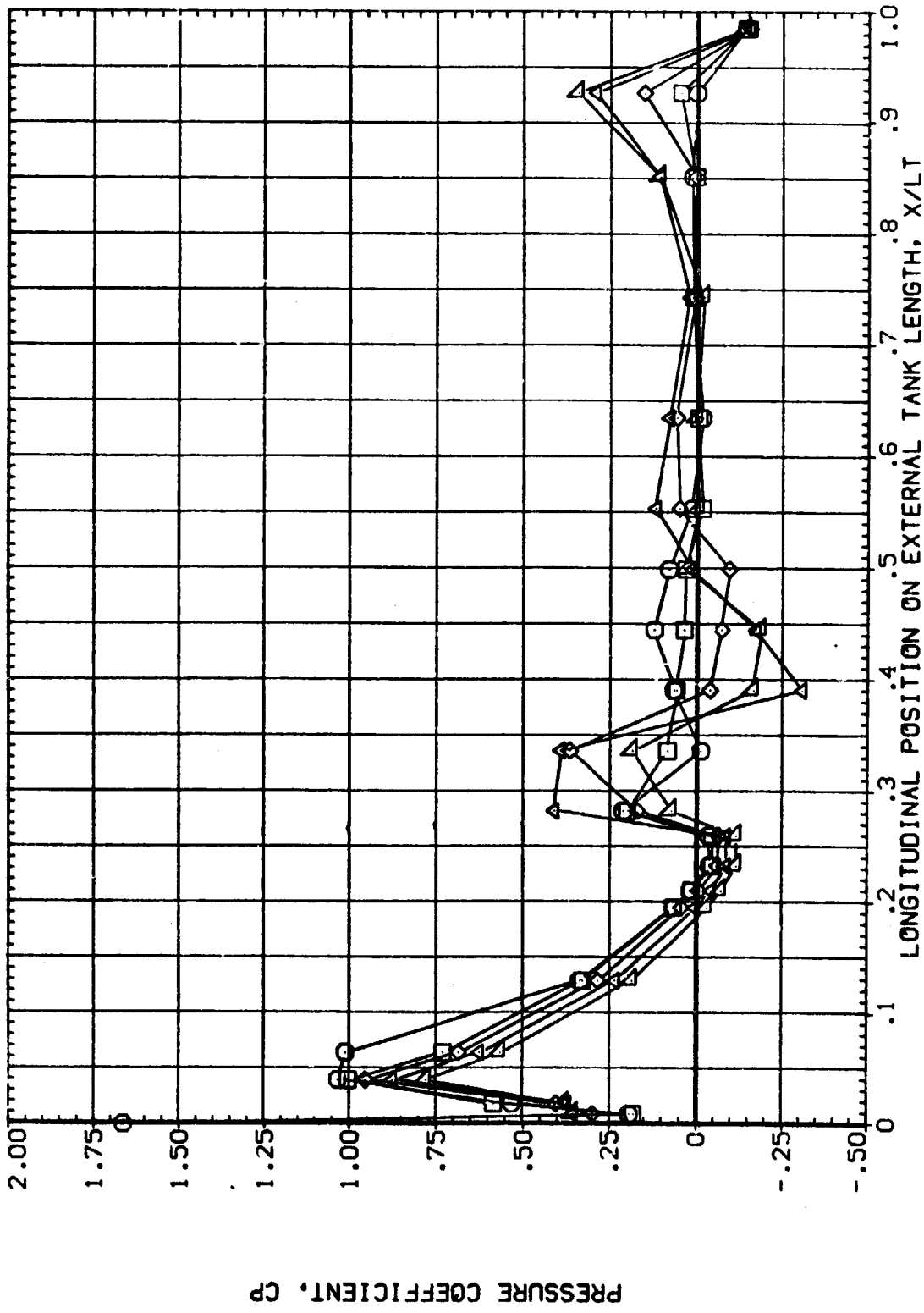


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL	PHI	BETAT	ALPHAT	PARAMETRIC VALUES		
○	:35.000	.000	4.000	2.000	RN/FT	2.500
□	:47.000			.000	ELV-08	.000
◇	:62.000			.000	SPDBRK	.000
△	:80.000					

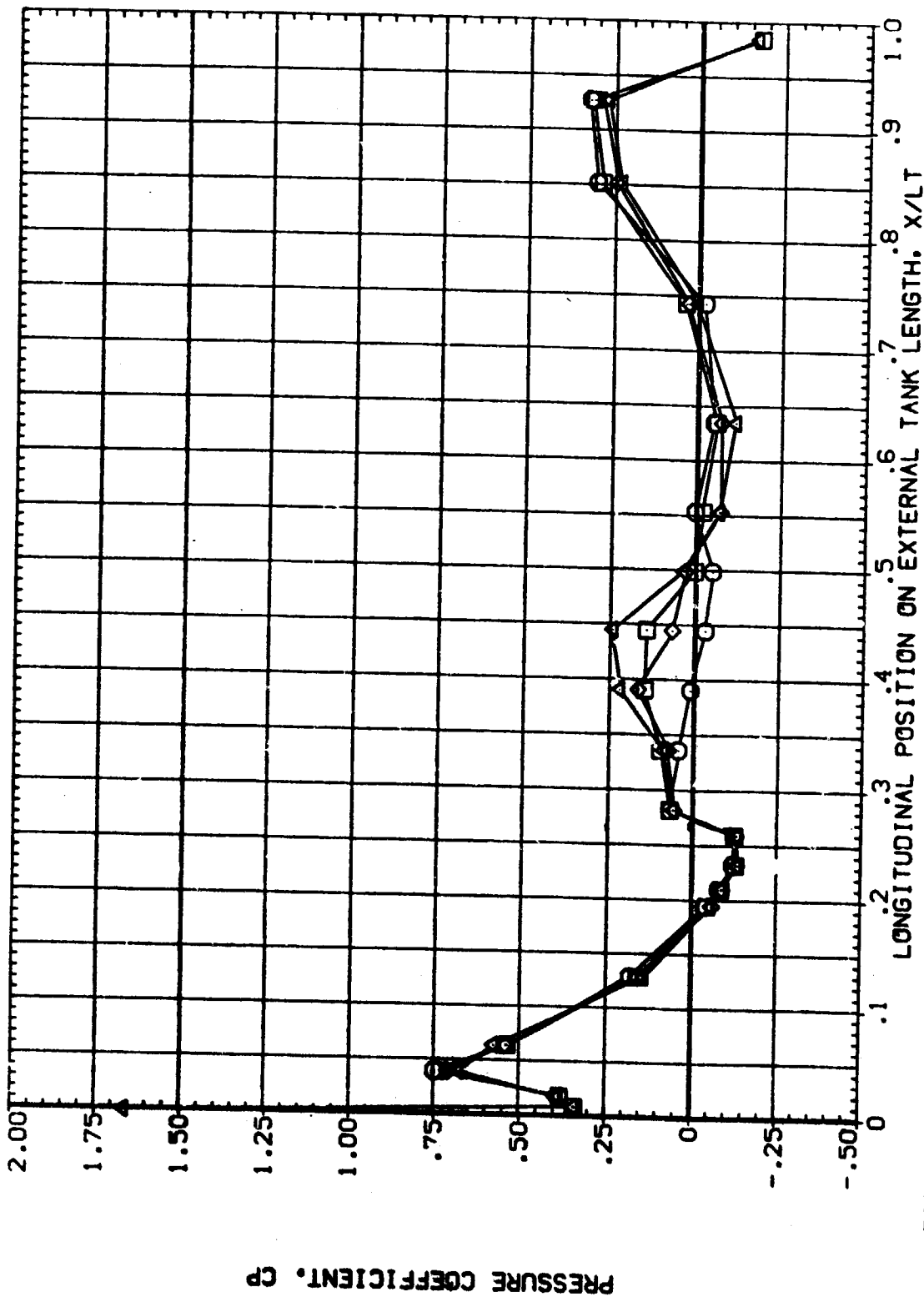


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES		
○	◇	.000	4.000	4.000	MACH	RV/FT	2.500
□	△	30.000			ELV-18	ELV-08	.000
		60.000			RUDDER	SPOBRK	.000
		90.000					
		.20.000					

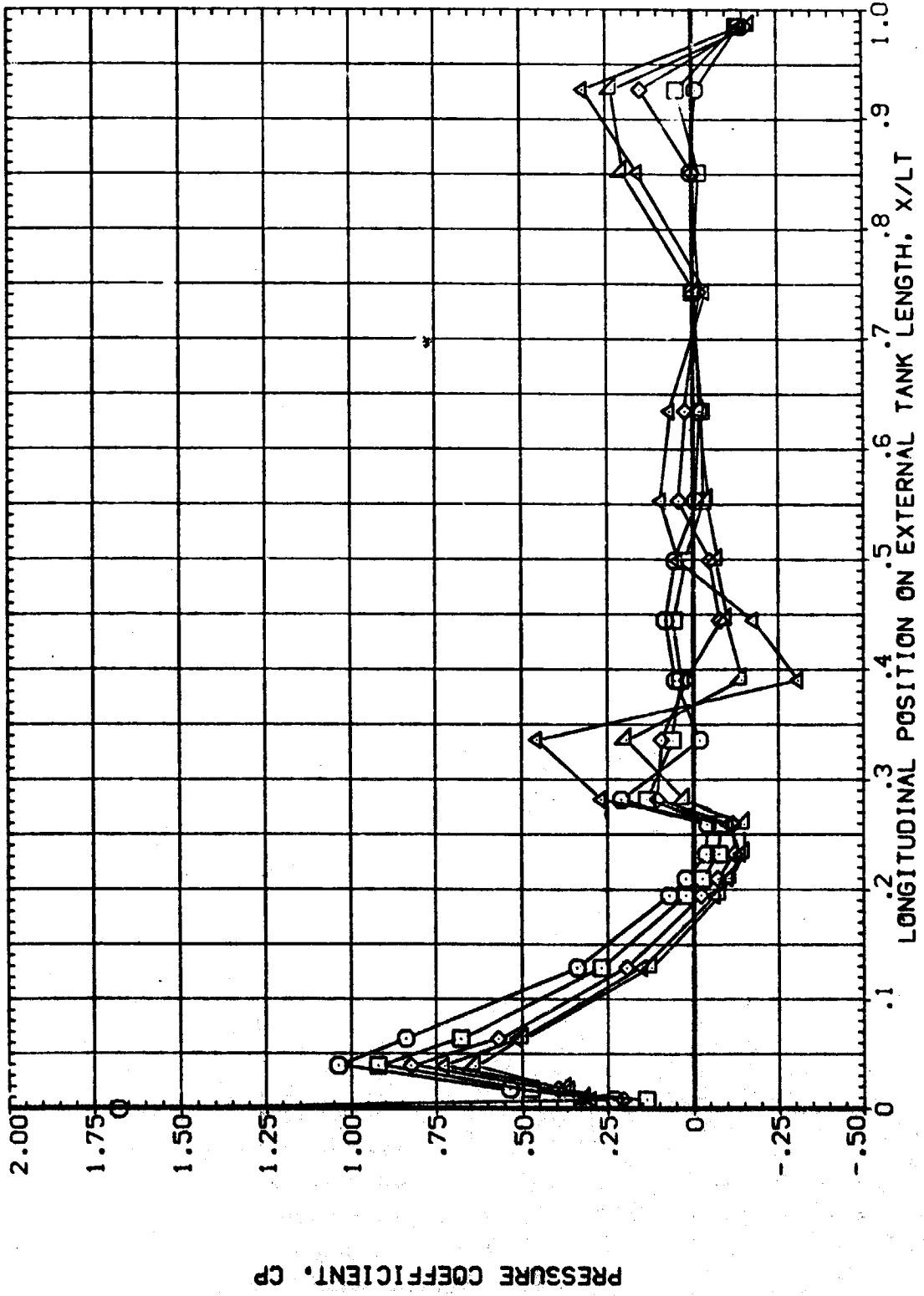


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
◇	135.000	4.000	4.000	ELV-18	2.000 RN/FT
□	147.800			RUDDER	.000 ELV-08
◇	162.000				.000 SPOBRK
△	180.000				.000

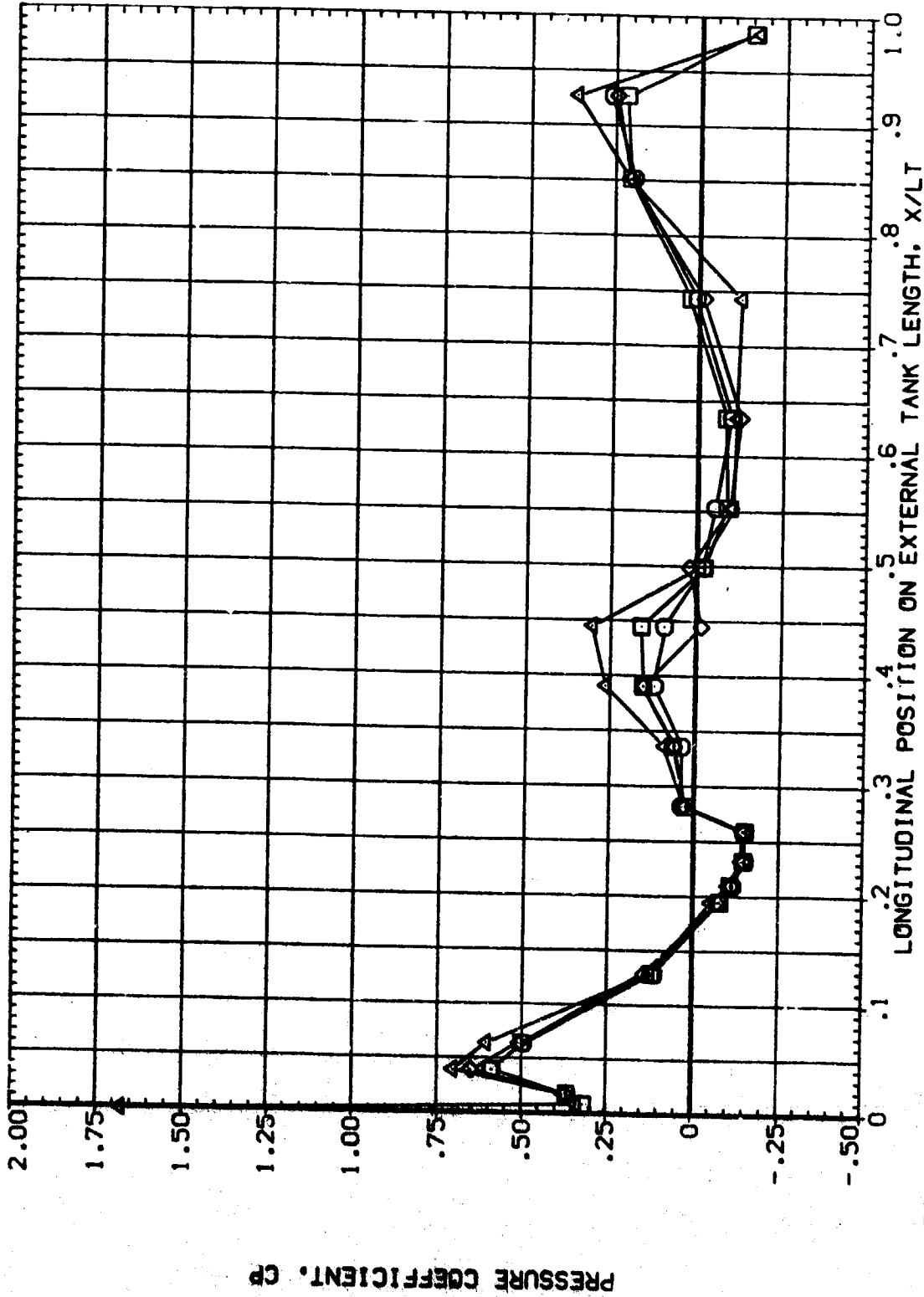


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT40)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
▽	◇	.000	.000	6.000	MACH	2.000	RN/FT	2.500
◇	◇	30.000			ELV-18	.000	ELV-08	.000
◇	◇	60.000			RUDDER	.000	SPDBRK	.000
◇	◇	90.000						
▽	◇	20.000						

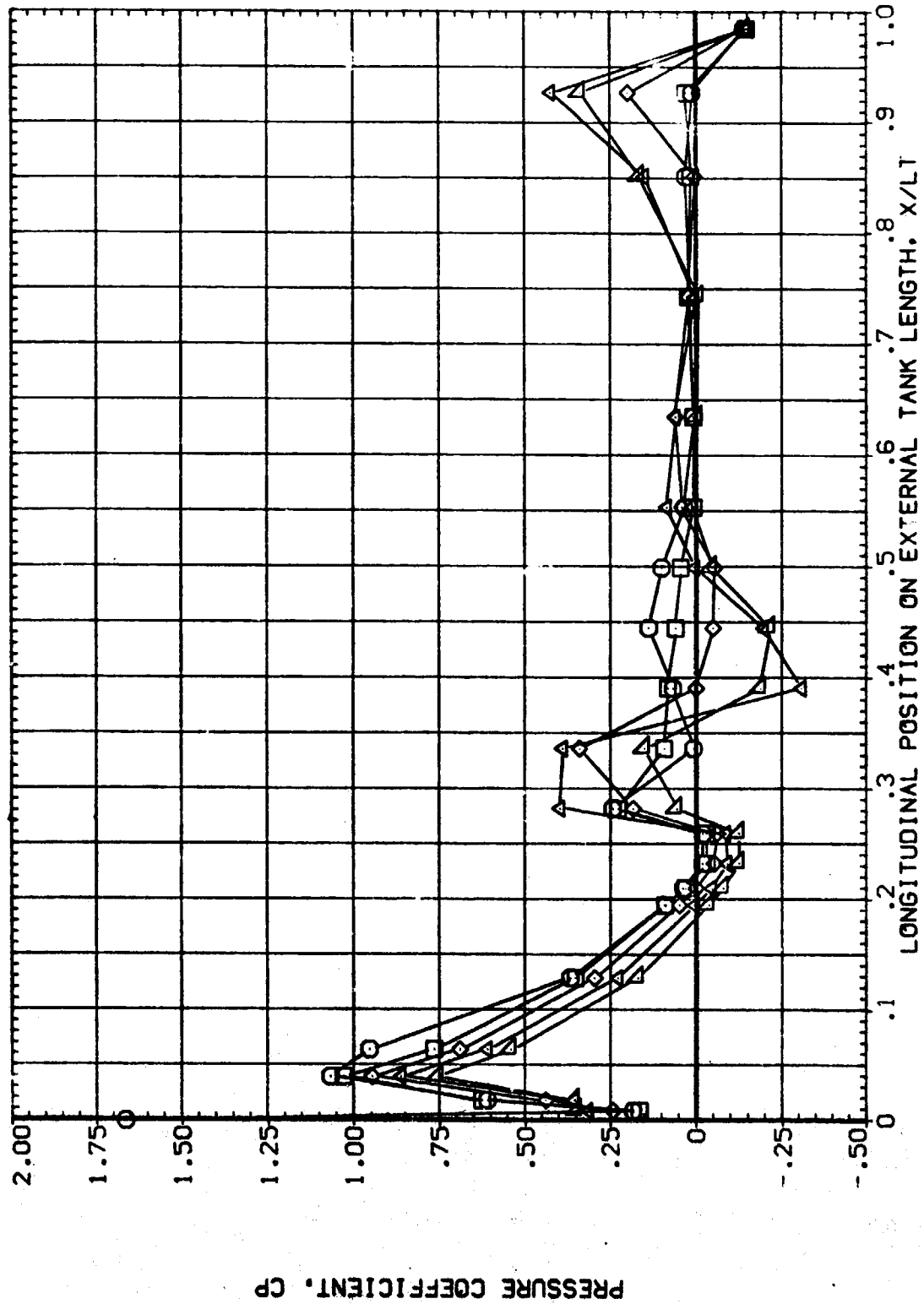


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT40)

SYMBOL PHI BETAT ALPHAT
 □ :35.000 .000 6.000
 ◇ :47.000
 △ :60.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELY-18 .000 ELY-08 .000
 RUDDER .000 SPDBRK .000

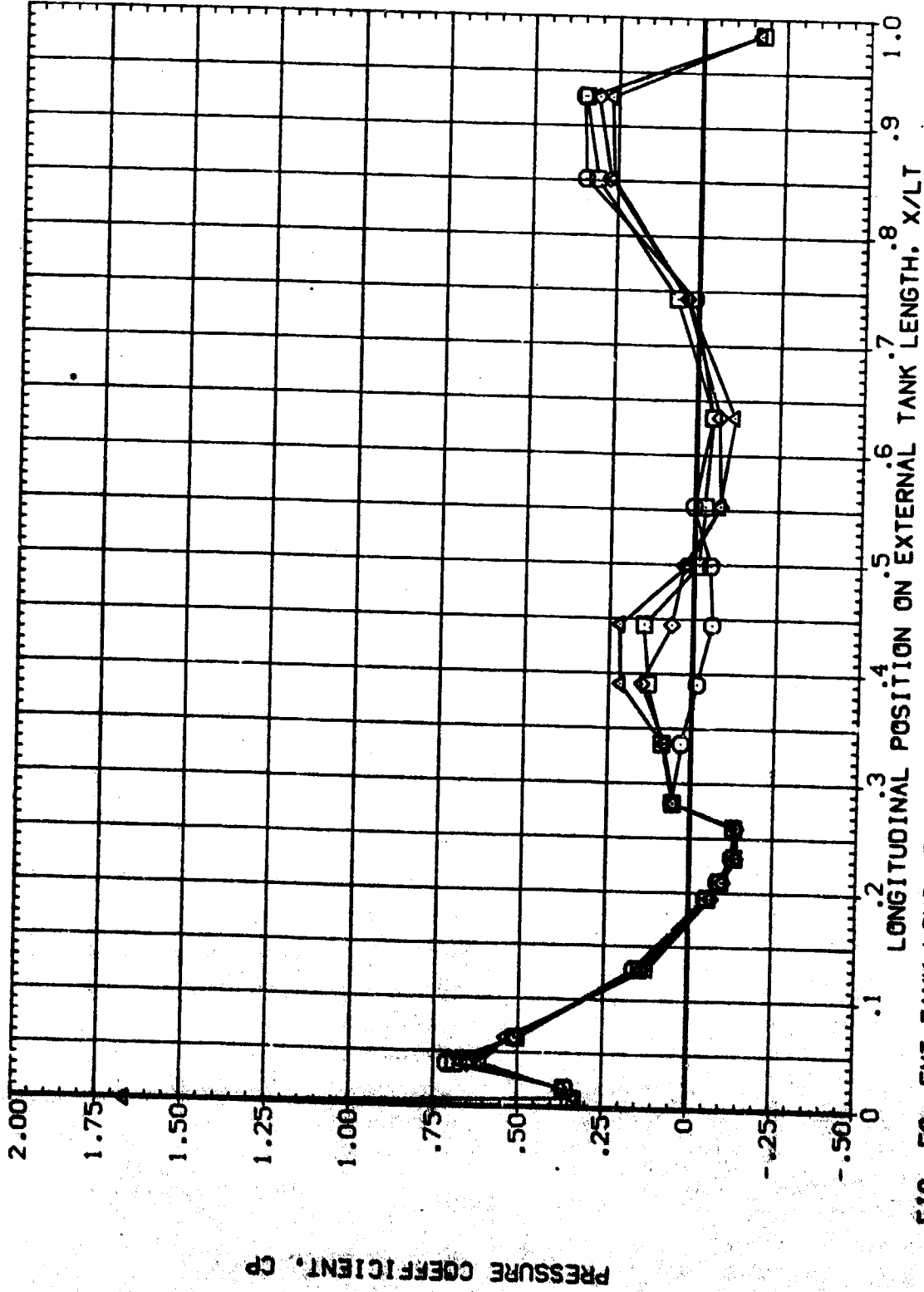


FIG. 50 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI		BETA		ALPHA		PARAMETRIC VALUES				
	.000	.30.000	.000	.000	-6.000	MACH	2.200	2.500	RN/FT	.000	.000
▽	60.000					ELV-18	.000		ELV-08		
◇	90.000					RUDDER	.000		SPOBRK		
□	20.000										

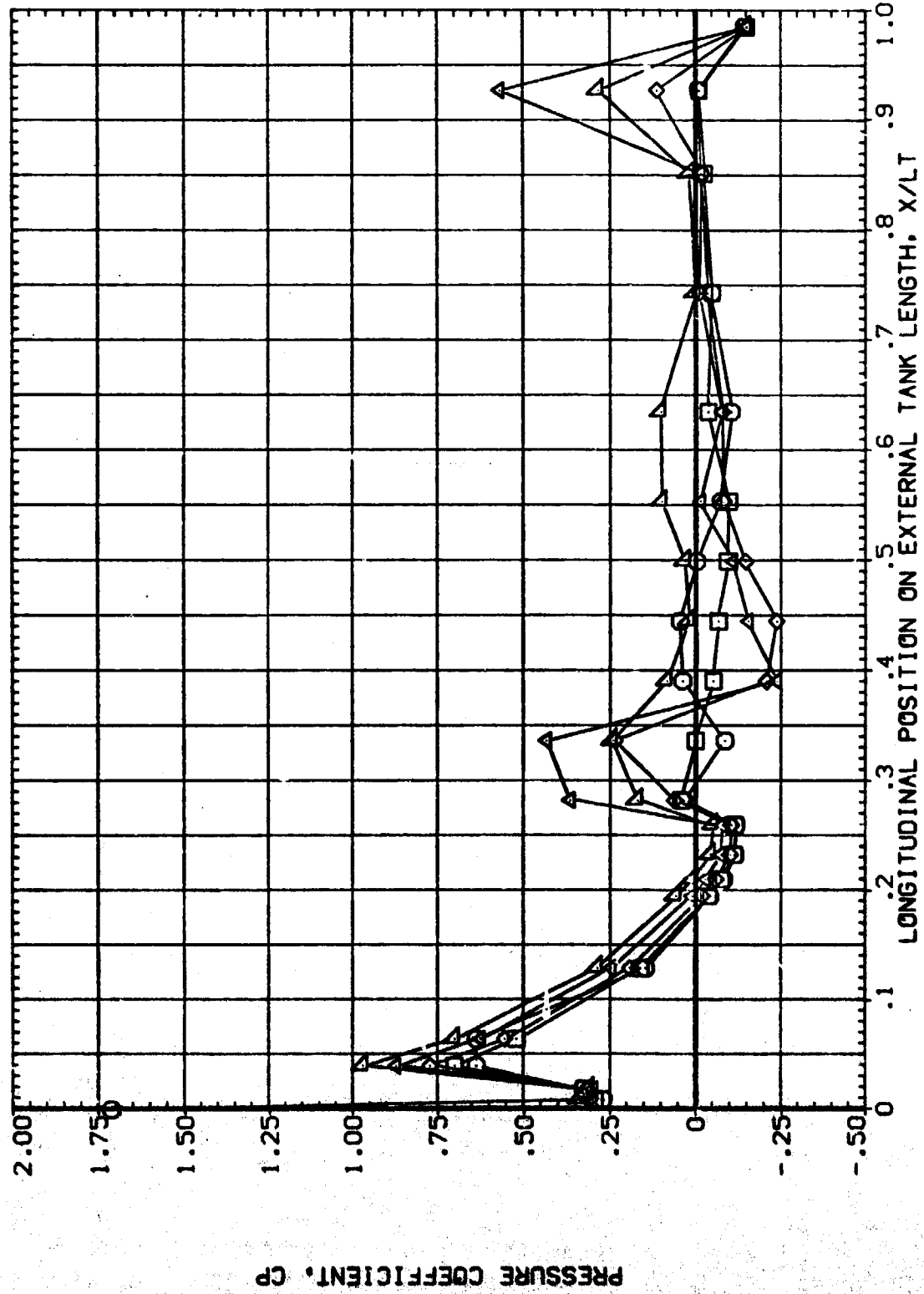


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0. SPOBRK = 0. MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:36.000	.000	-6.000	ELV-18	2.200 RN/FT
□	147.000			RUDDER	.000 ELV-08
◇	162.000				.000 SPDBRK
△	:80.000				.000

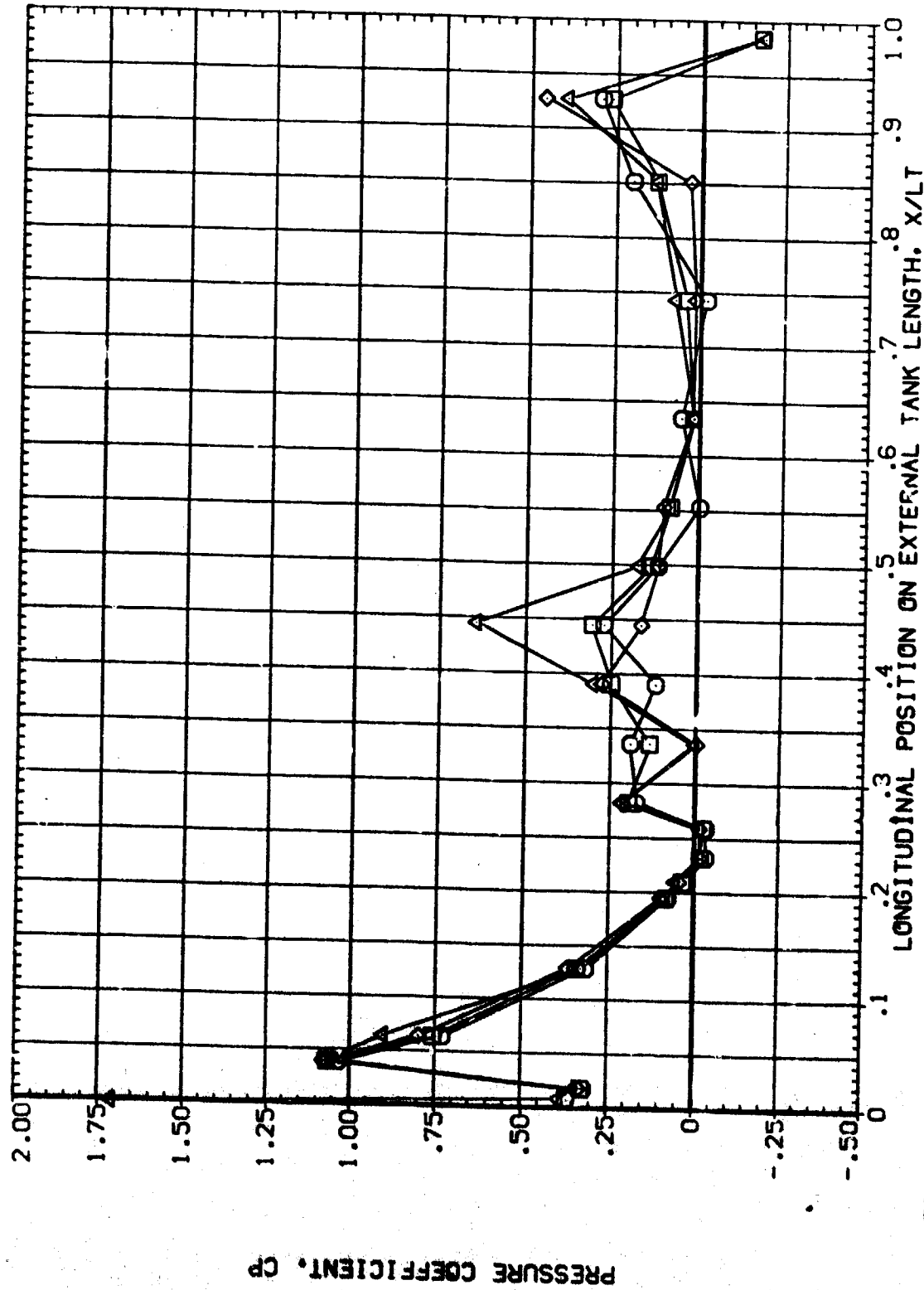


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON: I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-OB	SPOBRK
○	.000	-4.000	-4.000	2.200	.000	.000	2.200	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	120.000									

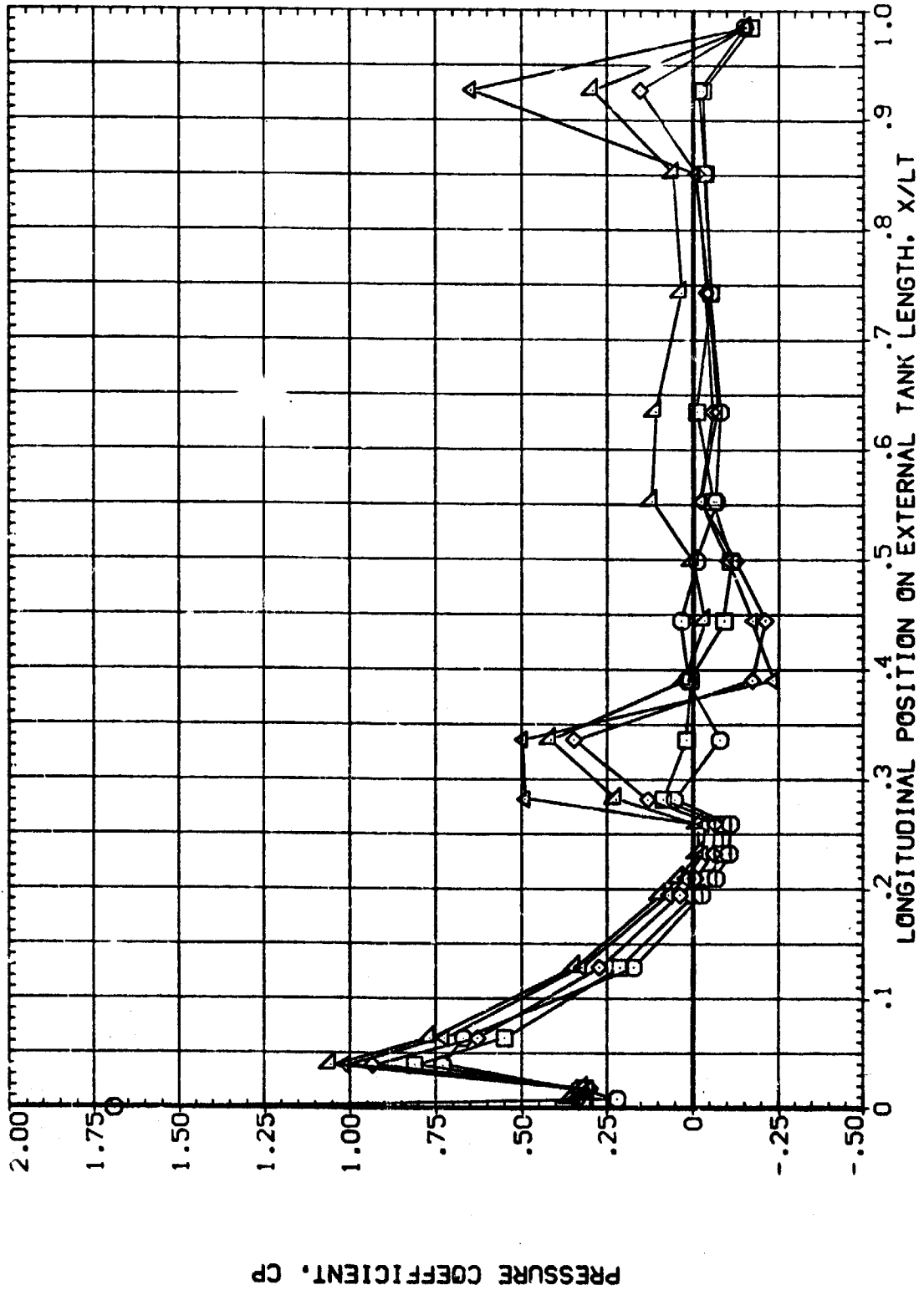


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT41)

SYMBOL	PHI	BETAT	ALPMAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	:25.000	-4.000	-4.000	2.200	RM/FT	2.500	
□	:47.000			.000	ELV-08	.000	
◇	:62.000			.000	SPOBRK	.000	
△	:80.000						

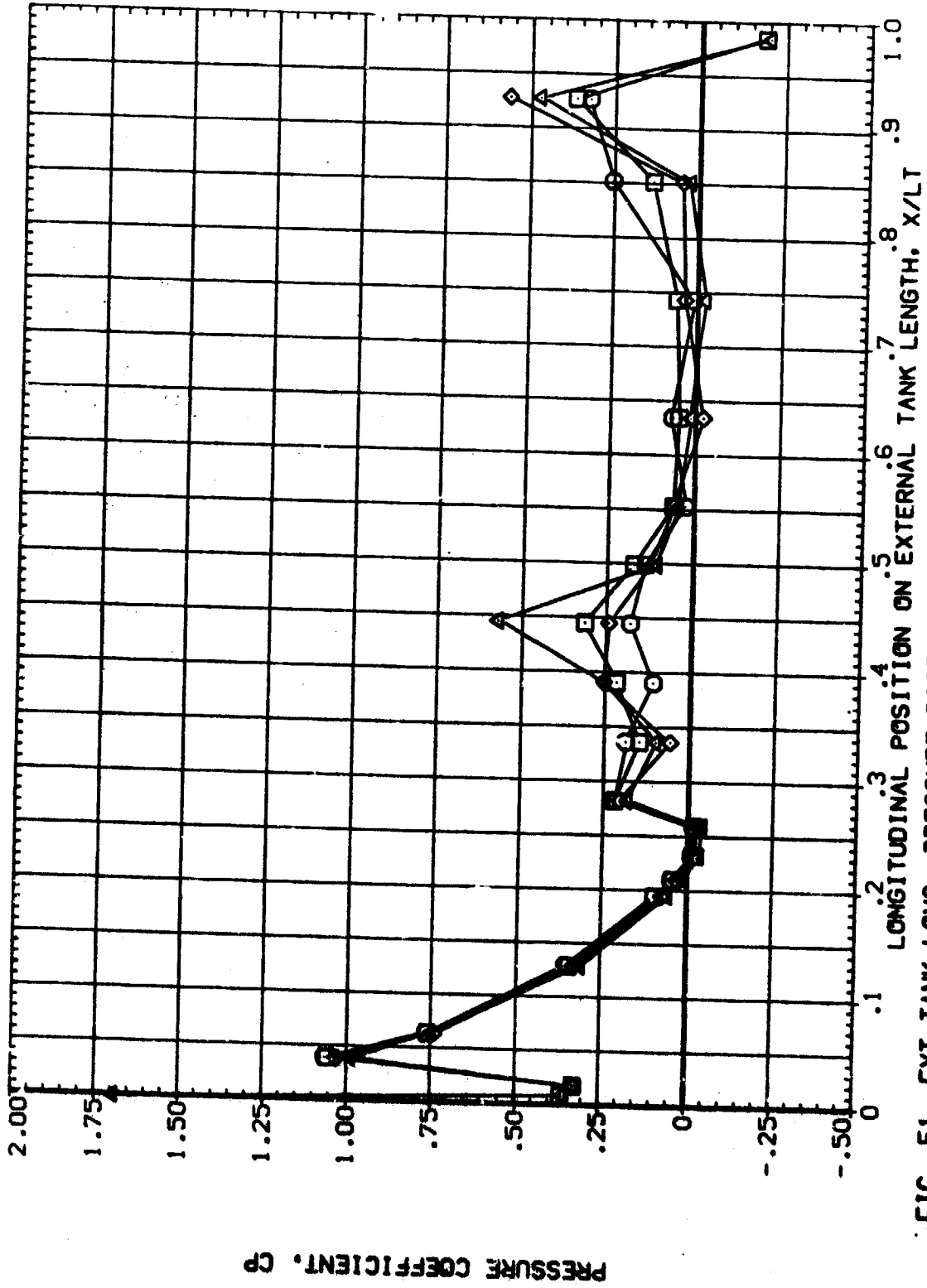


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETA	ALPHAT	MACH	PARAMETRIC VALUES
△	.000	.000	-4.000	ELV-1B	2.200 RN/FT
□	30.000	.000		RUDDER	.000 ELV-08
◇	60.000				.000 SPDBRK
▽	90.000				
▽	.20.000				

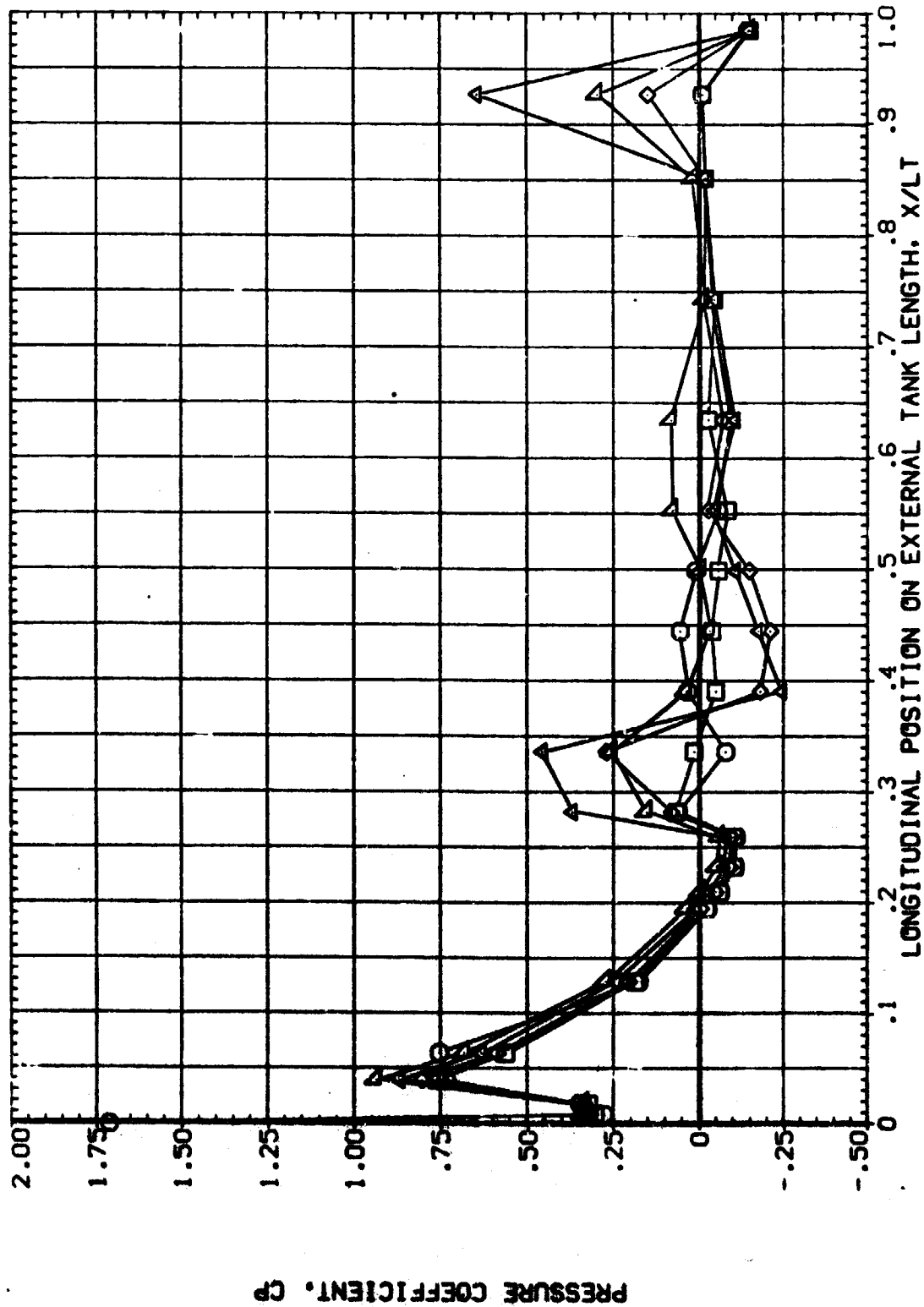


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL PMI BETAT ALPHAT
 ◊ 128.000 .000 -4.000
 ◑ 147.000
 ◒ 162.000
 ◓ 180.000

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPOBRK .000

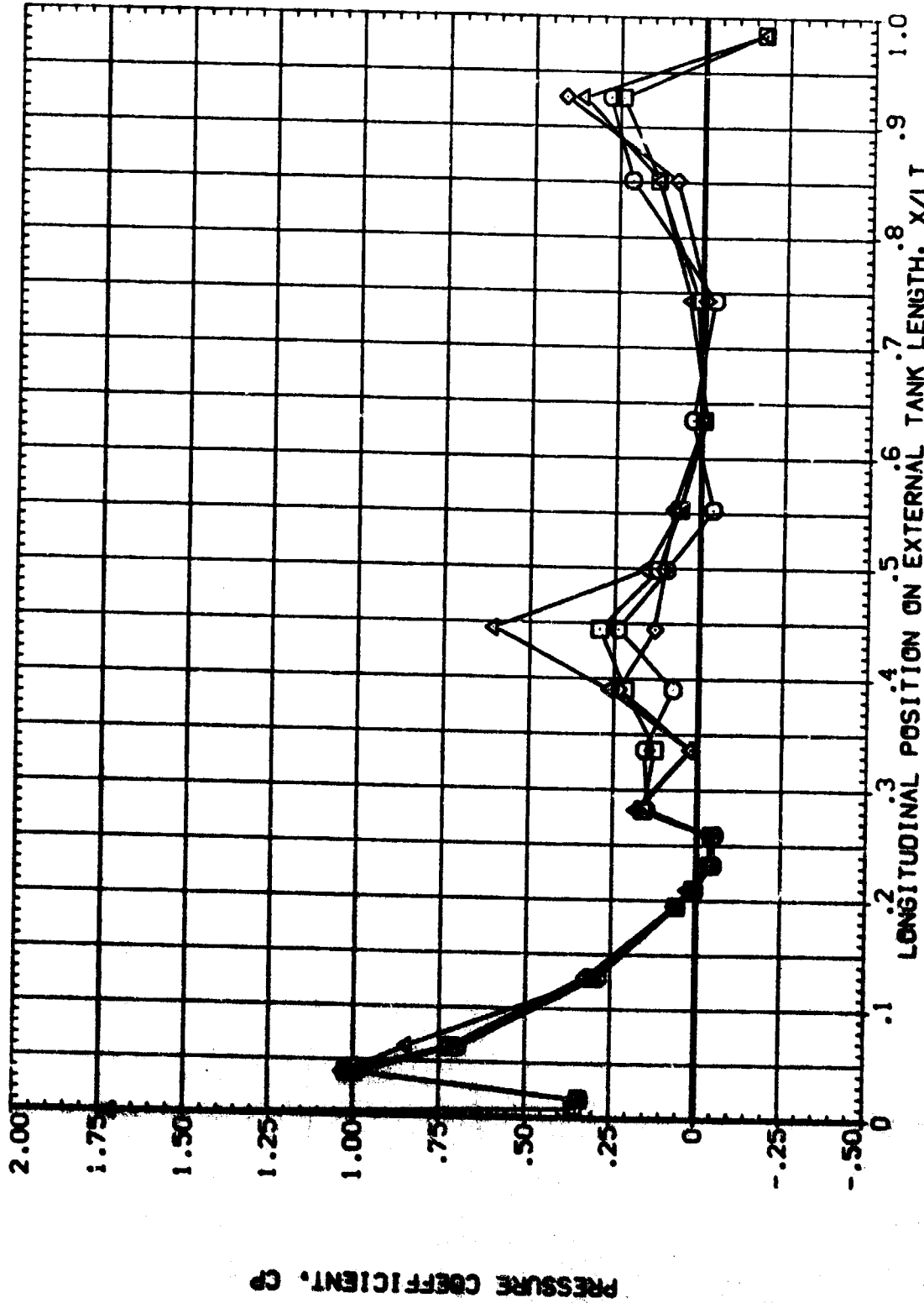


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC37-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
				MACH	RN/FT	ELV-DB	SPOBRK
▽	.000	4.000	-4.000	2.200	2.500		
◇	30.000			.000	.000		
□	60.000						
○	90.000						
△	120.000						

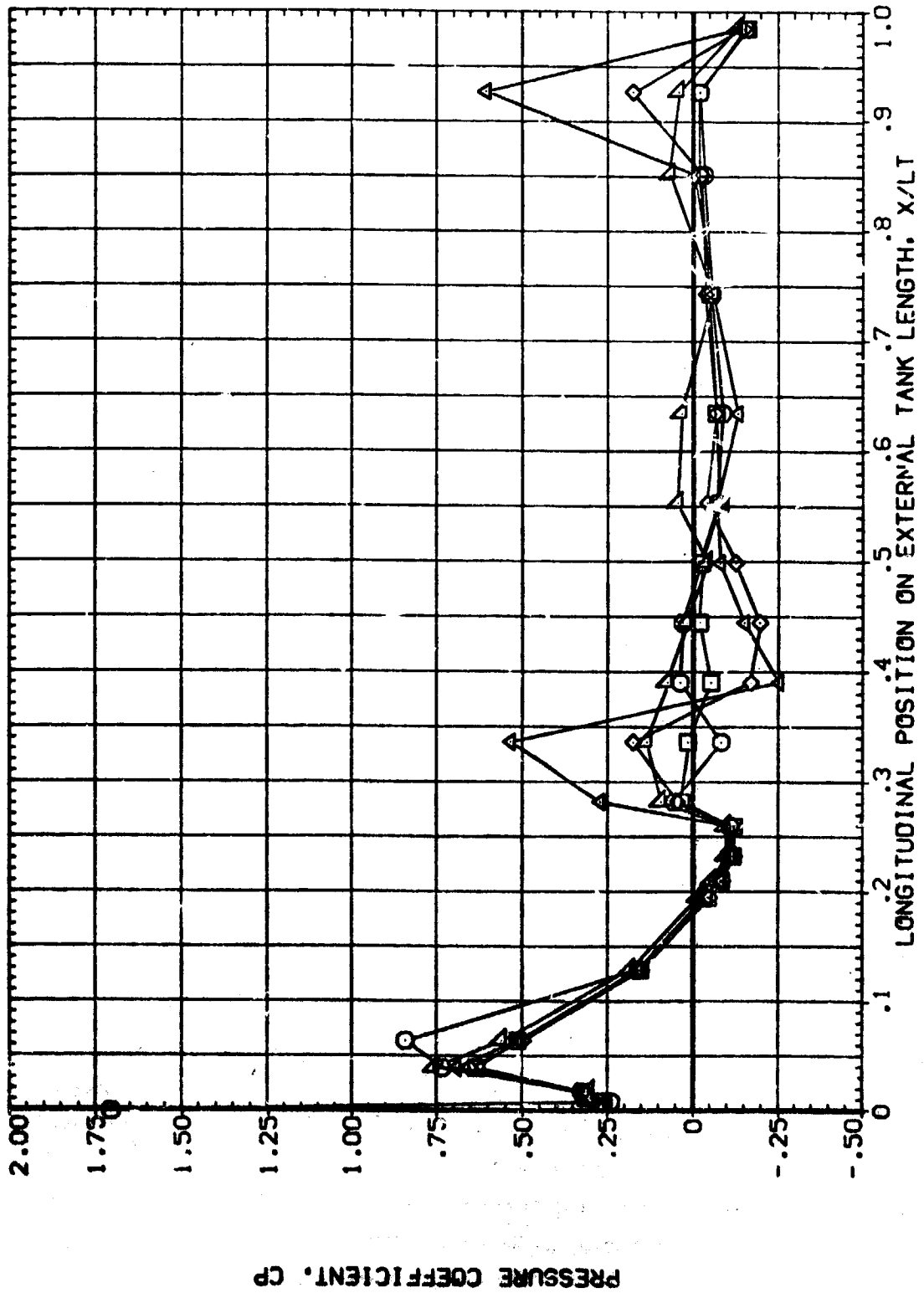


FIG. 51 EX1 TANK LONG. PRESSURE DIST. ELEVON 1/0 = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL PHI BETAT ALPHAT
 ○ 35.000 4.000 -4.000
 □ 47.000
 ◇ 162.000
 △ 80.000

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

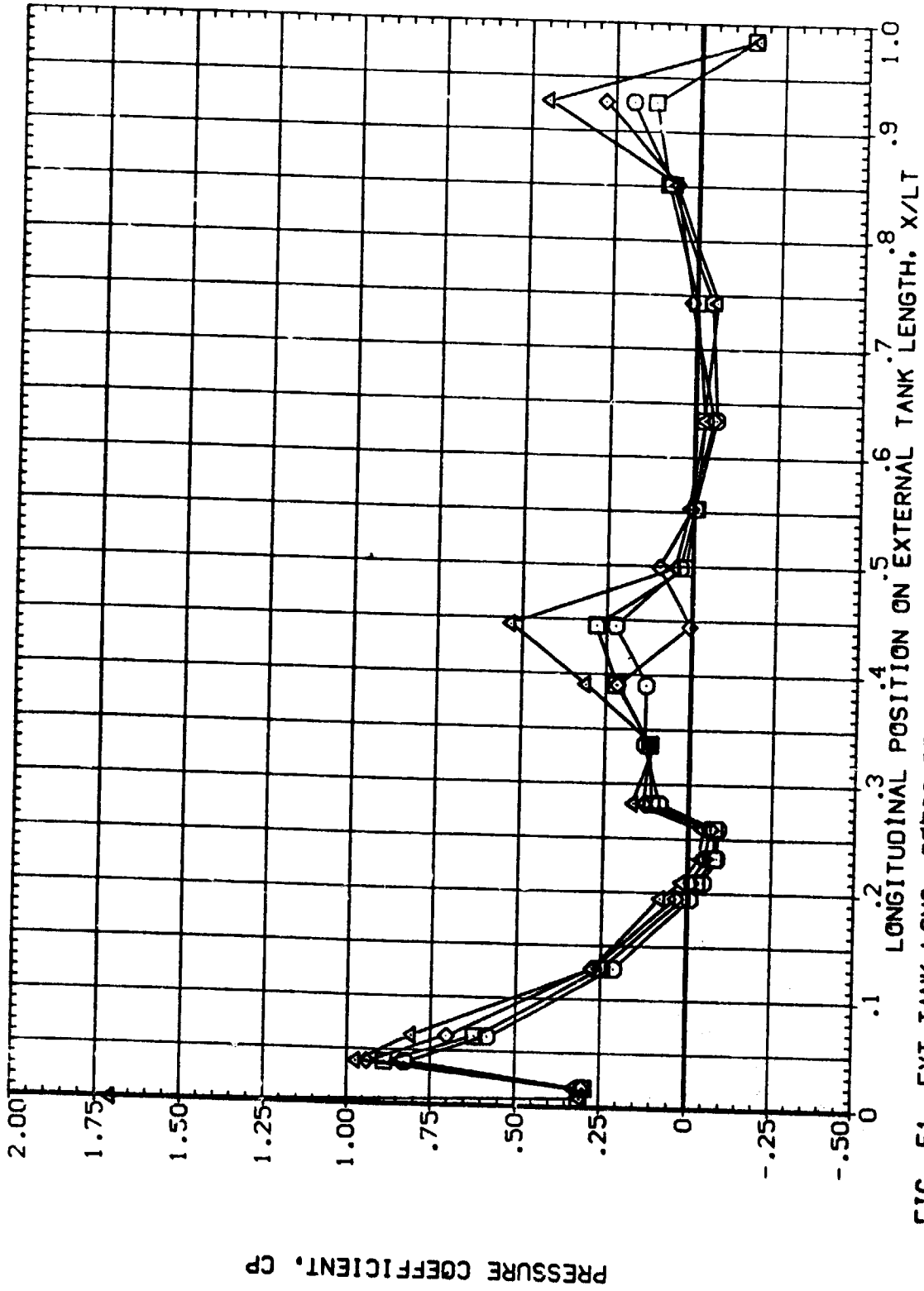


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.000	-6.000	.000	2.200	RN/FT		2.500
□	30.000			.000	ELV-08		.000
◇	60.000			.000	SPDBRK		.000
△	90.000						
▽	120.000						

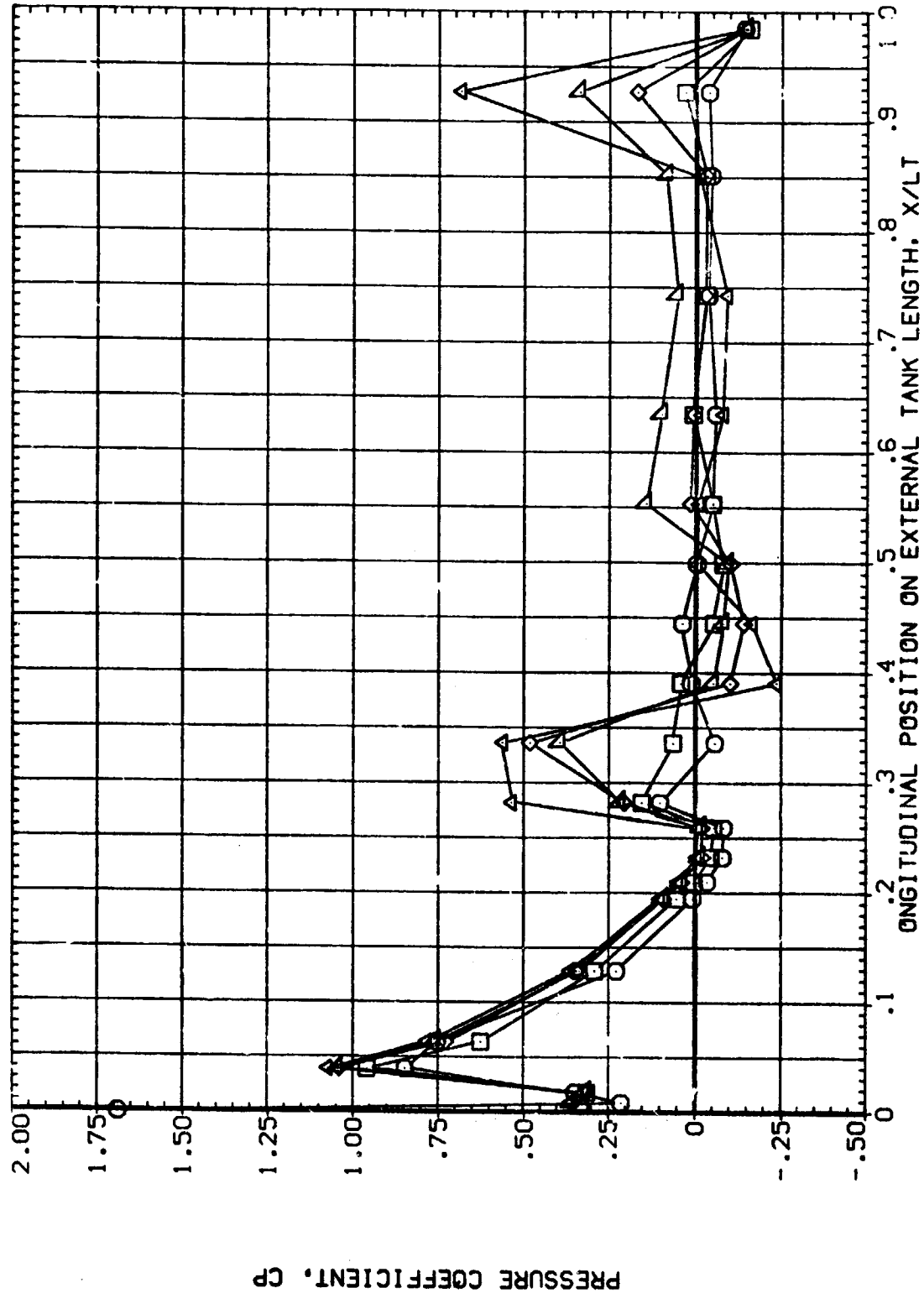


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000
 ◇ :47.000
 △ :60.000

BETAT -6.000
 ALPHAT .000

MACH 2.200
 ELV-1B .000
 RUDDER .000
 PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPOBRK .000

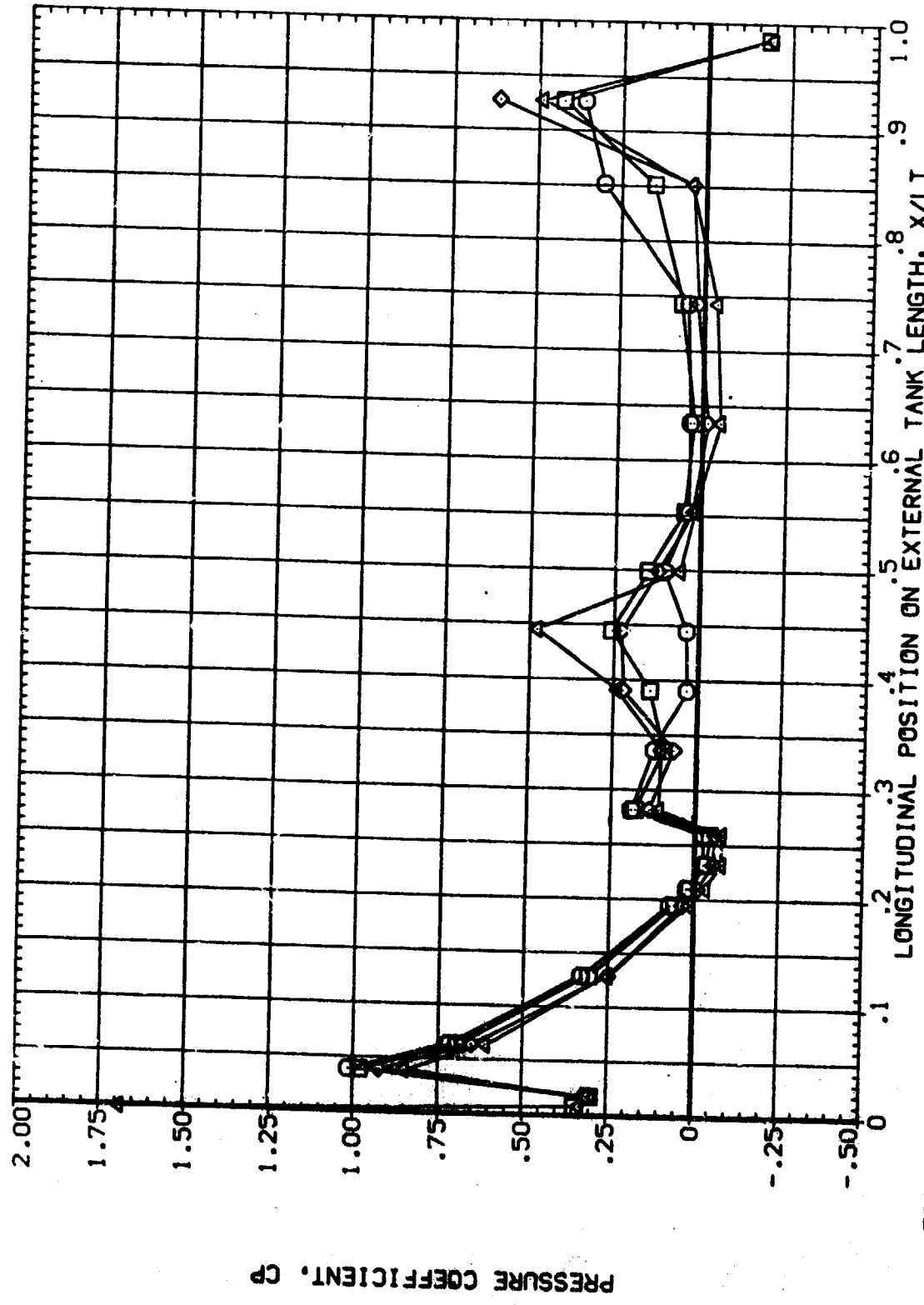


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	-4.000	.000	ELV-18	2.200
□	30.000			ELV-08	2.500
◇	60.000			RUDDER	.000
△	90.000			SPDBRK	.000
▽	.20.000				

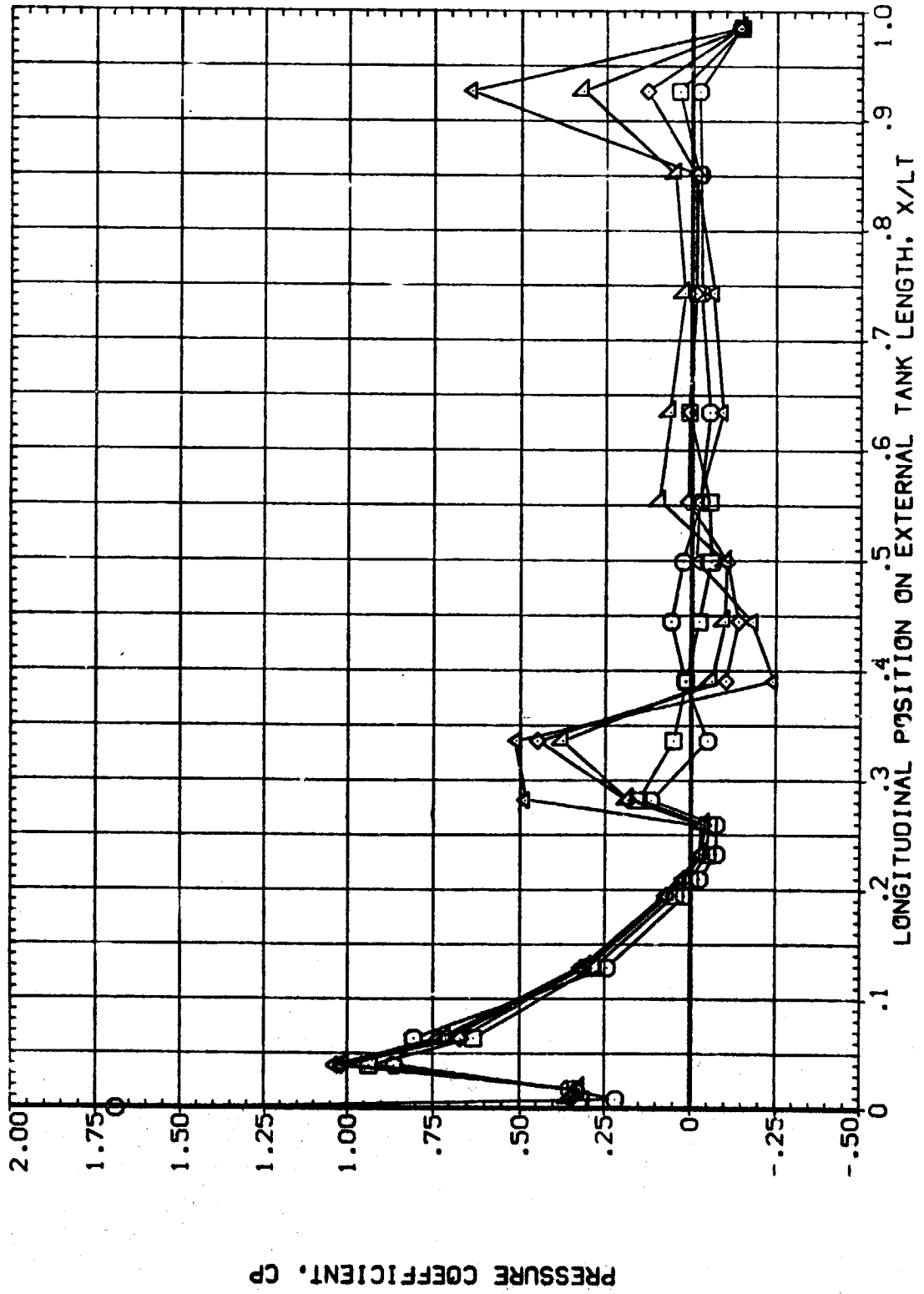


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
□	135.000	-4.000	.000	ELV-18	2.200 RN/FT
◇	147.000			RUDDER	.000 ELV-08
△	162.000				.000 SPOBRK
	180.000				

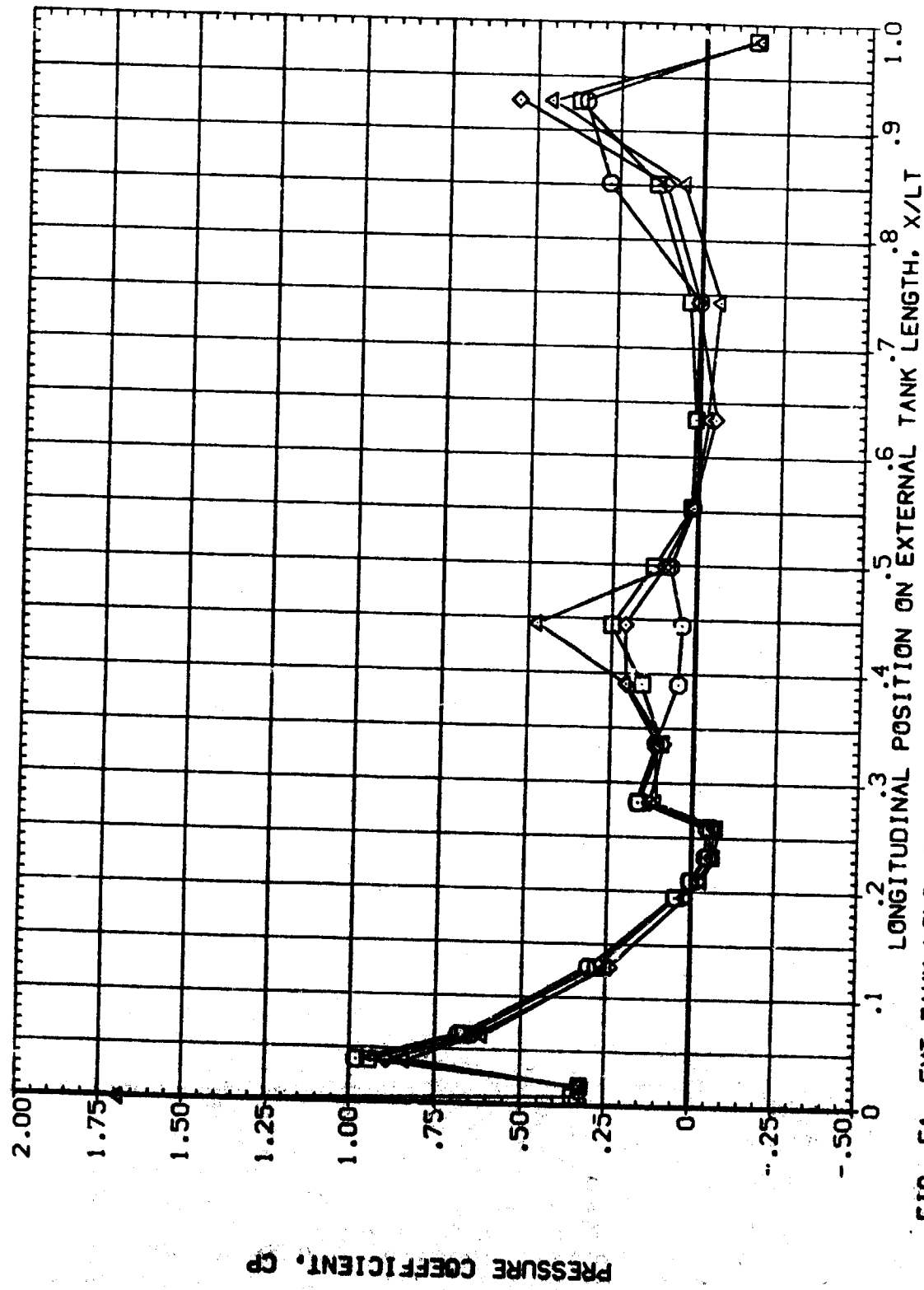


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
○	□	.000	.000	.000	MACH	2.200	RN/FT	2.500
◇	△	30.000			ELV-IB	.000	ELV-OB	.000
		60.000			RUDDER	.000	SPOBRK	.000
		90.000						
		120.000						

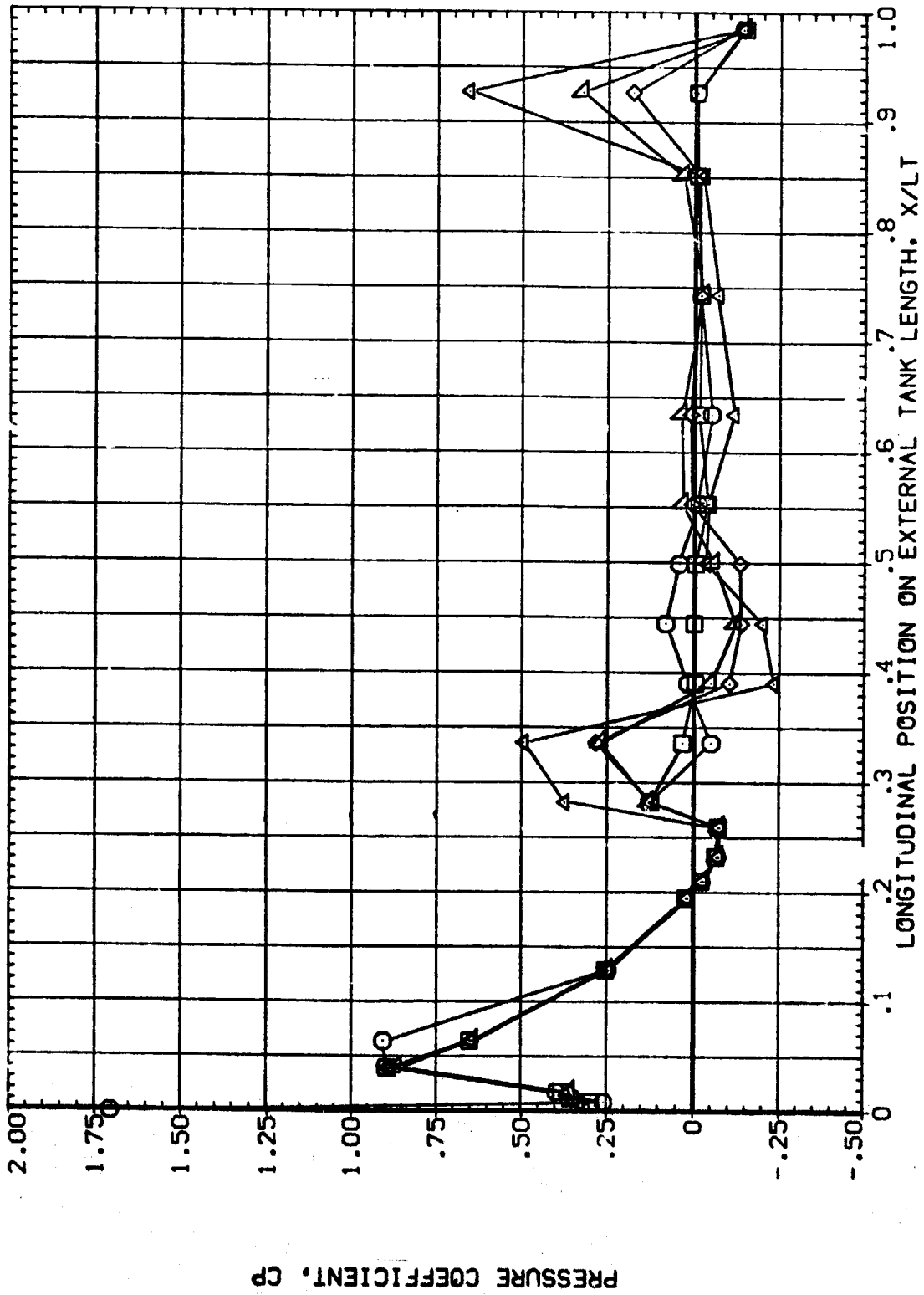


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAPCALLHL SEALEDJ EXTERNAL TANK (JETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:75.000	.000	.000	ELV-1B	2.200 RN/FT
□	147.000			RUDDER	.000 ELV-08
△	162.000				.000 SPDBRK
◇	180.000				.000

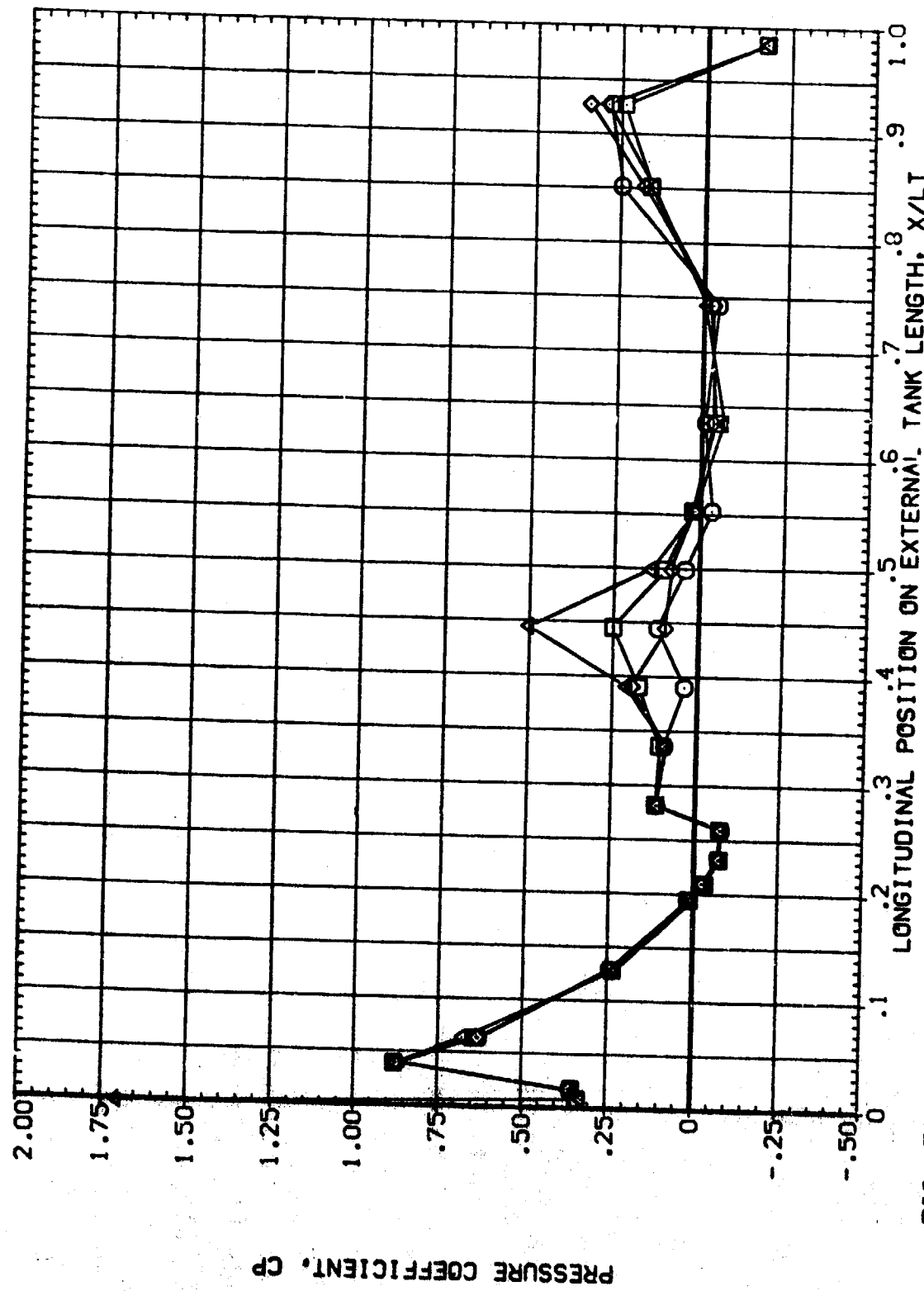


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

PHI .000 ALPHAT .000
 BETAT 4.000

SYMBOL
 30.000
 60.000
 90.000
 120.000

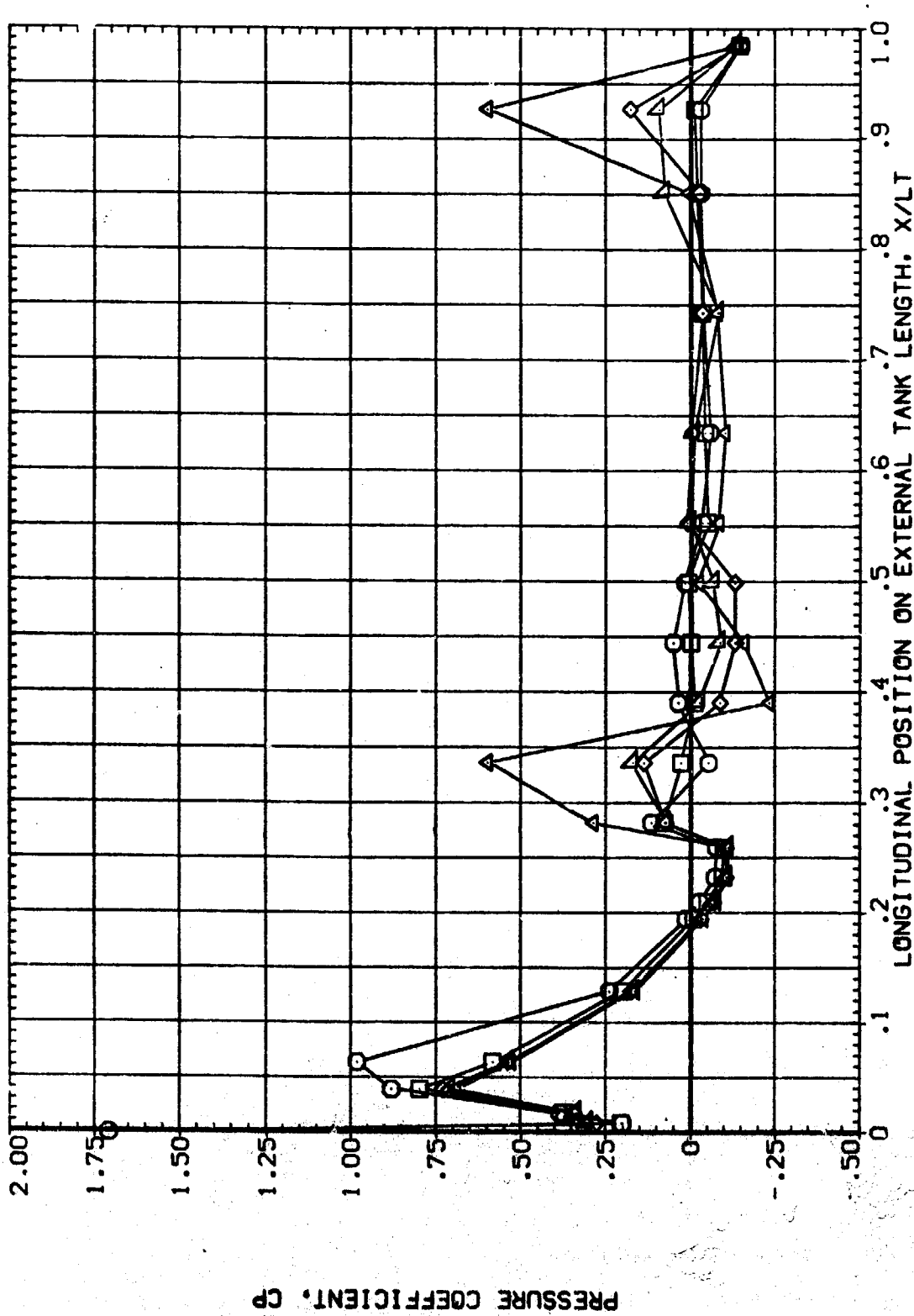


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 4.000 .000
 □ :47.000
 ◇ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

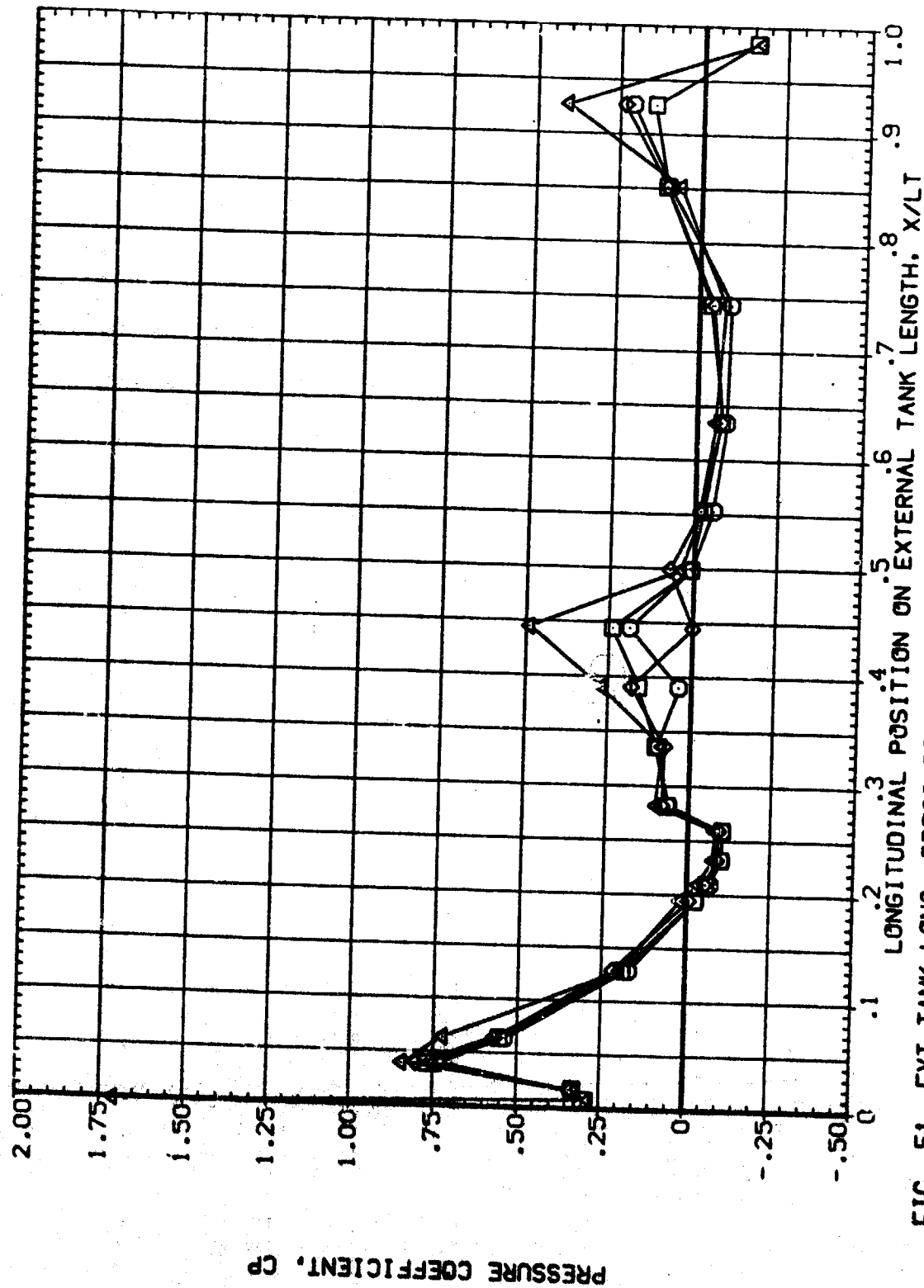


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
.000	6.000	.000	ELV-IB	2.200
30.000			RUDDER	.000
60.000				RN/FT
90.000				ELV-08
.20.000				SPDBRK
				2.500
				.000
				.000

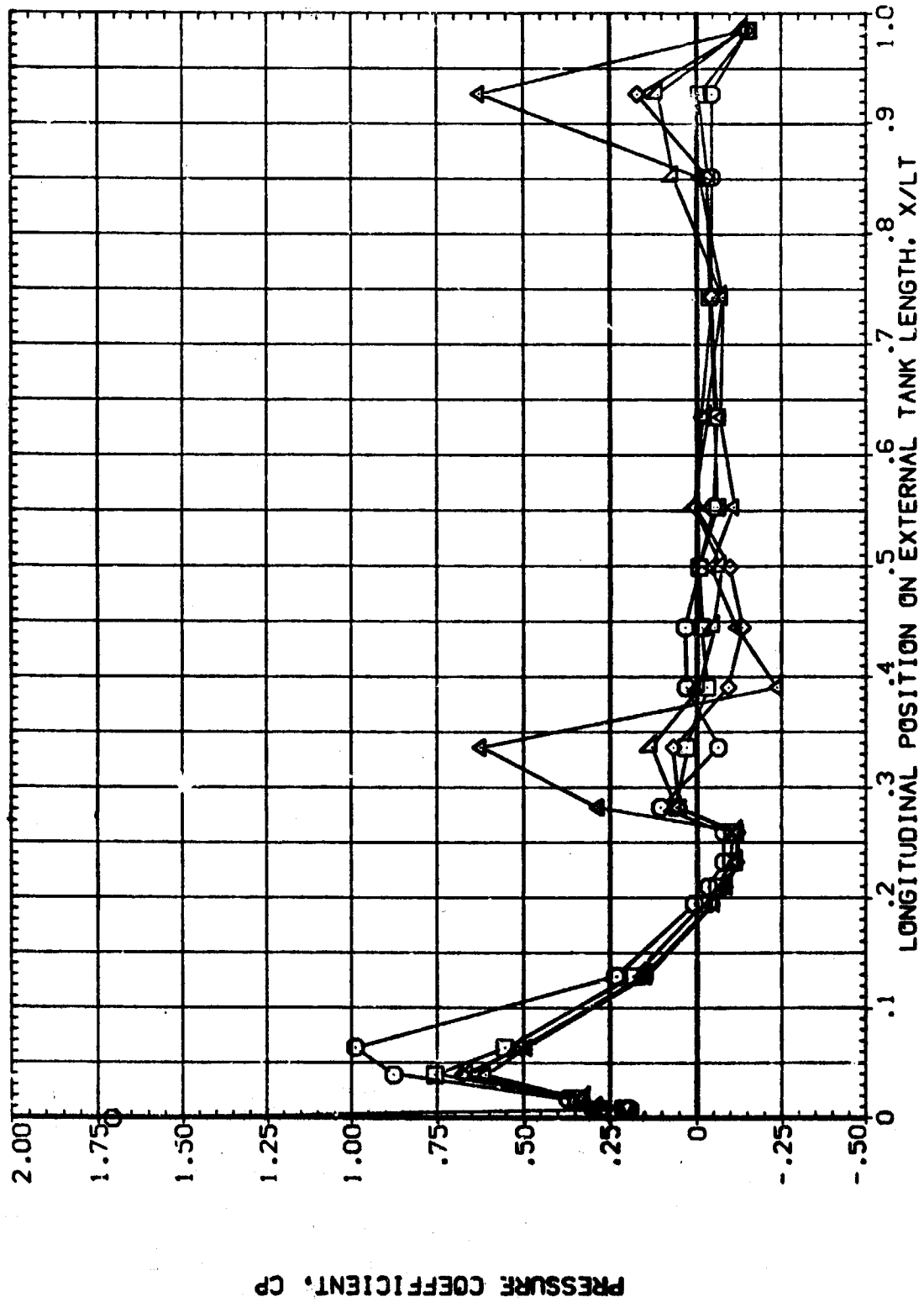


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL		PHI	DEIAT	ALPHAT	PARAMETRIC VALUES			
◇	□	:35.000	5.000	.000	MACH	2.200	RN/FT	2.500
◇	□	:47.000			ELV-IB	.000	ELV-OB	.000
◇	□	:60.000			RUDDER	.000	SPOBRK	.000

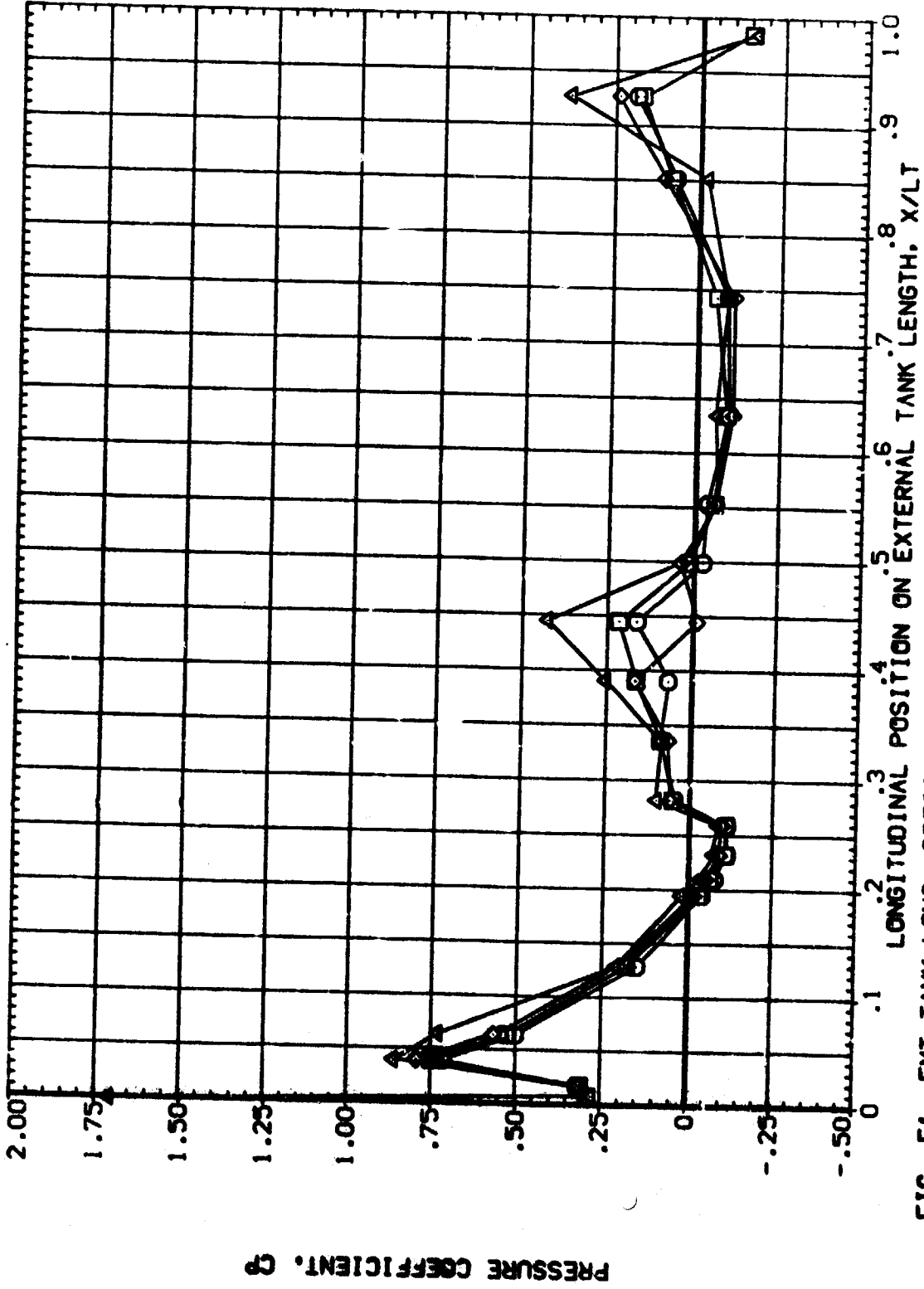


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	2.200	RN/FT 2.500
□	30.000			.000	ELV-08 .000
◇	60.000			.000	SPDBRK .000
△	90.000			.000	SPDBRK .000

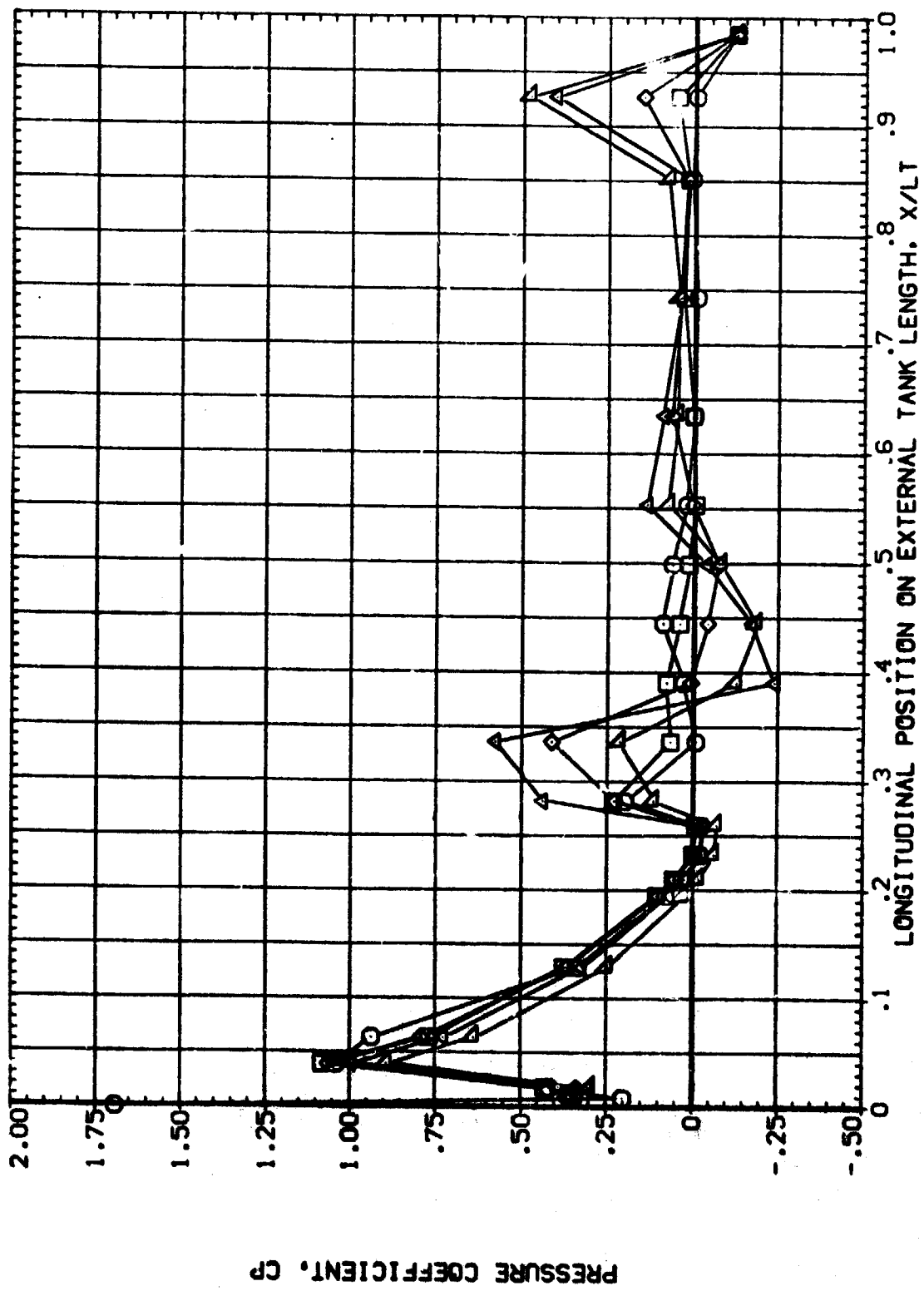


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL PHE BETAT ALPHAT
 ◊ 135.000
 □ 147.000
 ○ 162.000
 △ 180.000

MACH ELV-18 RUDDER
 2.200 .000 .000
 2.500 .000 .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

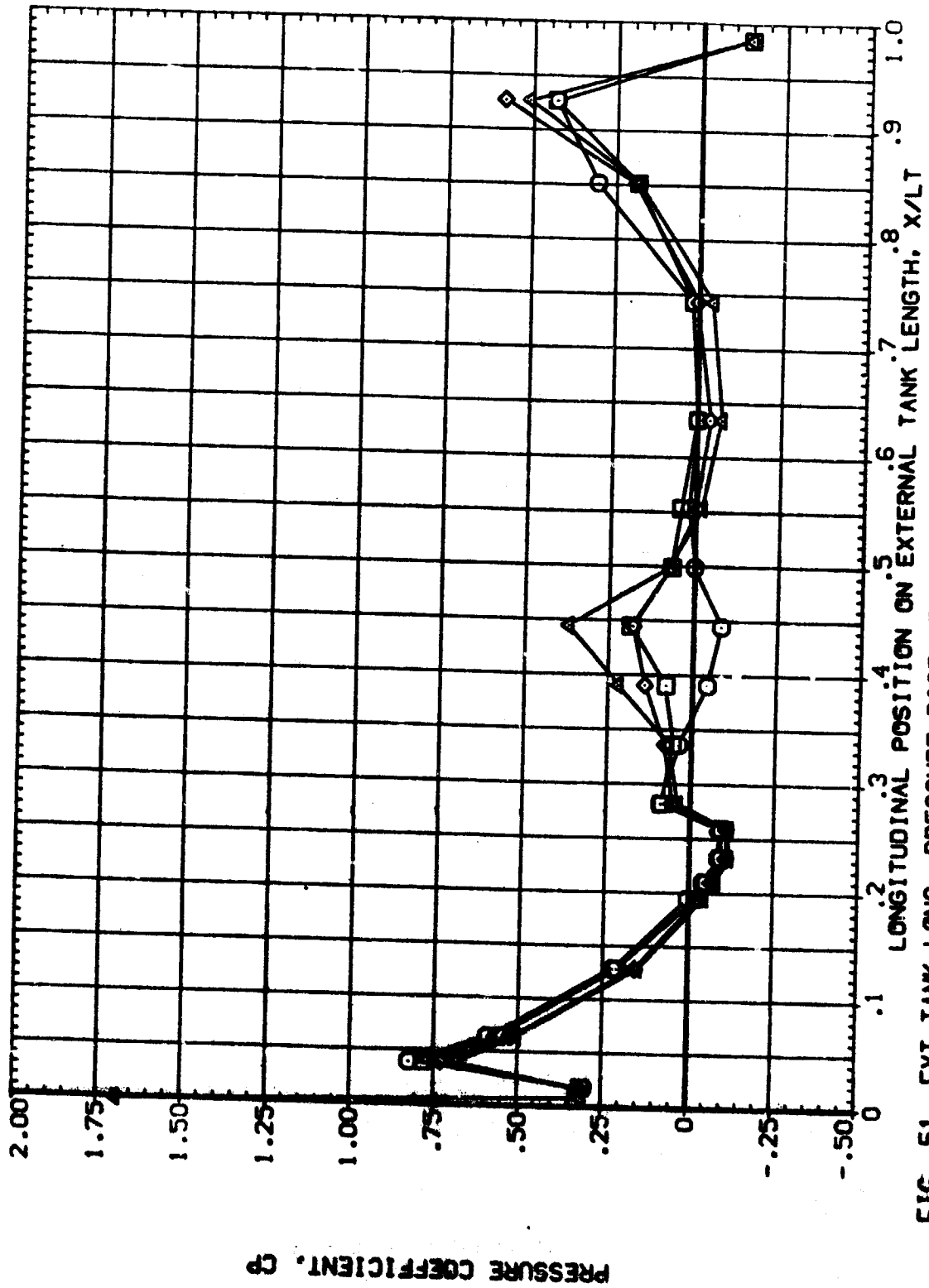


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
▽	.000	.000	4.000	2.200	RN/FT 2.500
◇	30.000			.000	ELV-08 .000
□	60.000			.000	SPOBRK .000
△	90.000				
○	.20.000				

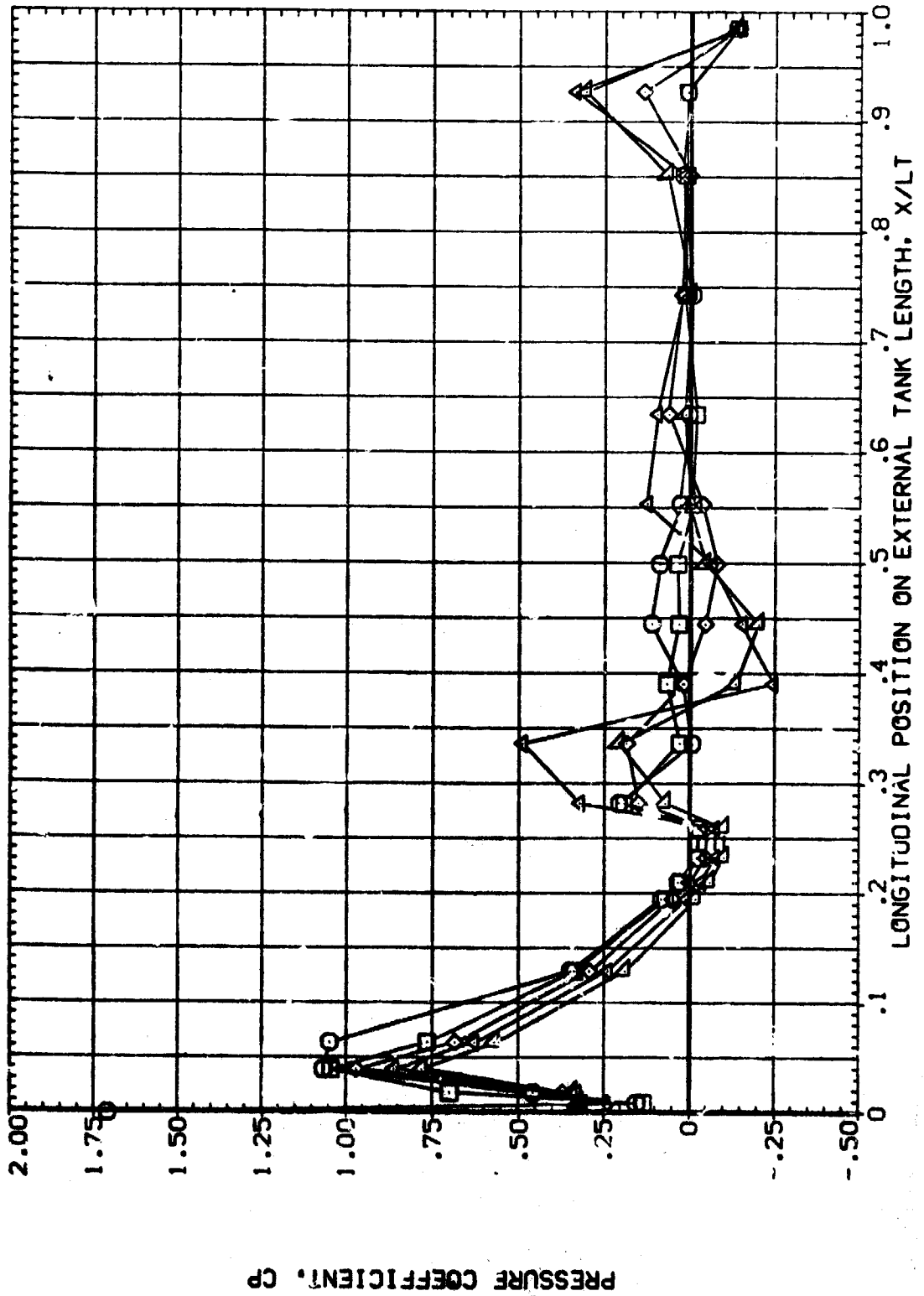


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT4!)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	.000	4.000	ELV-18	2.200 RN/FT
□	:47.000			RUDDER	.000 ELV-08
◇	:62.000				.000 SPDBRK
△	:80.000				.000

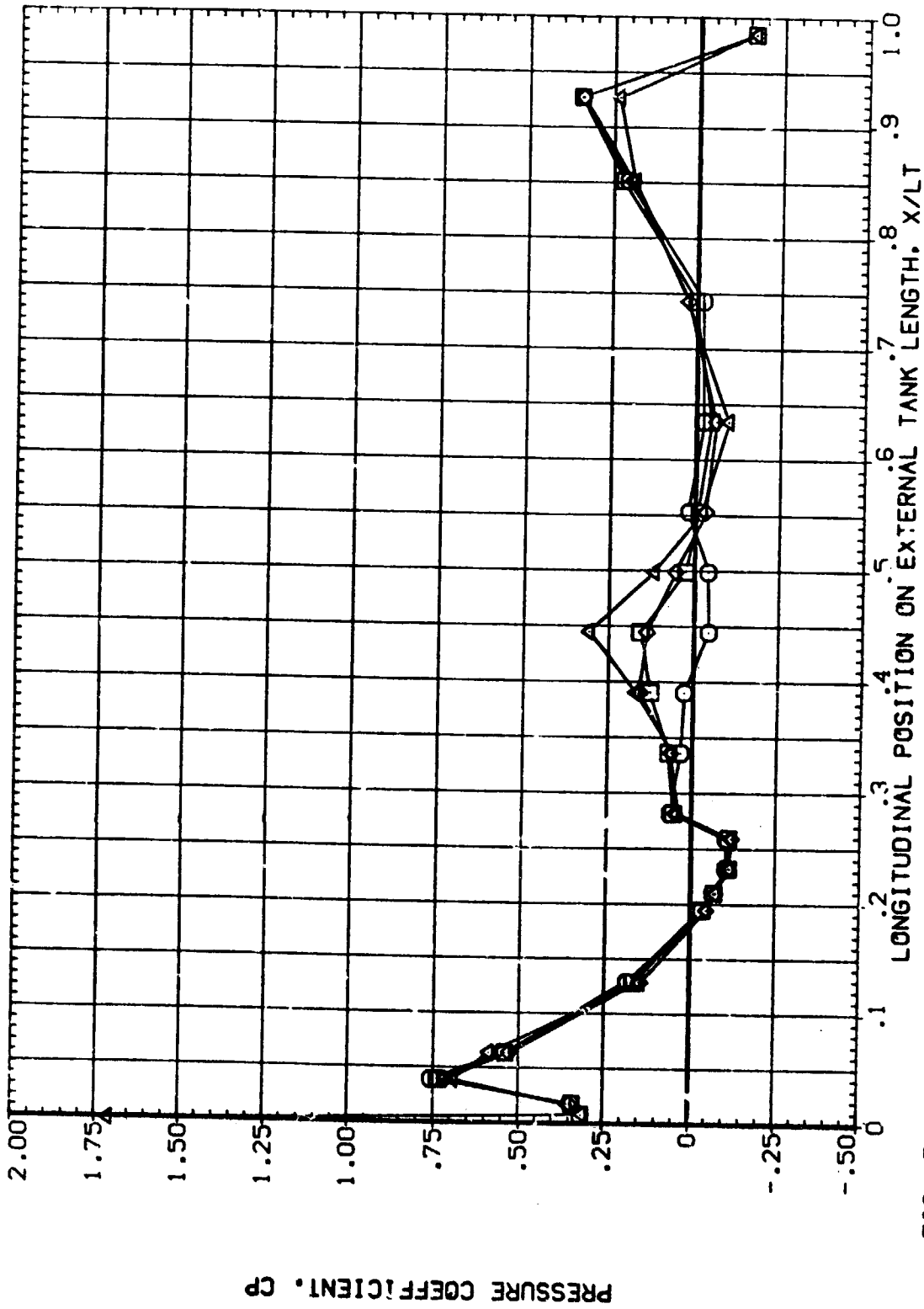


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-1B	2.000 RN/FT
□	30.000			RUDDER	.000 ELV-08
◇	60.000				.000 SPOBRK
△	90.000				.000
▽	120.000				

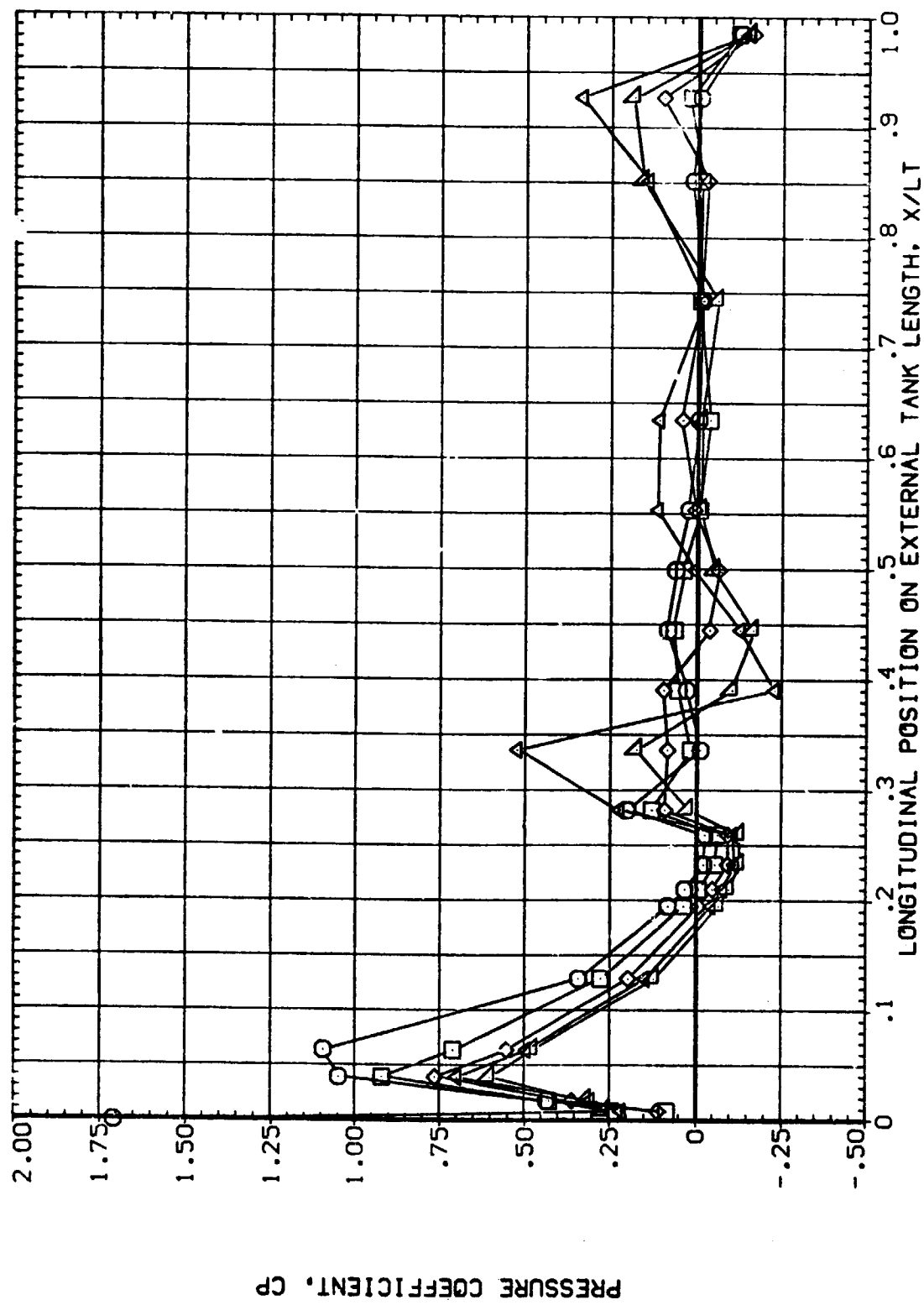


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
□	:35.000	4.000	4.000	ELV-18	2.200 RN/FT
◇	:47.000			RUDDER	.000 ELV-08
△	:80.000				.000 SPOBRK
					2.500
					.000
					.000

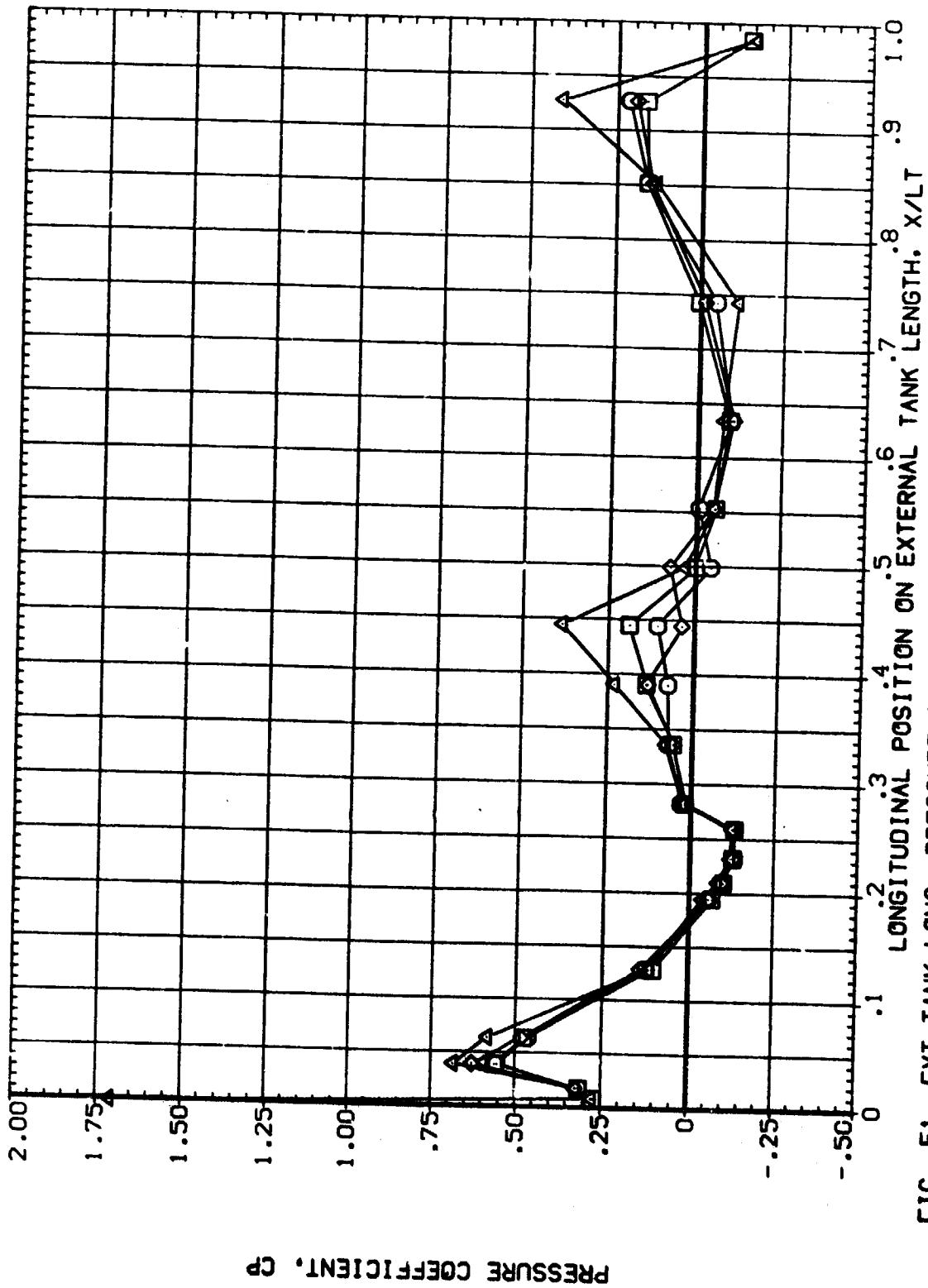


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVEN I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL:	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	.000	6.000	ELV-1B	2.200
□	30.000	.000		RUDDER	.000
◇	60.000			ELV-08	2.500
△	90.000			SPDBRK	.000
▽	120.000				

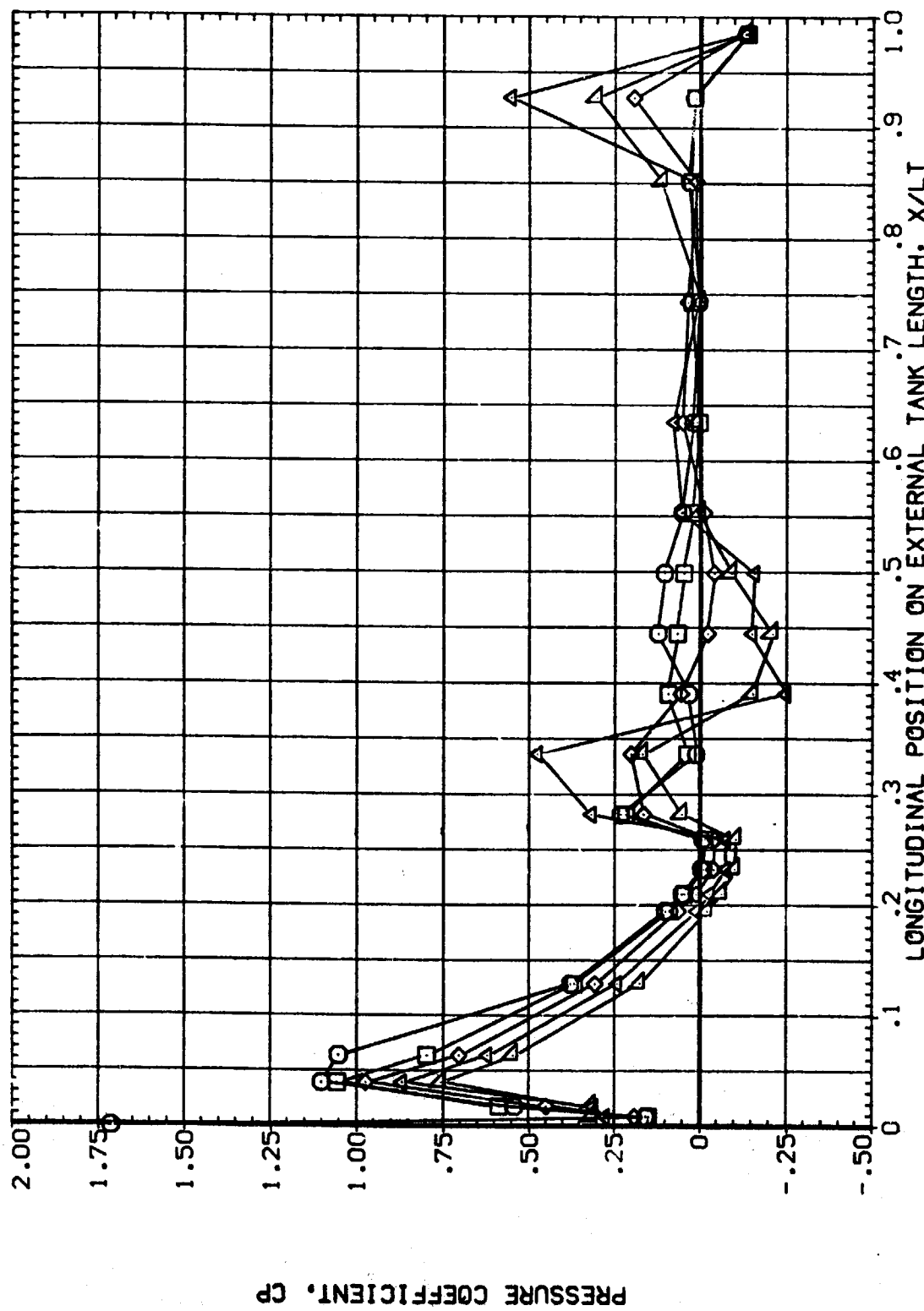


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT41)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	.000	6.000	ELV-18	2.200
□	:47.000			RUDDER	.000
◇	:62.000			ELV-08	2.500
△	:80.000			SPOBRK	.000

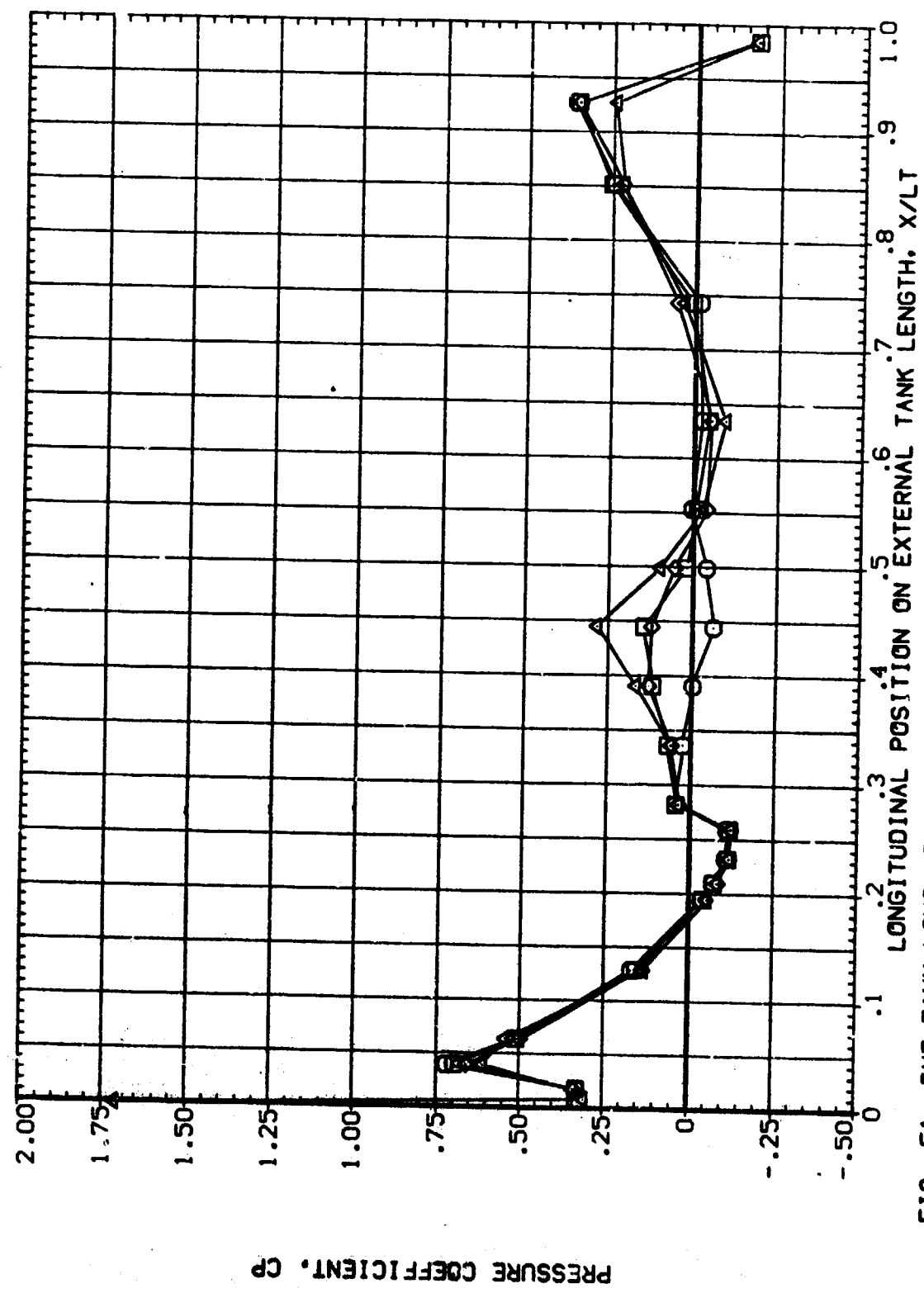


FIG. 51 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL		PHI		BETAT		ALPHAT		PARAMETRIC VALUES			
▽	◇	.000	.000	.000	.000	-6.000		MACH	2.500	RN/FT	2.500
◇	◇	30.000	60.000					ELV-08	.000	ELV-08	.000
◇	◇	90.000	20.000					RUDDER	.000	SPDBRK	.000

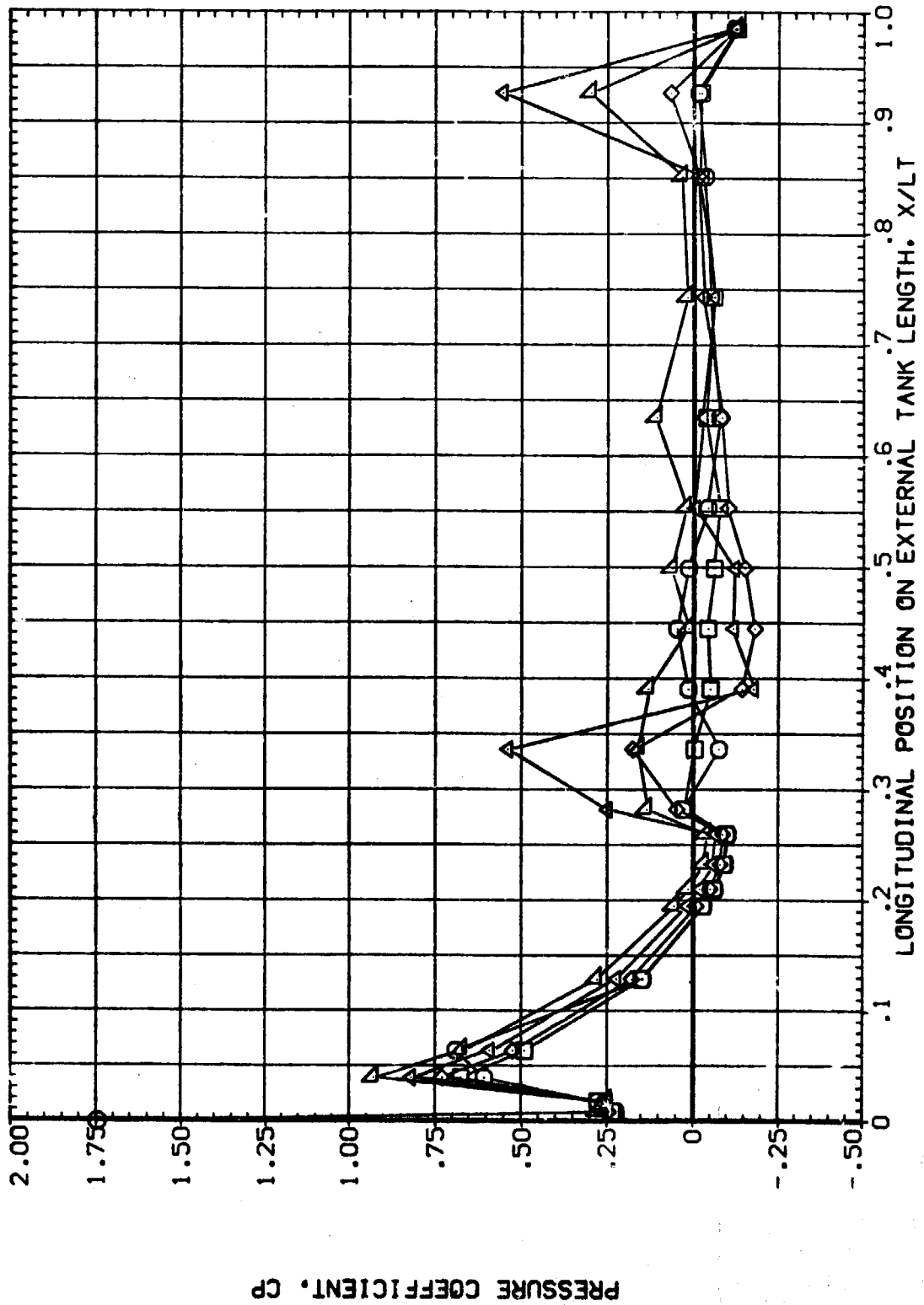


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
◇	135.000	.000	-6.000	2.500	RN/FT	2.500	
□	147.000	.000		.000	ELV-08	.000	
△	162.000	.000		.000	SPDBRK	.000	
▽	80.000						

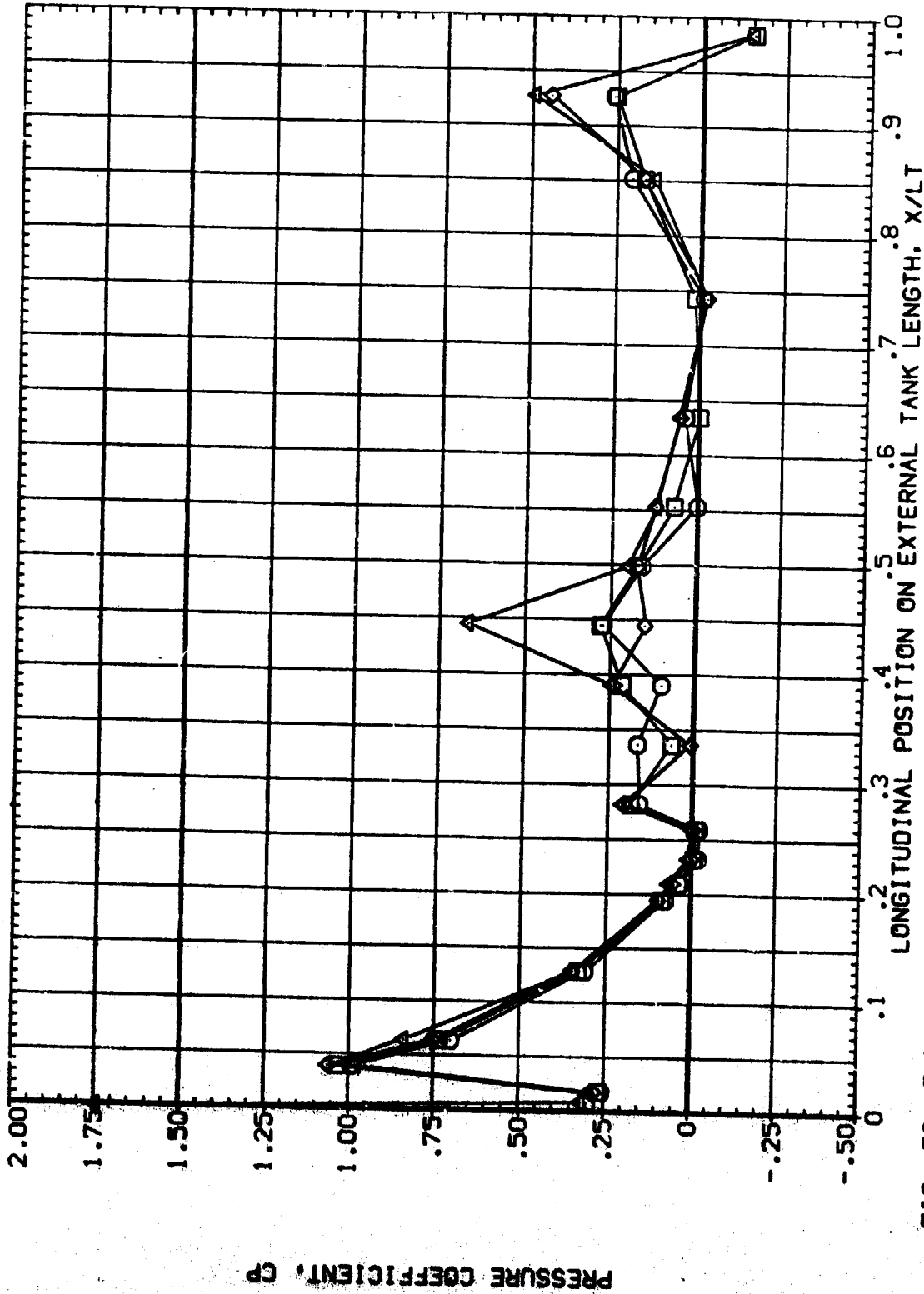


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
.000	-4.000	-4.000	ELV-18	2.500
30.000			RUDDER	RN/FT
60.000				.000
90.000				ELV-08
120.000				SPDBRK
				.000

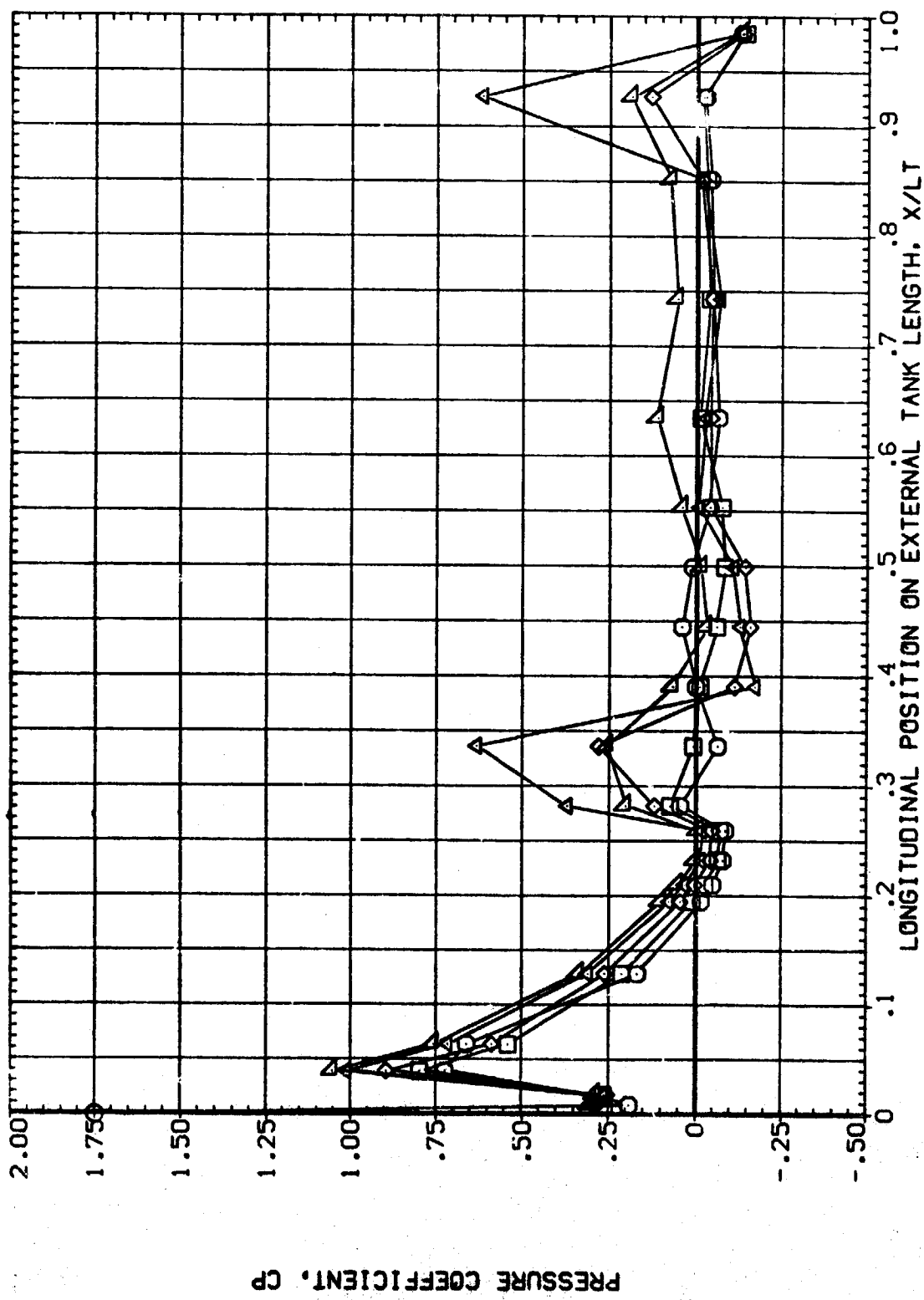


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	:35.000	-4.000	-4.000	2.500	RN/FT		2.500
□	:147.000			.000	ELV-08		.000
◇	:162.000			.000	SPDBRK		.000
△	:60.000						

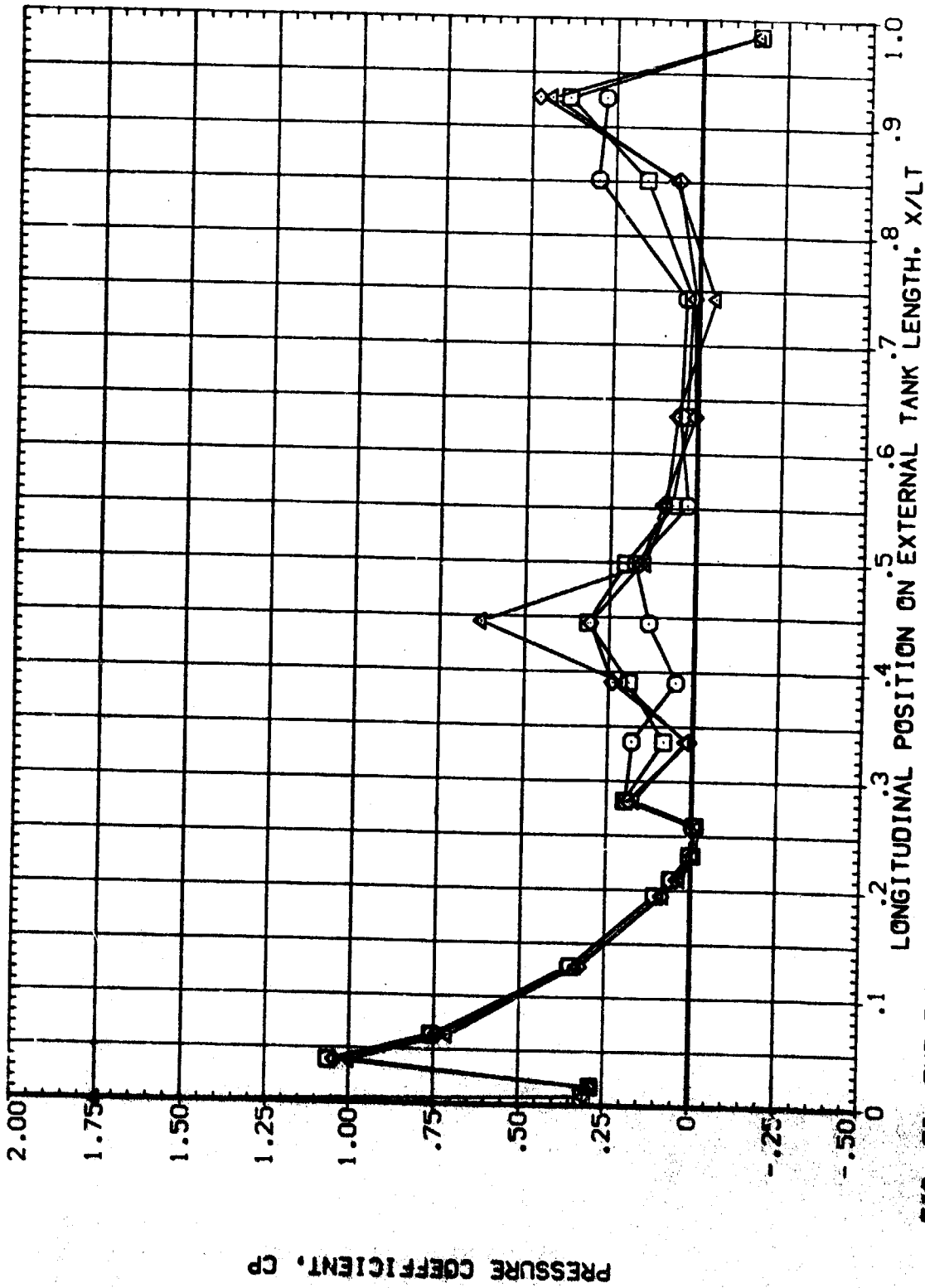


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.000	.000	-4.000	ELV-1B	2.500 RN/FT
□	30.000			RUDDER	.000 ELV-08
◇	60.000				.000 SPDBRK
△	90.000				
▽	.20.000				

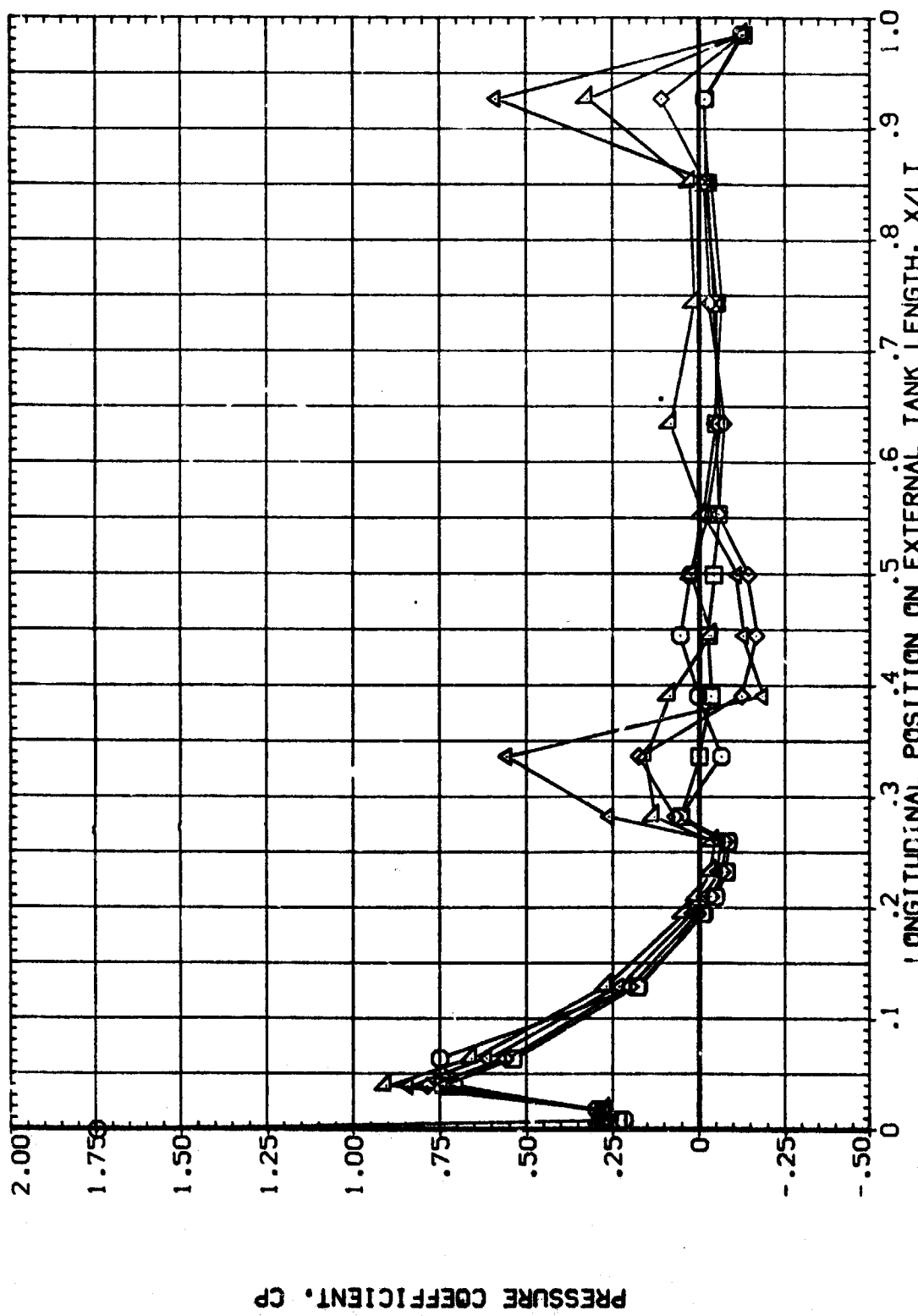


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
◇	:35.000	.000	-4.000	ELV-1B	2.500 RN/FT
□	:47.000			RUDDER	.000 ELV-08
△	:60.000				.000 SPOBRK

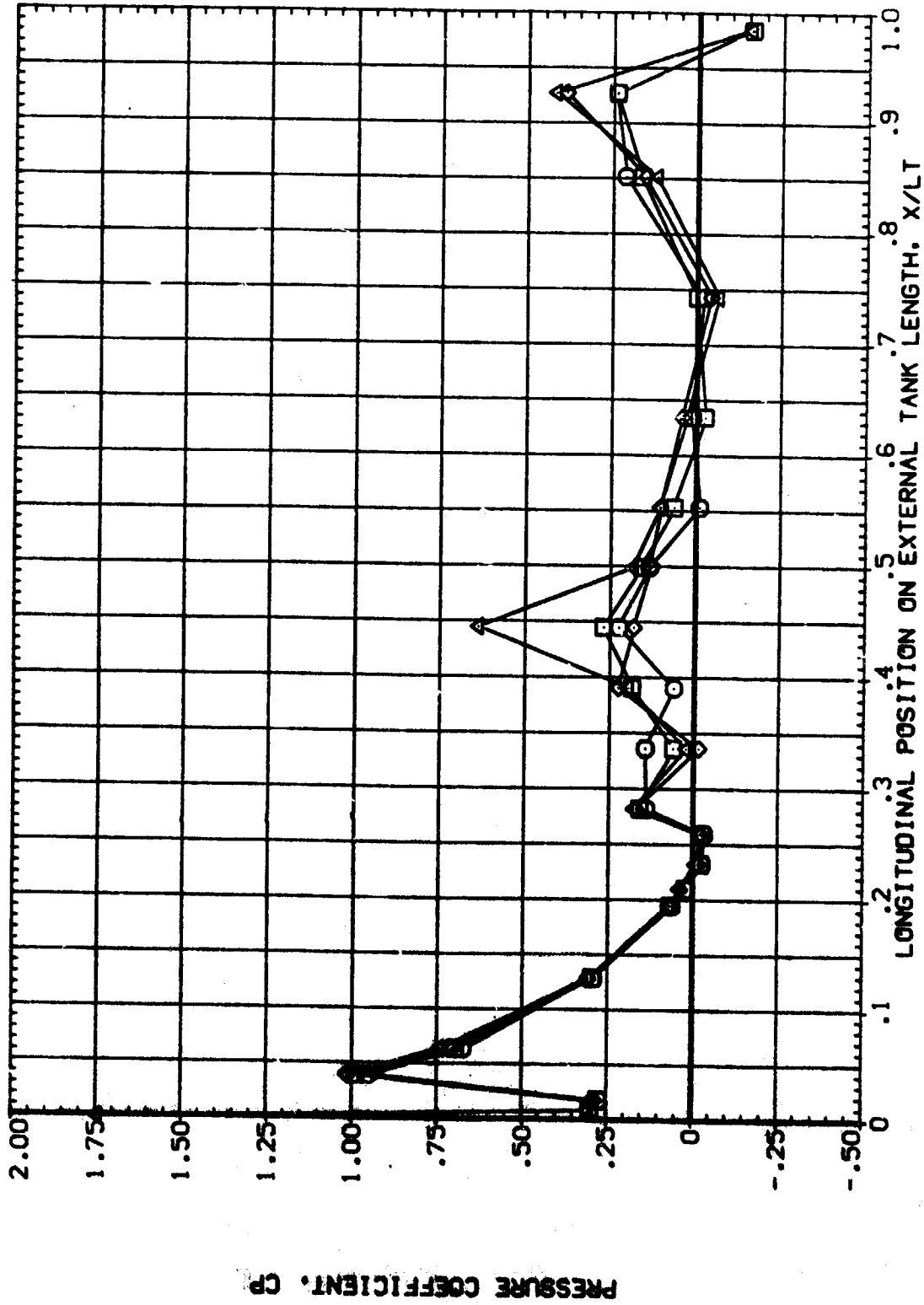


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

PHI	.000	BETAT	4.000	ALPHAT	-4.000	PARAMETRIC VALUES	
30.000						MACH	2.500
60.000						ELV-18	.000
90.000						RUDDER	.000
120.000						ELV-08	.000
						SPDBRK	.000

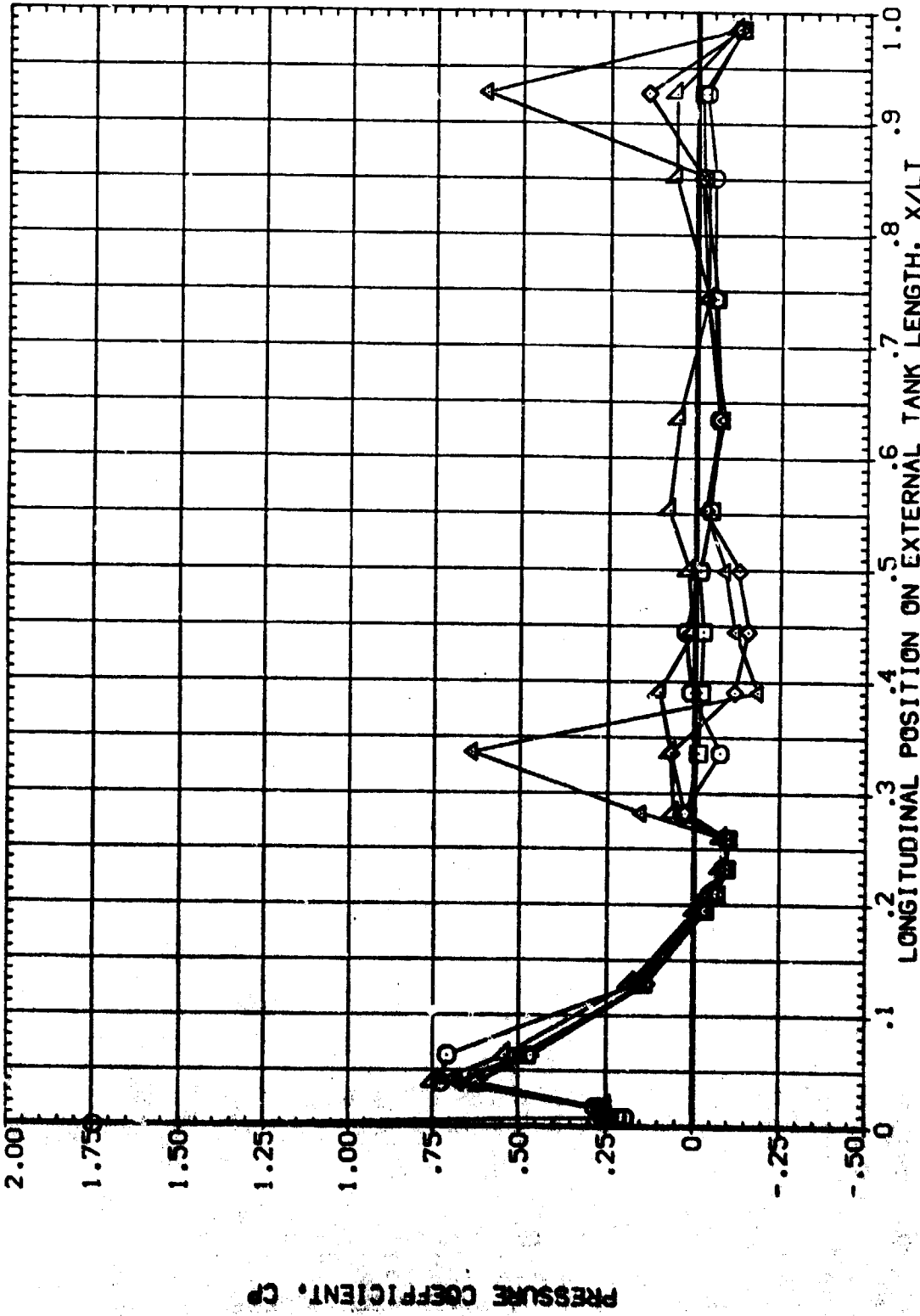


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOLS
 PNE 179.000
 147.000
 102.000
 50.000
 BETAT 4.000
 ALPHAT -4.000

PARAMETRIC VALUES
 MACH 2.500
 ELV-18 .000
 RUDDER .000
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

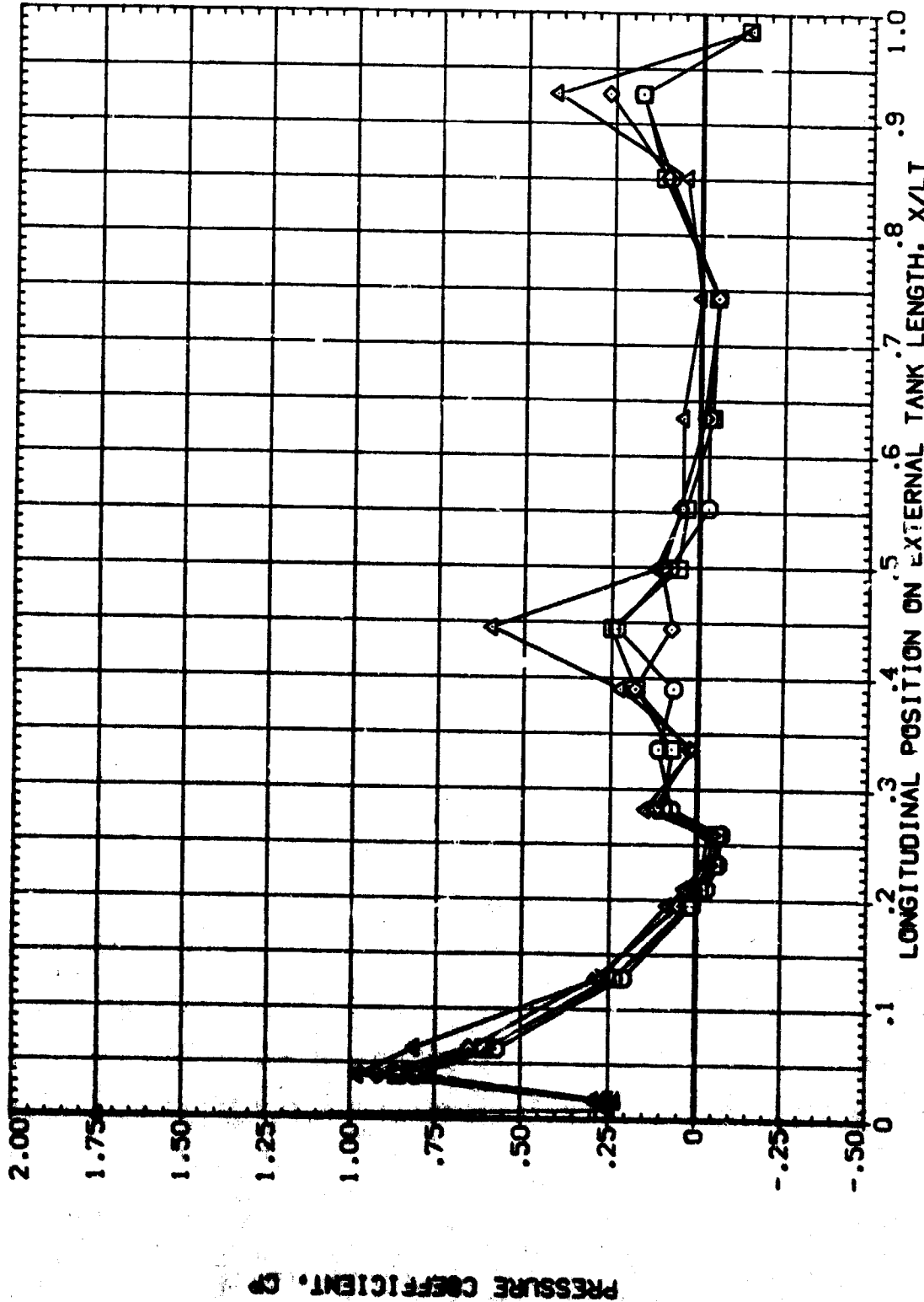


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

PARAMETER	VALUE	PARAMETER	VALUE
PHI	.000	BETAT	-6.000
ALPHAT	.000	MACH	2.500
30.000		ELV-1B	.000
60.000		RUDDER	.000
90.000		SPDBRK	.000
120.000			

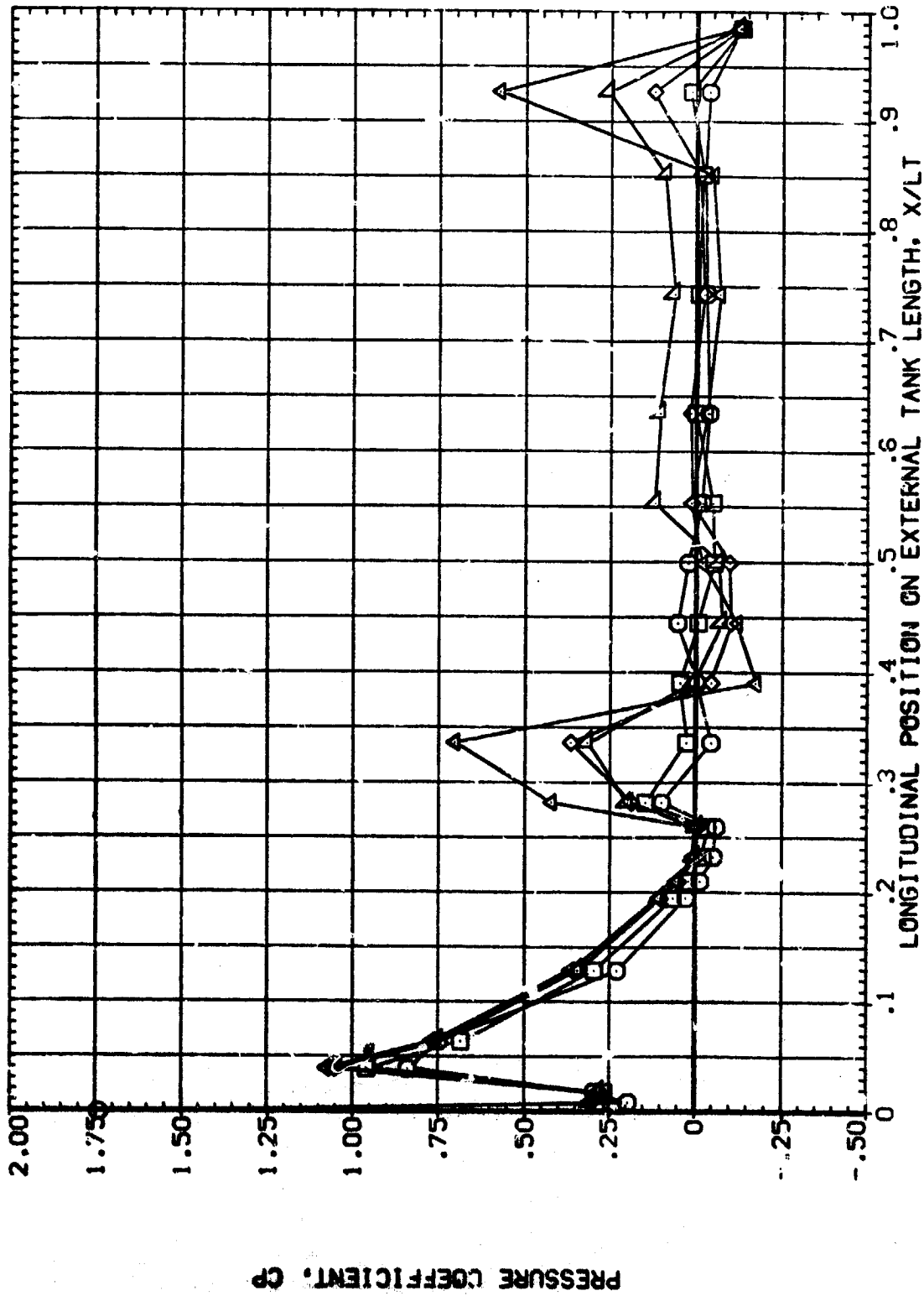


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	DETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	.35.000	-6.000	.000	FLY-18	2.500 RN/FT
□	.47.000			RUDDER	.000 ELV-08
◇	.62.000				.000 SPDBRK
△	.80.000				.000

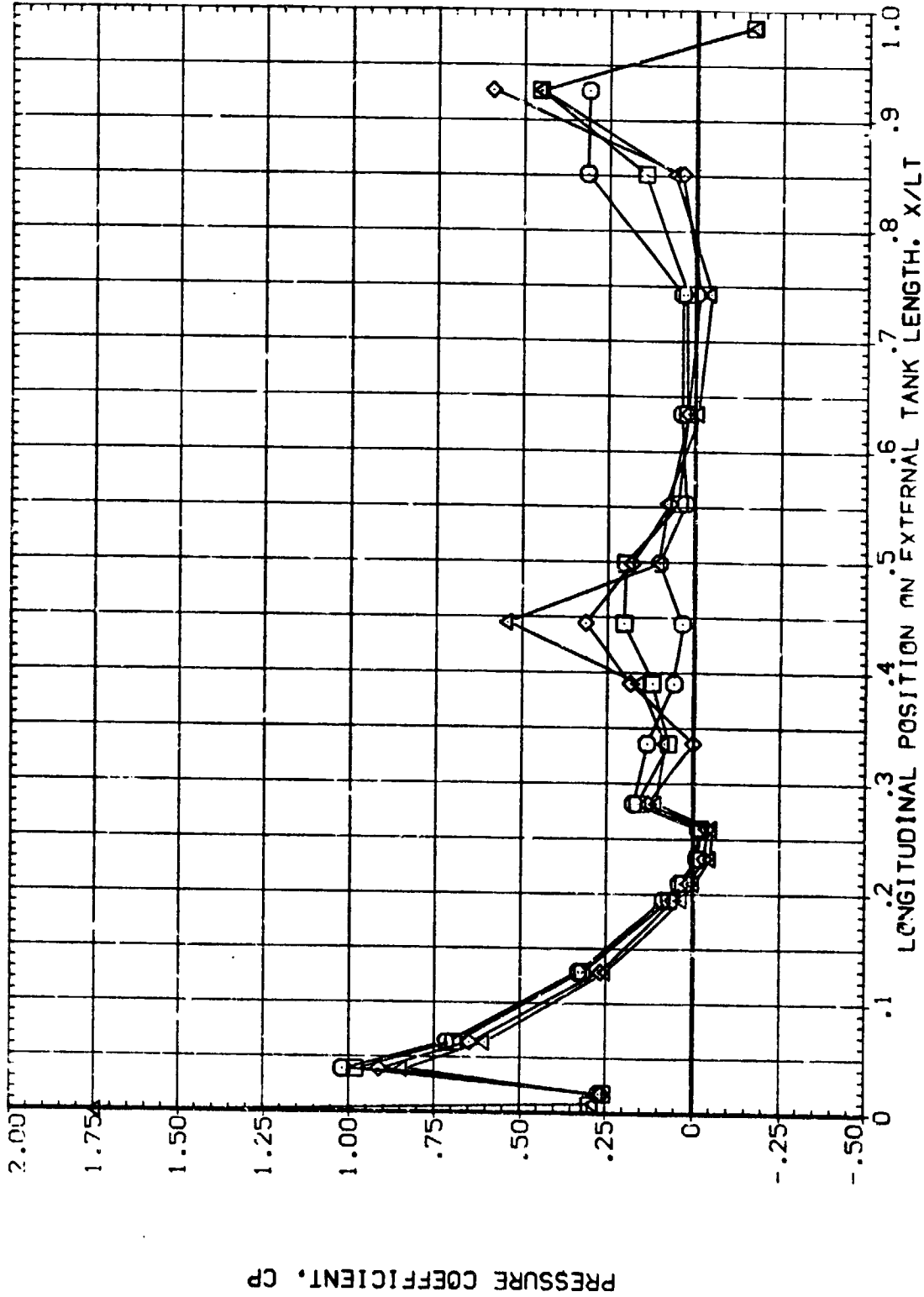


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAF(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
□	.000	-4.000	.000	2.500	RN/FT		2.500
◇	30.000			.000	ELV-08		.000
△	60.000			.000	SPDBRK		.000
▽	90.000						
▽	120.000						

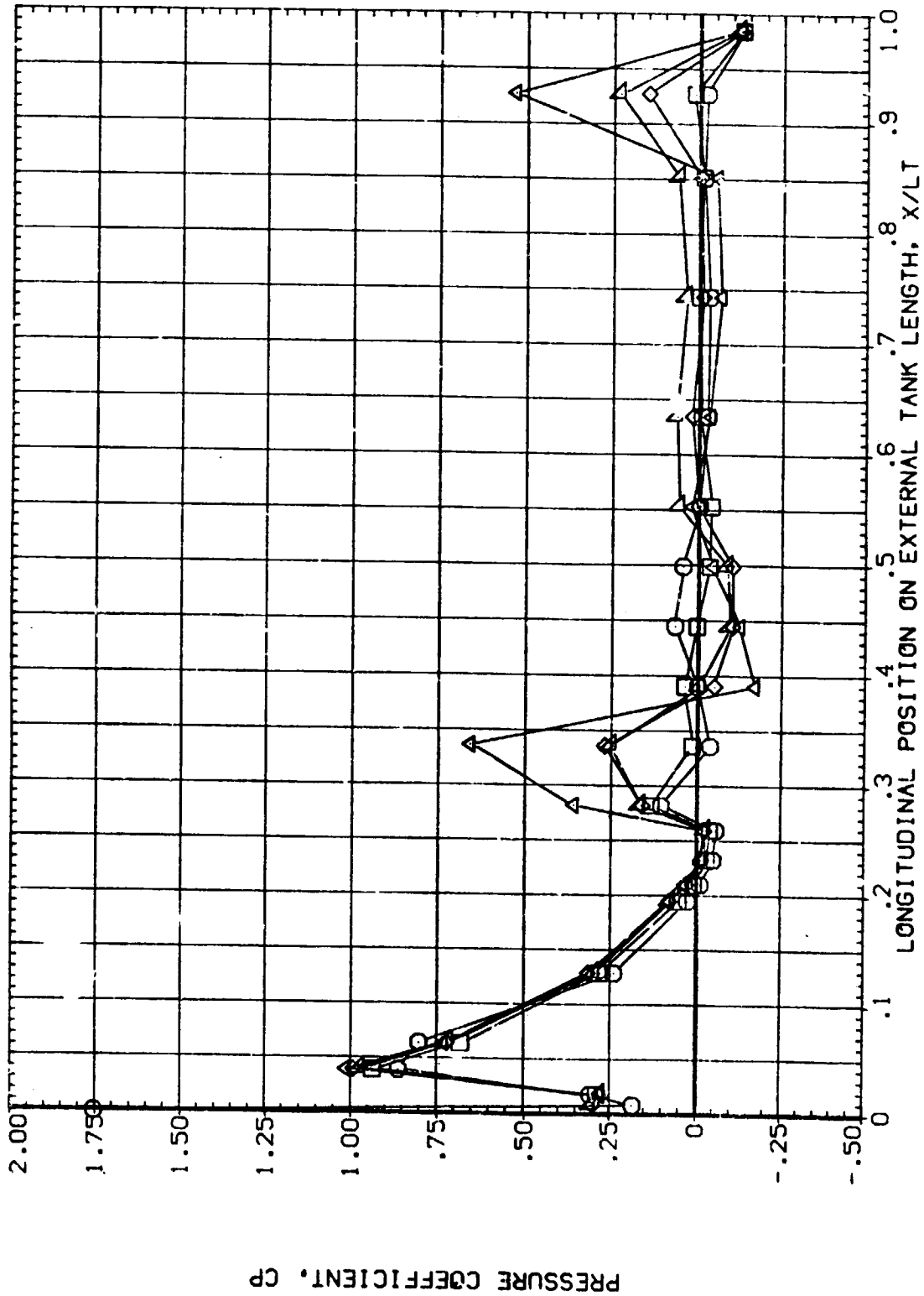


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 -4.000 .000
 □ :47.000
 ◇ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

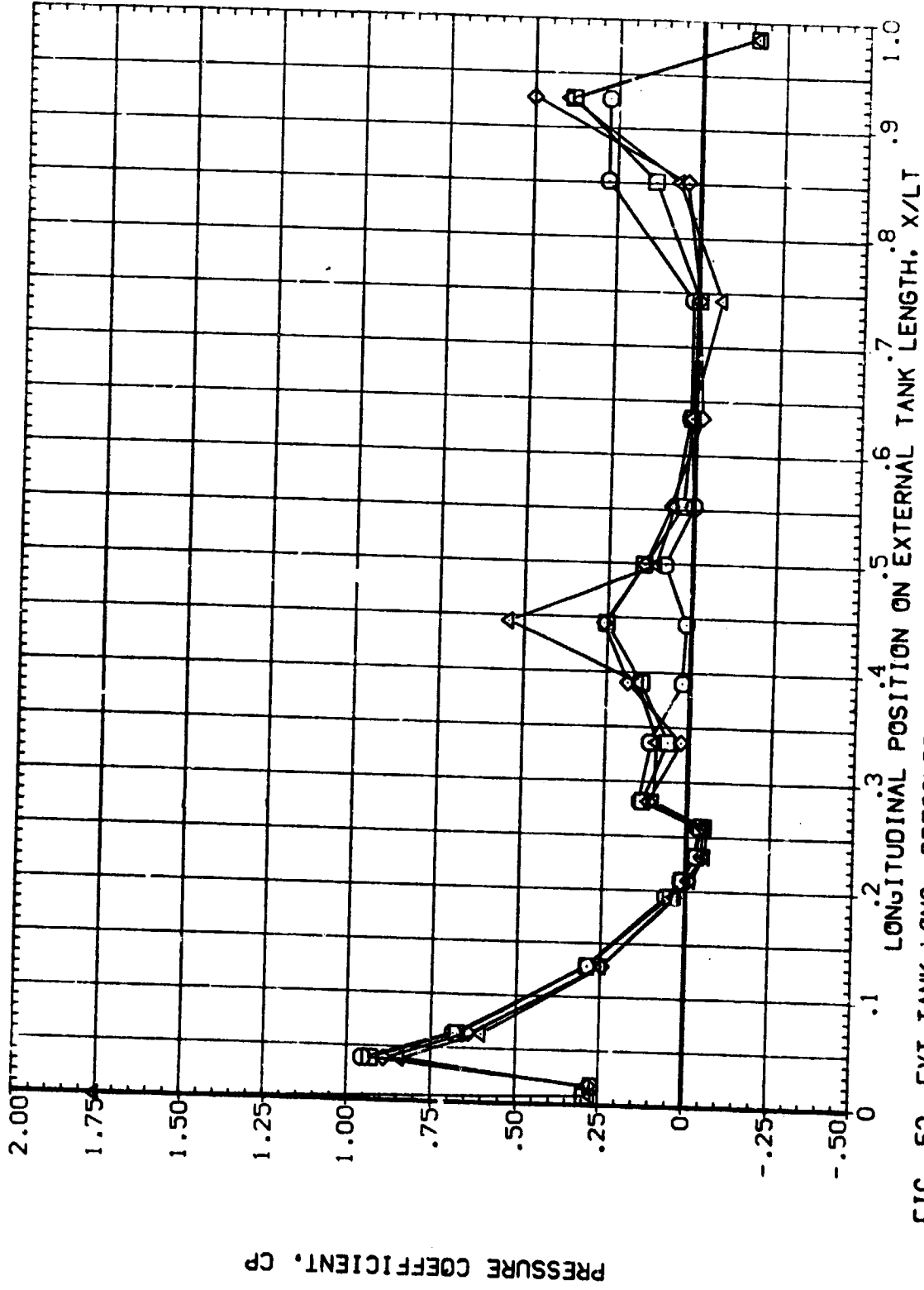


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK. = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
○	.000	.000	.000	2.500	.000	.000	2.500	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	.20.000									

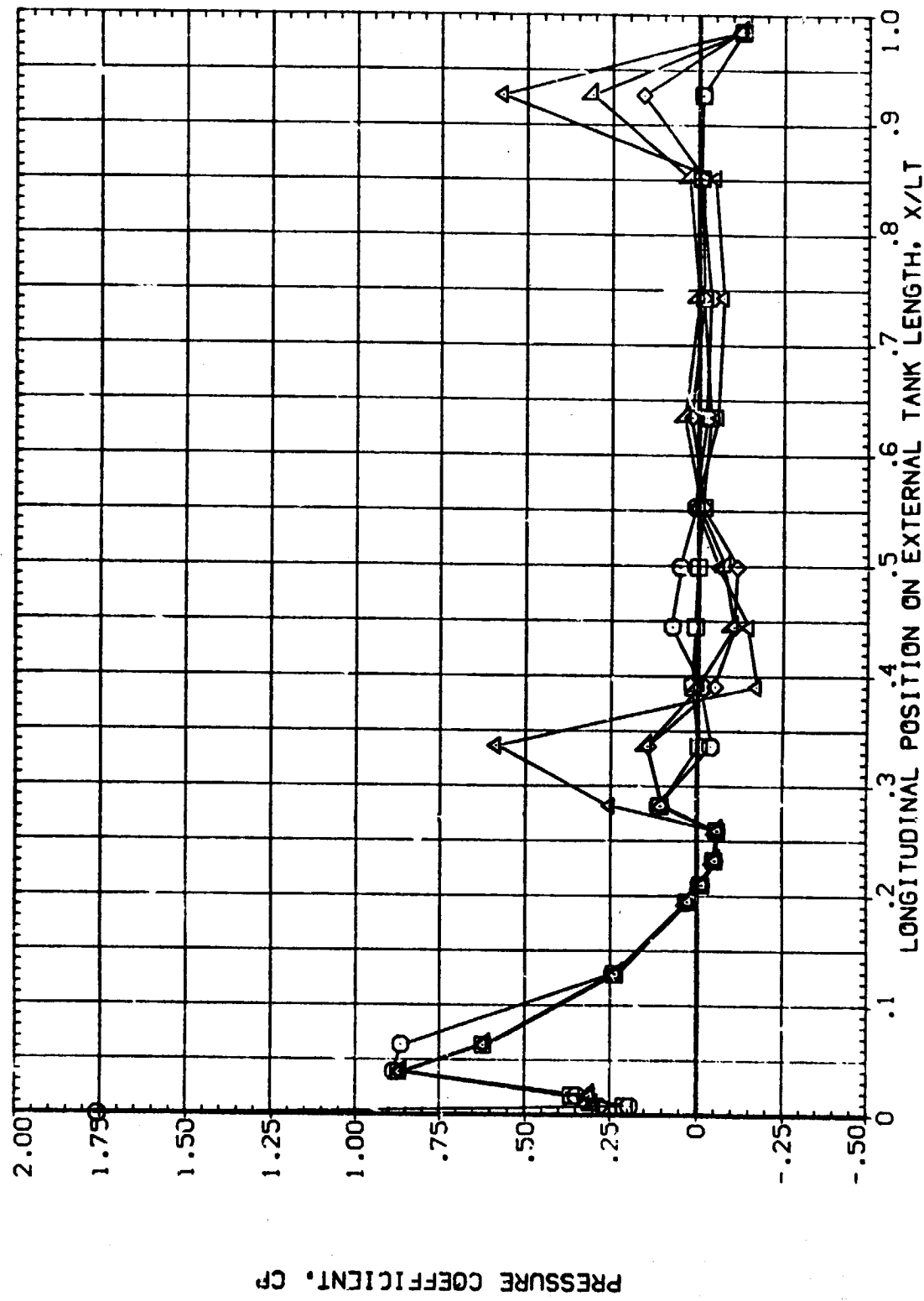


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT42)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 .000 .000
 □ :47.000
 ◇ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.500
 ELV-IB .000
 RUDDER .000
 RV/FT 2.500
 ELV-OB .000
 SPDBRK .000

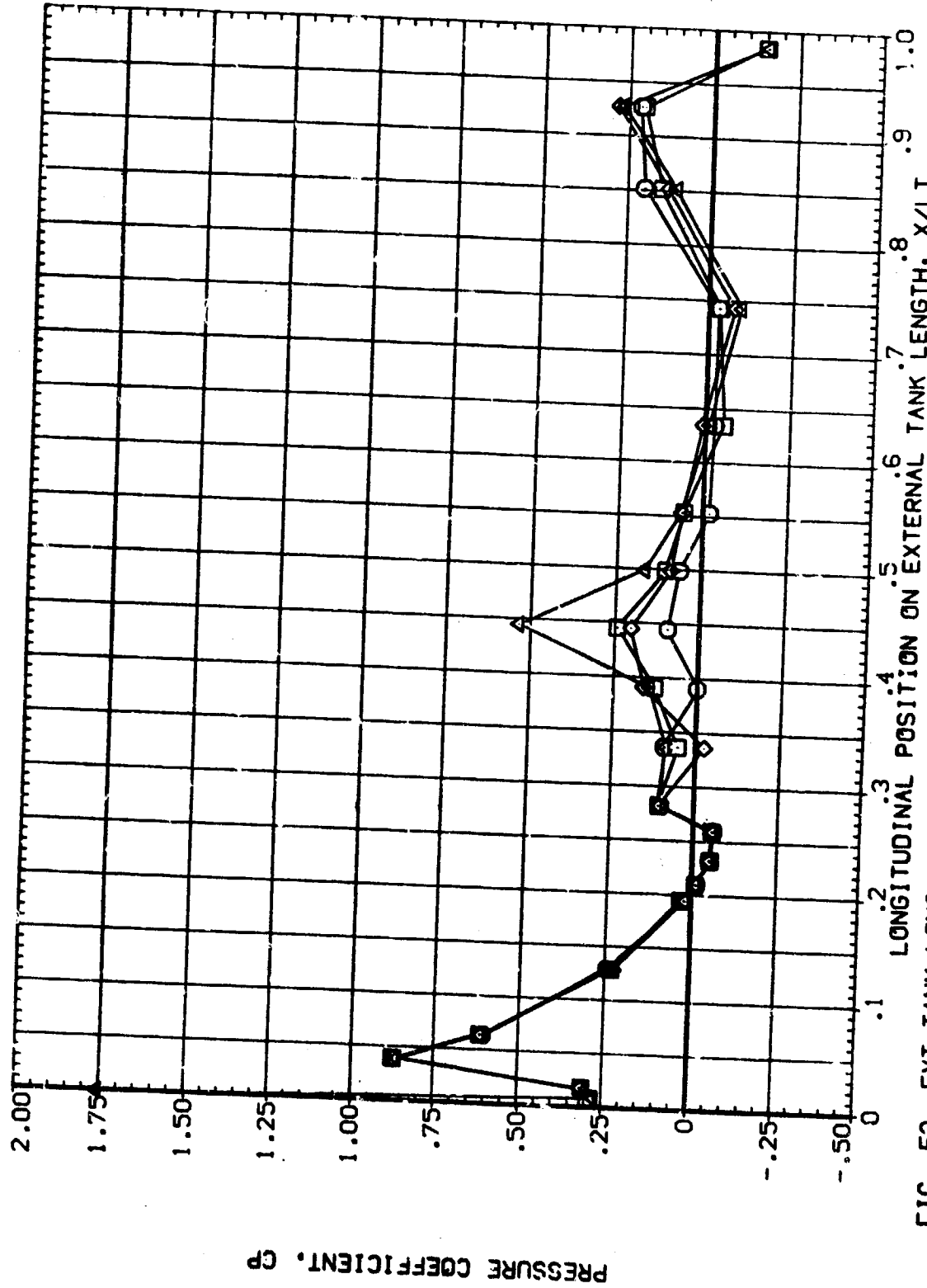


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES
○	.000	4.000	.000	2.500	.000	.000	RN/FT
□	.30.000			.000	.000	.000	ELV-OB
◇	.60.000			.000	.000	.000	SPDBRK
▽	.90.000						
△	.20.000						

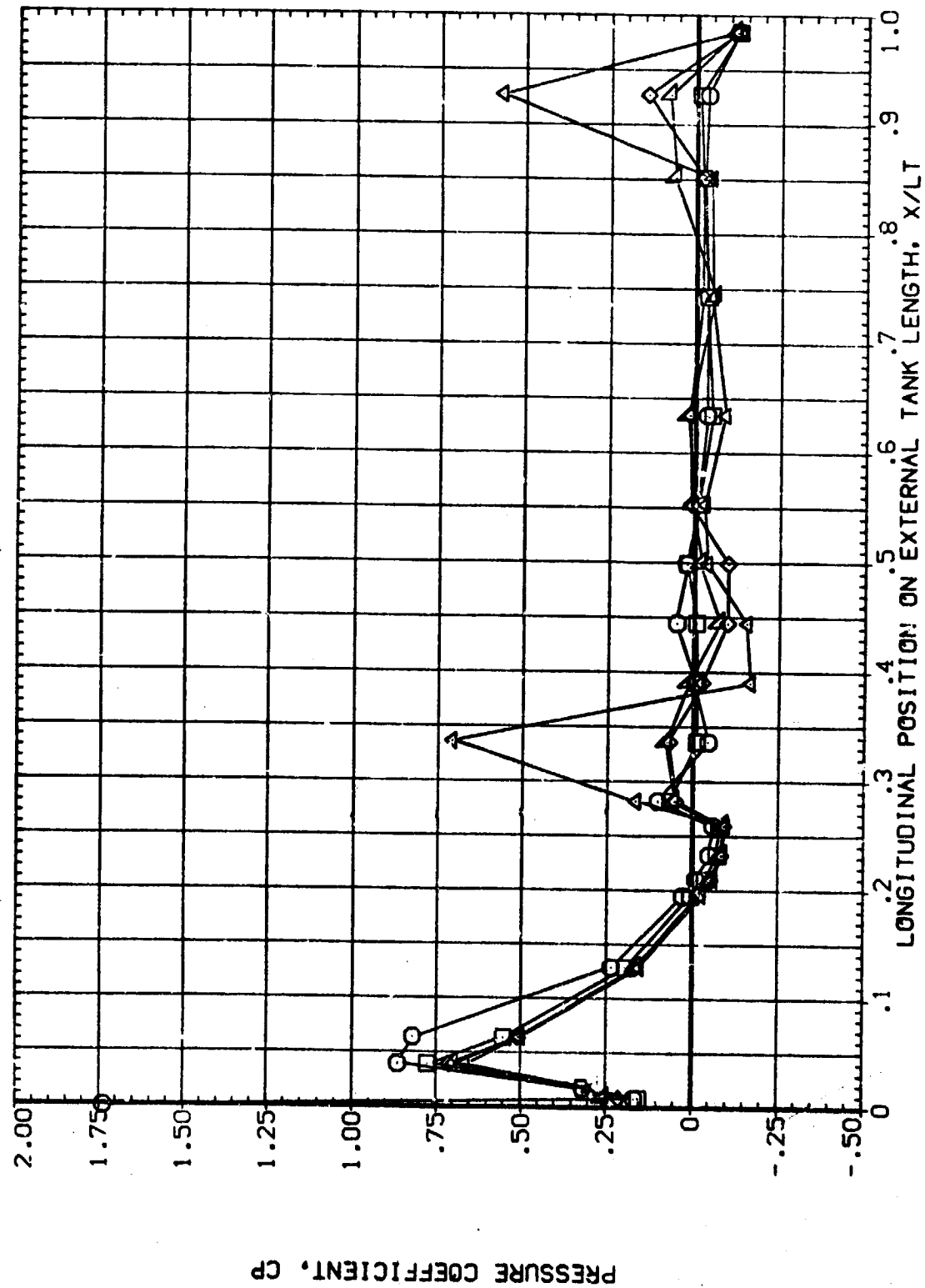


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL PHI BETAT ALPHAT

□ :35.000 4.000 .000

○ :47.000

◇ :62.000

△ :80.000

MACH PARAMETRIC VALUES

ELV-18 2.500 RN/FT 2.500

RUDDER .000 ELV-08 .000

 .000 SPDBRK .000

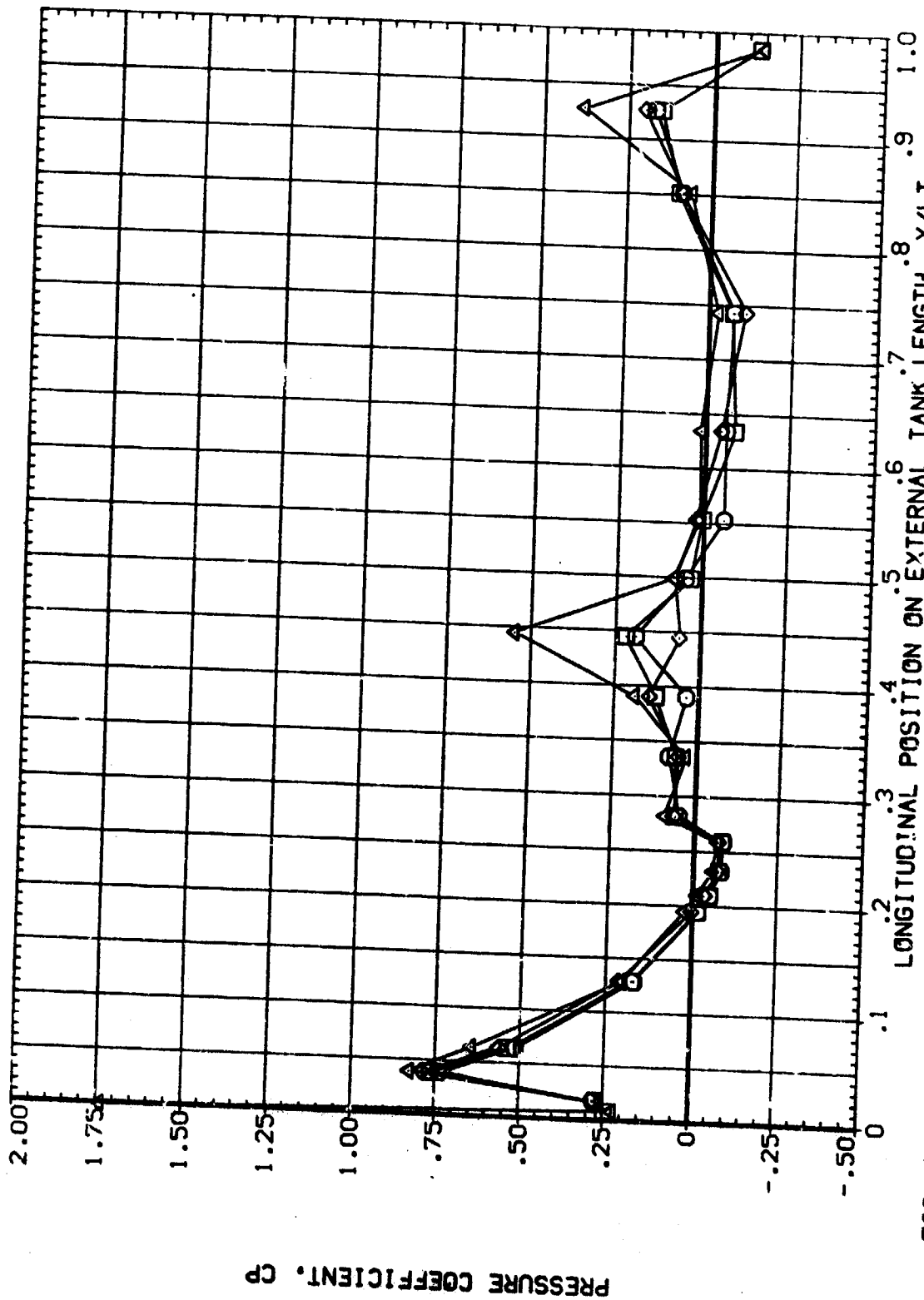


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PMI	BETAT	ALPHAT	MACH	ELV-IB	RUDDFR	PARAMETRIC VALUES
○	.000	6.000	.000	2.500	RN/FT	2.500	
□	30.000			.000	ELV DB	.000	
◇	60.000			.000	SPOBRK	.000	
△	90.000						
▽	120.000						

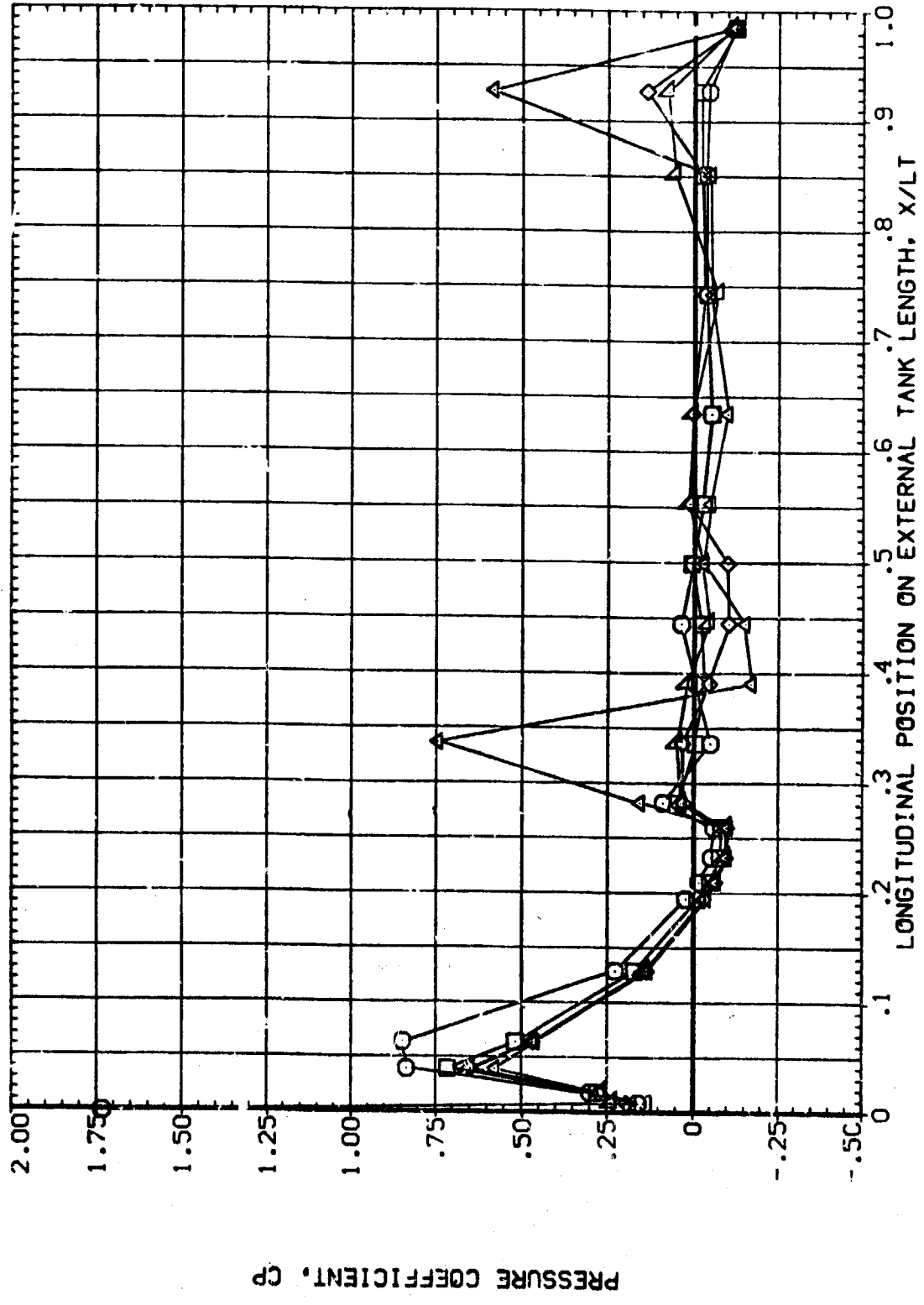


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(CALLHL SEALED) EXTERNAL TANK (JETT42)

SYMBOL: \square \diamond \triangle
 IHI 135.000
 147.000
 162.000
 180.000

MACH 2.500
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

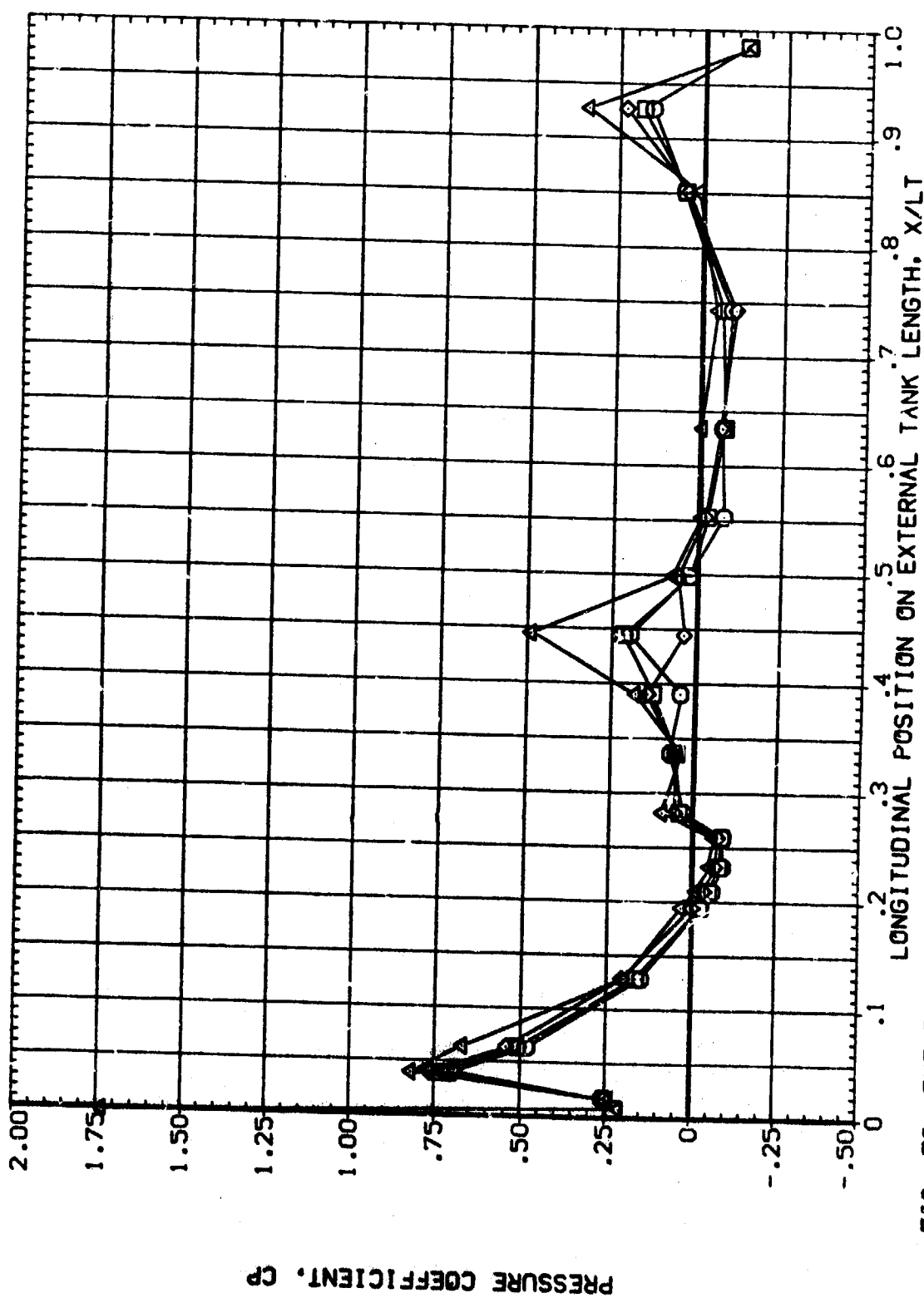


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL		PHI	BETAT	ALPHAT	PARAMETRIC VALUES			
○		.000	-4.000	4.000	2.500	2.500	2.500	2.500
□		30.000			.000	.000	.000	.000
◇		60.000			.000	.000	.000	.000
△		90.000			.000	.000	.000	.000
▽		.20.000						

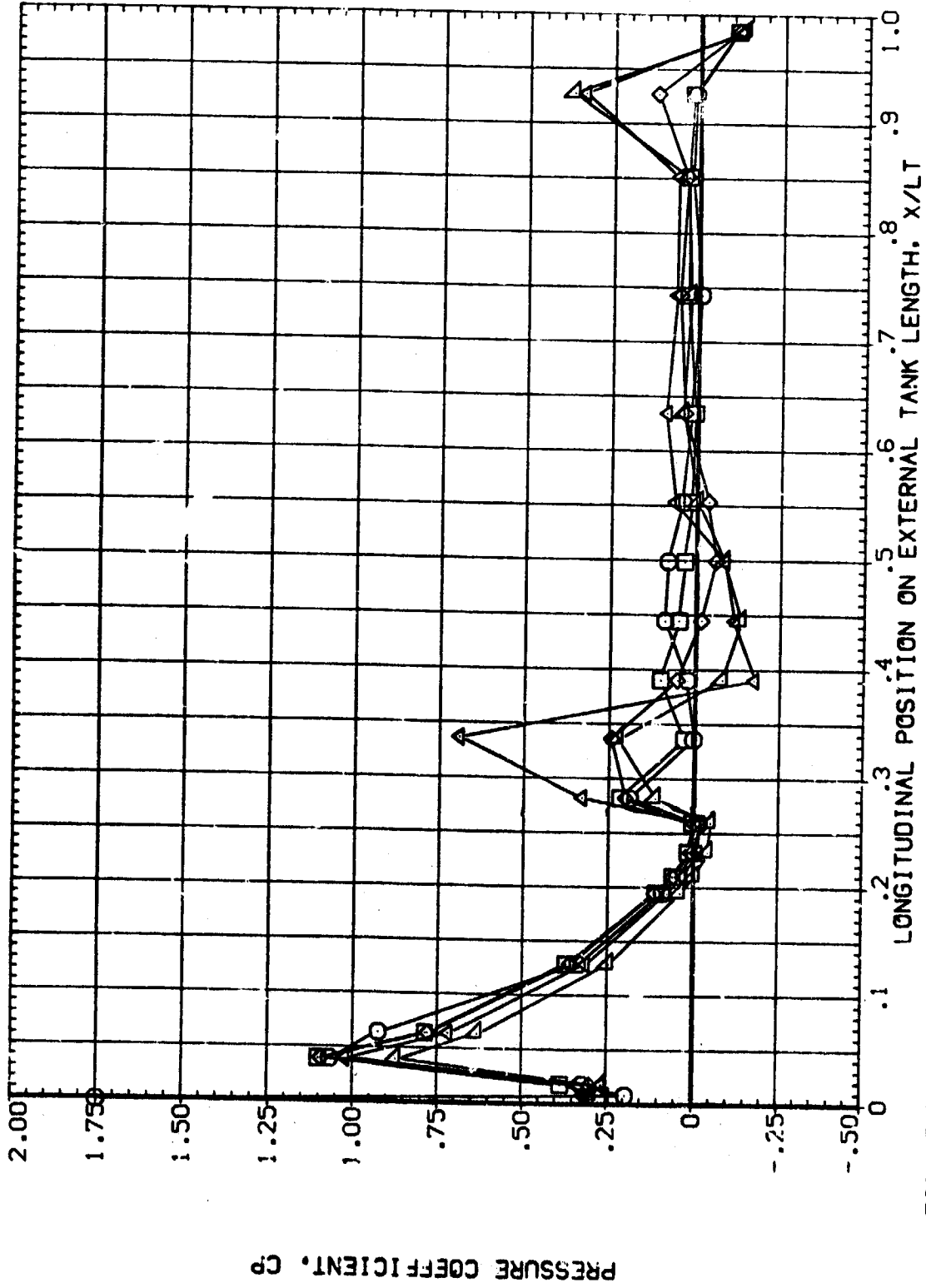


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 -4.000 4.000
 □ :147.000
 ◇ :162.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPD8RK .000

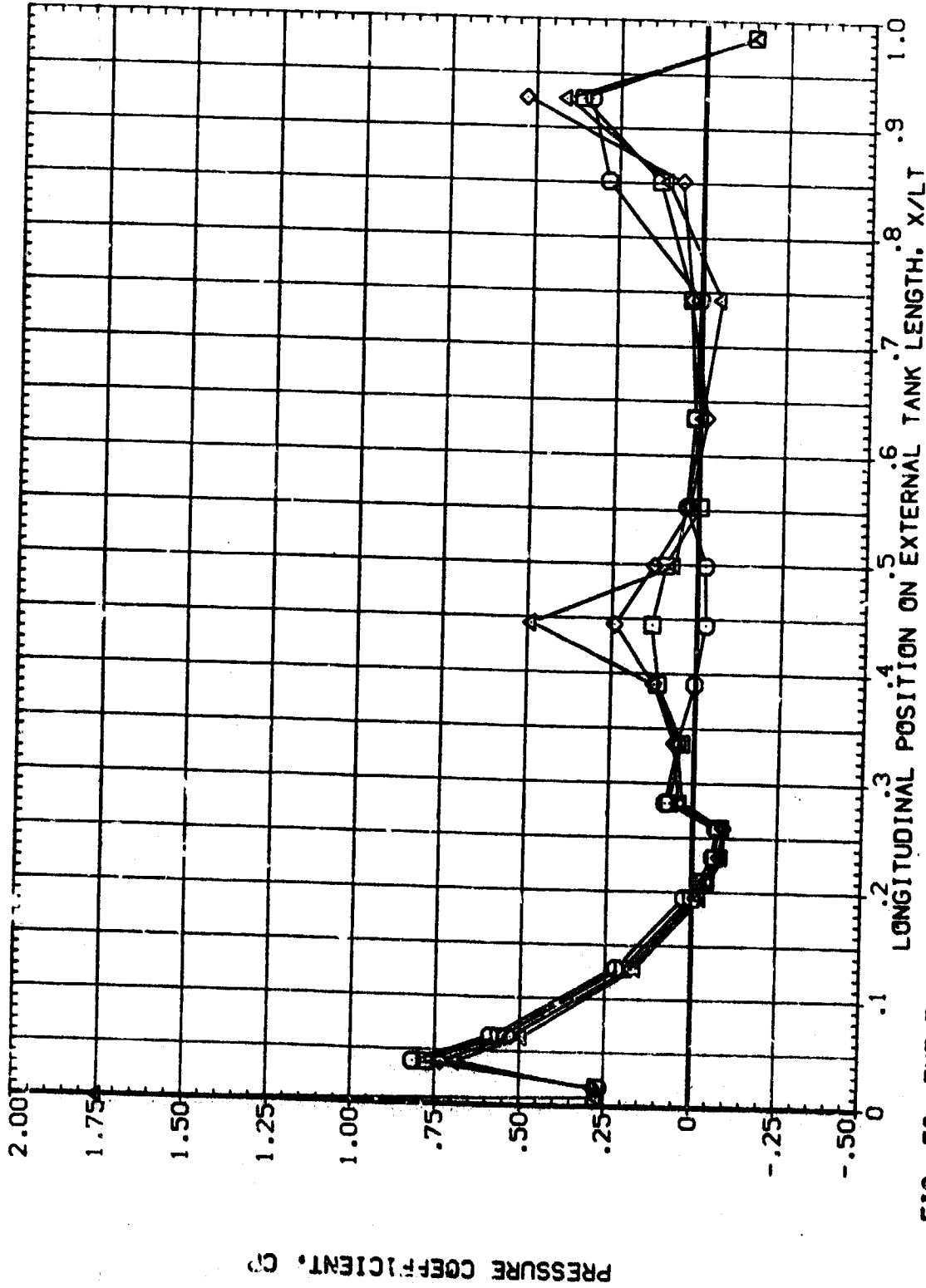


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (JETT42)

SYMBOL	PHI	BETA	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RM/FT	ELV-08	SPOBRK
○	.000	.000	4.000	2.500	.000	.000	2.500	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	120.000									

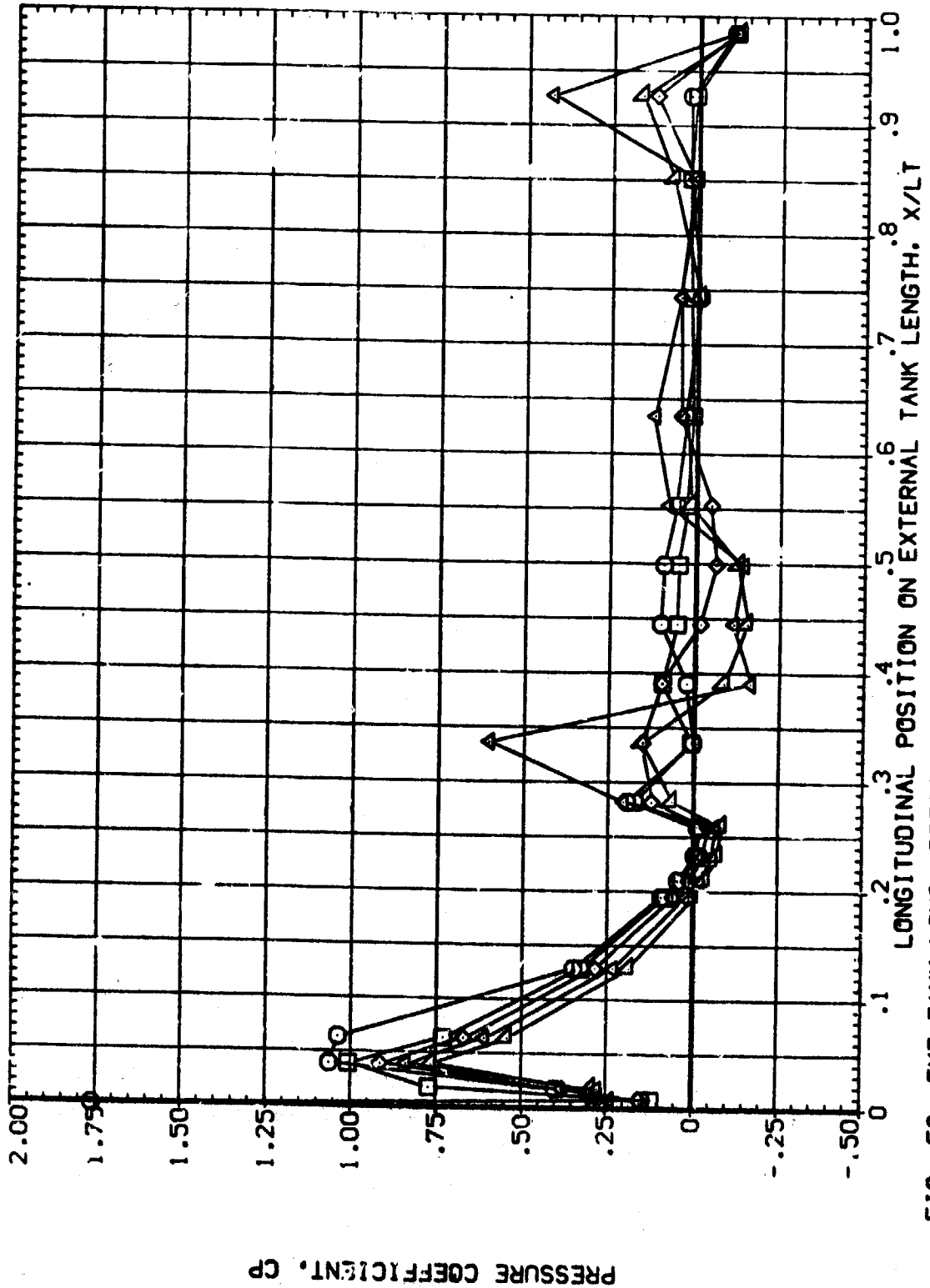


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL PHI BETAT ALPHAT
 ○ :35.000 .000 4.000
 □ :47.000
 ◇ :62.000
 △ :80.000

PARAMETRIC VALUES
 MACH 2.500
 ELV-18 .000
 RUDDER .000
 RNF/FT 2.500
 EL/08 .000
 SPOBRK .000

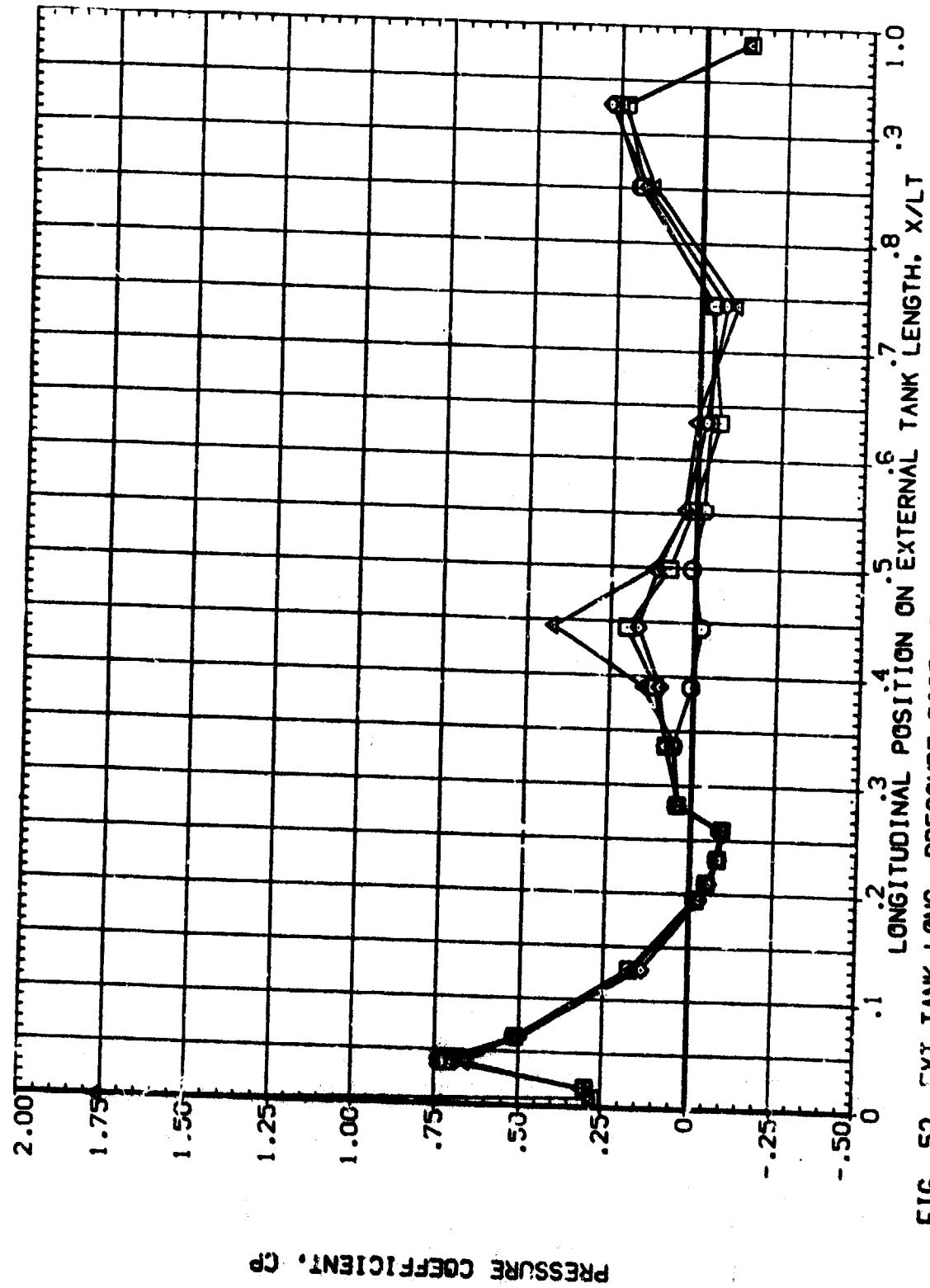


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	P+I	BETAT	ALPHAT	MACH	ELV-1B	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
○	.000	4.000	4.000	2.500	.000	.000	2.500	.000	.000	.000
□	30.000									
◇	60.000									
△	90.000									
▽	120.000									

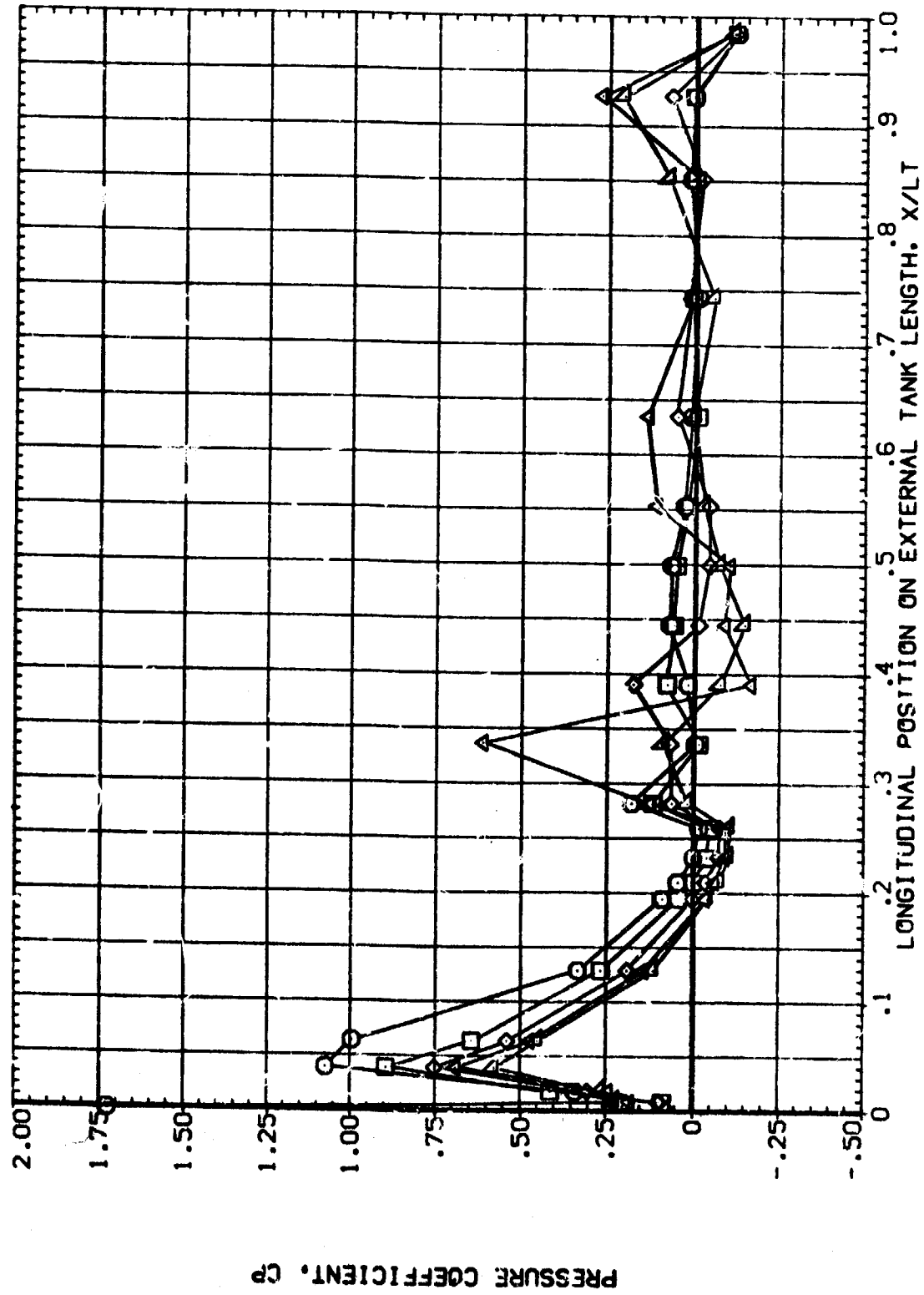


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAPCALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	PARAMETRIC VALUES
○	:35.000	4.000	4.000	ELV-IB	2.500
□	:47.000			RUDDER	.000
◇	:62.000				.000
△	:80.000				.000

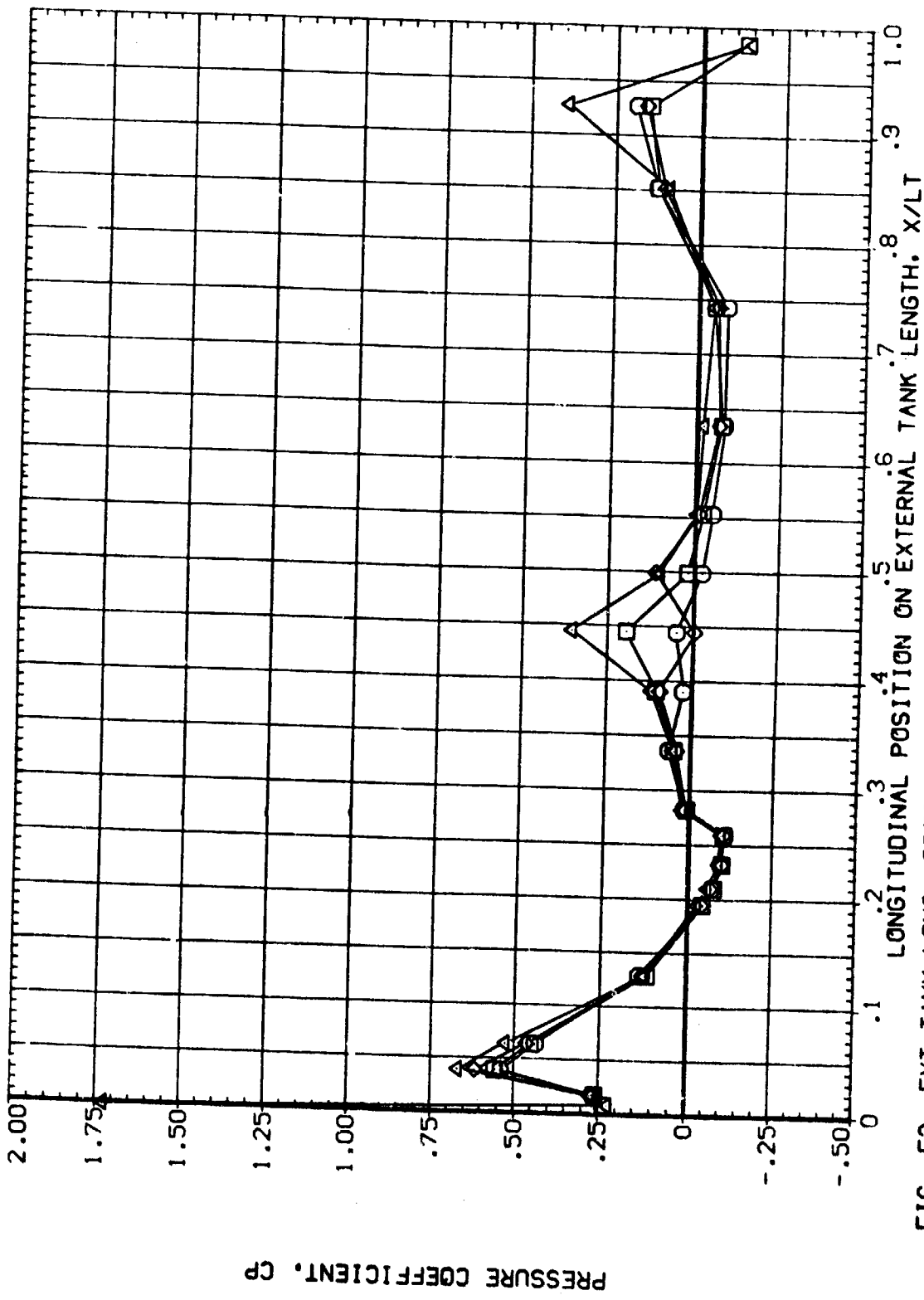


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL	PHI	BETAT	ALPHAT	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.000	.000	6.000	2.500	RN/FT		2.500
□	.30,000			.000	ELV-08		.000
◇	.60,000			.000	SPDBRK		.000
△	.90,000						
▽	.20,000						

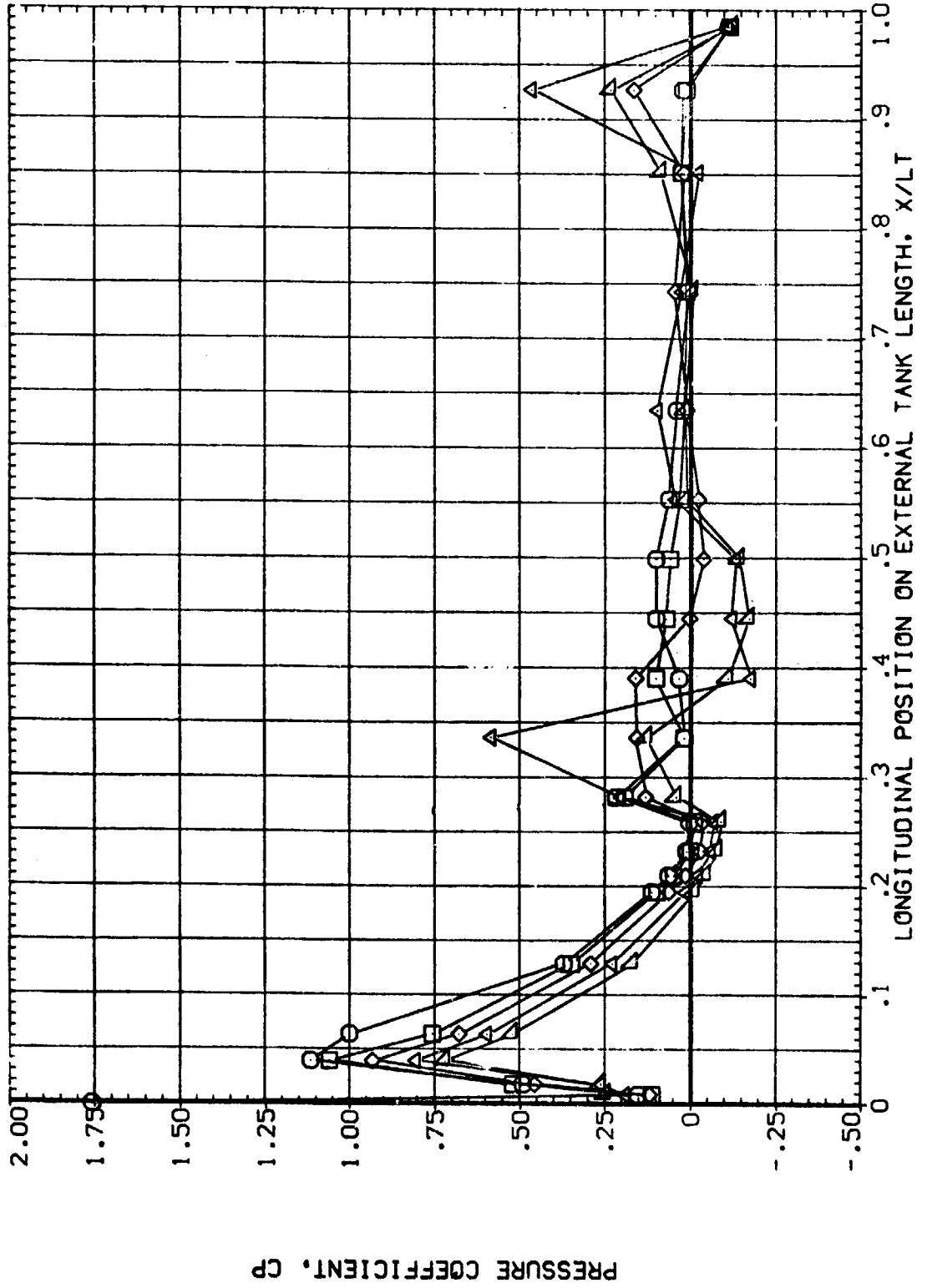


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) EXTERNAL TANK (IETT42)

SYMBOL PMI BETAT ALPHAT
 ◻ :35.000 .000 6.000
 ◻ :47.000
 ◻ :62.000
 ◻ :80.000

MACH PARAMETRIC VALUES
 ELV-18 2.500 RN/FT 2.500
 RUDDER .000 ELV-08 .000
 .000 SPD8RK .000

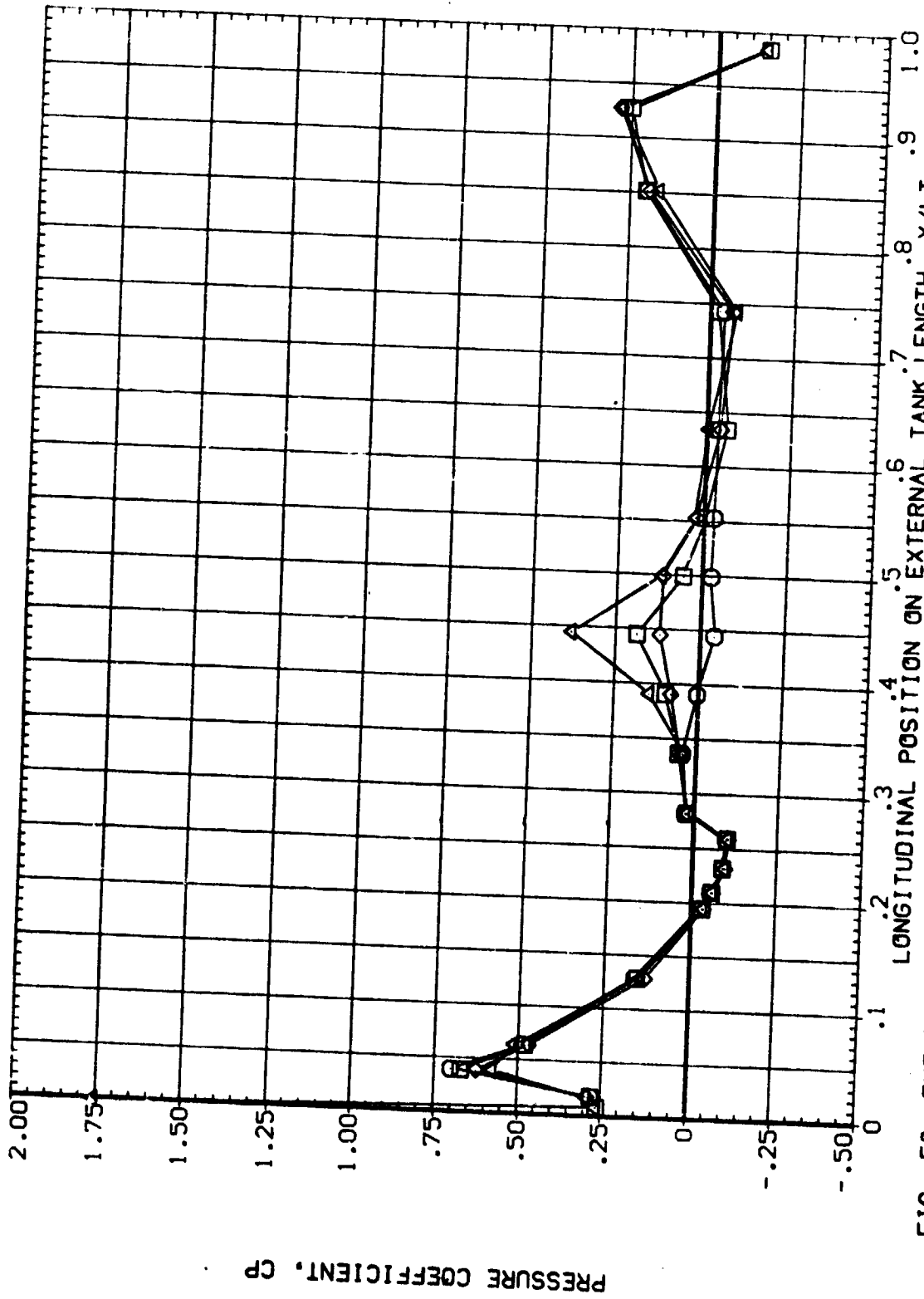


FIG. 52 EXT TANK LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPD8RK = 0, MACH = 2.50

ARC97-019 IA81 LVAPCALLHL SEALED SRM BOOSTER (IETS39)

SYMBOL	PHI		BETAL		ALPHAL		MACH		PARAMETRIC VALUES				
	.000	.000	.000	.000	-6.000	-6.000	ELV-1B	RUDDER	1.550	RN/FT	2.500	ELV-0B	SPDBRK
○	45.000	90.000							.000		.000		
□	90.000	35.000							.000		.000		
◇													
△													

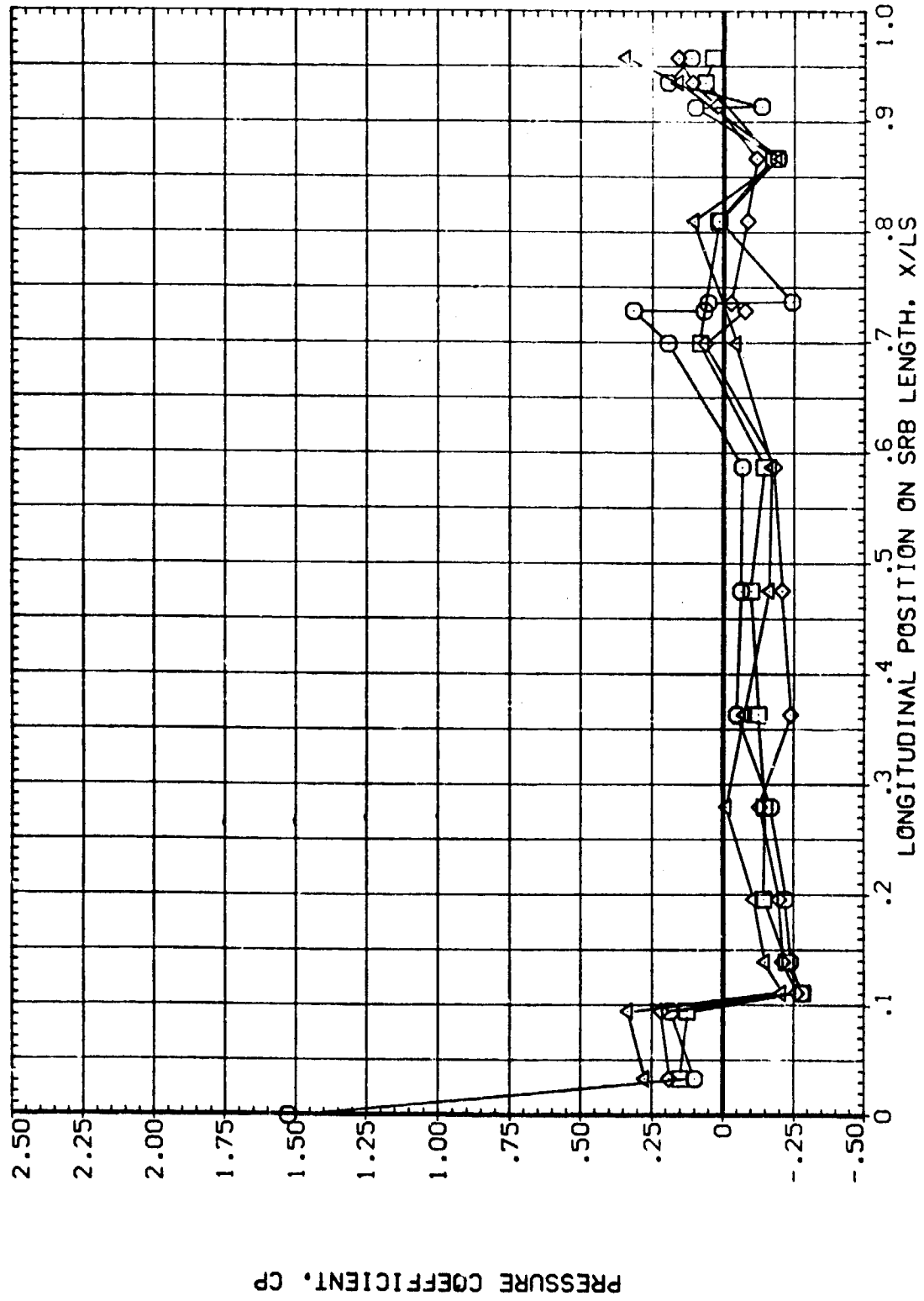


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.80.000	.000	.6.000	1.550	RN/FT		2.500
□	.75.000			.000	ELV-08		.000
◇	.70.000			.000	SPDBRK		.000
△	.65.000						

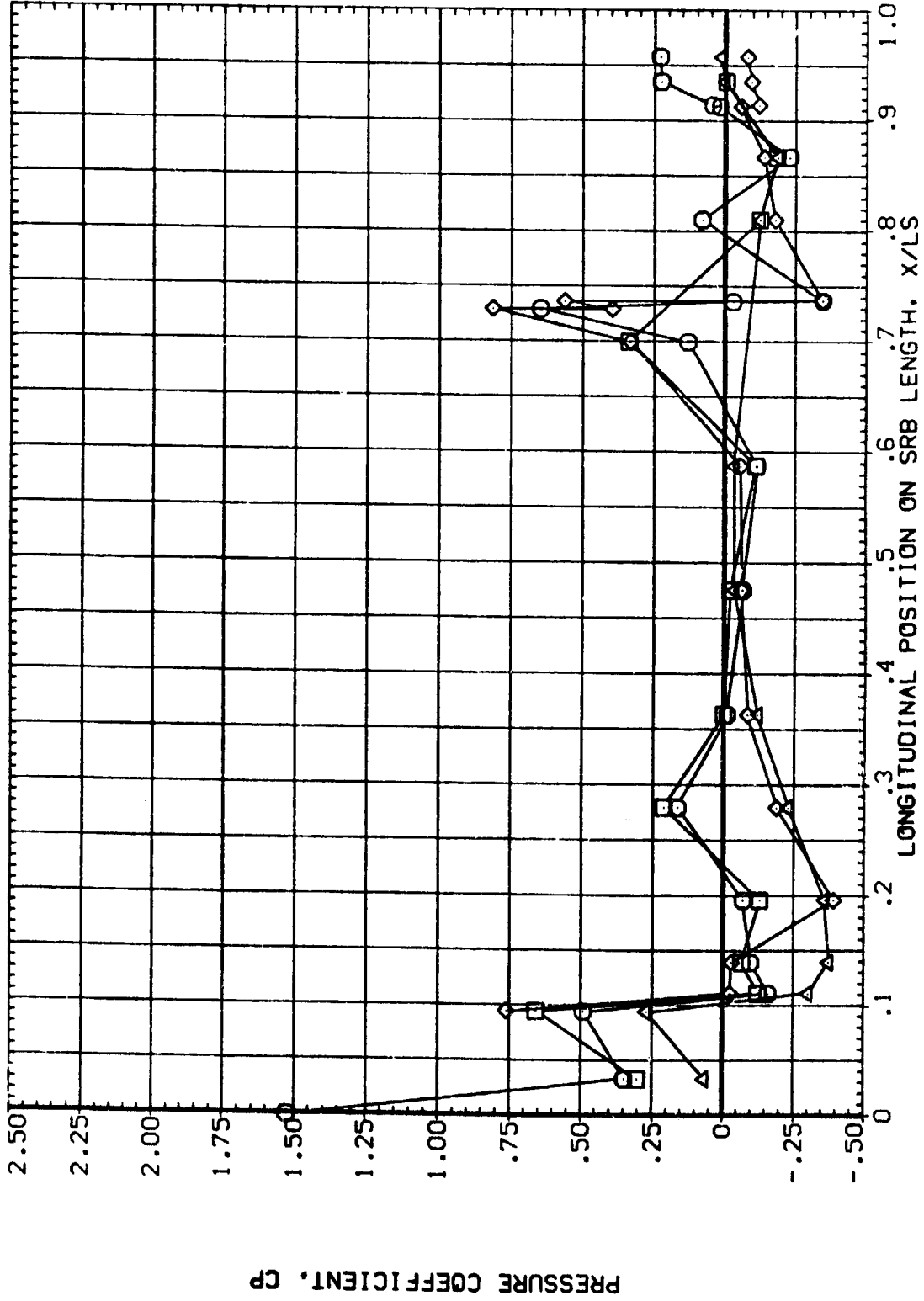


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
○	.000	-4.000	-4.000	ELV-18	1.550 RN/FT 2.500
□	45.000			RUDER	.000 ELV-08 .000
◇	90.000				.000 SPD8RK .000
△	:35.000				

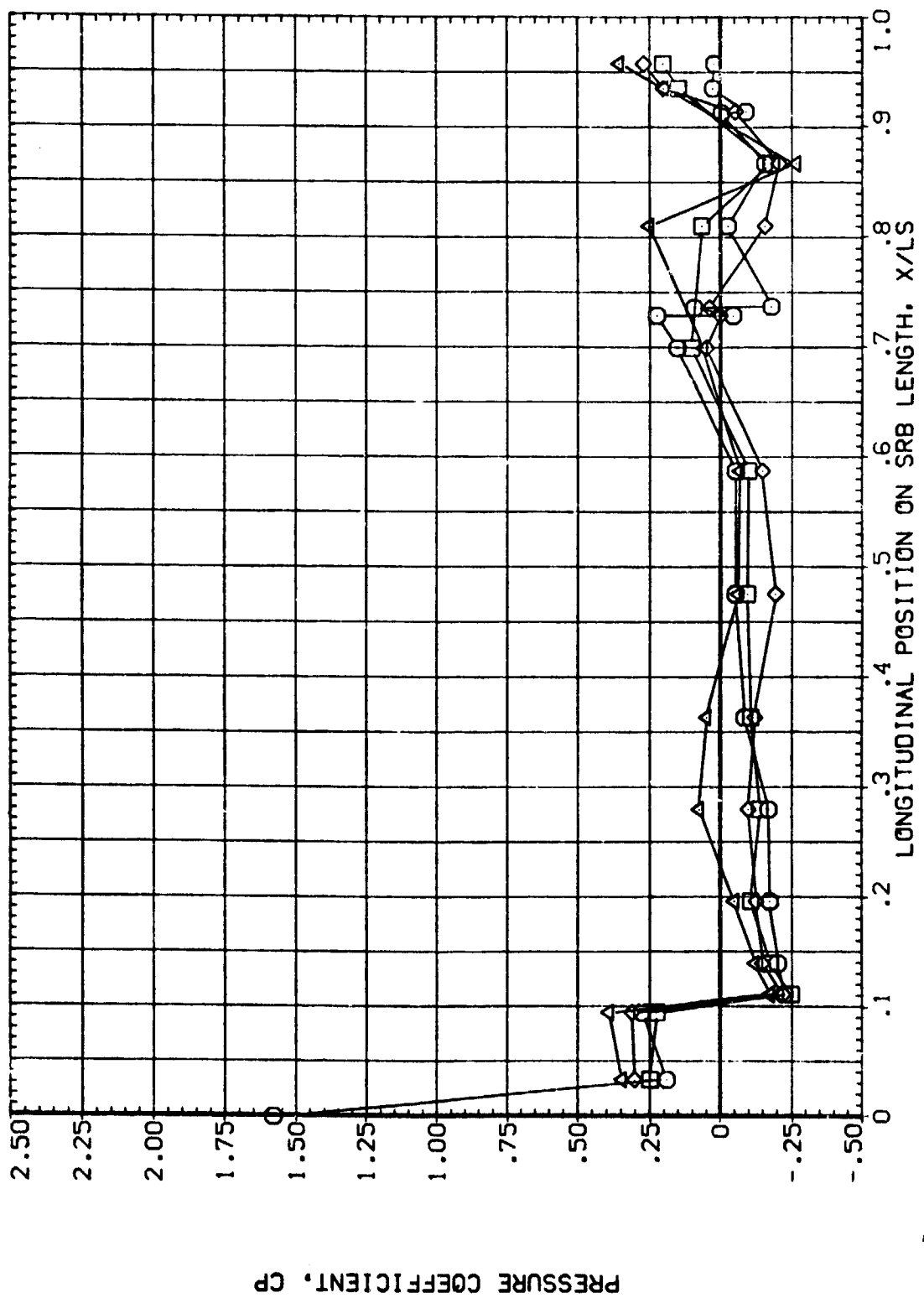


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(CALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES			
	80.000	-4.000	-4.000	MACH	1.550	RN/FT	2.500
□	225.000			ELV-18	.000	ELV-08	.000
◇	270.000			RUDDER	.000	SPDBRK	.000
△	315.000						

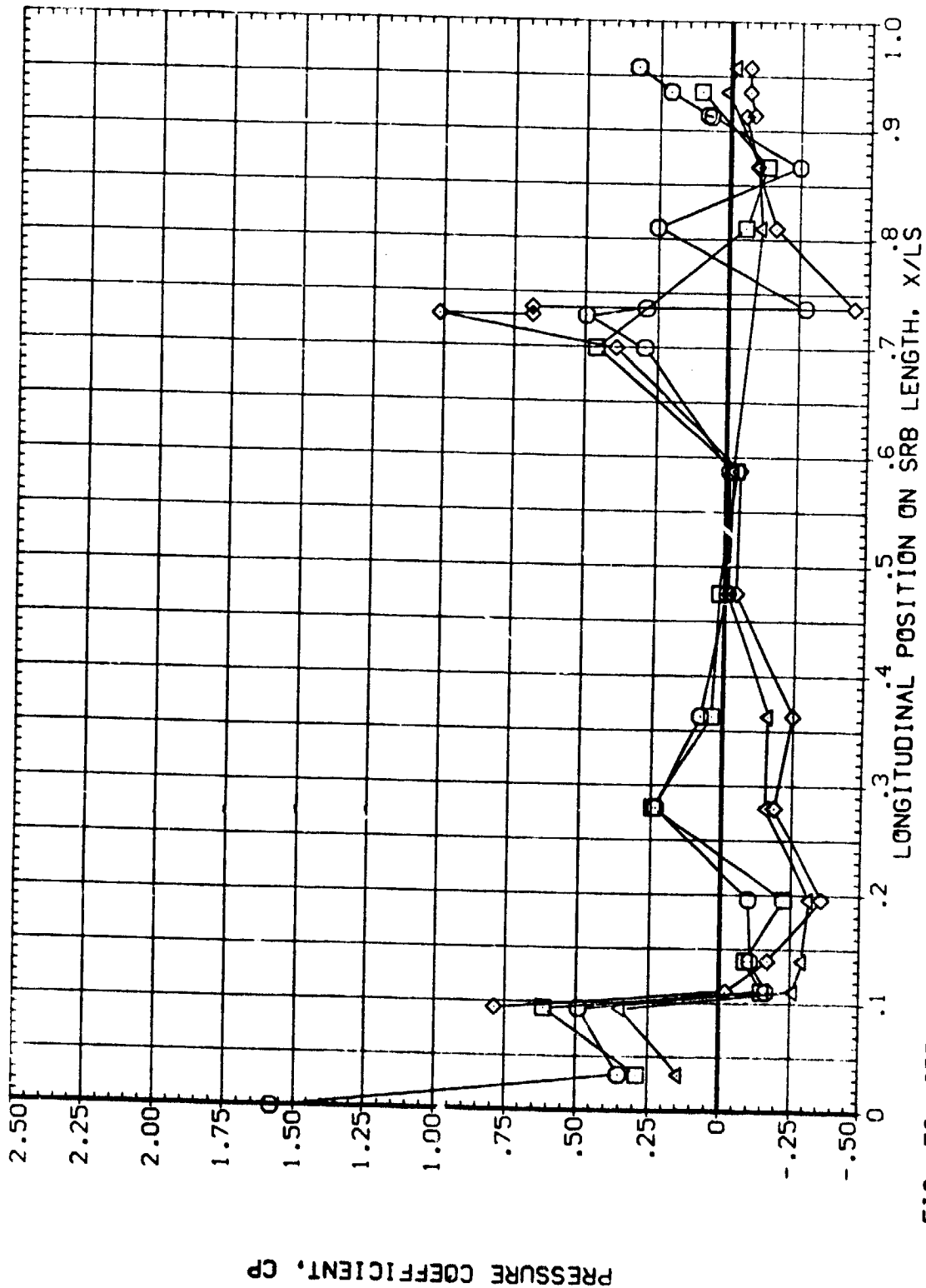


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	ELV-1B	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-0B	SPOBRK
○	.000	.000	-4.000	1.550	.000	.000	2.500	.000	.000	.000
□	45.000									
◇	90.000									
△	135.000									

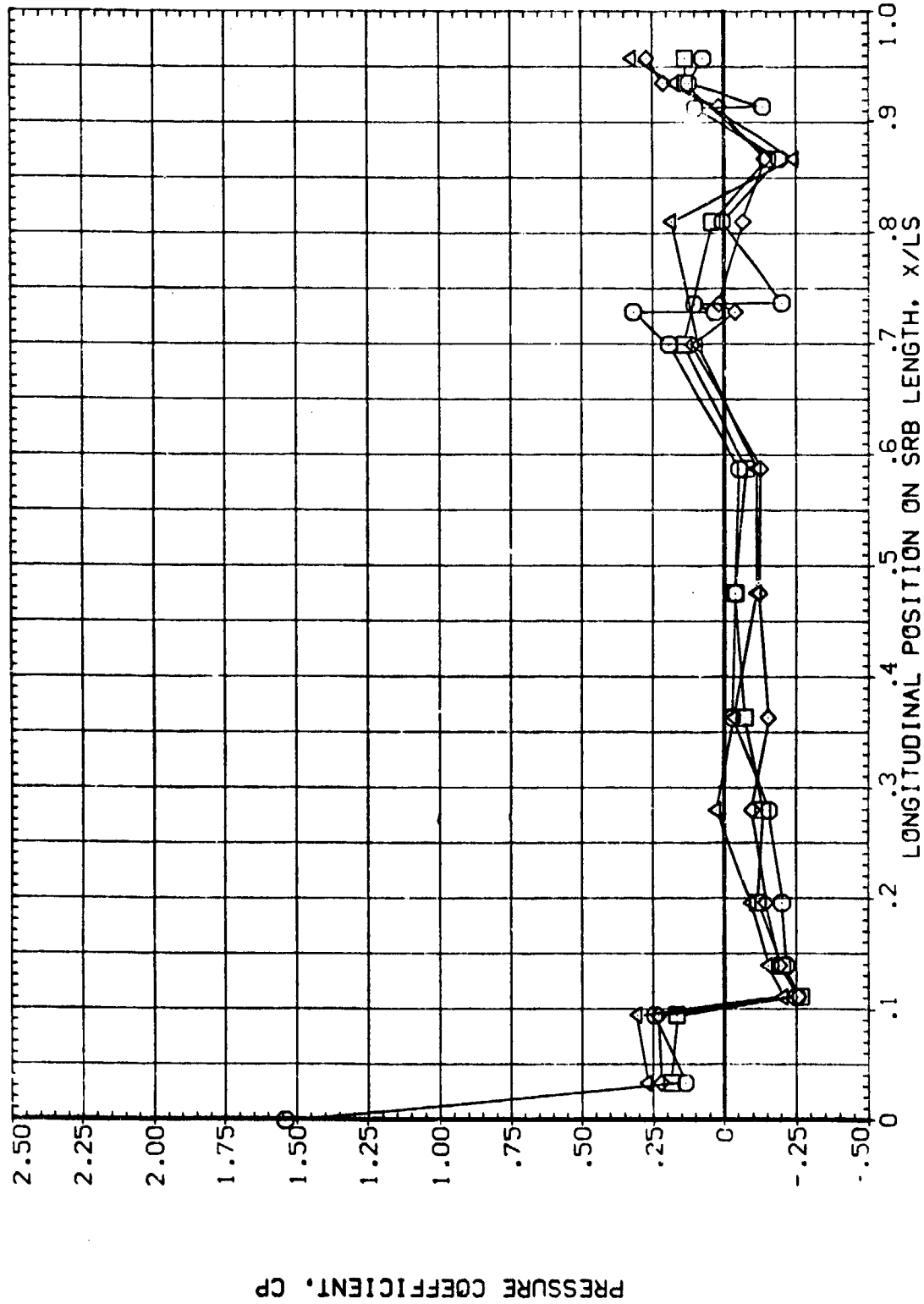


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
○	.80.000	.000	-4.000	1.550	.000	.000	RM/FT 2.500
□	.75.000	.000	.000	.000	.000	.000	ELV-08 .000
◇	.70.000	.000	.000	.000	.000	.000	SPDBRK .000
△	.65.000	.000	.000	.000	.000	.000	

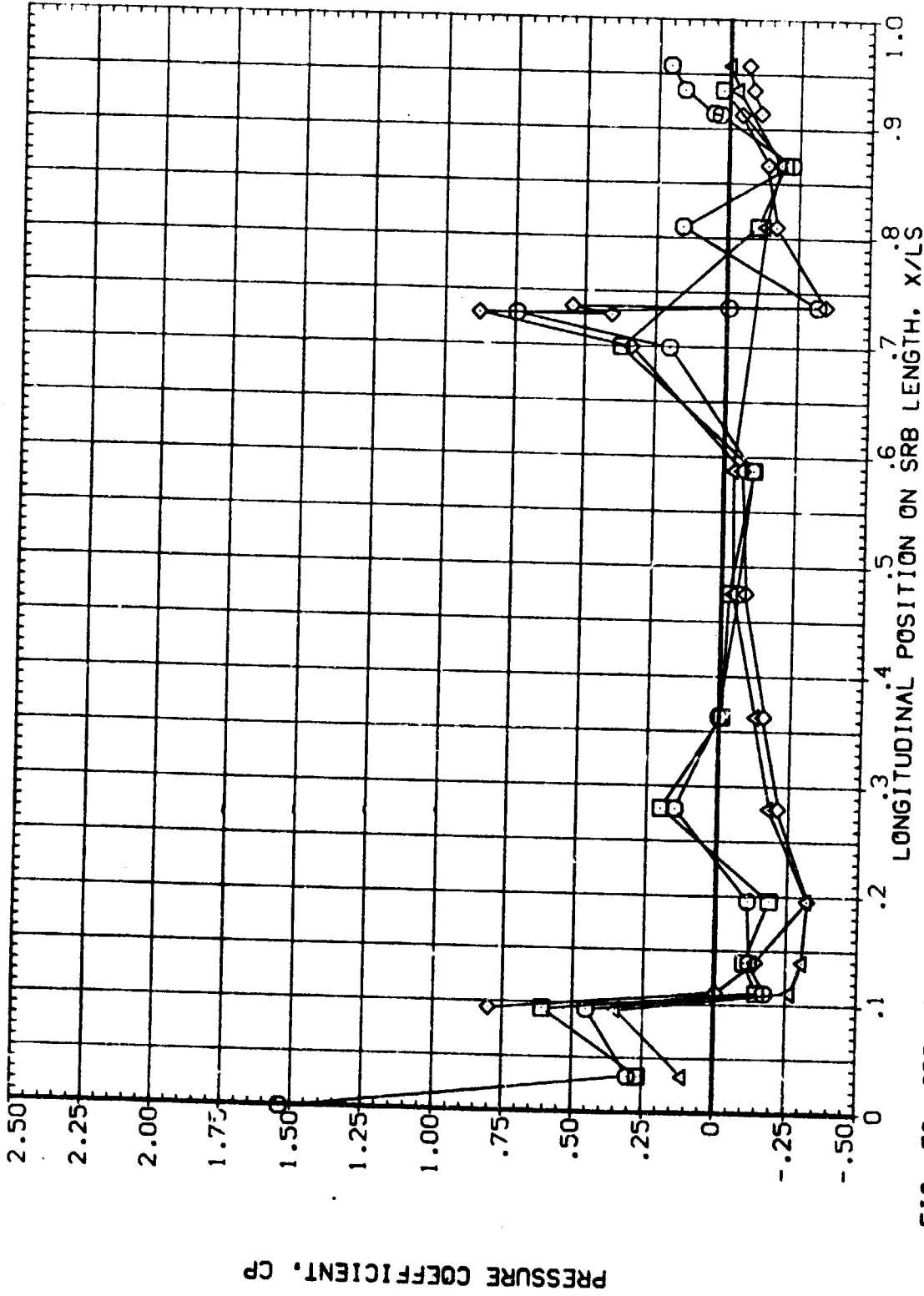


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
○	.000	4.000	-4.000	ELV-1B	1.550 RN/FT
□	45.000			RUDDER	.000 ELV-0B
◇	90.000				.000 SPDBRK
△	:35.000				

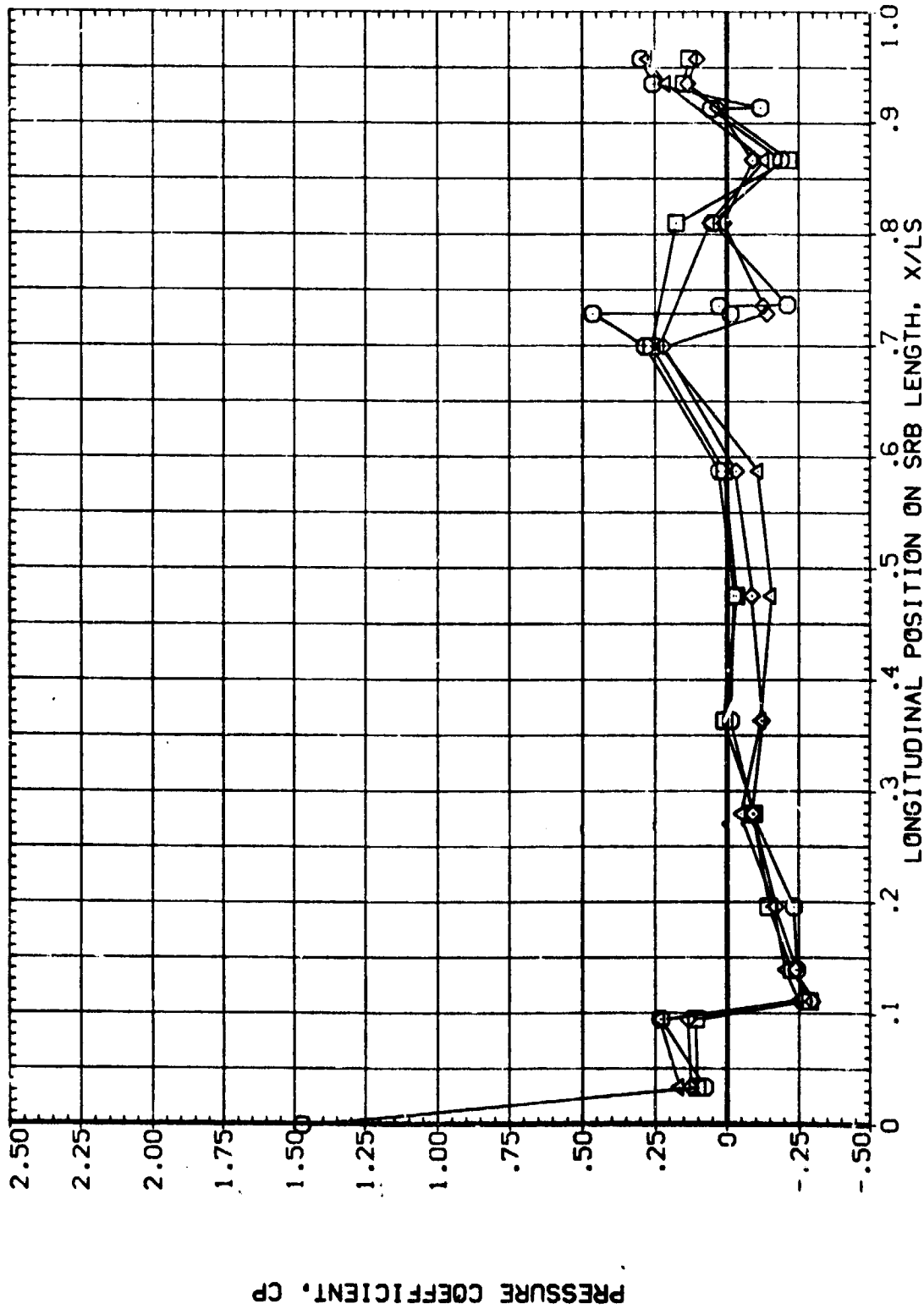


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BETA ALPHA
 □ :80.000 4.000 -4.000
 ◇ :25.000
 △ :270.000
 :315.000

PARAM. (RIC VALUES)
 MACH 1.550 RV/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

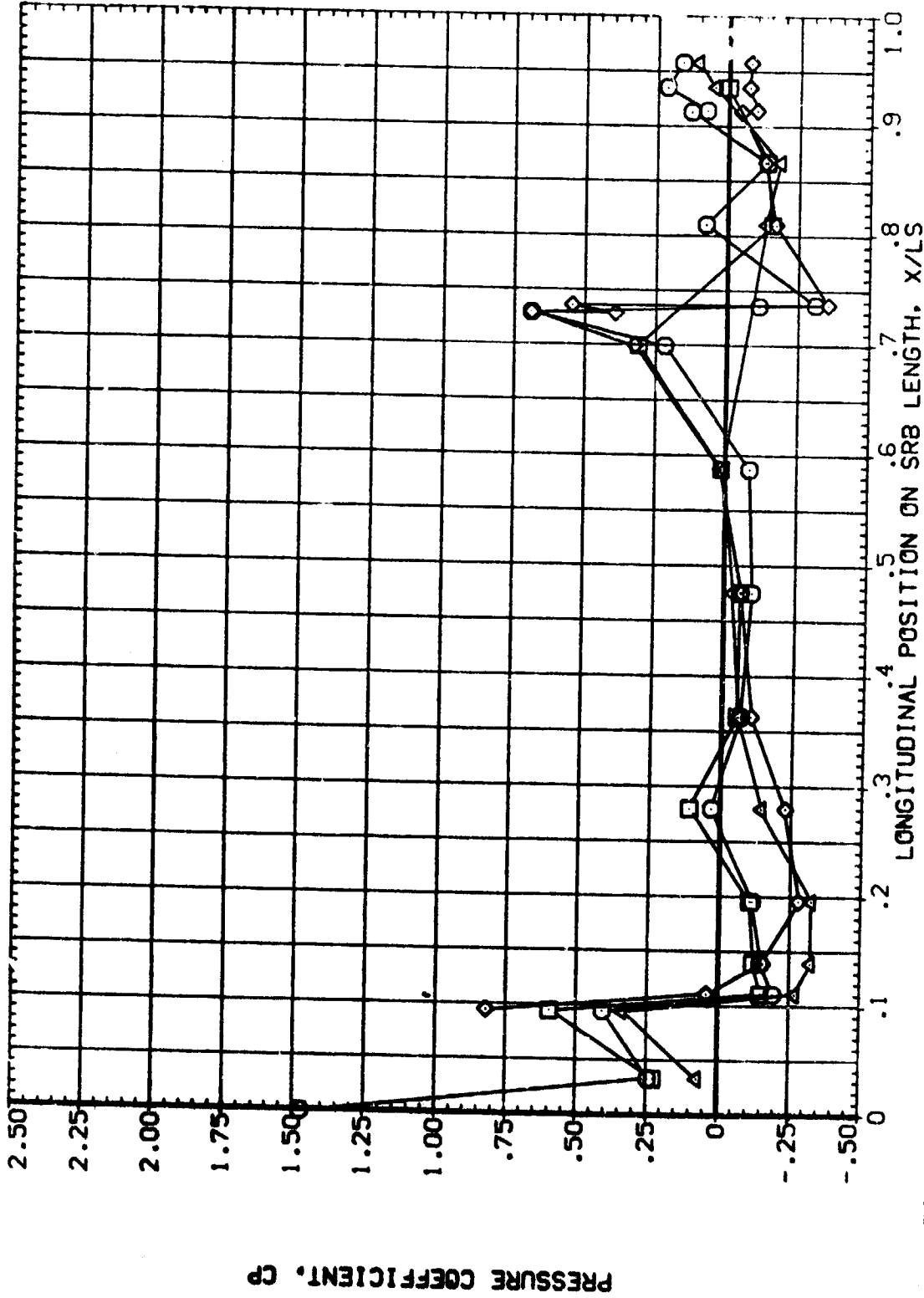


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-6.000	.000	ELV-18	1.550
□	45.000			RUDDER	.000
◇	90.000				PN/FT
△	:35.000				ELV-08
					SPOBRK
					2.500
					.000
					.000

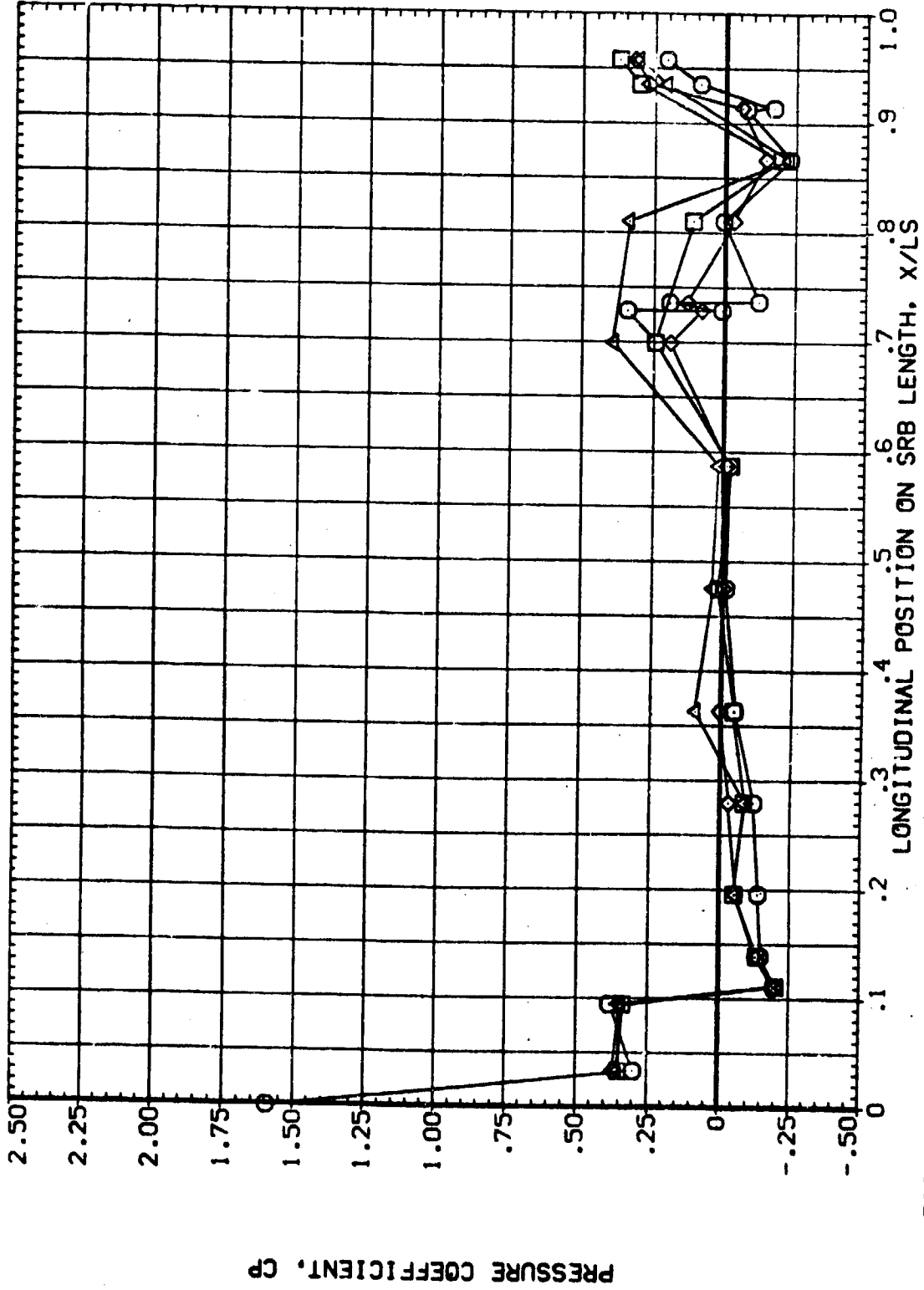


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

PHI .80.000 ALPHA .000
 BETA -6.000
 SYMBOL : 25.000
 : 270.000
 : 31.000

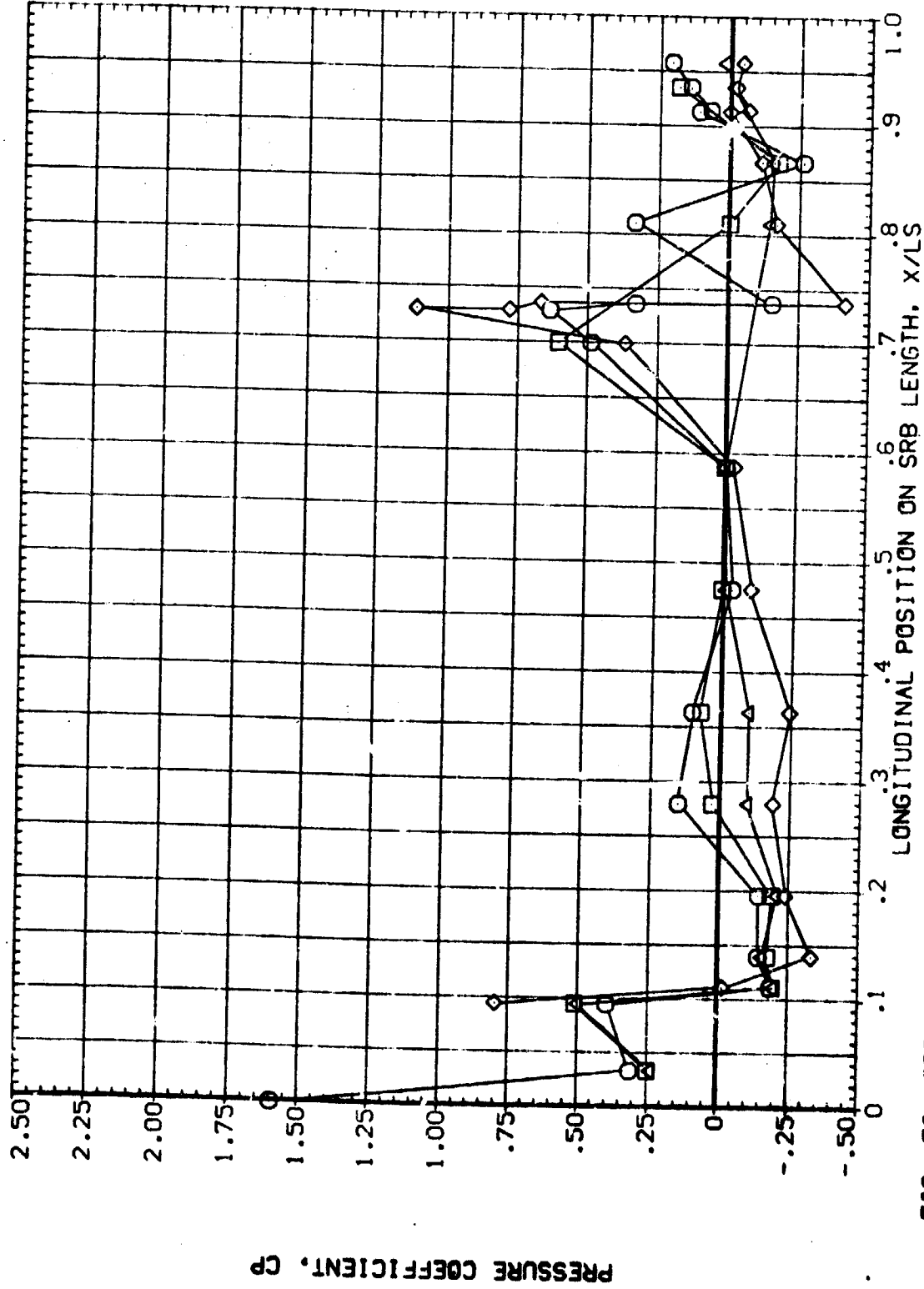


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
○	.000	-4.000	.000	ELV-18	1.550 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPOBRK
△	:35.000				.000

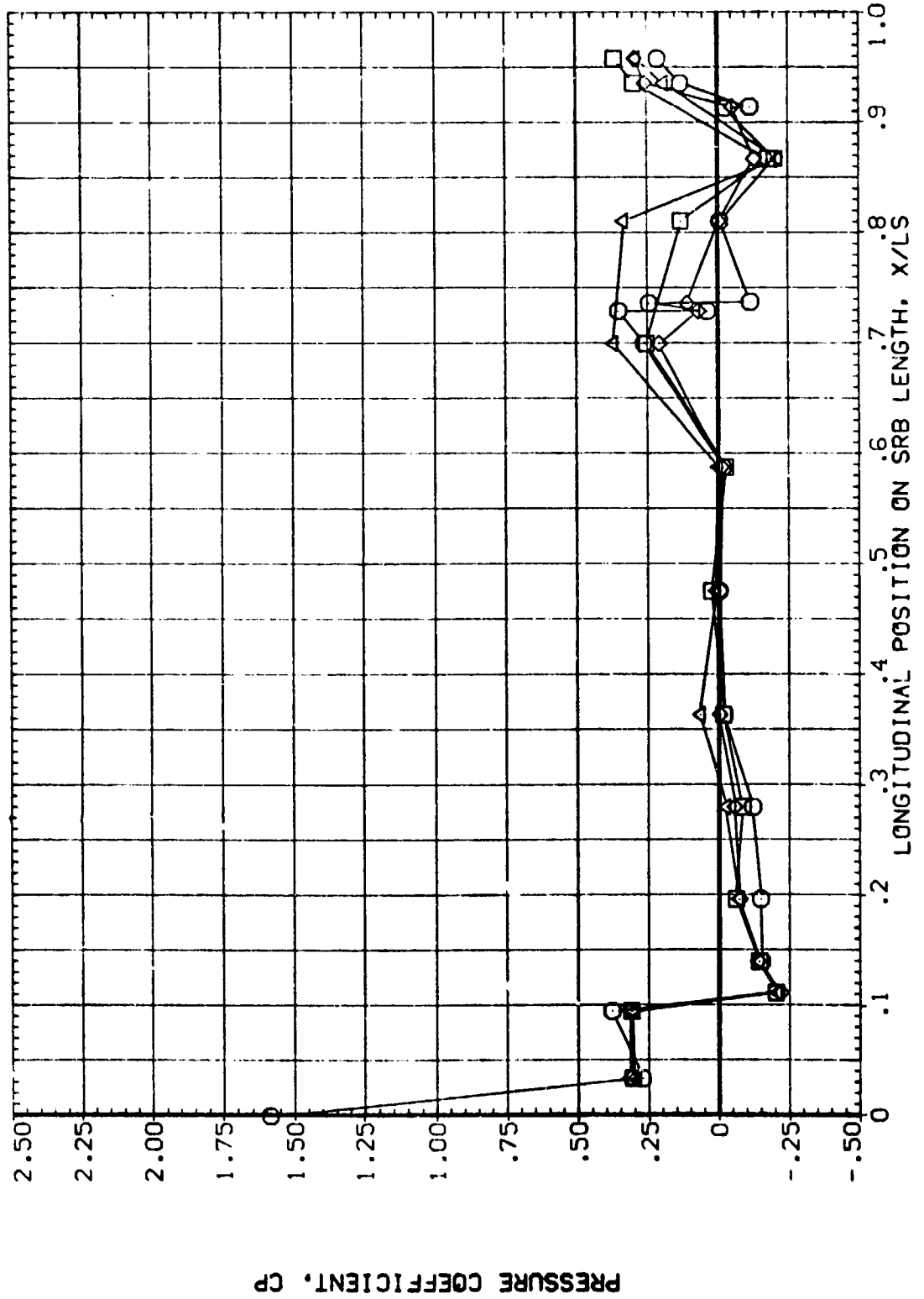


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BETAL ALPHA
 ○ 80.000 -4.000 .000
 □ 25.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-IB .000 ELV-CB .000
 RUDDER .000 SPDBRK .000

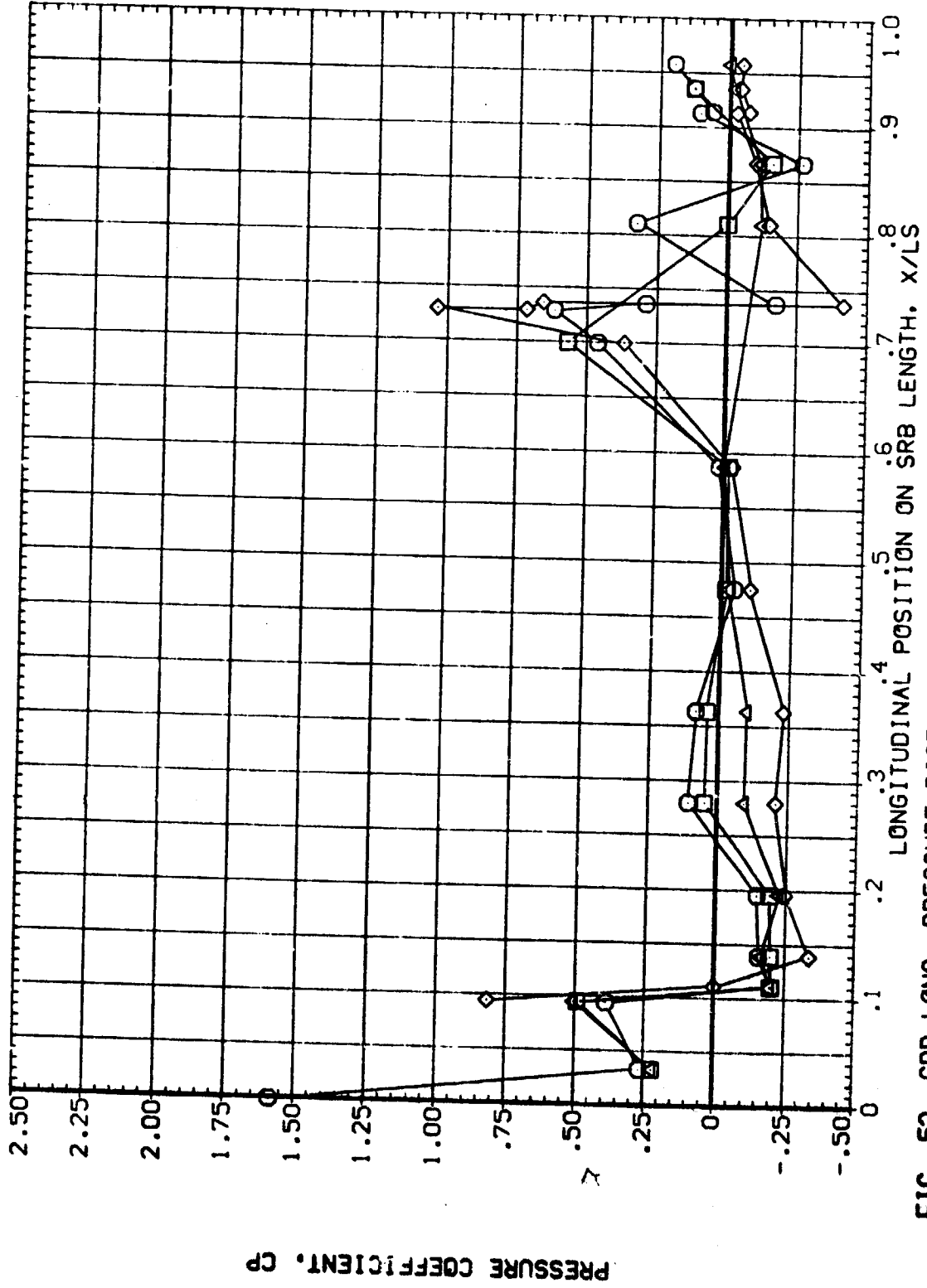


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETAL	ALPHAL	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
○	.000	.000	.000	1.550	.000	.000	2.500	.000	.000	.000
□	45.000	.000	.000	.000	.000	.000				
◇	90.000	.000	.000	.000	.000	.000				
△	:35.000	.000	.000	.000	.000	.000				

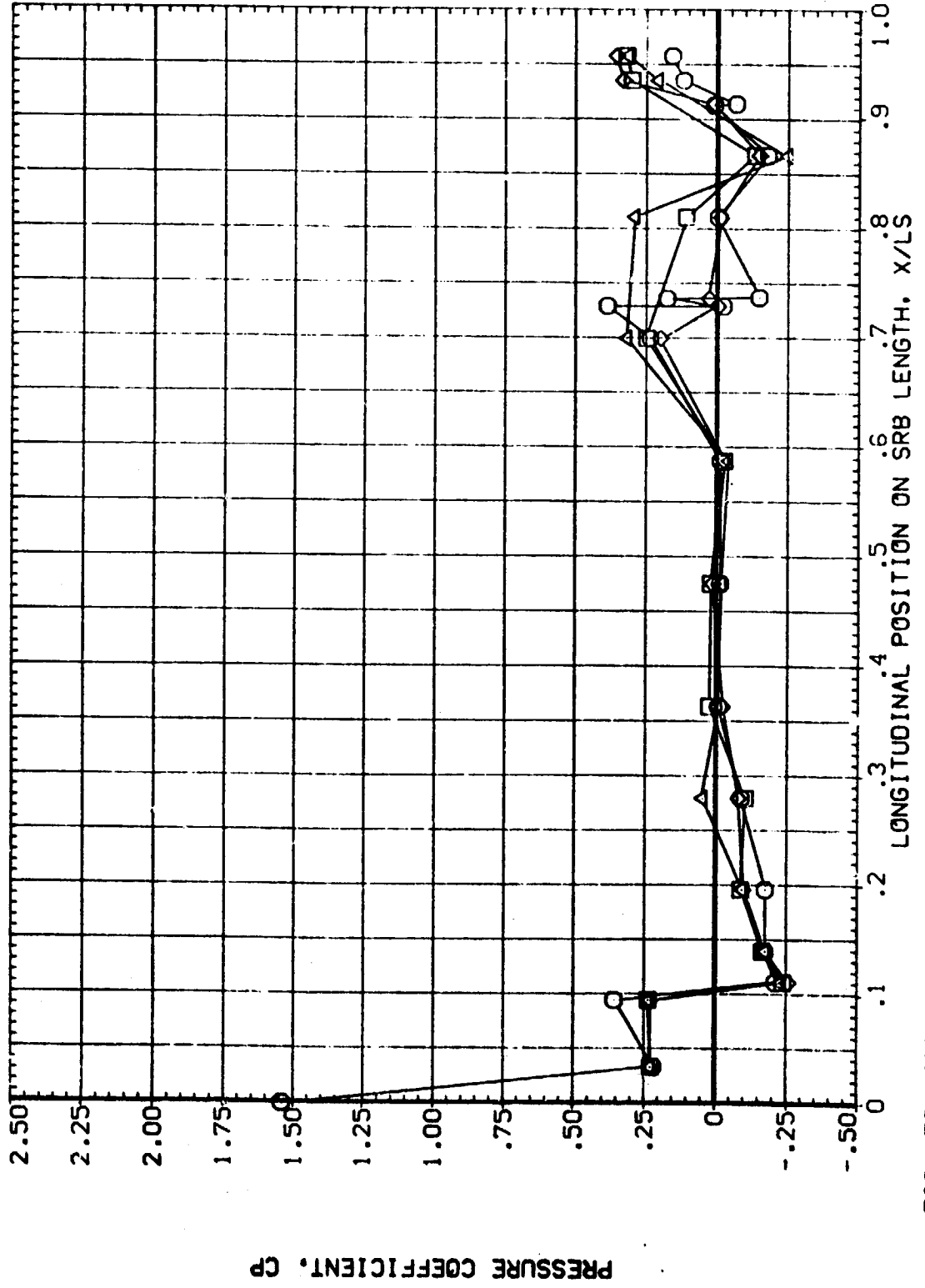


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BETAL ALPHAL
 ○ :90.000 .000
 □ :25.000
 ◇ :270.000
 △ :315.000

MACH 1.550
 ELV-08 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

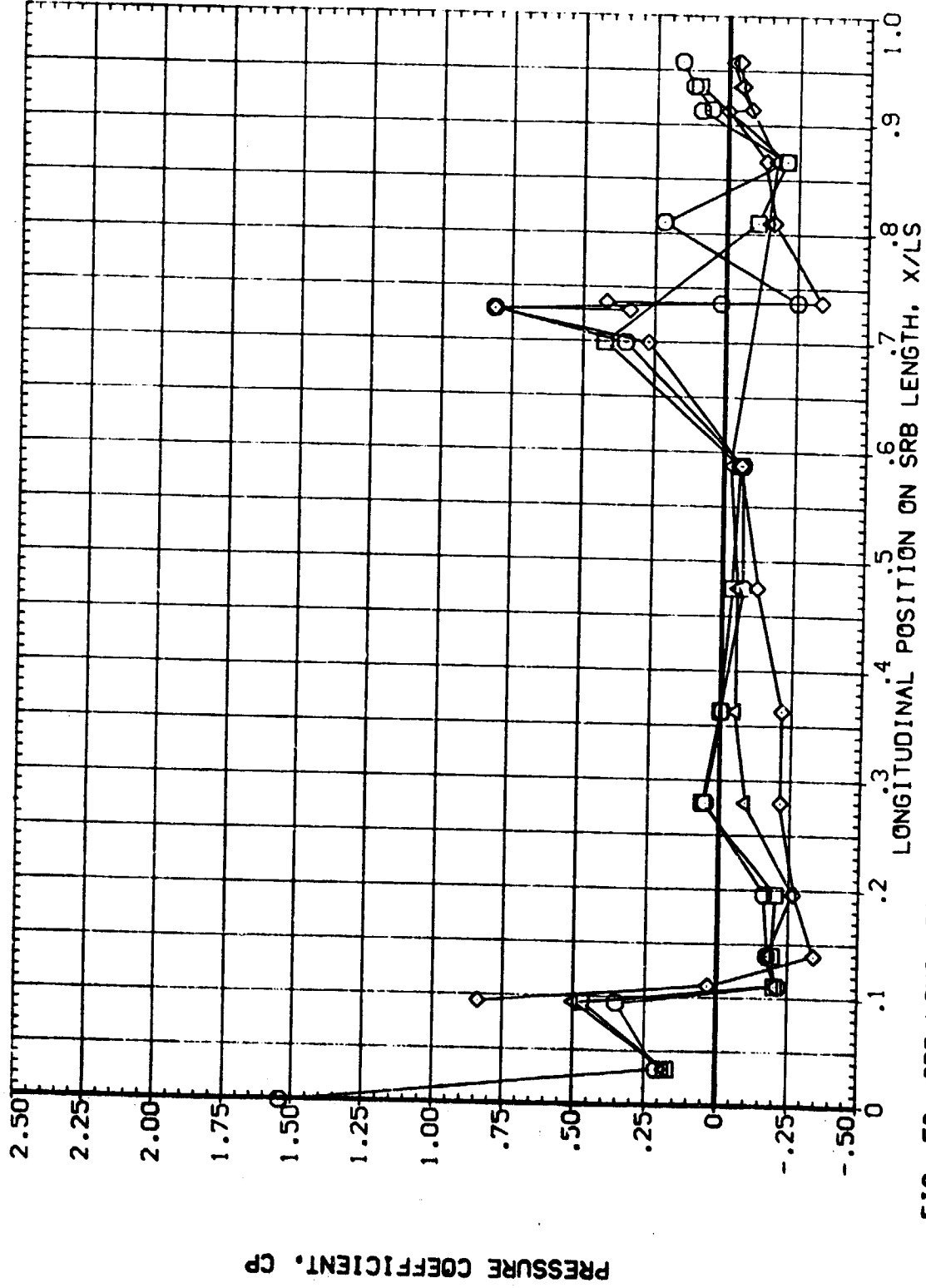


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○		.000	4.000	.000	MACH	1.550	RN/FT	2.500
□		45.000			ELV-18	.000	ELV-08	.000
◇		90.000			RUDDER	.000	SPDBRK	.000
△		:35.000						

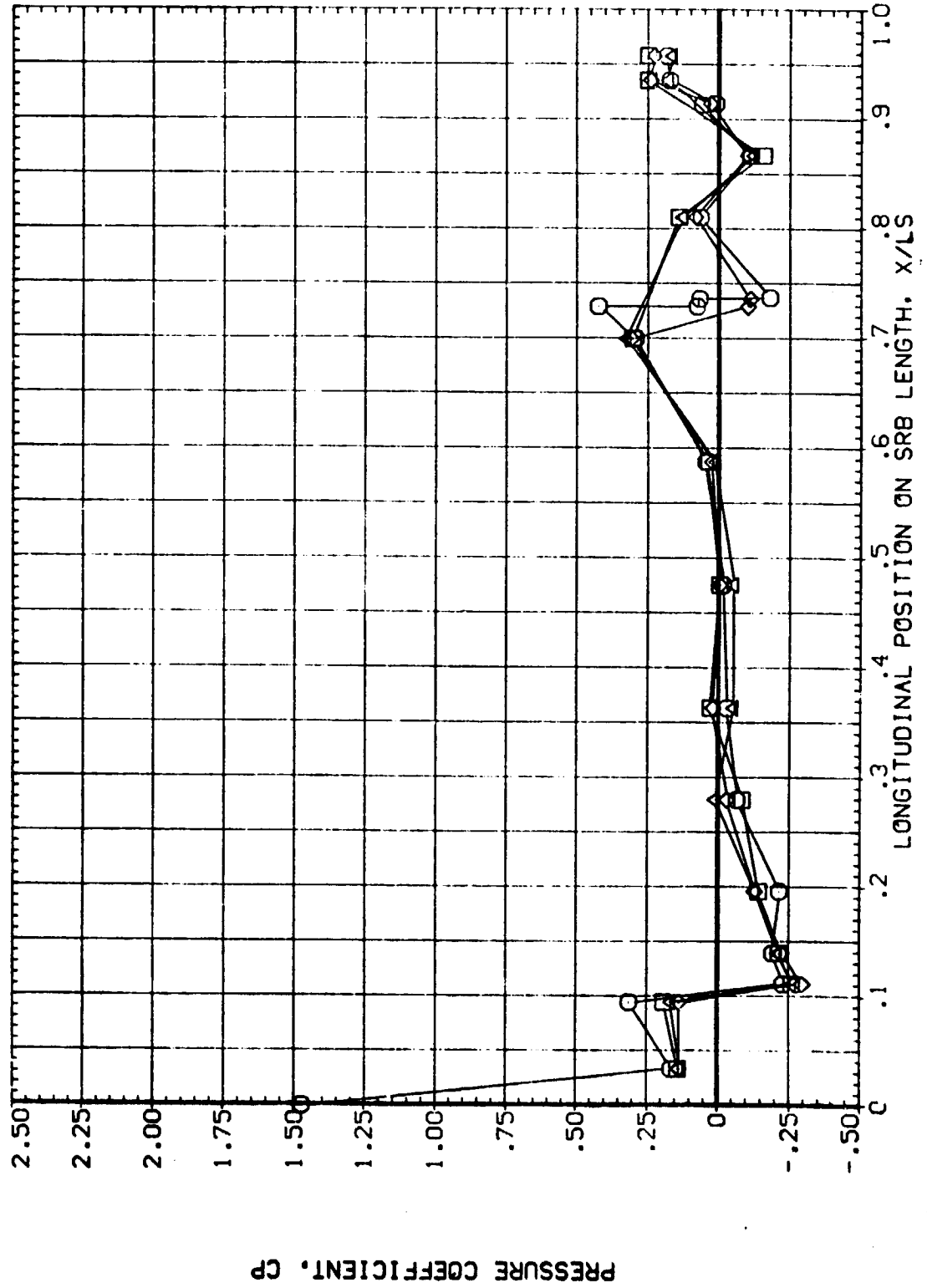


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BETAL ALPHAL
 ○ 180.000 4.000 .000
 □ 225.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPDBRK .000

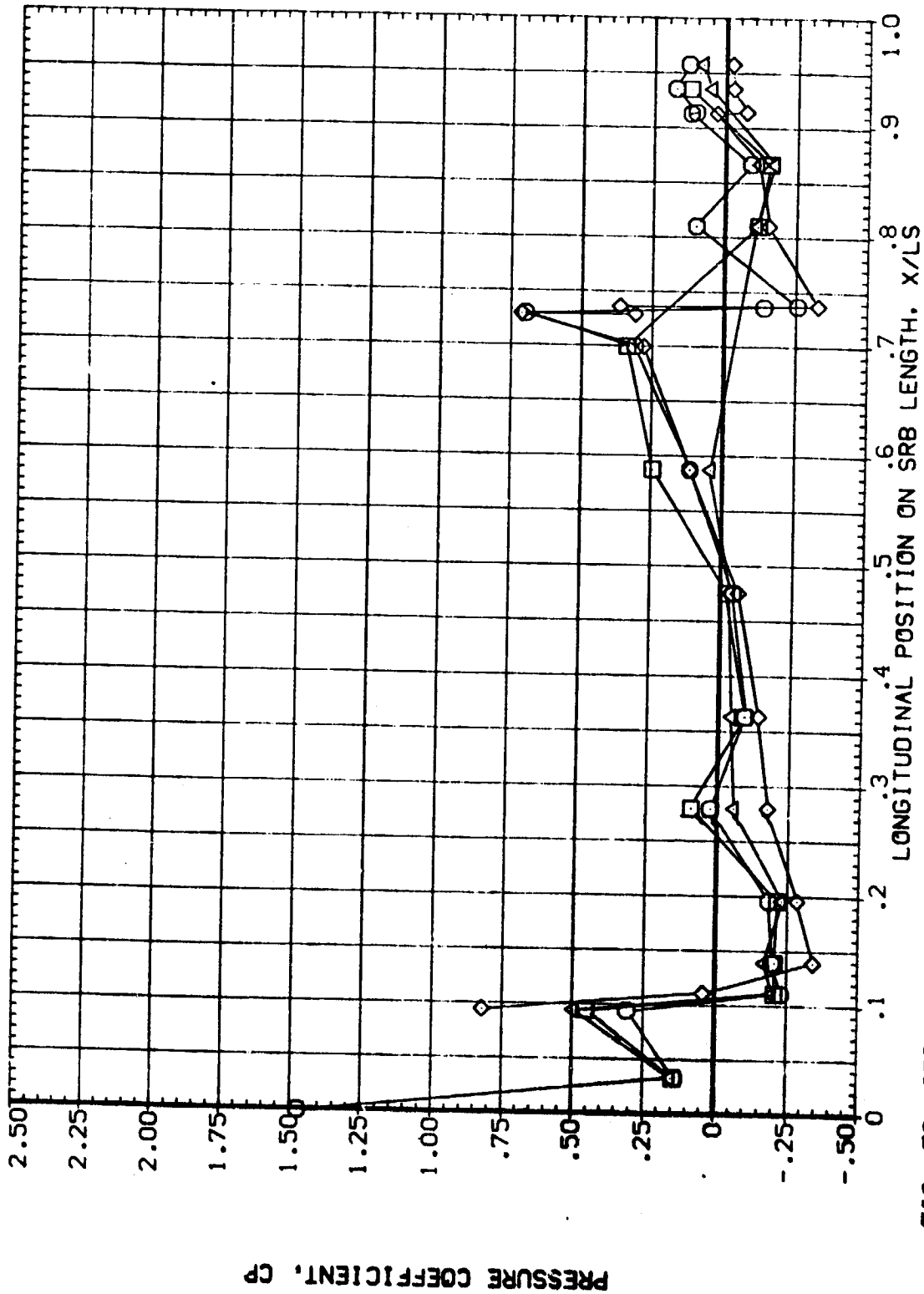


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○		.000	6.000	.000	MACH	1.550	RN/FT	2.500
◇		45.000			ELV-18	.000	ELV-08	.000
△		90.000			RUDDER	.000	SPDRK	.000
		135.000						

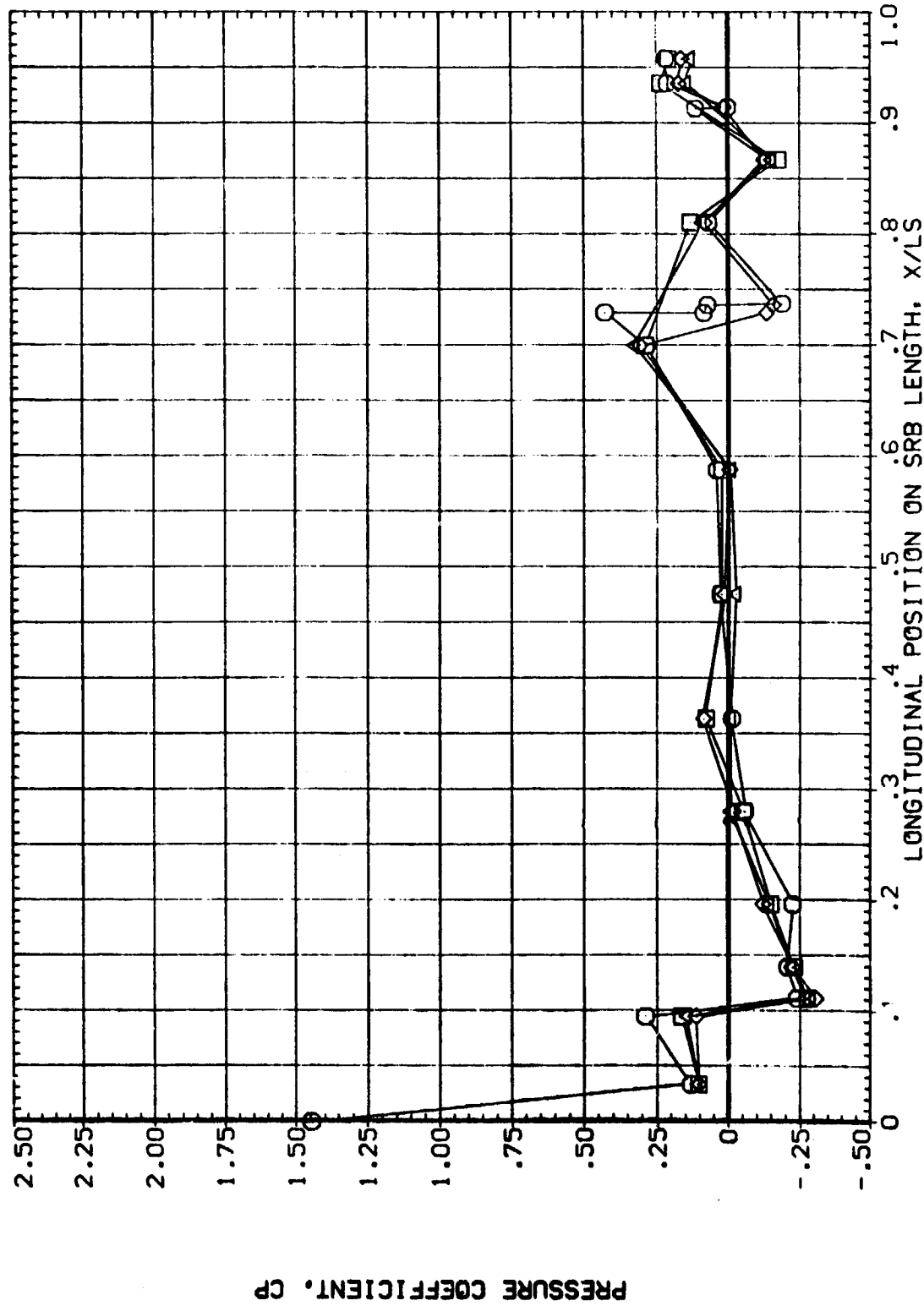


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
:80.000	6.000	.000	ELV-IB	1.550
:25.000			RUDDER	.000
:270.000				.000
:315.000				2.500
				.000
				.000

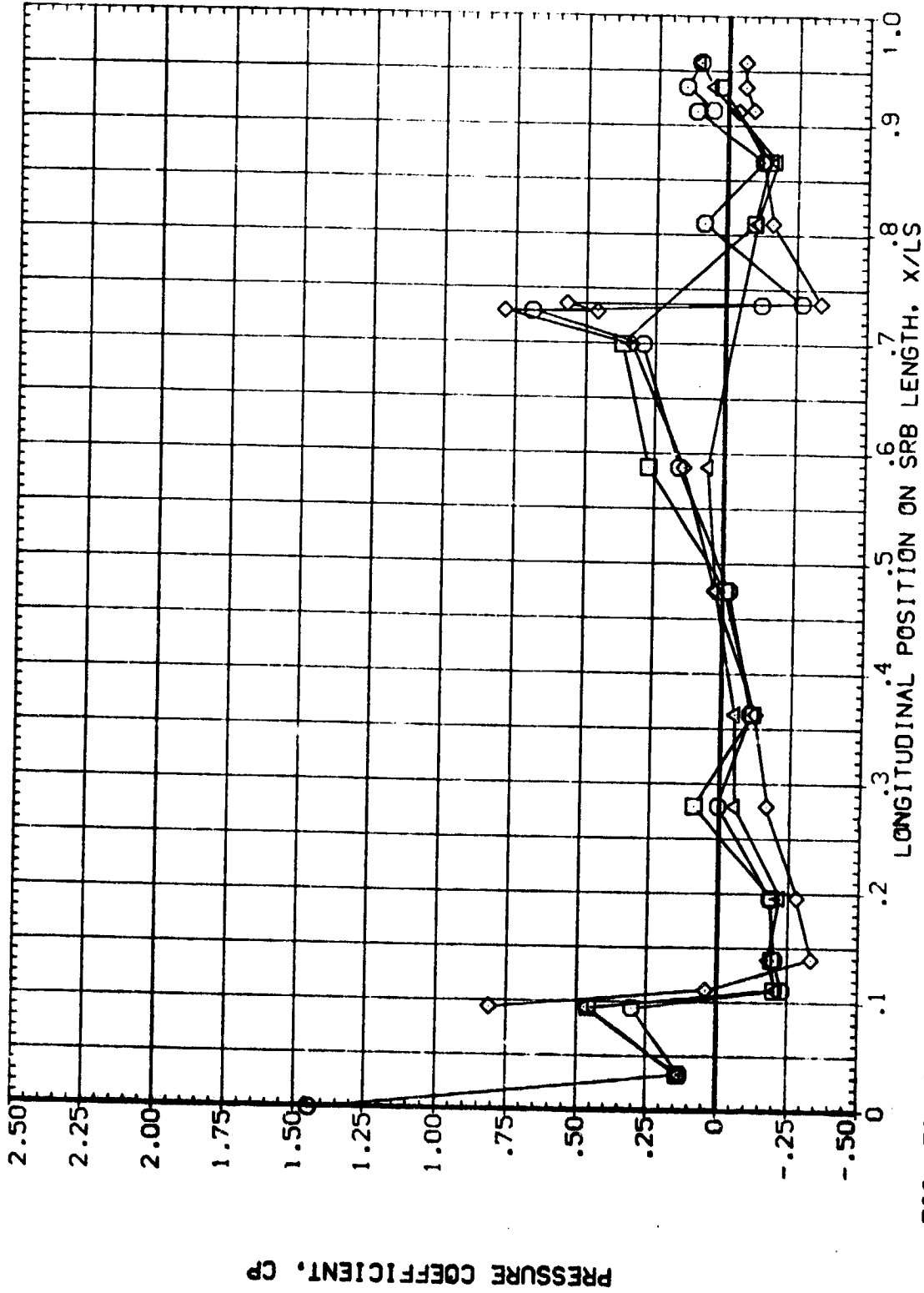


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-IB	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-OB	SPOBRK
○	.000	-4.000	4.000	1.550	.000	.000	1.550	.000	.000	.000
□	45.000			.000			.000			
◇	90.000			.000			.000			
△	:35.000									

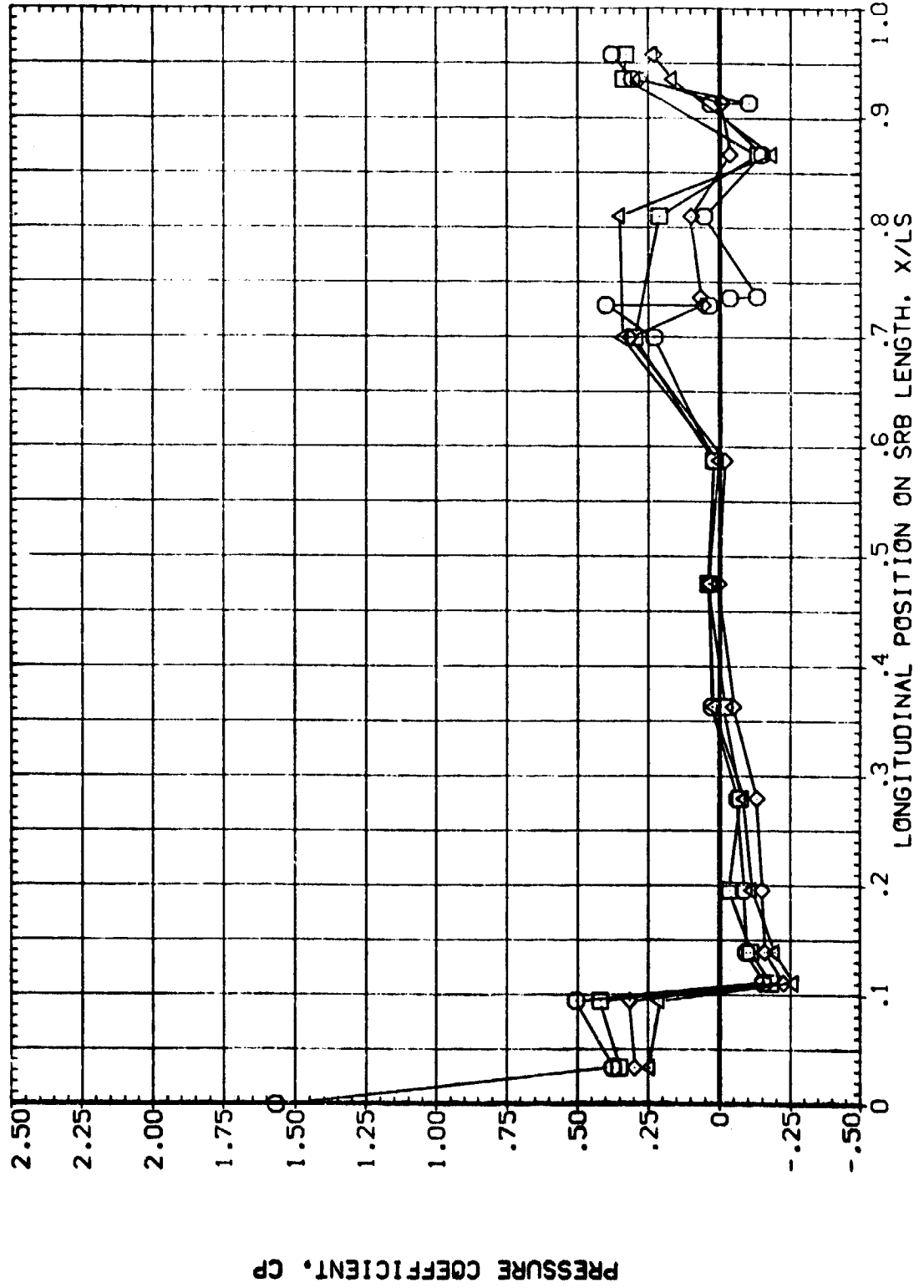


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BE'AL ALPHA
 □ :80.000 -4.000 4.000
 ○ :275.000
 ◇ :270.000
 △ :315.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELY-IB .000 ELY-OB .000
 RUDDER .000 SPDBRK .000

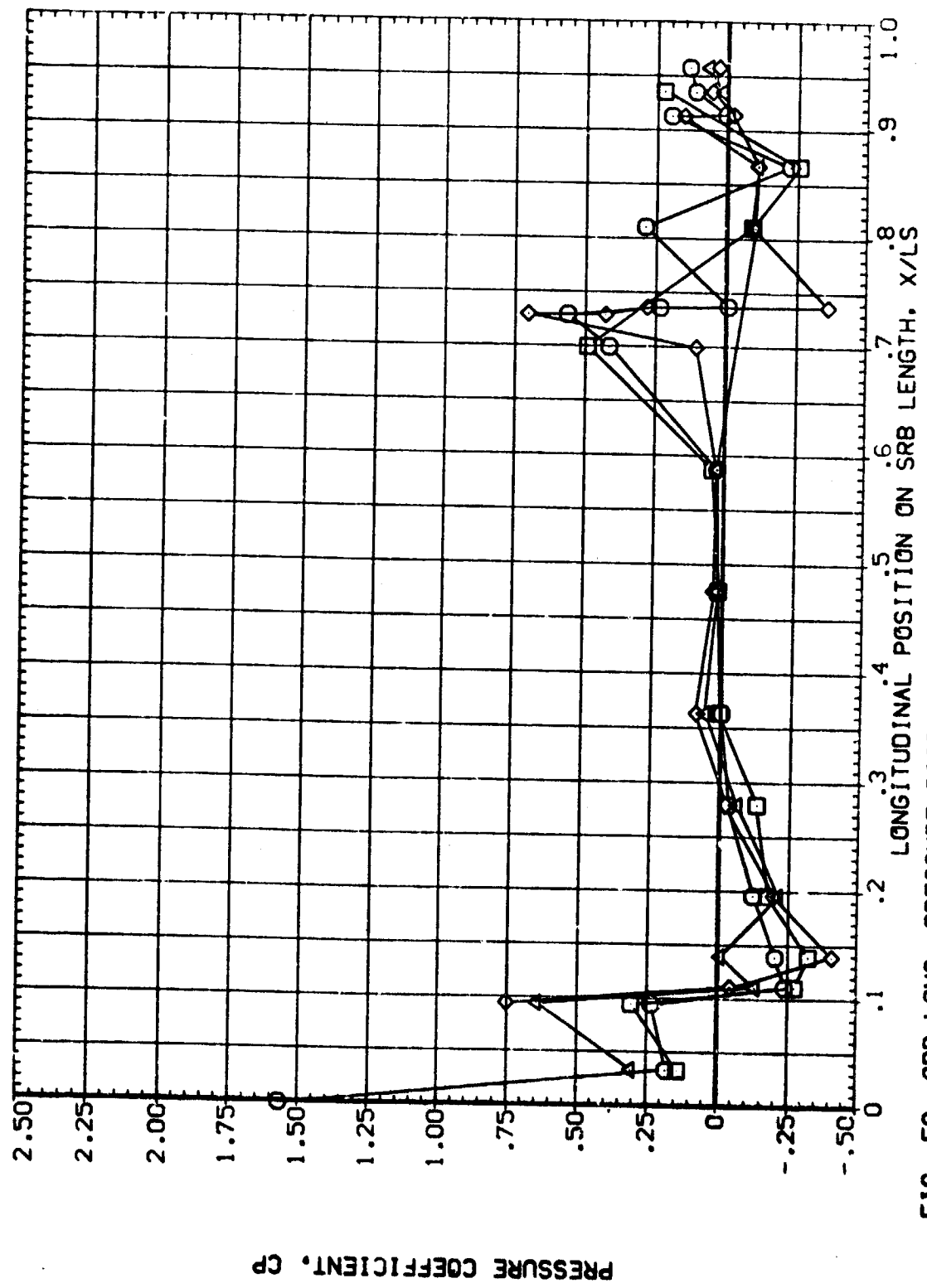


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 [A81 LVAP[ALLHL SEALED] SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
□	.000	.000	4.000	1.550	RN/FT 2.500
◇	45.000			.000	ELV-DB .000
△	90.000			.000	SPDBRK .000
	:35.000				

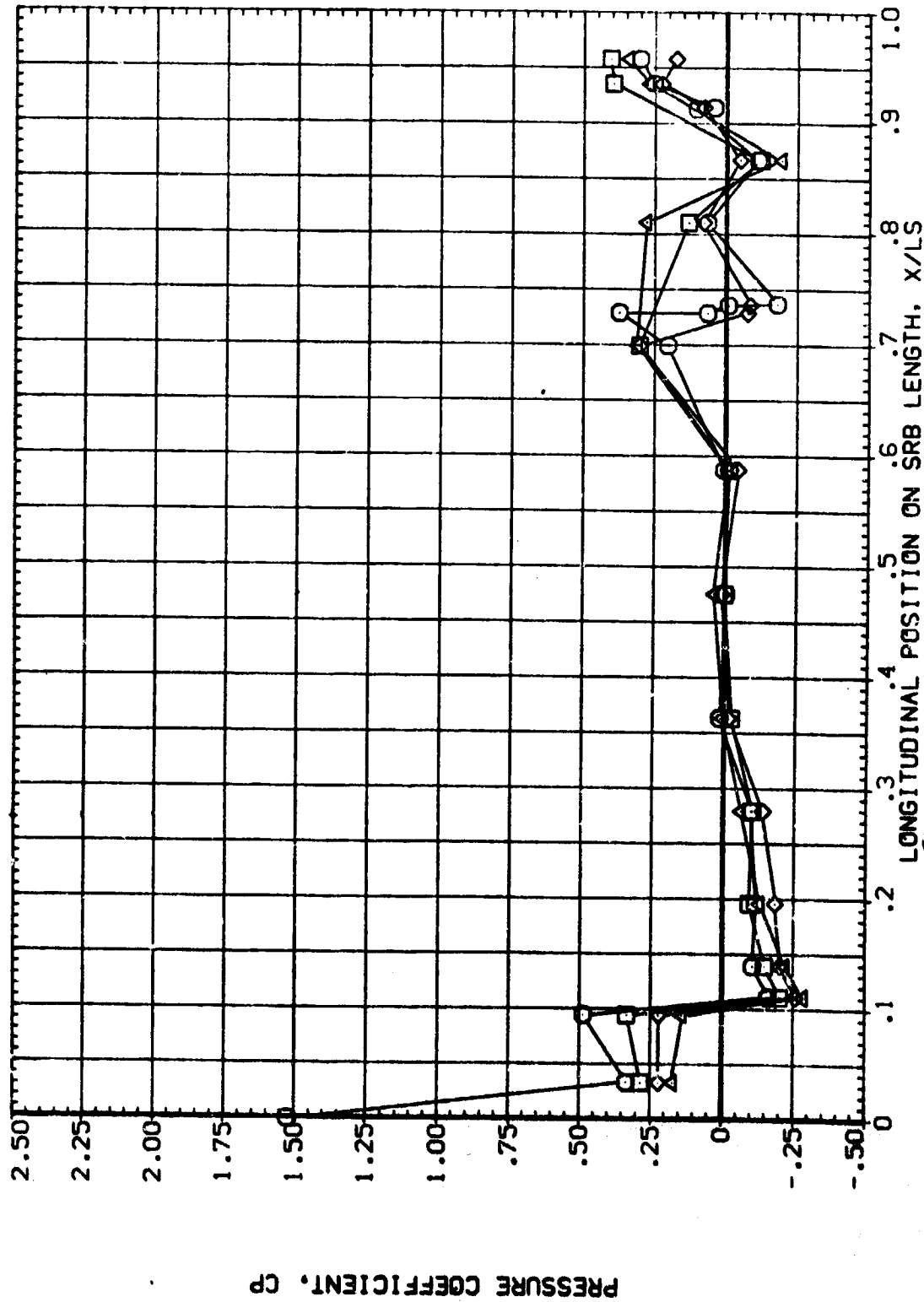


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAPCALLHL SEALED SRM BOOSTER (IETS39)

SYMBOL PHI BETA ALPHA
 □ 160.000 .000 4.000
 ◇ 225.000
 △ 270.000
 ▲ 315.000

MACH 1.550
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

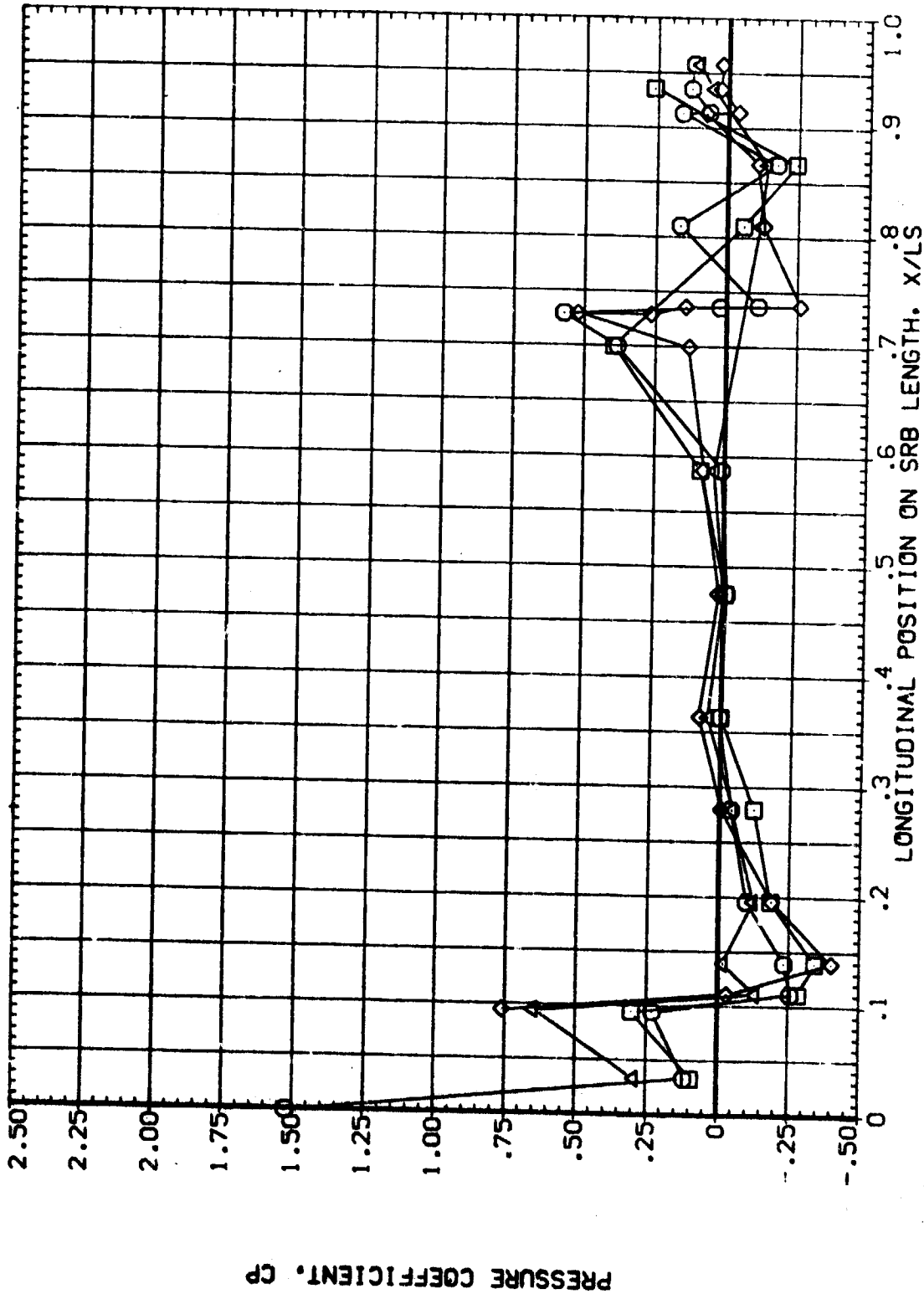


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPDBRK
○	.000	4.000	4.000	1.550	.000	.000	1.550	.000	.000	.000
□	45.000									
◇	90.000									
△	:35.000									

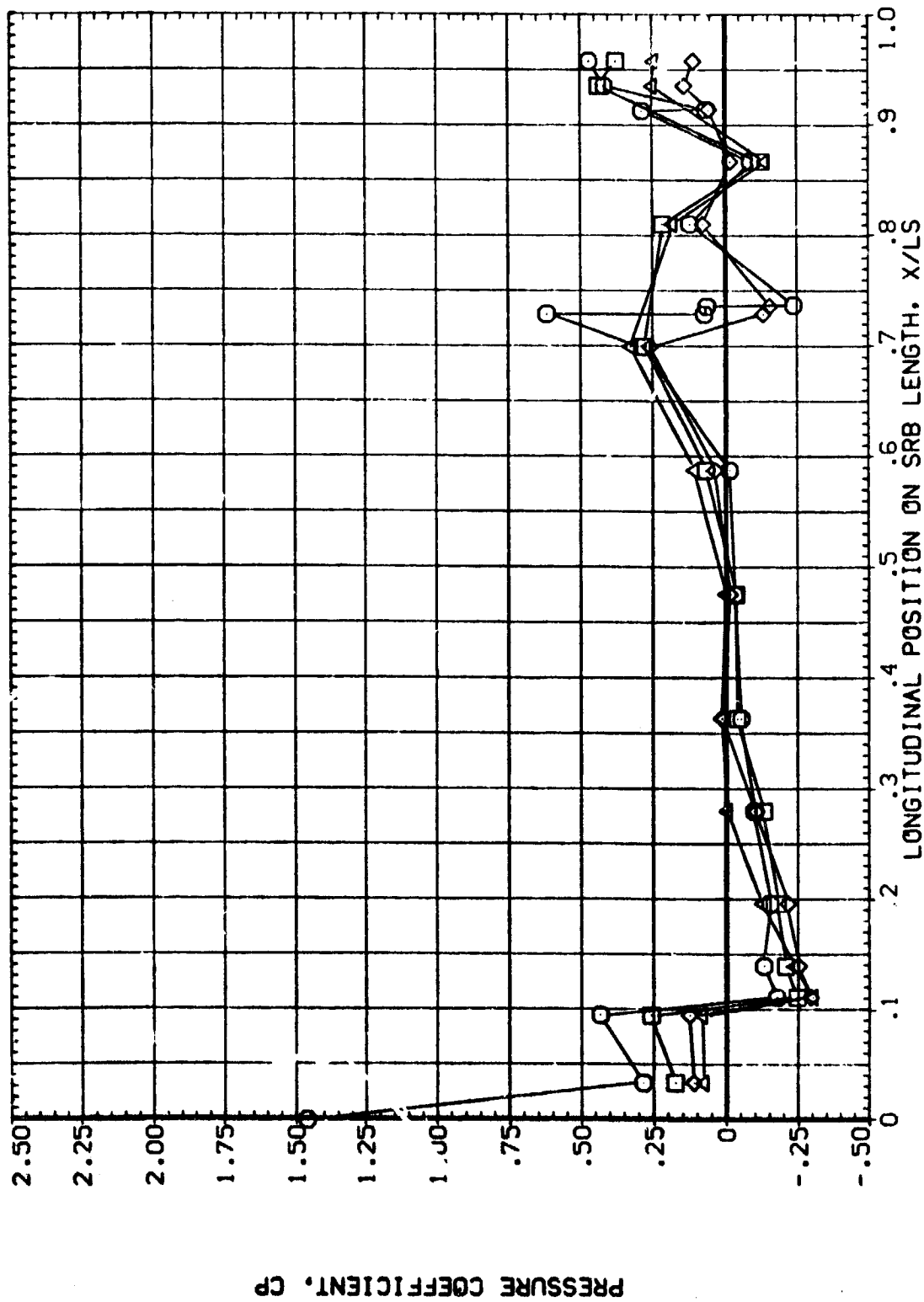


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
:80.000	4.000	4.000	ELV-1B	1.550
:25.000			RUDDER	.000
:270.000				RN/FT
:315.000				ELV-08
				SPOBRK
				.000
				.000

SYMBOL	PHI	BETAL	ALPHAL
○	:80.000	4.000	4.000
□	:25.000		
◇	:270.000		
△	:315.000		

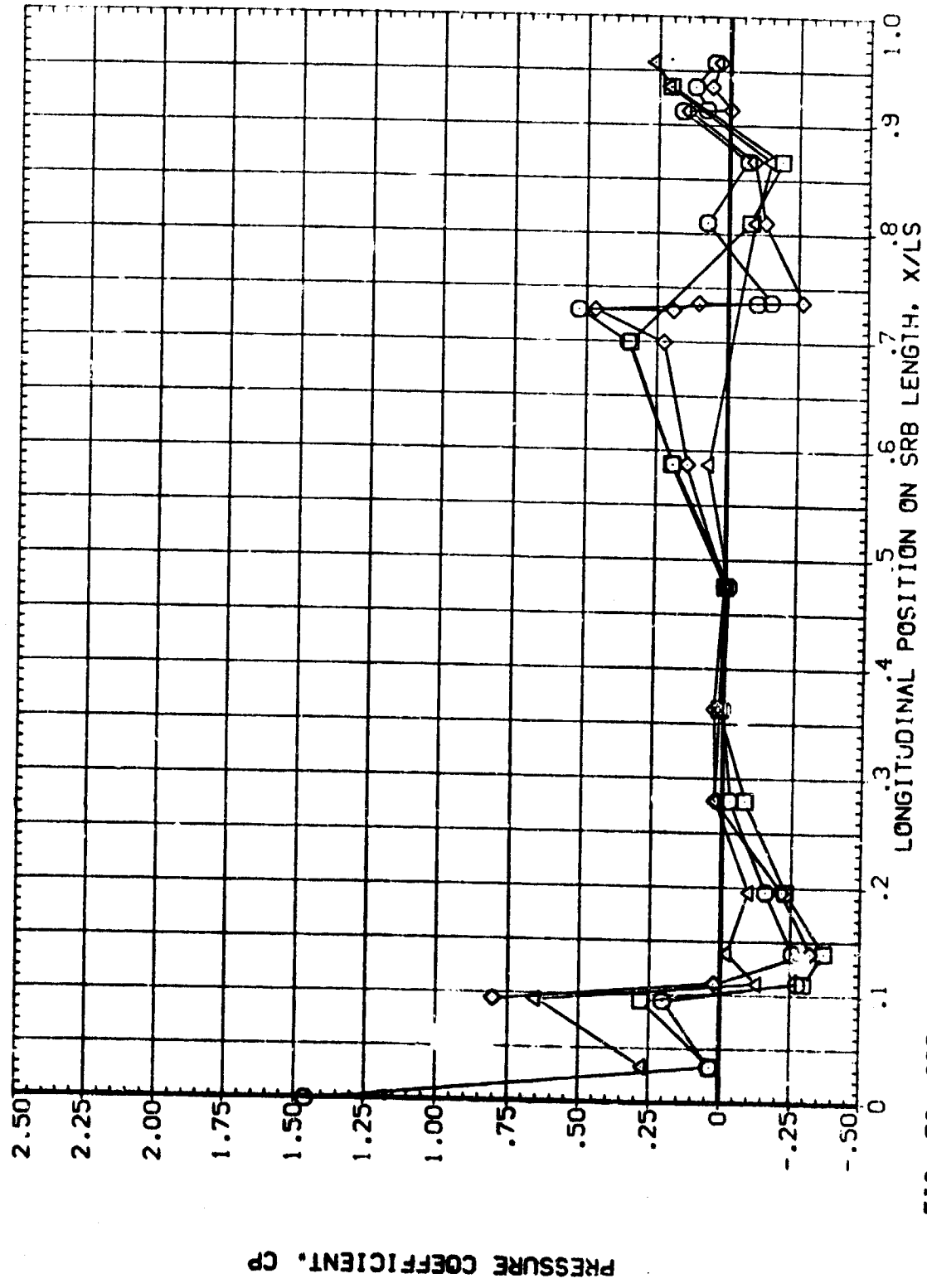


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
.000	.000	6.000	ELV-18	1.550
45.000			RUDDER	.000
90.000				RN/FT
:35.000				ELV-OB
				SPOBRK
				2.500
				.000
				.000

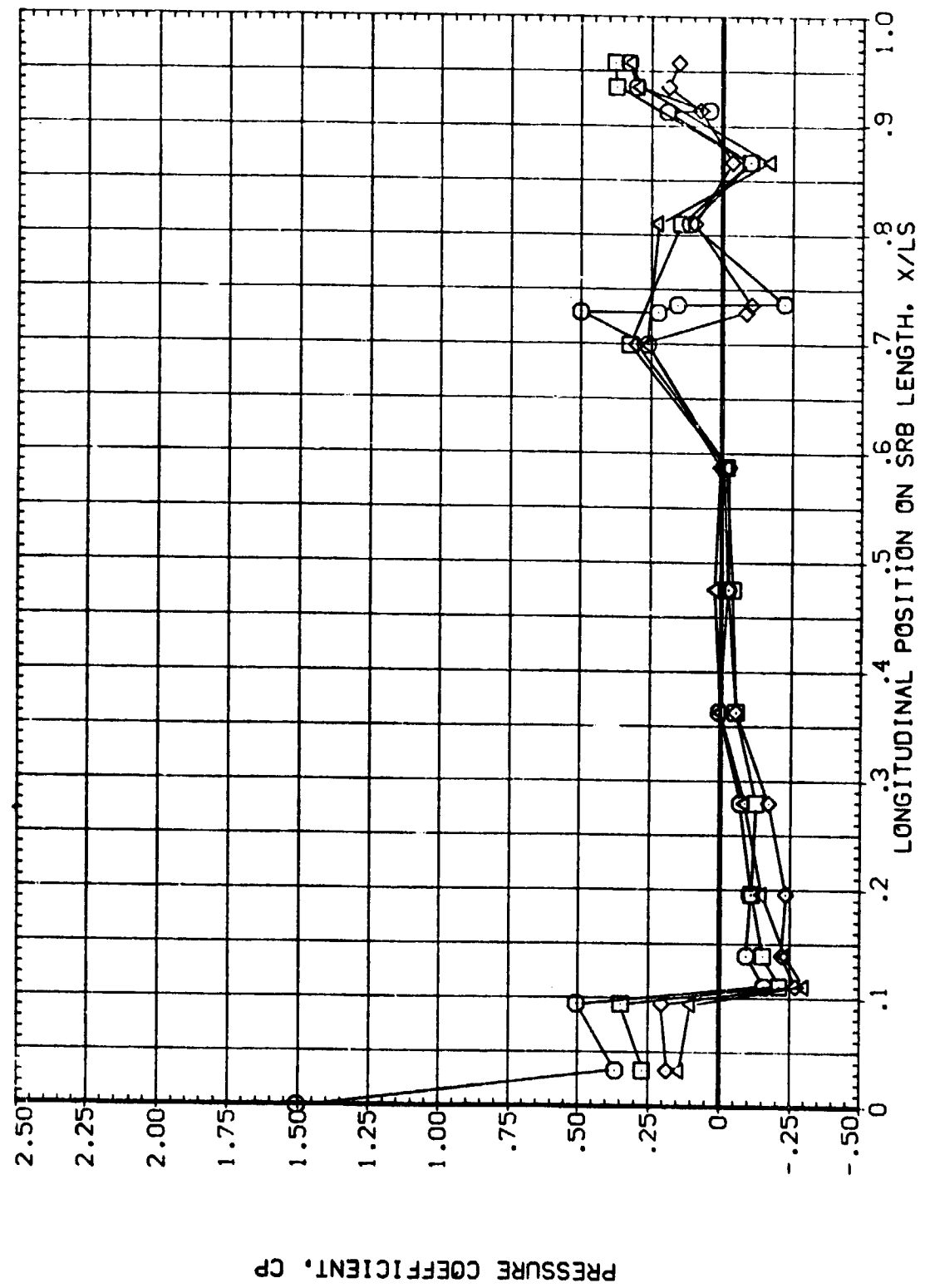


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS39)

SYMBOL PHI BETAL ALPHAL
 ○ 180.000 .000 6.000
 □ 225.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-18 .000 ELY-OB .000
 RUDDER .000 SPOBRK .000

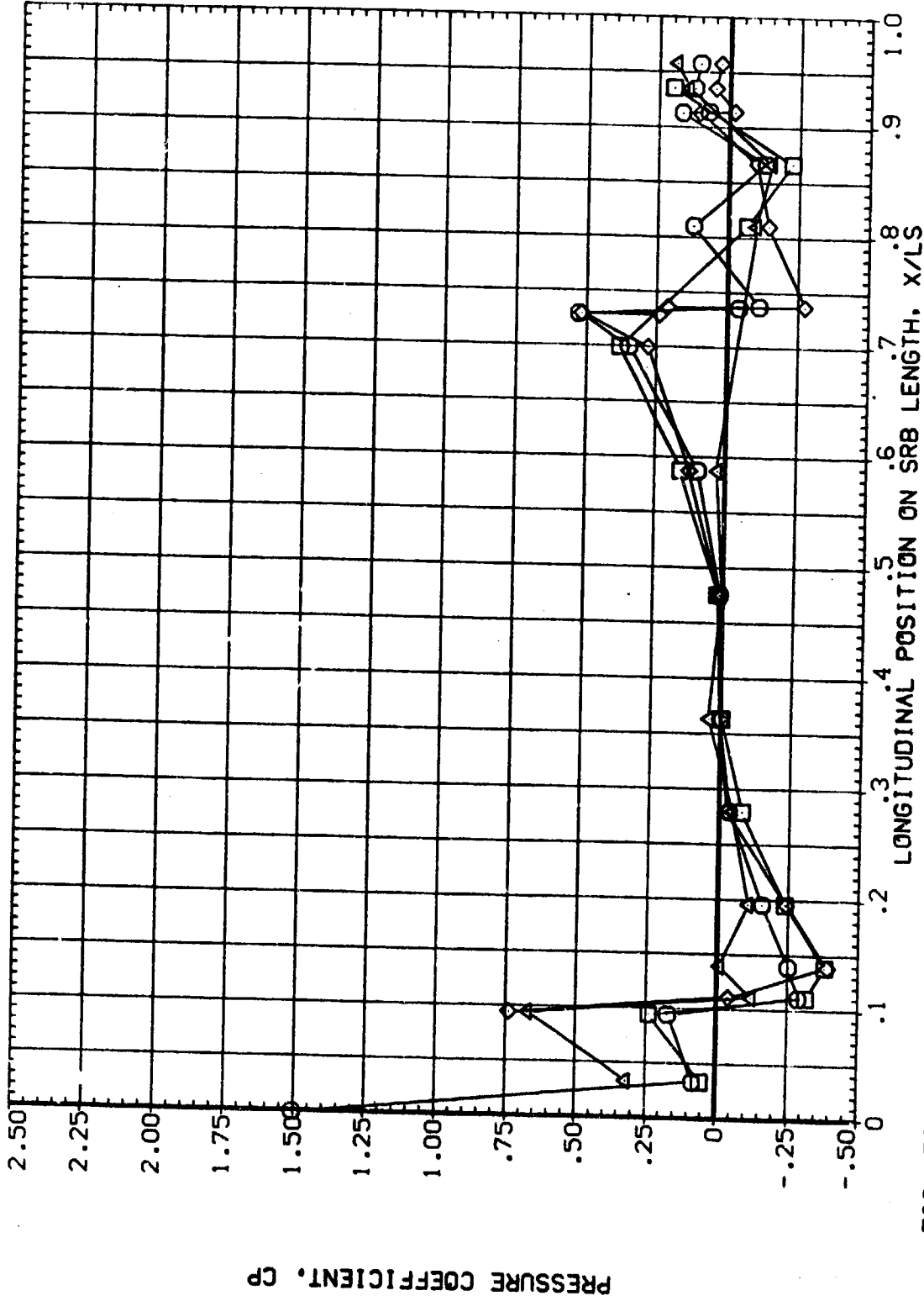


FIG. 53 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0 SPOBRK = 0, MACH = 1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-18	2.000 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPOBRK
△	:35.000				.000

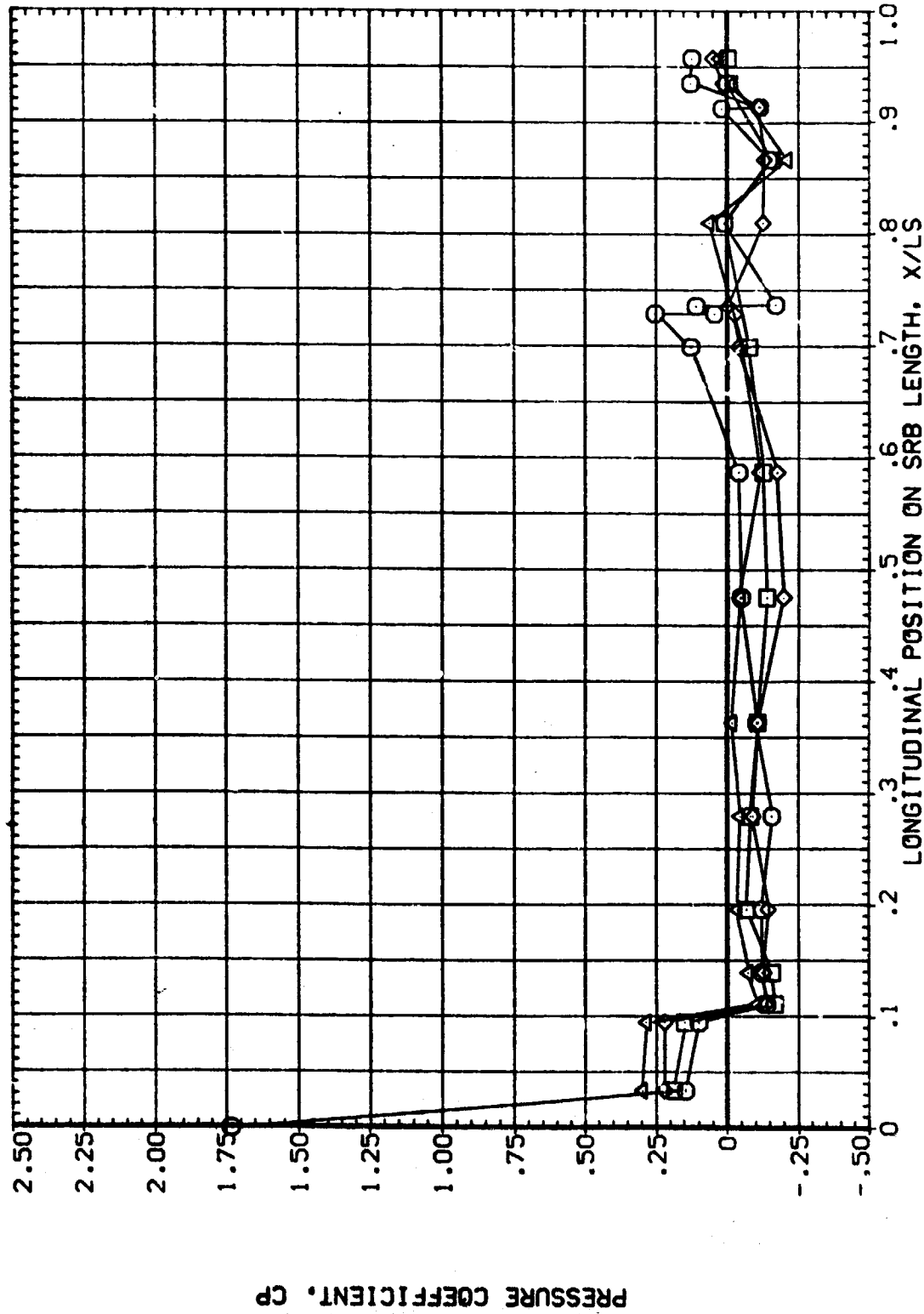


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:80.000	.000	-6.000	ELV-1B	2.000 RN/FT
□	:25.000			RUDDER	.000 ELV-08
◇	270.000				.000 SPDBRK
△	315.000				.000

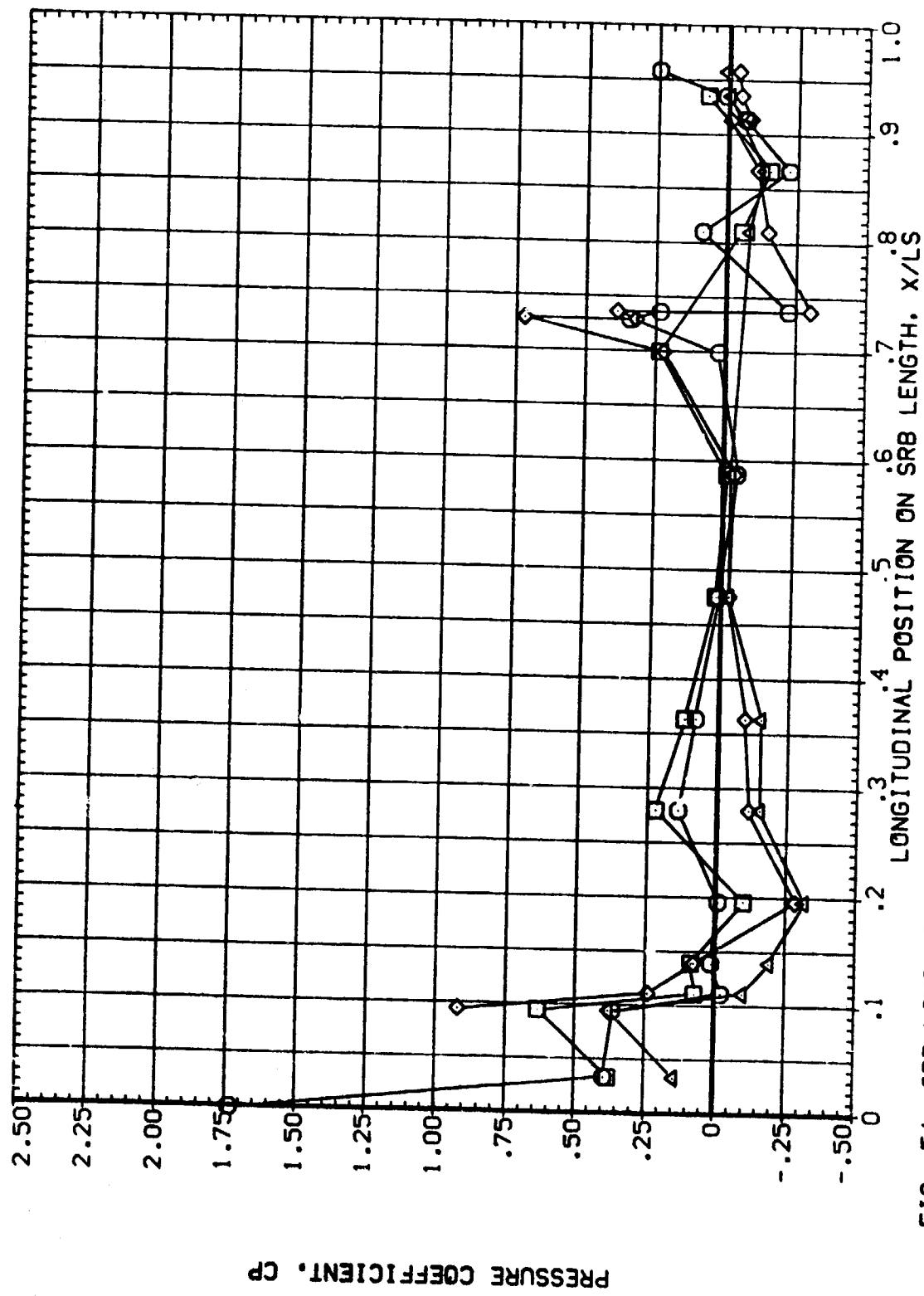


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	-4.000	ELV-1B	2.000 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPD8RK
△	135.000				.000

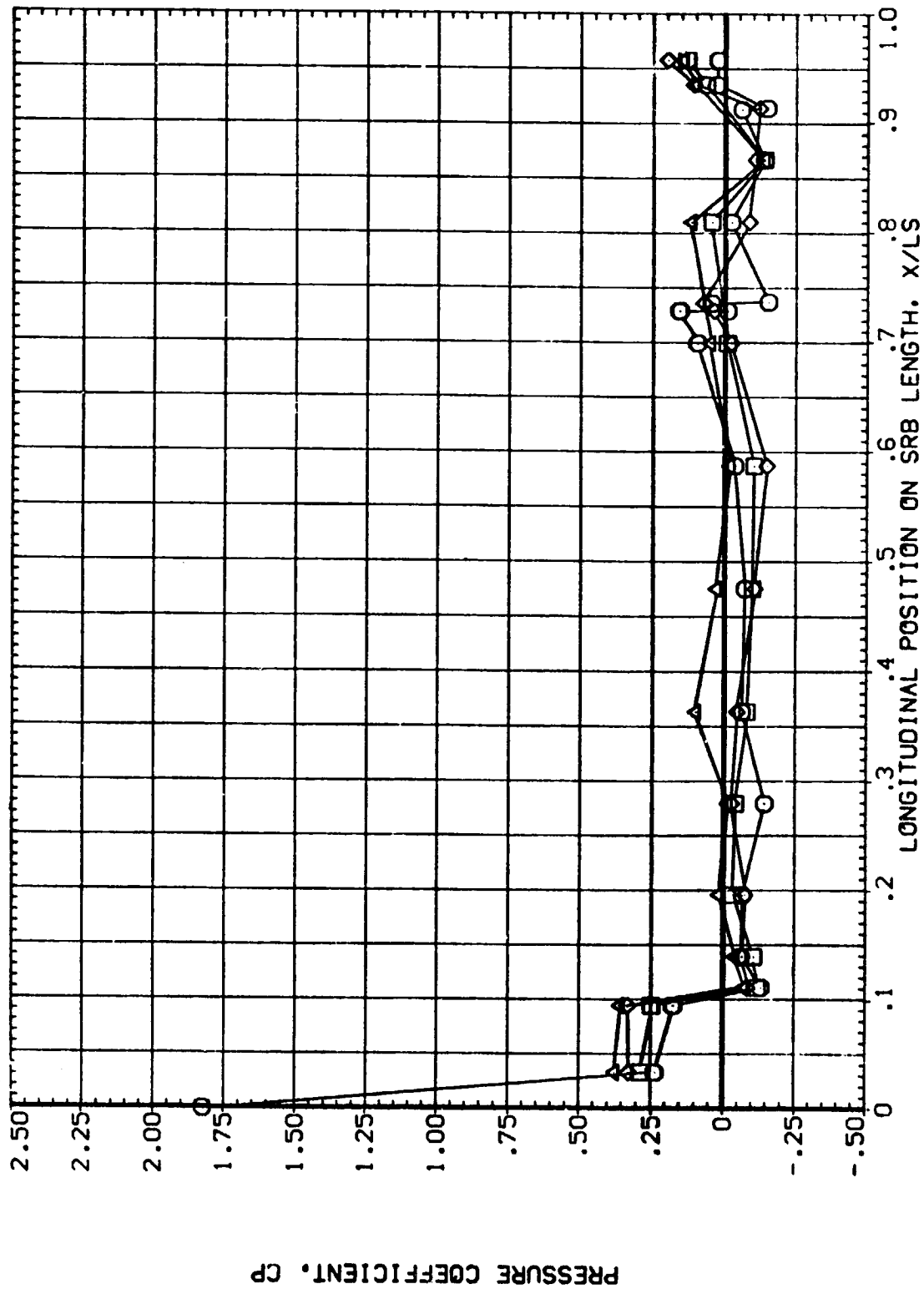


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI BETAL ALPHAL
 ○ :80.000
 □ :25.000
 ◇ 270.000
 △ 315.000

MACH
 ELV-1B
 RUDDER

PARAMETRIC VALUES
 2.000 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPOBRK .000

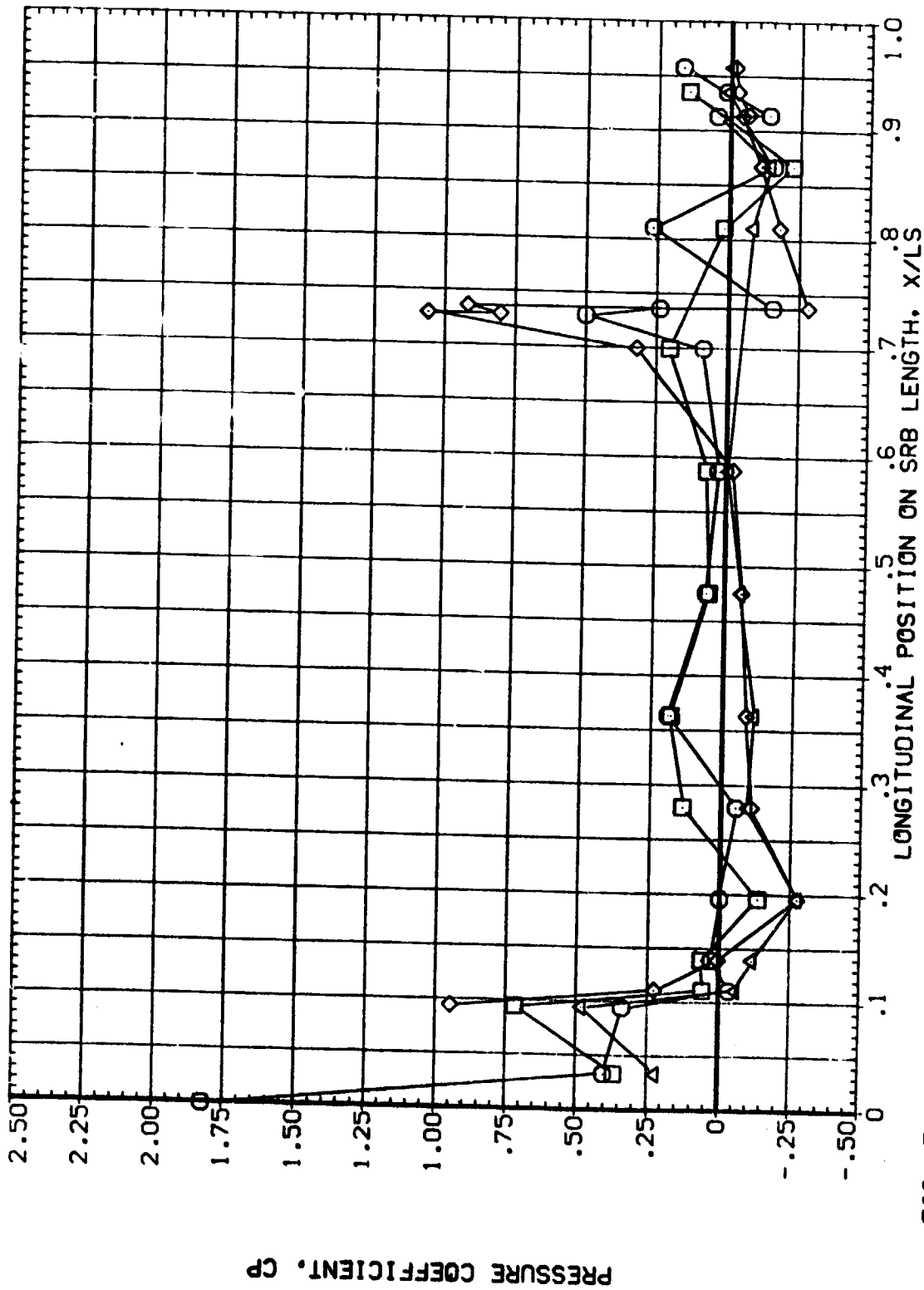


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
.000	.000	-4.000	ELV-1B	2.000
45.000			RUDDER	.000
90.000				ELV-OB
:35.000				SPDBRK
				2.500
				.000
				.000

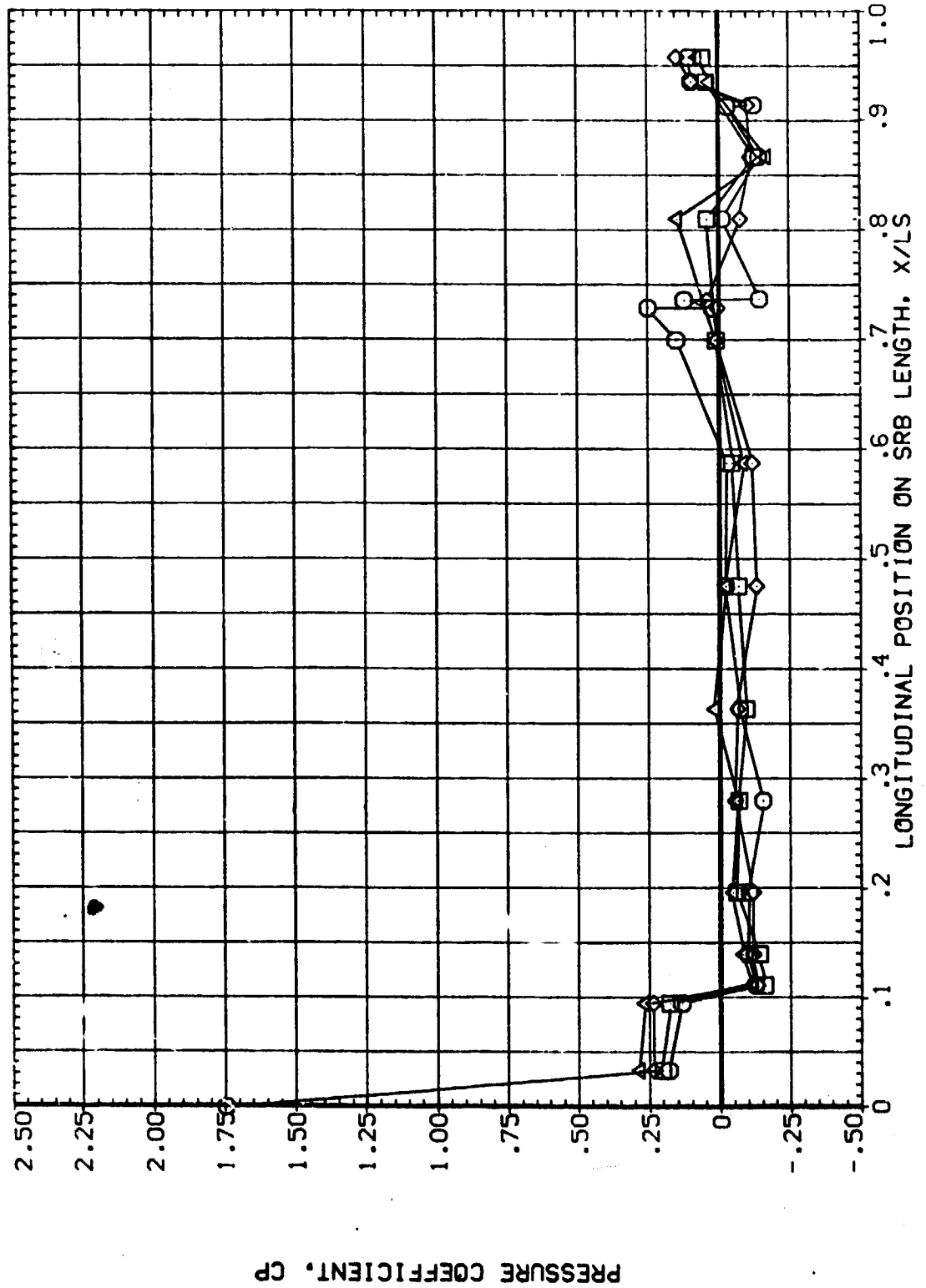


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PMI BETAL ALPHA
 ○ .80.000 .000 -4.000
 □ 225.000
 △ 270.000
 ◇ 315.000

MACH ELV-18 RUDDER
 2.000 .000 .000
 PARAMETRIC VALUES RN/FT 2.500 SPDBRK .000

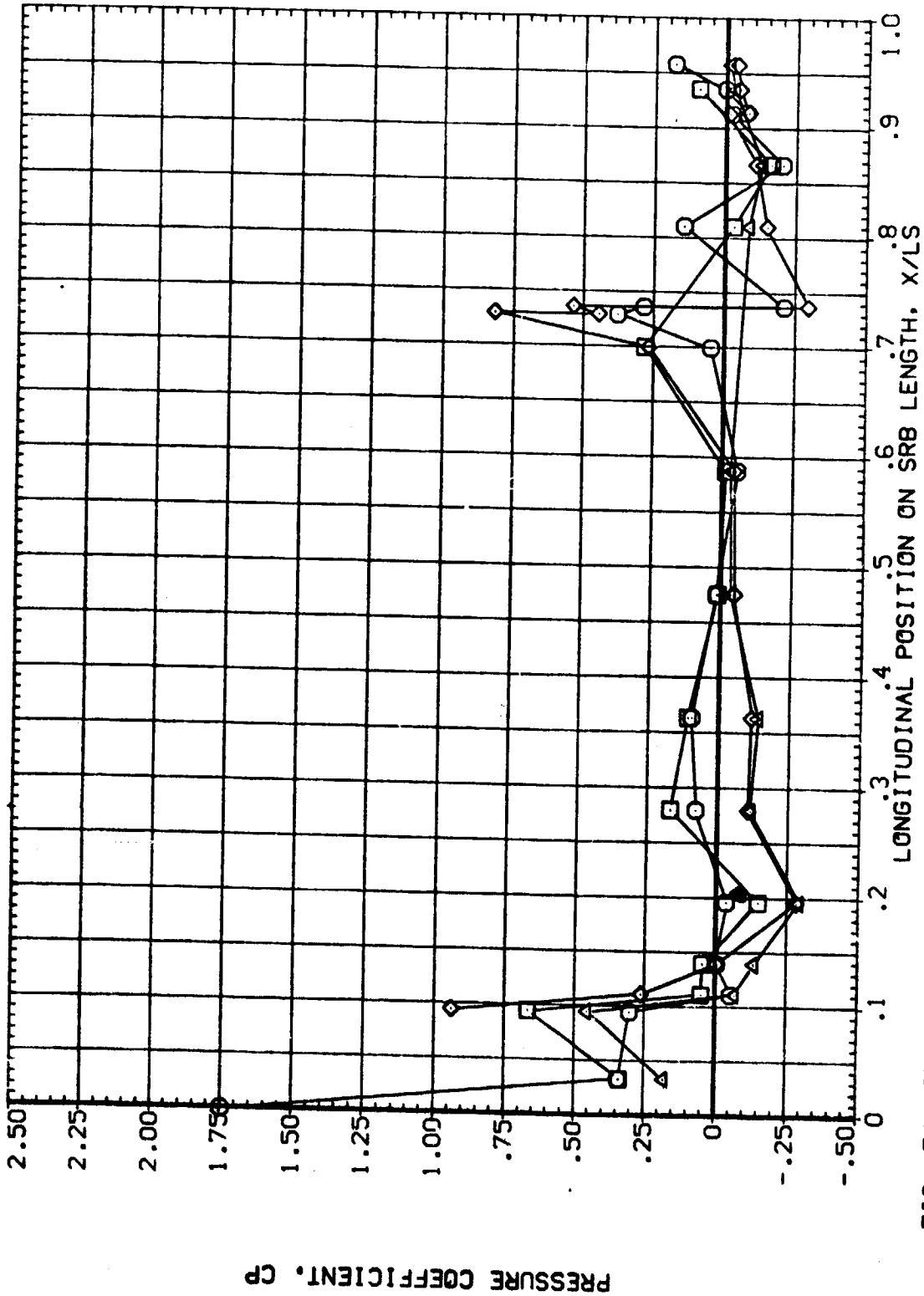


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.0000	-4.000	ELV-18	2.000 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPDBRK
△	:35.000				.000

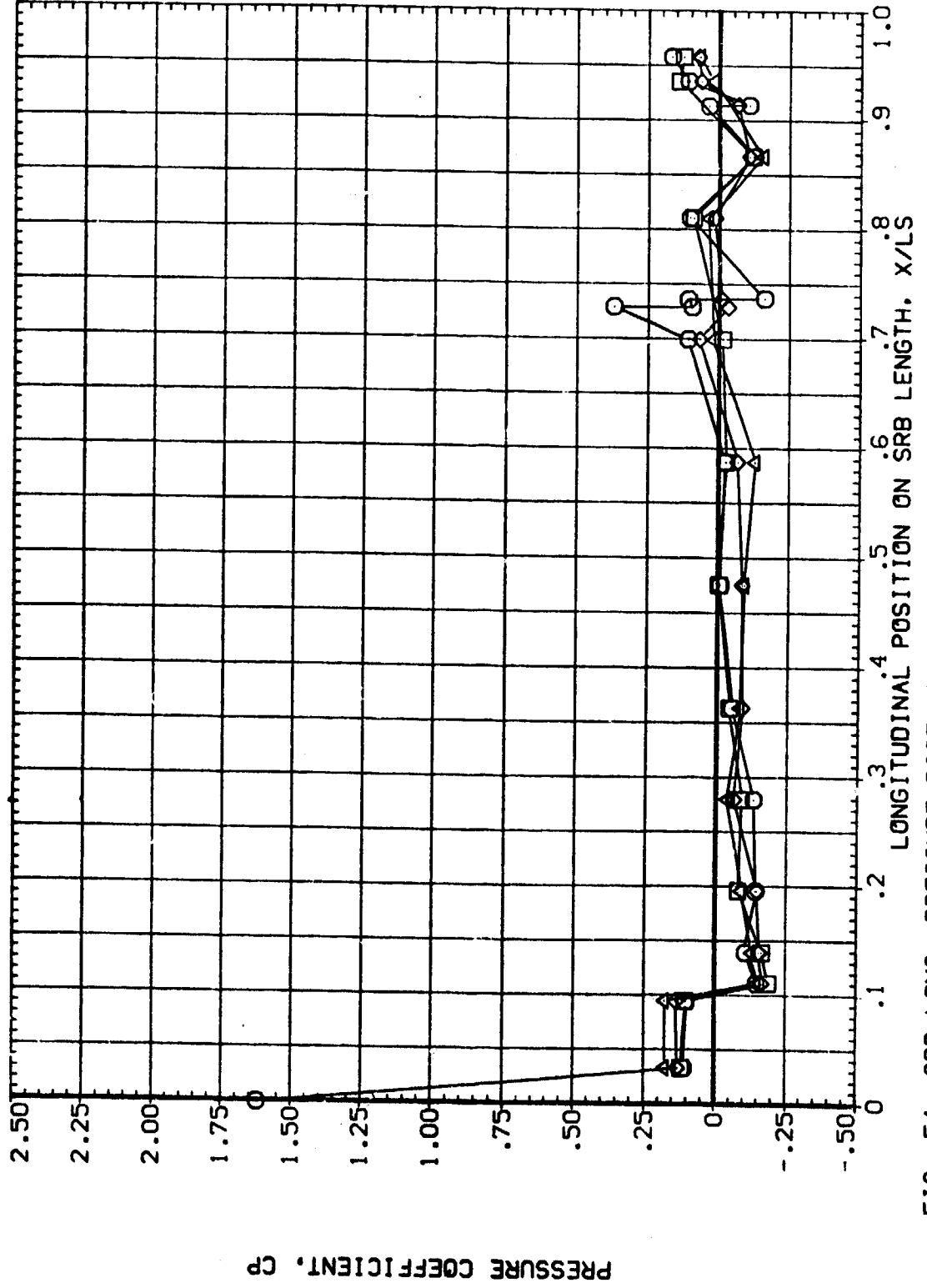


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.80.000	4.000	-4.000	ELV-18	2.000 RN/FT
□	.25.000			RUDDER	.000 ELV-DB
◇	.270.000				.000 SPOBRK
△	.315.000				.000

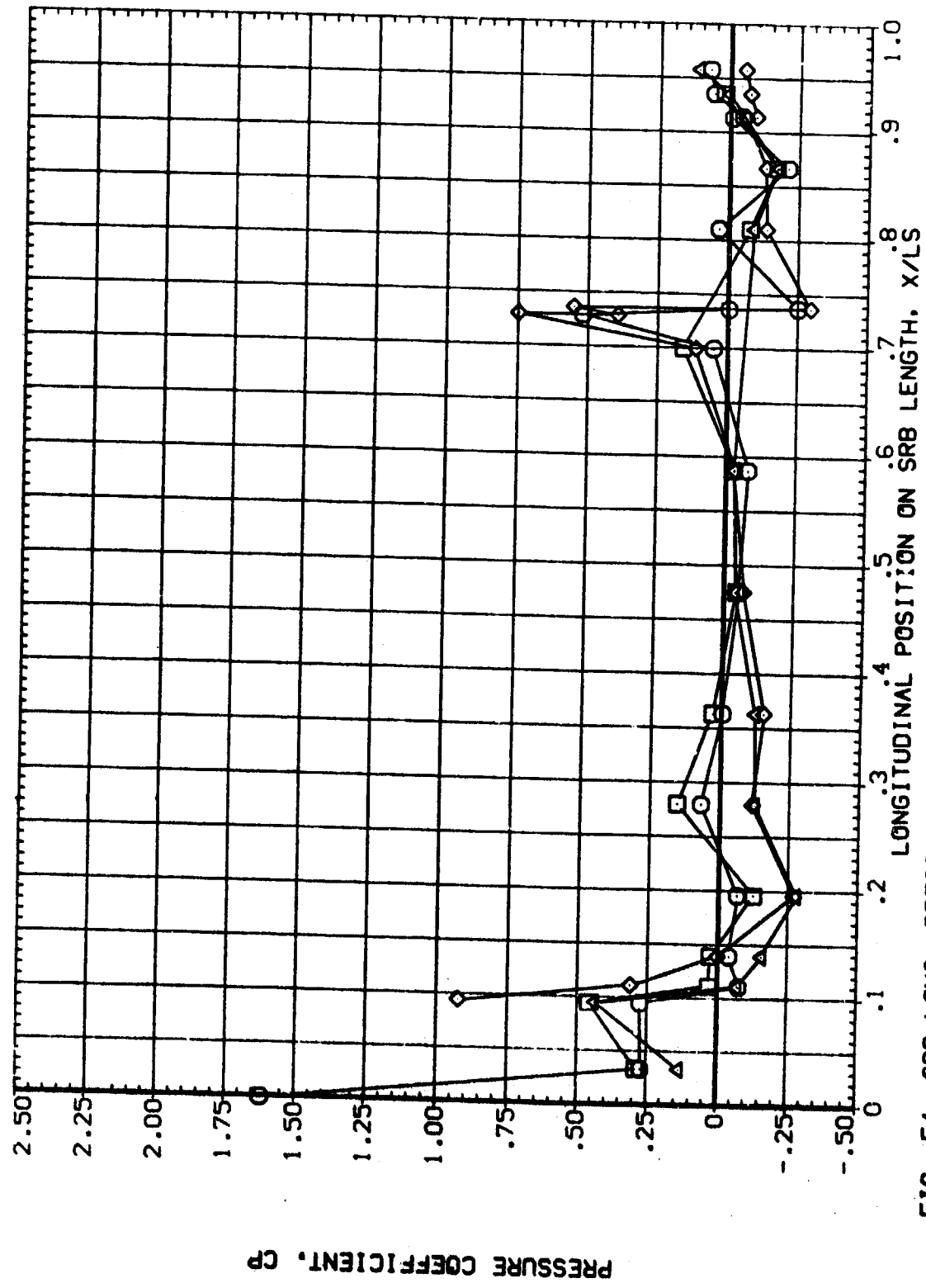


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

PARAMETRIC VALUES	
MACH	2.000
ELV-10	.000
RUDDER	.000
ELV-08	.000
SPOBRK	.000
RN/FT	2.500
ELV-09	.000
SPOBRK	.000

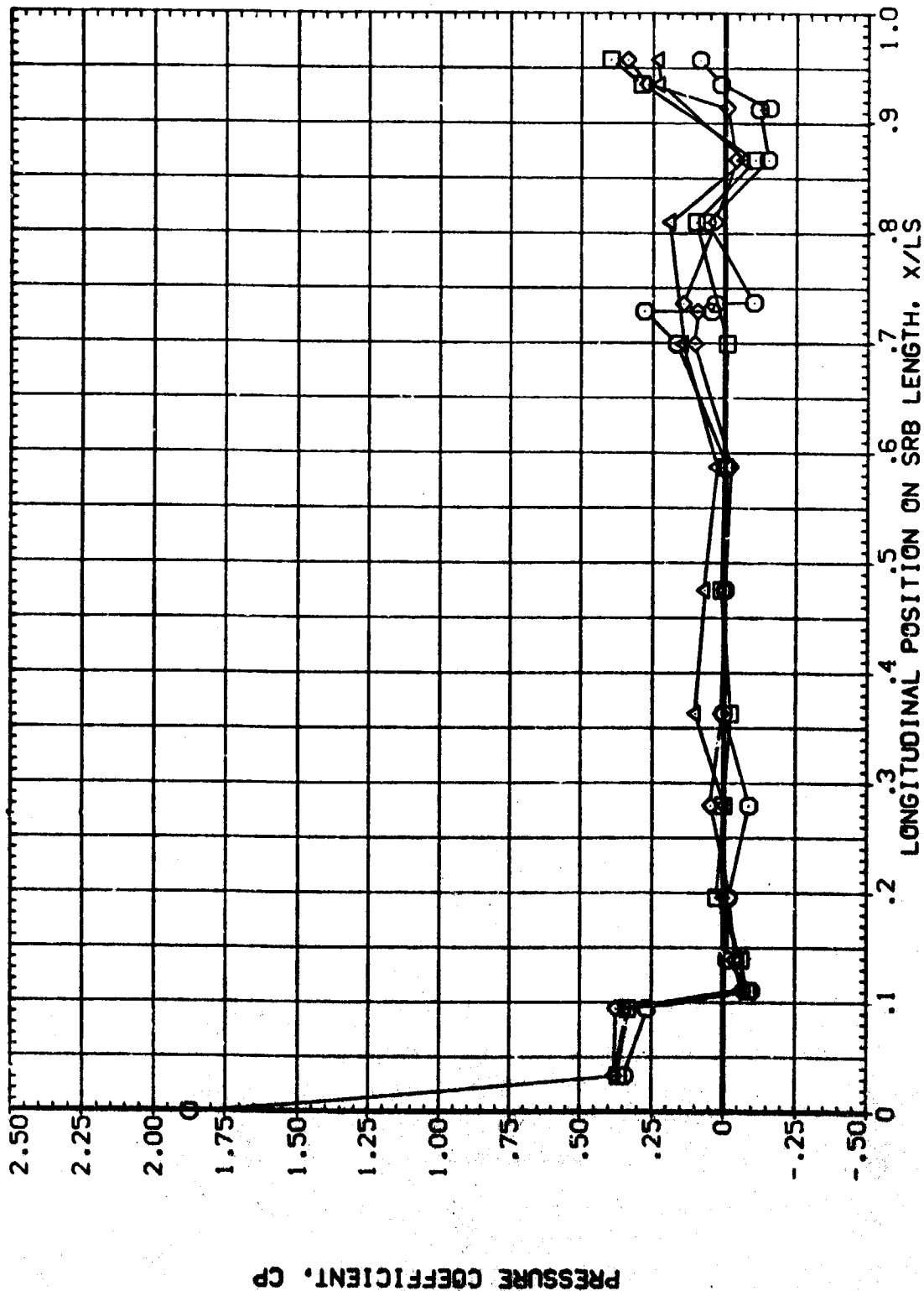


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON 1/0 = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL (PHI) BETAL ALPHA
 ○ 60.000 .000
 □ 225.000 .000
 △ 270.000 .000
 ◇ 315.000 .000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELY-1B .000 ELV-08 .000
 RUDDER .000 SPOBRK .000

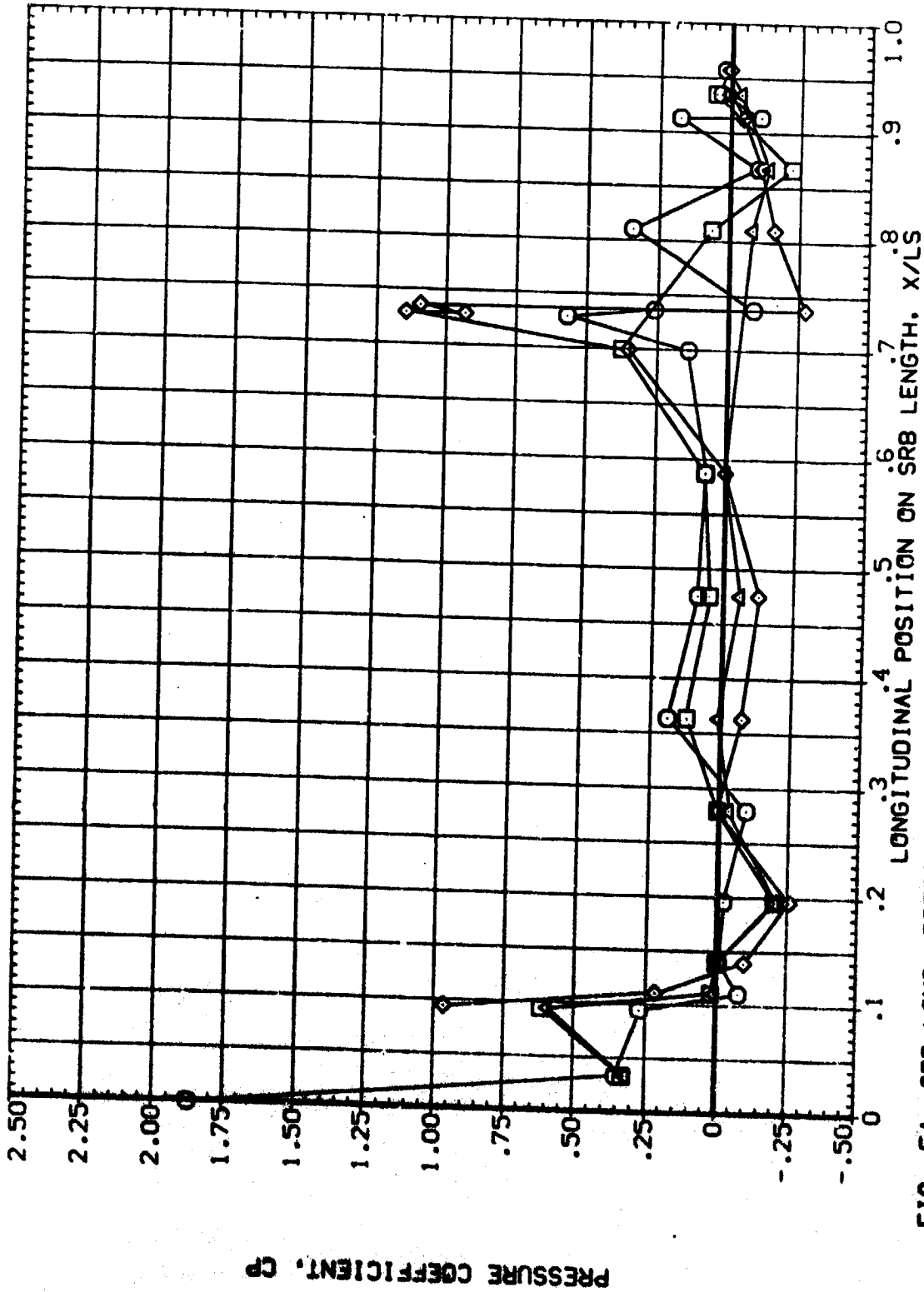


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	RN/FT	PARAMETRIC VALUES
○	.000	-4.000	.000	ELV-18	2.000	2.500
□	45.000			RUDDER	.000	.000
◇	90.000				.000	ELV-08
△	:35.000					SPOBRK

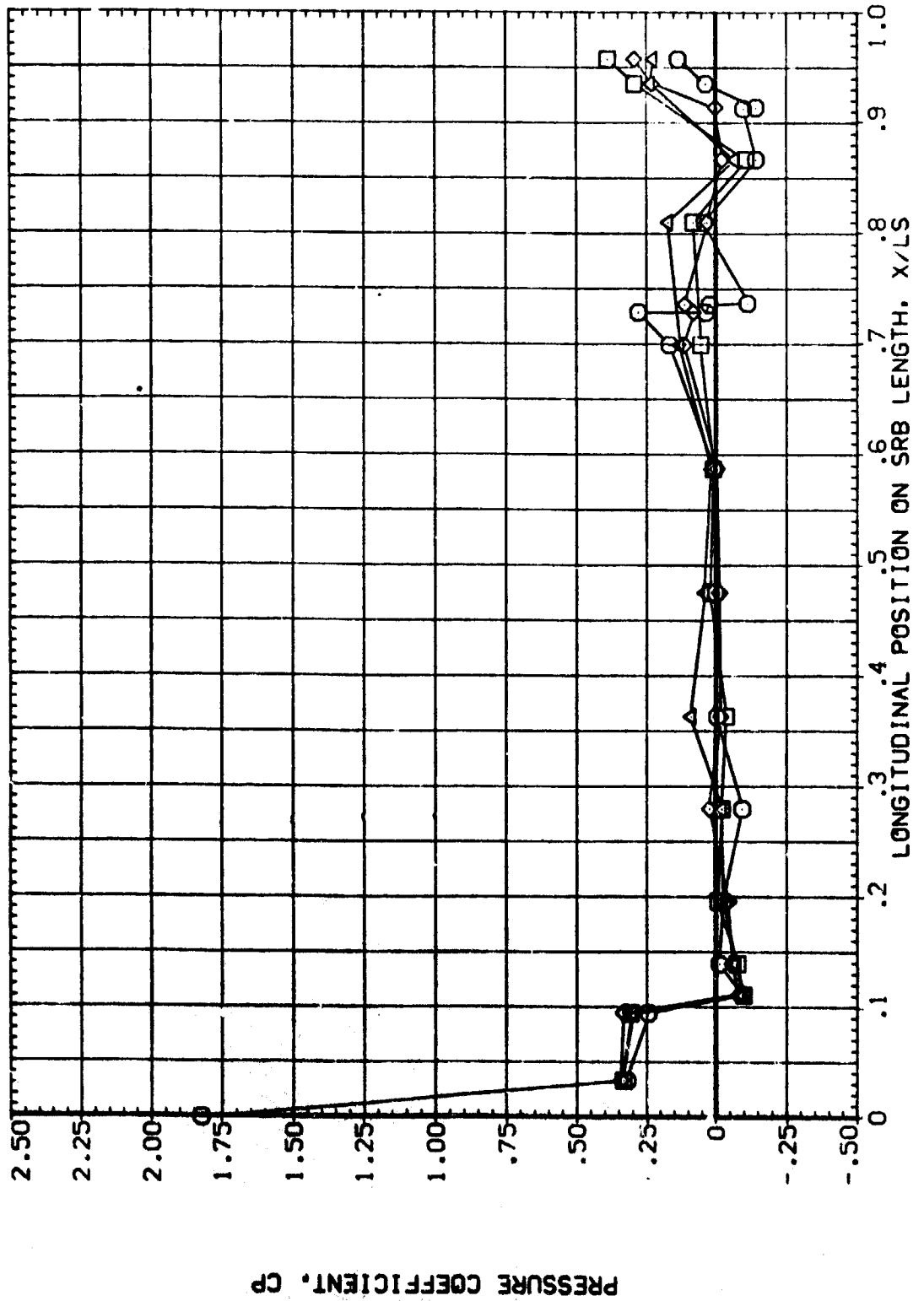


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI SETAL ALPHAL
 O 90.000 .000
 □ 225.000
 △ 270.000
 ◇ 315.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-OB .000 ELY-OB .000
 RUDDER .000 SPOBRK .000

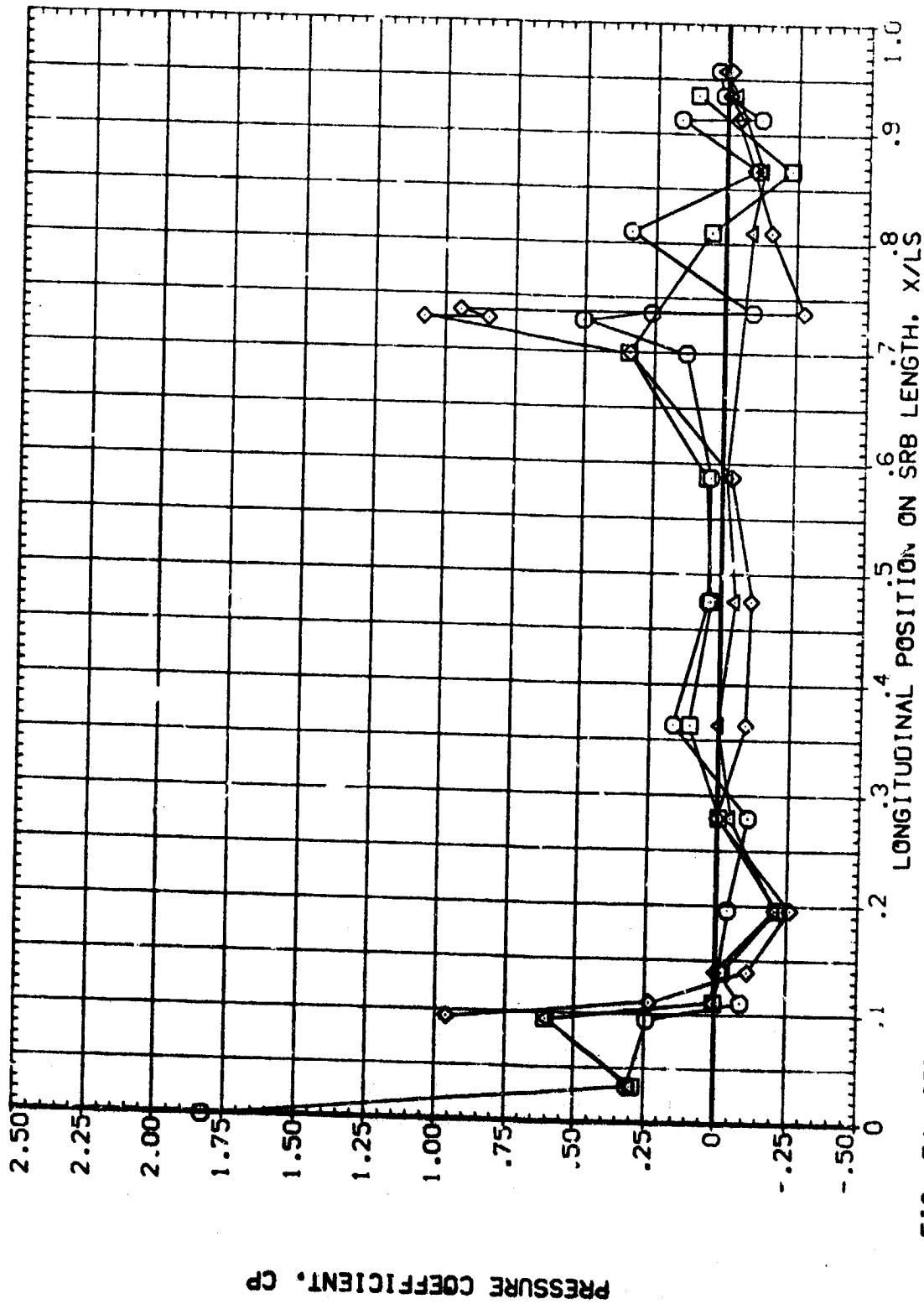


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
.000	.000	.000	ELV-18	2.000 RN/FT
45.000			RUDDER	.000 ELY-OB
90.000				.000 SPOBRK
:35.000				.000

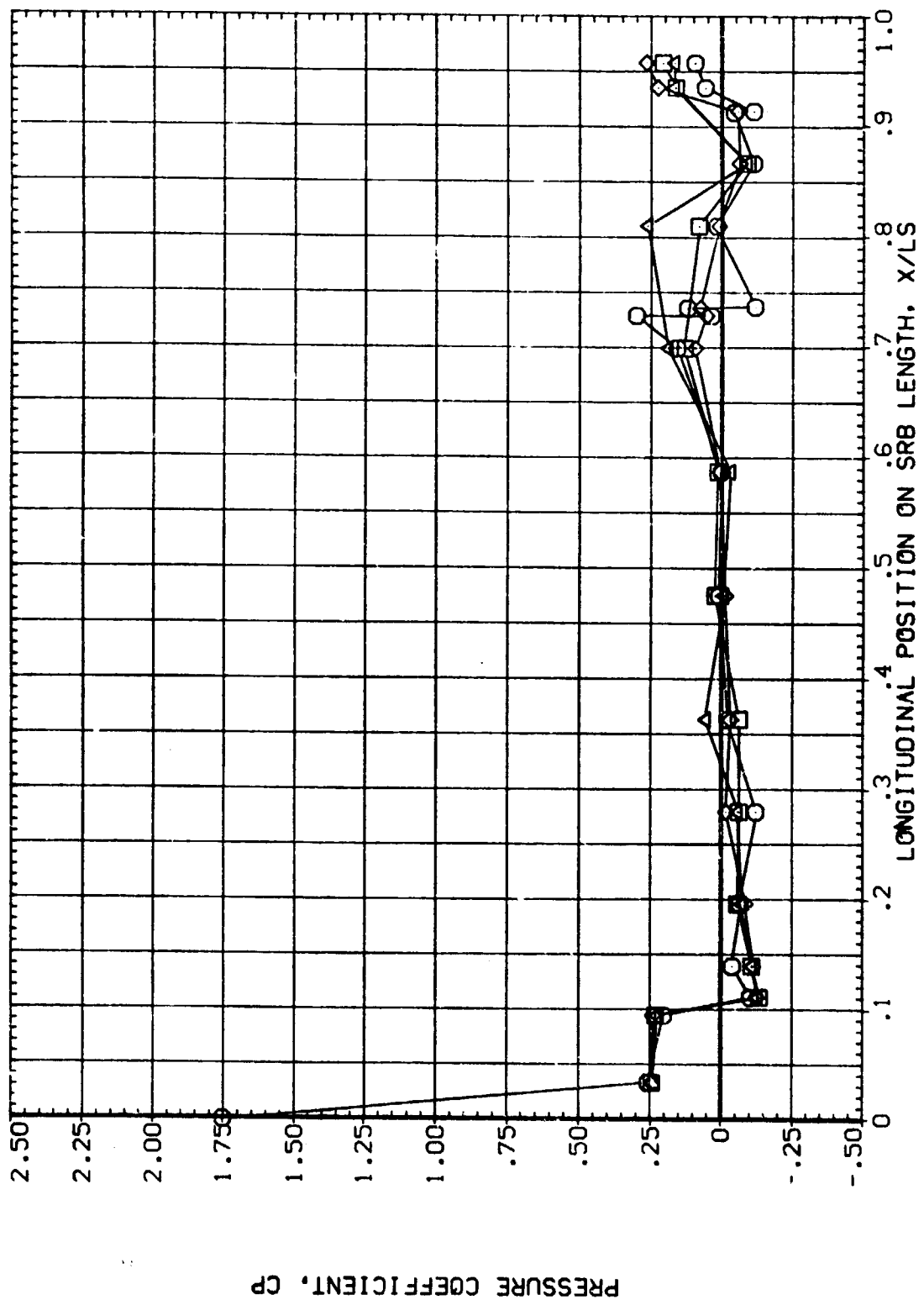


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	180.000	.000	.000	ELV-18	2.000 RN/FT
□	225.000			RUDDER	.000 ELV-08
◇	270.000				.000 SPOBRK
△	315.000				

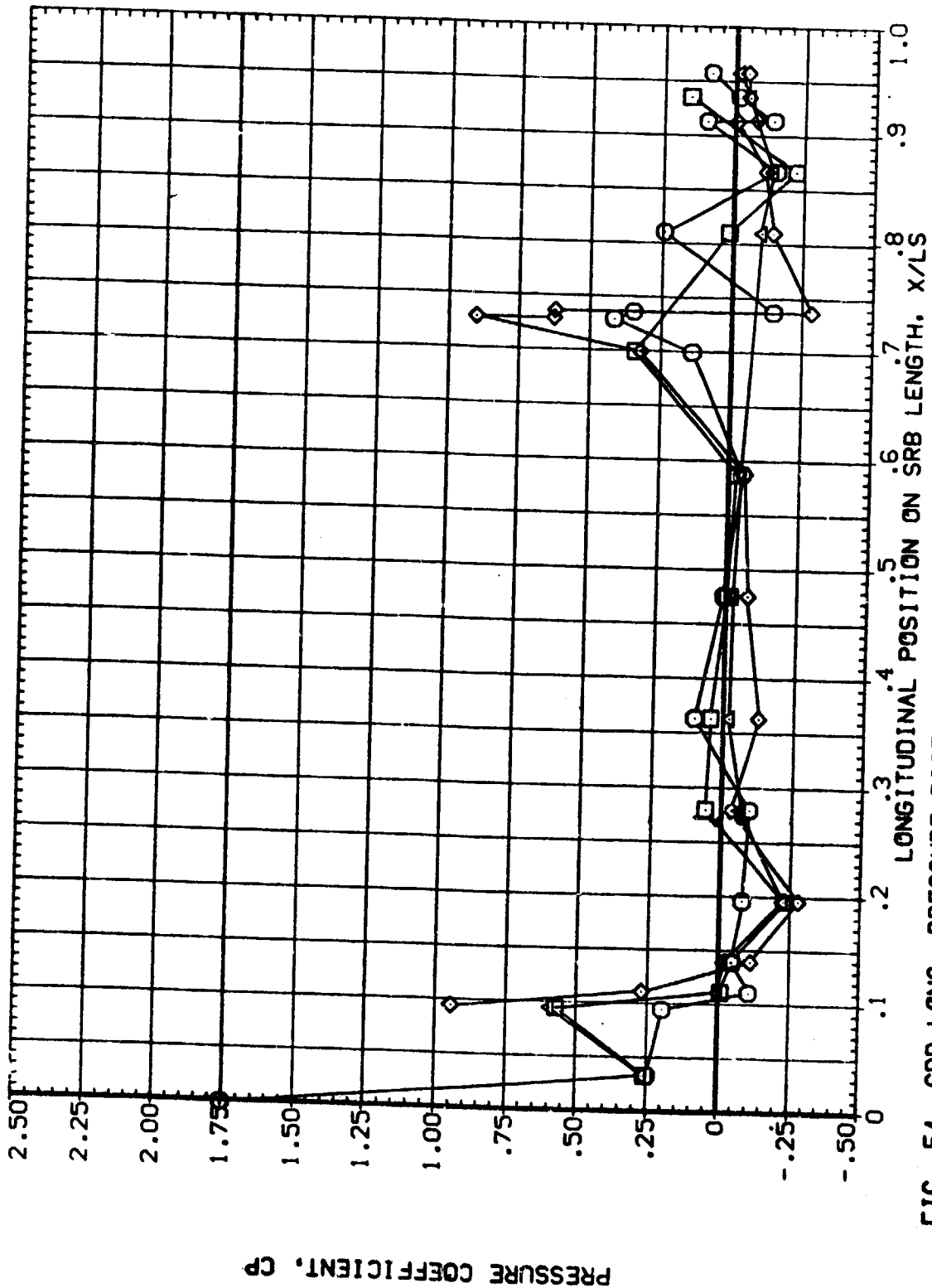


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
□	.000	4.000	.000	ELV-18	2.000
◇	45.000			RUDDER	.000
○	90.000			ELV-08	2.500
△	:35.000			SPOBRK	.000

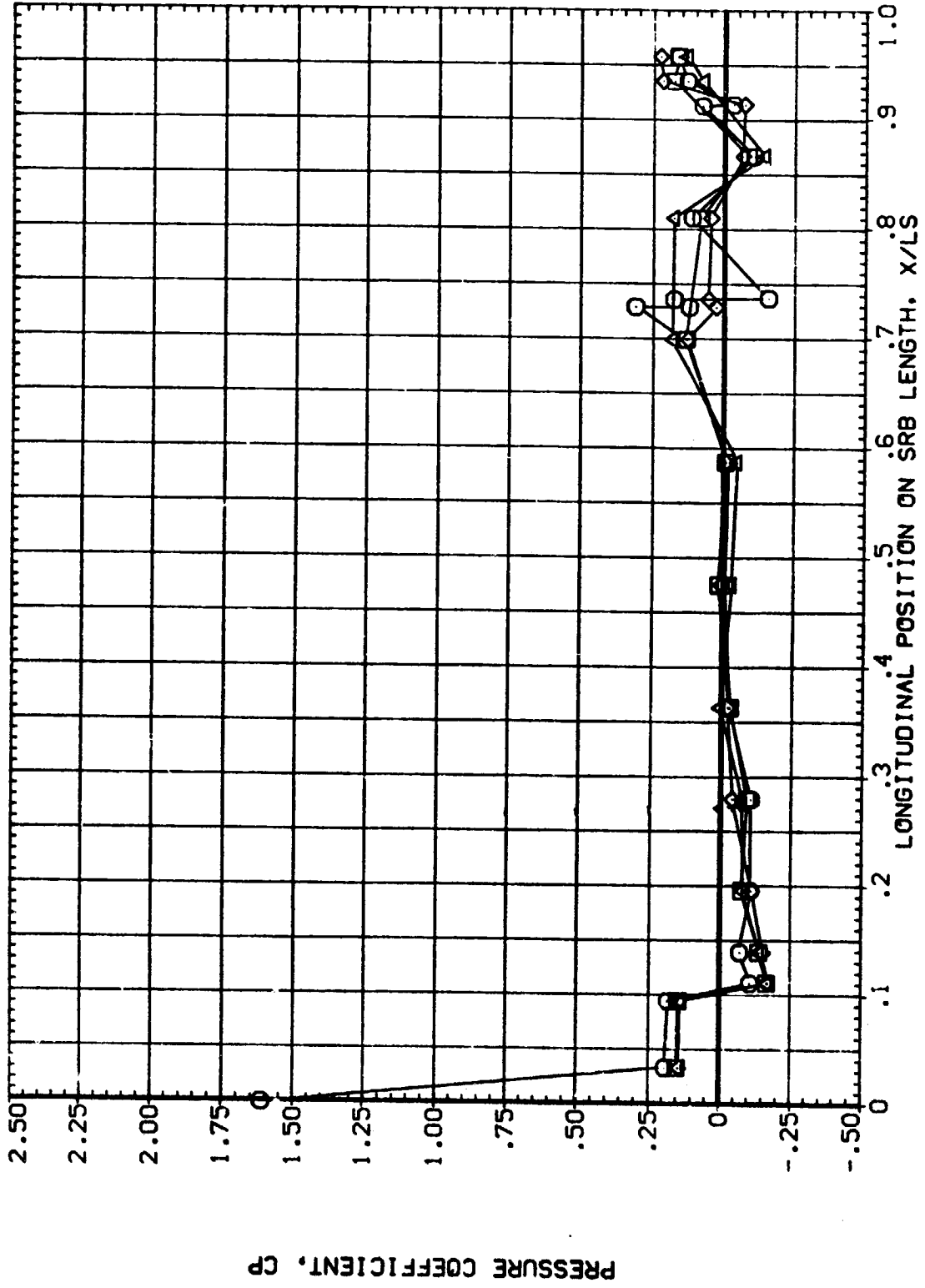


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI BETA ALPHA
 ○ .80.000 4.000 .000
 □ 225.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 2.000
 ELV-OB .000
 RUDDER .000

RN/FT 2.500
 ELV-OB .000
 SPDBRK .000

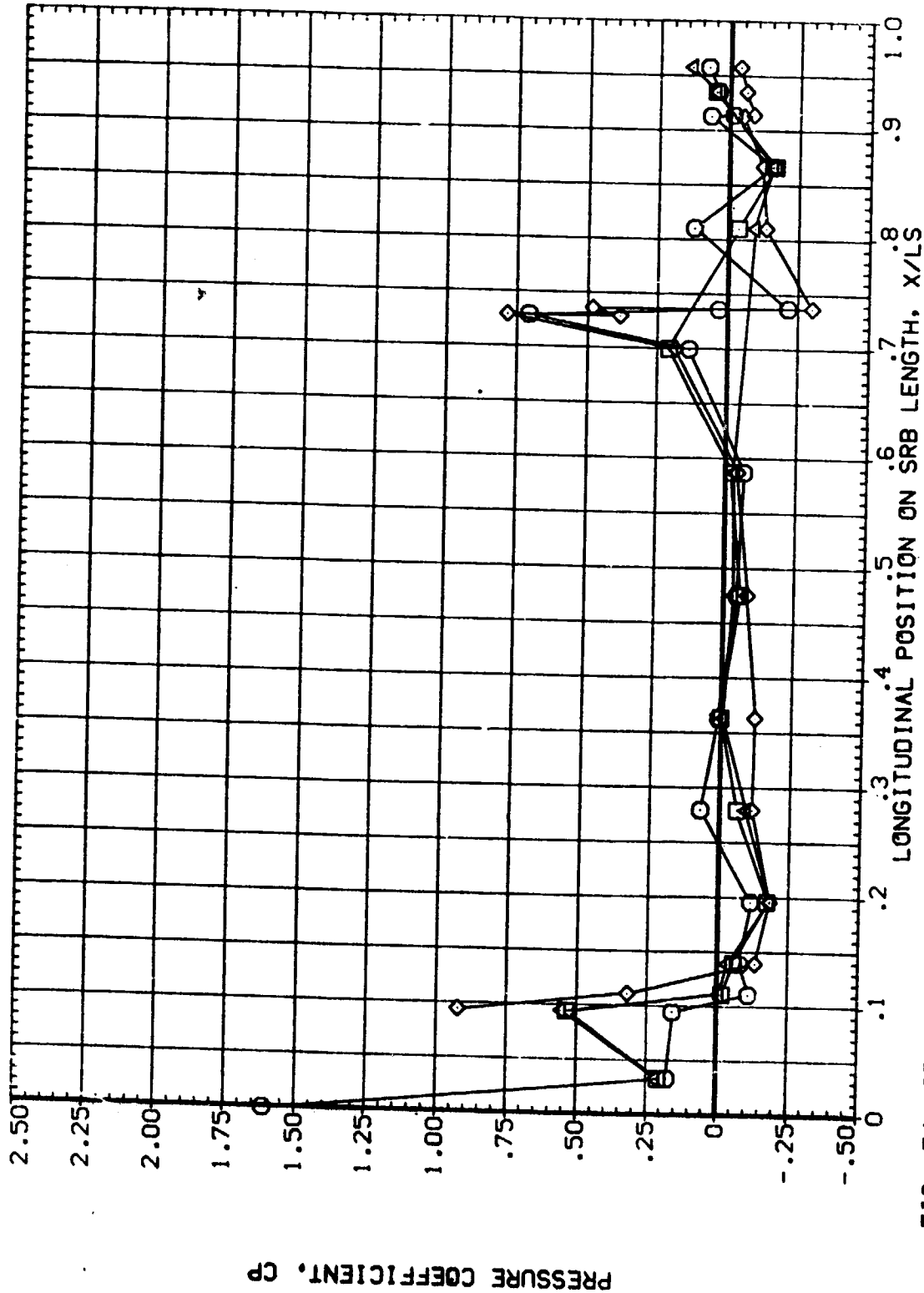


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PMT	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
□	.000	5.000	.000	ELV-1B	2.000 RN/FT
◇	45.000			RUDDER	.000 ELV-08
△	90.000				.000 SPDRK
	:35.000				

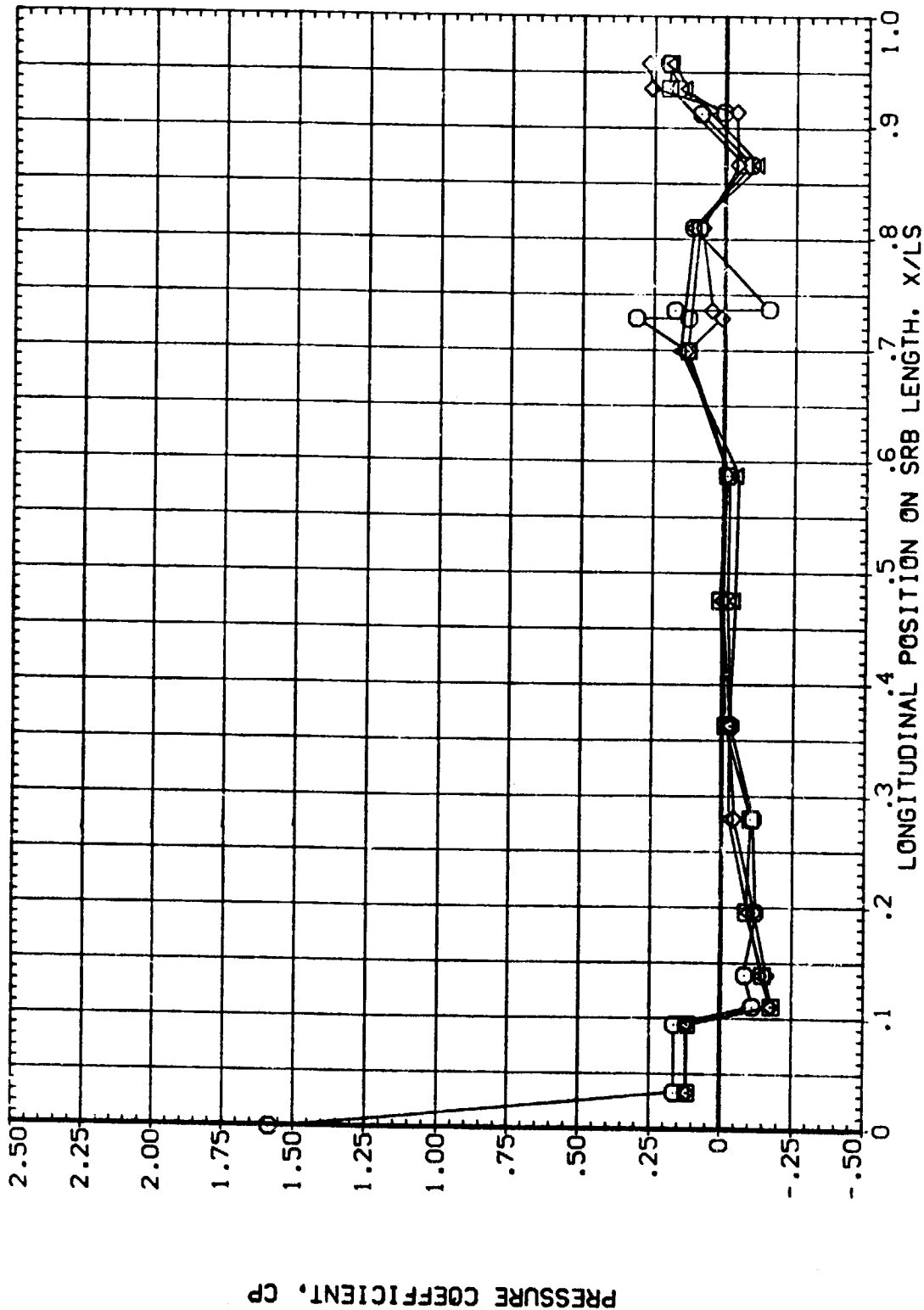


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

SYMBOL PHI BETAL ALPHAL
 ○ 190.000
 □ 225.000
 ◇ 270.000
 △ 315.000

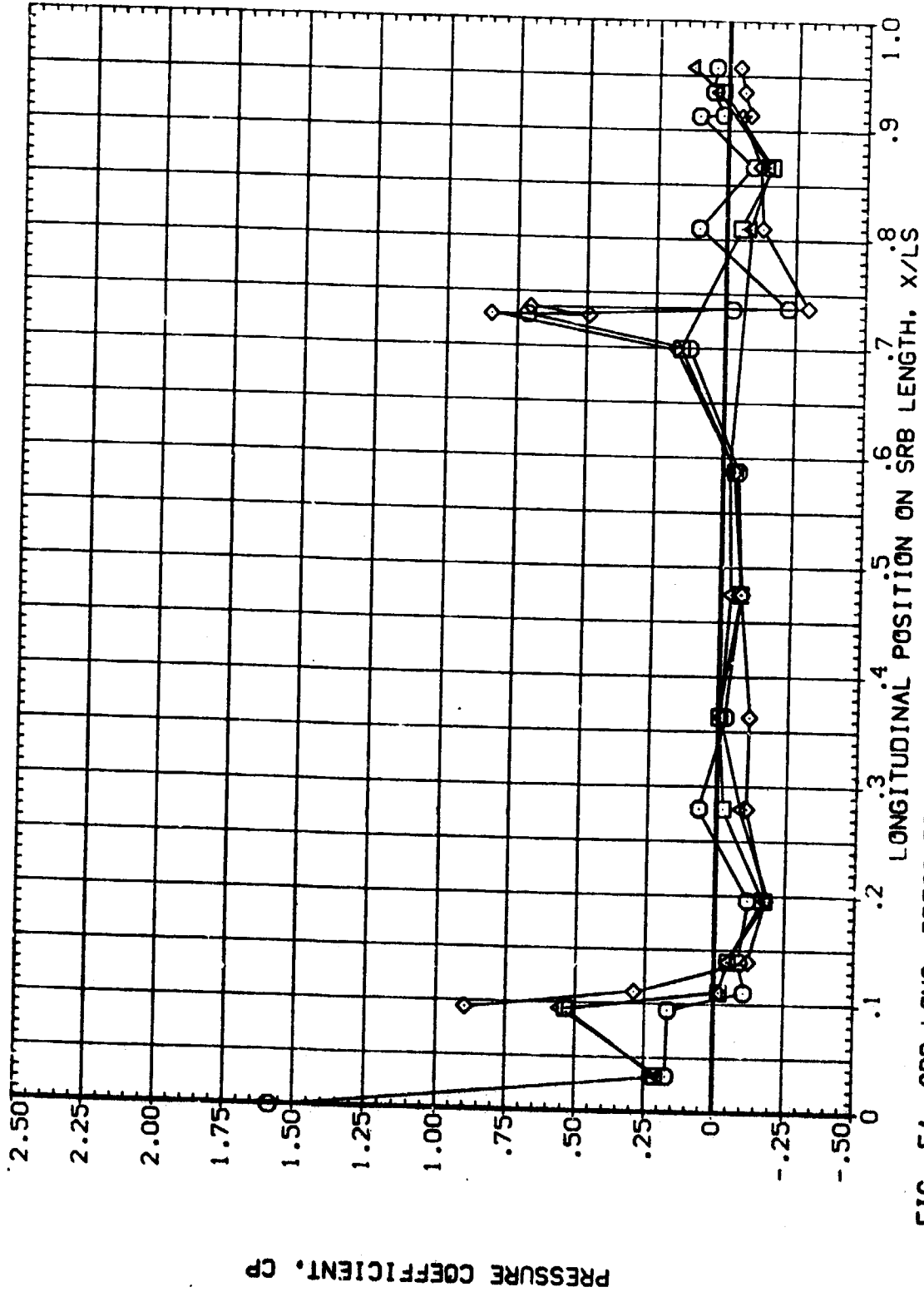


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	ELV-1B	RN/FT
□	45.000			RUDDER	ELV-DB
◇	90.000				SPDBRK
△	135.000				

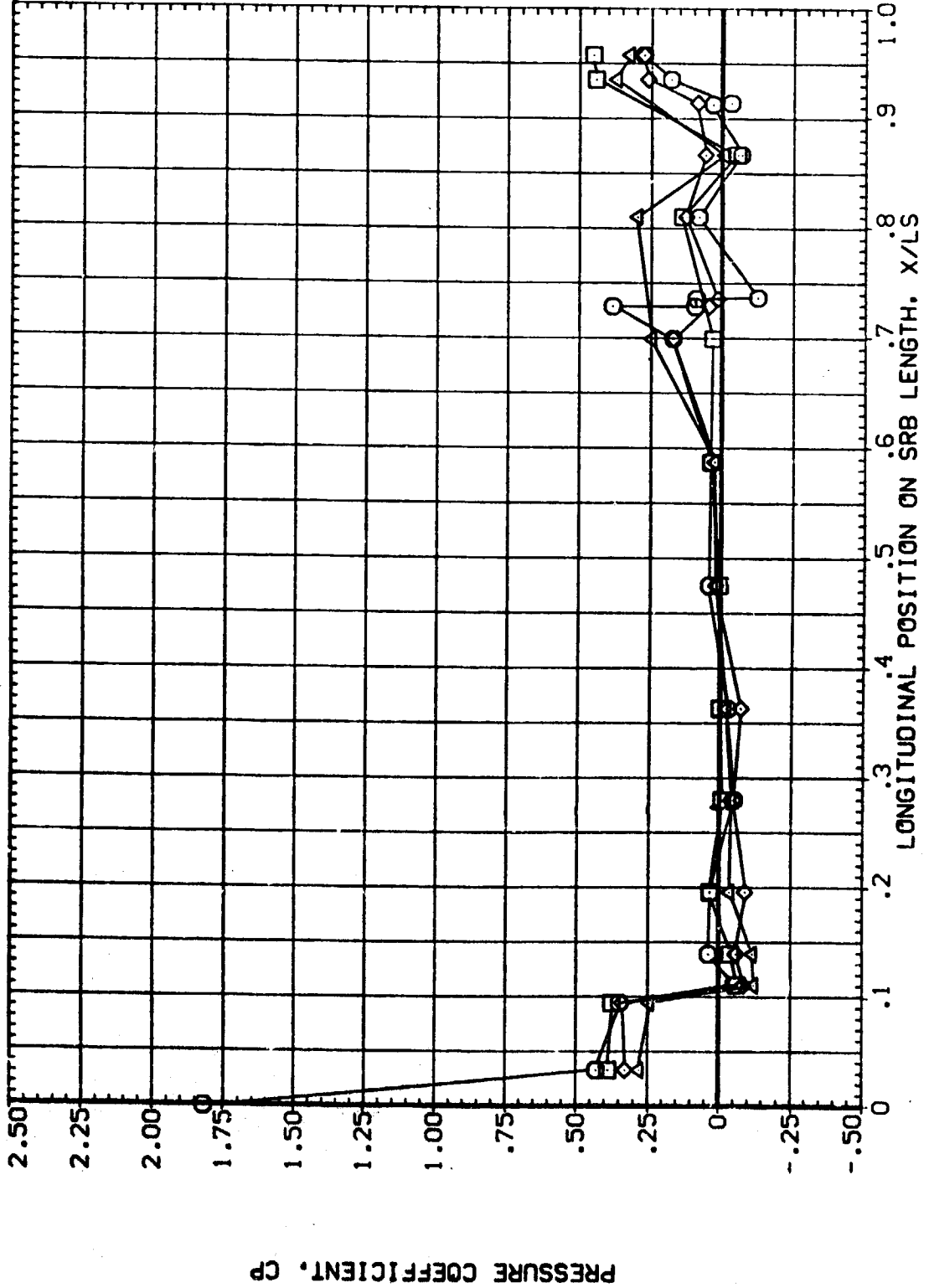


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL
 ○
 □
 ◇
 △

PHI
 180.000
 275.000
 270.000
 315.000

BETA
 -4.000

ALPHA
 4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.000 RN/FT
 .000 ELV-08
 .000 SPOBRK
 2.500
 .000
 .000

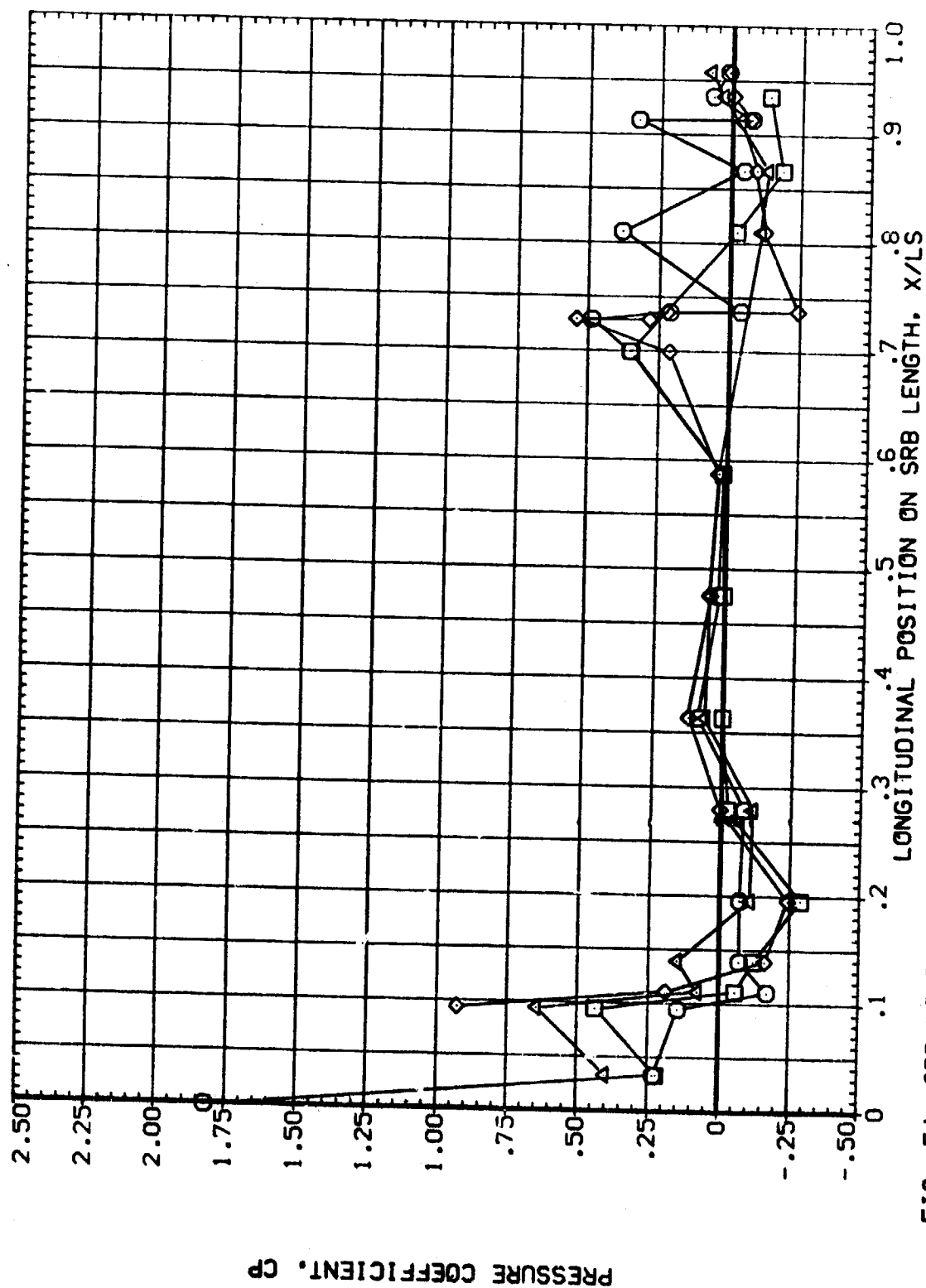


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL
 ○
 □
 ◇
 △

PHI .000
 45.000
 90.000
 135.000

BETAL .000

ALPHAL 4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.000 RN/FT
 .000 ELV-08
 .000 SPOBRK

2.500
 .000
 .000

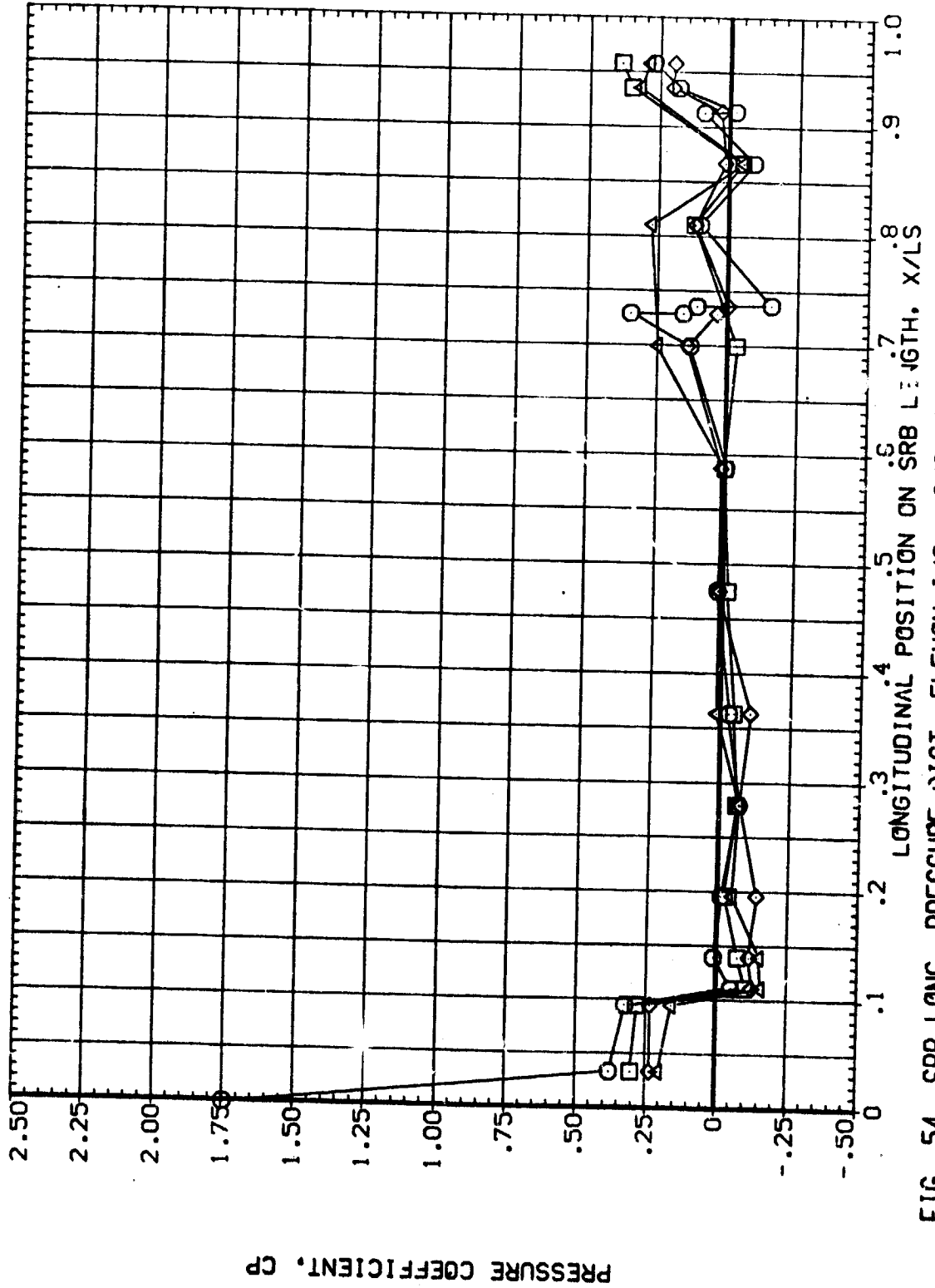


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 1A81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI BETAL ALPHA
 □ 180.000 .000 4.000
 ◇ 225.000
 △ 270.000
 315.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

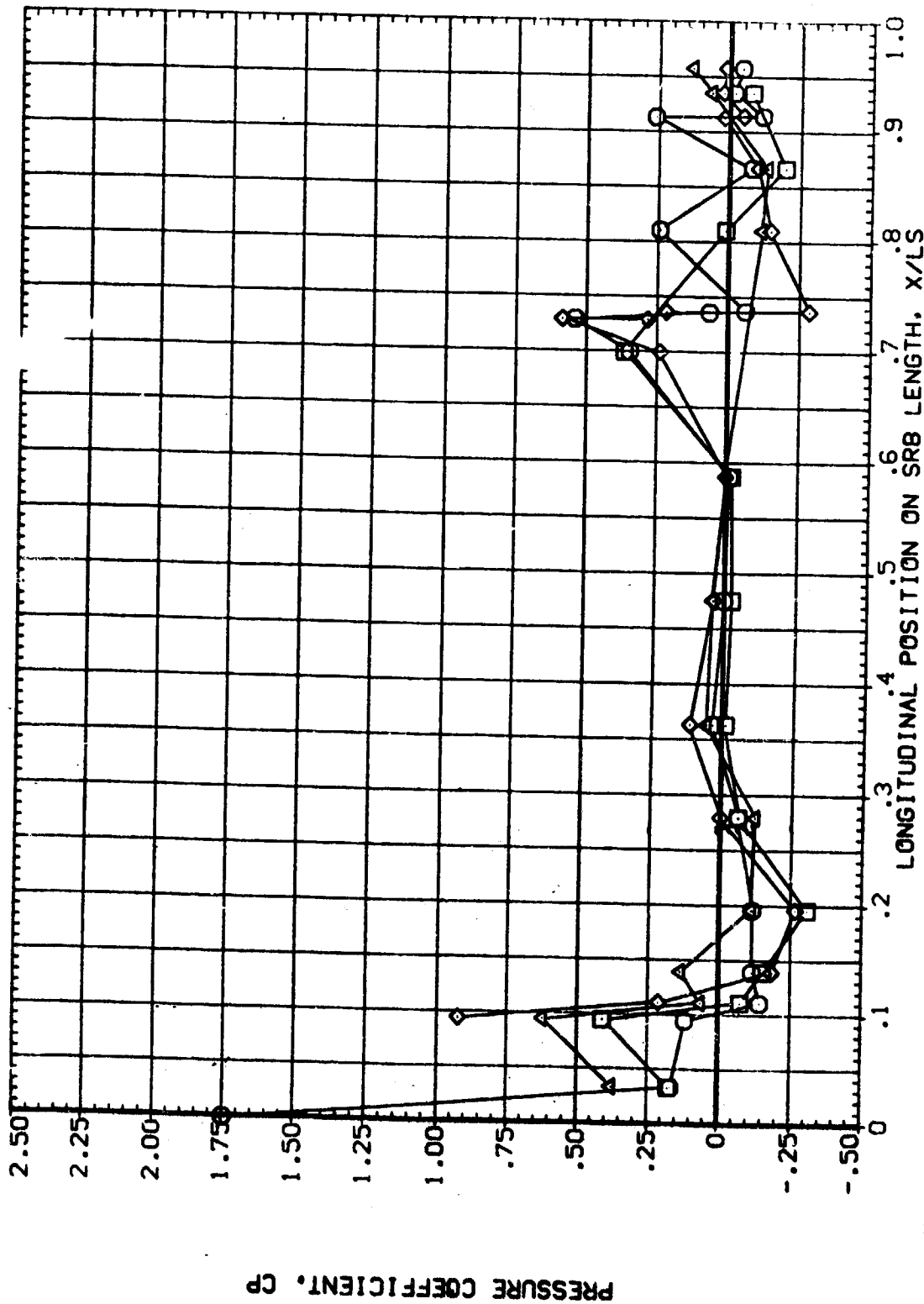


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-1B	2.000 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	30.000				.000 SPTBRK
△	35.000				2.500

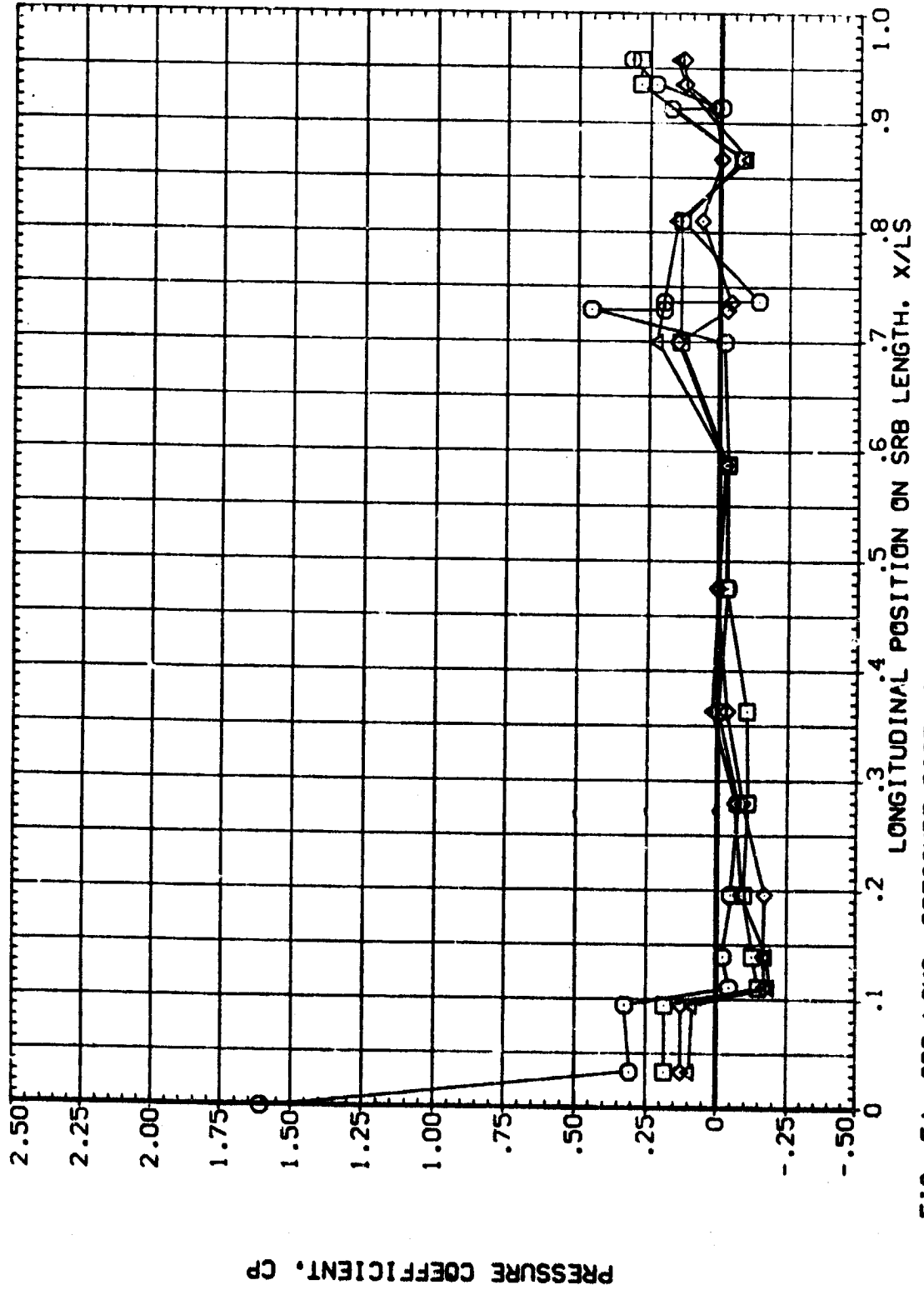


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IAS1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:80.000	4.000	4.000	ELV-18	2.000 RN/FT
□	:25.000			RUDDER	.000 ELV-08
◇	270.000				.000 SPOBRK
△	315.000				.000

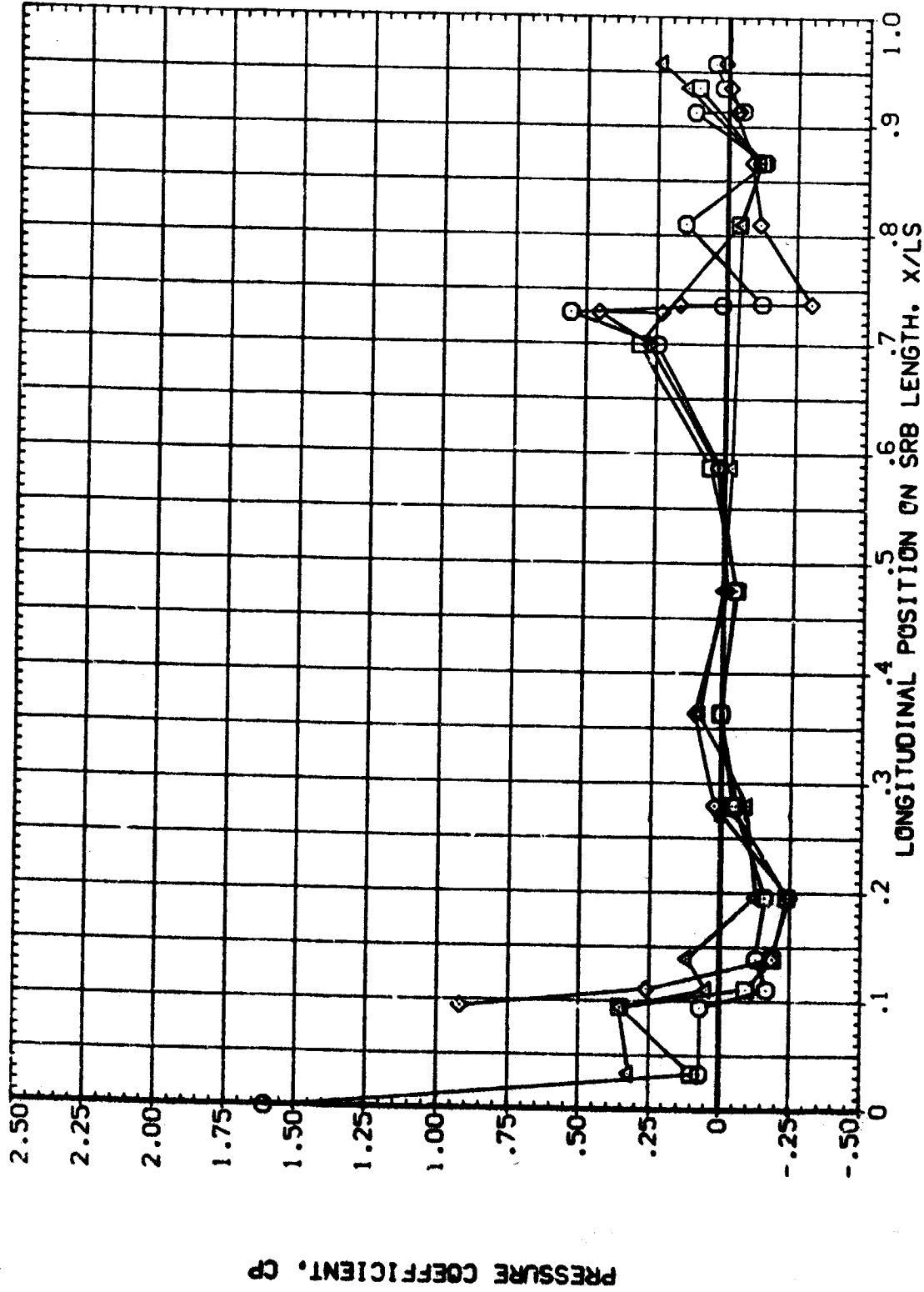


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI BETAL ALPHAL
 ○ .000
 □ 45.000
 ◇ 90.000
 △ 135.000

PARAMETRIC VALUES
 MACH 2.000
 ELV-IB .000
 RUDDER .000
 RV/FT 2.500
 ELV-OB .000
 SPDBRK .000

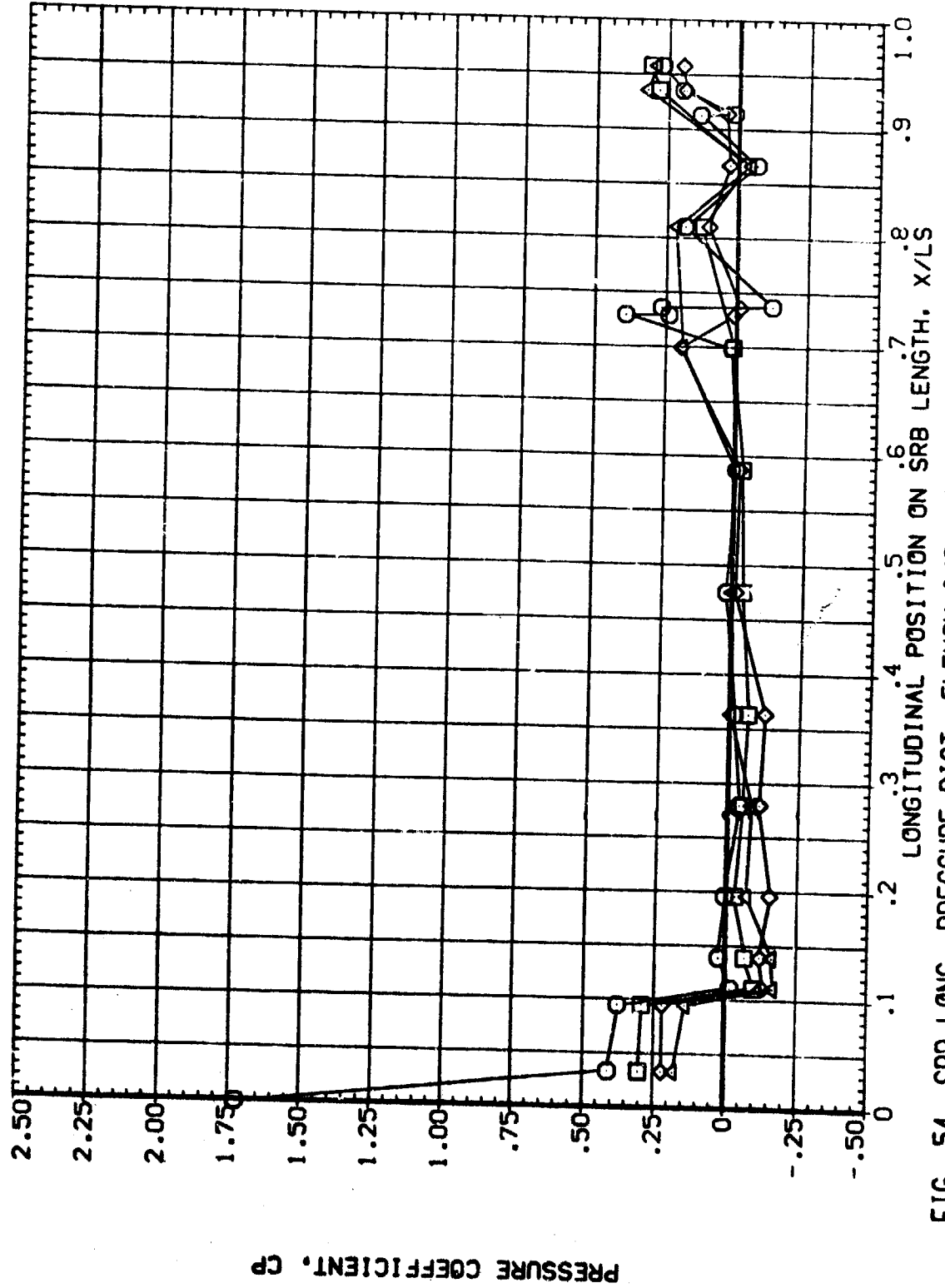


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS40)

SYMBOL PHI BETAL ALPHA
 ◊ .80.000 .000 6.000
 ◻ .275.000
 ◯ .270.000
 △ .315.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPOBRK .000

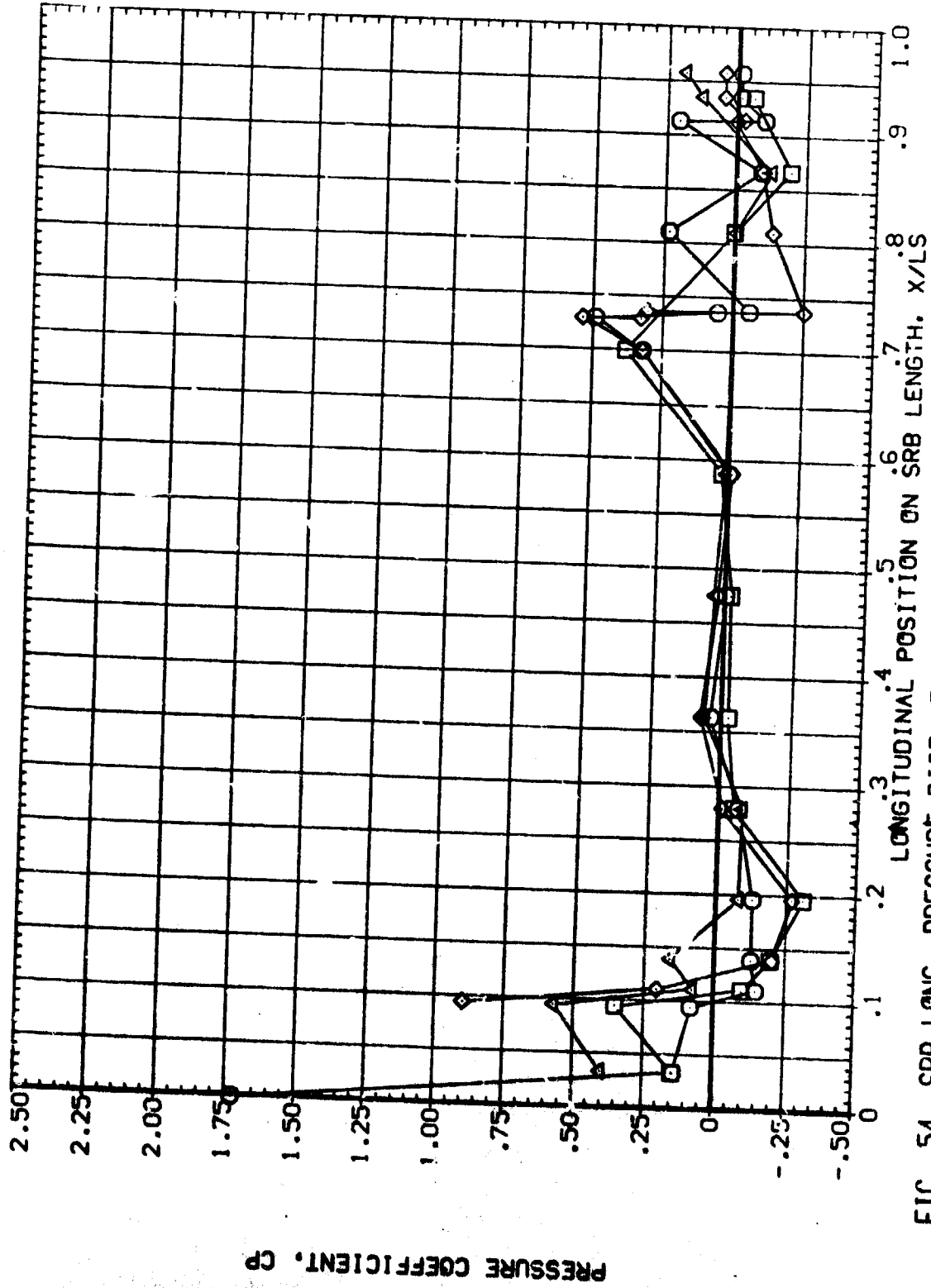


FIG. 54 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-6.000	ELV-1B	2.200 RN/FT
□	45.000			RUDDER	.000 ELV-0B
◇	90.000				.000 SPOBRK
△	135.000				.000 SPOBRK

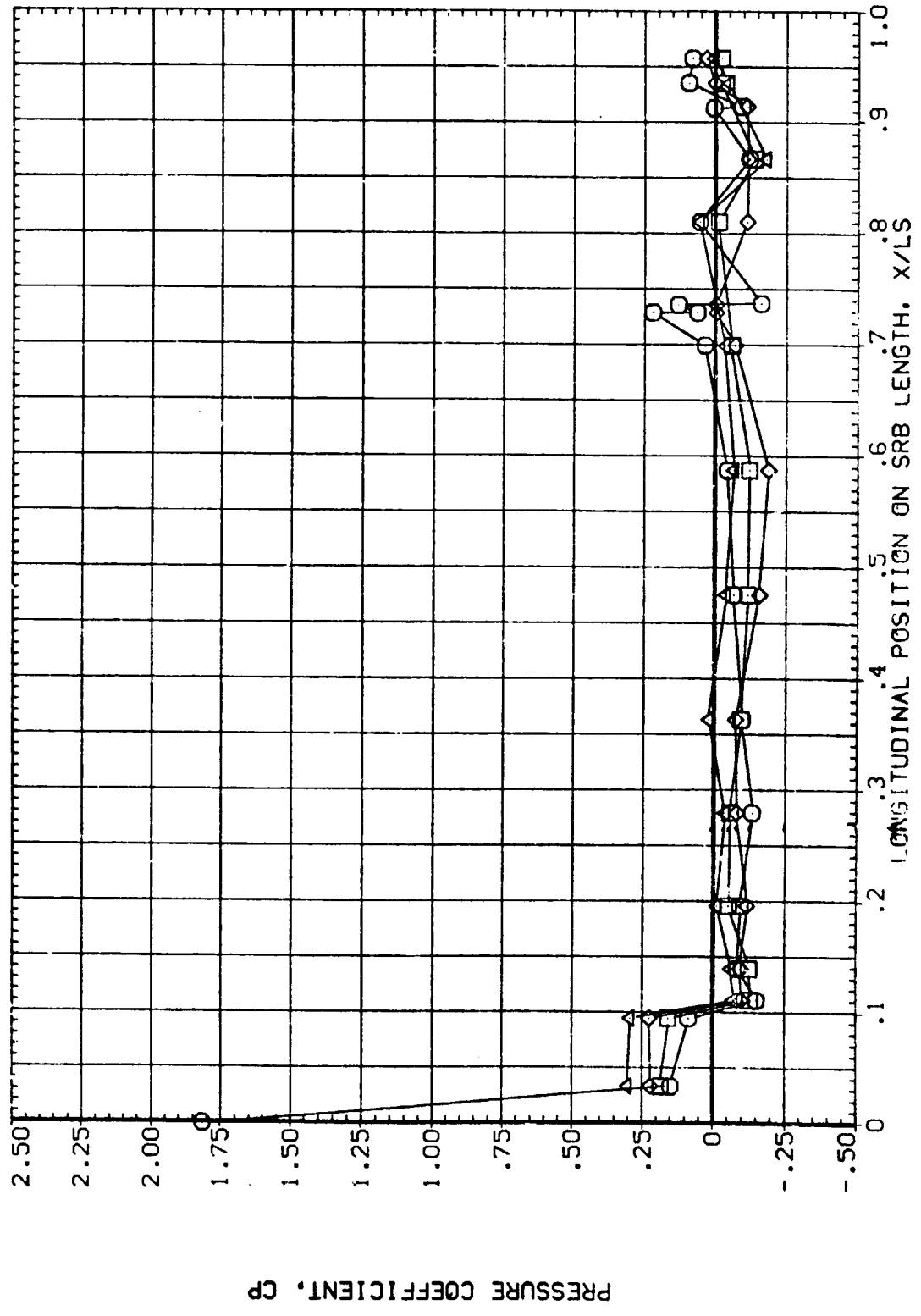


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:80.000	.000	-6.000	ELV-1B	2.200 RM/FT 2.500
□	225.000			RUDDER	.000 ELV-0B .000
◇	270.000				.000 SPDBRK .000
△	315.000				

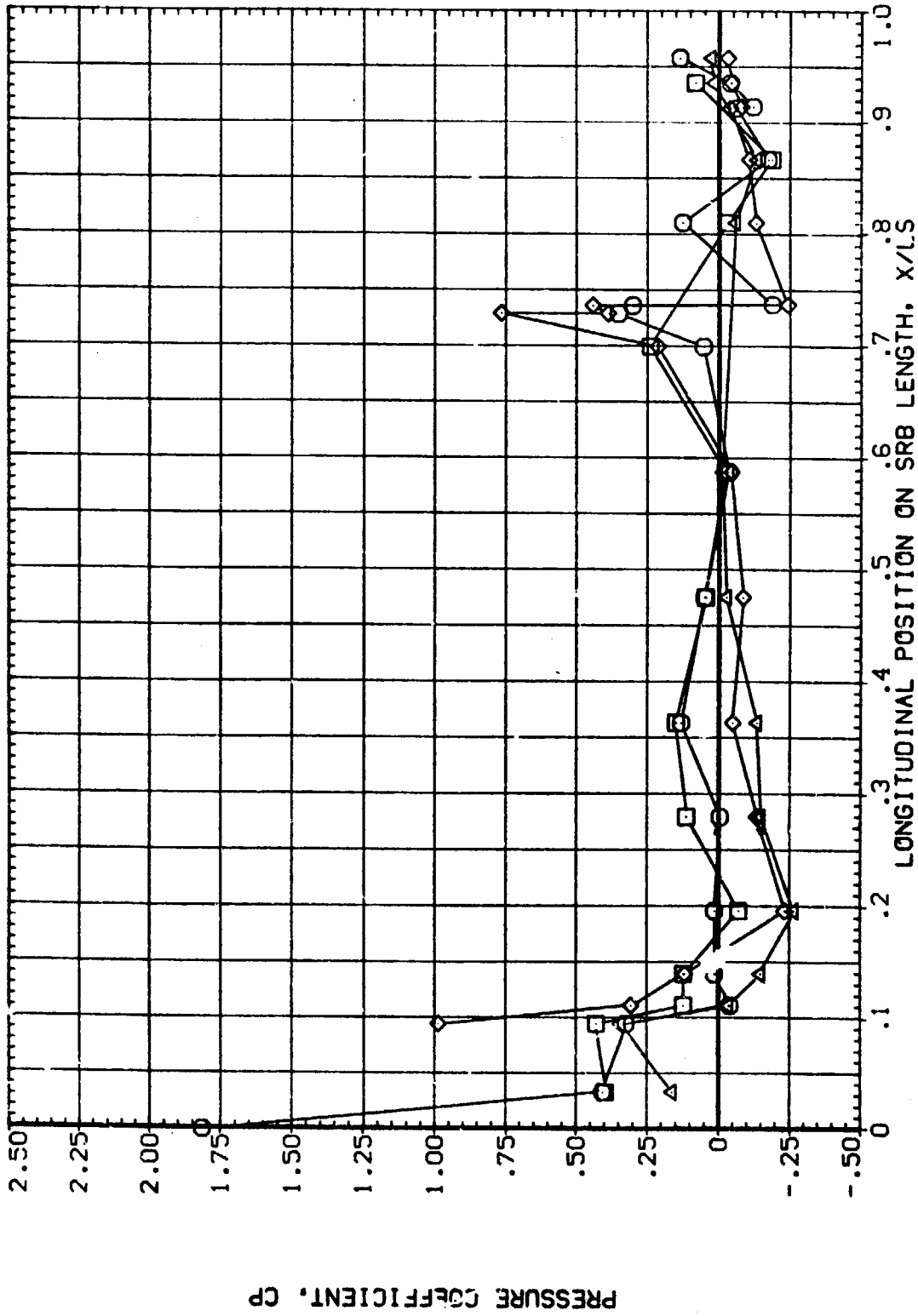


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL		PHI	BETAL	ALPHAL	PARAMETRIC VALUES			
○		.000	-4.000	-4.000	MACH	2.200	RV/FT	2.500
□		45.000			ELEV-18	.000	ELEV-08	.000
◇		90.000			RUDDER	.000	SPDBRK	.000
△		:35.000						

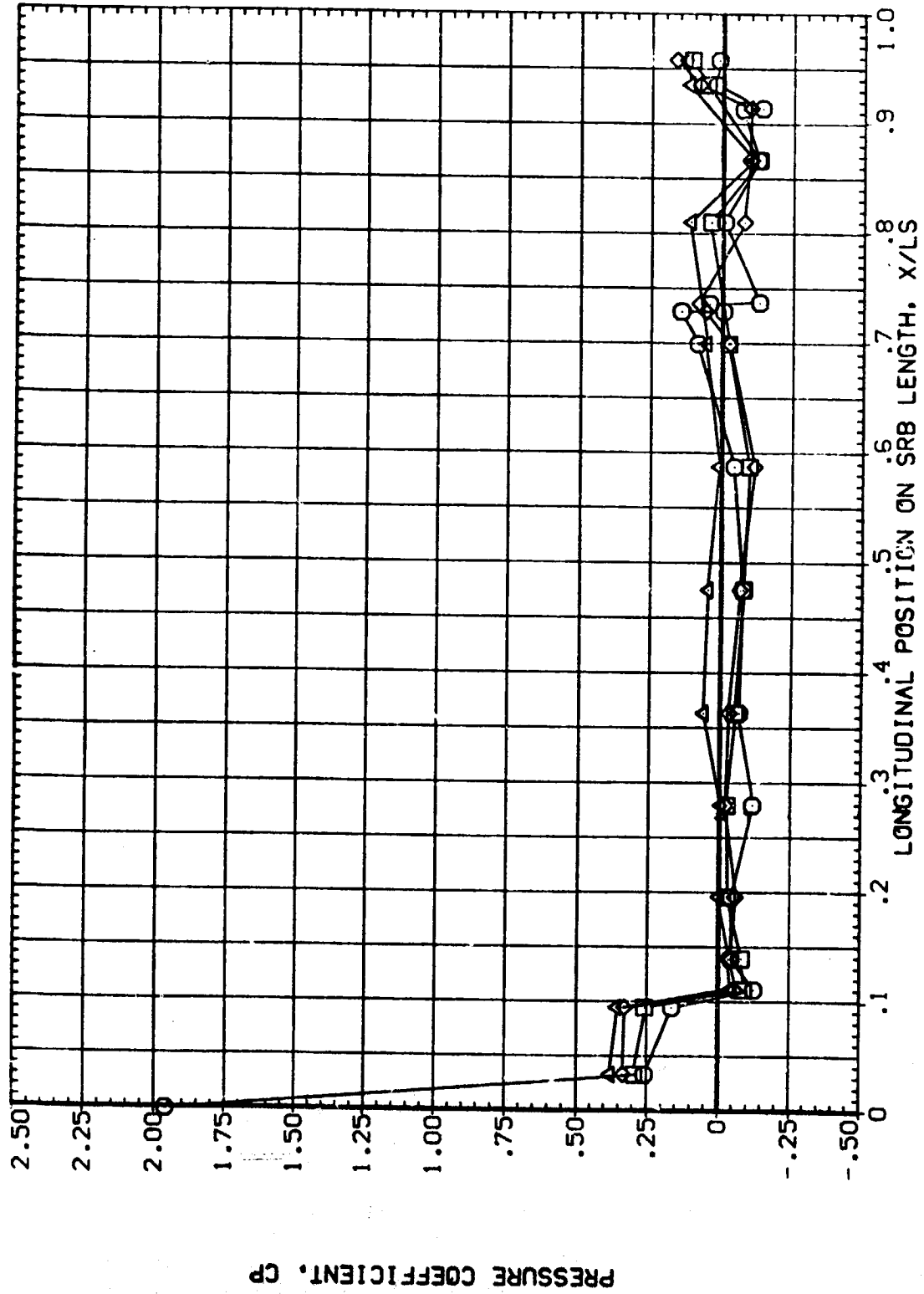


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL
 ○
 □
 ◇
 △

PHI
 .80.000
 .75.000
 .70.000
 .65.000

BETAL
 -4.000
 -4.000
 -4.000
 -4.000

ALPHAL
 -4.000
 -4.000
 -4.000
 -4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT
 .000 ELV-08
 .000 SPOBRK
 2.500
 .000
 .000

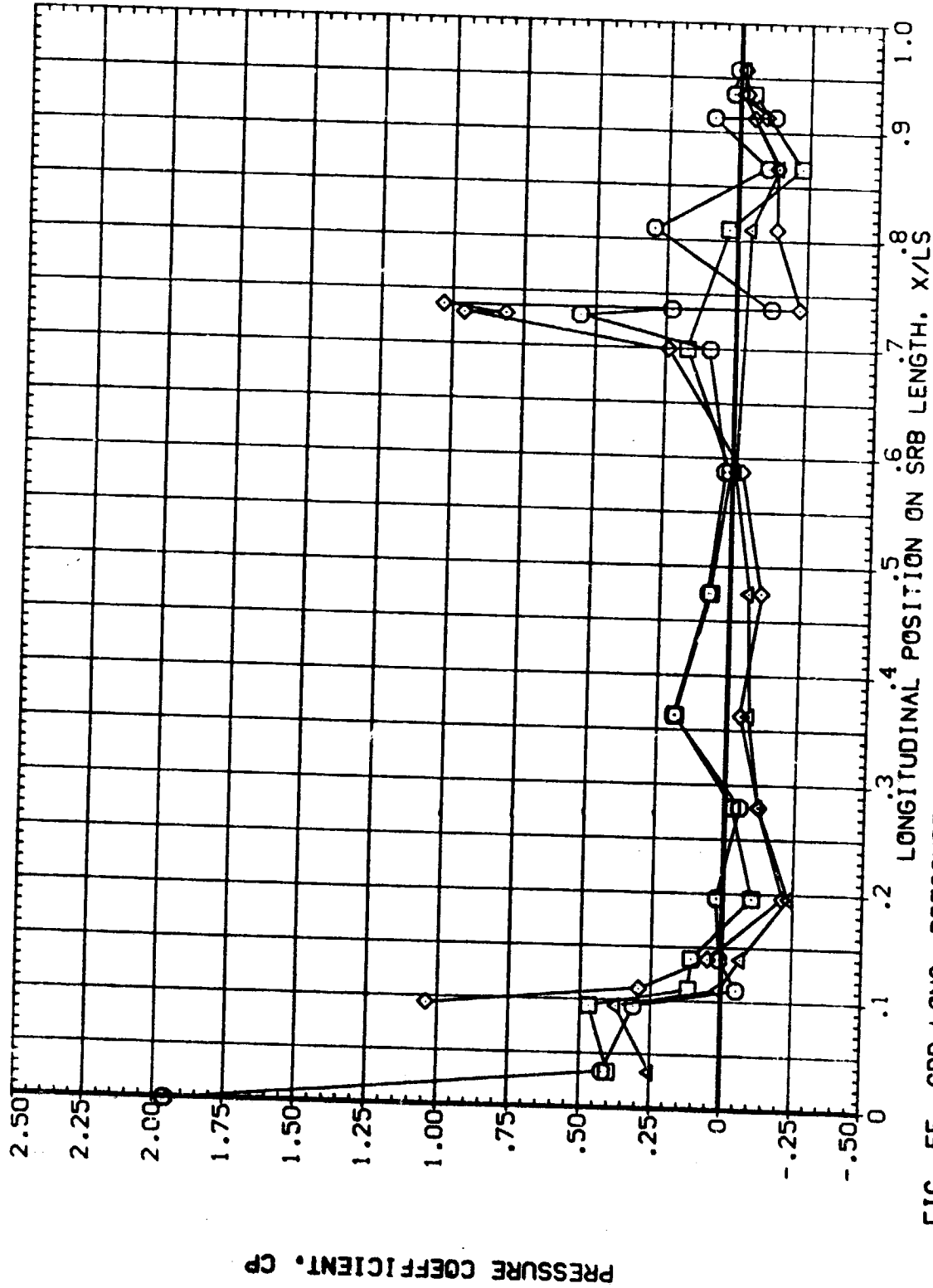


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-4.000	ELV-1B	2.200 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPDBRK
△	:35.000				.000

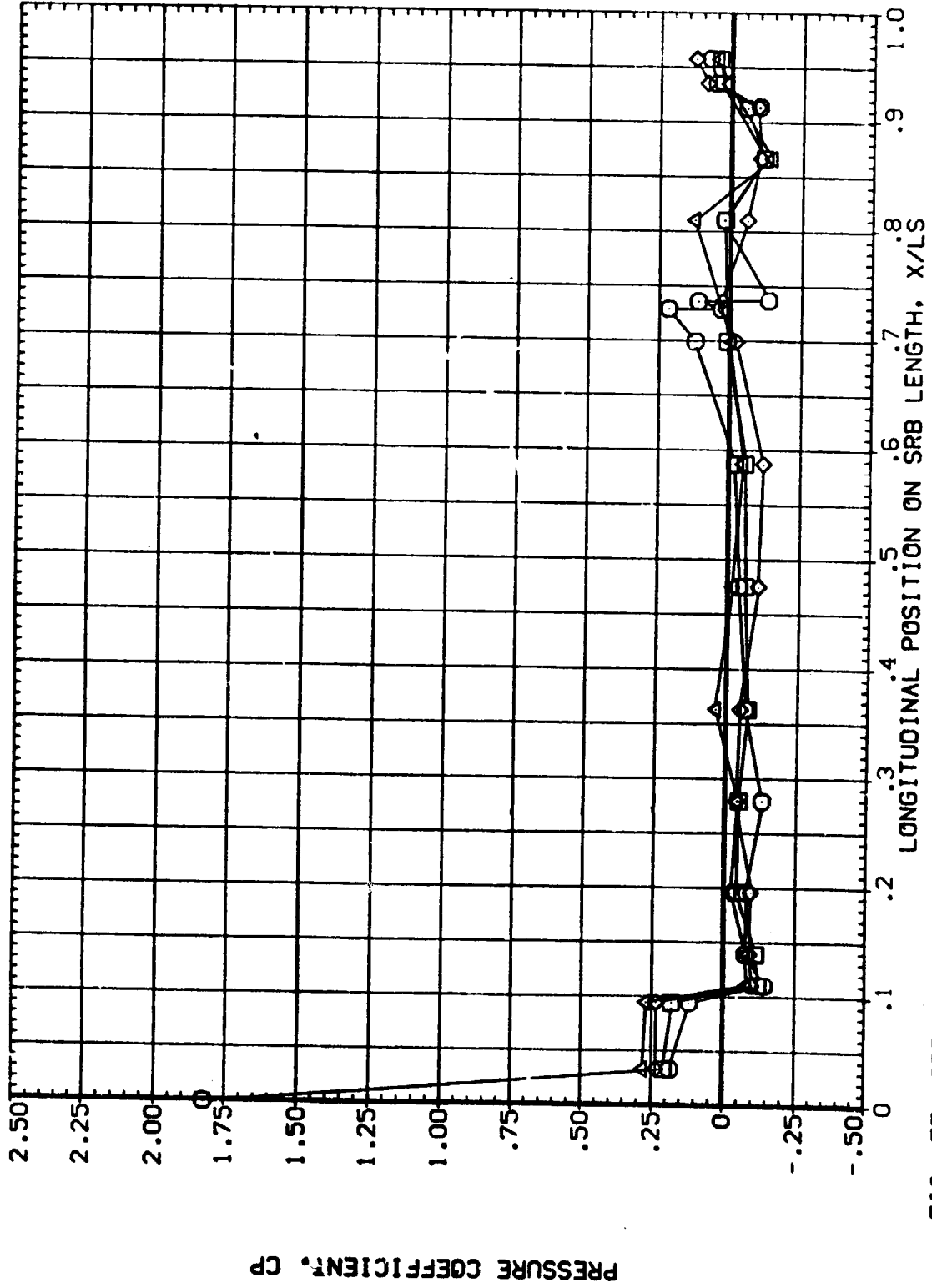


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	:80.000	.000	-4.000	ELV-IB	2.200
□	:25.000			RUDDER	.000
◇	:270.000			ELV-OB	.000
△	:315.000			SPDBRK	.000

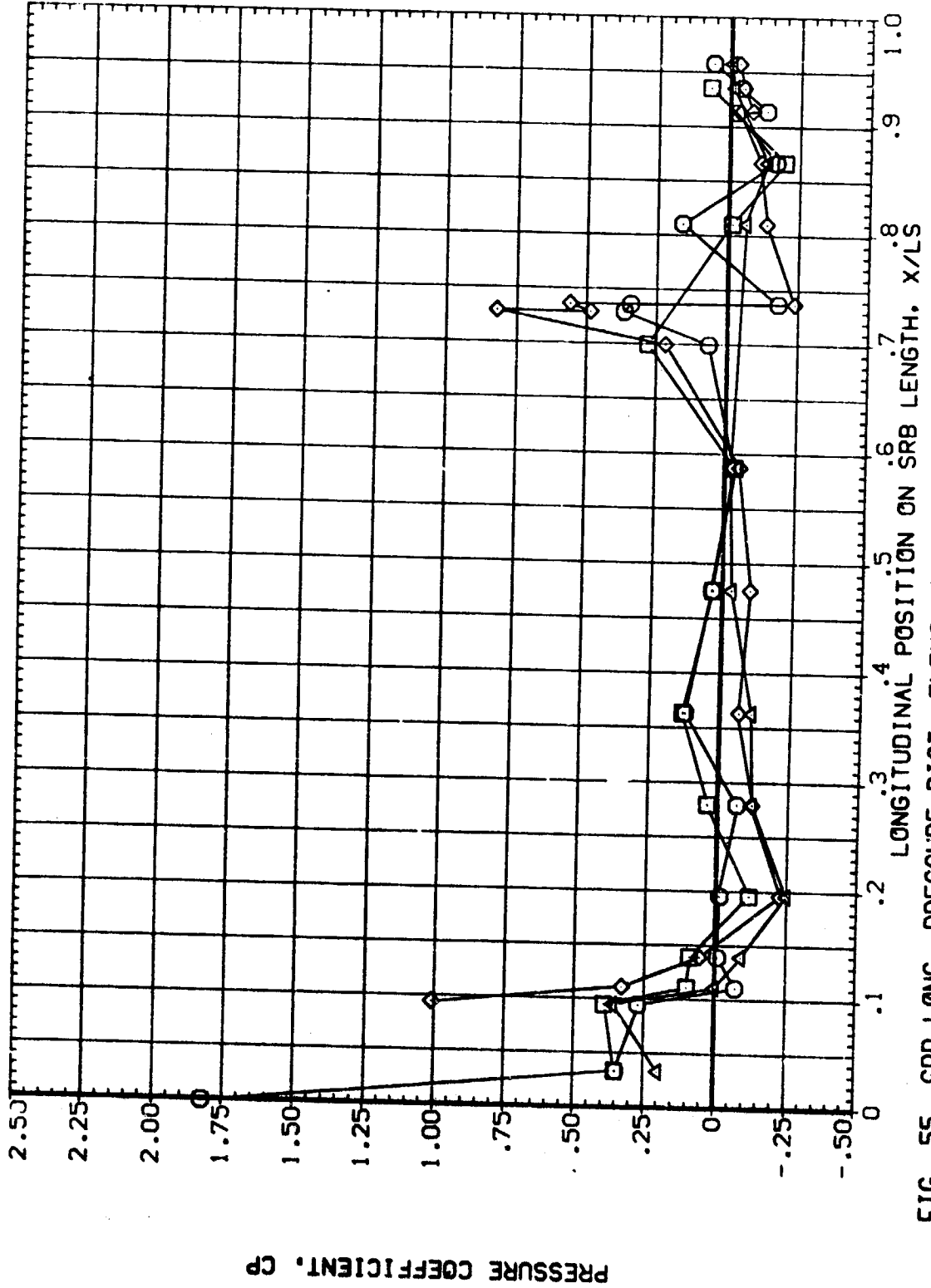


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL PHI BETAL ALPHA

○ .000 4.000 -4.000

□ .45.000

◇ .94.000

△ :35.000

PARAMETRIC VALUES

2.200 RN/FT 2.500

.000 ELV-08 .000

.000 RUDDER SPDBRK .000

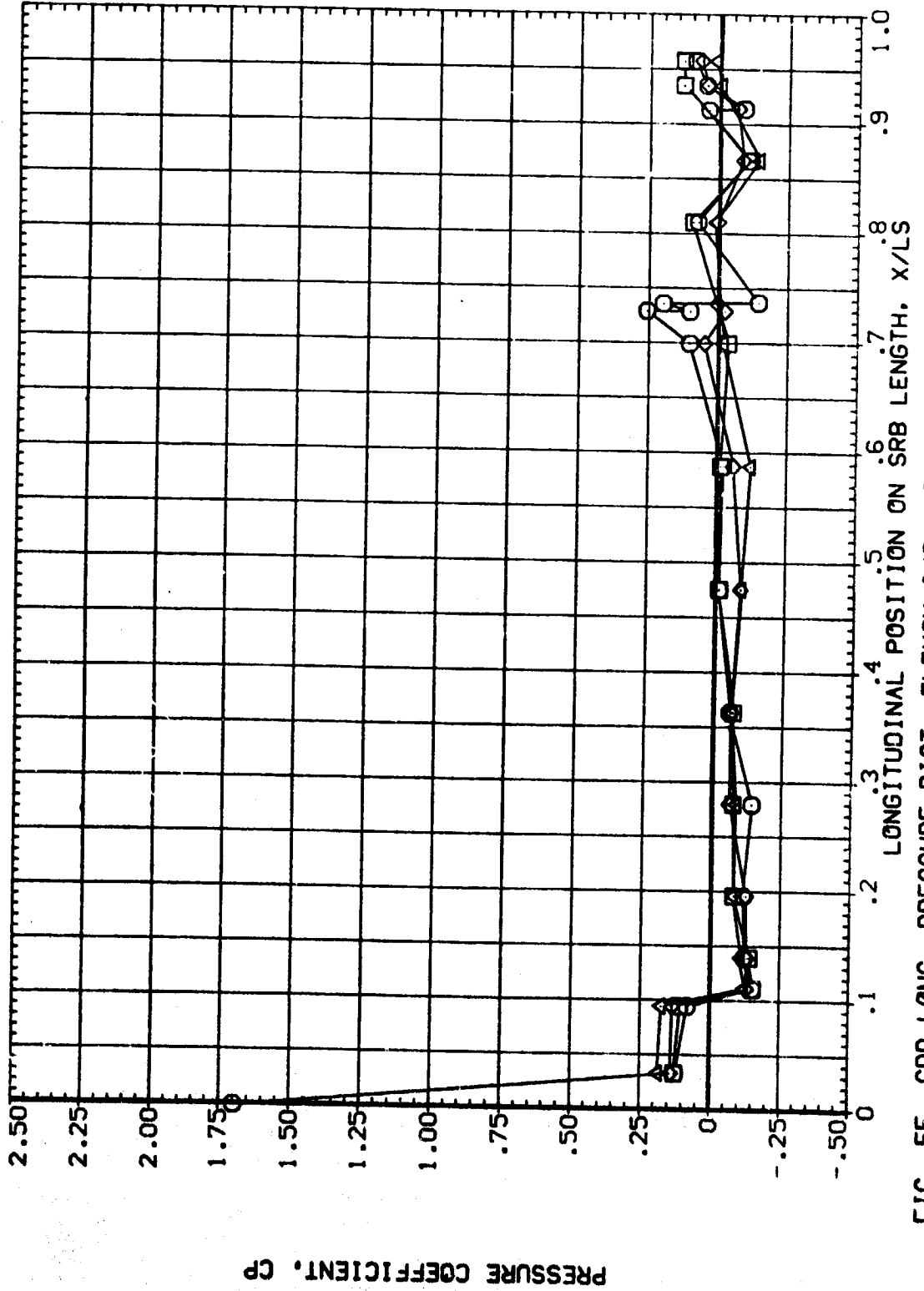


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARCS7-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL PHI
 □ 180.000
 ○ 225.000
 △ 270.000
 ◇ 315.000

BETAL 4.000
 ALPHA -4.000

MACH 2.200
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPDBRK .000

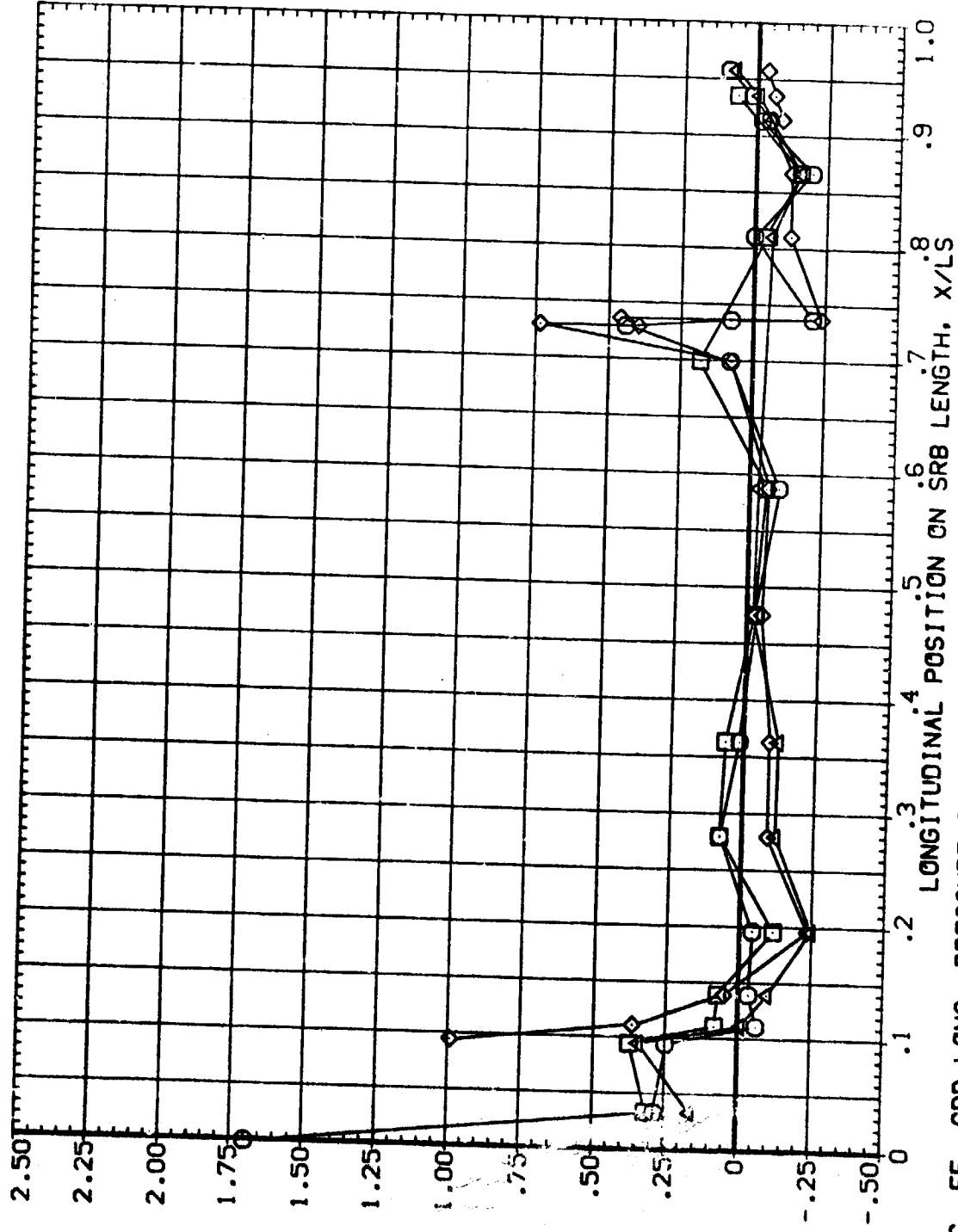


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

PARAMETRIC VALUES	
MACH	2.200
ELV-IB	.000
RUDDER	.000
SPDBRK	.000
PHI	.000
BETA	-6.000
ALPHA	.000
RV/FT	2.500
ELV-OB	.000
SPDBRK	.000

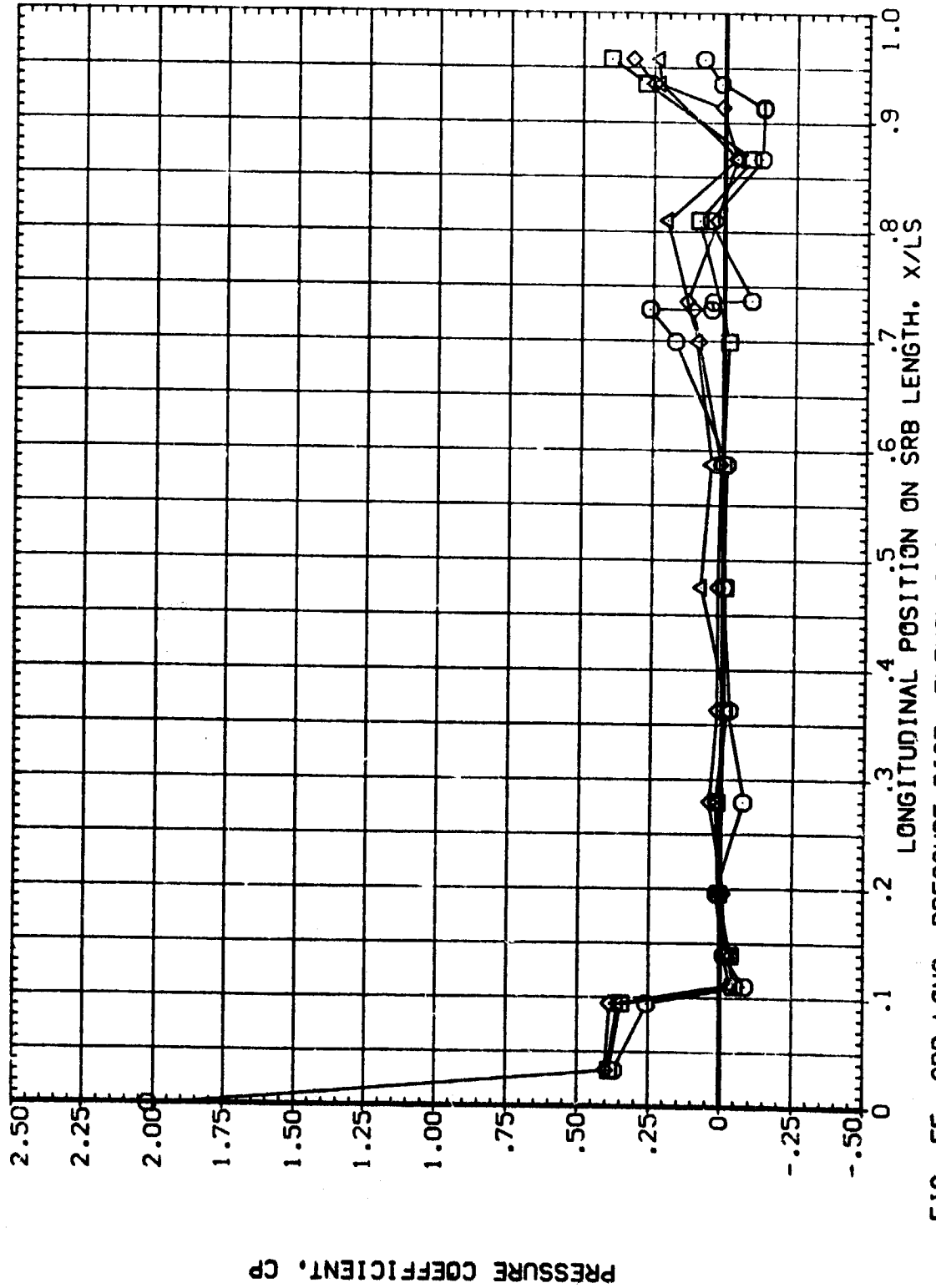


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	2.500
○	80.000	-6.000	.000	2.200	.000	.000	ELV-08	.000	
□	225.000			.000	.000	.000	SPOBRK	.000	
◇	270.000								
△	315.000								

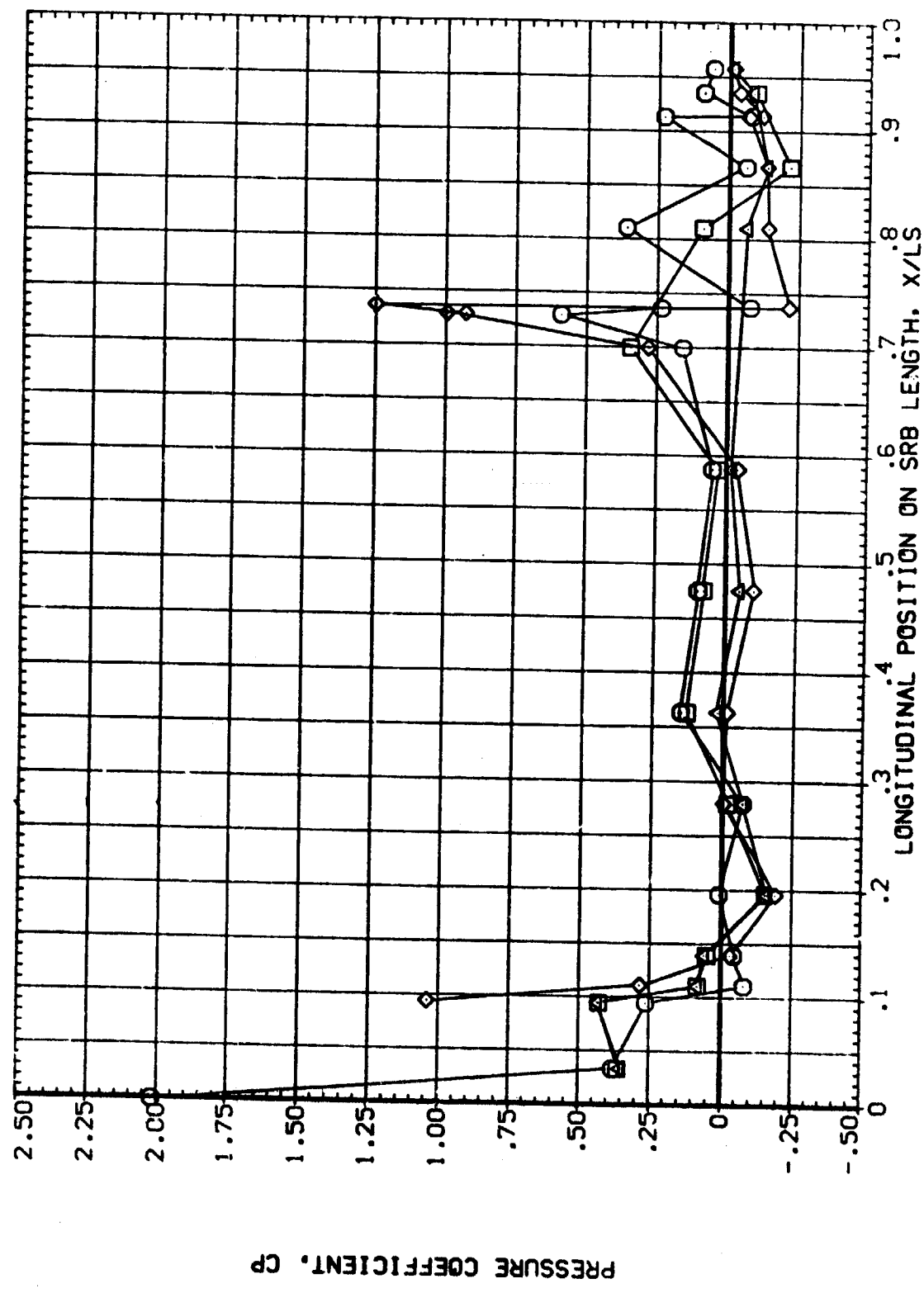


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPOBRK
□	.000	-4.000	.000	2.200	.000	.000	2.200	.000	.000	.000
◇	45.000									
○	90.000									
△	:35.000									

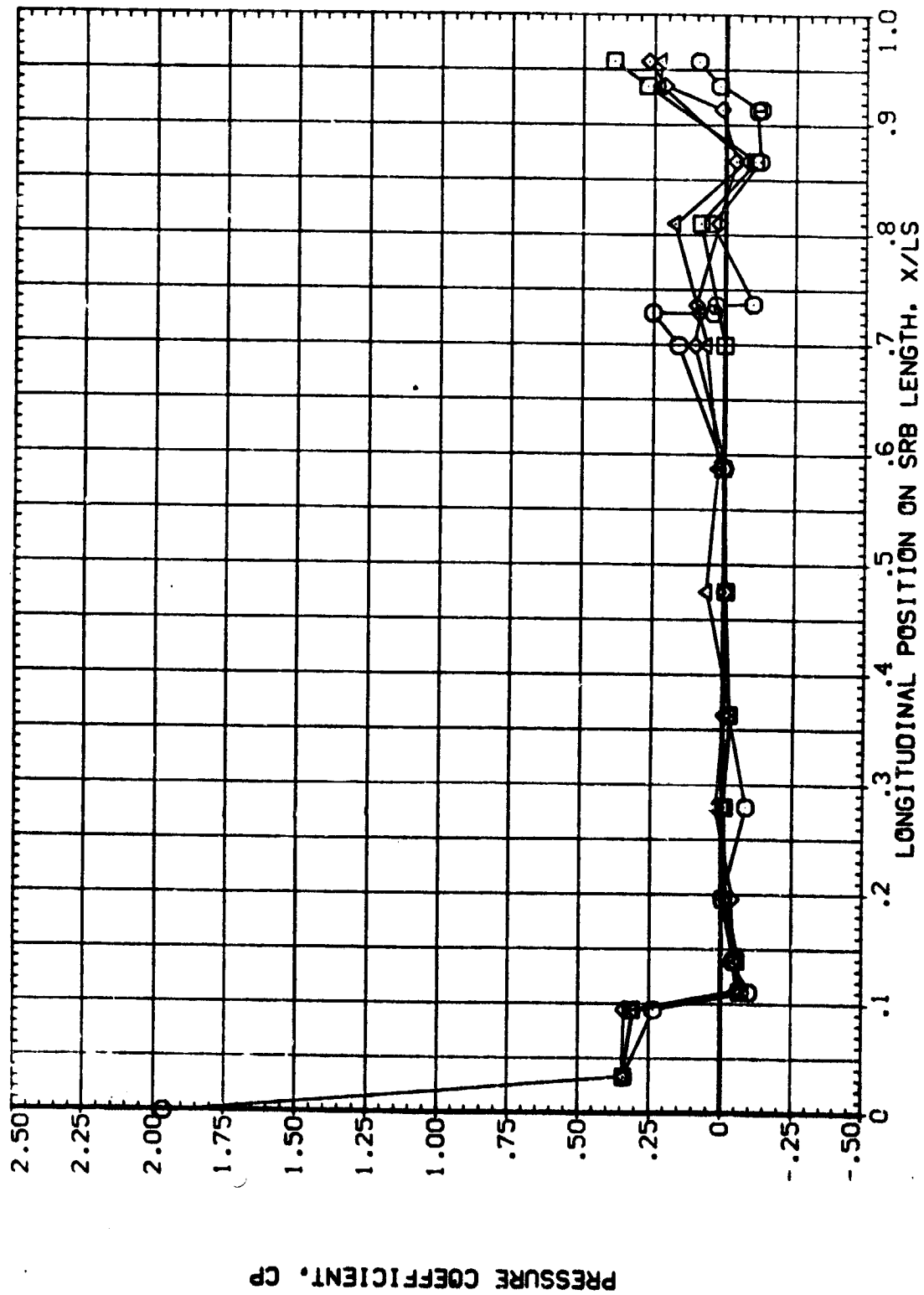


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
◇	180.000	-4.000	.000	ELV-18	2.200
□	275.000			RUDDER	.000
△	270.000				ELV-08
◇	315.000				SPOBRK
					2.500
					.000
					.000

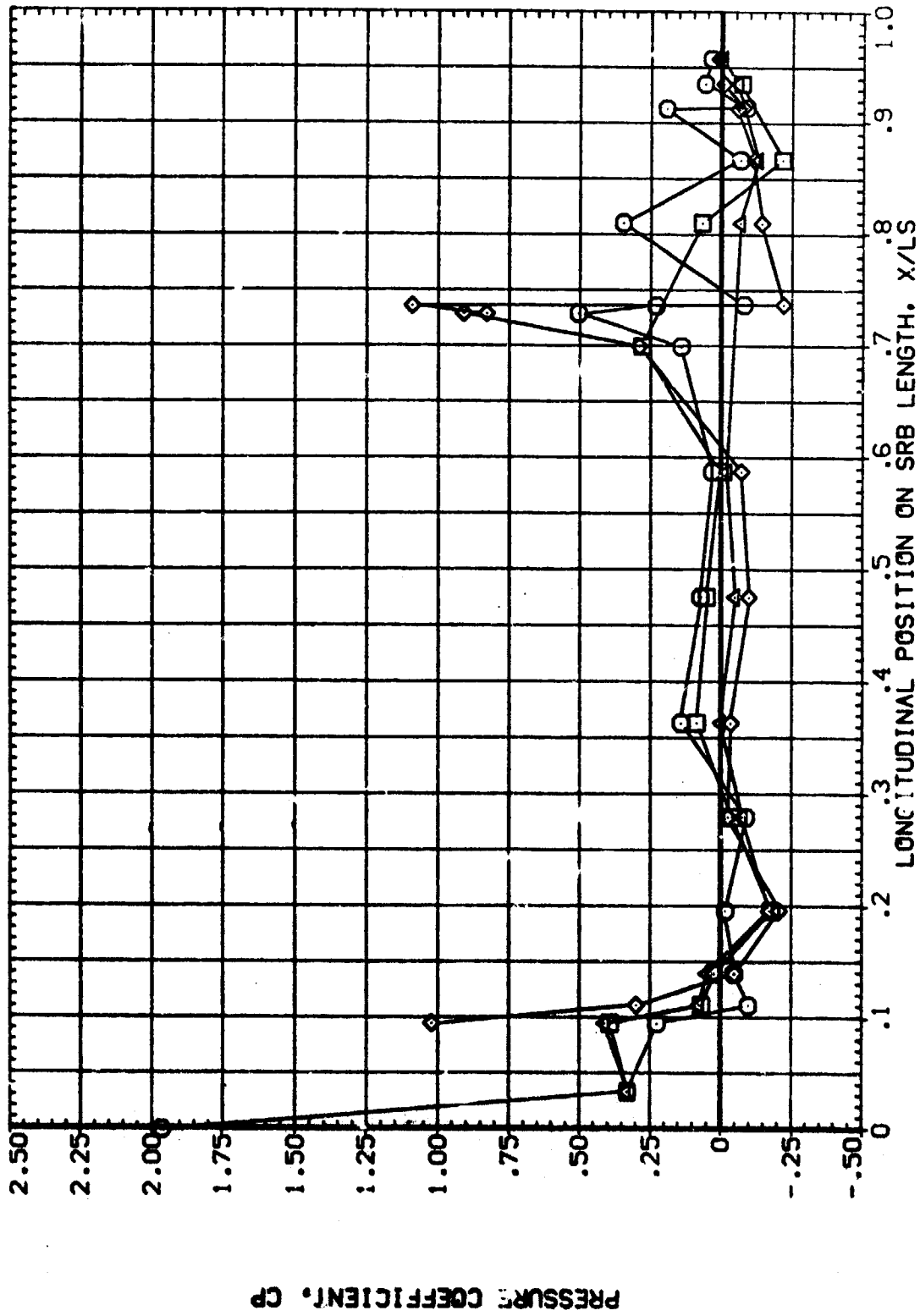


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
.000	.000	.000	ELV-1B	2.200
45.000			RUDDER	.000
90.000				RN/FT
:35.000				ELV-08
				SPDBRK
				2.500
				.000
				.000

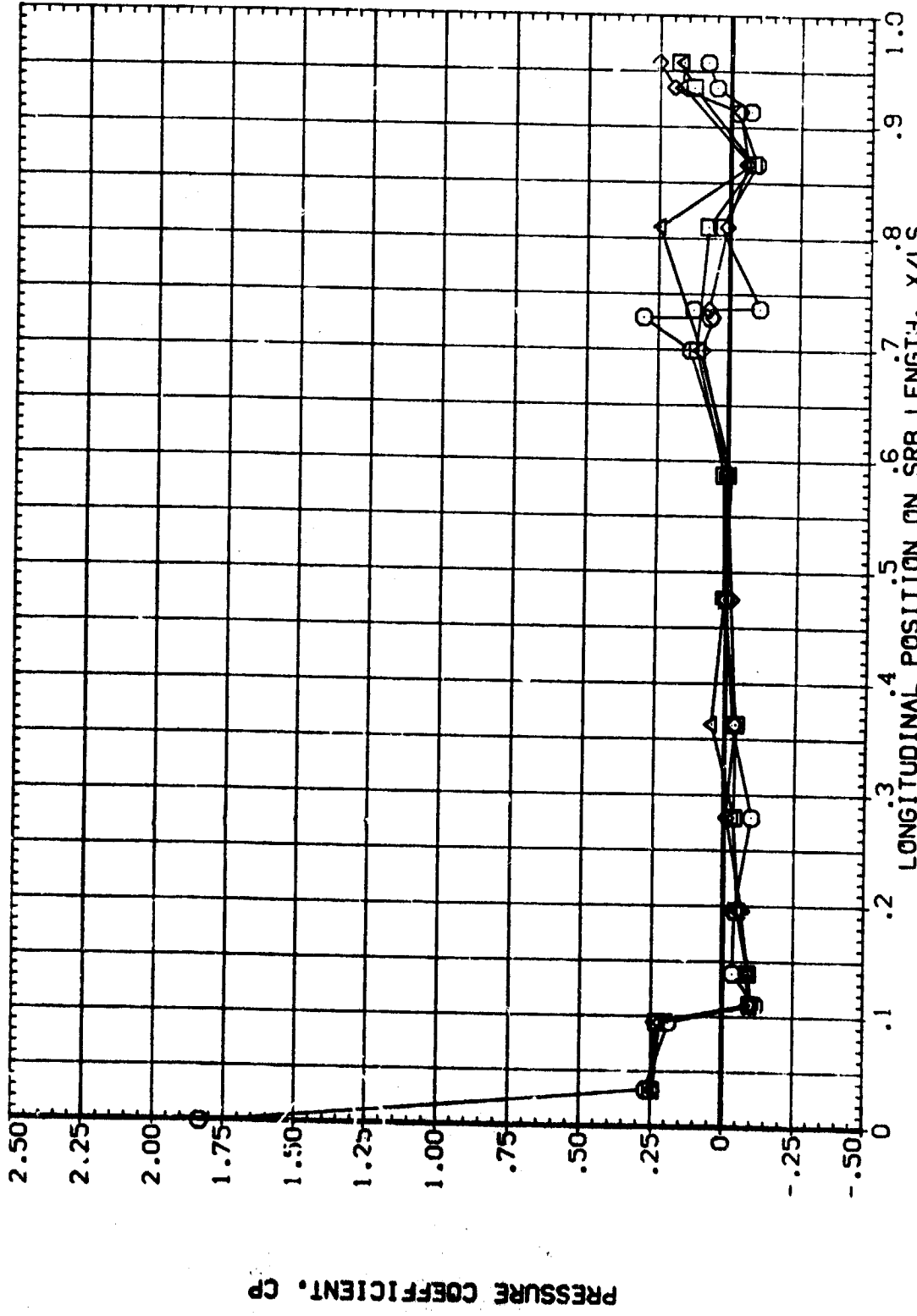


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLH SEALED) SRM BOOSTER (IETS41)

SYMBOL PHI BETAL ALPHAL
 ○ 180.000 .000 .000
 □ 225.000
 △ 270.000
 ◇ 315.000

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

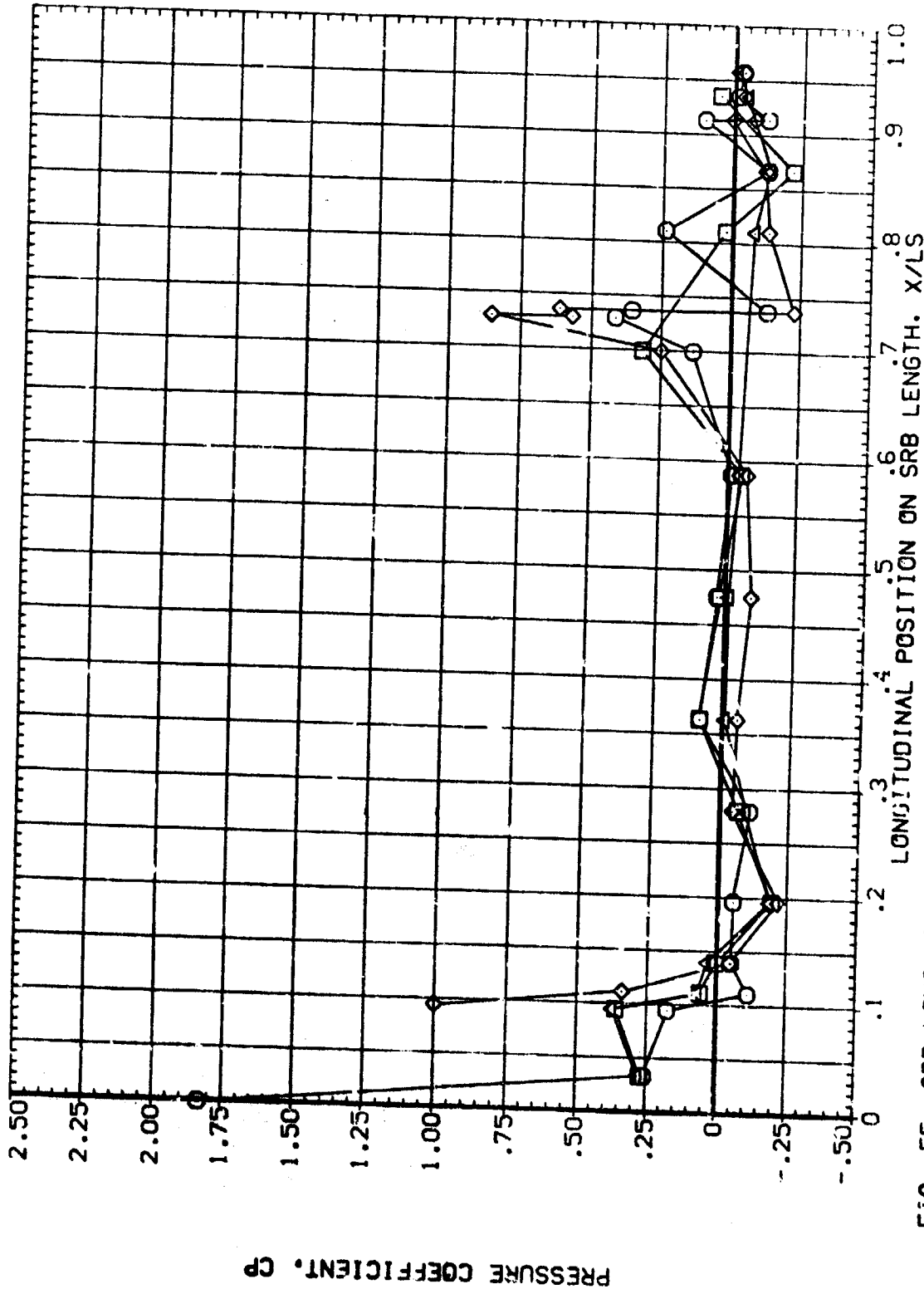


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	.000	ELV-1B	2.200 RN/FT
□	45.000			RUDDER	.000 ELV-0B
◇	90.000				.000 SPOBRK
△	:35.000				.000

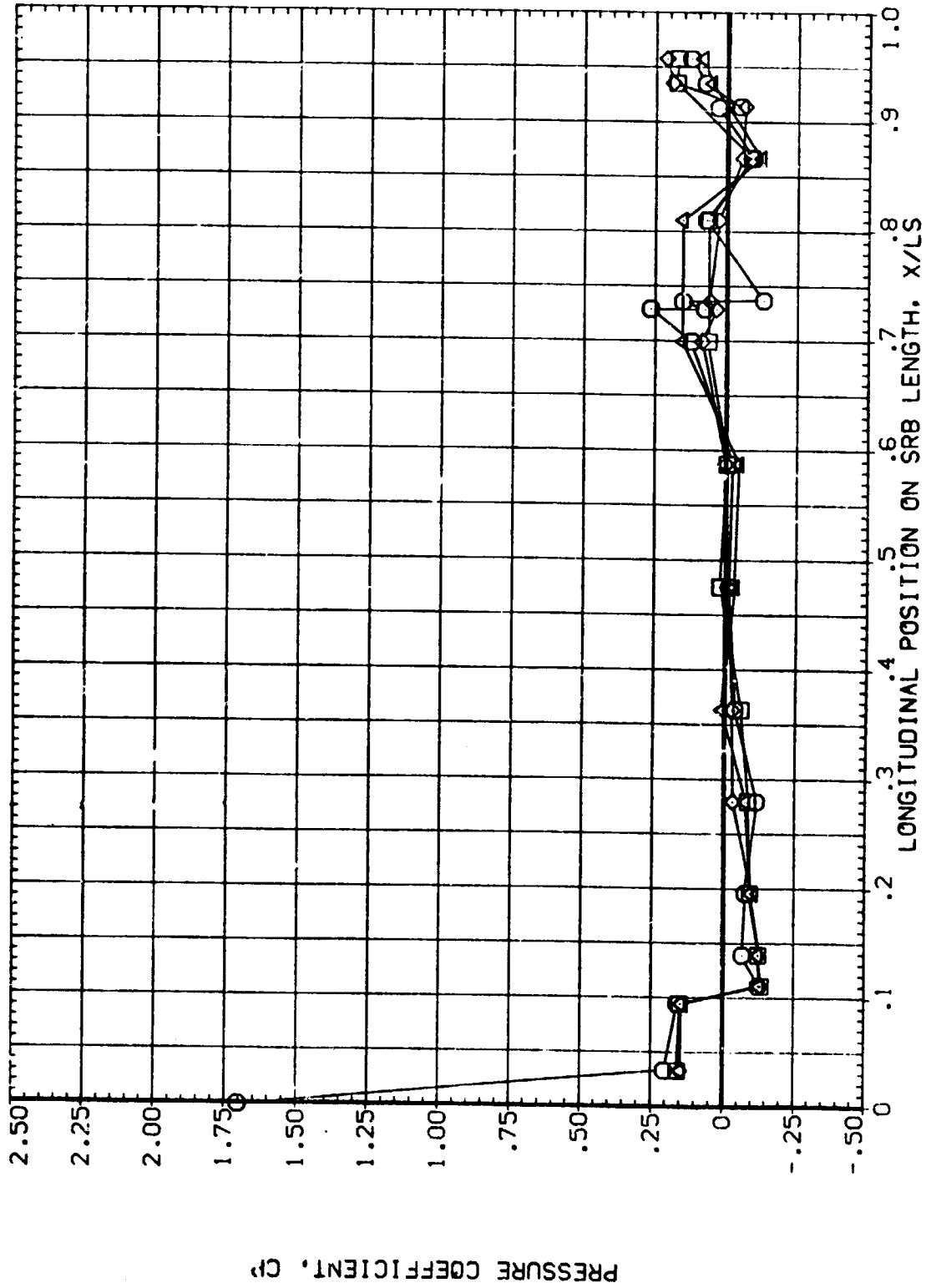


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALL-F SEALED) SRM BOOSTER (IETS41)

PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
.80.000	4.000	.000	ELV-18	2.200
270.000			RUDDER	.000
315.000				ELV-08
				SPDBRK
				2.500
				.000
				.000

SYMBOL	PHI	BETAL	ALPHAL
○	.80.000	4.000	.000
□	270.000		
◇	315.000		

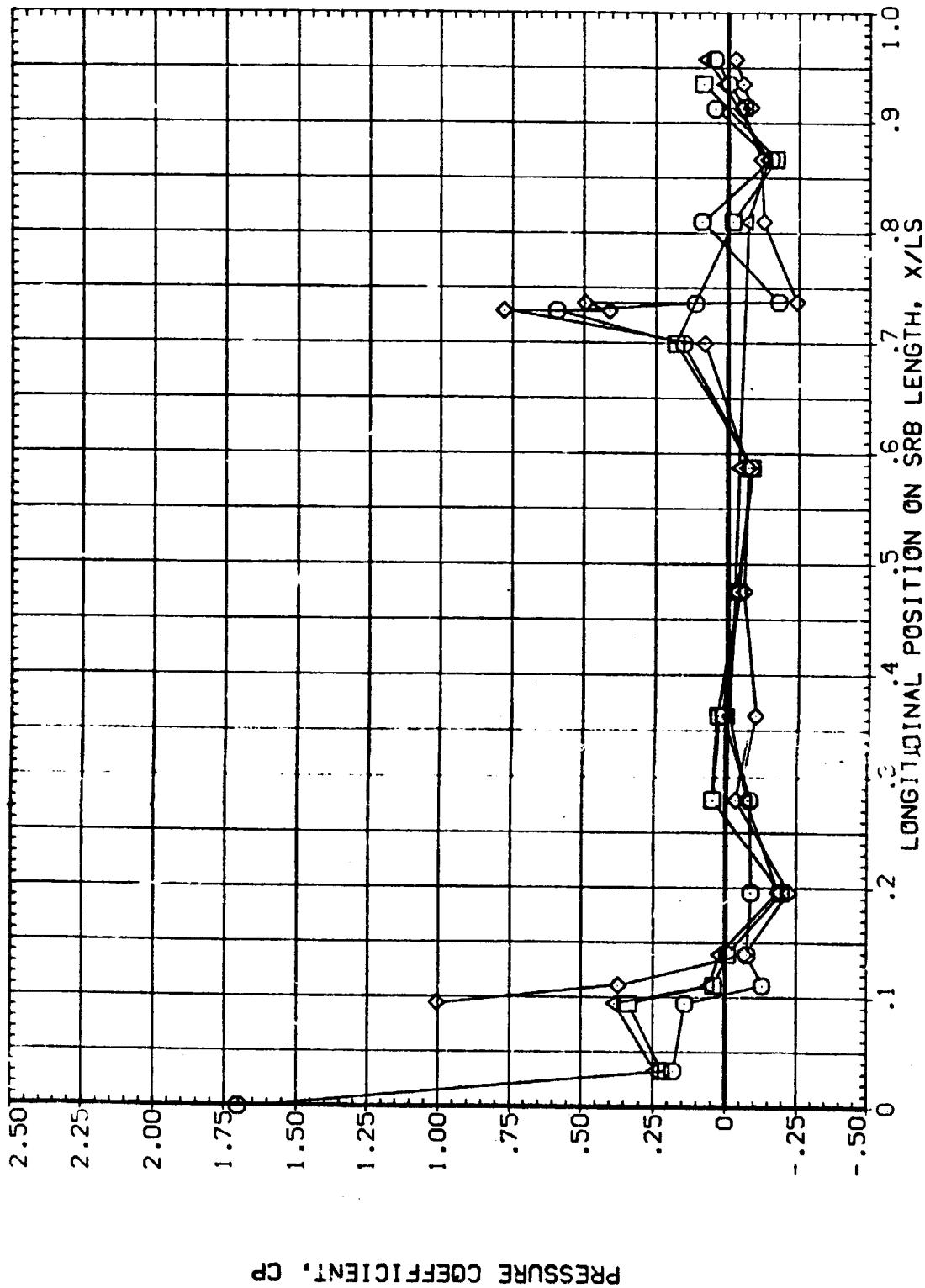


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES		
□	◇	.000	6.000	.000	MACH	2.200	2.500
◇	△	45.000			ELV-18	.000	.000
		90.000			RUDDER	.000	.000
		135.000					

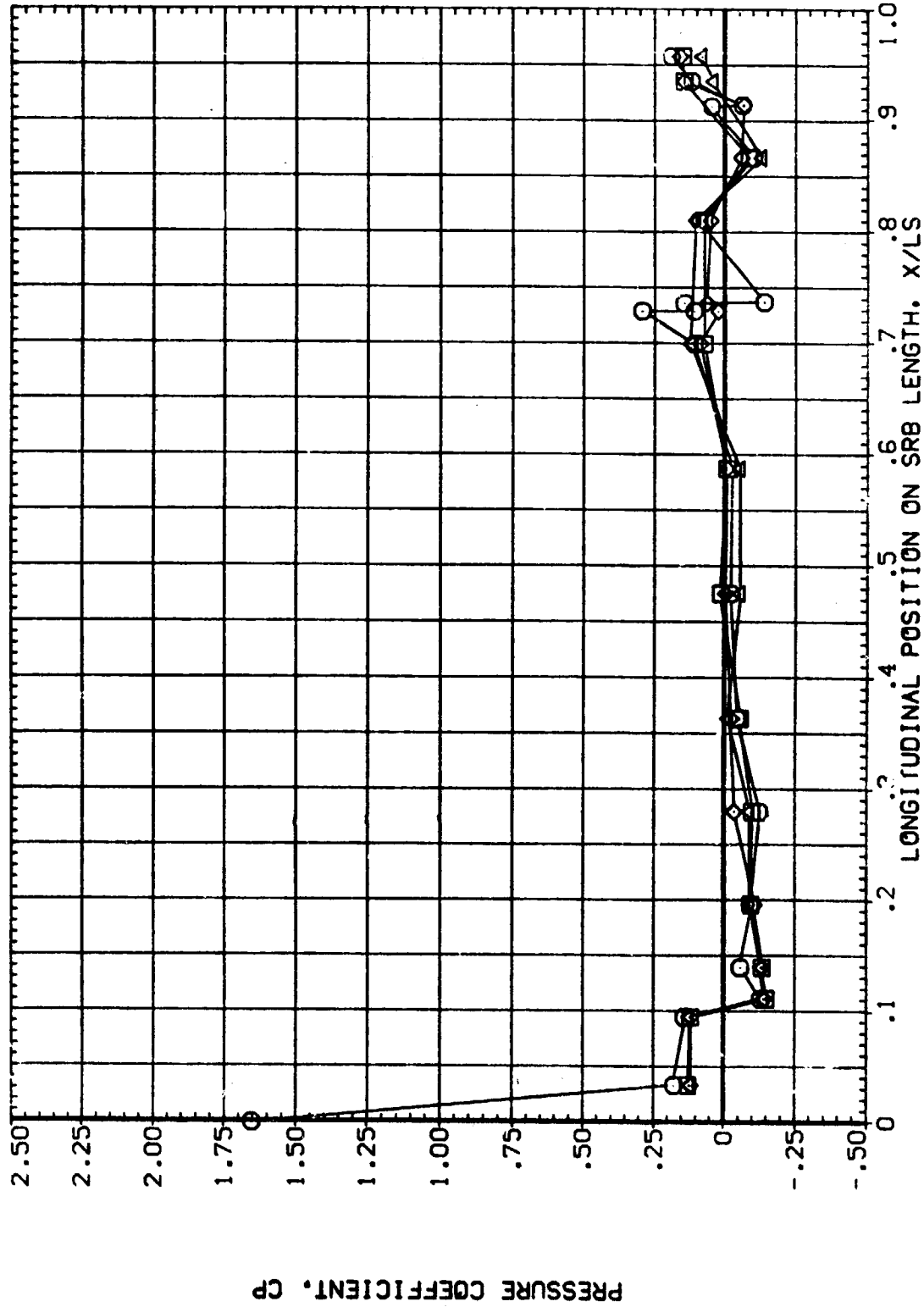


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPD8RK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	HI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.80.000	6.000	.000	ELV-1B	2.200 RN/FT
□	.25.000			RUDDER	.000 ELV-OB
◇	270.000				.000 SPDBRK
▽	315.000				.000

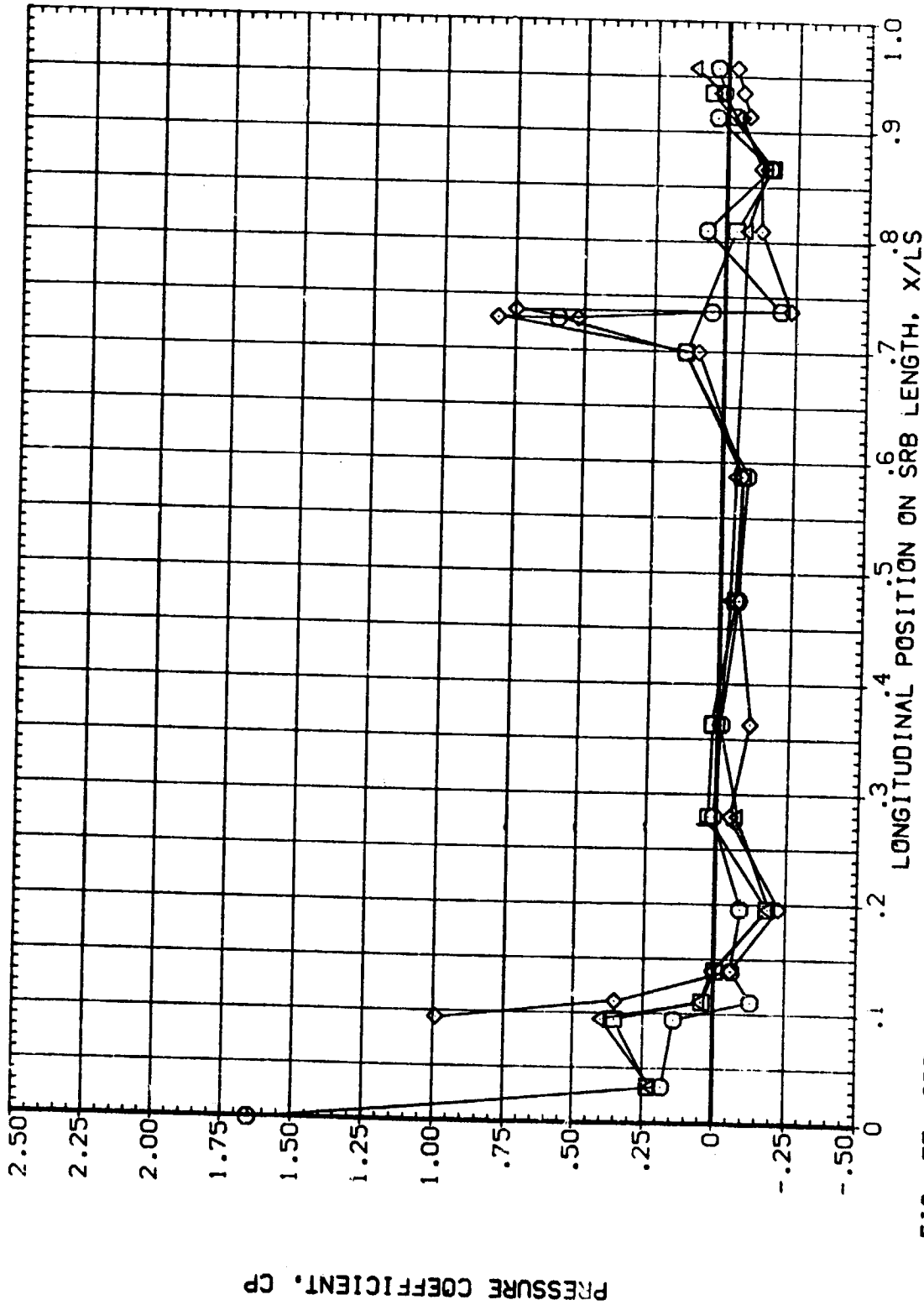


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	-4.000	4.000	ELV-1B	2.200 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPDBRK
△	135.000				.000

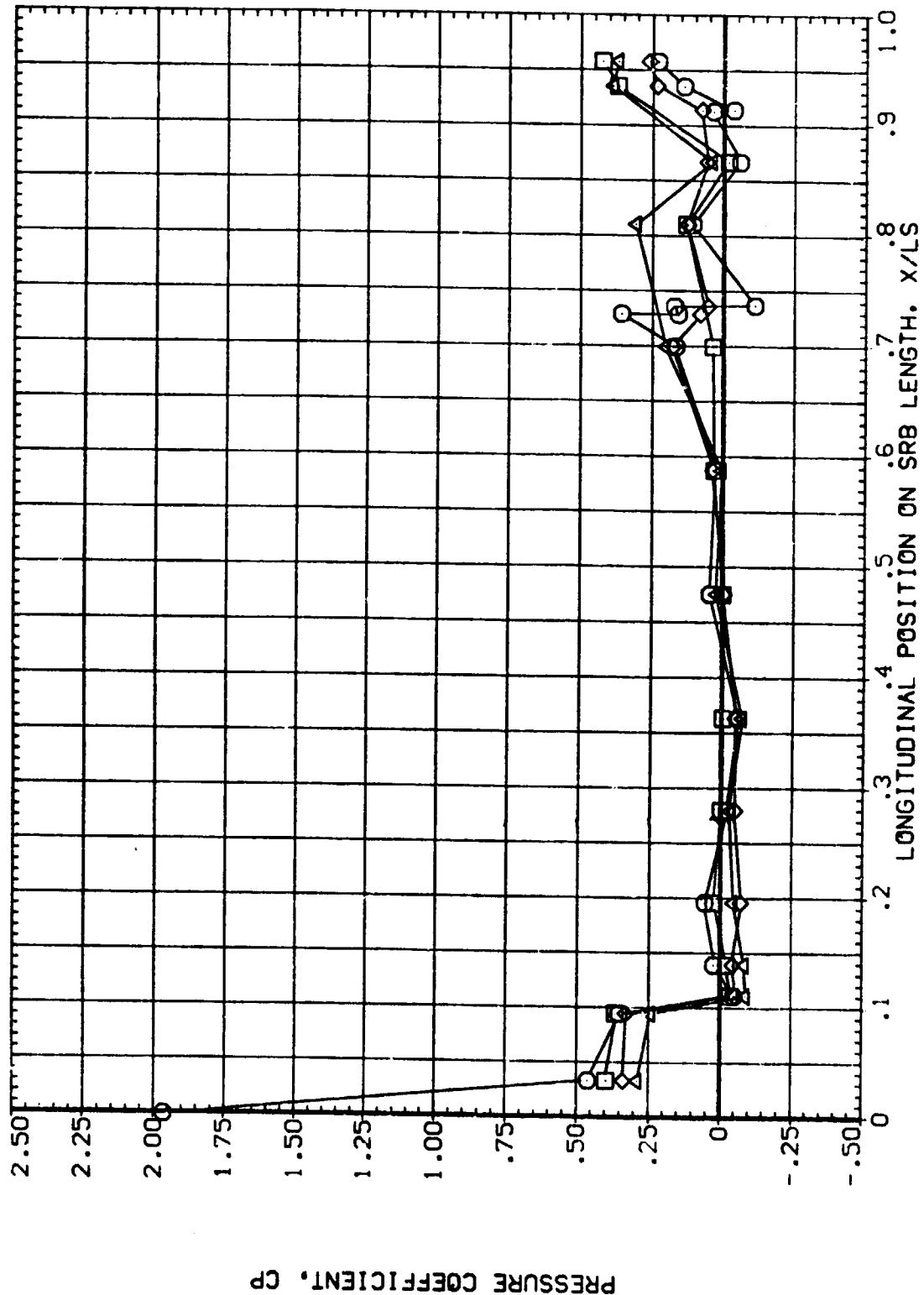


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 (A81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
○	180.000	-4.000	4.000	ELV-1B	2.200 RN/FT
□	225.000			RUDDER	.000 ELV-08
◇	270.000				.000 SPDBRK
△	315.000				.000

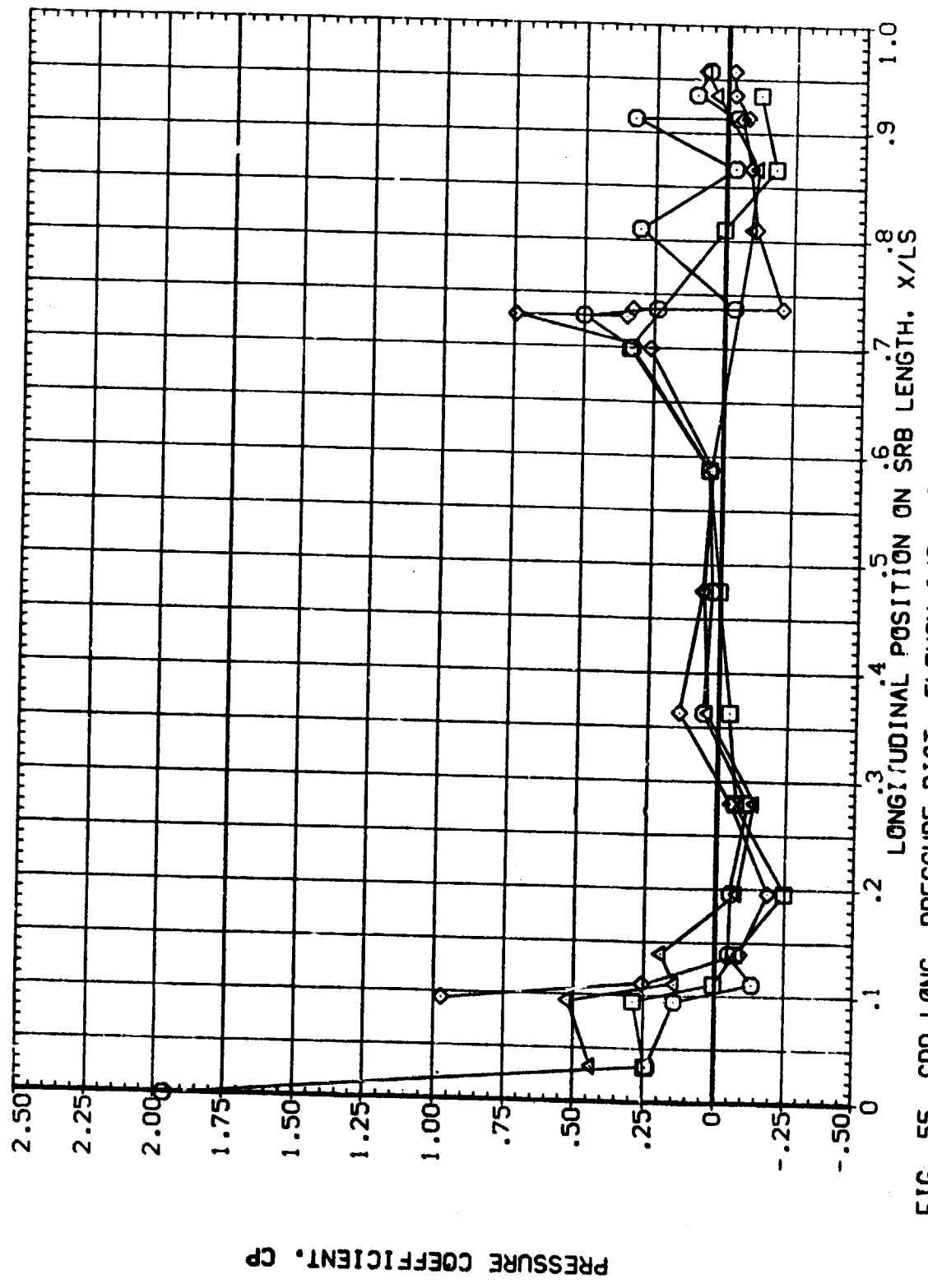


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	□	.000	.000	4.000	MACH	2.200	RN/FT	2.500
◇	△	45.000			ELV-08	.000	ELV-08	.000
		90.000			RUDDER	.000	SPOBRK	.000
		:35.000						

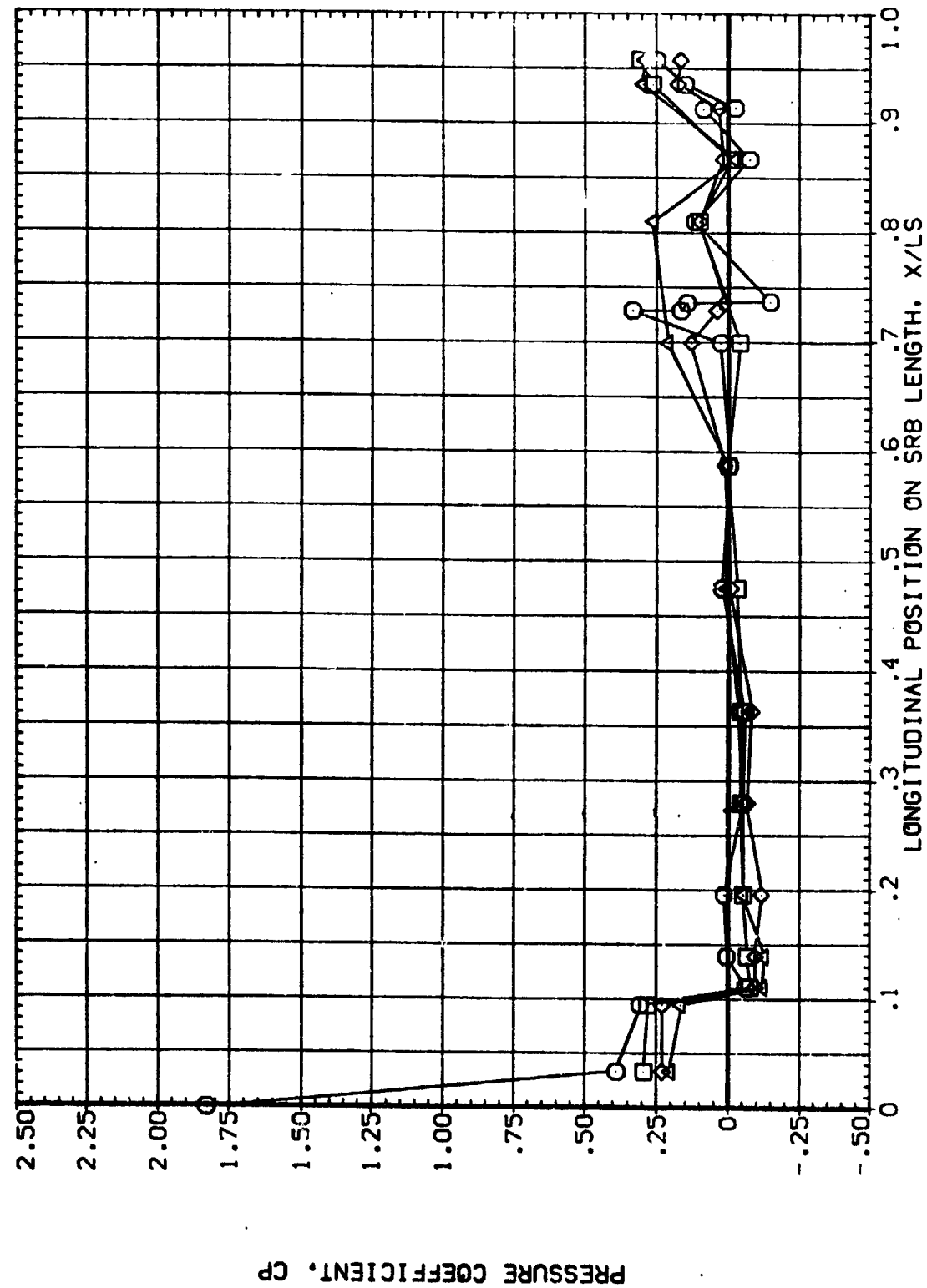


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IAS1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
□	.80.000	.000	4.000	ELV-18	2.200
◇	.25.000	.000		RUDDER	.000
△	.270.000				.000
	.315.000				.000

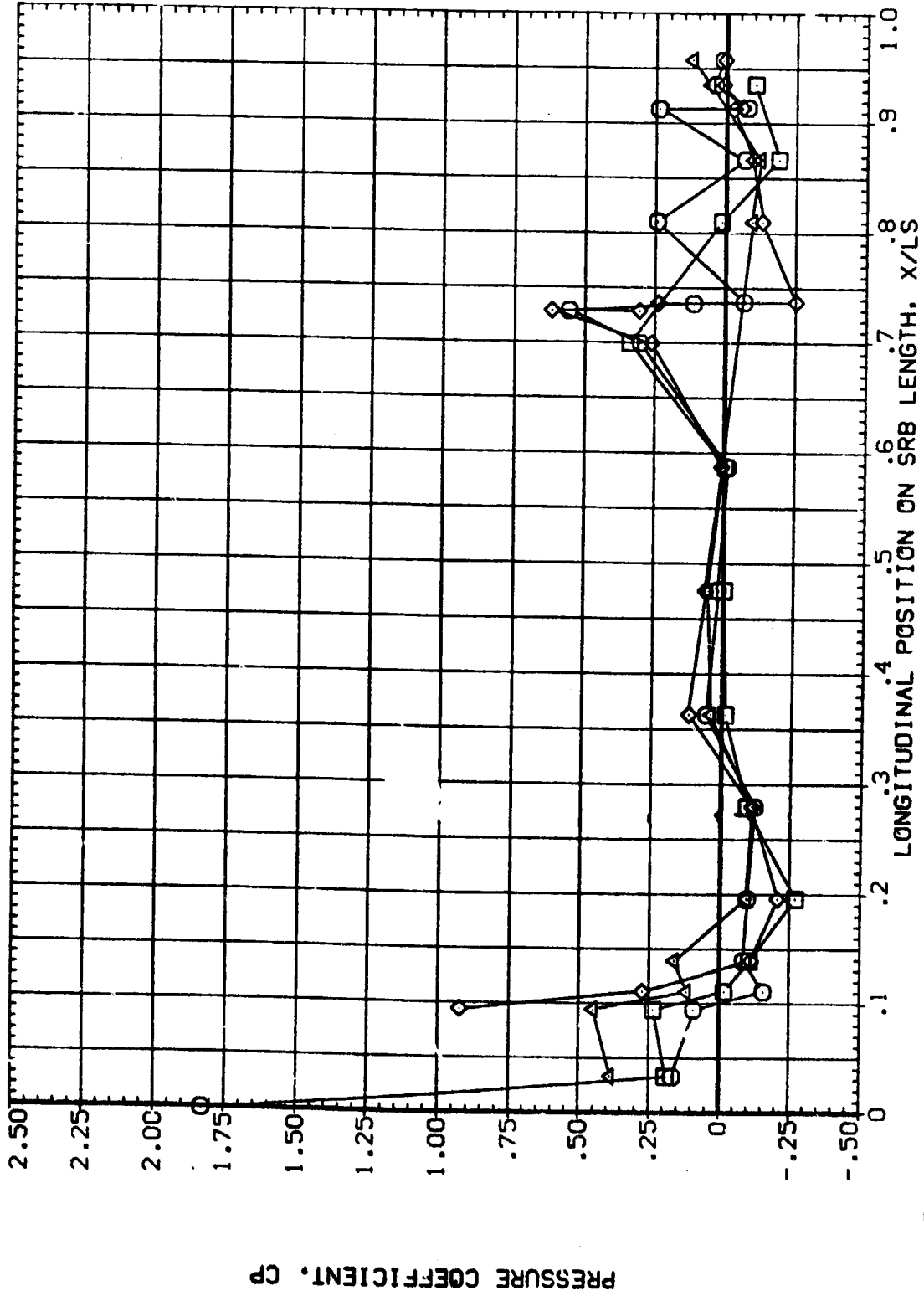


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-18	2.200 RN/FT
□	45.000			RUDDER	.000 ELV-08
◇	90.000				.000 SPDBRK
△	135.000				.000

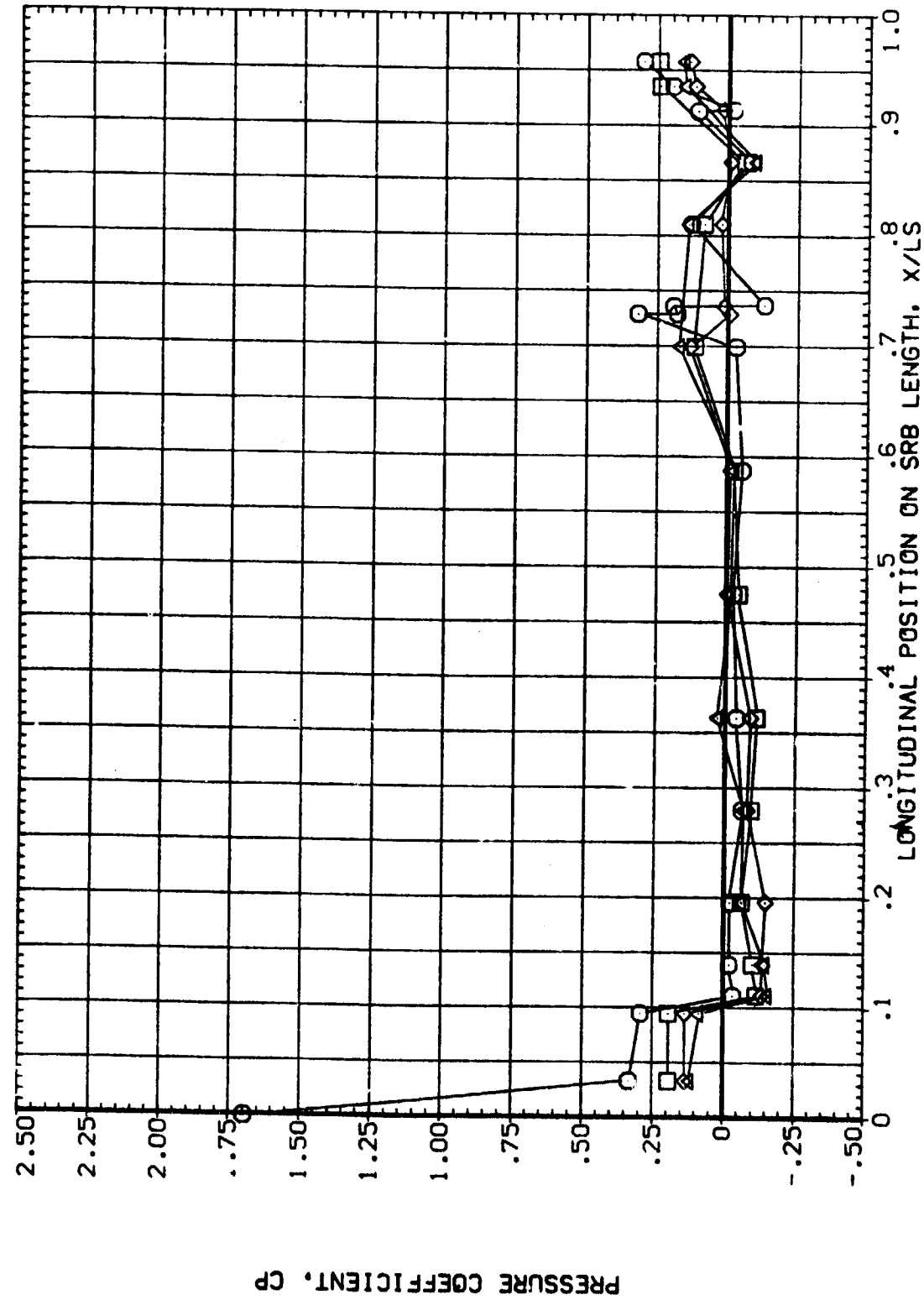


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL
 ○ □ ◇ △

PHI
 :90.000
 :75.000
 :270.000
 :315.000

BETAL
 4.000

ALPHAL
 4.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.200 RN/FT
 .000 ELV-08
 .000 SPDBRK

2.500
 .000
 .000

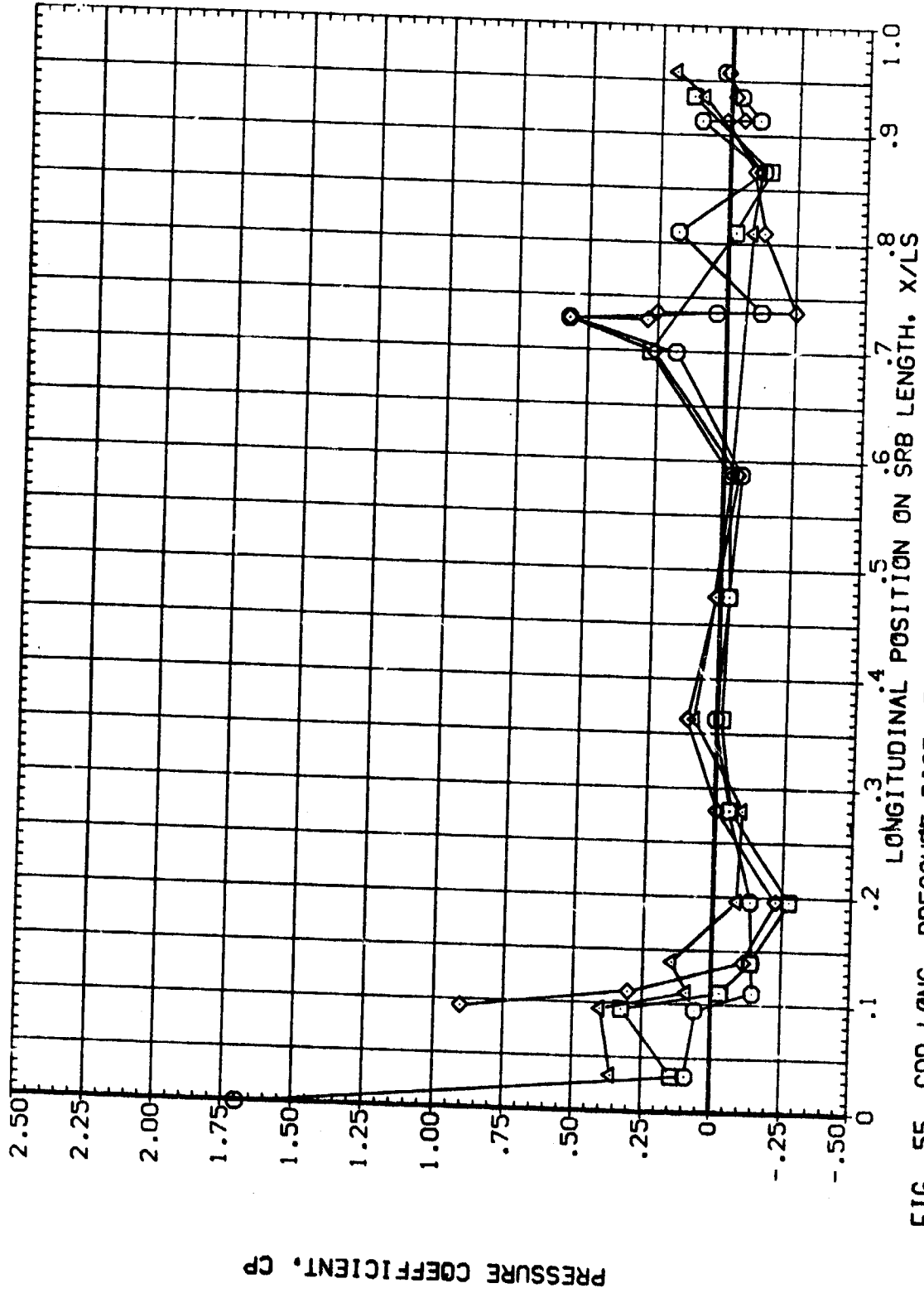


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	6.000	ELV-18	RN/FT 2.500
□	45.000	.000		RUDDER	ELV-08 .000
◇	90.000				SPOBRK .000
△	:35.000				

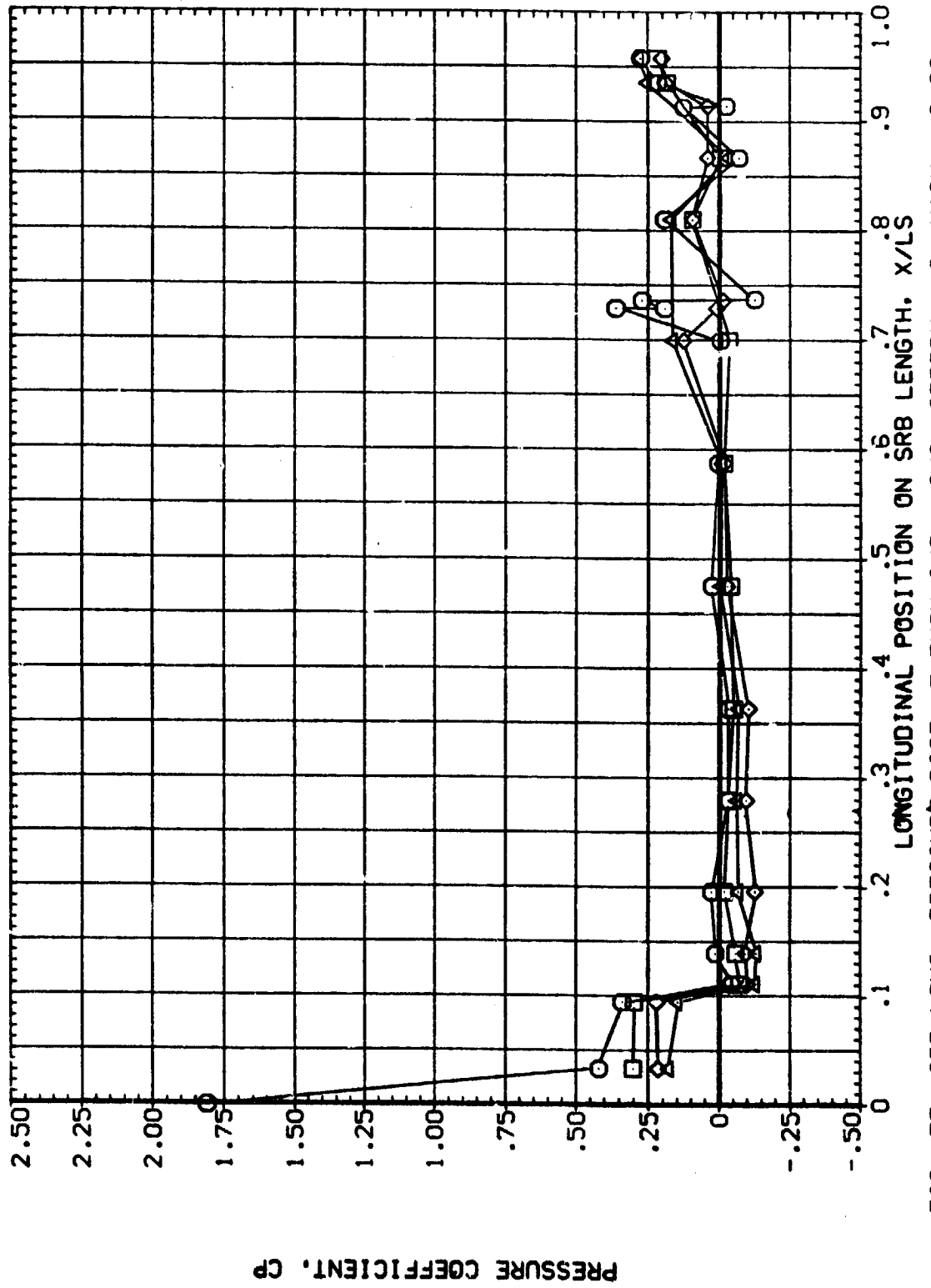


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS41)

SYMBOL PMI BETA ALPHA
 ○ 80.000 .000 6.000
 □ 25.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-08 .000 ELV-08 .000
 RUDDER .000 SPOBRK .000

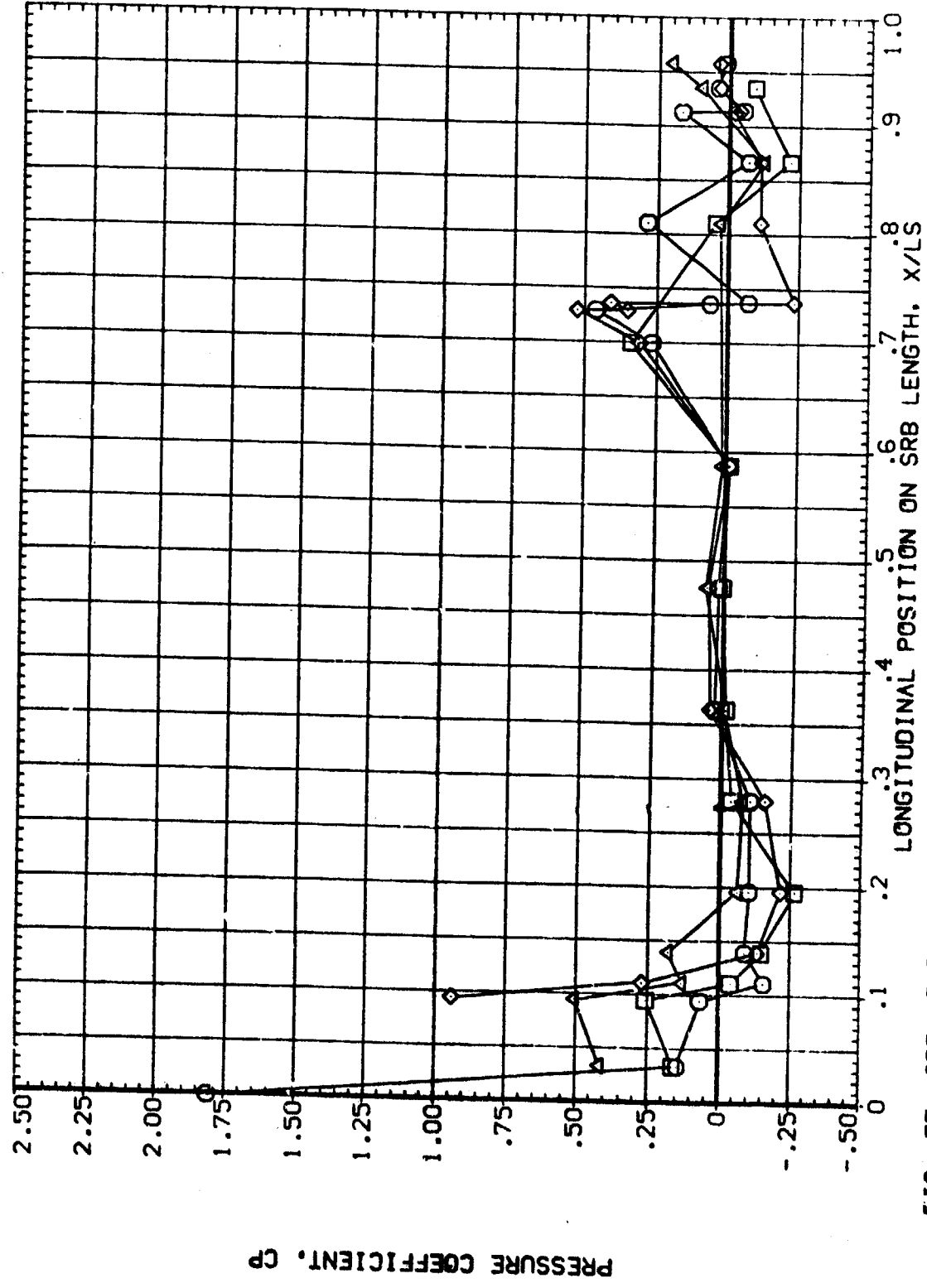


FIG. 55 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL PHI BETAL ALPHAL
 ○ 45.000
 □ 90.000
 ◇ 135.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPDBRK .000

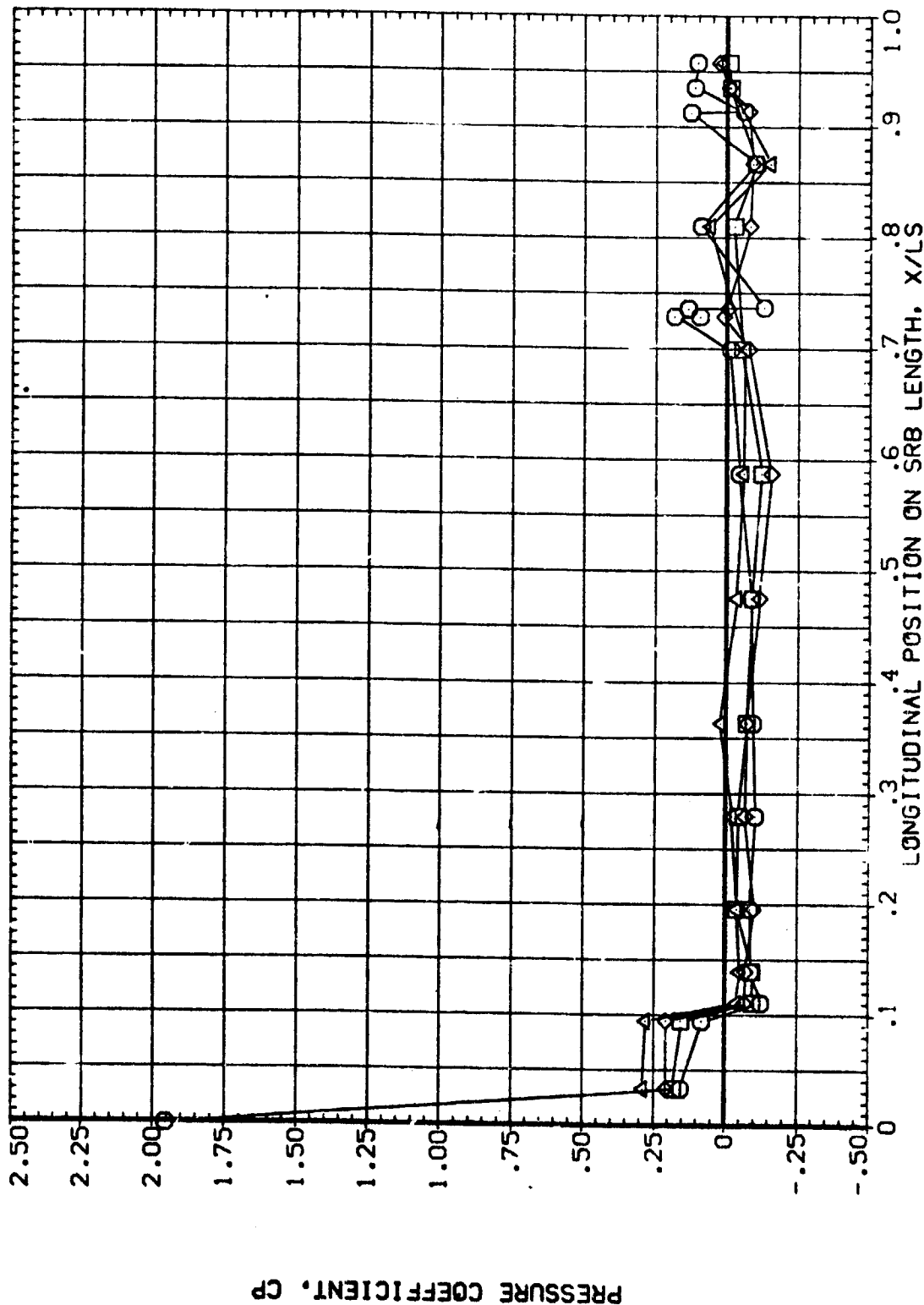


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL		PHI	SETAL	ALPHAL	PARAMETRIC VALUES		
○		180.000	.000	-6.000	2.500	RN/FT	2.500
□		225.000			.000	ELV-OR	.000
◇		270.000				SPDBRK	.000
△		315.000					

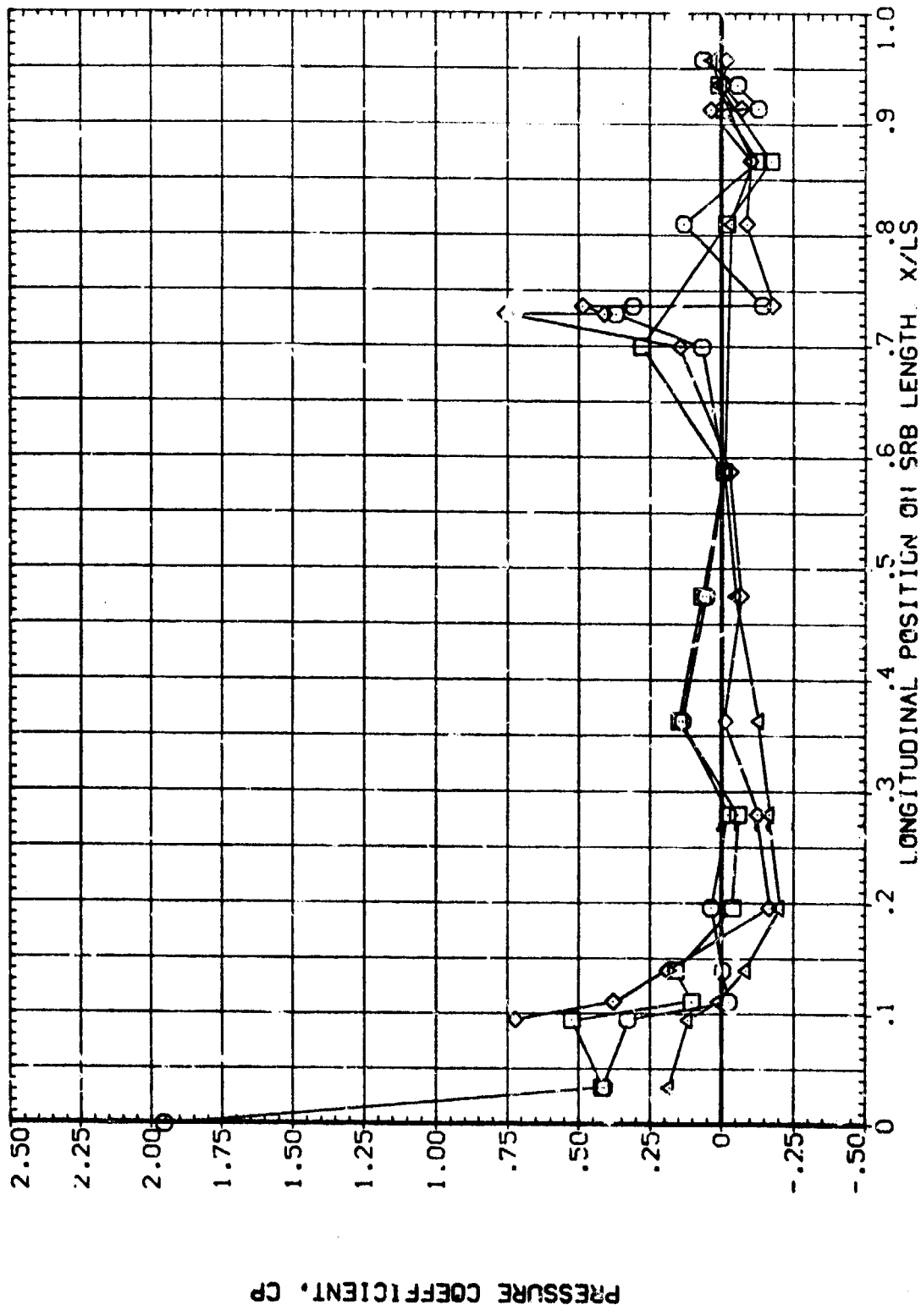


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA L	ALPHA L	MACH	PARAMETRIC VALUES
○	.000	-4.000	-4.000	ELV-IB	2.500
□	45.000			RUDDER	.000
◇	90.000				ELV-OB
△	:35.000				SPDBRK
					.000

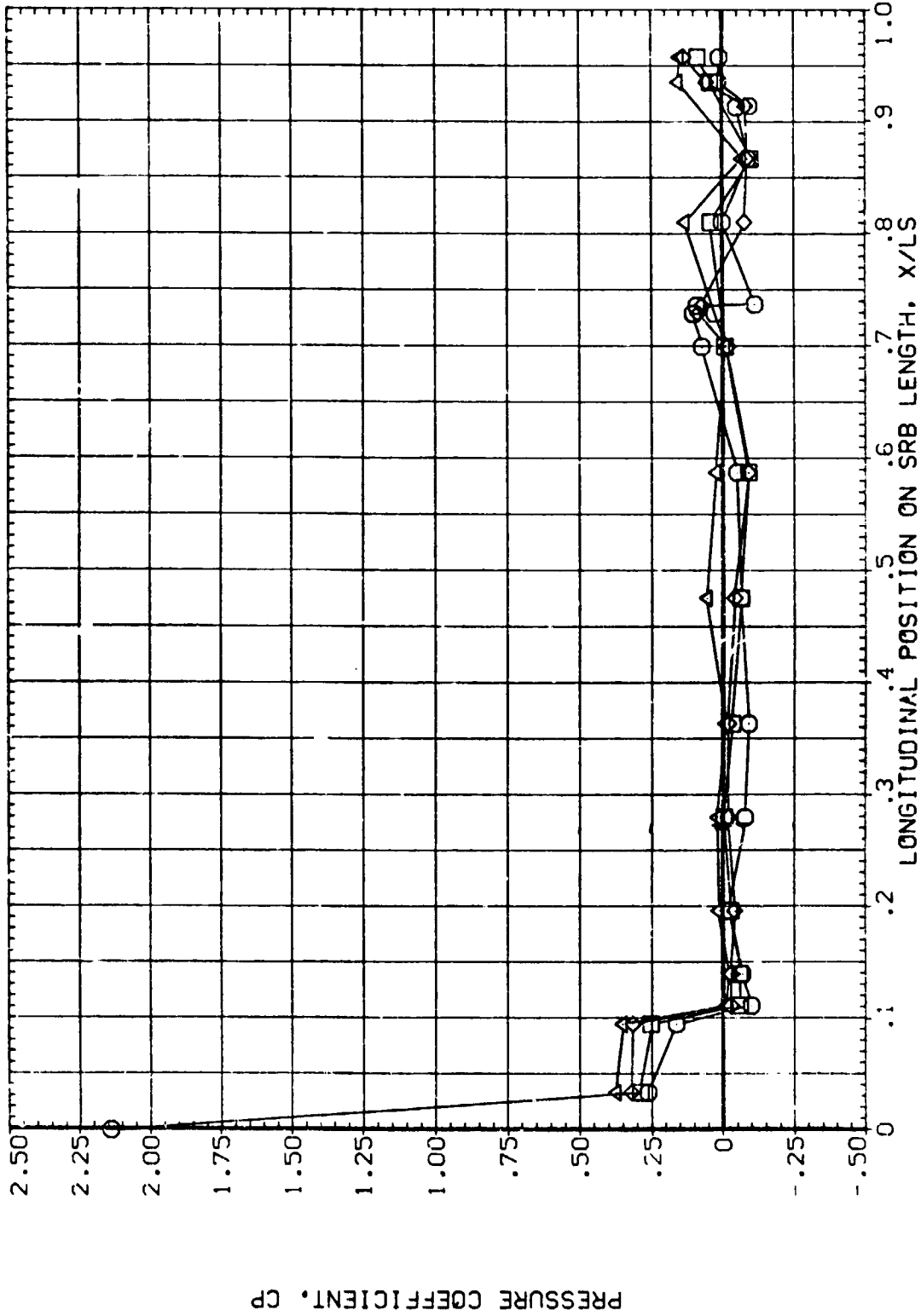


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 (A. L VAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	180.000	-4.000	-4.000	MACH	2.500	RN/FT	2.500
□	25.000			ELV-1B	.000	ELV-0B	.000
◇	270.000			RUDDER	.000	SPDBRK	.000
△	315.000						

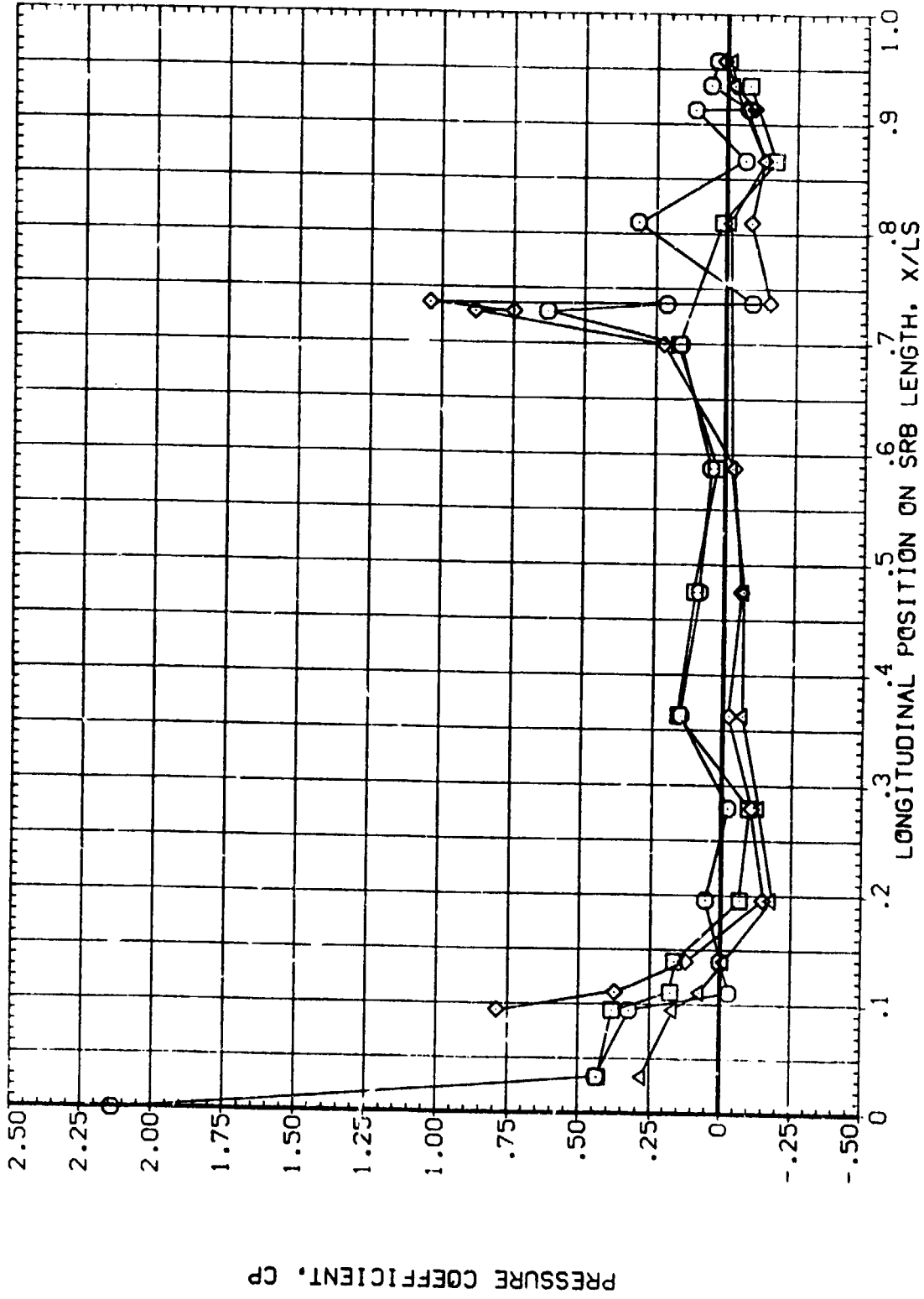


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 (A81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	.000	-4.000	ELV-1B	2.500 RN/FT
□	45.000			RUDDER	.000 ELV-0B
◇	90.000				.000 SPDBRK
△	135.000				

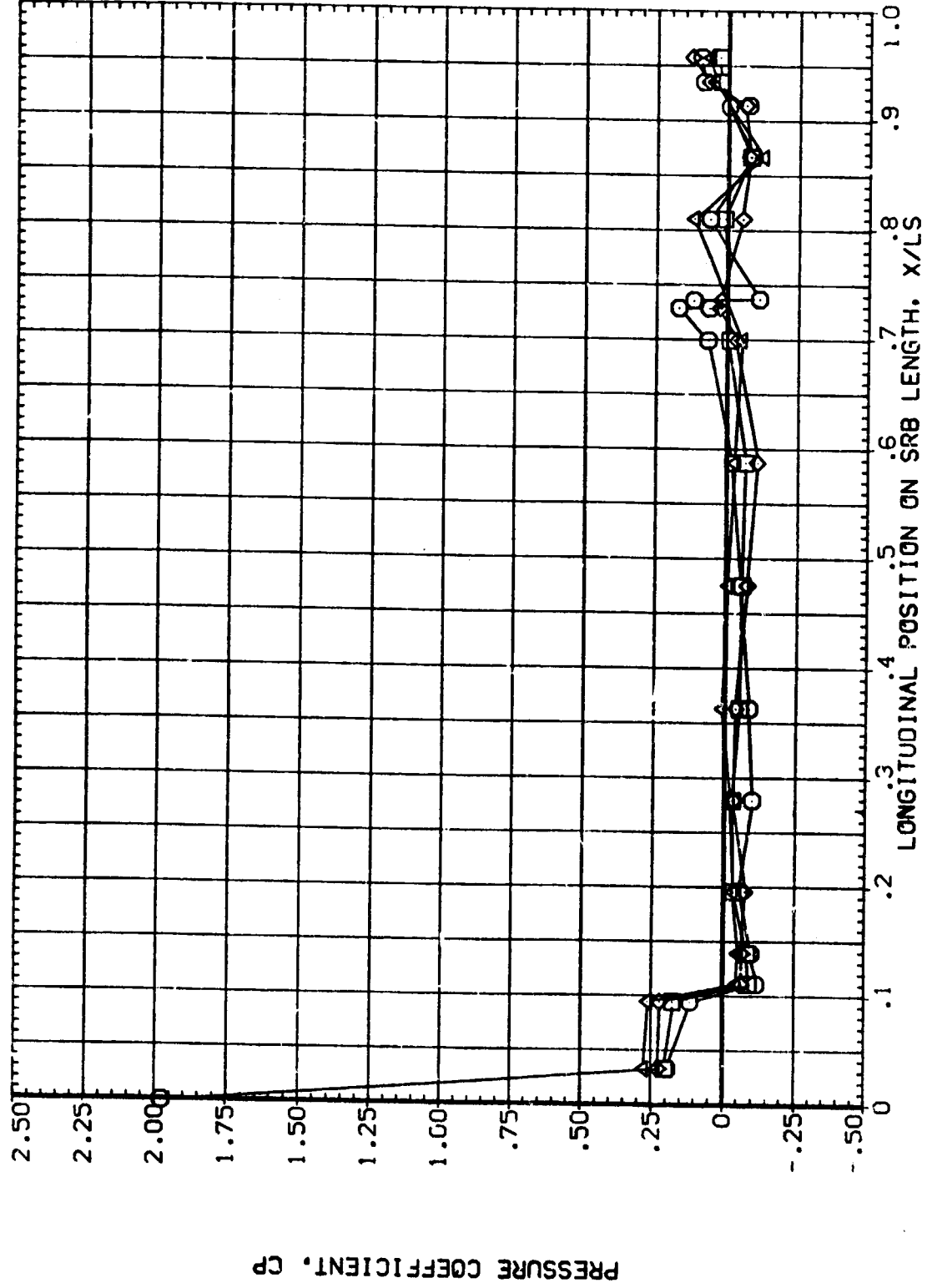


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PMI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	80.000	.000	-4.000	ELV-18	2.500
□	25.000			RUDDER	.000
◇	270.000				.000
△	315.000				.000

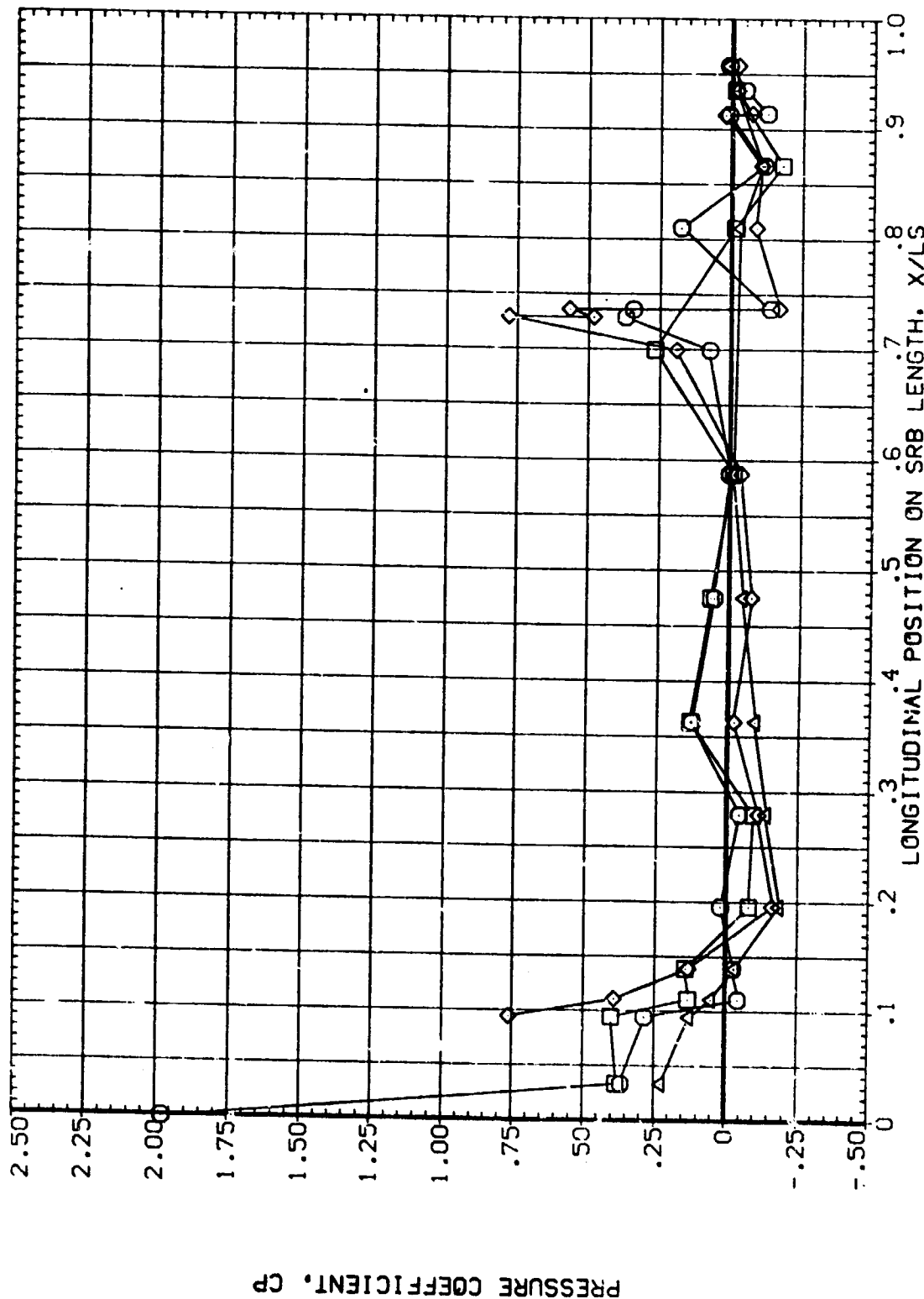


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL PHI BETAL ALPHAL
 ○ .000 4.000 -4.000
 □ 45.000
 ◇ 90.000
 △ :35.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

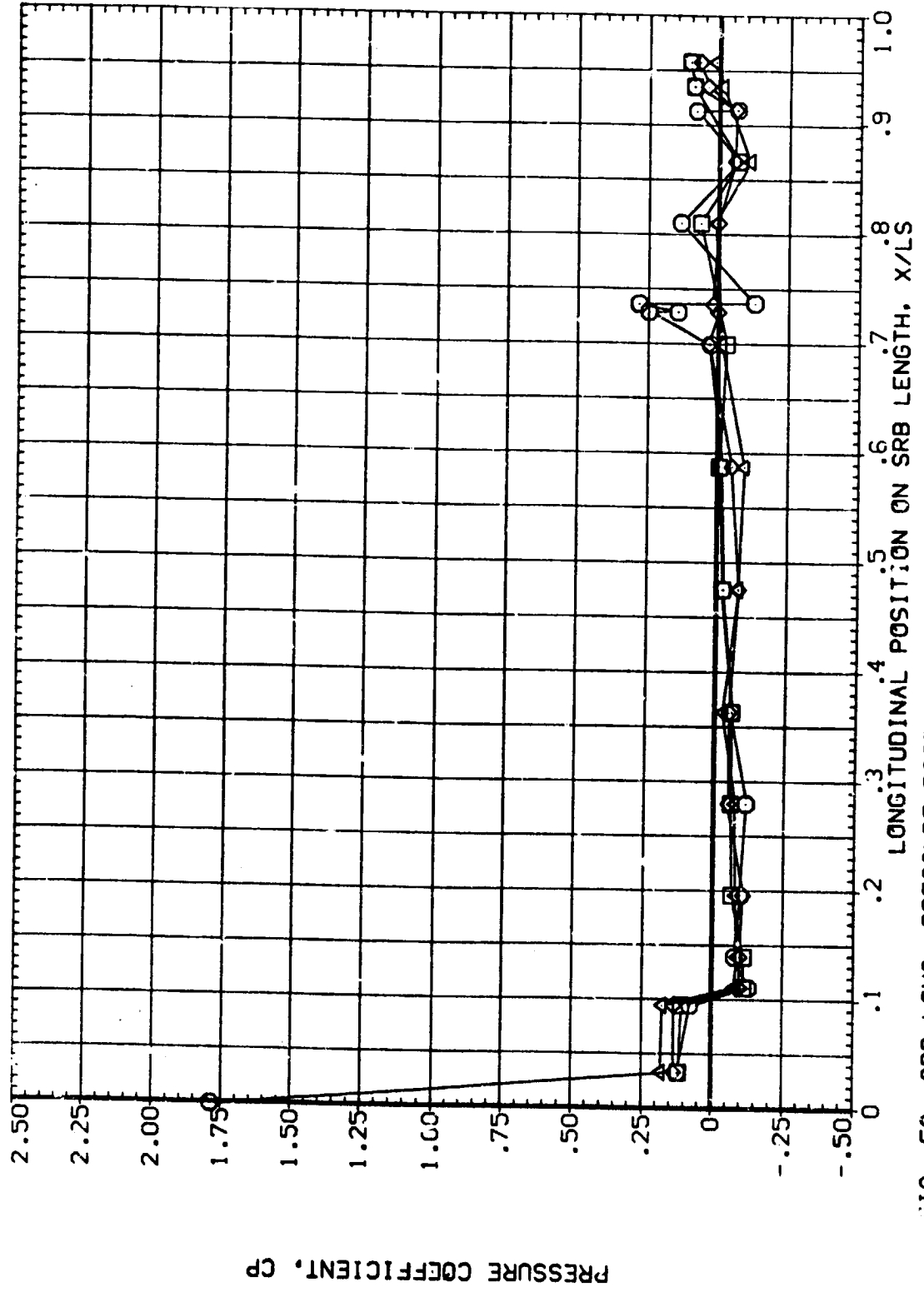


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETAL	ALPHAL	MACH	PARAMETRIC VALUES
○	.80.000	4.000	-4.000	2.500	RN/FT 2.500
□	225.000			.000	ELV-OB .000
◇	270.000			.000	SPDBRK .000
△	315.000				

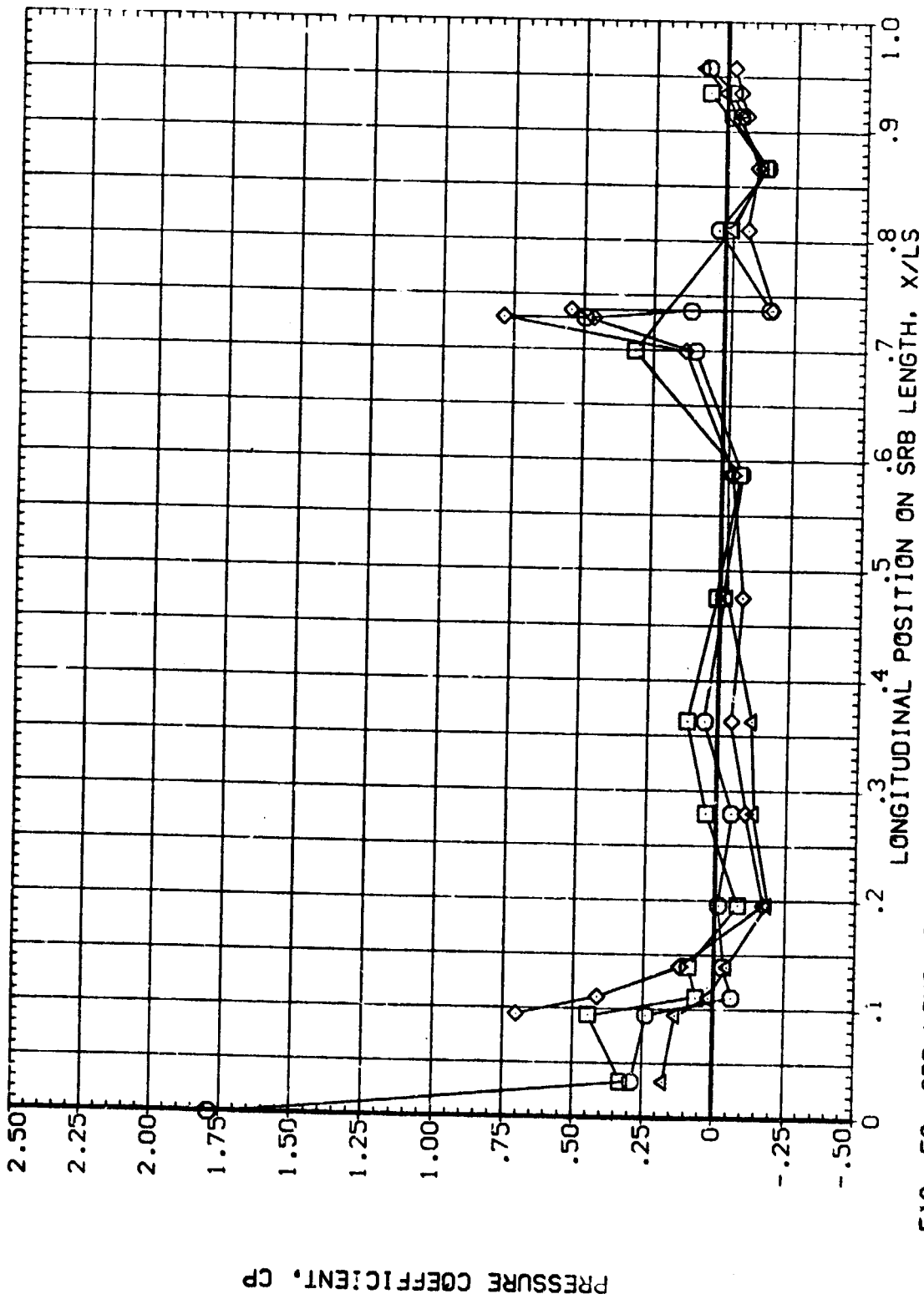


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAF(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
□	.000	-6.000	.000	ELV-IB	2.500
◇	45.000			RUDDER	.000
△	90.000				ELV-OB
	:35.000				SPBRK
					.00L

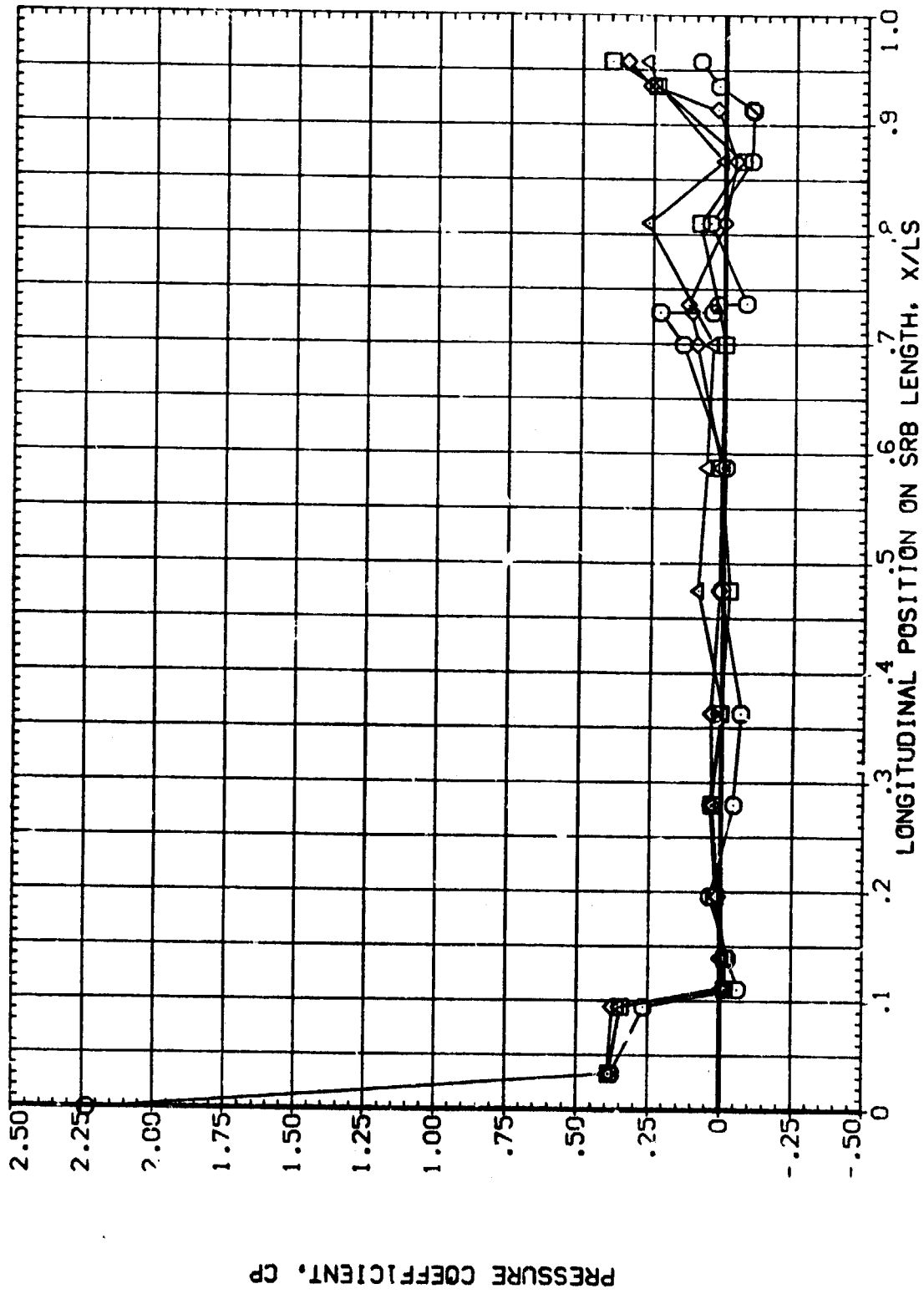


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	190.000	-6.000	.000	ELV-18	2.500 RN/FT
□	25.000			RUDDER	.000 ELV-08
◇	270.000				.000 SPDBRK
△	315.000				.070

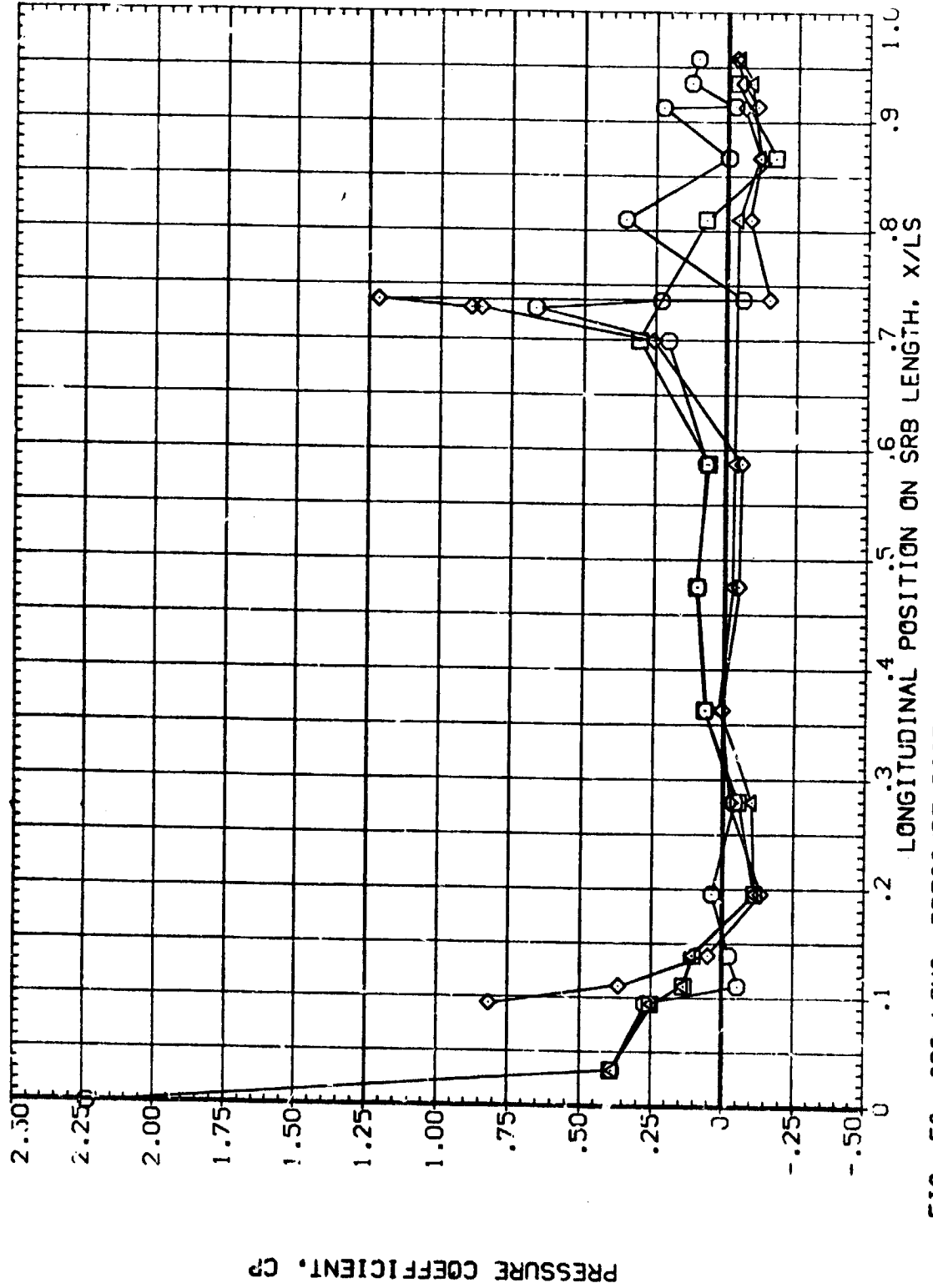


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES			
○		.000	-4.000	.000	MACH	2.500	RN/FT	2.500
□		45.000			ELV-1B	.000	ELV-08	.000
◇		90.000			RUDDER	.000	SPDBRK	.000
△		135.000						

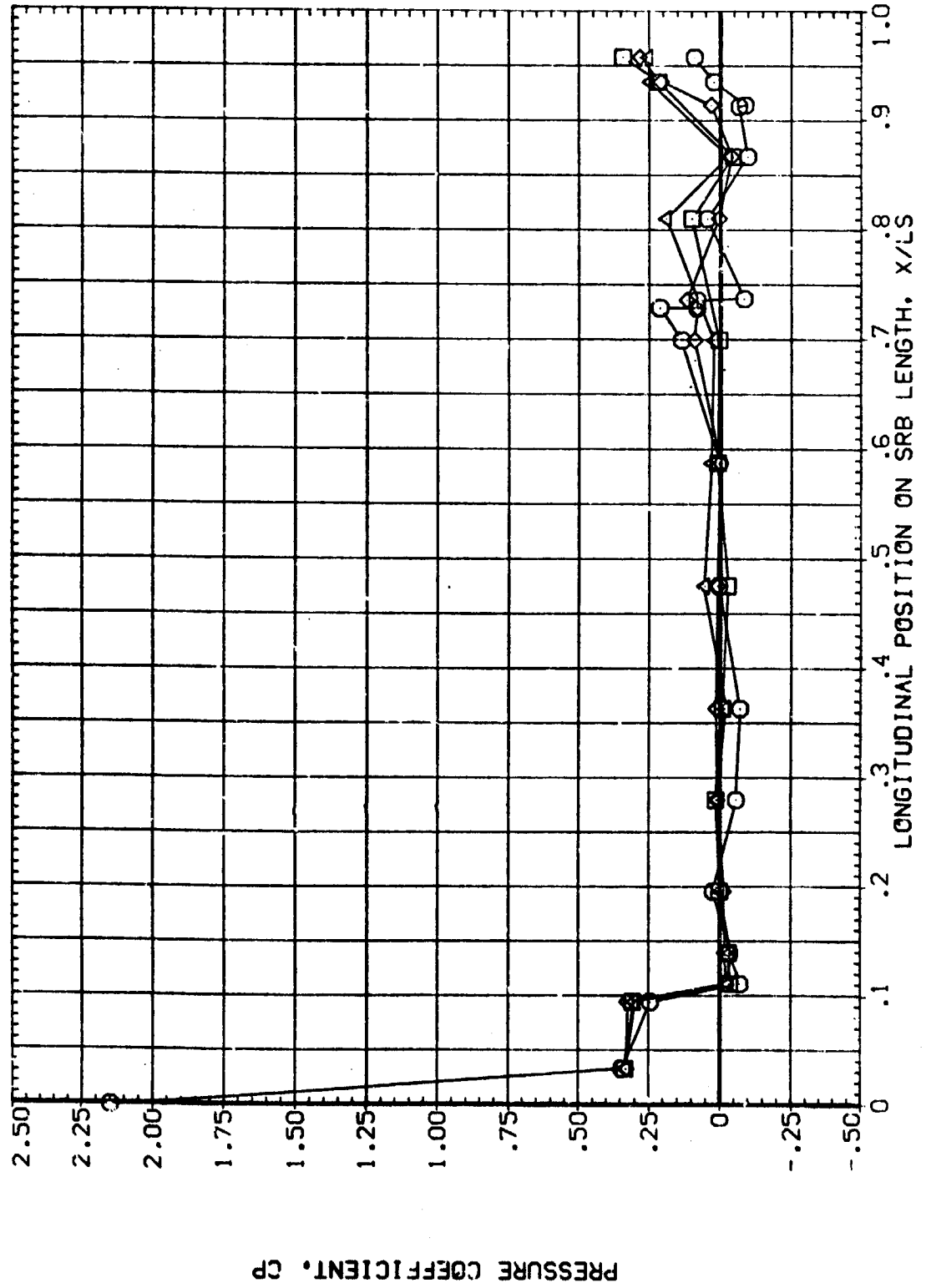


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL PHI BETAL ALPHAL
 ○ :80.000 -4.000 .000
 □ :23.000
 ◇ :70.000
 △ :15.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-1B .000 ELV-08 .000
 RUDDER .000 SPDRBK .000

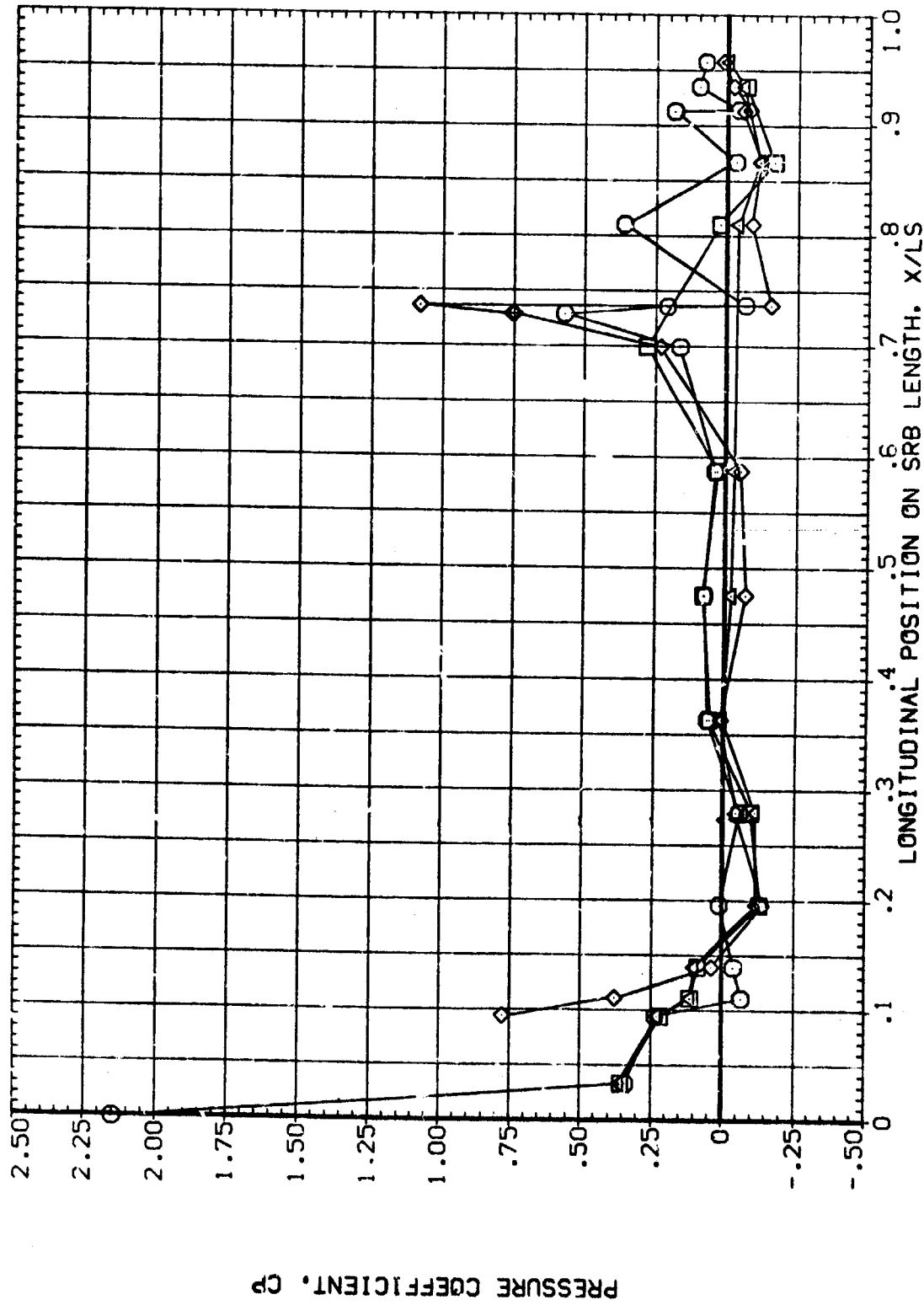


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDRBK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	PARAMETRIC VALUES			
○	.000	.000	.000	MACH	2.500	RM/FT	2.500
□	45.000			ELV-IB	.000	ELV-DB	.000
◇	90.000			RUDDER	.000	SPOBRK	.000
△	:35.000						

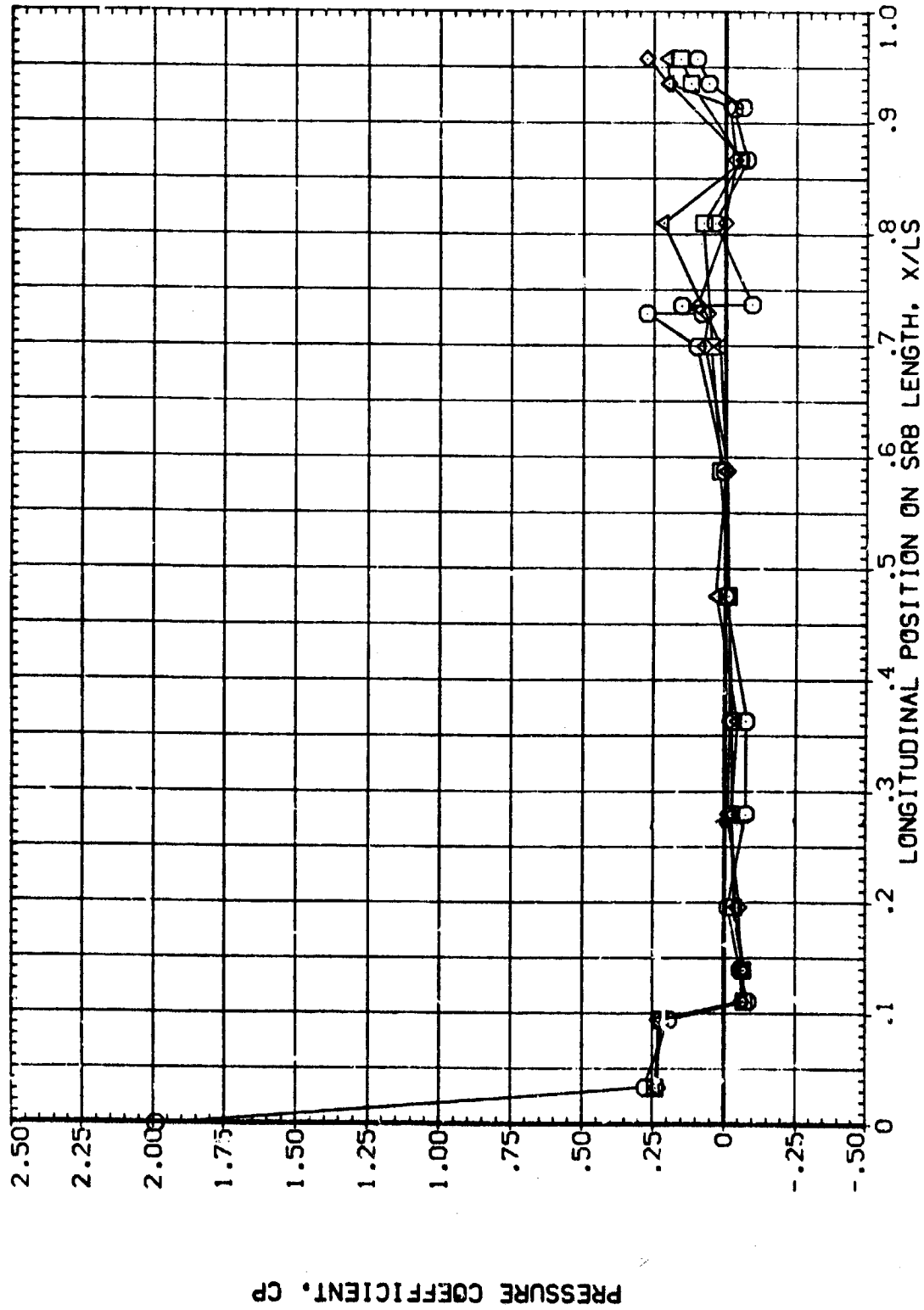


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI		BETA		ALPHA		PARAMETRIC VALUES			
	:80.000	:225.000	:.000	:.000	:.000	:.000	MACH	RN/FT	ELV-DB	SPDBRK
○	270.000						2.500	.000	.000	.000
□	315.000						2.500	.000	.000	.000
◇							2.500	.000	.000	.000
△							2.500	.000	.000	.000

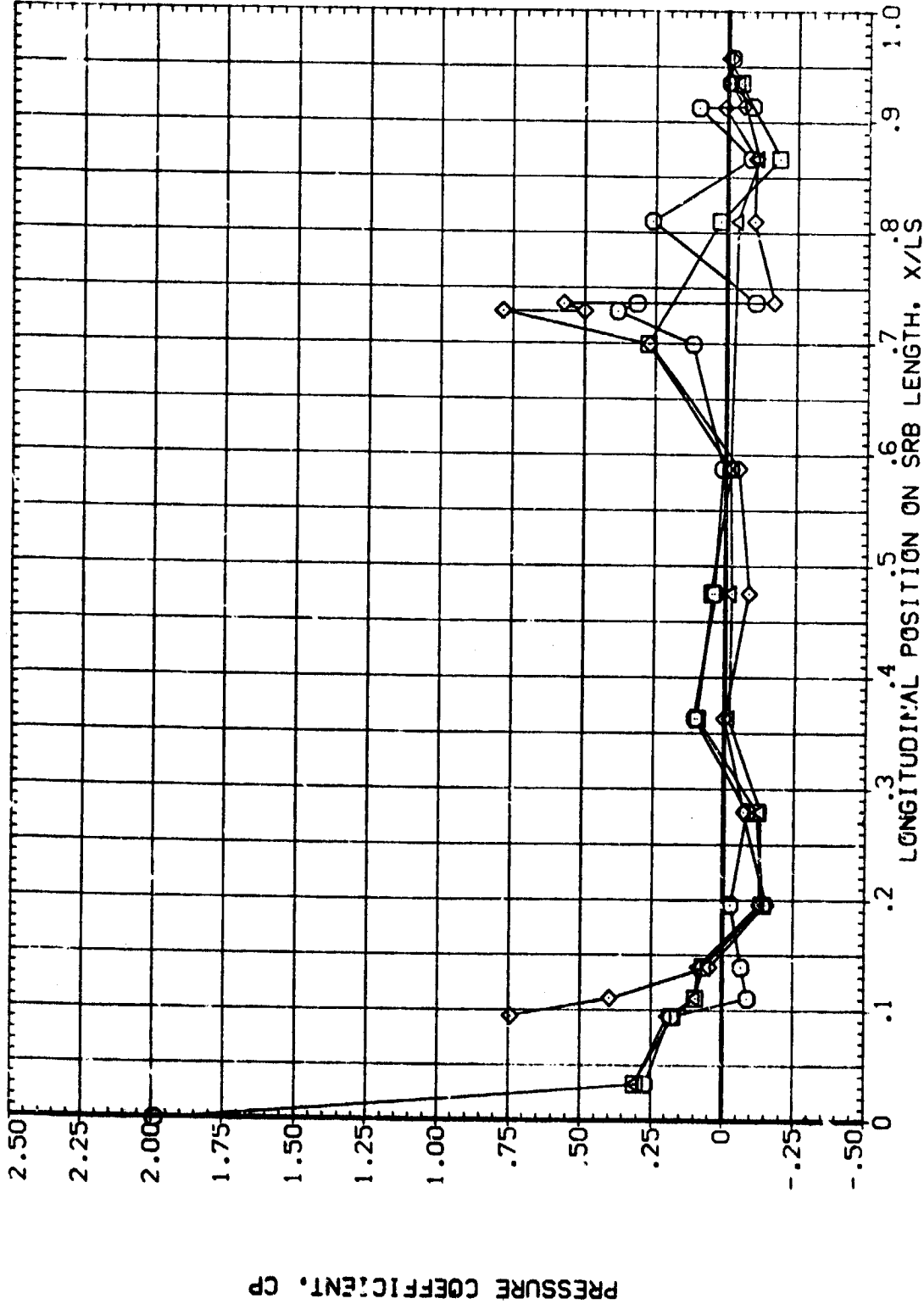


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.000	4.000	.000	2.500	RN/FT
□	45.000			.000	ELV-OB
◇	90.000			.000	SPDBRK
△	135.000			.000	

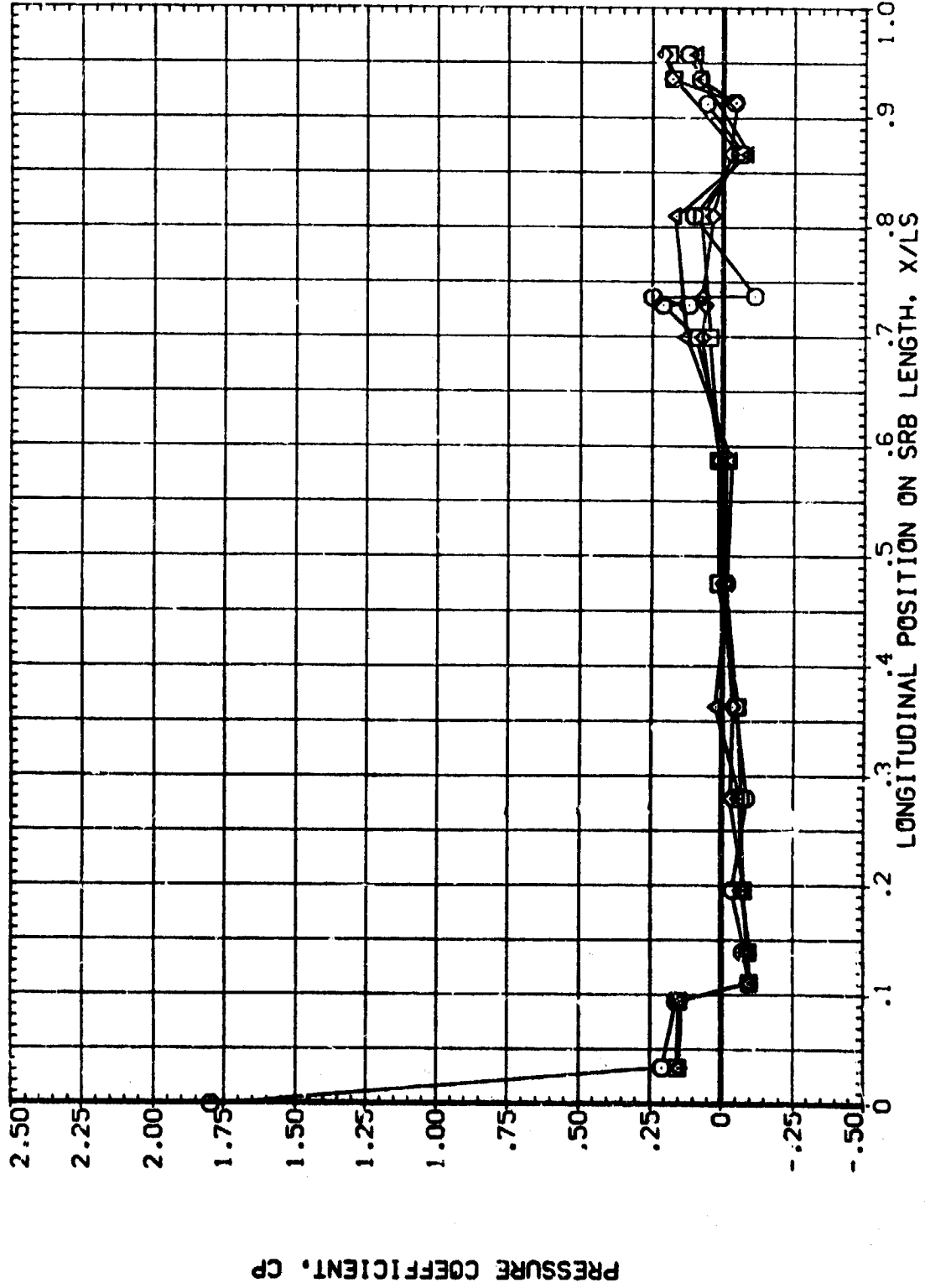


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PM1	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	80.000	1.000	.000	ELY-1B	2.500 RN/FT
□	25.000			RUDDER	.000 ELV-DB
◇	270.000				.000 SPDBRK
△	315.000				.000

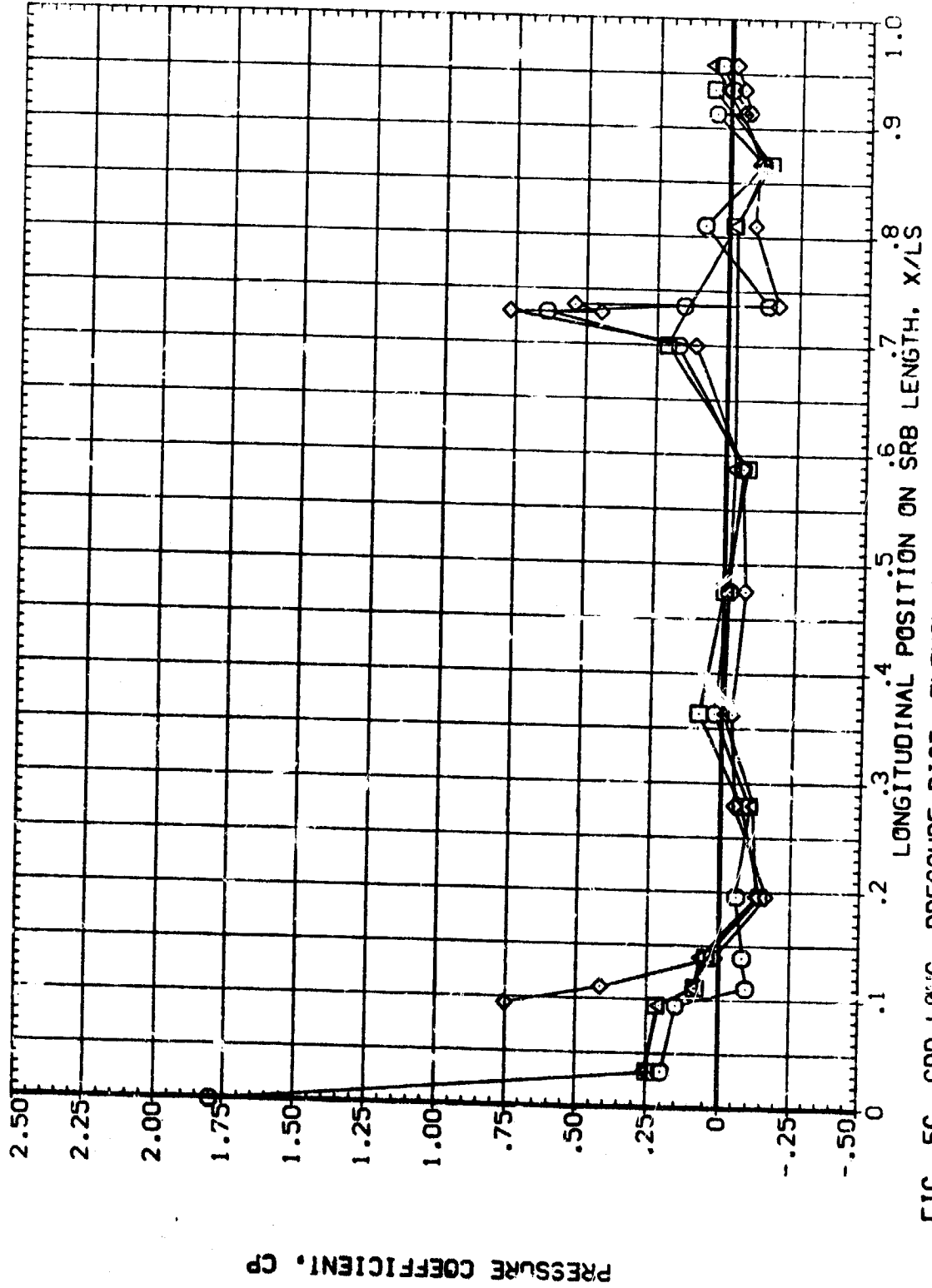


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC 01-019 (A8) LVAP (ALL HL SEALED) SRM BOOSTER (IETS42)

PHI	.000	REYN	6.000	ALPHA	.000	MACH	2.500	RN/FT	2.500
SYMBOL	○					ELV-1B	.000	ELV-0B	.000
	□					RUDDER	.000	SPOBRK	.000
	◇								
	△								

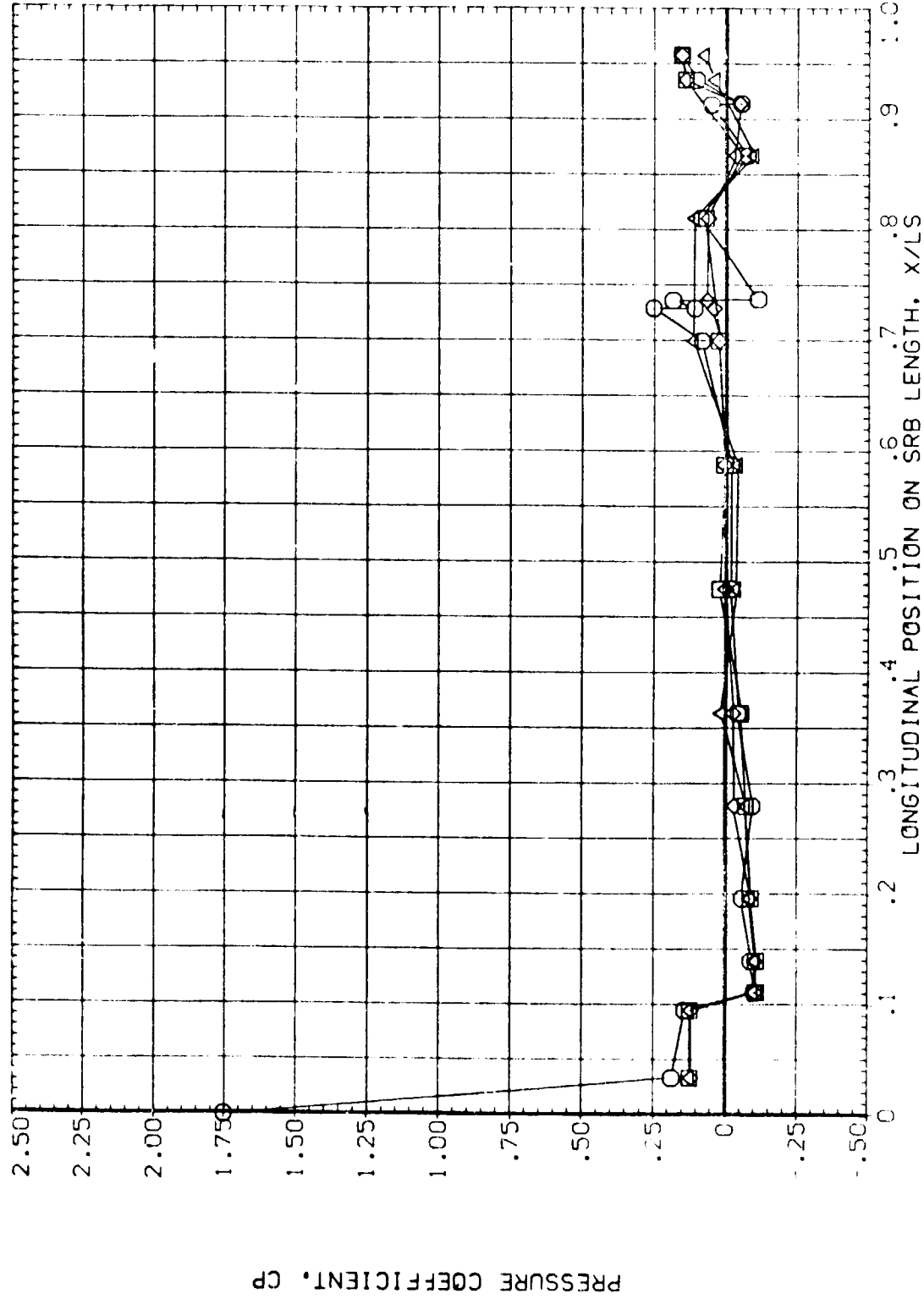


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

AR 107-019 (A81 LVAP(ALLHL SEALED) SRM BOOSTER (AETS42)

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-OB .000
 .000 SPDGRK .000

MACH
 ELV-IB
 RUDDER

BETA
 ALPHA
 .000

10.000
 25.000
 70.000
 115.000

SYMBOL
 ◊
 ◻
 ◊
 △

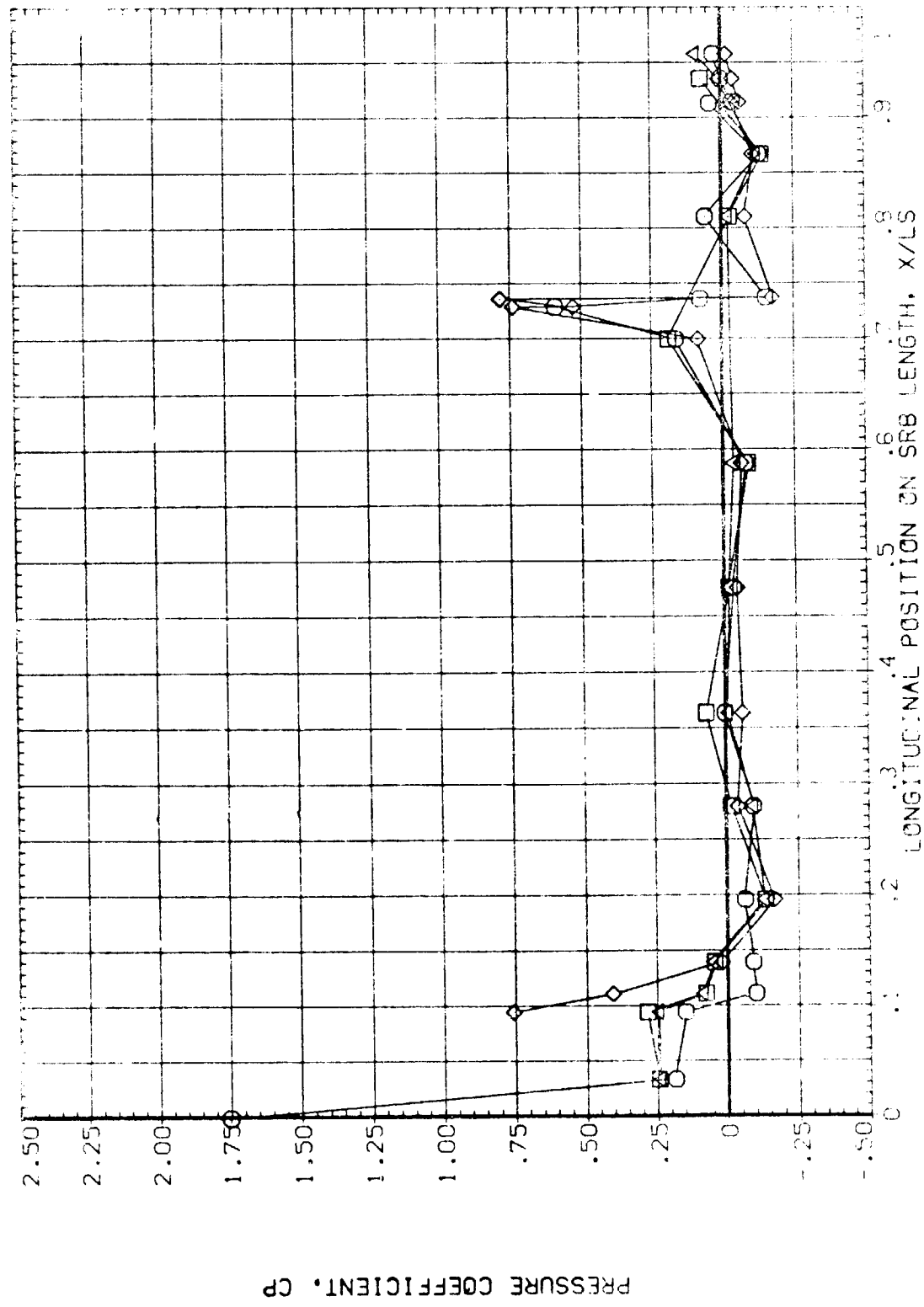


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDGRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-1B
 RUDDER

ALPHAL
 4.000

BETAL
 1.000

PHI
 .000
 45.000
 90.000
 135.000

SYMBOL
 ○
 □
 ◇
 △

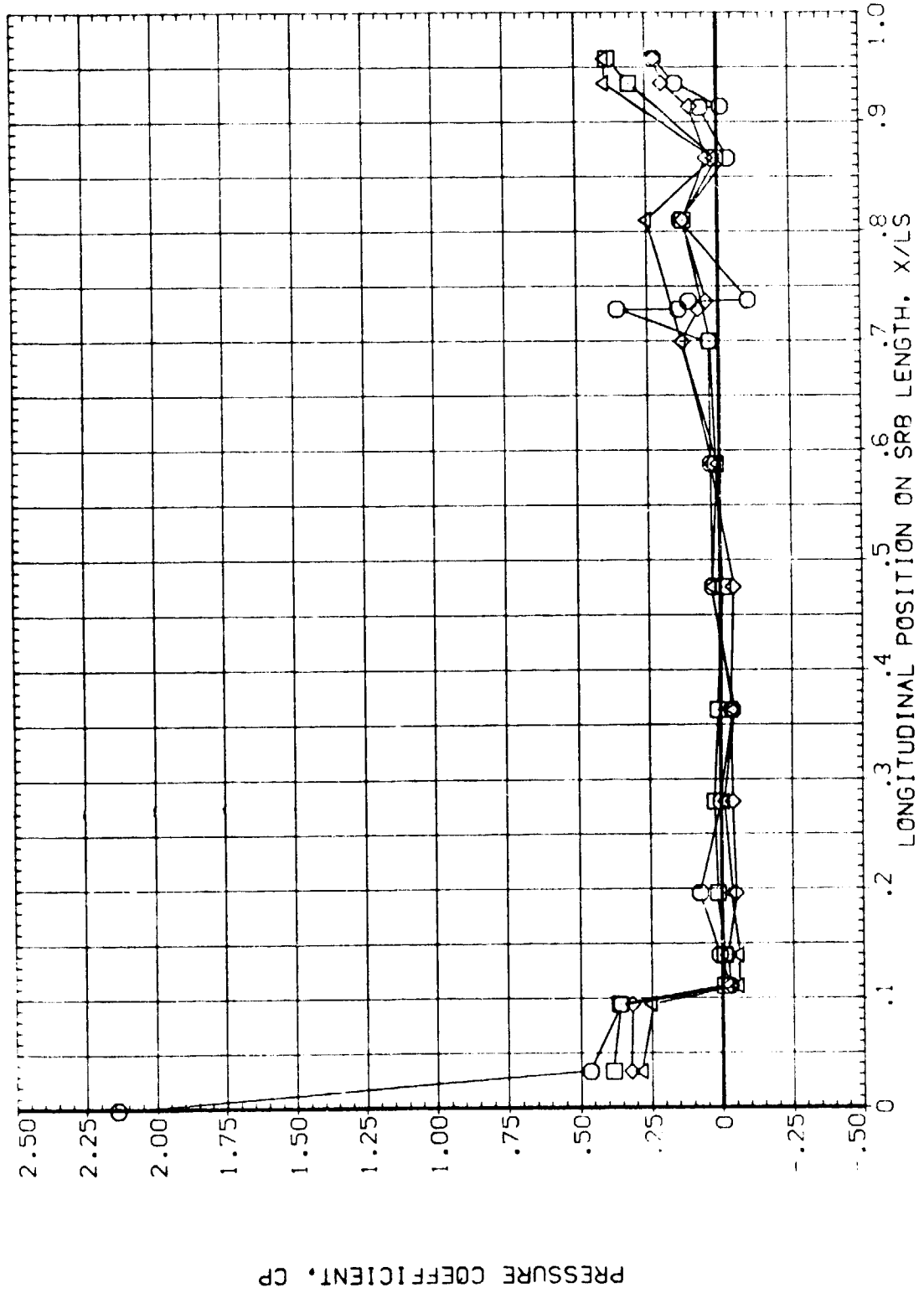


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC07-019 (A8: LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL PHI BETA ALPHA
 ○ 80.000 4.000 4.000
 □ 125.000
 ◇ 270.000
 △ 315.000

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPOBRK .000

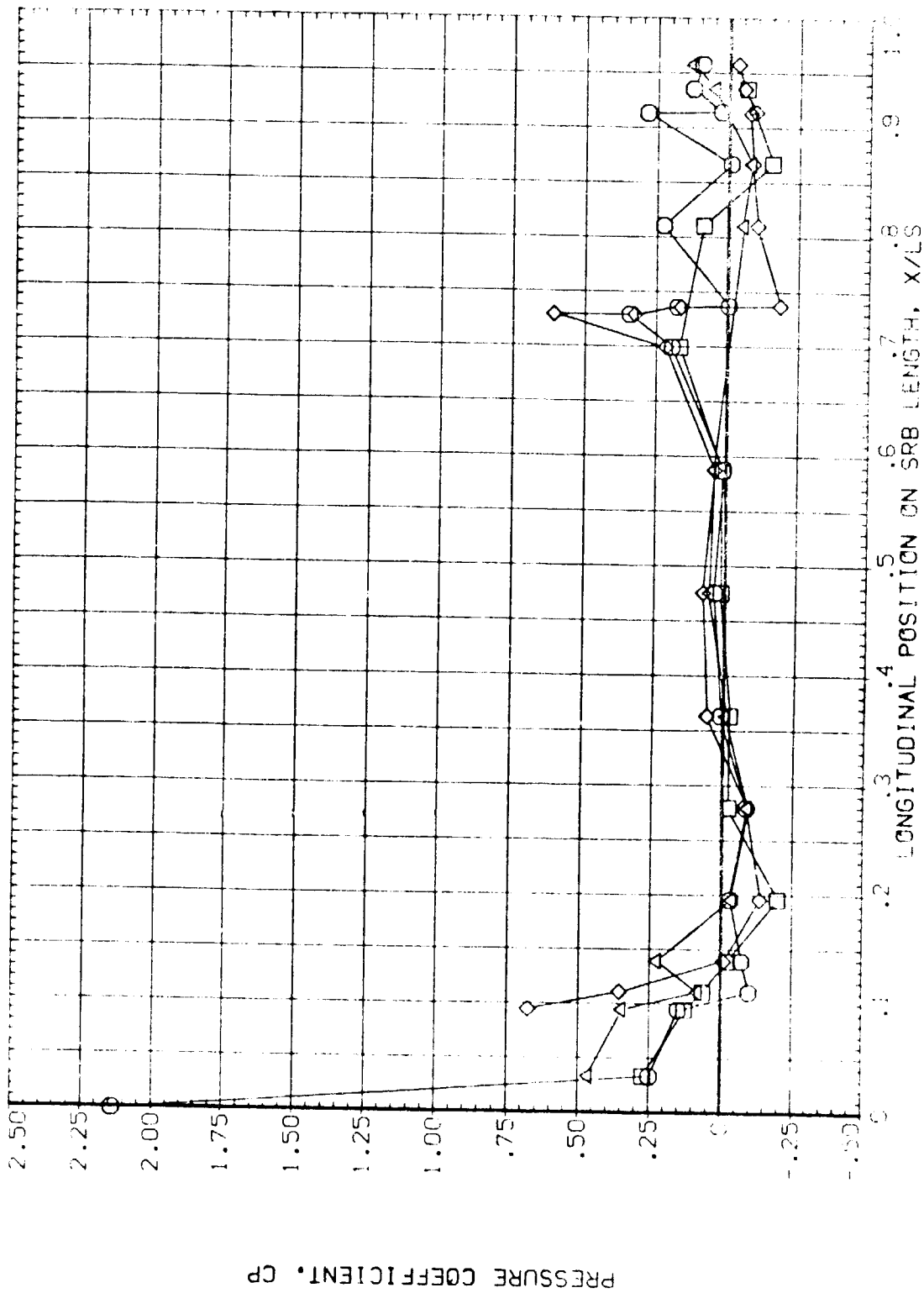
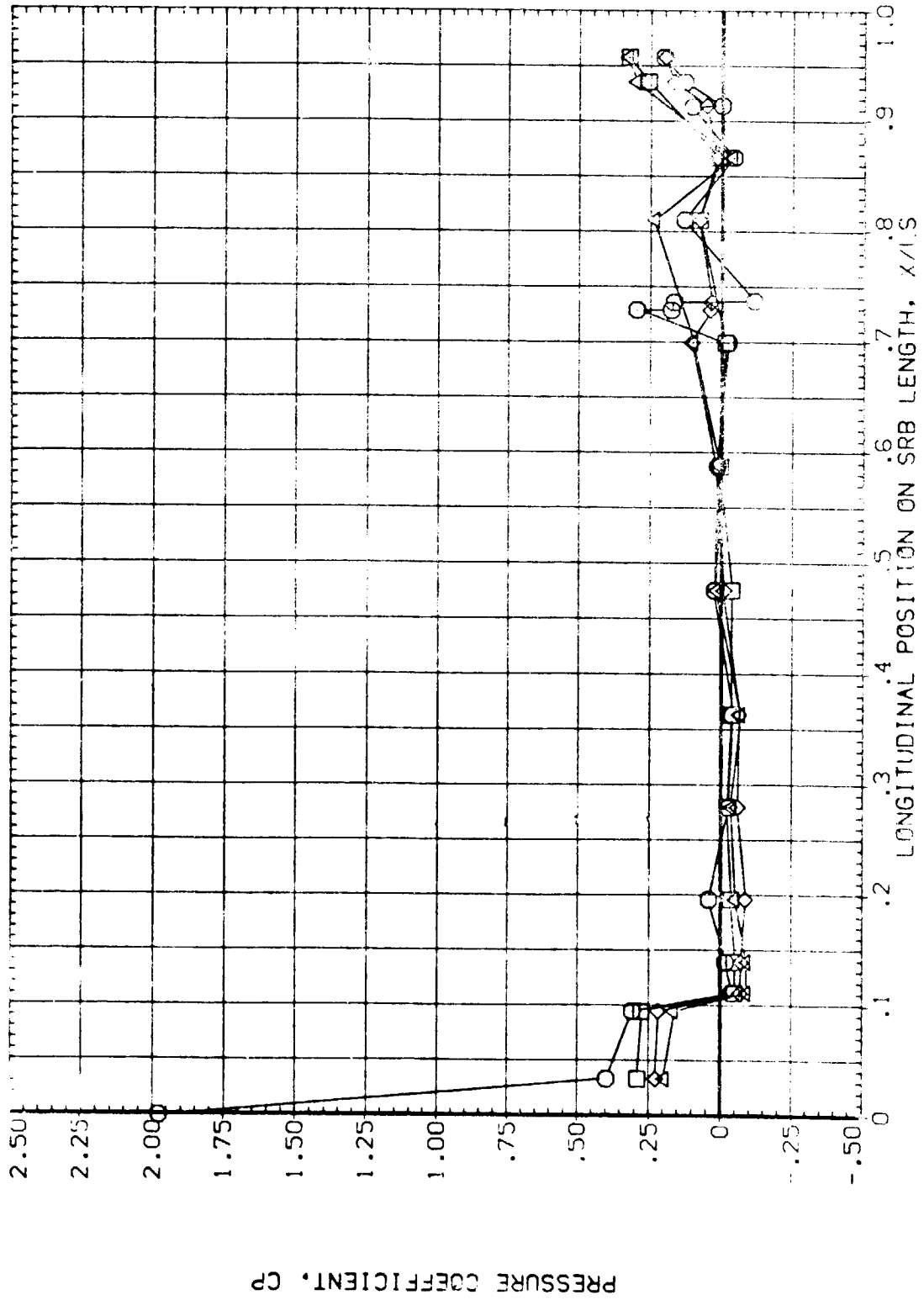


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
C	.000	.000	4.000	2.500	RN/FT 2.500
I	45.000			.000	ELV-OB .000
X	90.000			.000	SPDBRK .000
Z	35.000				



IG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-019 (A81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL		PHI	BETA	ALPHA	PARAMETRIC VALUES		
○		.80.000	.000	4.000	MACH	2.500	RN/FT
□		.25.000			ELV-IB	.000	ELV-OB
◇		270.000			RUDDER	.000	SFOBRK
△		315.000					

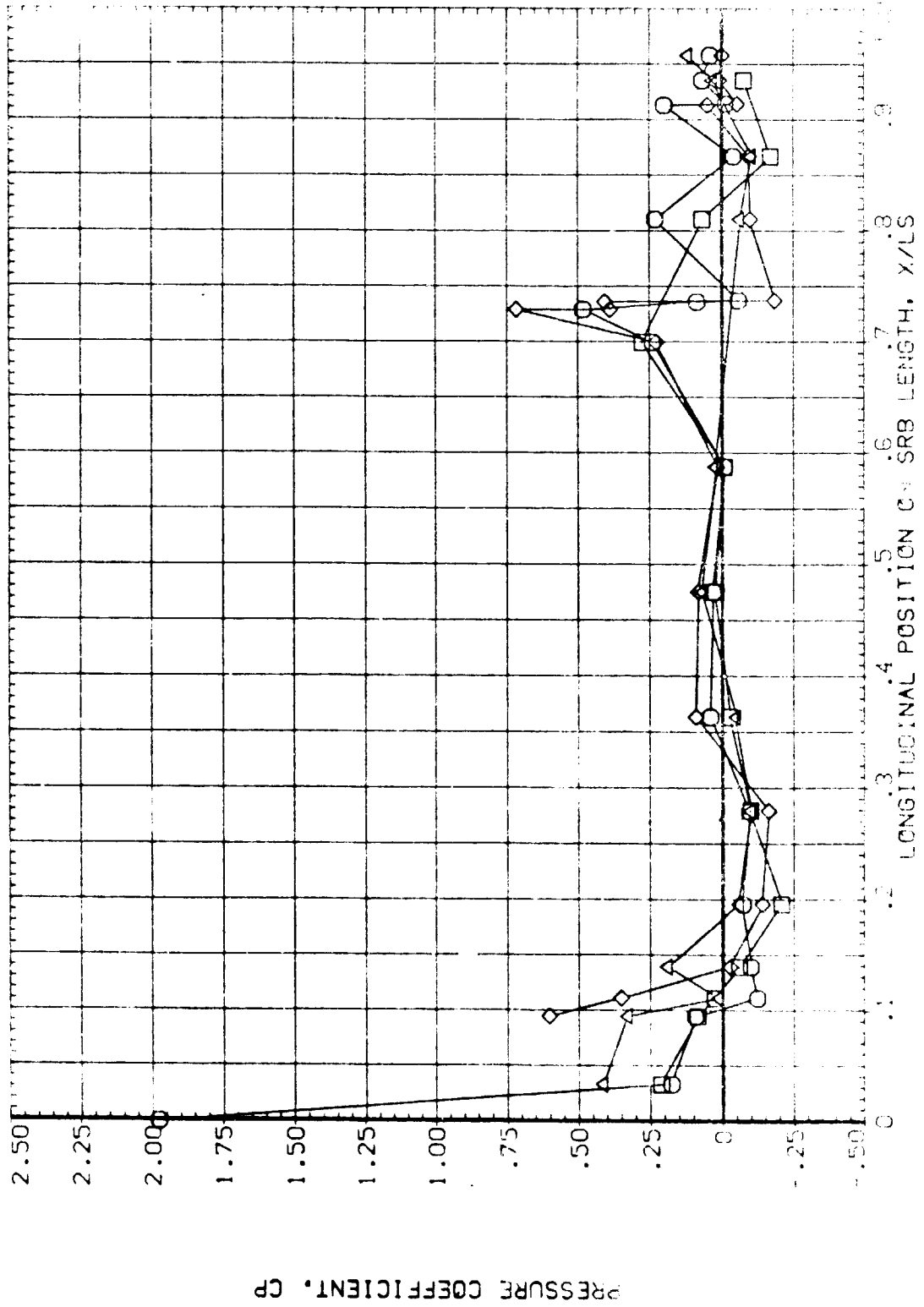


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SFOBRK = 0, MACH = 2.50

ARC97-019 (AB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBOL	PHI	BETA	ALPHA	MACH	RN/FT	PARAMETRIC VALUES
○	.000	4.000	4.000	ELV-IB	.000	2.500
□	45.000			RUDDER	.000	.000
◇	90.000					
△	135.000					

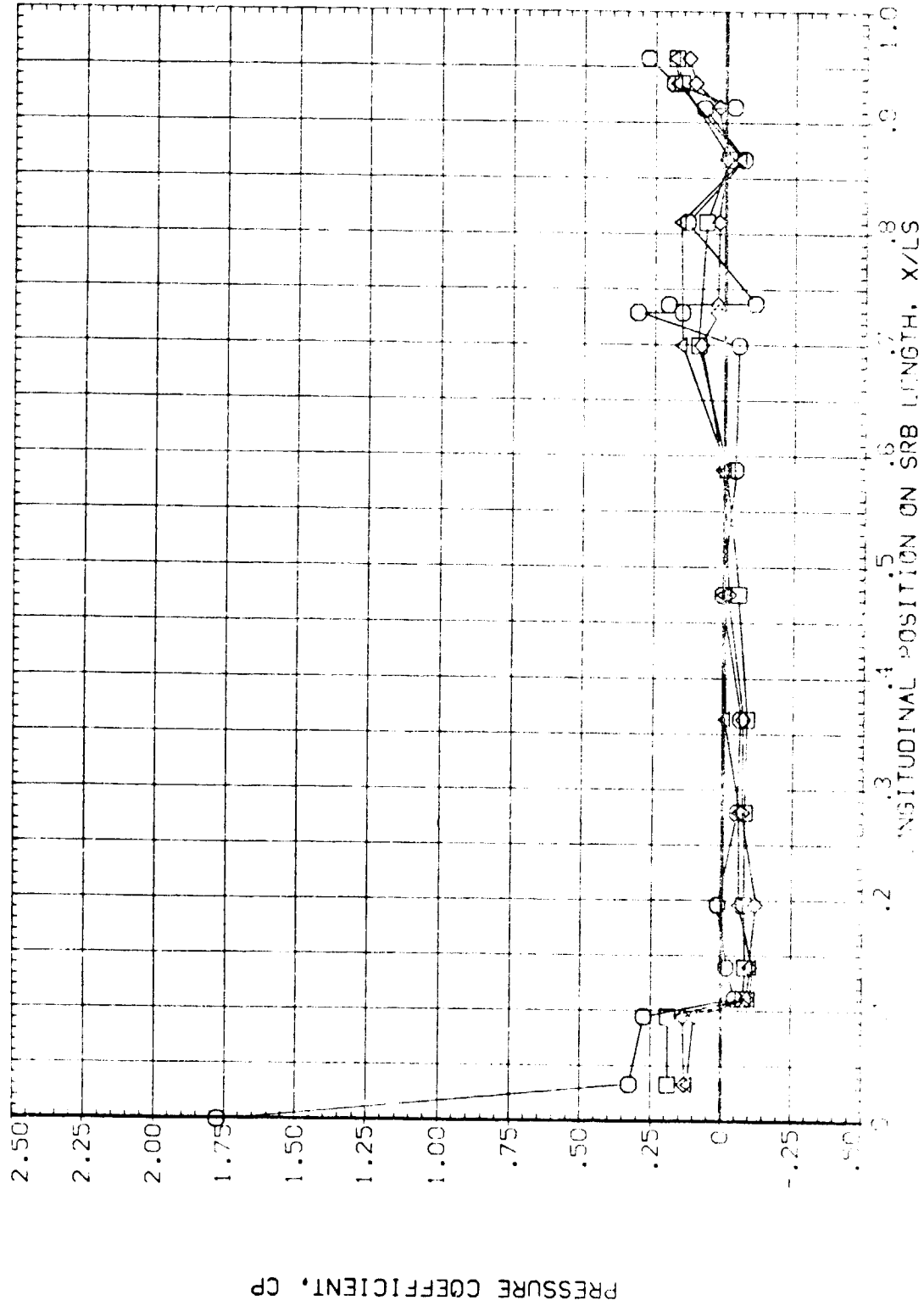


FIG. 16. SRB C/O. PRESSURE DIST. ELEVON I/O = C/O, SPDRK = 0, MACH = 2.0

4837-019 .1481 WAP (ALL) SEAL (1) RM (R) (M) (S) (T) (4) (2)

SYMBOL
 ○
 □
 ◇
 △

PHI 80.000
 225.000
 270.000
 315.000

BETA 4.000
 ALPHA 4.000

PARAMETRIC VALUES
 MACH 2.500
 ELV-1B 1000
 RUDDER 1000
 RW 2.500
 ELEV-1B 1000
 SPDBRK 1000

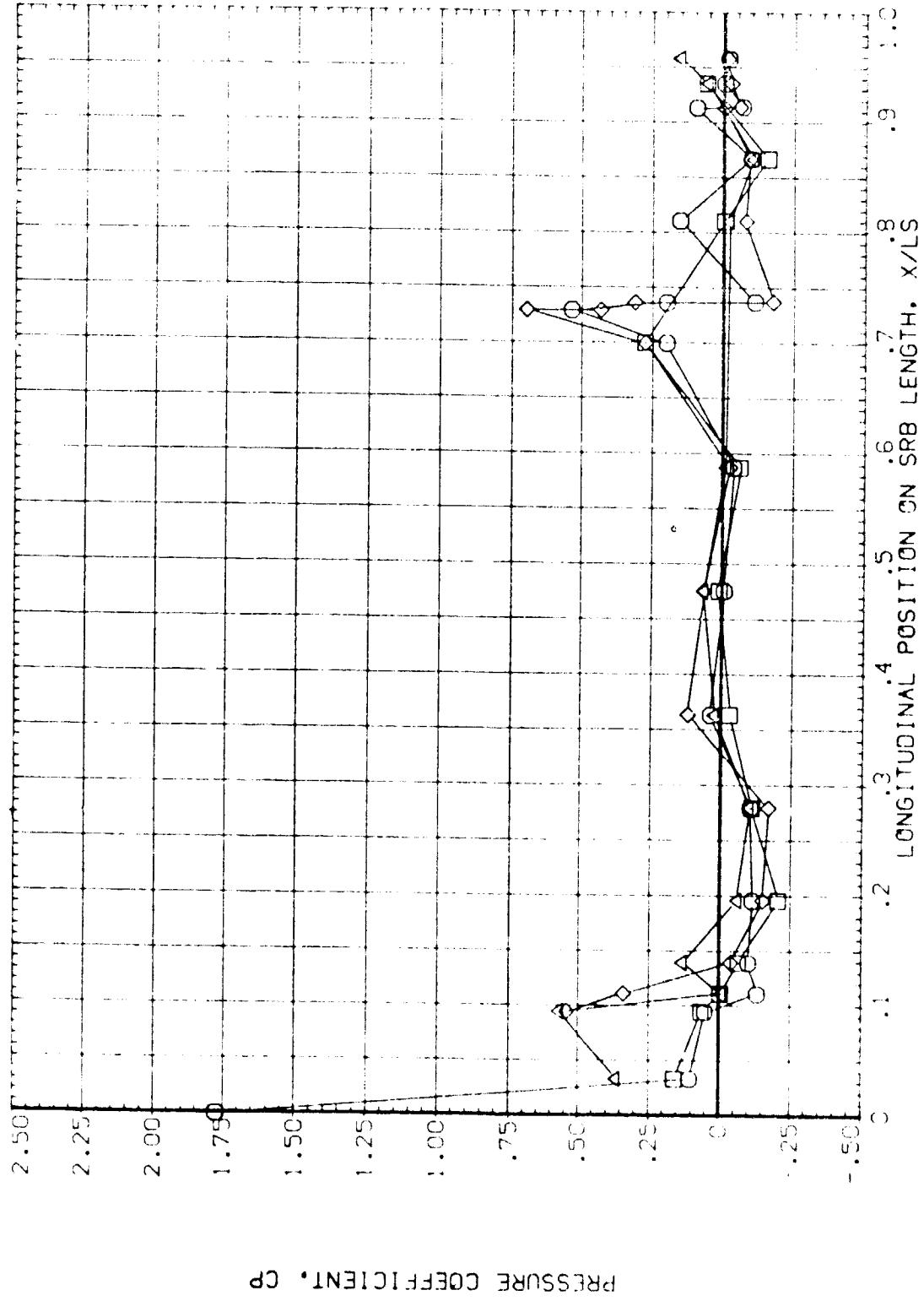


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/O, SPDBRK = 0, MACH = 2.50

ARC97-0:9 IAB1 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42)

SYMBD:	PMI	BETAL	ALPHAL	PARAMETRIC VALUES			
○	.000	.000	6.000	MACH	RN/FT	2.500	2.500
□	45.000			ELV-1B	ELV-0B	.000	.000
◇	90.000			RUDDER	SPDBRK	.000	.000
△	:35.000						

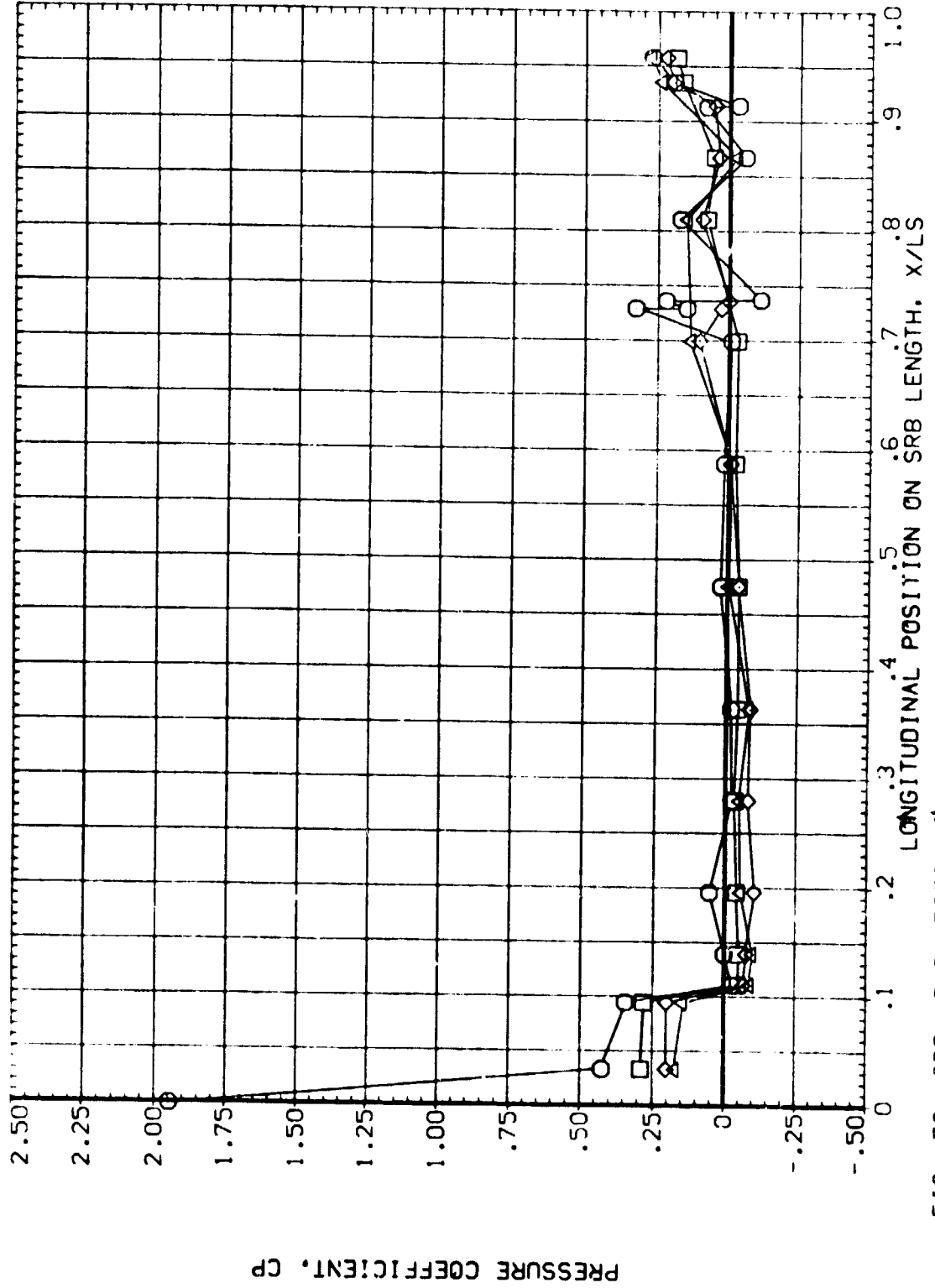


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/0, SPDBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) SRM BOOSTER (IETS42J)

PHI	BETA	ALPHA	MACH	PARAMETRIC VALUES
190.000	.000	6.000	ELV-1B	2.500 RN/FT
225.000			RUDDER	.000 ELV-08
270.000				.000 SPOBRK
315.000				.000

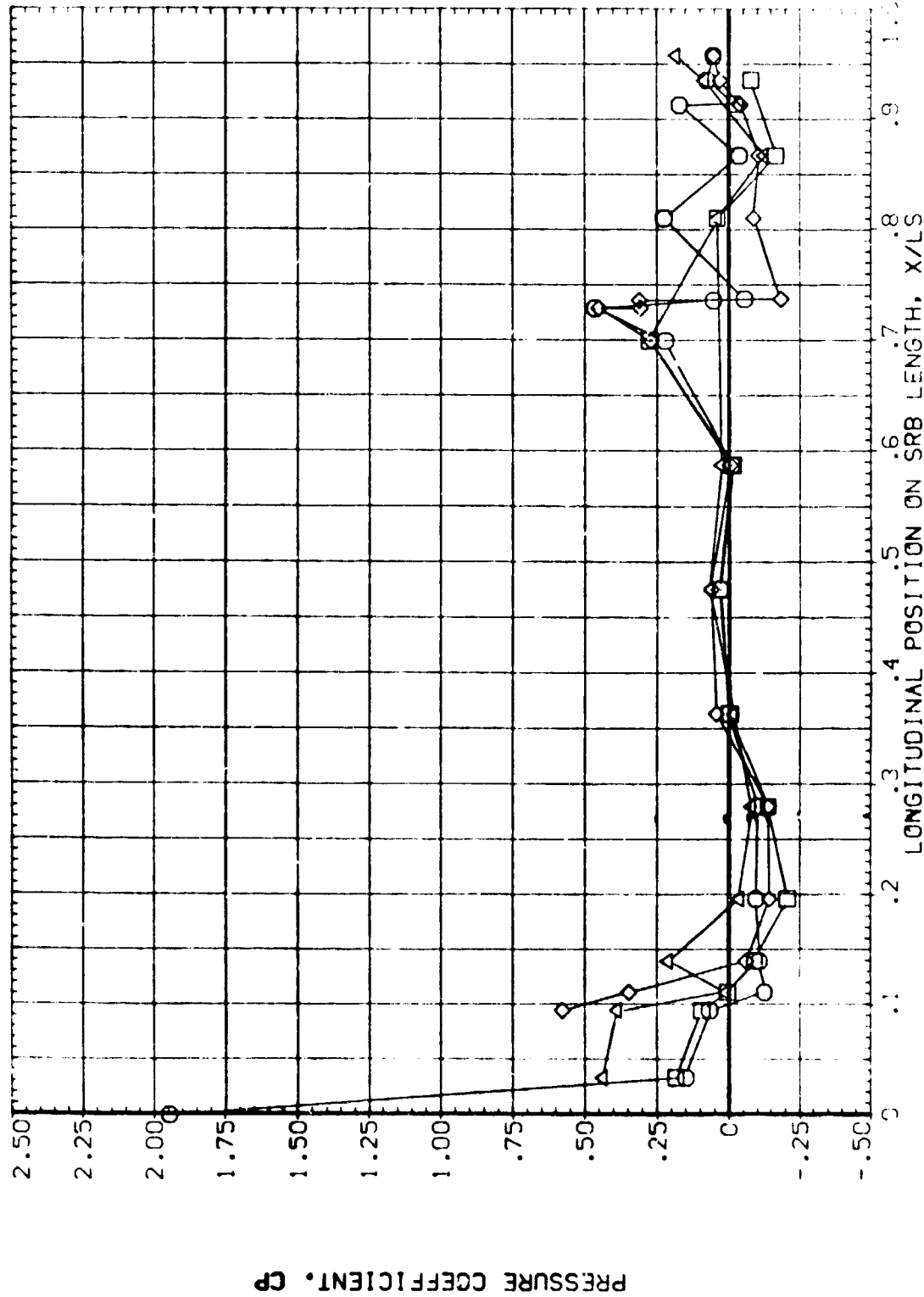


FIG. 56 SRB LONG. PRESSURE DIST. ELEVON I/O = 0/C, SPOBRK = 0, MACH = 2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES
 1.550 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPOBRK .000

MACH
 ELV-18
 RUDDER

BETA0
 ALPHA0
 -6.000

Z/8V
 .153
 .316
 .600
 .840
 .925

SYMB:
 ○
 □
 △
 ▽

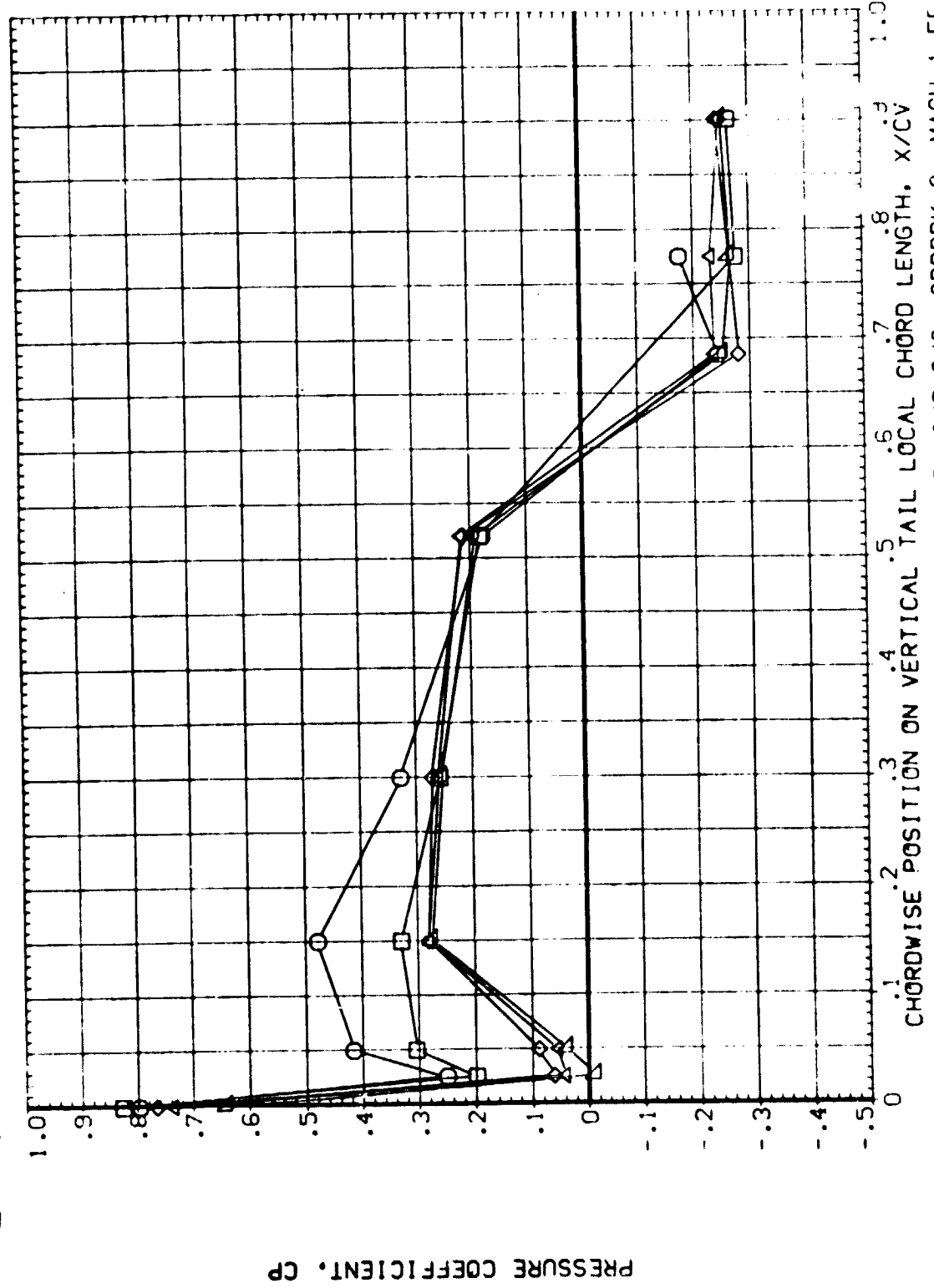


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55
 PAGE 112

ARC57-0:9 (A31 LVAP(ALLHL SEALED) LEFT VERTICAL (METV39))

SYMBOL
 ▽ □ ◇ ▲

Z/BV .153
 .316
 .600
 .840
 .975

BETAC -4.000
 ALPHA0 -4.000

MACH 1.550
 ELV-1B .000
 RUDDER .000

PARAMETRIC VALUES
 RN/CT 2.500
 ELV-CB .000
 SPDBRK .000

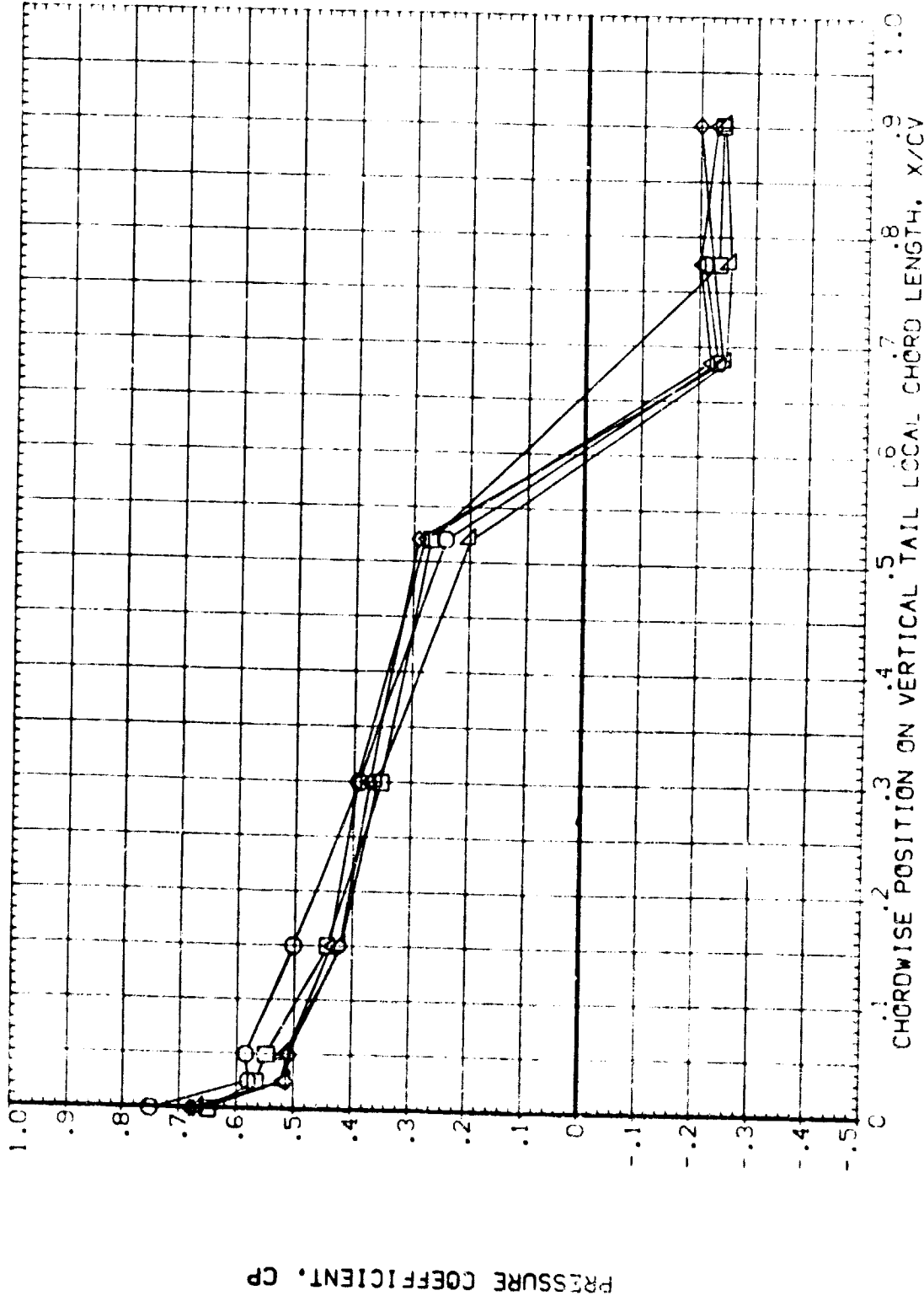


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/C=0/3, SPDBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

SYMBOL	Z/BV	BETA	ALPHA	PARAMETRIC VALUES		
				MACH	RN/FT	2.500
○	.153	.000	-4.000	ELV-1B	.000	.000
□	.316	.000	-4.000	RUDDER	.000	.000
◇	.600	.000	-4.000			
△	.840	.000	-4.000			
▽	.925	.000	-4.000			

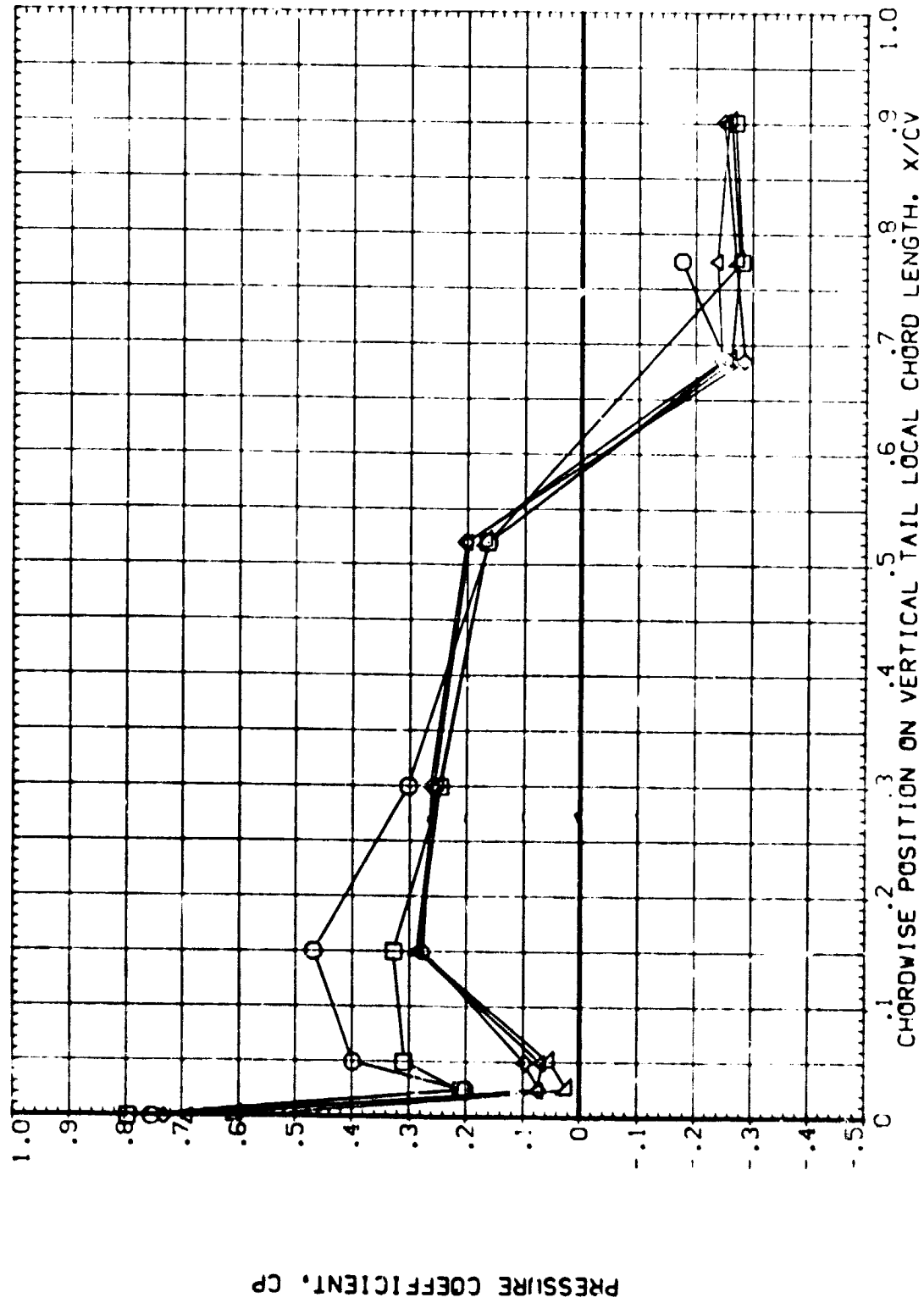


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-IB .000 ELV-OB .000
 RUDDER .000 SPOBRK .000

Z/BV BETAD ALPHA
 .153 4.000 -4.000
 .316
 .600
 .840
 .925

SYMBOL
 ◊ ◻ ◻ ◻ ◻

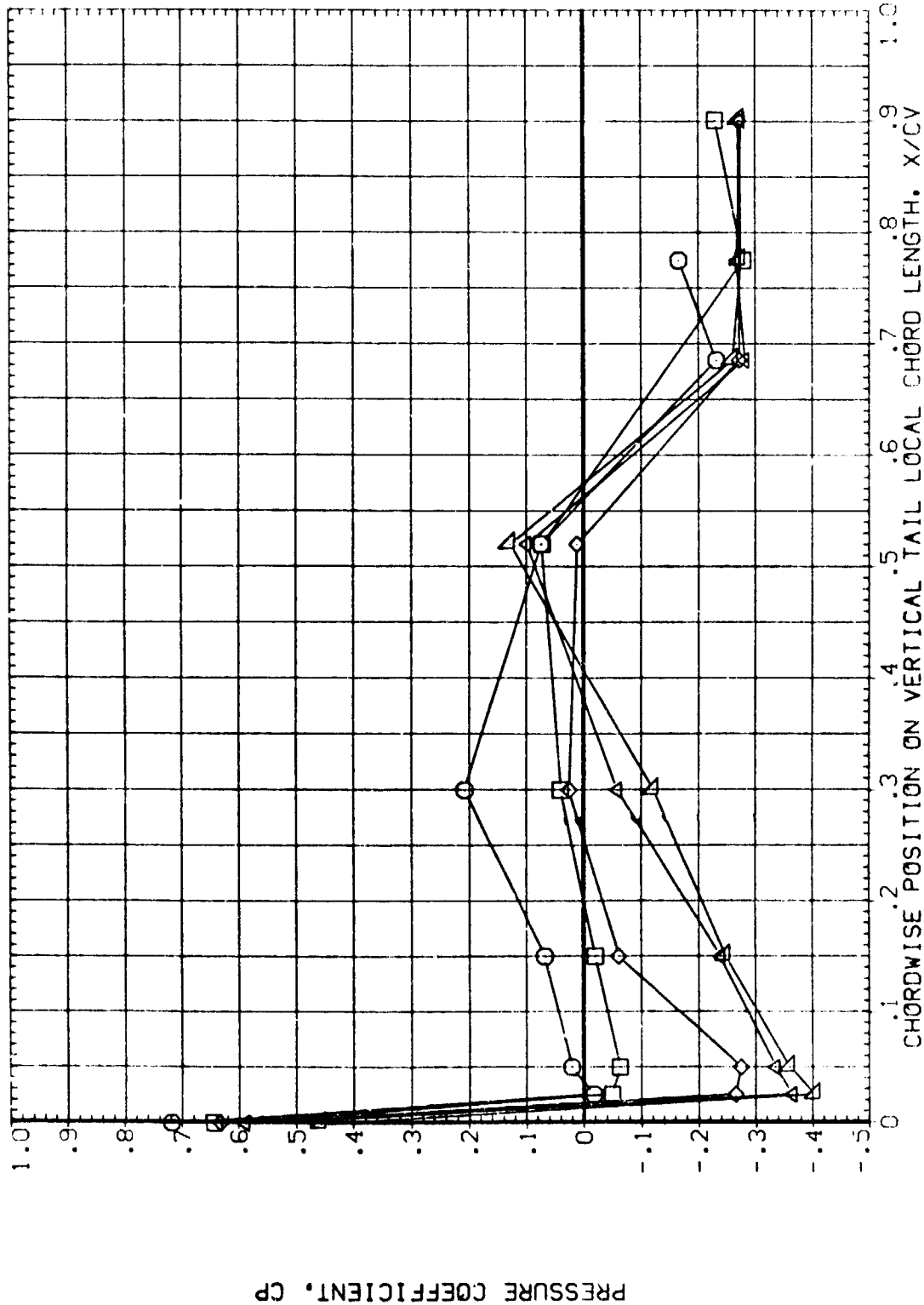


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

SYMBOL	Z/BY	BETA	ALPHA
○	.153	-6.000	.000
□	.316		
◇	.600		
▽	.840		
▽	.925		

PARAMETRIC VALUES			
MACH	1.550	RN/FT	2.500
ELV-IB	.000	ELV-OB	.000
RUDDER	.000	SPDBRK	.000

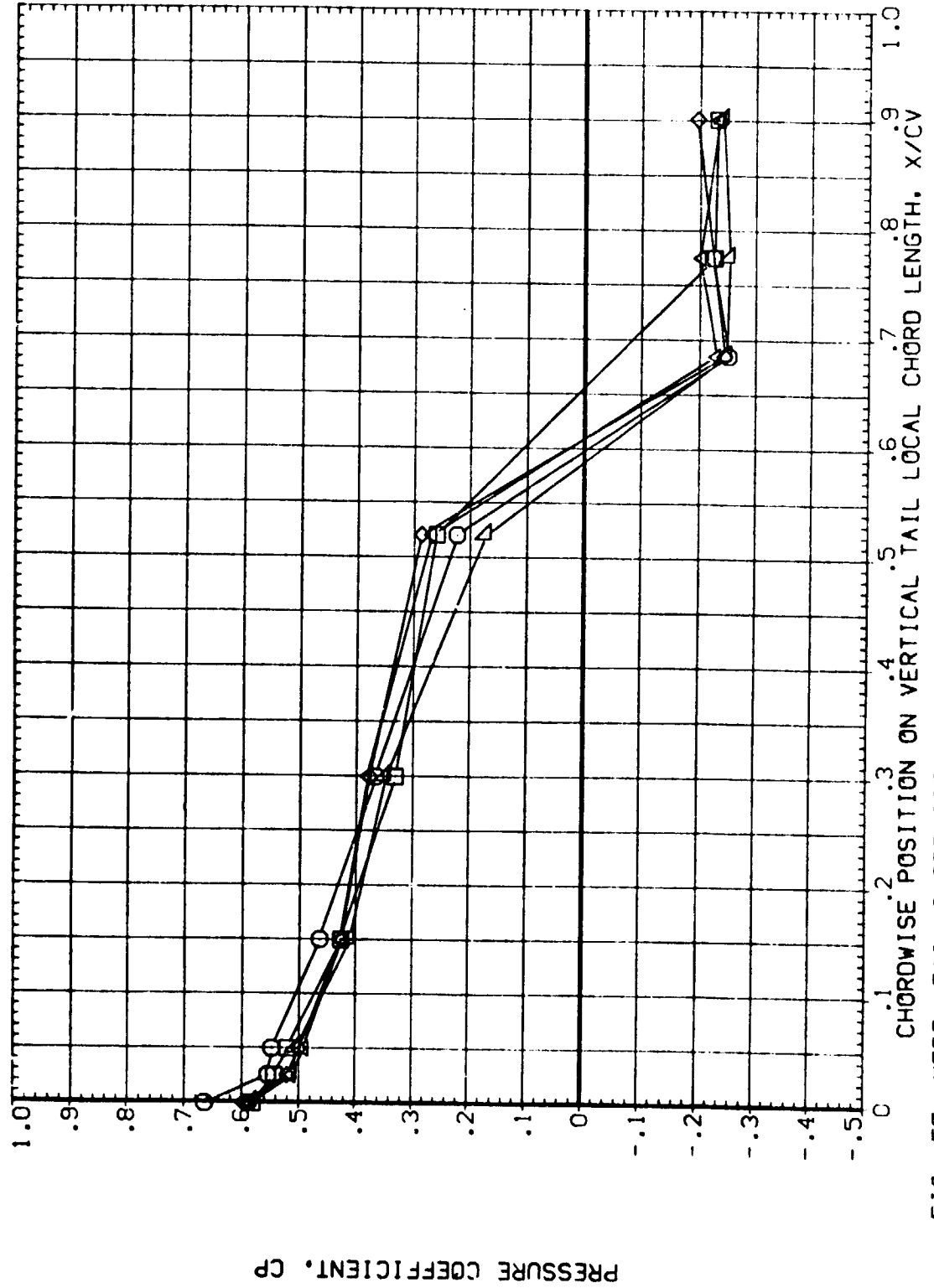


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/O, SPDBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES	
MACH	1.550
ELV-1B	.000
RUDDER	.000
RN/FT	2.500
ELV-0B	.000
SPOBRK	.000

Z/BV	BETA0	ALPHA0
.153	-4.000	.000
.316		
.600		
.840		
.925		

SYMBOL

○	□	◇	△
---	---	---	---

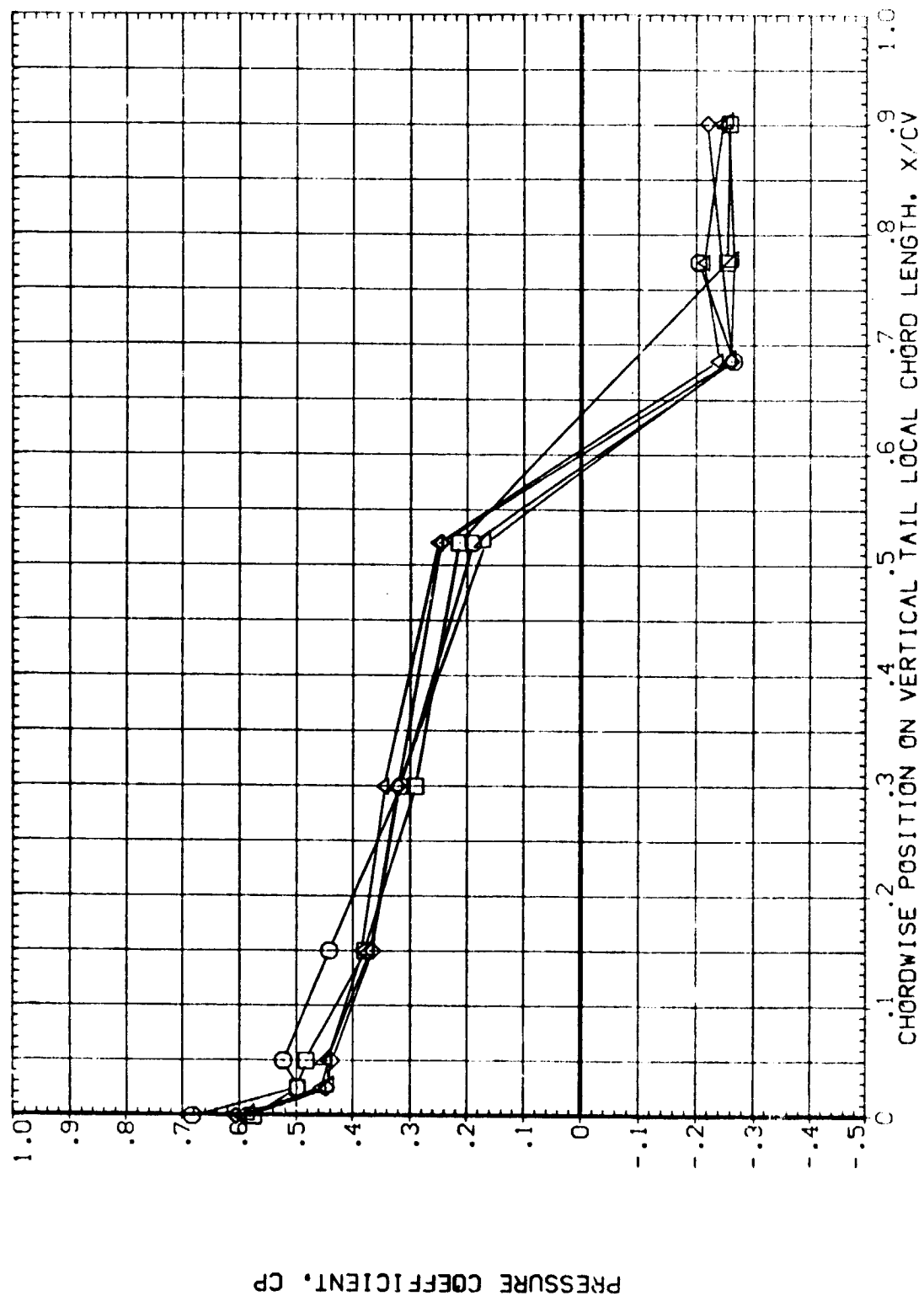


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IA81 LVAPCALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES	
MACH	1.550
ELV-18	.000
RUDDER	.000
RN/FT	2.500
ELV-08	.000
SPDBRK	.000

Z/8V	BETA0	ALPHA0
.153	.000	.000
.316		
.600		
.840		
.925		

SYMBOL
 ○ □ ◇ △

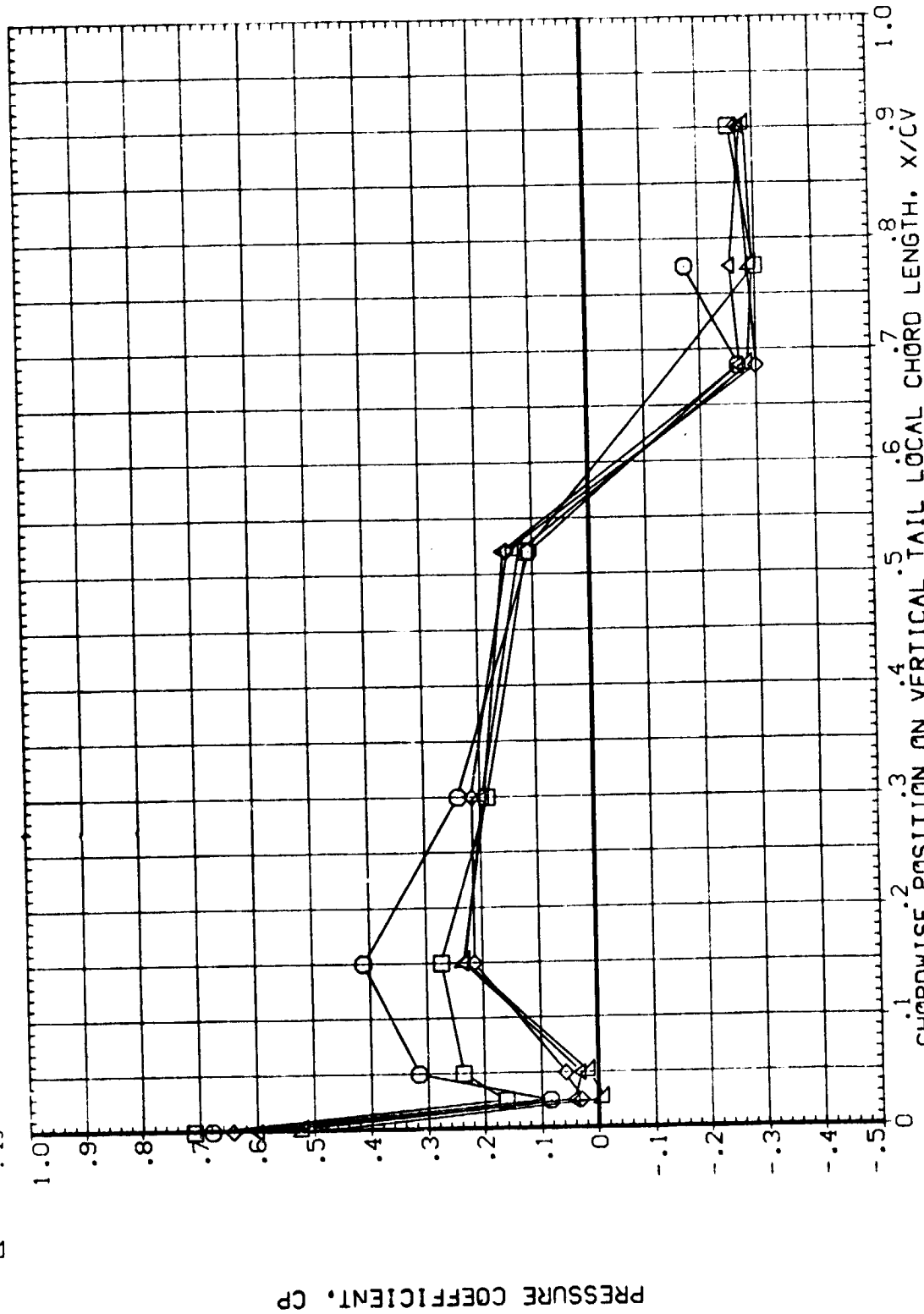


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=1.55

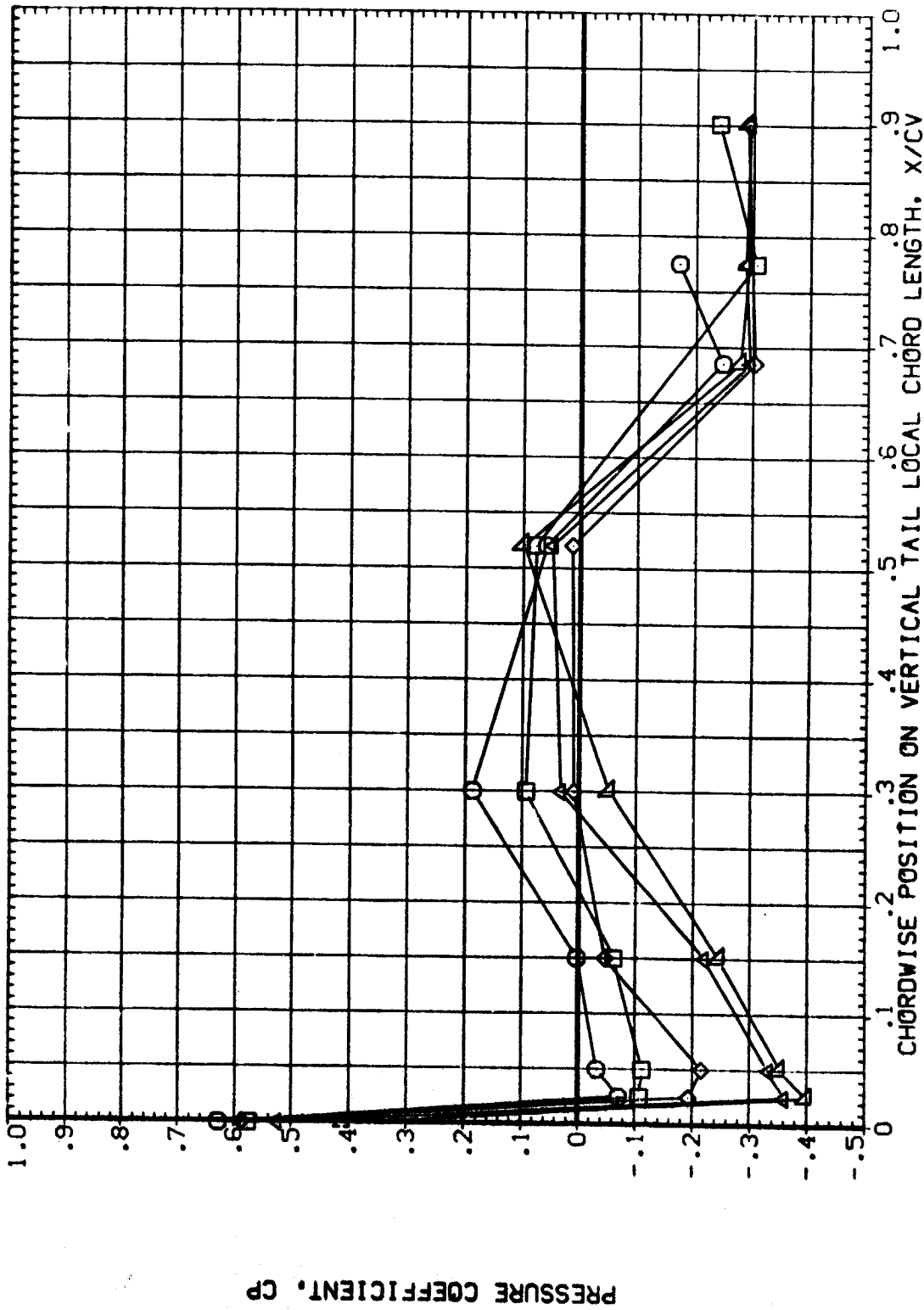
ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES
 MACH 1.550 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

BETA0 4.000
 ALPHA0 .000

Z/BV .153
 .316
 .600
 .840
 .925

SYMBOL
 ◊ ◻ ◴ ◵



PRESSURE COEFFICIENT, CP

FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

SYMBOL	Z/DB	BETAD	ALPHAD	MACH	PARAMETRIC VALUES
○	.153	6.000	.000	ELV-1B	1.550 RN/FT 2.500
□	.316			RUDDER	.000 ELV-08 .000
△	.600				.000 SPOBRK .000
◇	.840				
▽	.925				

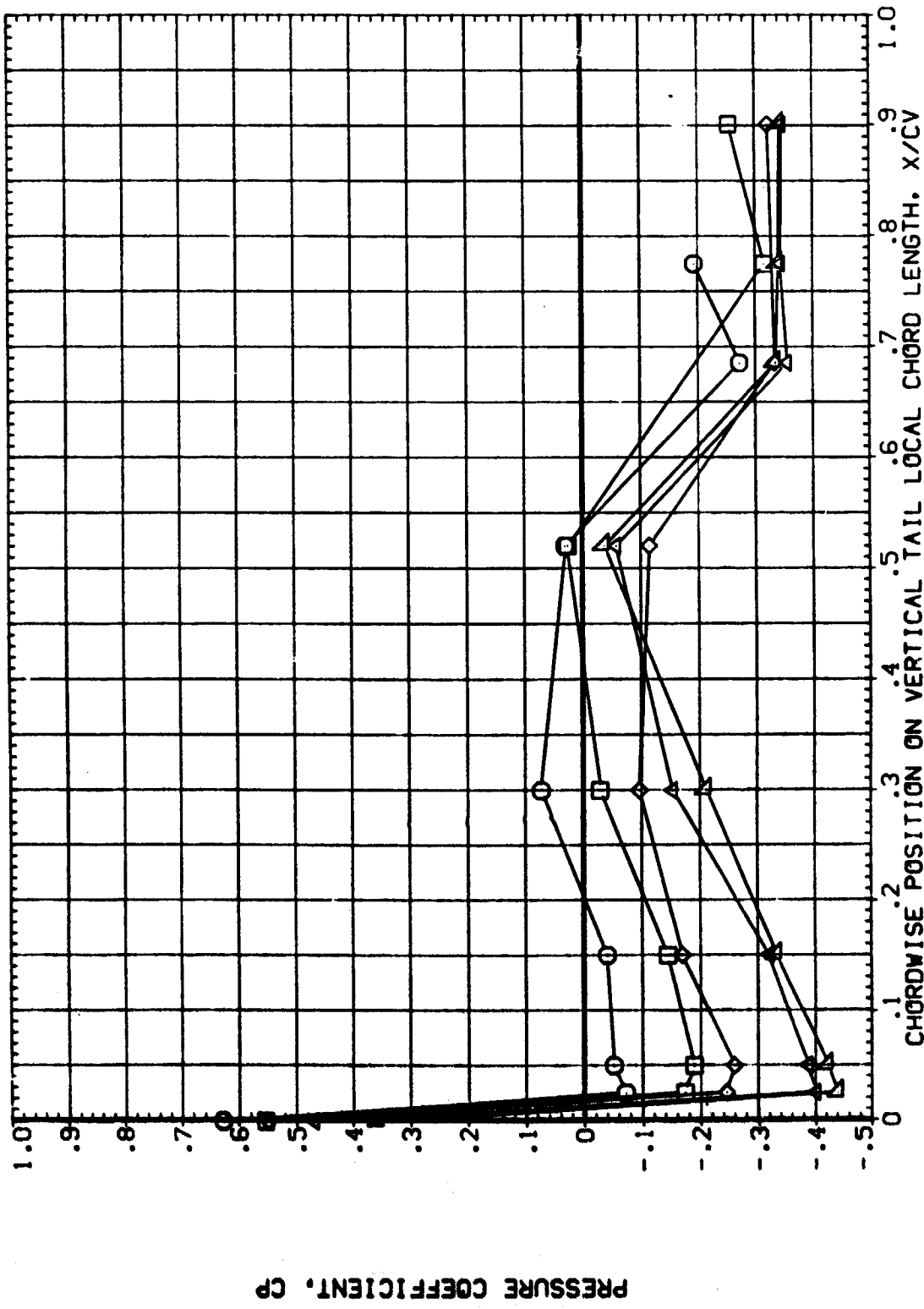


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

SYMBOL
 ▽
 ◇
 ○
 □

Z/0V .153
 .316
 .600
 .840
 .925

BETA0 -4.000

ALPHA0 4.000

MACH 1.550
 ELV-IB .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-OB .000
 SPOBRK .000

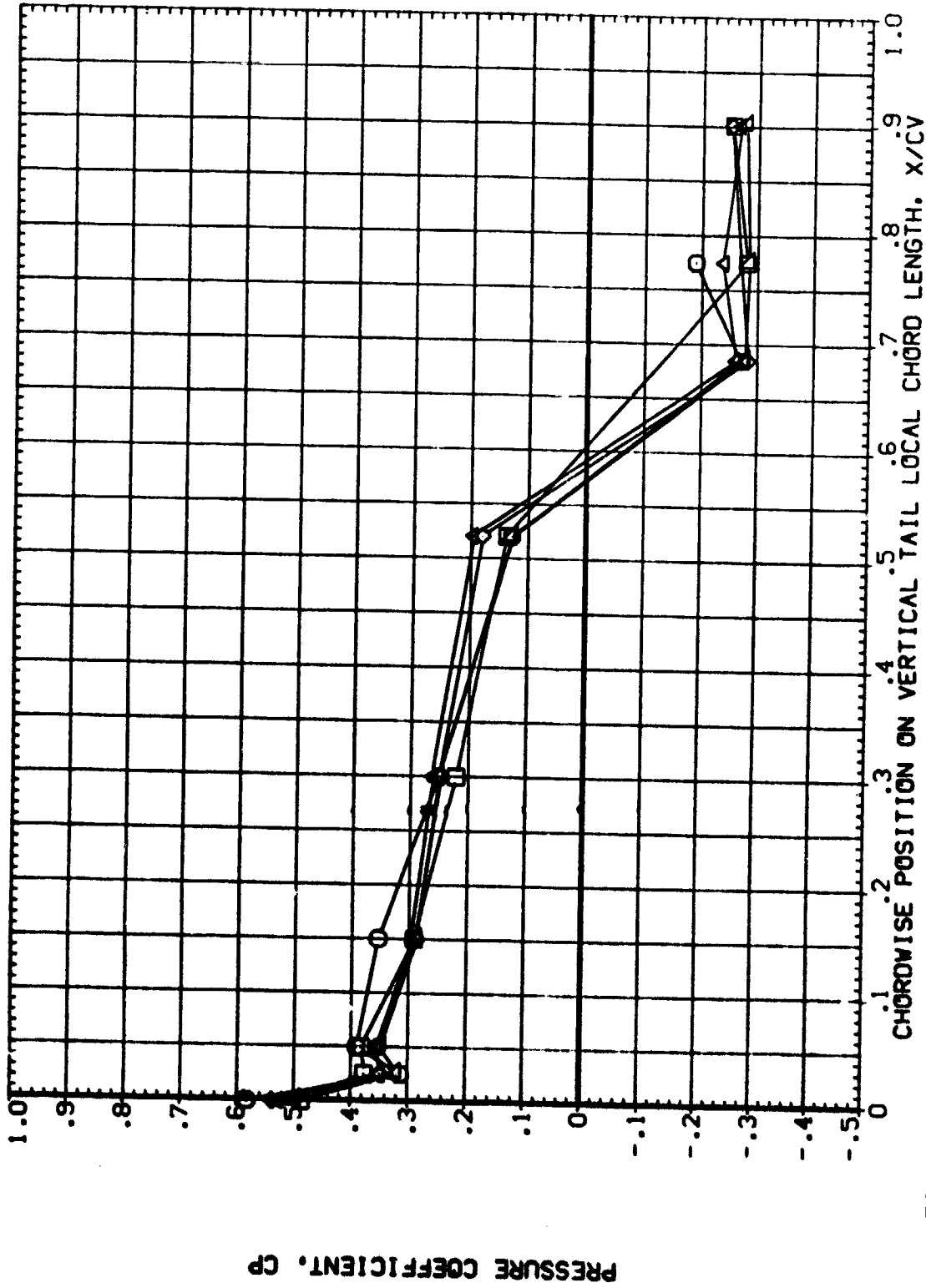


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

SYMBOL	Z/BV	BETA	ALPHA	MACH	PARAMETRIC VALUES
○	.153	.000	4.000	ELV-1B	1.550 RM/FT 2.500
◇	.316	.000	4.000	RUDDER	.000 ELV-08 .000
△	.600	.000	4.000		.000 SPOBRK .000
□	.840	.000	4.000		
▽	.925	.000	4.000		

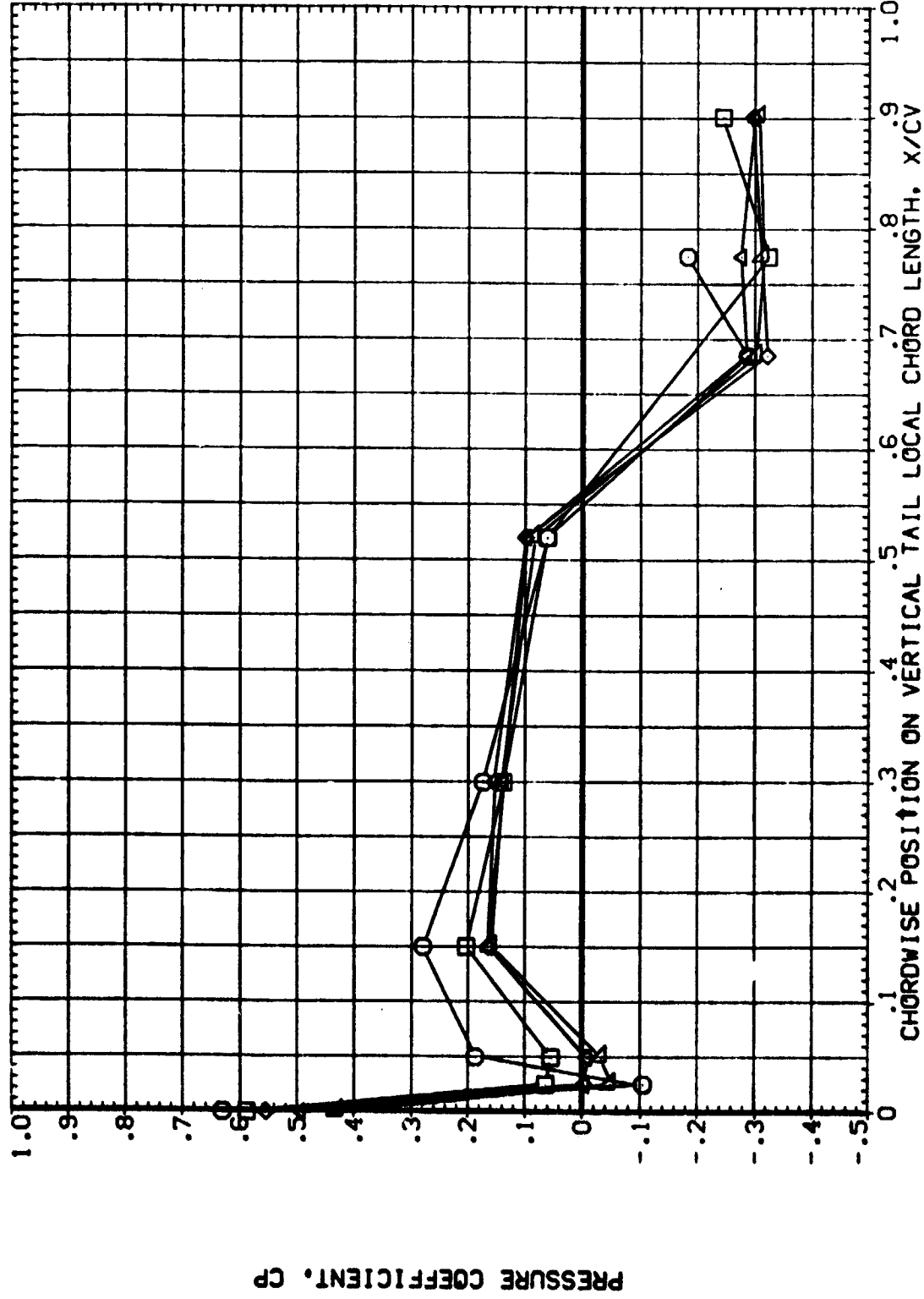


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES	
Z/BV	1.550
BETA0	4.000
ALPHA0	4.000
MACH	1.550
RN/FT	2.500
ELV-1B	.000
ELV-0B	.000
RUDDER	.000
SPDBRK	.000

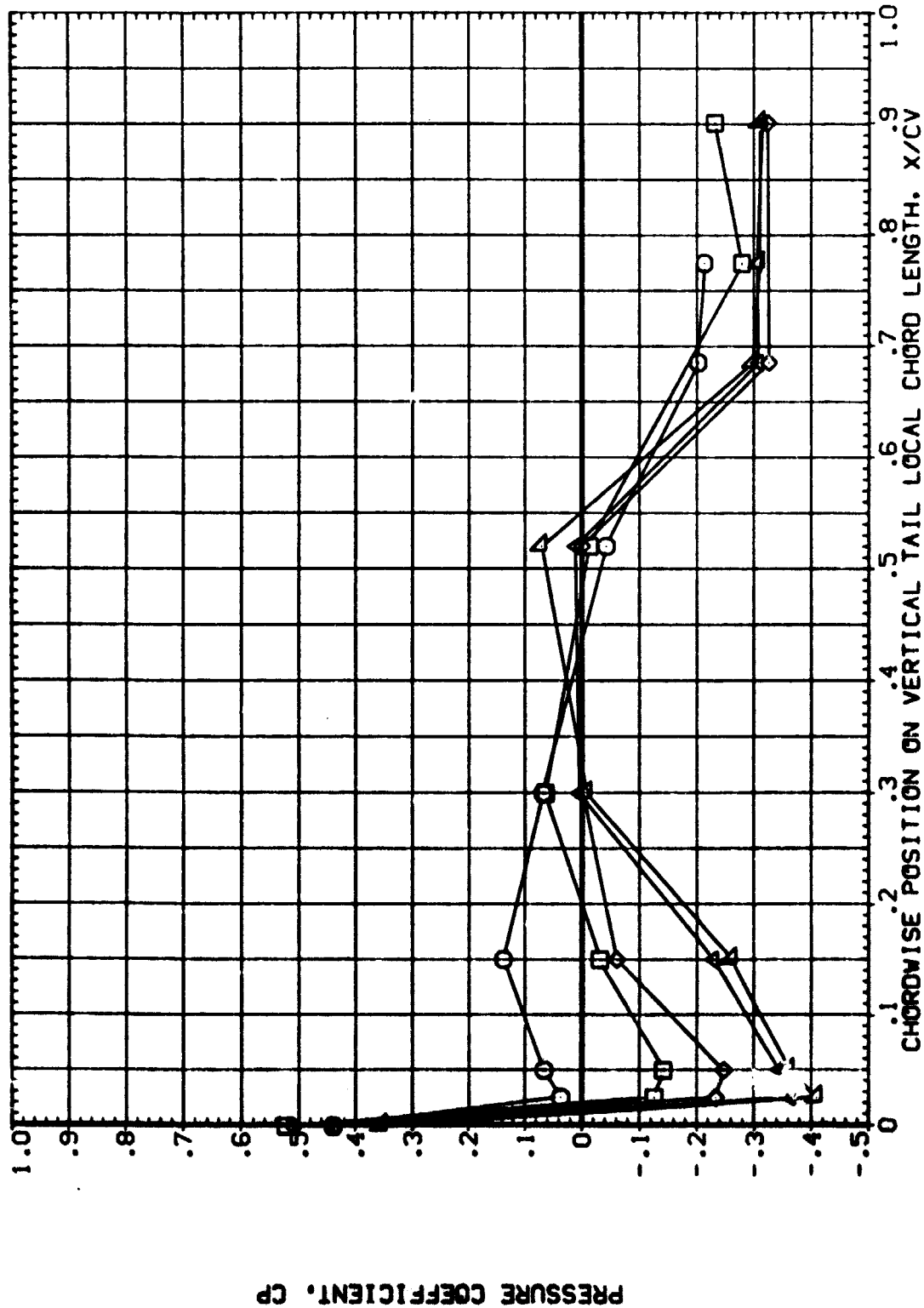


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV39)

PARAMETRIC VALUES	
MACH	1.550
ELV-16	.000
RUDER	.000
RV/FT	2.500
ELV-08	.000
SPOBRK	.000

SYMBOL	Z/BV	BETA0	ALPHA0
△	.153	.000	6.000
◇	.316		
□	.600		
○	.840		
●	.925		

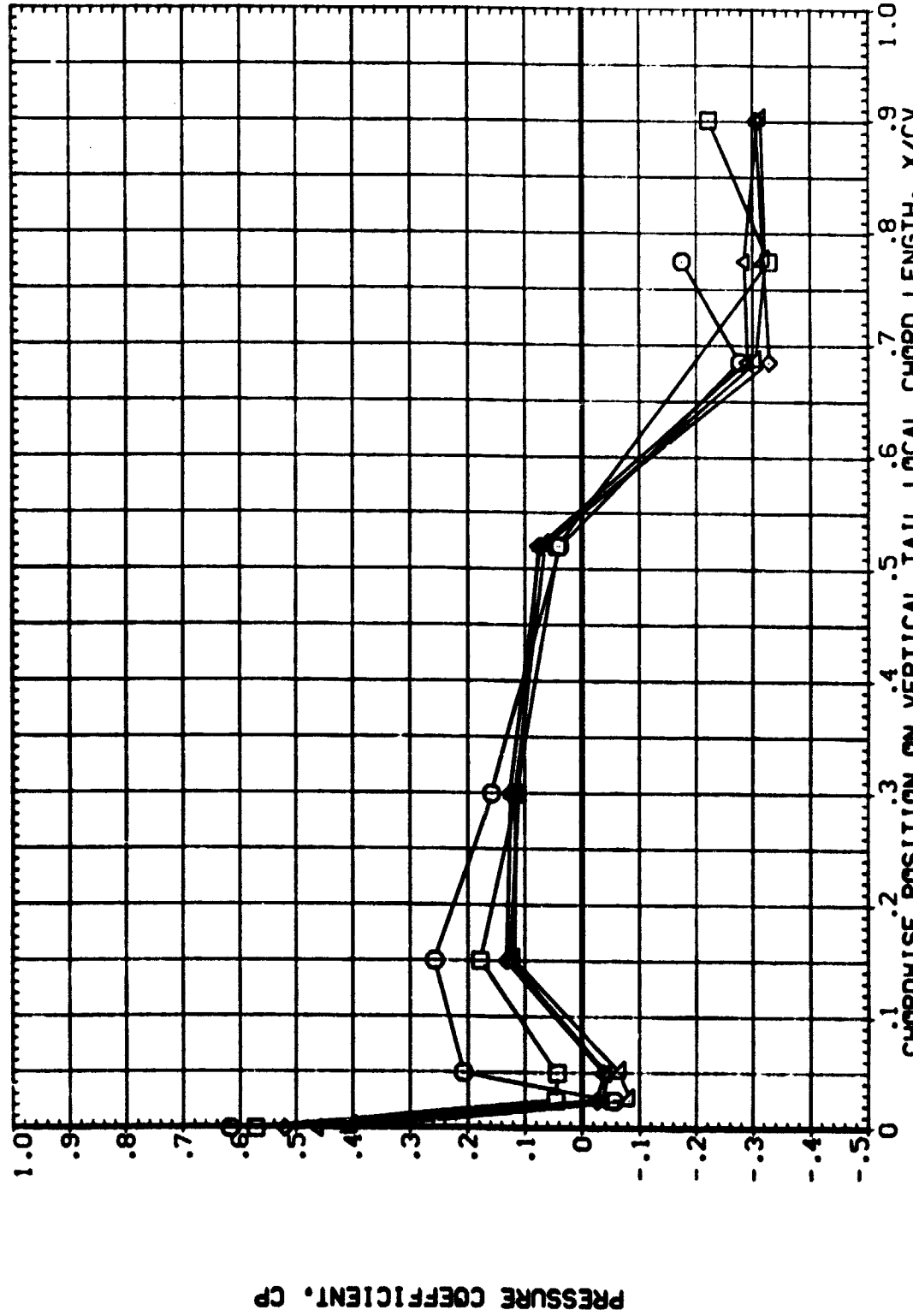


FIG. 57 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=1.55

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/BV	BETA	ALPHA	MACH	PARAMETRIC VALUES
◇	.153	.000	-6.000	2.000	RN/FT 2.500
◇	.316	.000	-6.000	.000	ELV-DB .000
◇	.600	.000	-6.000	.000	SPDBRK .000
◇	.840	.000	-6.000	.000	
◇	.925	.000	-6.000	.000	

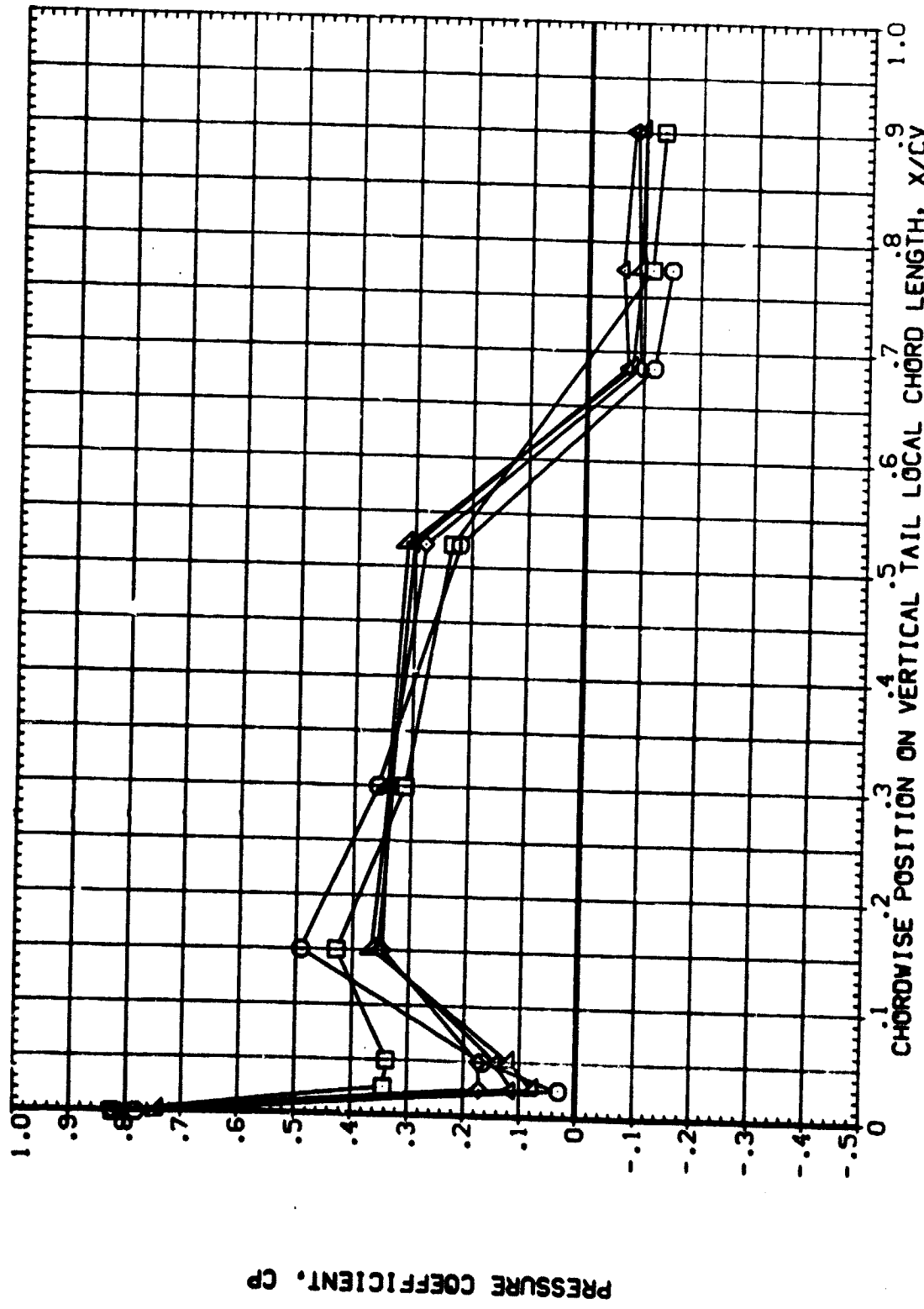


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

PARAMETRIC VALUES
 MACH 2.500
 ELV-18 RN/FT 2.000
 RUDDER .000 ELV-08 .000
 SPOBRK .000

SYMBOL Z/BV BETA0 ALPHA0
 ▽ .153 -4.000
 ◊ .316 -4.000
 □ .600 -4.000
 △ .940 -4.000
 ○ .975 -4.000

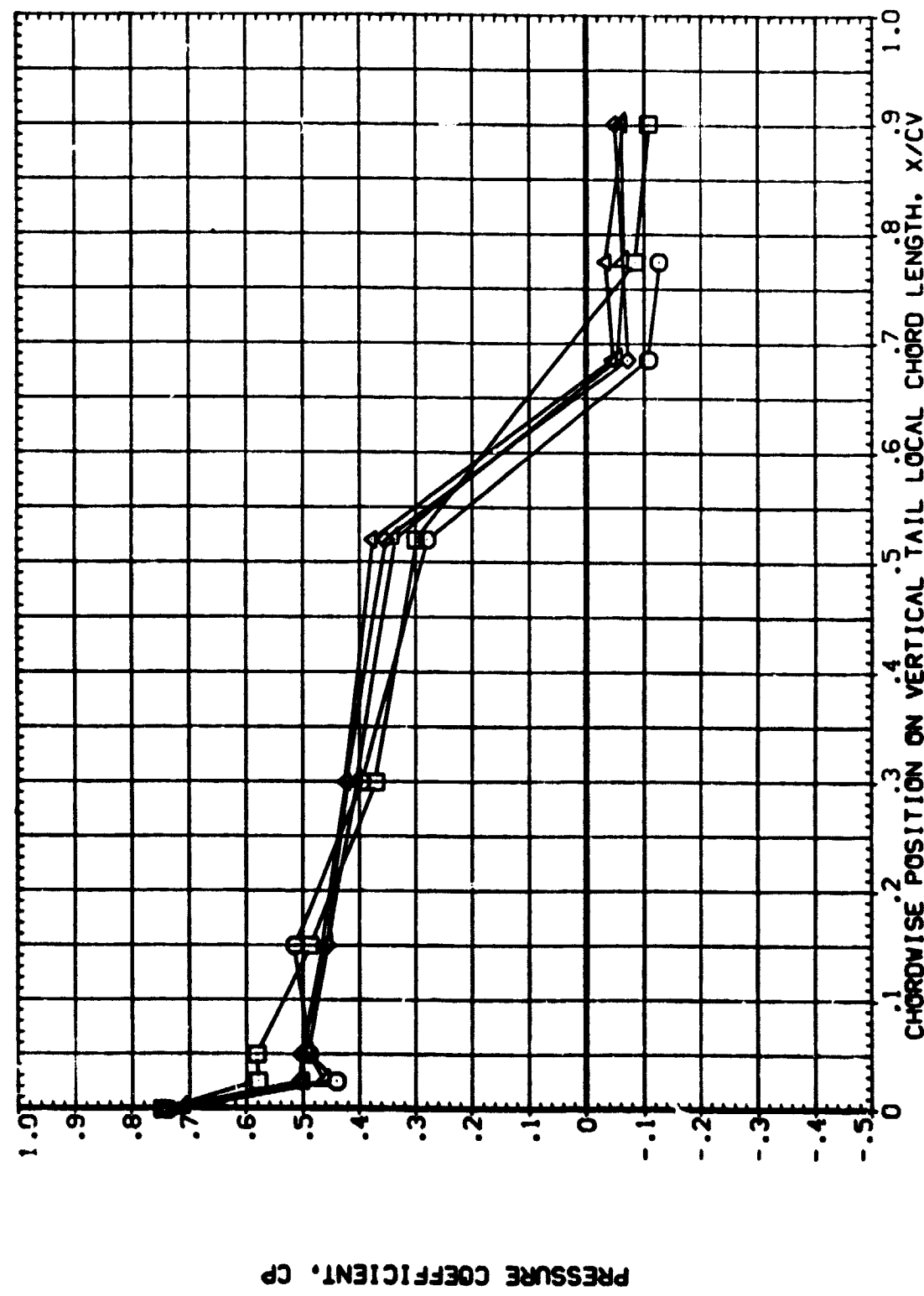


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL Z/W BETA α ALPHA α
 P \square \square \square \square
 .153 .008 -4.000
 .316
 .600
 .840
 .925

PARAMETRIC VALUES
 MACH 2.000 RW/FT 2.500
 ELY-18 .000 ELY-08 .000
 RUDDER .000 SPOBRK .000

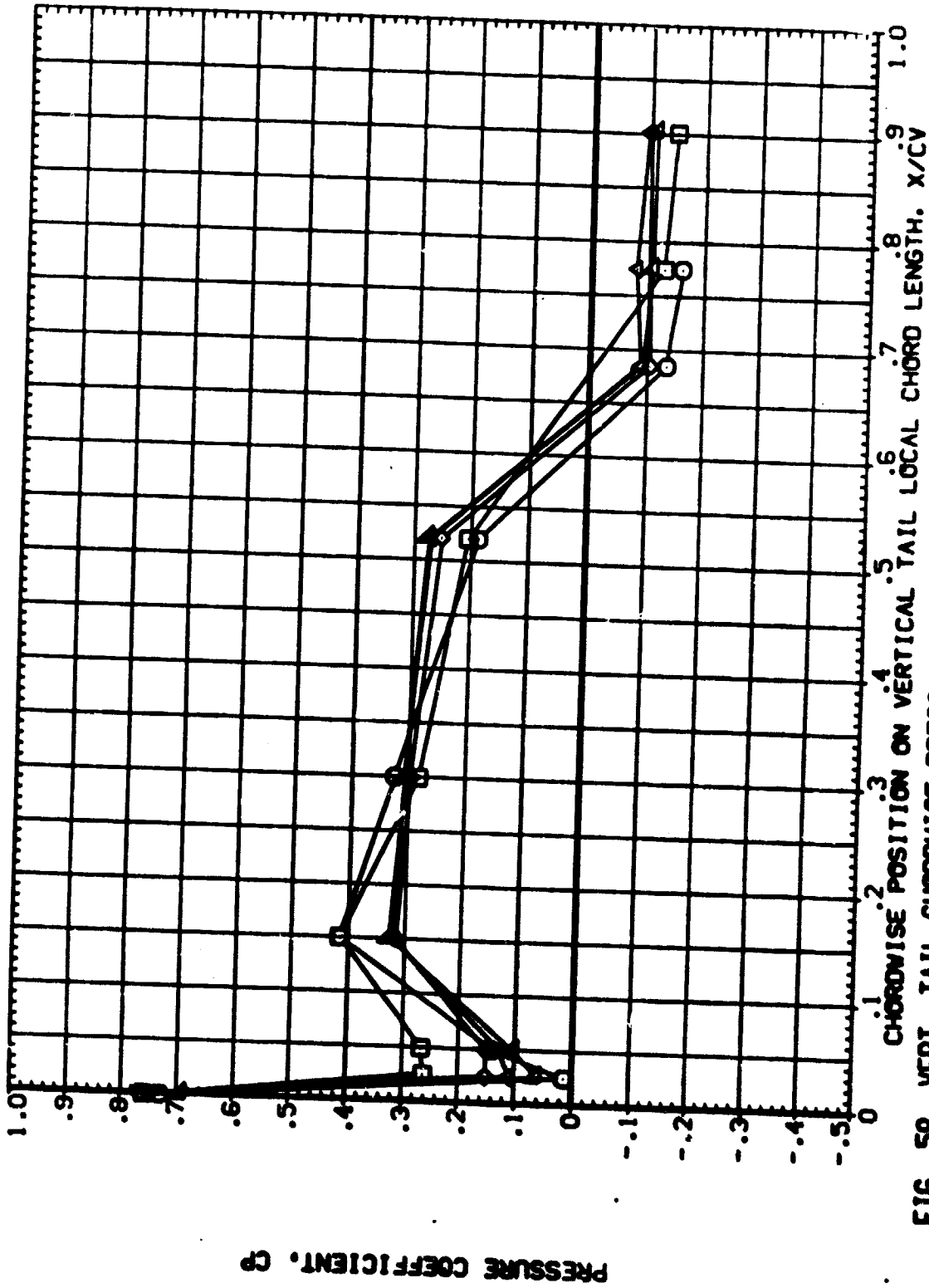


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/BV	BETA	ALPHA	MACH	PARAMETRIC VALUES
□	.153	4.000	-4.000	ELV-18	2.000
◇	.316			RUDER	.000
△	.600				.000
▽	.840				.000
▲	.925				.000

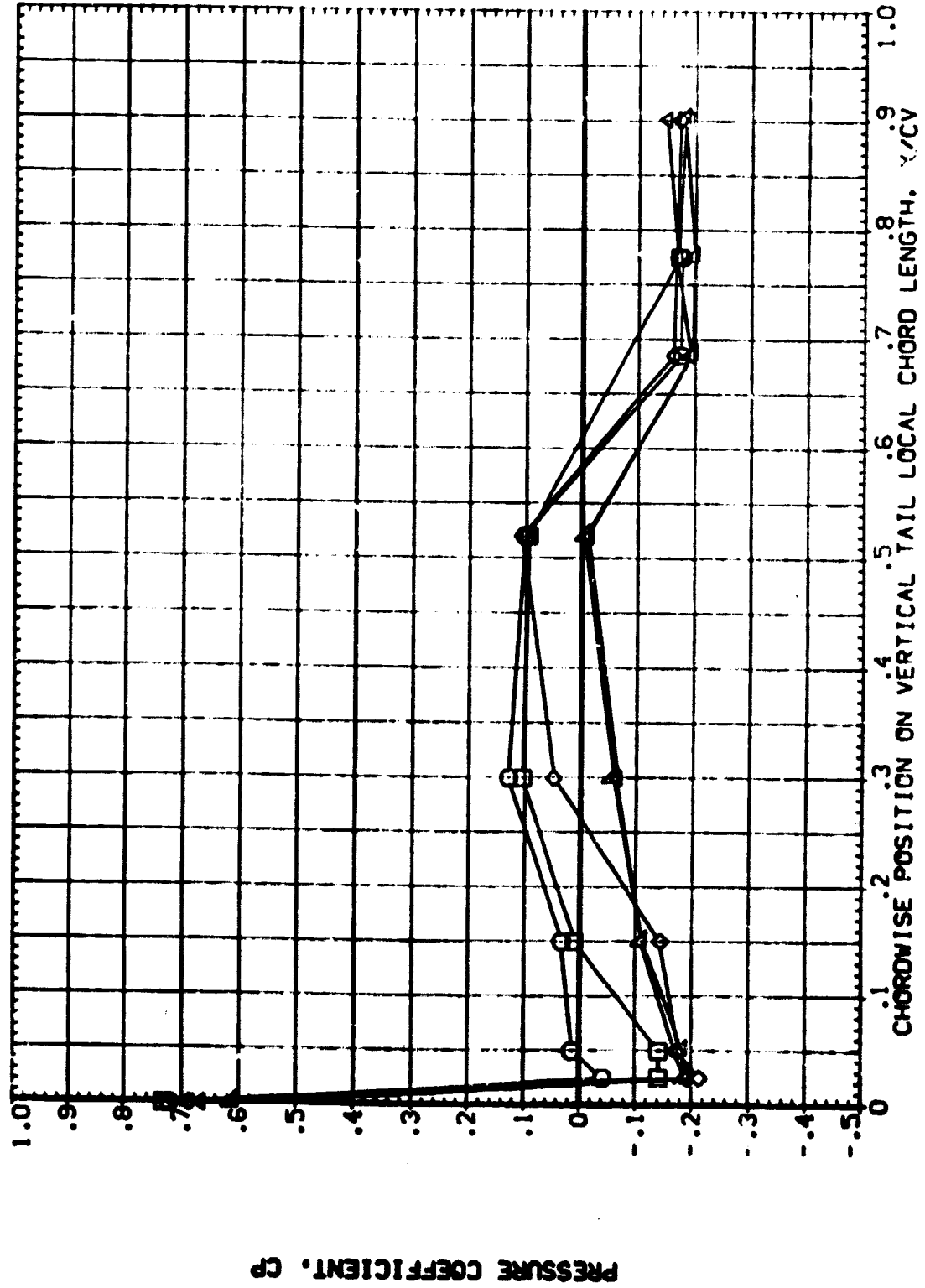


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0. SPOBRK=0. MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL		Z/BV	BETA0	ALPHA0	MACH	PARAMETRIC VALUES		
▽	◇	.153	-6.000	.000	ELV-18	2.000	RN/FT	2.500
◇	◇	.316			RUDDER	.000	ELV-08	.000
◇	◇	.600				.000	SPDBRK	.000
◇	◇	.840						
◇	◇	.925						

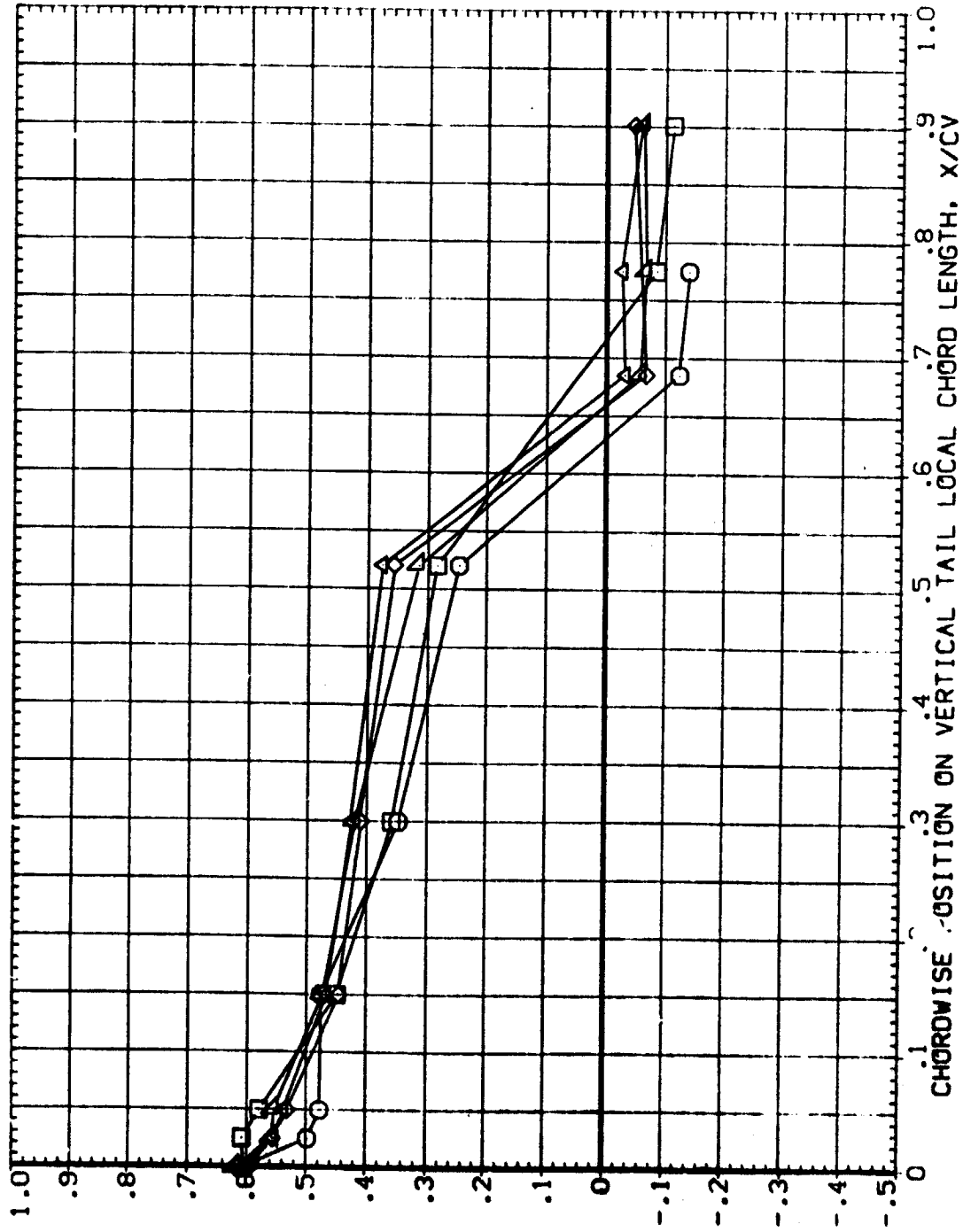


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL		PARAMETRIC VALUES	
□	Z/BV	MACH	RN/FT
◇	BETAG	ELV-18	ELV-08
○	ALPHAD	RUDDER	SPDBRK
○	.153		
○	.316		
○	.600		
○	.840		
○	.925		
			2.500
			.000
			.000

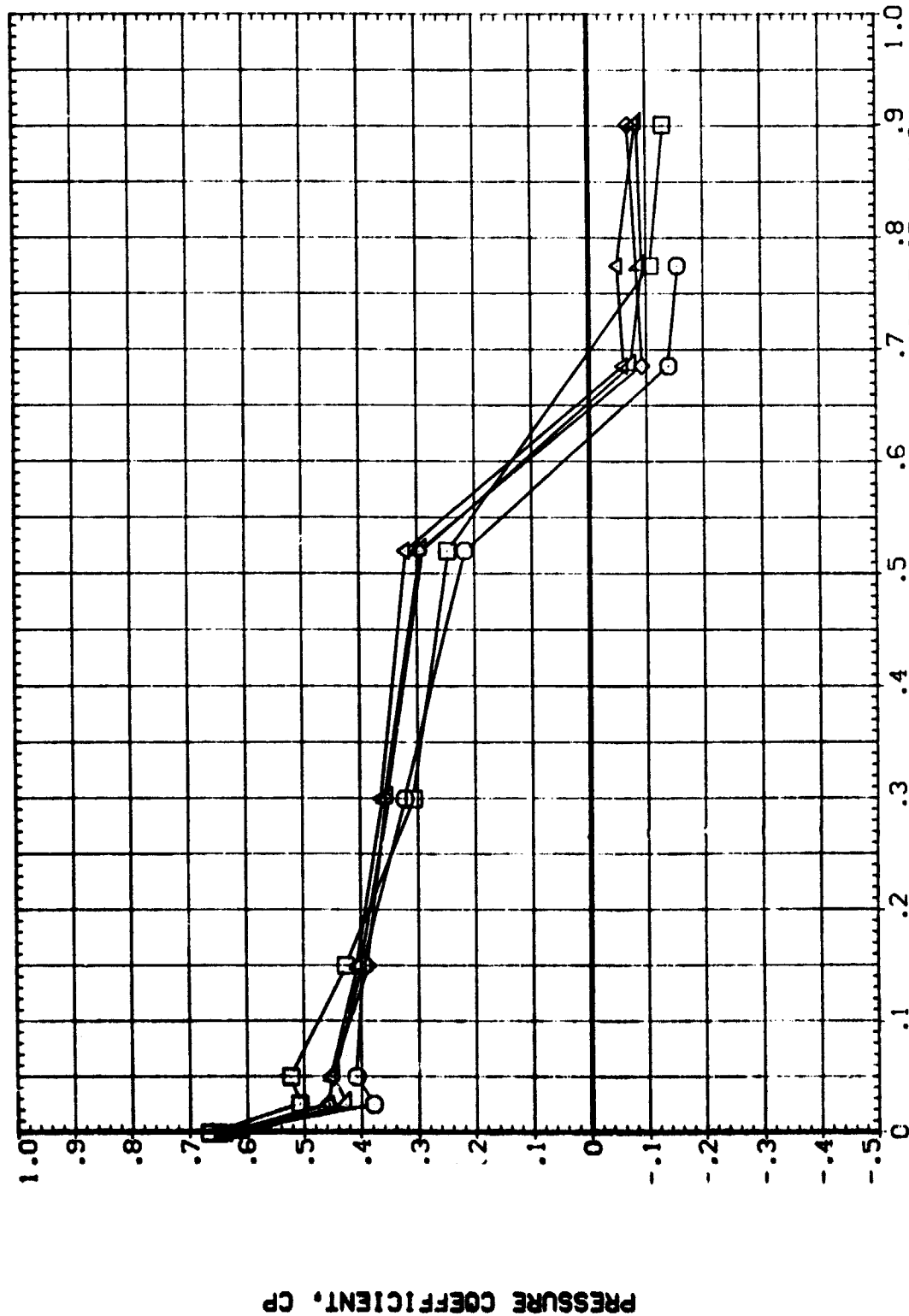


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/OY	BETA	ALPHA	PARAMETRIC VALUES			
				MACH	RN/FT	ELV-08	SPDBRK
▽	.153	.000	.000	2.000	2.500	.000	.000
◇	.316	.000	.000	ELV-1B			
○	.600			RUDDER			
△	.840						
◊	.925						

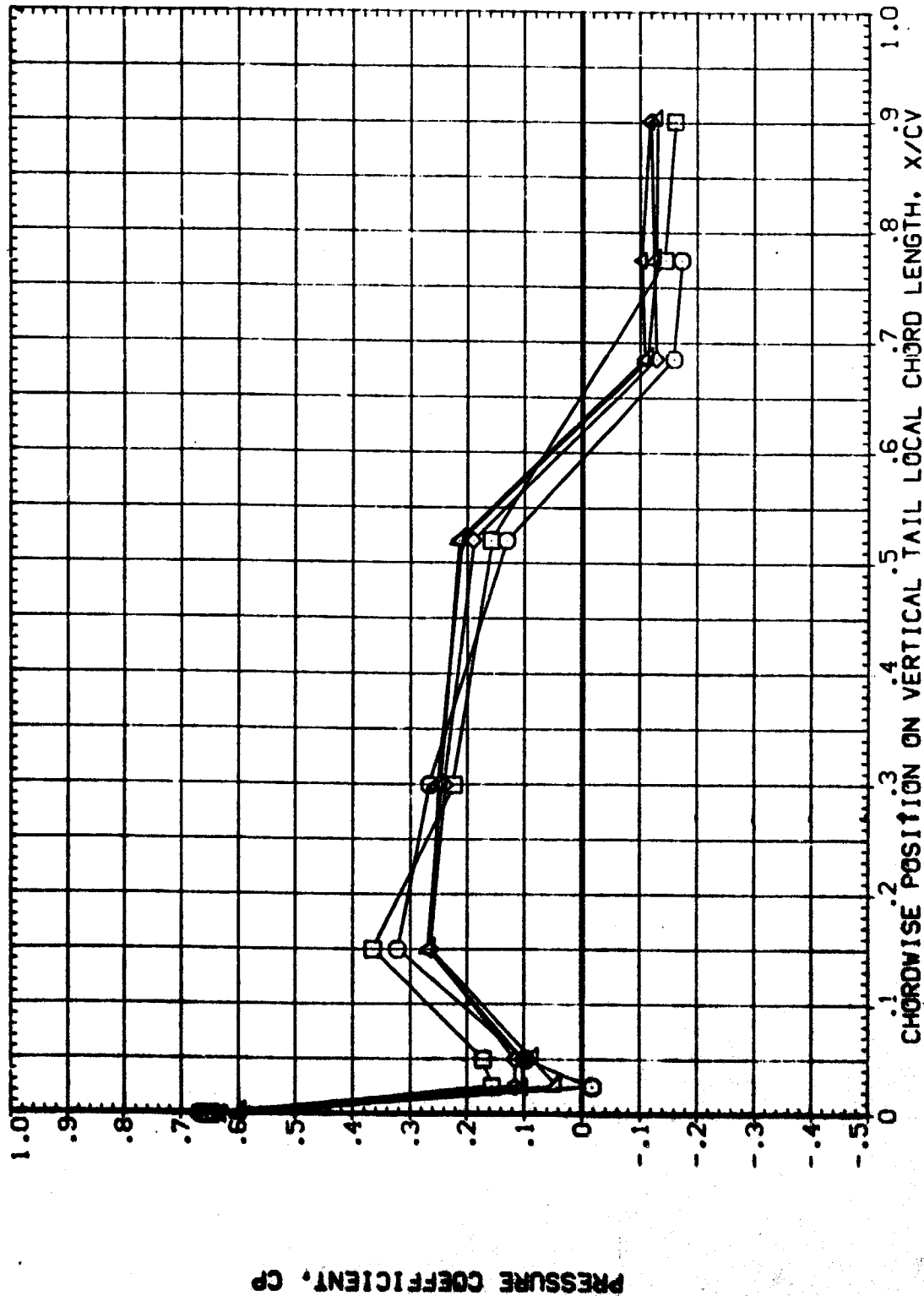


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

PARAMETRIC VALUES
 2.000 RM/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

BETA0 4.000
 ALPHA0 .000

Z/BV
 .153
 .316
 .600
 .840
 .925

SYMBOL
 ▽
 ◇
 □
 ○

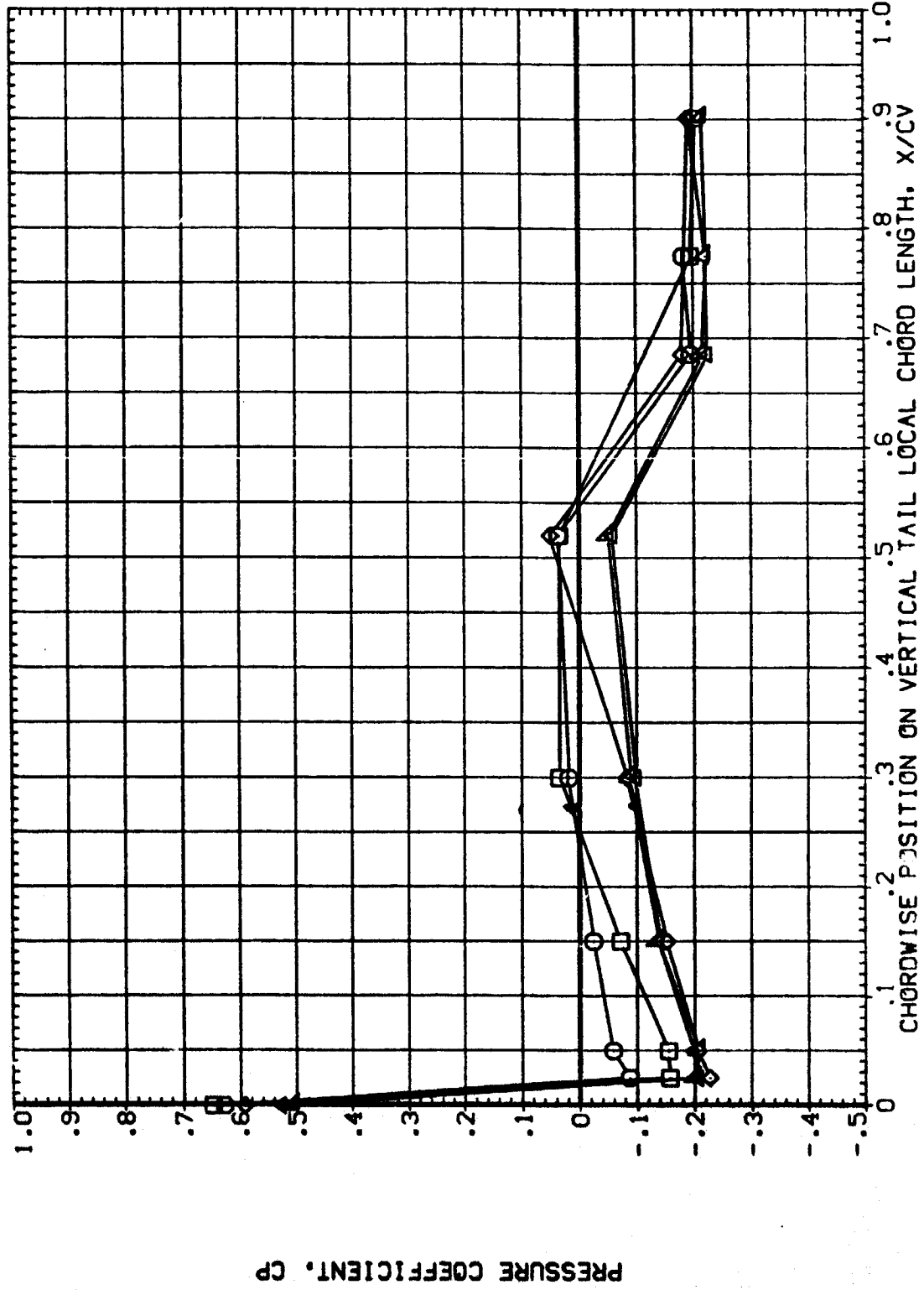


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/BV	BETA0	ALPHA0	MACH	PARAMETRIC VALUES
◇	.133	6.000	.000	ELV-1B	2.000 RN/FT 2.500
◇	.316			RUDER	.000 ELV-08 .000
◇	.600				.000 SPDRK .000
◇	.940				
◇	.975				

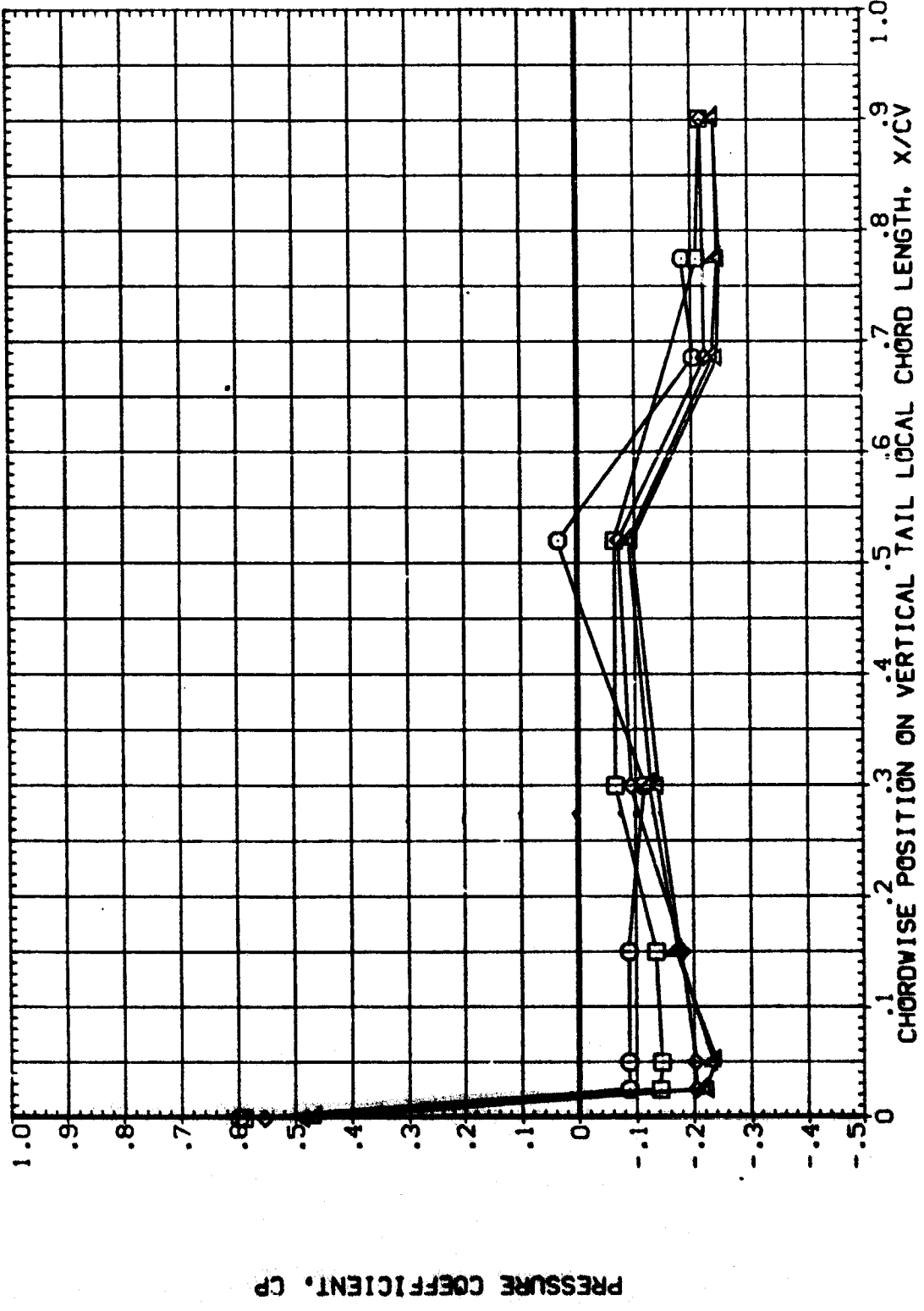


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDRK=0, MACH=2.00

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/BV	BETA θ	ALPHA θ	MACH	ELV-1B	RUDDER	PARAMETRIC VALUES
∇	.153	-4.000	4.000	2.000	.000	.000	RN/FT 2.500
\diamond	.316			.000	.000	.000	ELV-OB .000
\square	.600			.000	.000	.000	SPDBRK .000
\diamond	.840						
\square	.925						

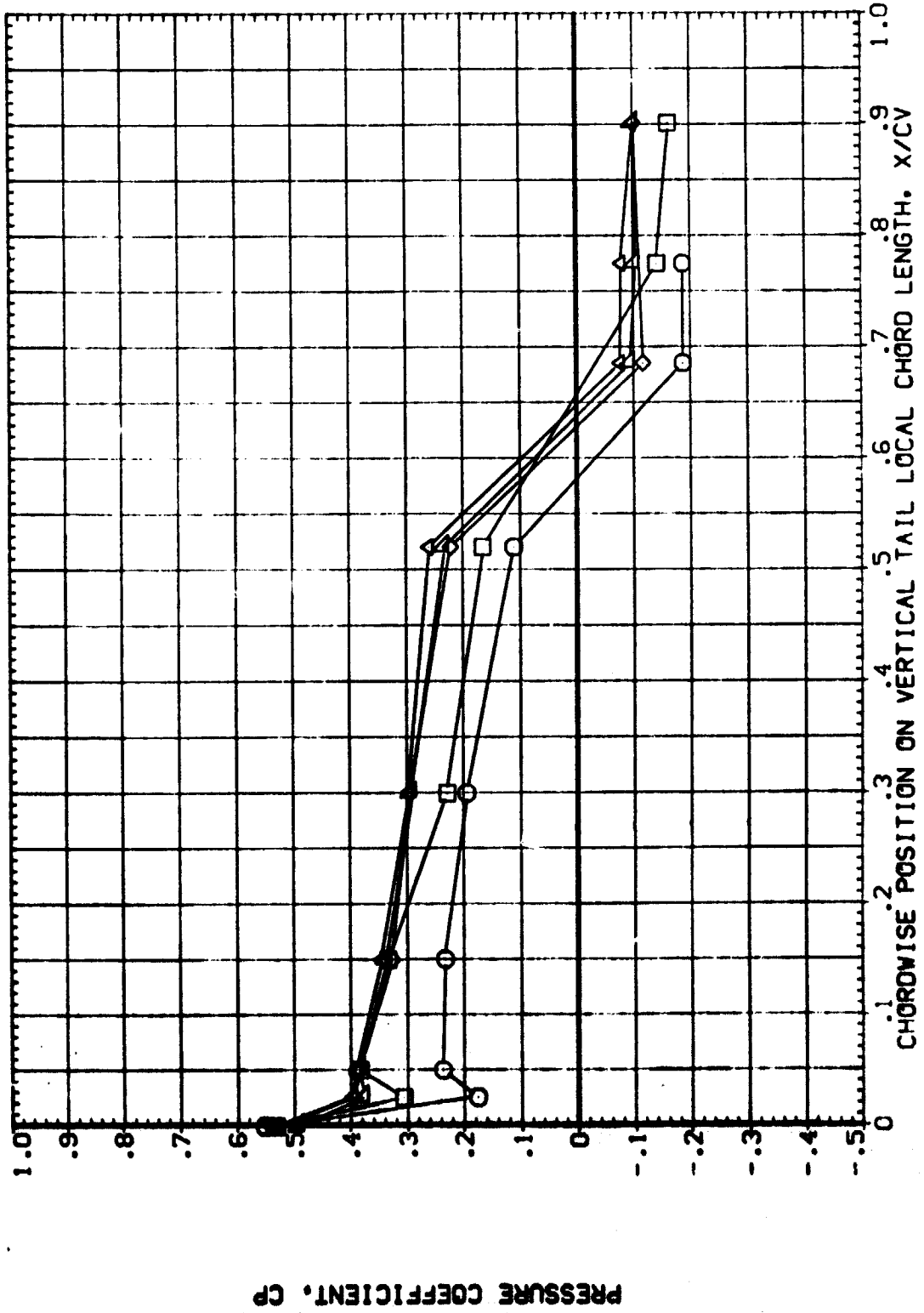


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

SYMBOL Z/BV BETA ALPHA
 ◊◊◊◊◊ .153 .700 4.000
 ◊◊◊◊◊ .316 .600
 ◊◊◊◊◊ .640
 ◊◊◊◊◊ .975

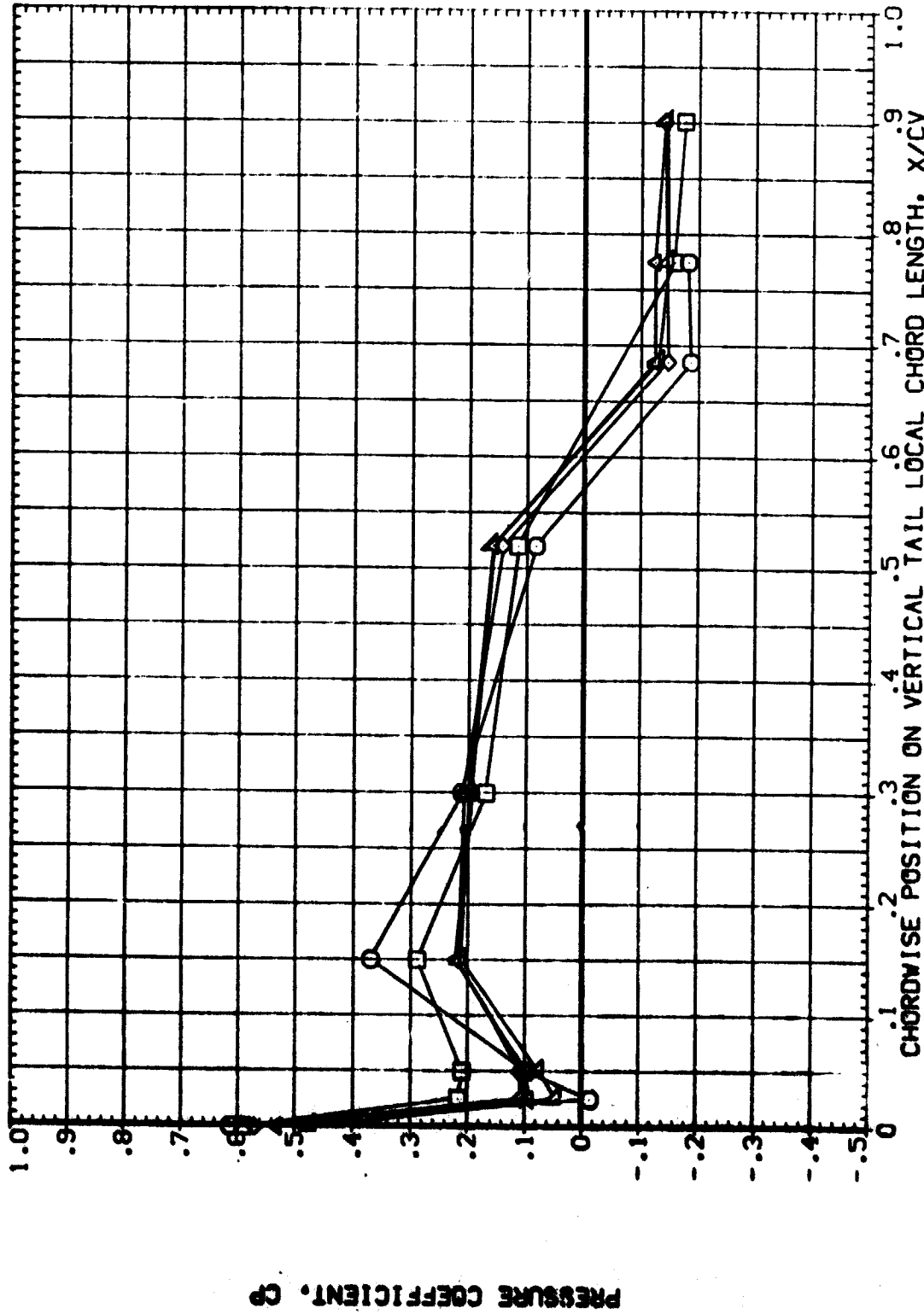


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(CALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL Z/BV BETA ALPHA
 ◊ ◊ ◊ .153 4.000 4.000
 ◻ ◻ ◻ .316 4.000 4.000
 ◻ ◻ ◻ .600 4.000 4.000
 ◻ ◻ ◻ .840 4.000 4.000
 ◻ ◻ ◻ .925 4.000 4.000

PARAMETRIC VALUES
 MACH 2.000 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

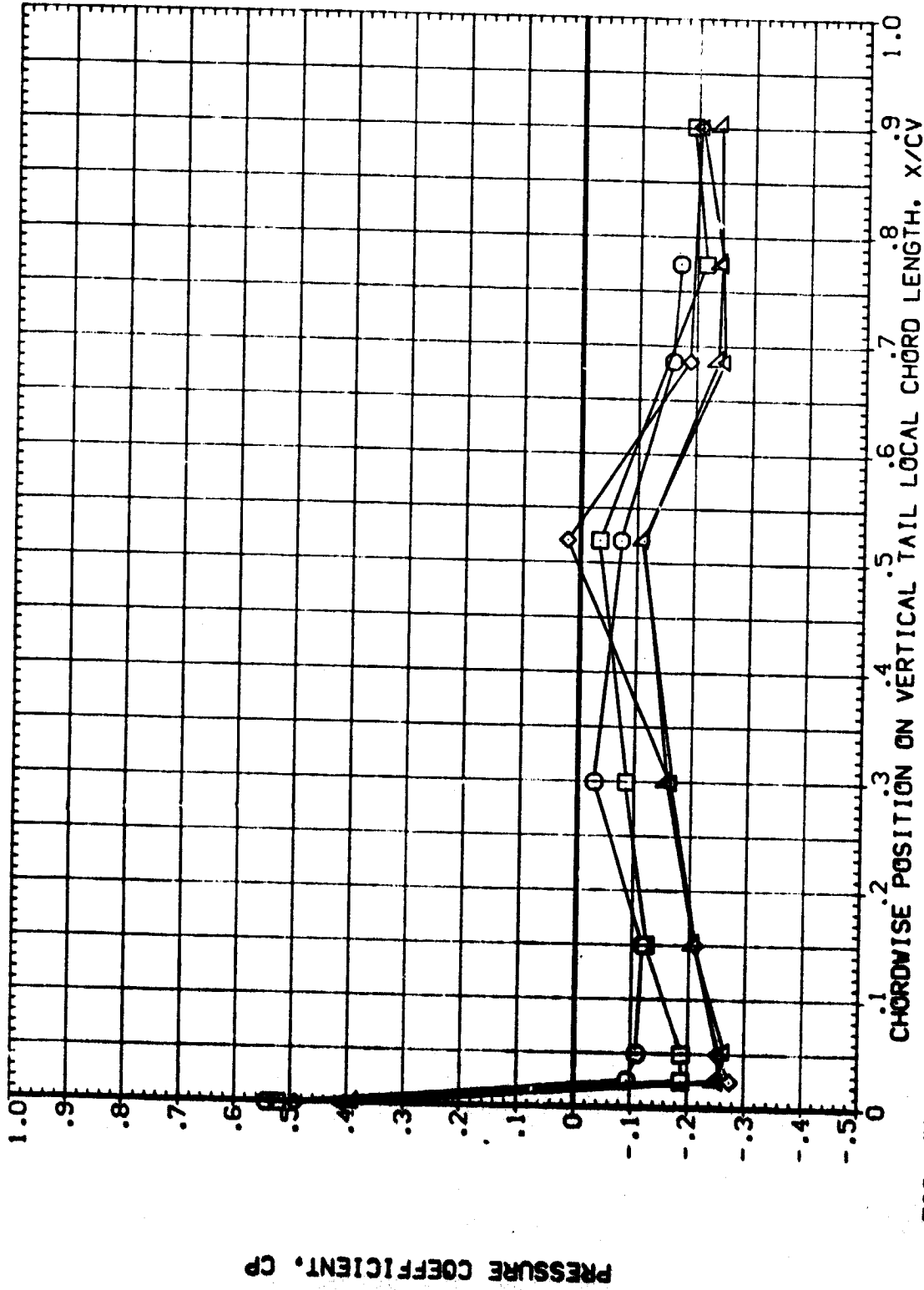


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV40)

SYMBOL	Z/BN	BETAG	ALPHAO	MACH	PARAMETRIC VALUES
◇	.153	.000	6.000	ELV-1B	2.000 RN/FT
○	.316			RUDDER	.000 ELV-08
△	.600				.000 SPDBRK
▽	.940				
◇	.975				

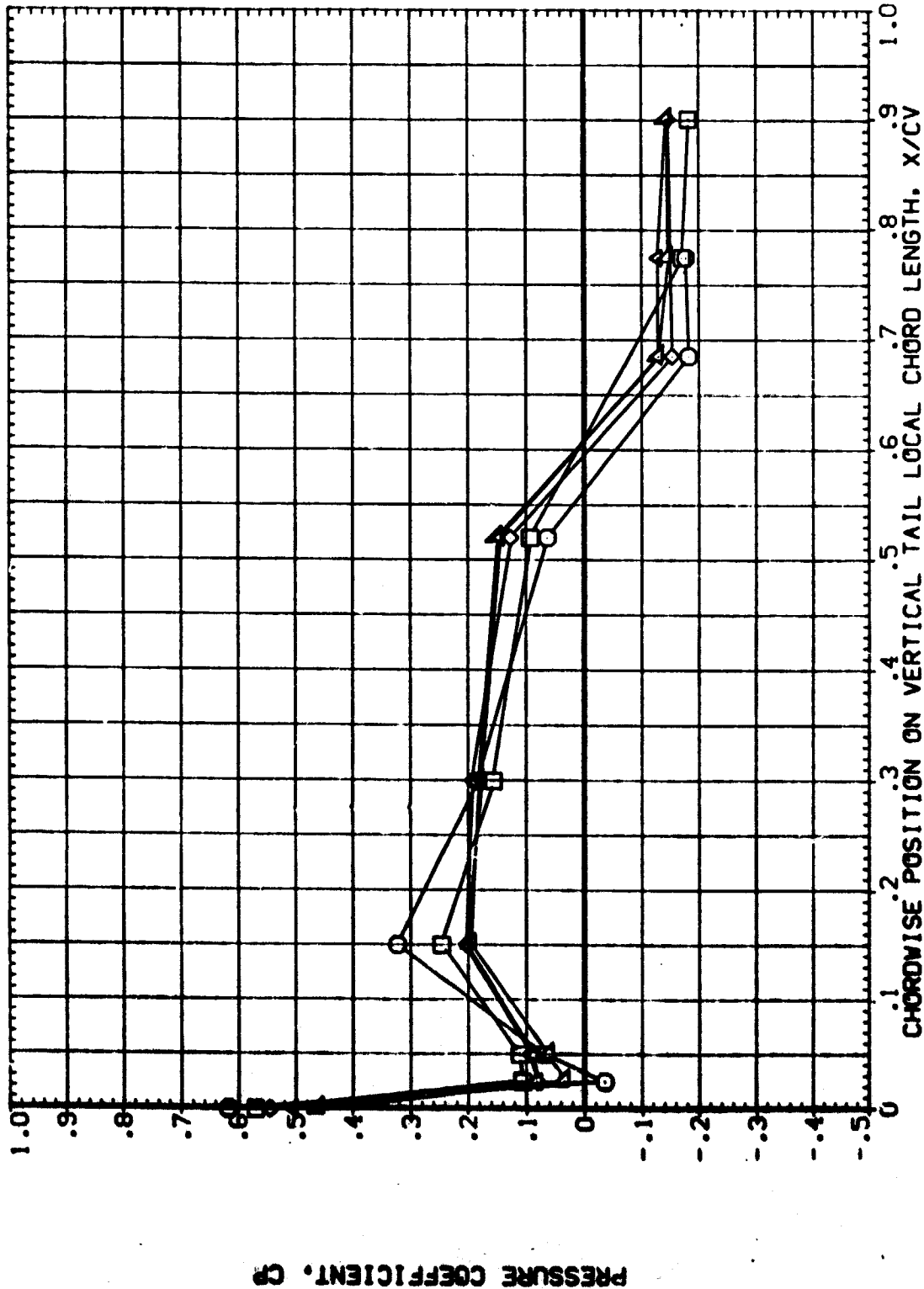


FIG. 58 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

SYMBOL	Z/BV	BETA	ALPHA	MACH	PARAMETRIC VALUES
▽	.153	.000	-6.000	ELV-1B	2.200
◇	.316	.000		RUDDER	.000
□	.600			ELV-08	.000
△	.840			SPOBRK	.000
▽	.925				2.500

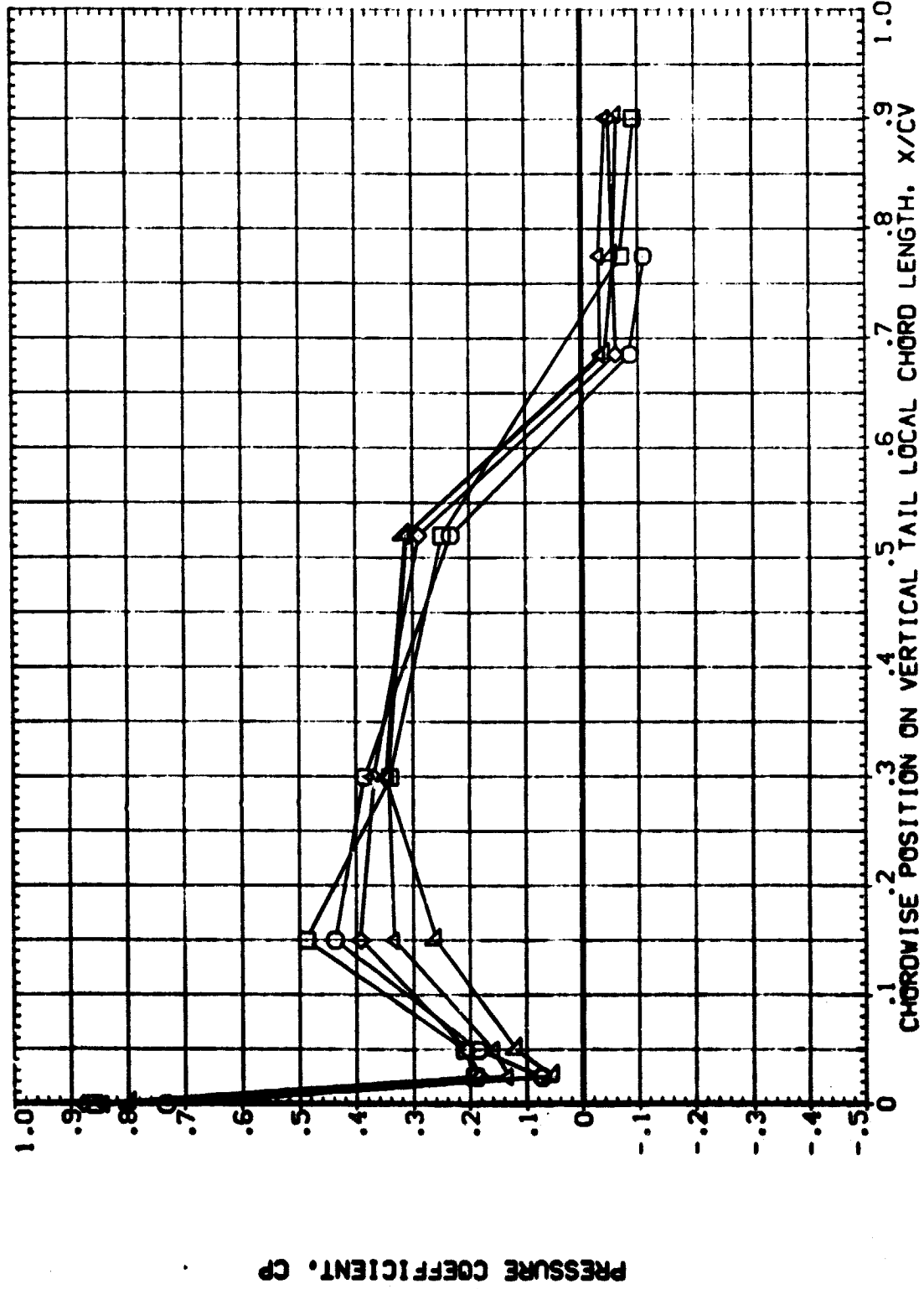


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

SYMBOL
 ▲
 ○
 □
 △

Z/OV .153
 .316
 .600
 .900
 .925

MACH 2.200
 ELV-18 .000
 RUDDER .000

PARAMETRIC VALUES
 RN/FT 2.500
 ELV-08 .000
 SPOBHK .000

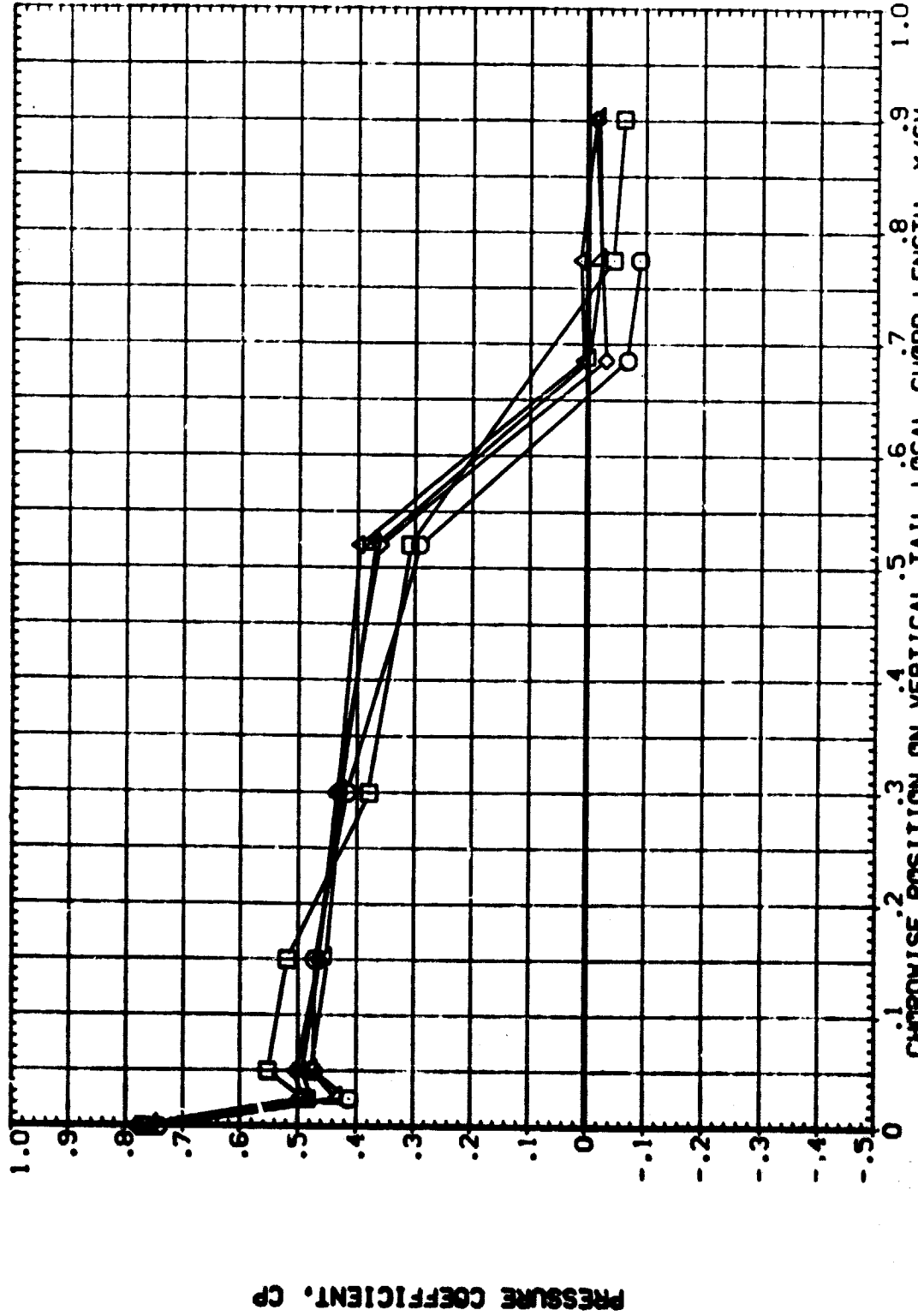


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPOBRK=0, MACH=2.20

ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41))

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPOBRK .000

MACH
 ELV-18
 RUDDER

Z/W .153
 .316
 .600
 .840
 .925

BETA0 .000
 ALPHA0 -4.000

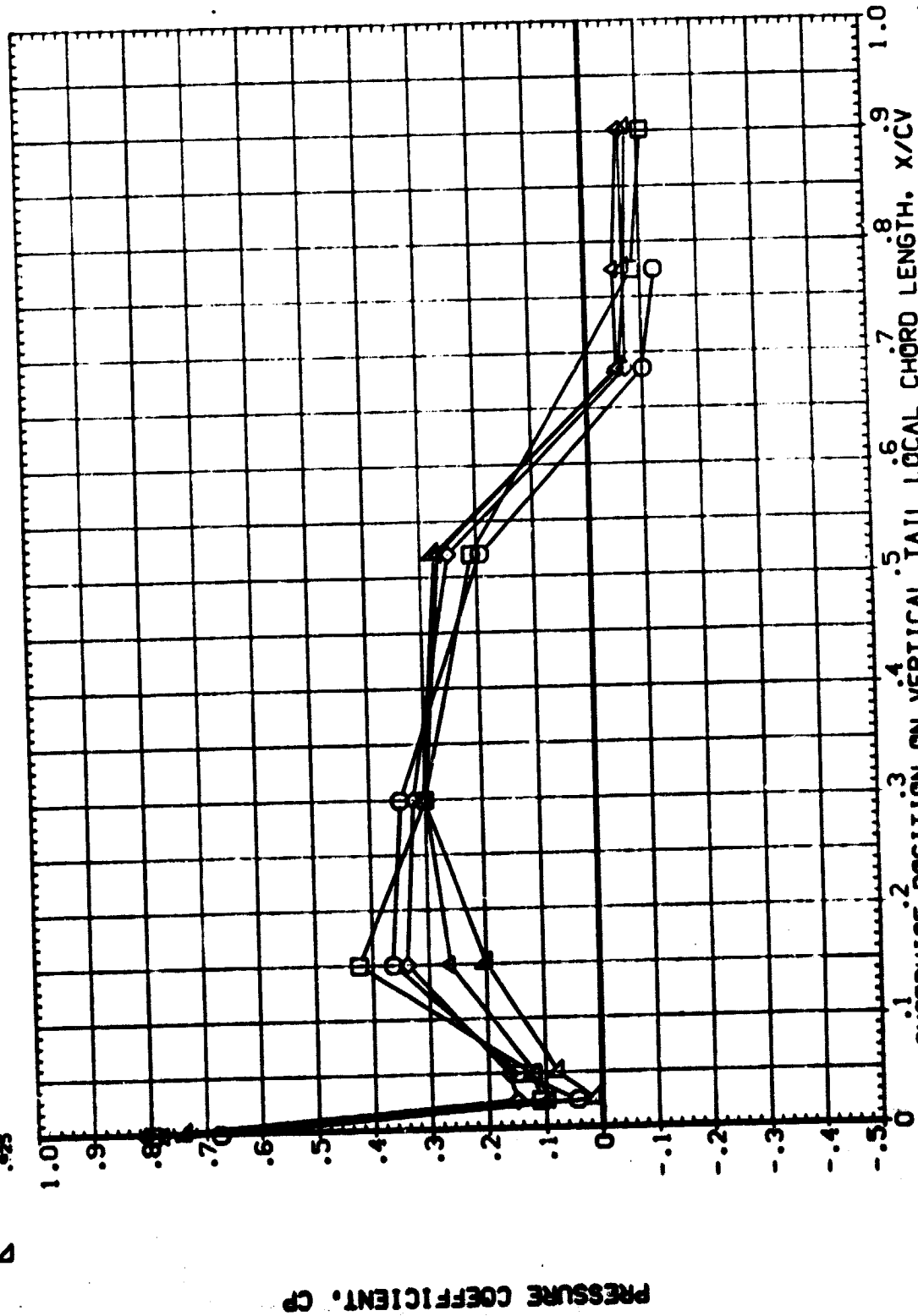


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (JETV41)

SYMBOL Z/ON BETA0 ALPHA0
 ○ .133 4.000 -4.000
 □ .316
 △ .600
 ◇ .800
 ○ .925

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPOBRK .000

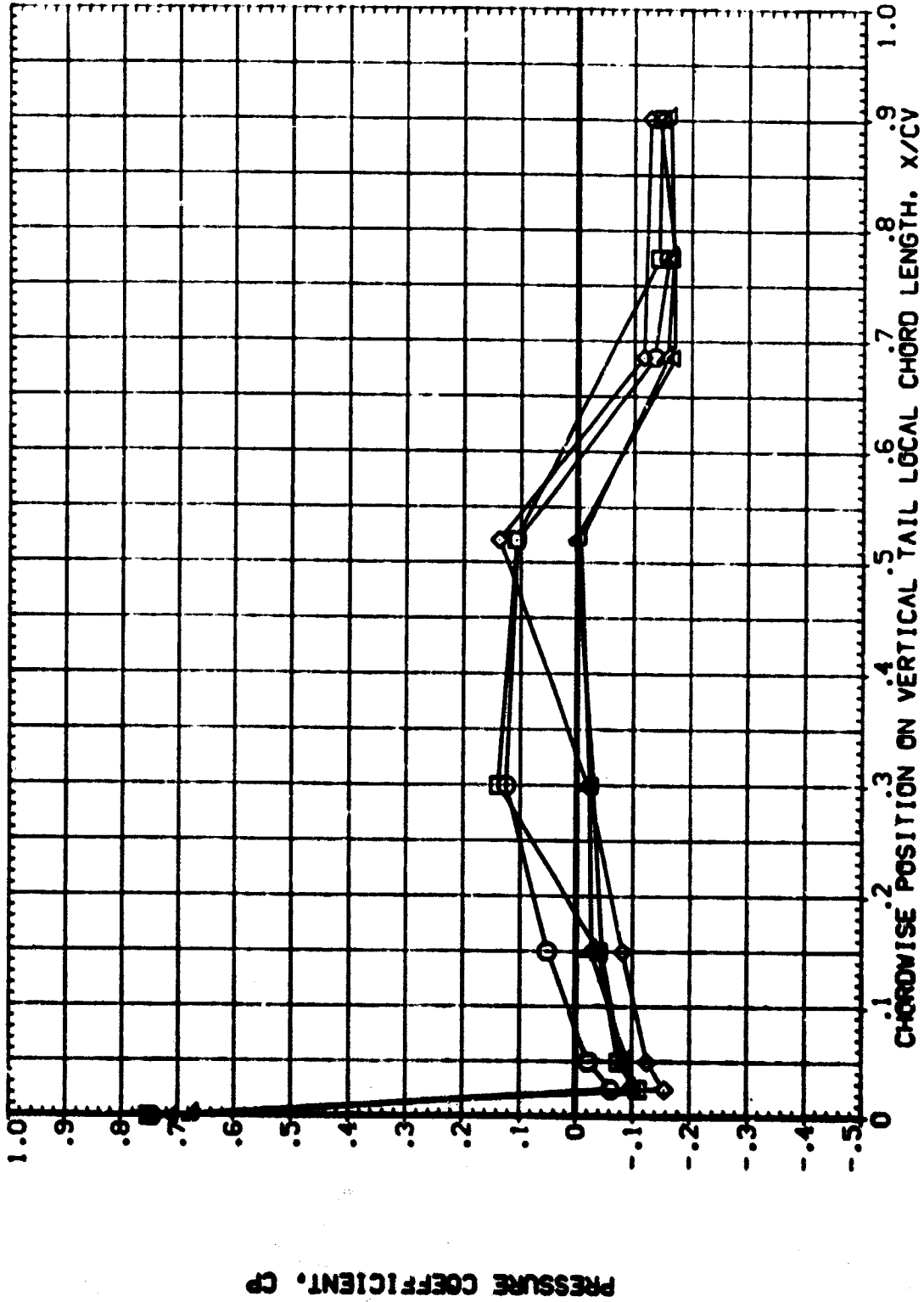


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0. SPOBRK=0, MACH=2.20

ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41))

SYMBOL		Z/W	BETA0	ALPHA0	PARAMETRIC VALUES			
◇	◇	.153	-6.000	.000	MACH	2.200	RN/FT	2.500
◇	◇	.316			ELV-18	.000	ELV-08	.000
◇	◇	.600			RUDDER	.000	SPDBRK	.000
◇	◇	.800						
◇	◇	.975						

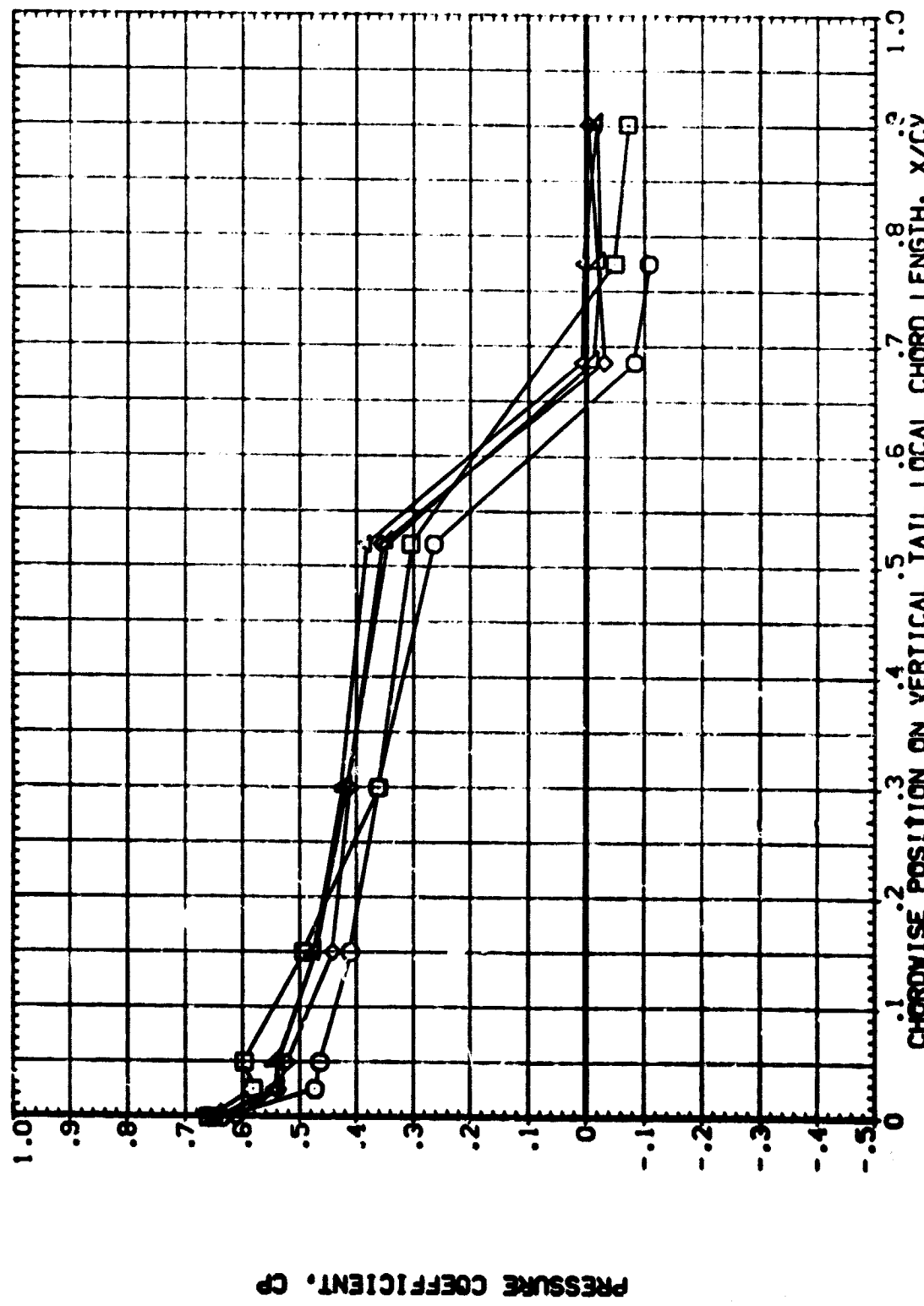


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=0, MACH=2.20
PAGE 1151

ARC97-019 IAB1 LVAP[ALLHL SEALED] LEFT VERTICAL (IETV41)

PARAMETRIC VALUES
 2.200 RN/FT 2.500
 .000 ELV-DB .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

Z/BV BETA0 ALPHAD
 .153 -4.000 .000
 .316
 .600
 .840
 .925

SYMBOL
 ▽
 ◇
 ○
 □

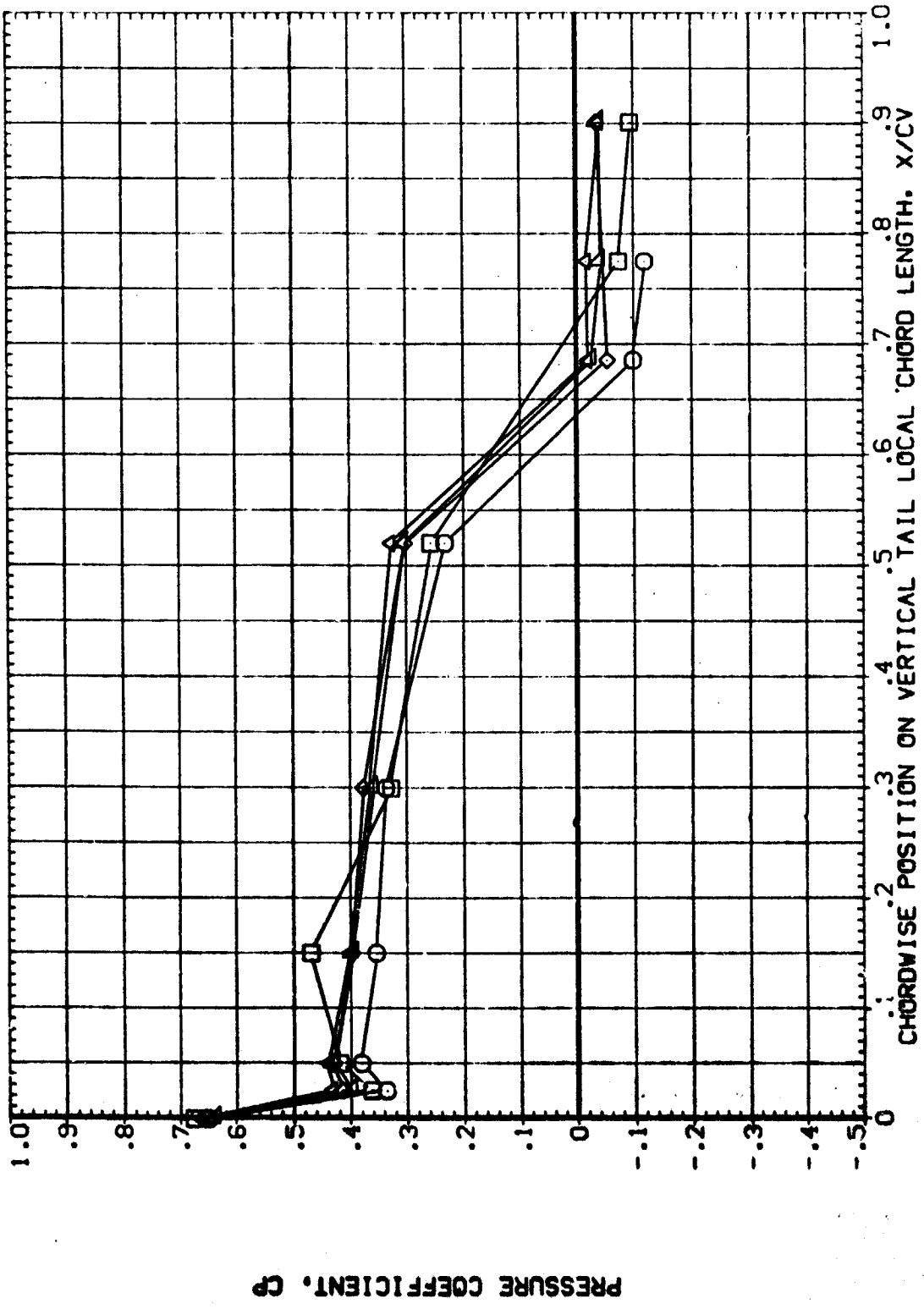


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPDBRK .000

SYNO. Z/8V BETAD ALPHAG
 .153 .000 .000
 .316
 .600
 .840
 .925

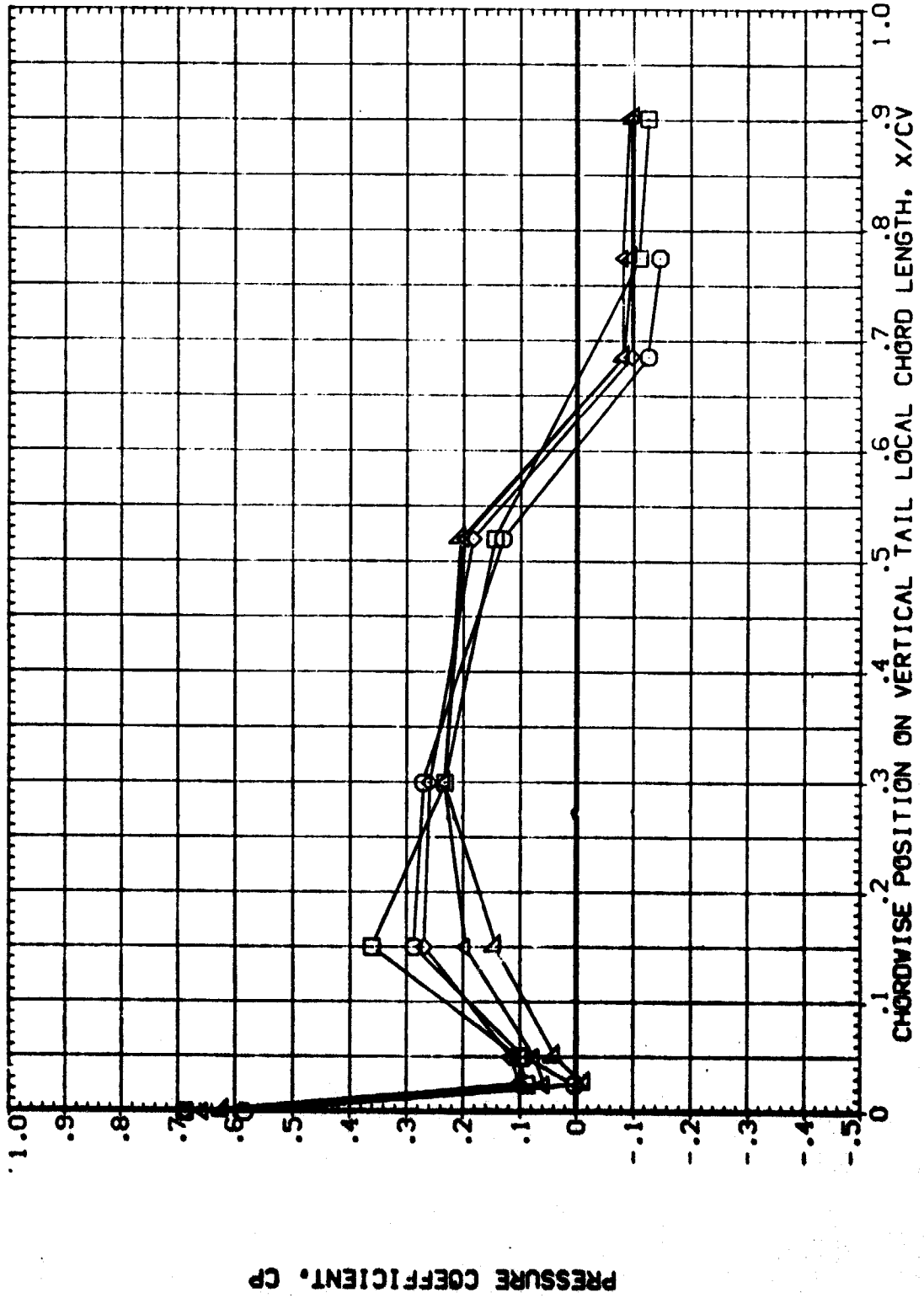


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

PARAMETRIC VALUES
 2.200 RM/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

Z/0V BETAO ALPHAO
 .153 4.000 .000
 .316
 .600
 .840
 .925

SYMBOL
 ▽
 ◊
 □
 ◊
 ▽

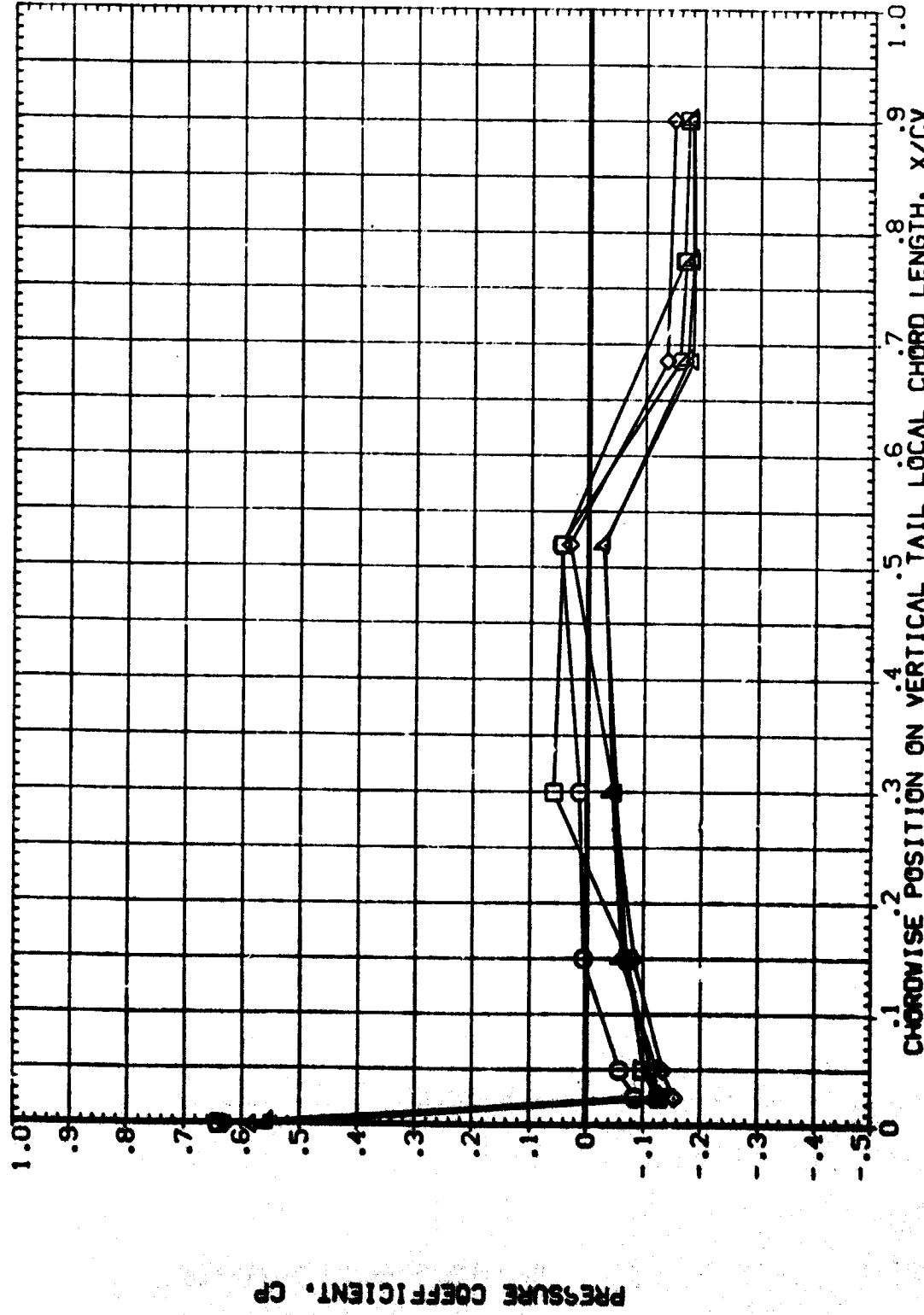


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

BETAB 6.000 ALPHA .000

Z/BV .153
 .316
 .600
 .840
 .975

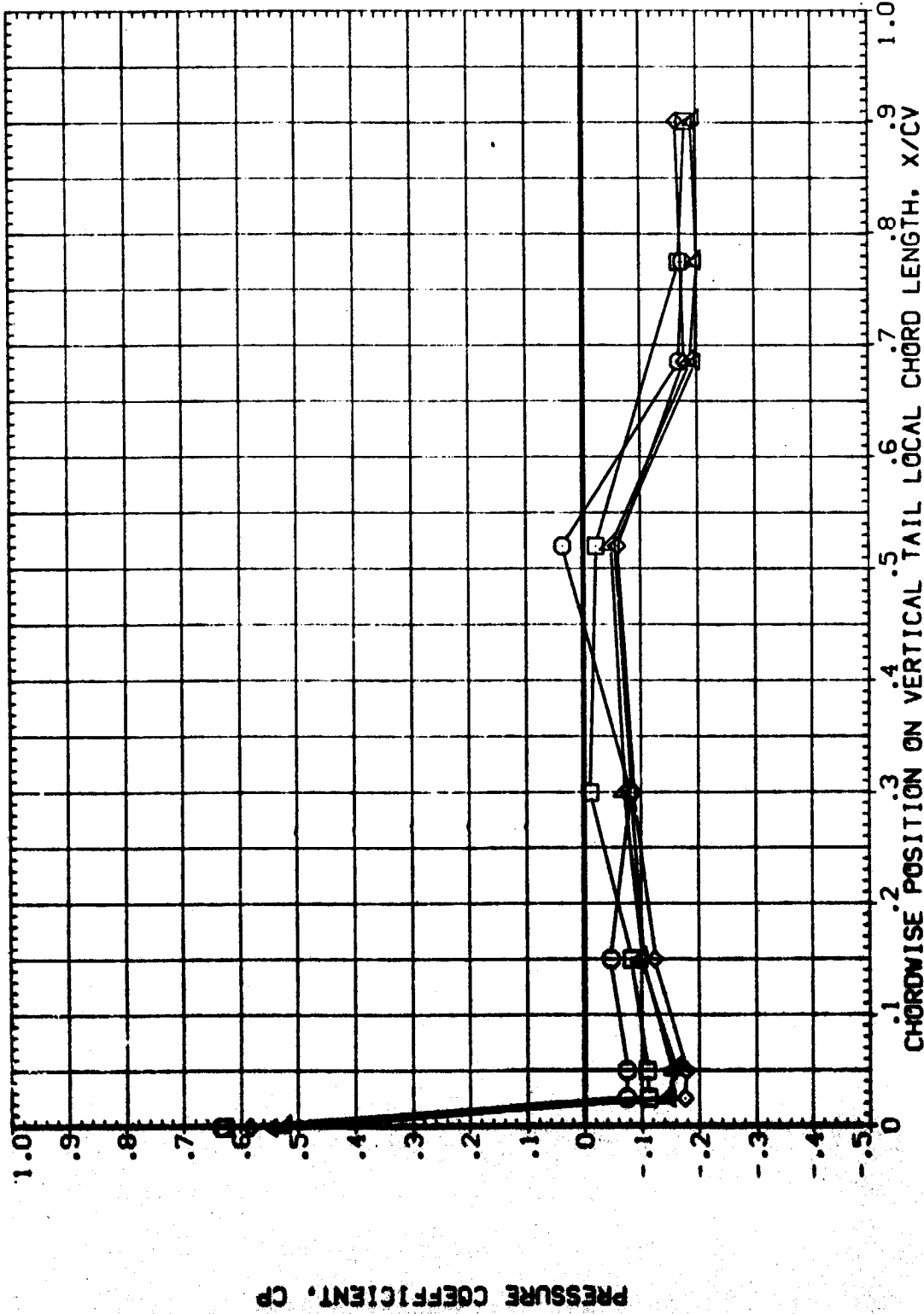


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

PARAMETRIC VALUES
 MACH: 2.200 RN/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

Z/RY BETA ALPHA
 .153 -4.000 4.000
 .316
 .600
 .840
 .925

SYMBOL
 ◊ ◻ ◯

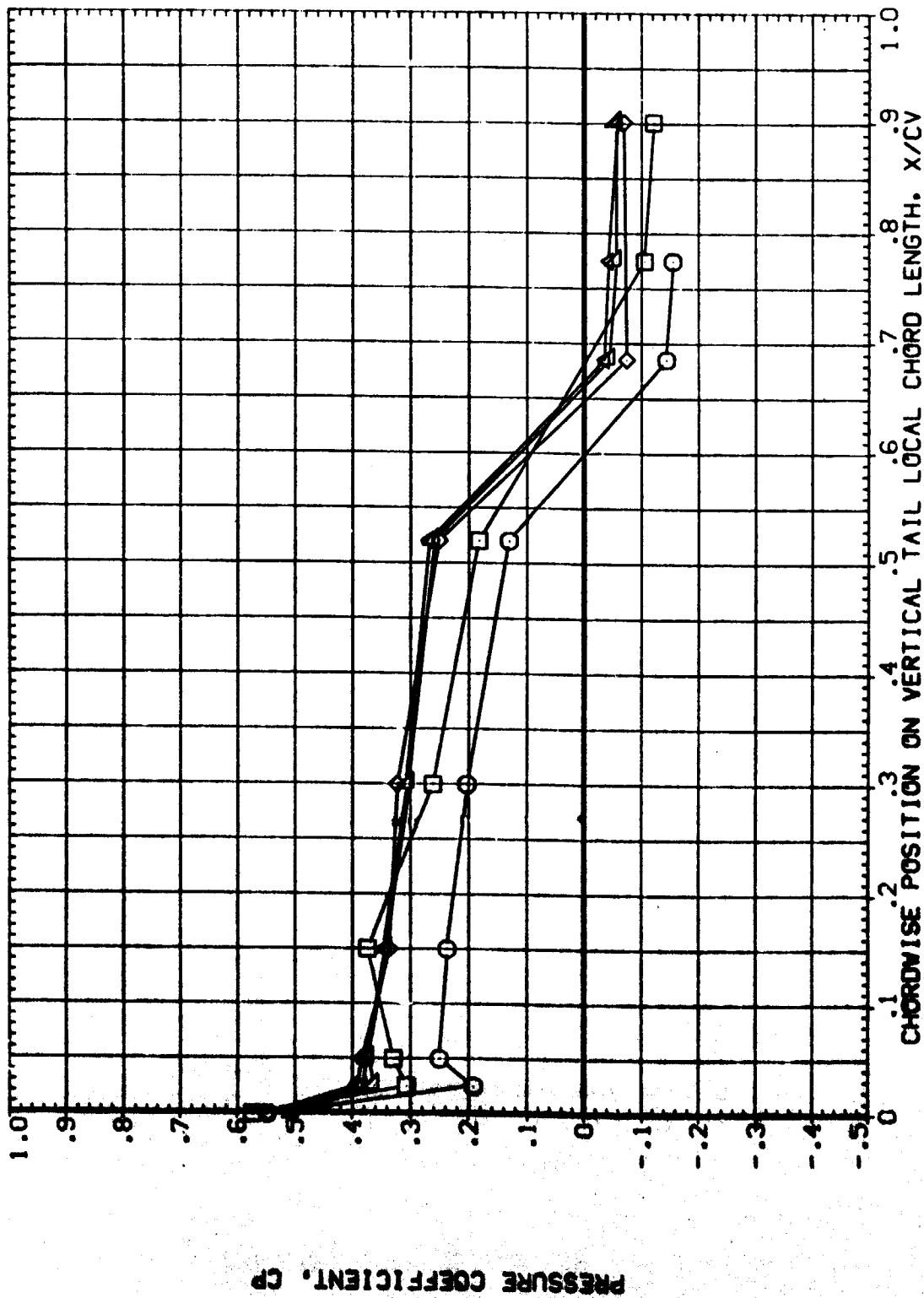


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(CALLHL SEALED) LEFT VERTICAL (IETV41)

SYMBOL		Z/8V	BETA θ	ALPHA θ	PARAMETRIC VALUES			
▽	◇	.153	.000	4.000	MACH	2.200	RN/FT	2.500
□	◇	.316			ELV-1B	.000	ELV-0B	.000
◇	◇	.600			RUDDER	.000	SPOBRK	.000
▽	◇	.840						
▽	◇	.925						

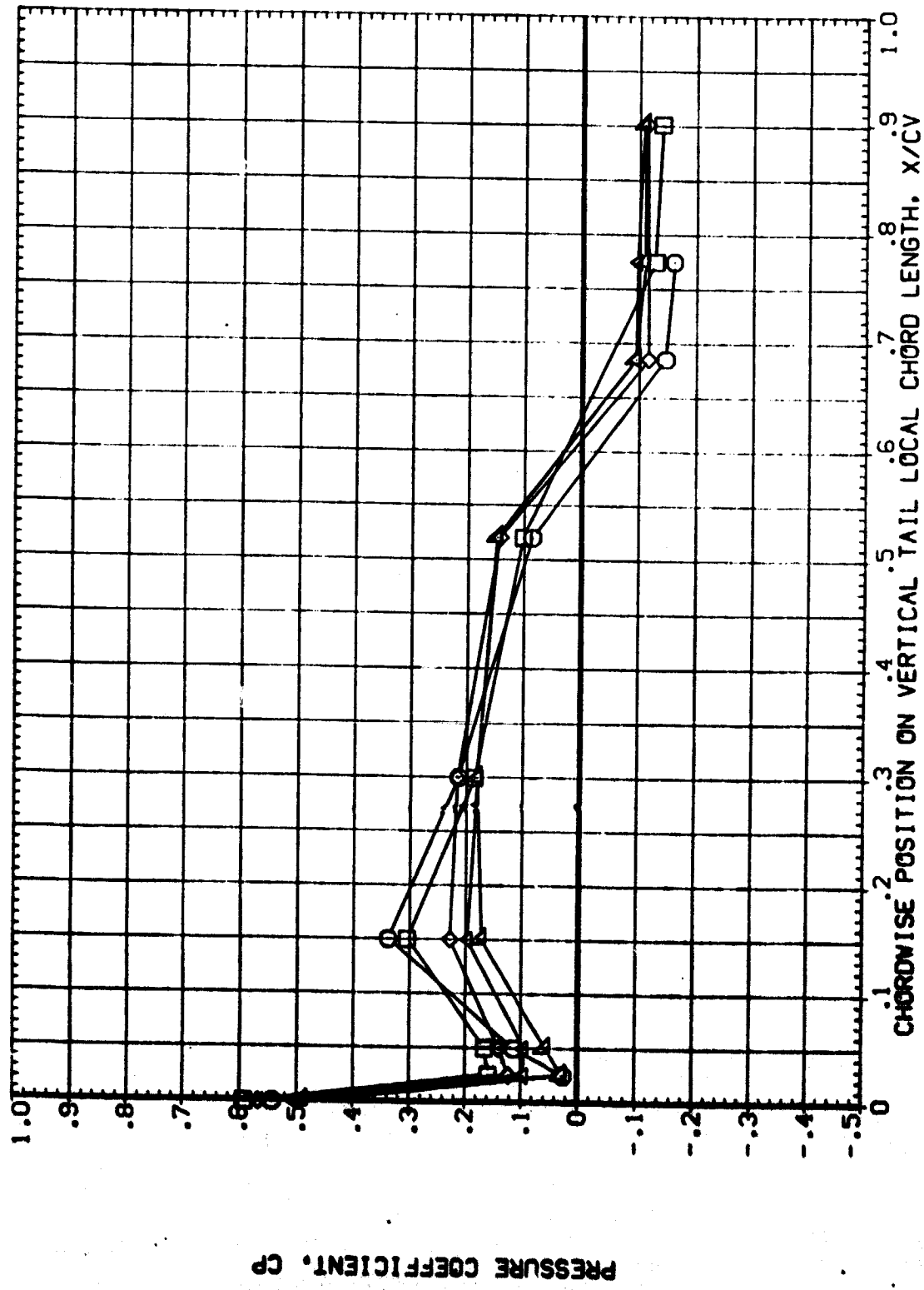


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.20

ARC97-019 IA81 LVAPCALLHL SEALED) LEFT VERTICAL (IETV41)

SYMBOL	Z/SW	BETA	ALPHA	MACH	PARAMETRIC VALUES
▷	.153	4.000	4.000	ELV-18	2.200
▷	.316			RUDDER	.000
▷	.600			ELV-08	2.500
▷	.840			SPDBRK	.000
▷	.925				.000

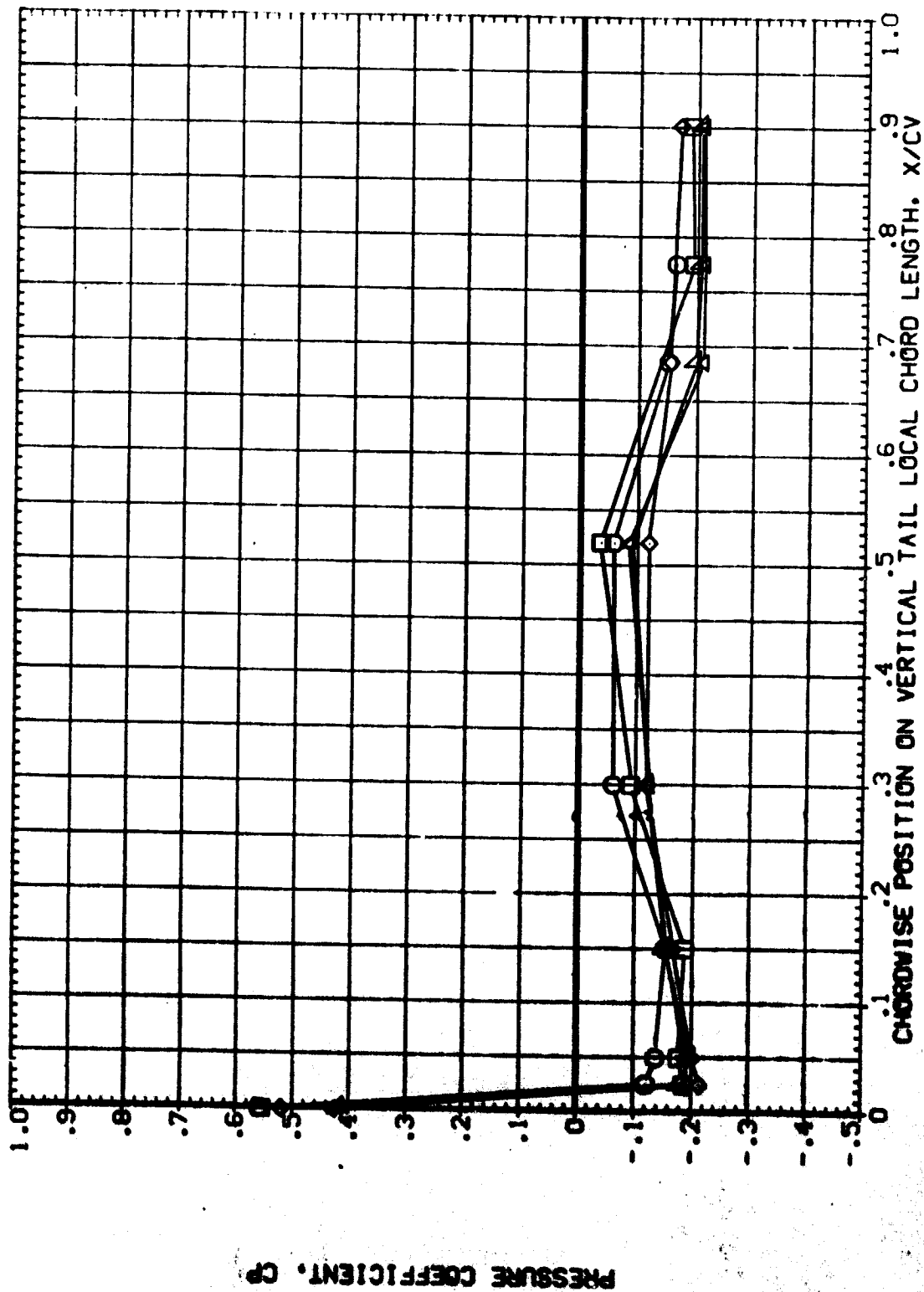


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV41)

SYMBOL	PARAMETRIC VALUES	
	Z/BV	ALPHA ₀
◇	.153	6.000
◇	.316	.000
◇	.640	.000
◇	.840	.000
◇	.925	.000

PARAMETRIC VALUES	
MACH	2.200
ELV-1B	.000
RUDDER	.000
ELV-08	2.500
SPOBRK	.000

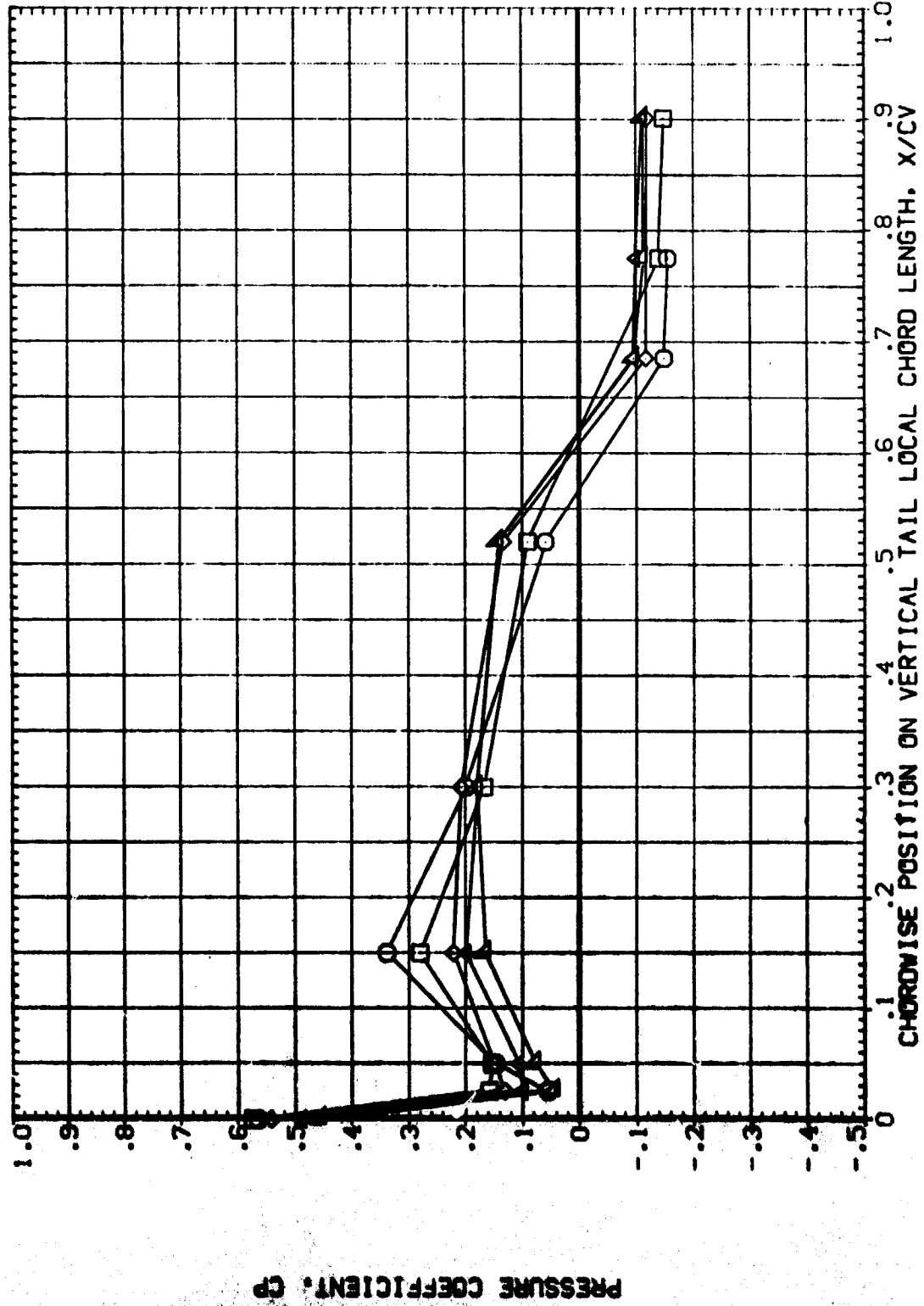


FIG. 59 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

SYMBOL	Z/RY	BETA	ALPHA	MACH	PARAMETRIC VALUES
▽	.153	.000	-6.000	ELV-1B	2.500 RN/FT
◇	.316	.000	-6.000	RUDDER	.000 ELV-08
□	.600	.000	-6.000		.000 SPDBRK
○	.840	.000	-6.000		.000
△	.975	.000	-6.000		.000

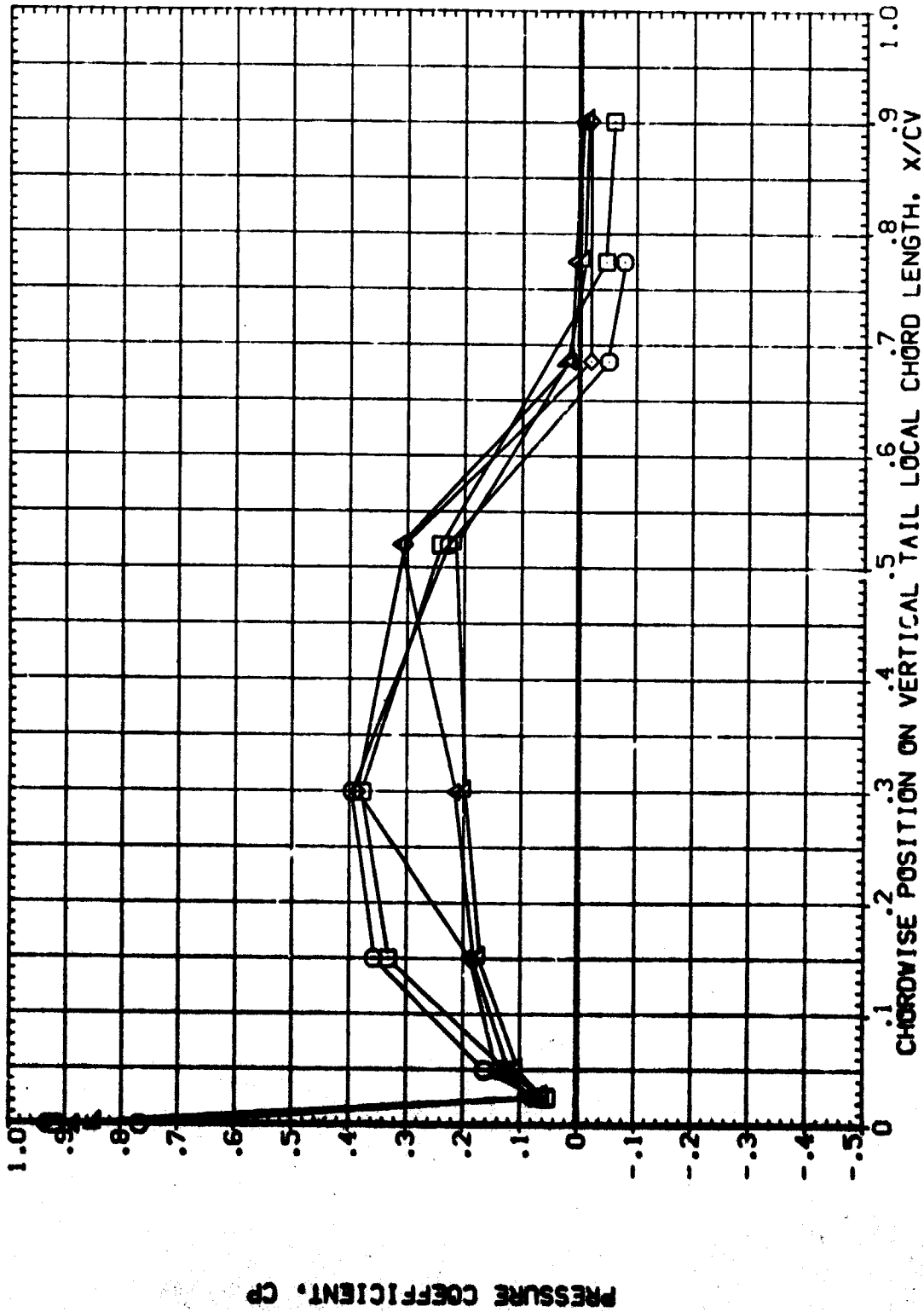


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVEN I/O=0/O, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES	
MACH	2.500
ELV-1B	.000
RUDDER	.000
RN/FT	2.500
ELV-0B	.000
SPOBRK	.000

SYMBOL	Z/W	BETA θ	ALPHA θ
◇	.153	-4.000	-4.000
◇	.316		
◇	.600		
◇	.840		
◇	.925		

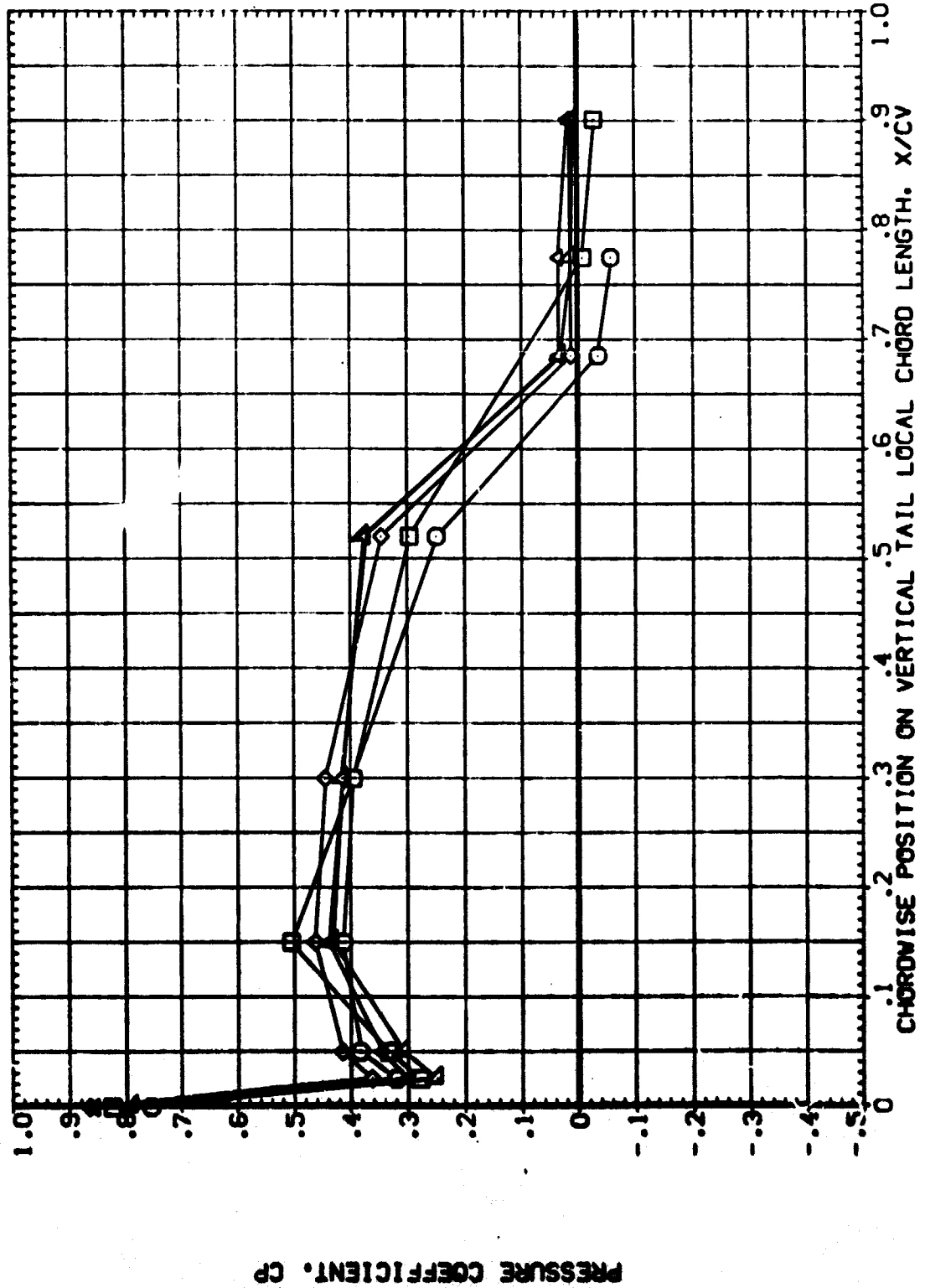


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0. SPOBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

SYMBOL	Z/CV	BETA	ALPHA	MACH	PARAMETRIC VALUES
◇	.153	.000	-4.000	ELV-18	2.500 RN/FT
○	.316	.000	-4.000	RUDER	.000 ELV-08
□	.000	.000	-4.000		.000 SPOBRK
△	.000	.000	-4.000		.000 SPOBRK

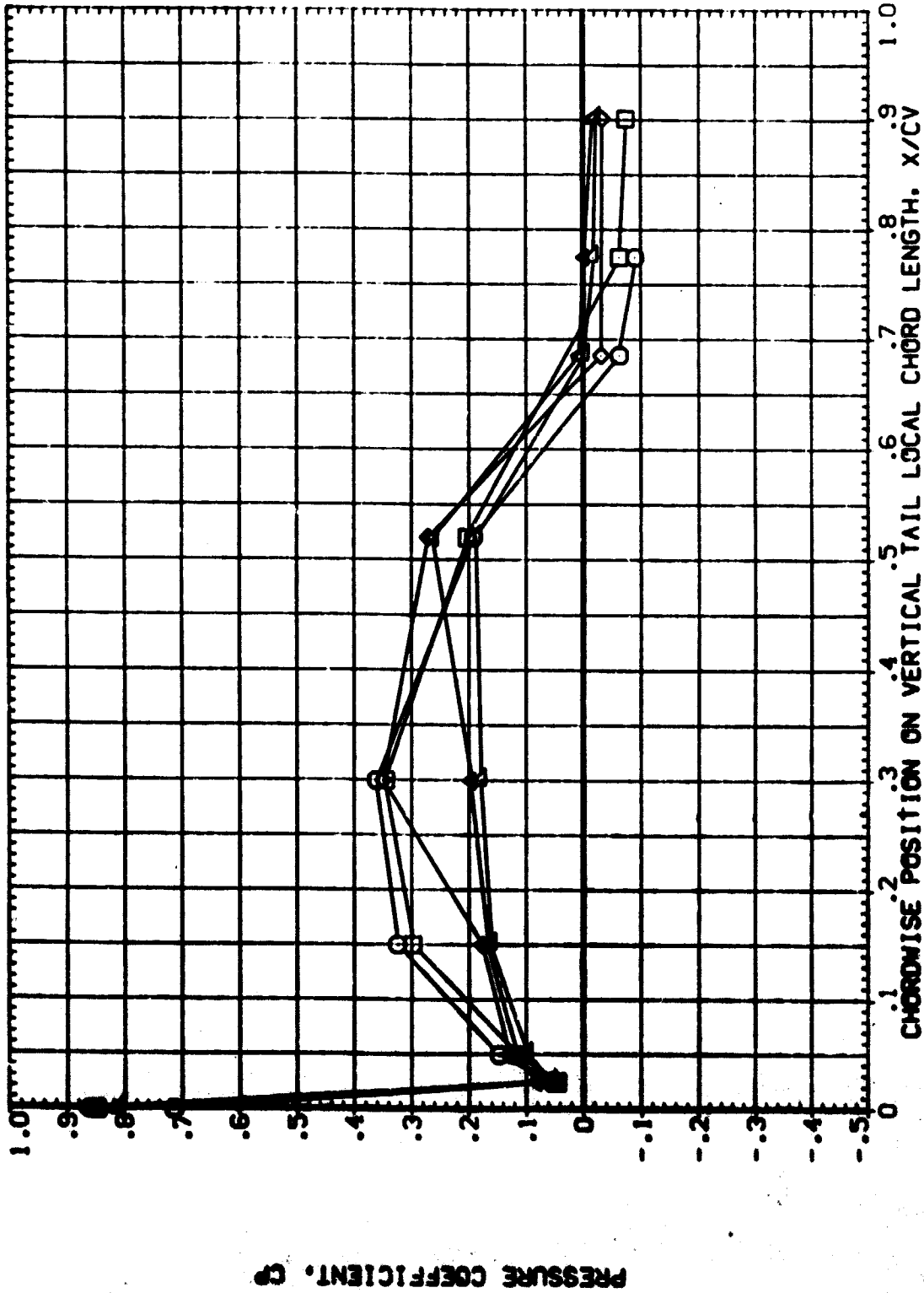


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 2.500 RM/FT 2.500
 .000 ELV-OB .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

BETA 4.000
 ALPHA -4.000

Z/W
 .153
 .316
 .000
 .040
 .025

SYMBOL
 □
 ◇
 ○
 △

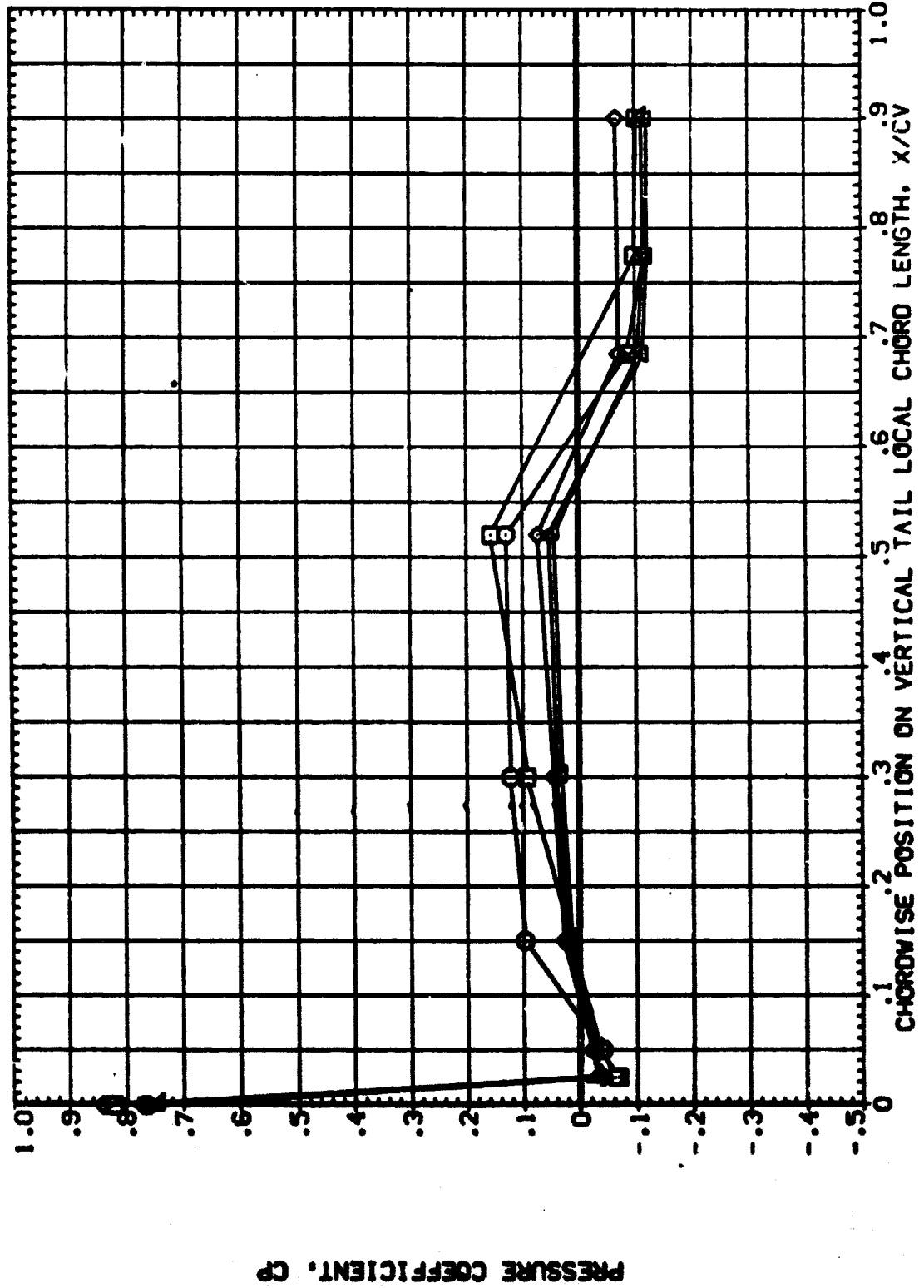


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 MACH 2.500 RM/FT 2.500
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK .000

SYMBOL Z/BV BETAS ALPHA
 ◻ .153 -6.000 .000
 ◻ .316 .000 .000
 ◻ .640 .000 .000
 ◻ .925 .000 .000

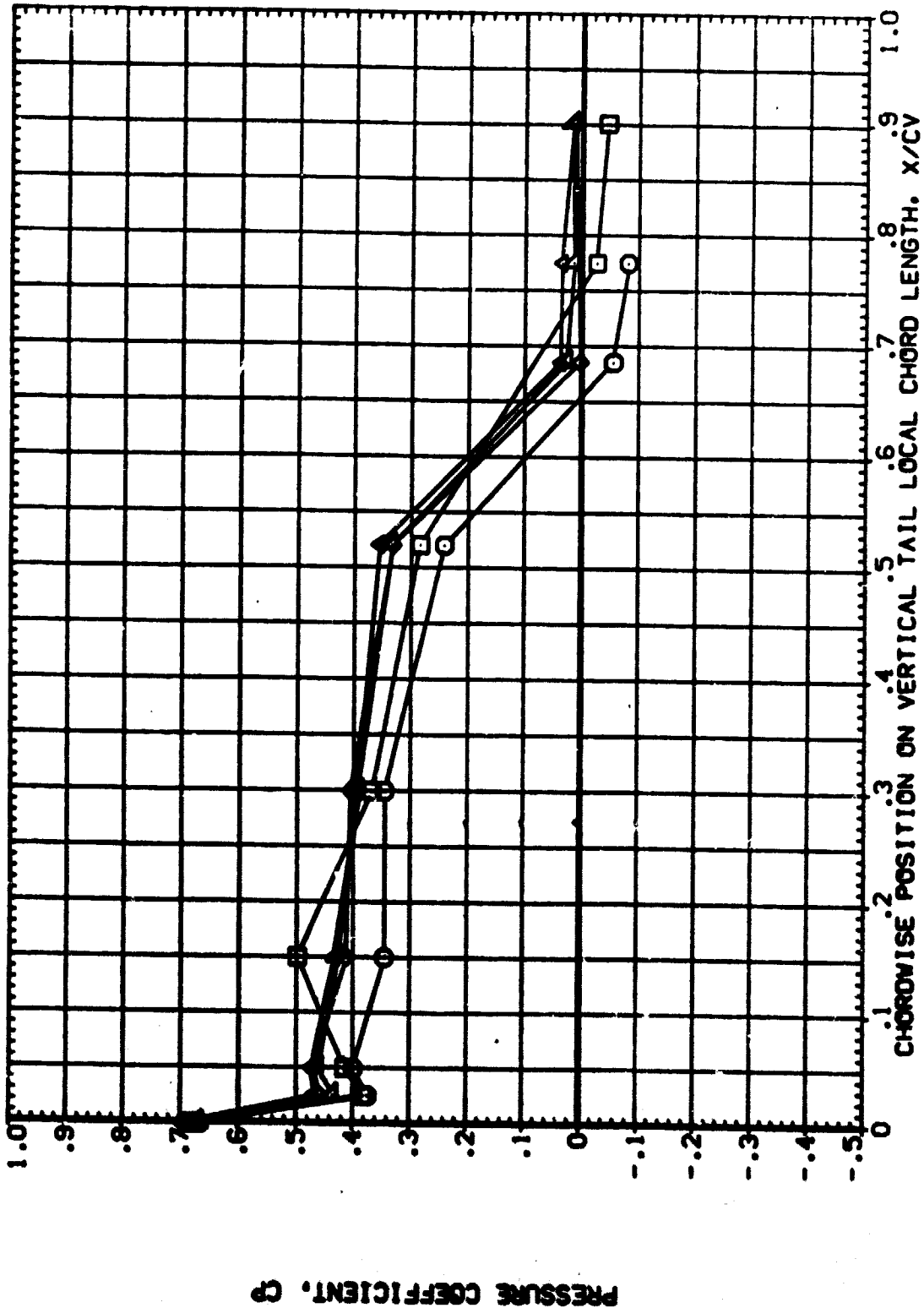


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 1A81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

SYMBOL	Z/ST	BETA	ALPHA	MACH	ELV-18	RUDER	PARAMETRIC VALUES	RN/FT	ELV-08	SPDRK
□	.193	-4.000	.000	2.500	.000	.000	2.500	.000	.000	.000
◇	.316	.000	.000	2.500	.000	.000	2.500	.000	.000	.000
△	.000	.000	.000	2.500	.000	.000	2.500	.000	.000	.000
○	.040	.000	.000	2.500	.000	.000	2.500	.000	.000	.000
▽	.025	.000	.000	2.500	.000	.000	2.500	.000	.000	.000

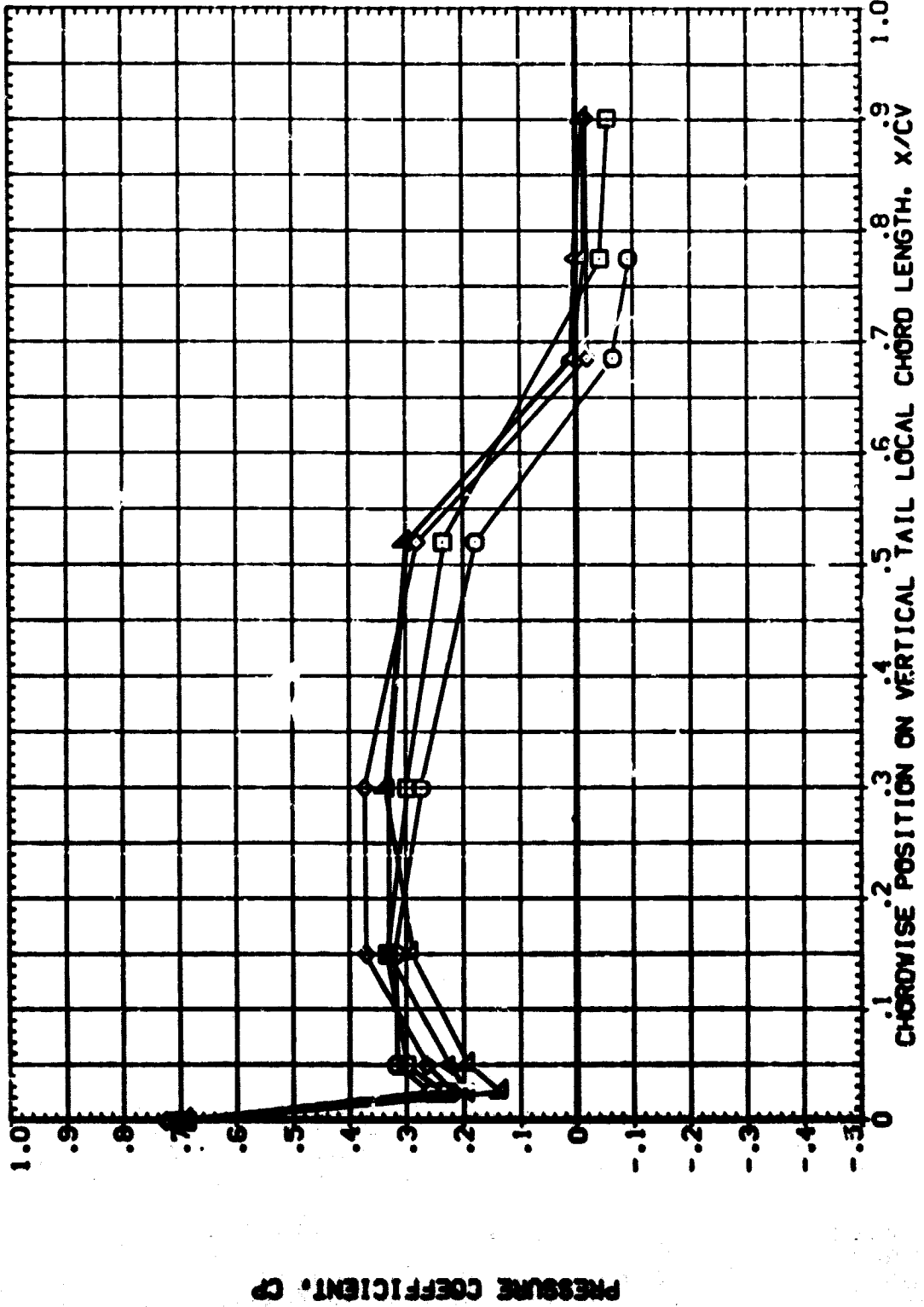


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0. SPDRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 MACH 2.500 RN/FT 2.500
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPDBRK .700

SYMBOL Z/W BETA0 ALPHA0
 ▽ .153 .000 .000
 ◊ .316 .000 .000
 □ .600 .000 .000
 ◊ .840 .000 .000
 ▽ .925 .000 .000

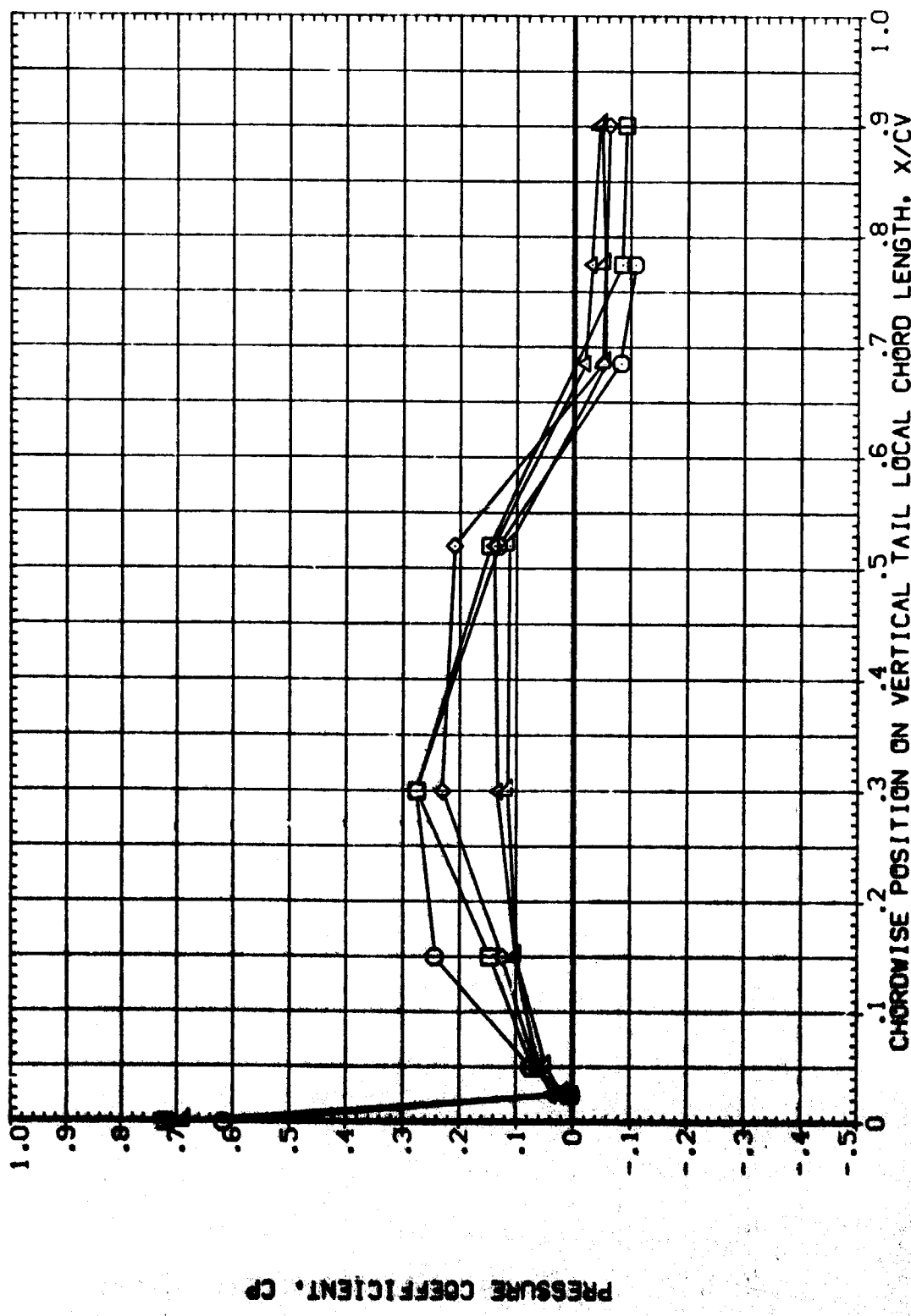


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAPCALLHL SEALED LEFT VERTICAL (IETV42)

SYMBOL	Z/BV	BETA	ALPHA	MACH	PARAMETRIC VALUES
▽	.153	4.000	.000	ELV-1B	2.500 RN/FT
◇	.316			RUDDER	.000 ELV-0B
□	.600				.000 SPDBRK
△	.840				
▽	.925				

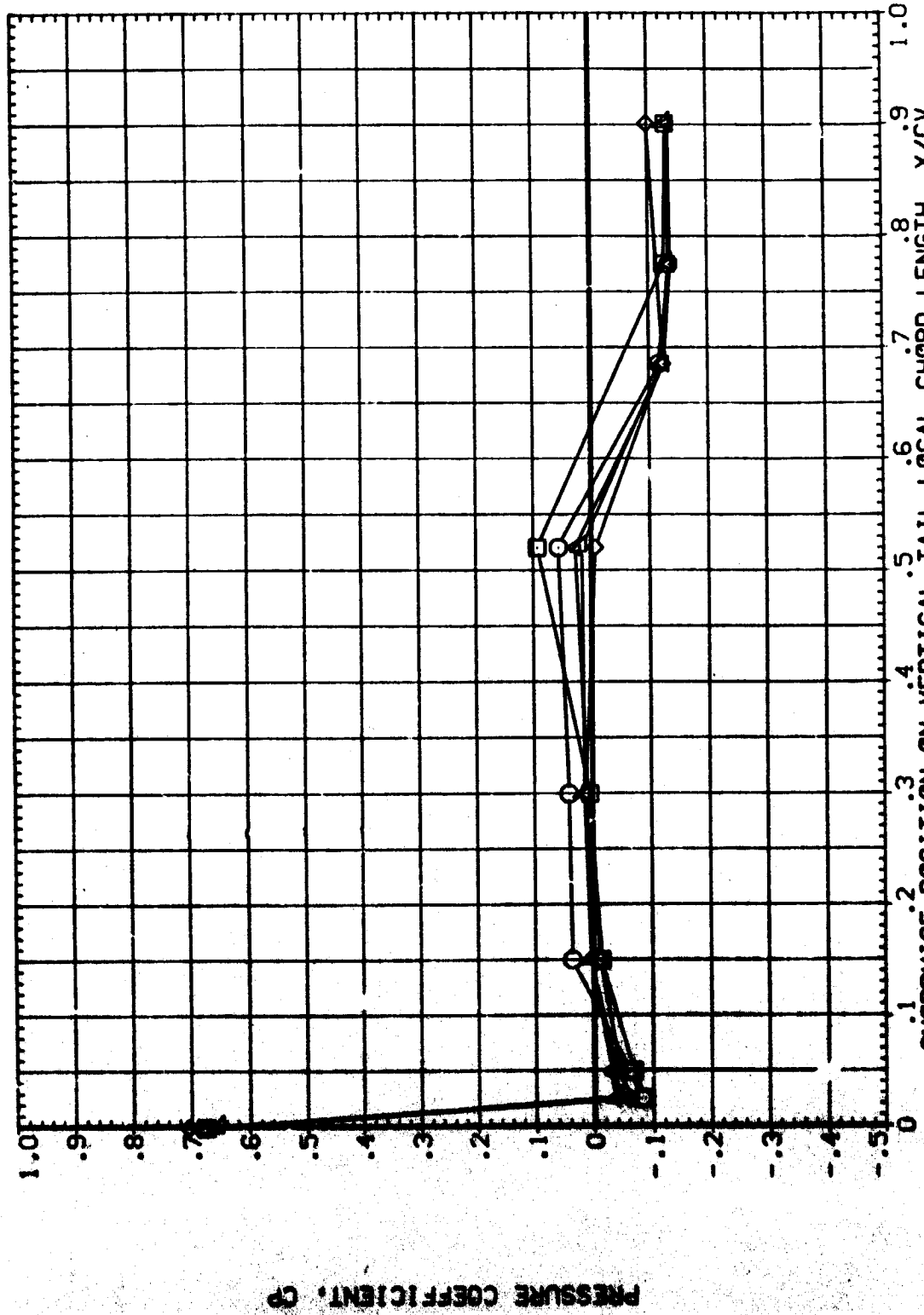


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

SYMBOL		Z/CH	BETA	ALPHA	PARAMETRIC VALUES		
□	○	.153	6.000	.000	MACH	2.500	2.500
◇	○	.316			ELV-18	.000	.000
◇	○	.600			RUDDER	.000	.000
◇	○	.940					
◇	○	.975					

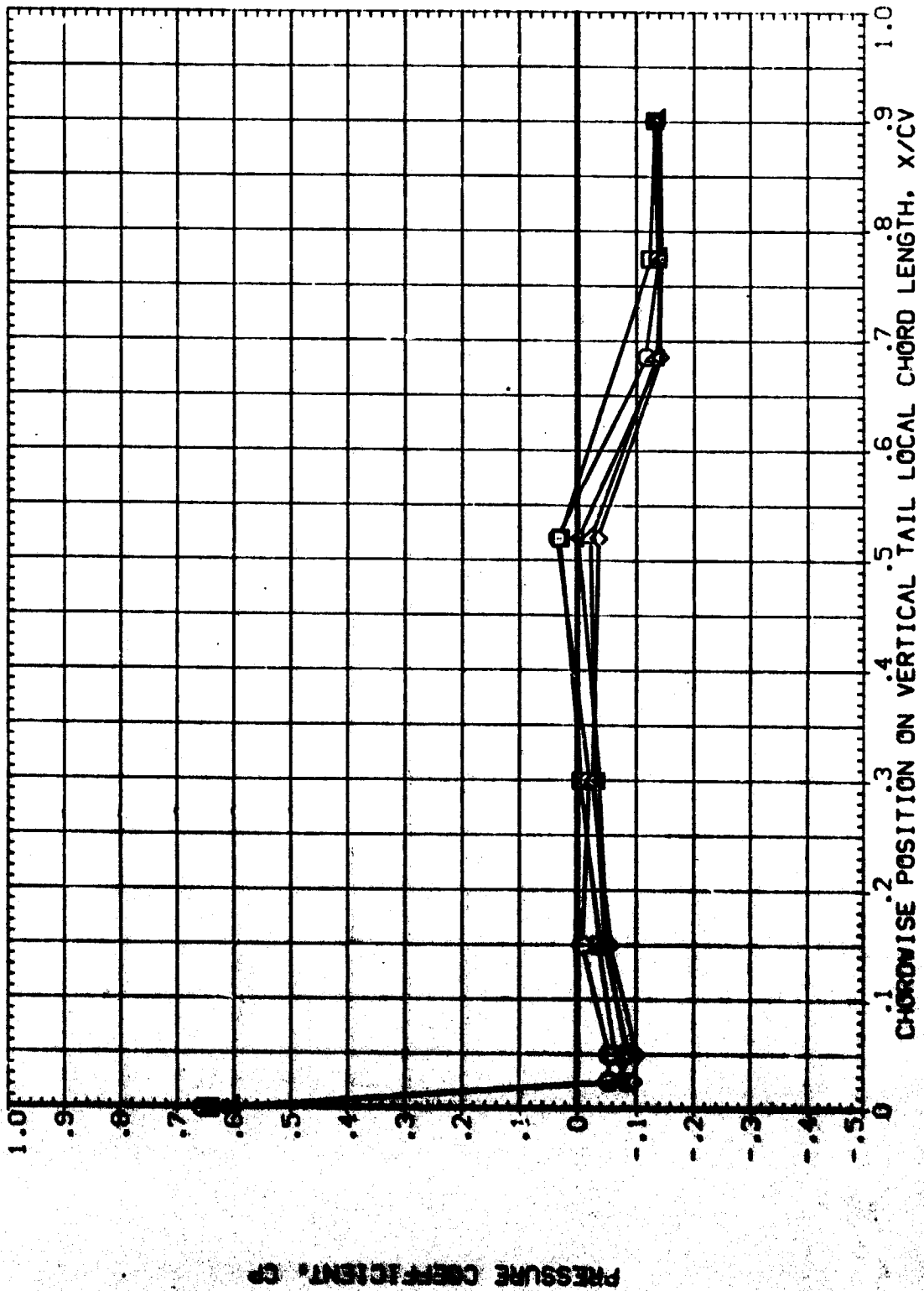


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 2.500 RV/FT 2.500
 .000 ELV-08 .000
 .000 SPOBRK .000

MACH
 ELV-18
 RUDDER

SYMBOL Z/RN BETAG ALPHA0
 ▲ .153 -1.000 4.000
 ◆ .316
 □ .000
 ○ .000
 △ .523

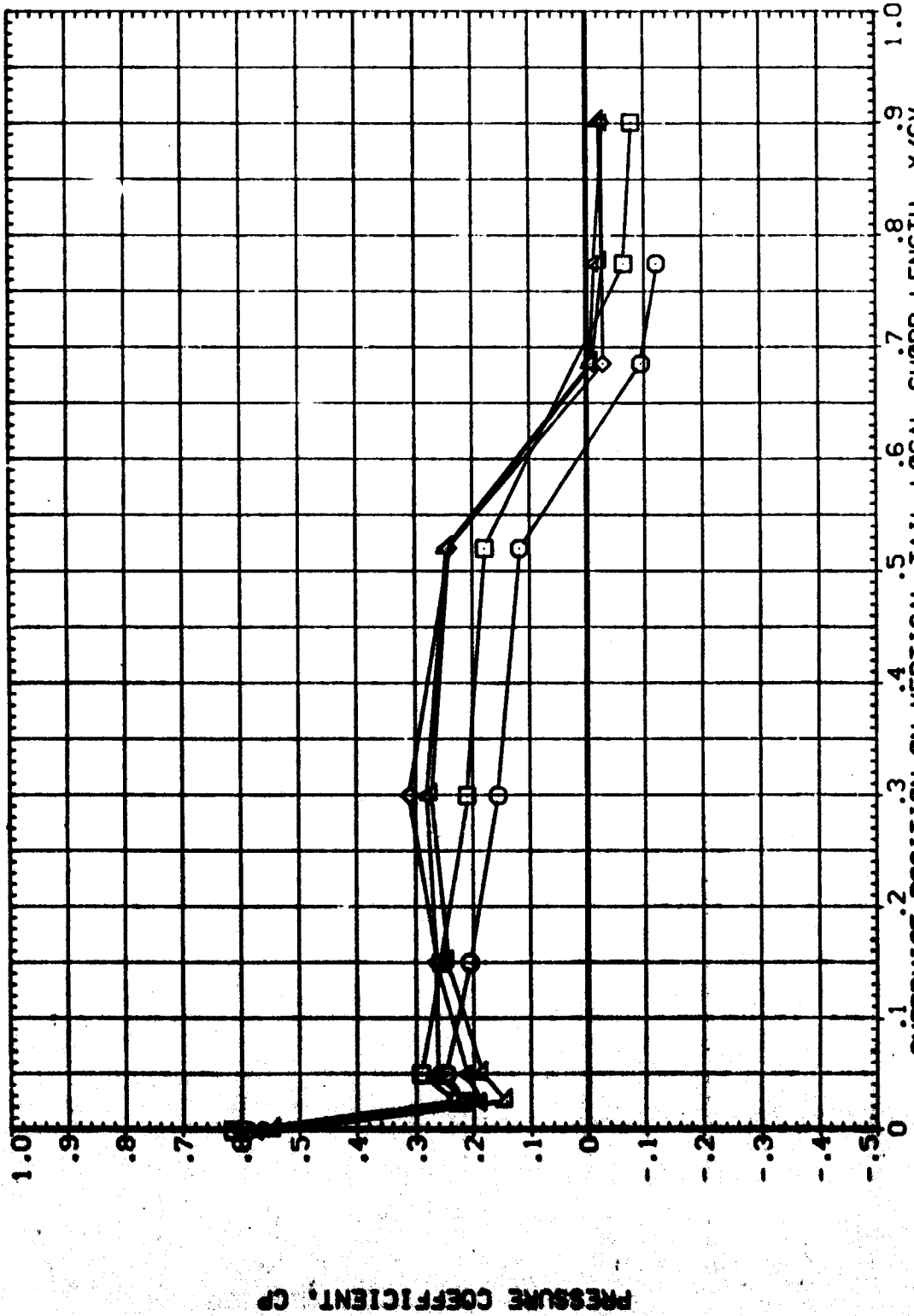


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0. SPOBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 2.500 RM/FT 2.500
 .000 ELV-OB .000
 .000 SPDBRK .000

MACH 2.500
 ELV-18 .000
 RUDDER .000

Z/δV .193
 .316
 .600
 .840
 .925

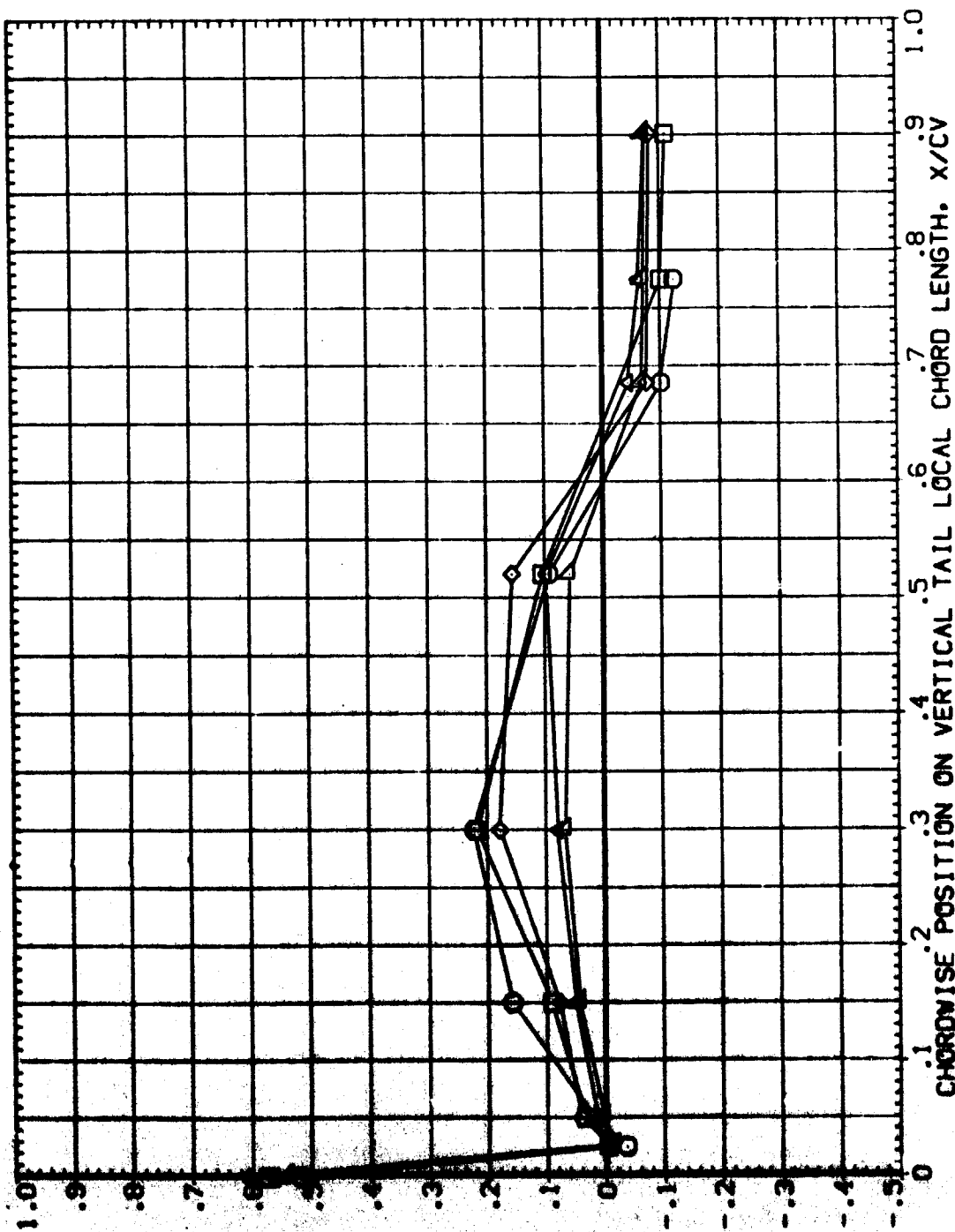


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

PARAMETRIC VALUES
 2.500 RN/FT 2.500
 .000 ELV-08 .000
 .000 SPDBRK .000

MACH
 ELV-18
 RUDDER

BETAG 4.000
 ALPHA0 4.000

Z/0V
 .150
 .316
 .630
 .940
 .975

□
 □
 □
 □
 □

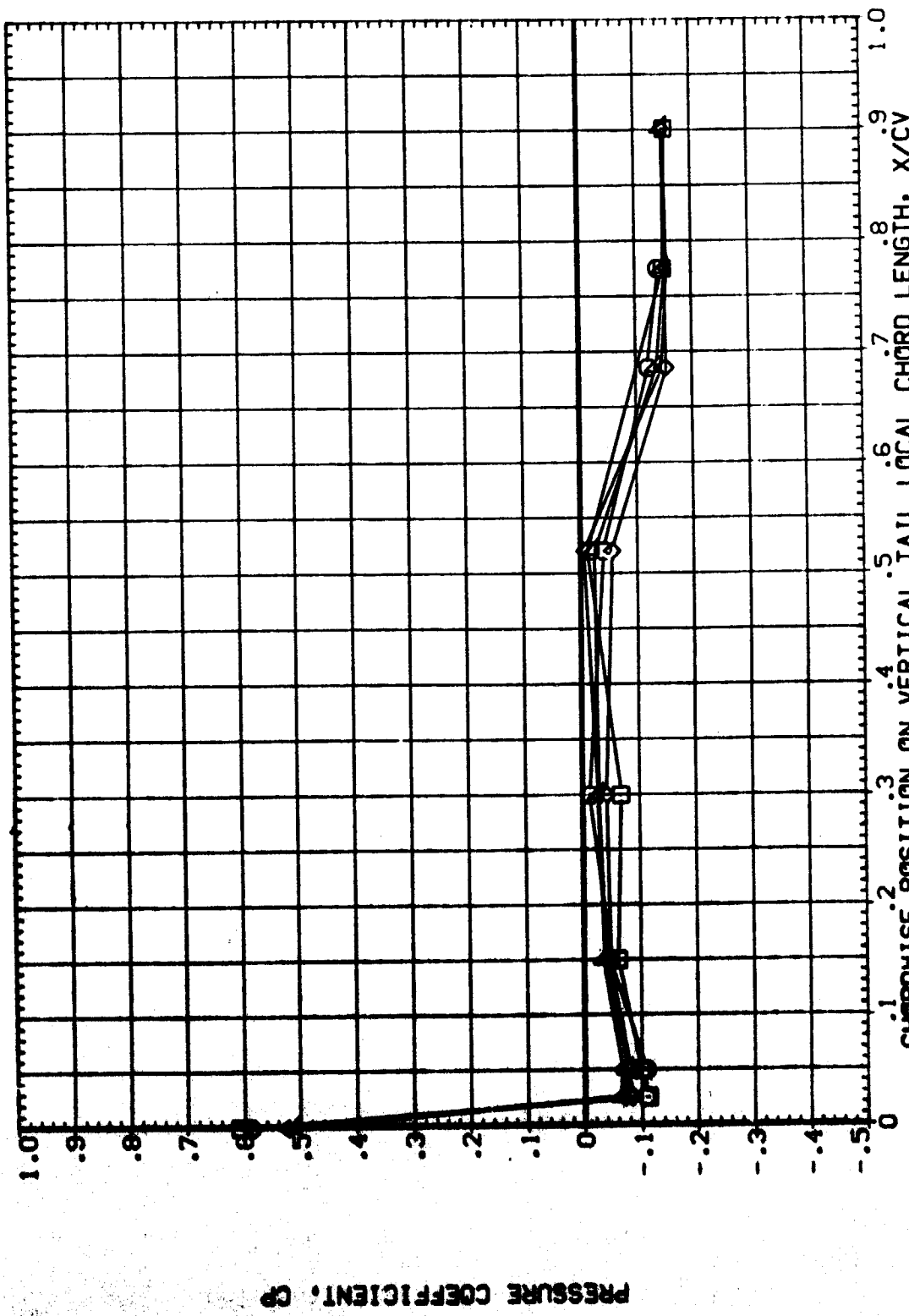


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=0, MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV42)

SYMBOL
 0 0 0 4 4

Z/W
 .150
 .316
 .630
 .840
 .985

BETA
 .000

ALPHA
 6.000

MACH
 ELV-18
 RUDDER

PARAMETRIC VALUES
 2.500
 .000
 .000
 RN/FT
 ELV-08
 SPOBRK
 2.500
 .000
 .000

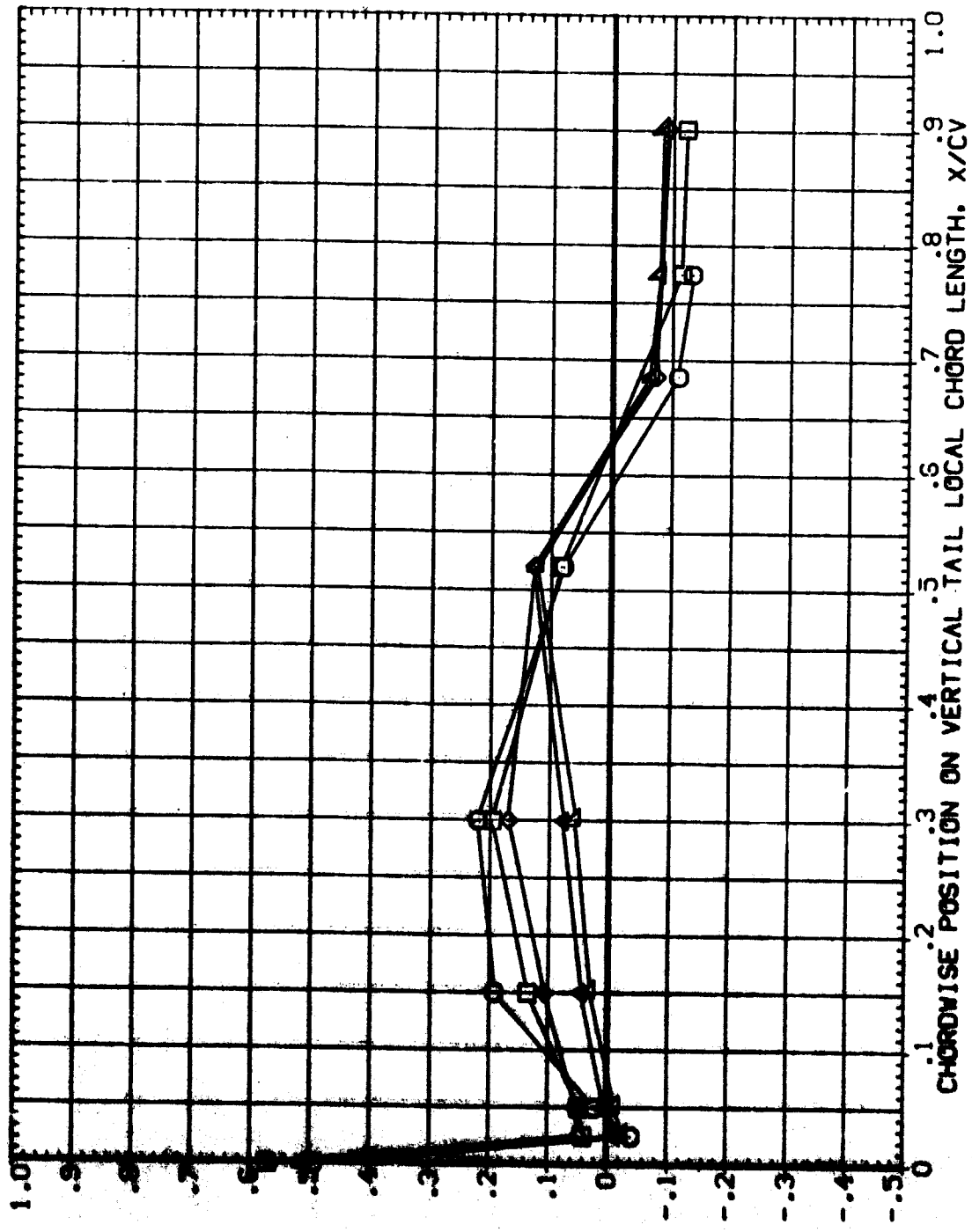


FIG. 60 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=0, MACH=2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV33)

PARAMETRIC VALUES
 1.550 RM/FT 3.000
 .000 ELV-DB .000
 .000 SPD BRK 55.000

MACH
 ELV-18
 RUDDER

ALPHA BETA
 -6.000 .000

Z/RY
 .183
 .316
 .600
 .800
 .925

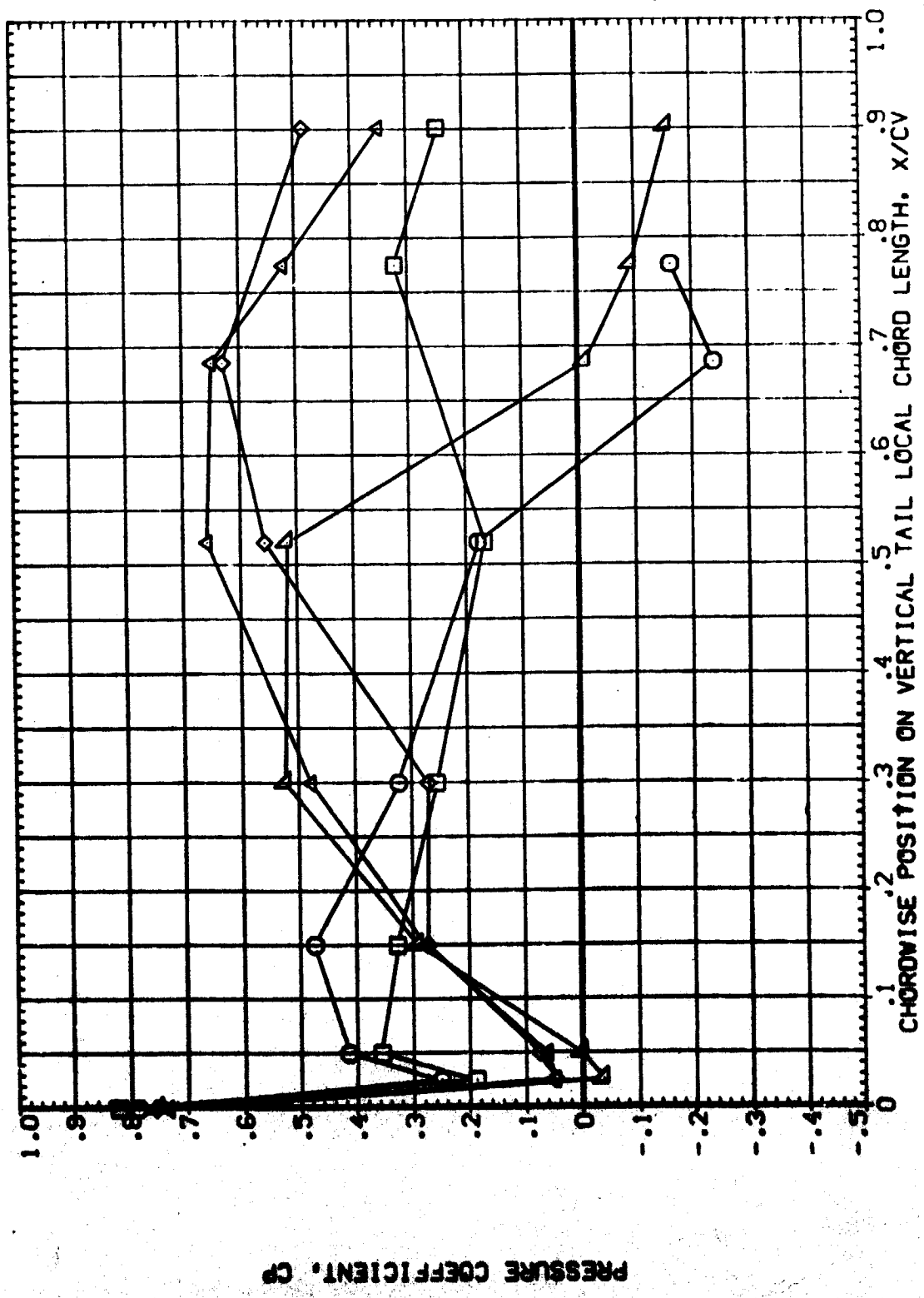


FIG. 61 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPD BRK=55, MACH=1.55
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ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV33)

SWEEP: $\diamond \square \circ \triangle$
 Z/0V .120
 ALPHA0 -4.000
 BETA0 .000
 .316
 .000
 .040
 .028

PARAMETRIC VALUES
 MACH 1.550
 ELV-18 .000
 RUDDER .000
 RN/FT 3.000
 ELV-08 .000
 SPDBRK 55.000

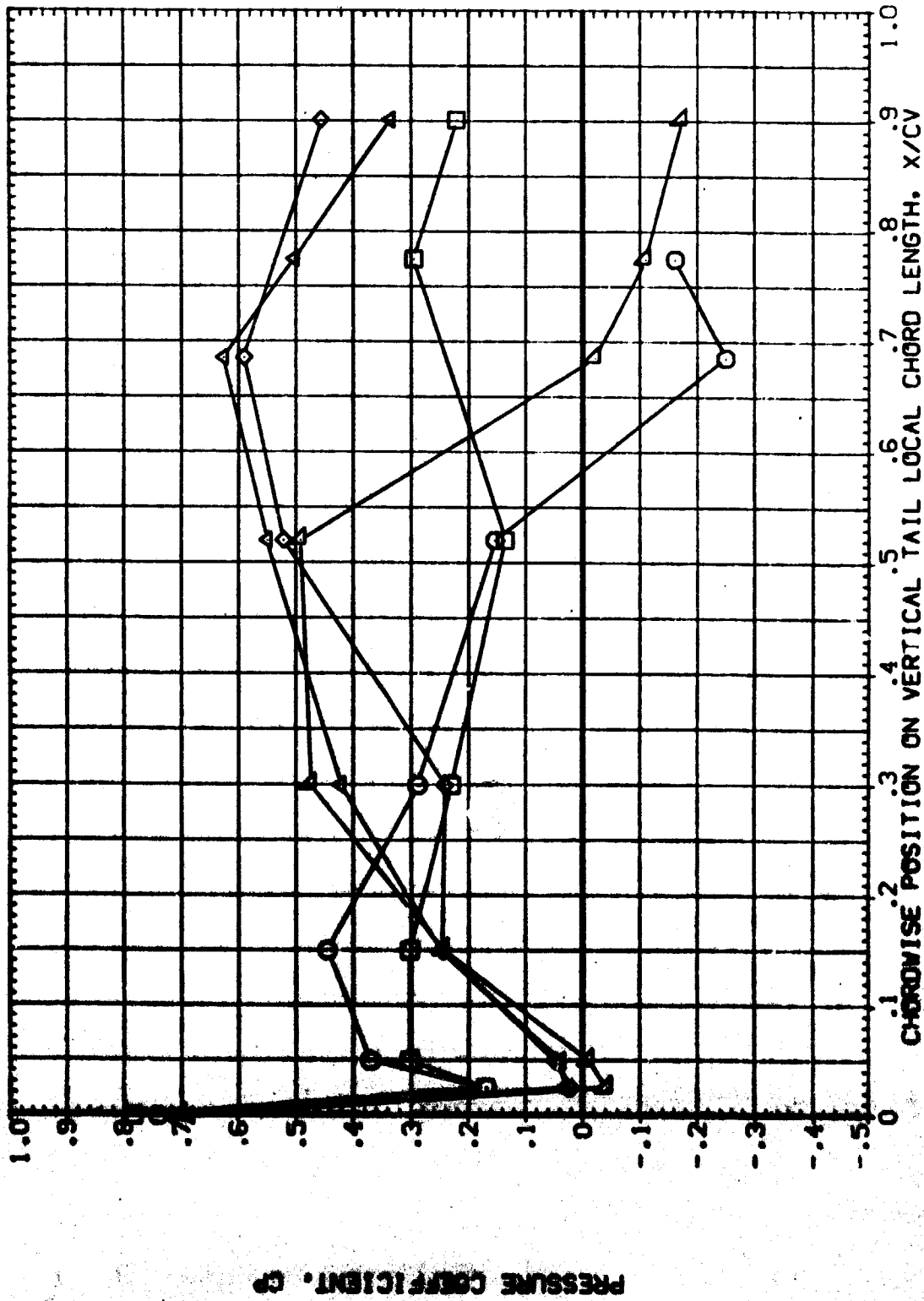


FIG. 61 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=55, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV33)

SWRCL	Z/IV	ALPHA	BETA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
▽	.150	.000	.000	1.550	.000	.000	RN/FT 3.000
◇	.316	.000	.000	.000	.000	.000	ELV-08 .000
△	.640	.000	.000	.000	.000	.000	SPOBRK 55.000
○	.925						

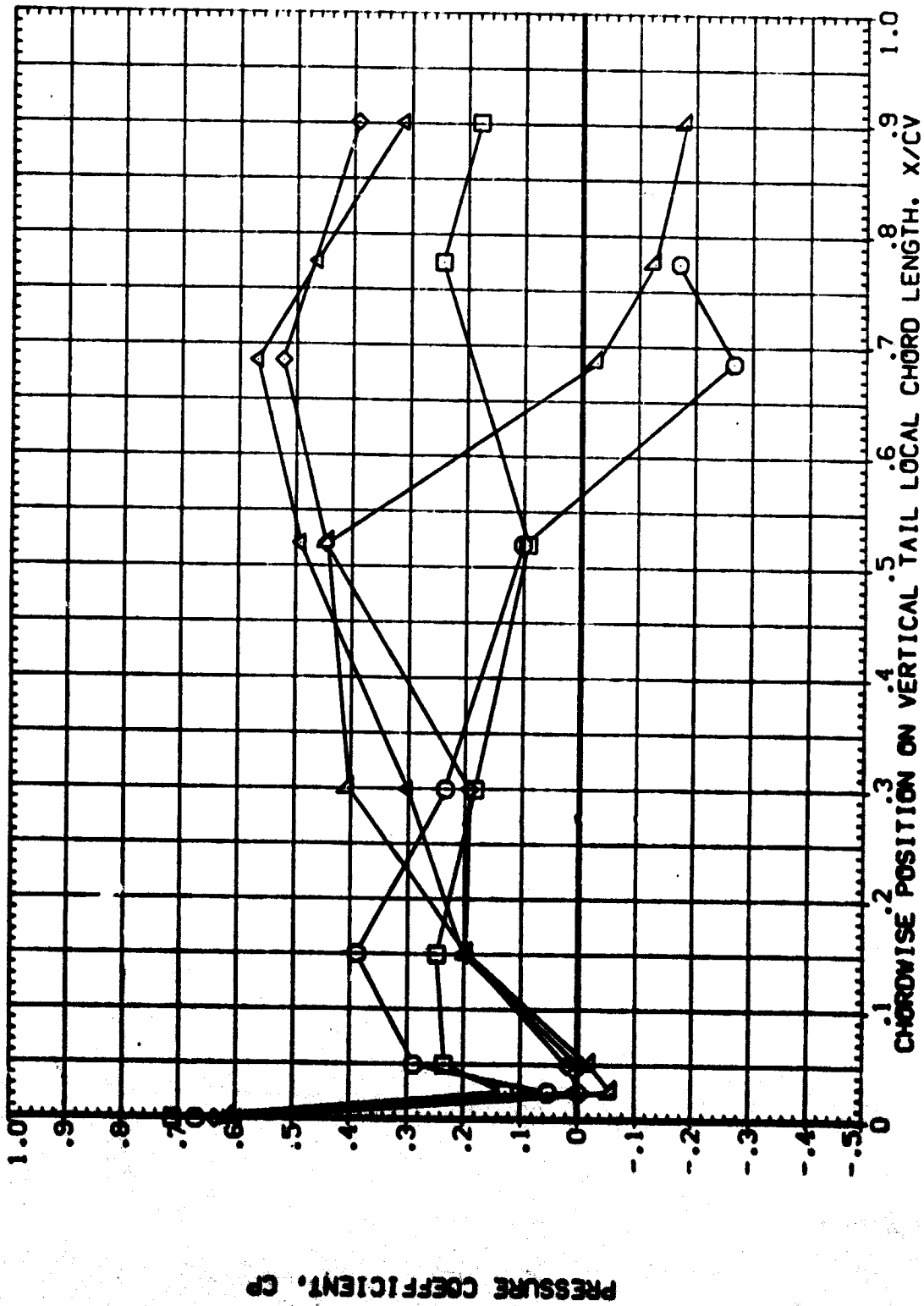


FIG. 61 VERT. TAIL CHORDWISE PRESS. DIST. ELEVEN I/O=0/0, SPOBRK=55, MACH=1.55

ARC97-019 IA81 LVAP(AL_HL SEALED) LEFT VERTICAL (IETV33)

PARAMETRIC VALUES	
MACH	1.550
ELV-18	.000
RUDER	.000
SPDBRK	55.000
ALPHA	4.000
BETA	.000
ZON	.183
	.316
	.000
	.000
	.025
	3.000
	.000
	55.000

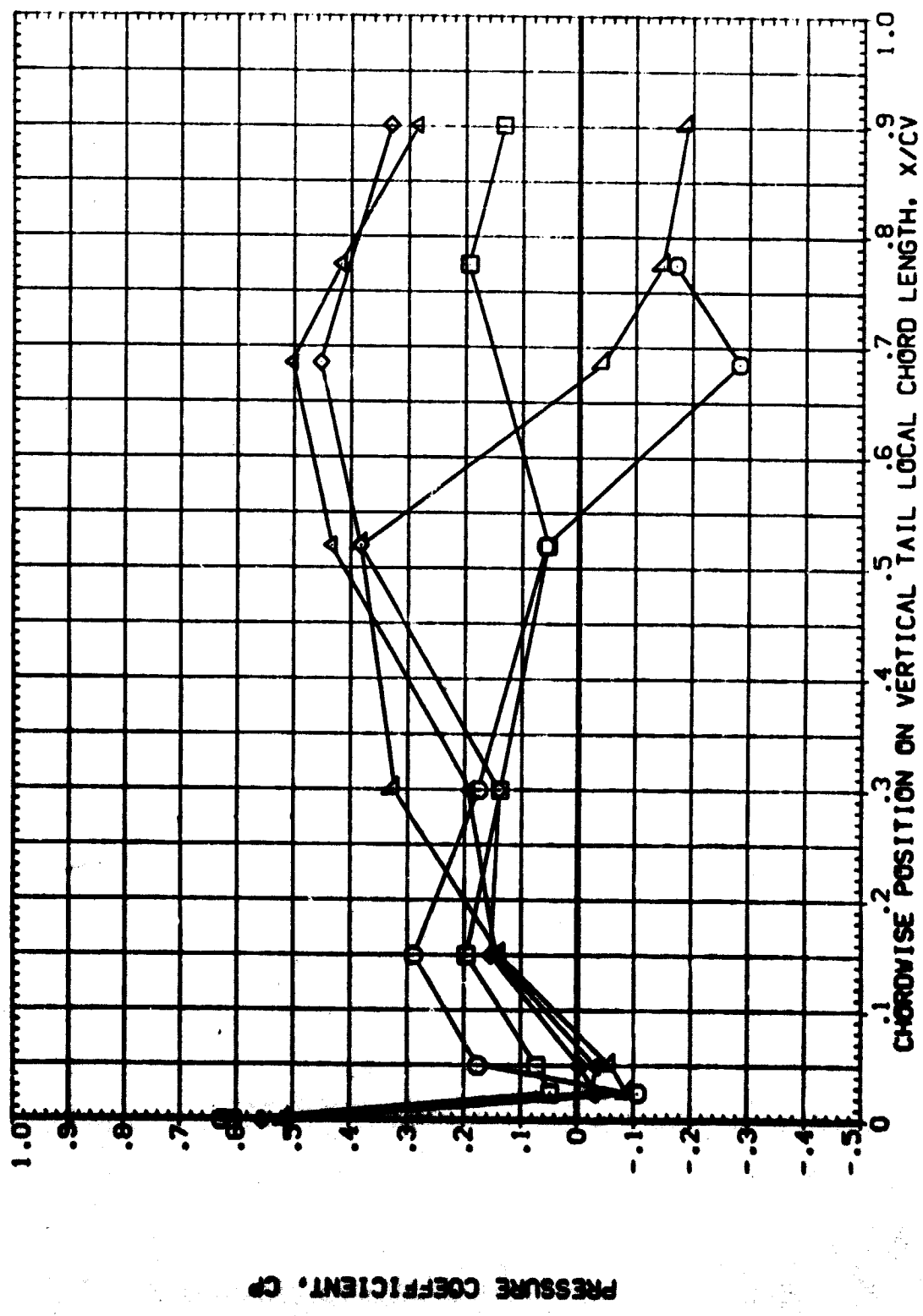


FIG. 61 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=55, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV33)

SWEEP Z/0V ALPHA BETA
 .153 .000
 .316 .000
 .600 .000
 .840 .000
 .925 .000

PARAMETRIC VALUES
 MACH 1.550 RM/FT 3.000
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPOBRK 55.000

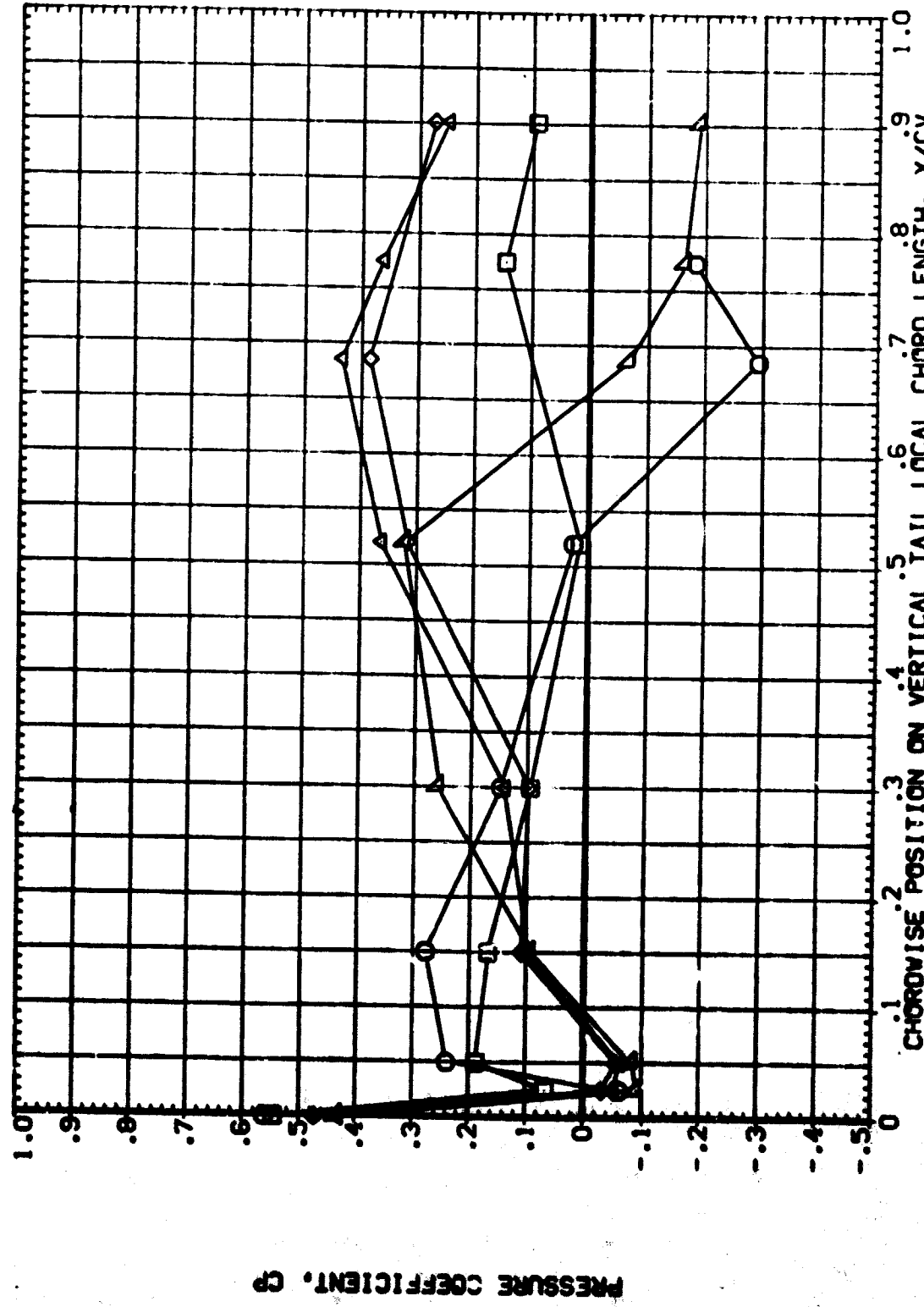


FIG. 61 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0. SPOBRK=55, MACH=1.55

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

SYMBOL Z/AV ALPHA BETA
 ◻ .153 -6.000 .000
 ◻ .316 .000 .000
 ◻ .500 .000 .000
 ◻ .725 .000 .000

MACH 2.000 3.000
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPOBRK 55.000

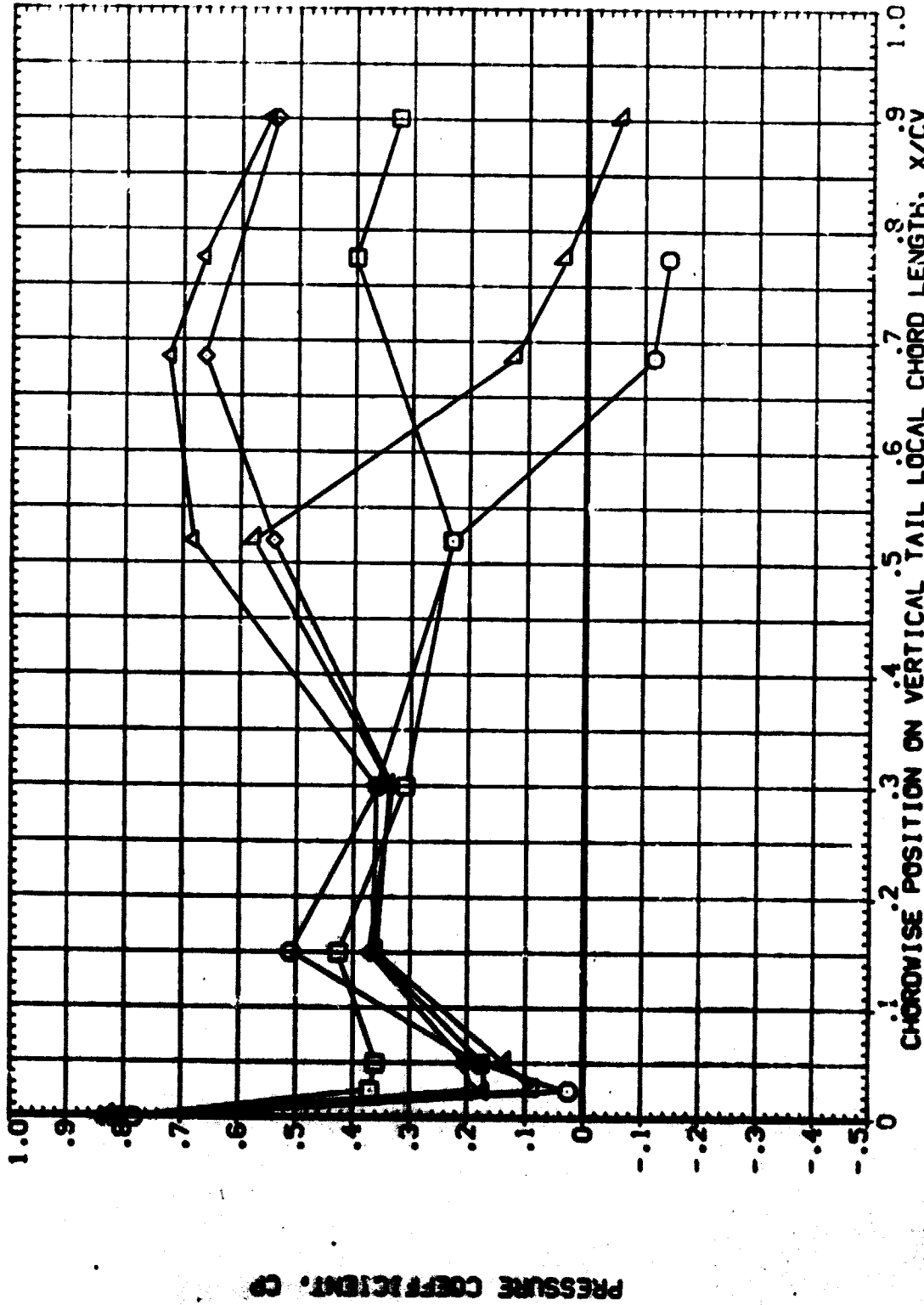


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPOBRK=55, MACH=2.00

ARC97-019 1A81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

PARAMETRIC VALUES
 2.000 INU/FT 3.000
 .000 ELV-08 .000
 .000 SPOBRK 95.000

MACH
 ELV-18
 RUDDER

ALPHA0 BETA0
 -4.000 .000

Z/RY
 .193
 .316
 .600
 .840
 .925

SYMBOL
 ○
 □
 △
 ◇

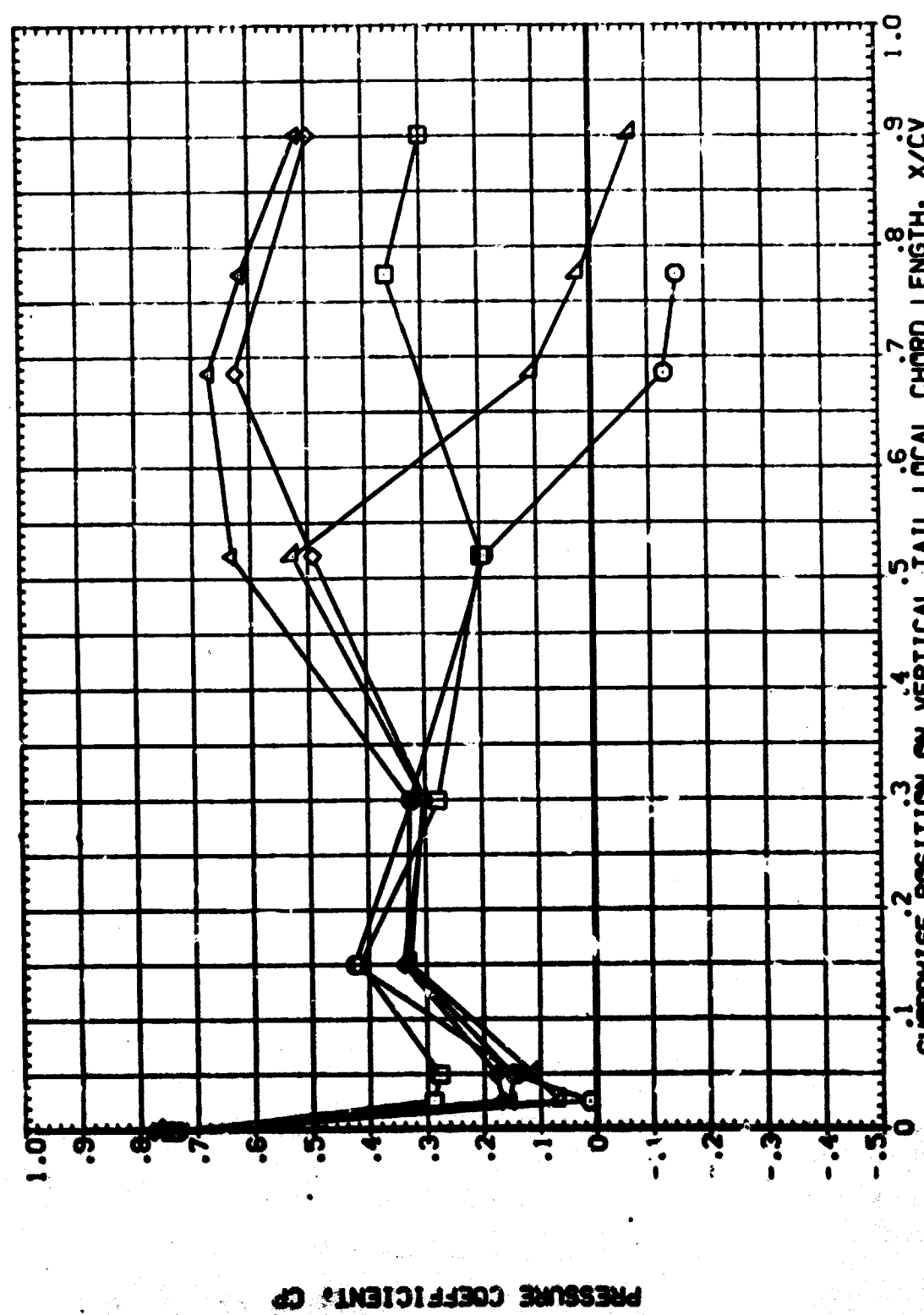


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/C, SPOBRK=55, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

SYMBOL	Z/BV	ALPHA	BETA	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
▽	.153	.000	.000	2.000	.000	.000	RN/FT 3.000
◇	.316	.000	.000	.000	.000	.000	ELV-08 .000
□	.600	.000	.000	.000	.000	.000	SPOBRK 55.000
○	.840	.000	.000	.000	.000	.000	
●	.925	.000	.000	.000	.000	.000	

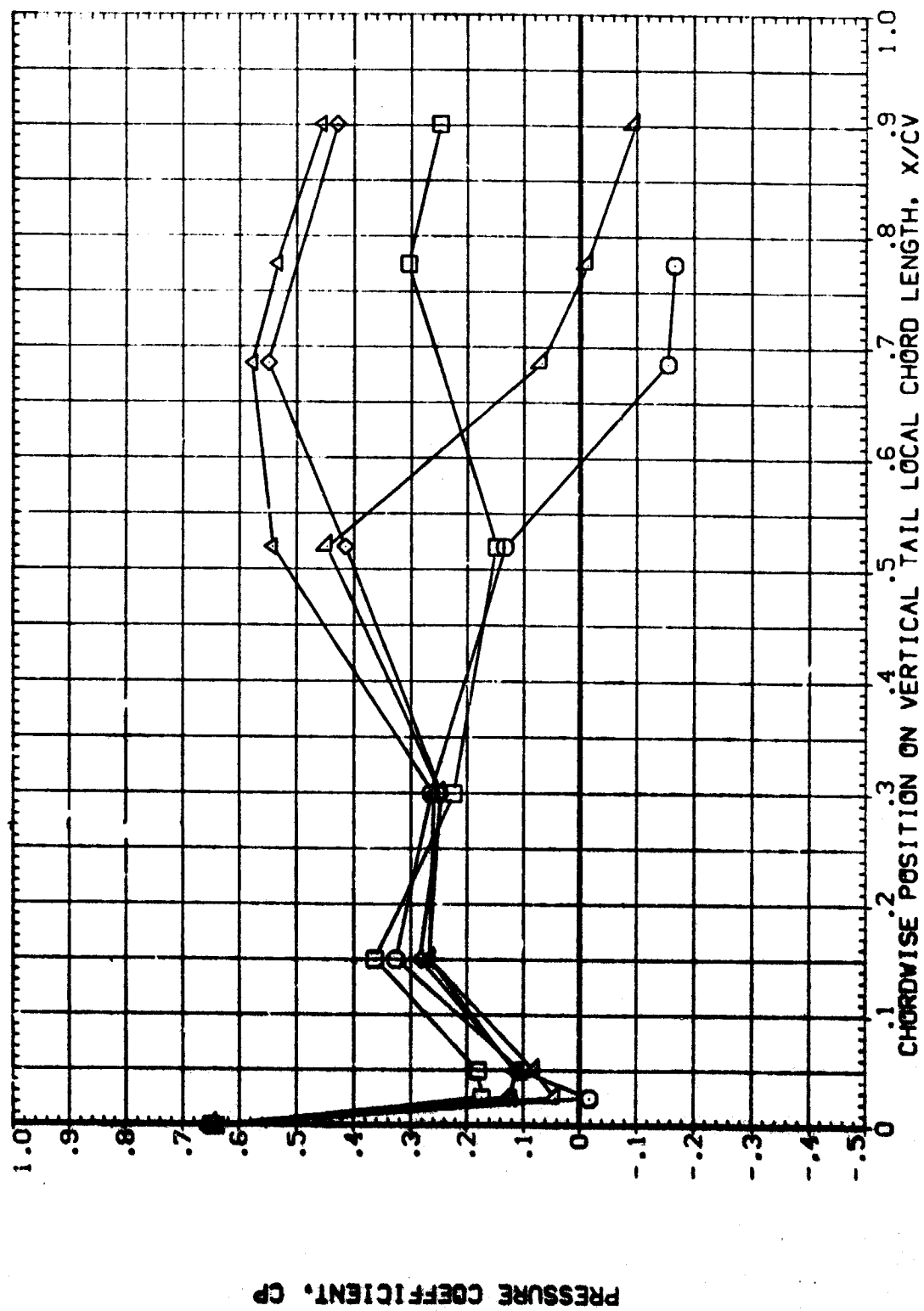


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=55, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

SYMBOL	Z/BV	ALPHA0	BETA0	PARAMETRIC VALUES			
				MACH	RN/FT	ELV-08	SPDBRK
○	.153	4.000	.000	2.000	3.000	.000	.000
□	.316			.000		.000	.000
◇	.600			.000		.000	.000
△	.840			.000		.000	.000
	.925						55.000

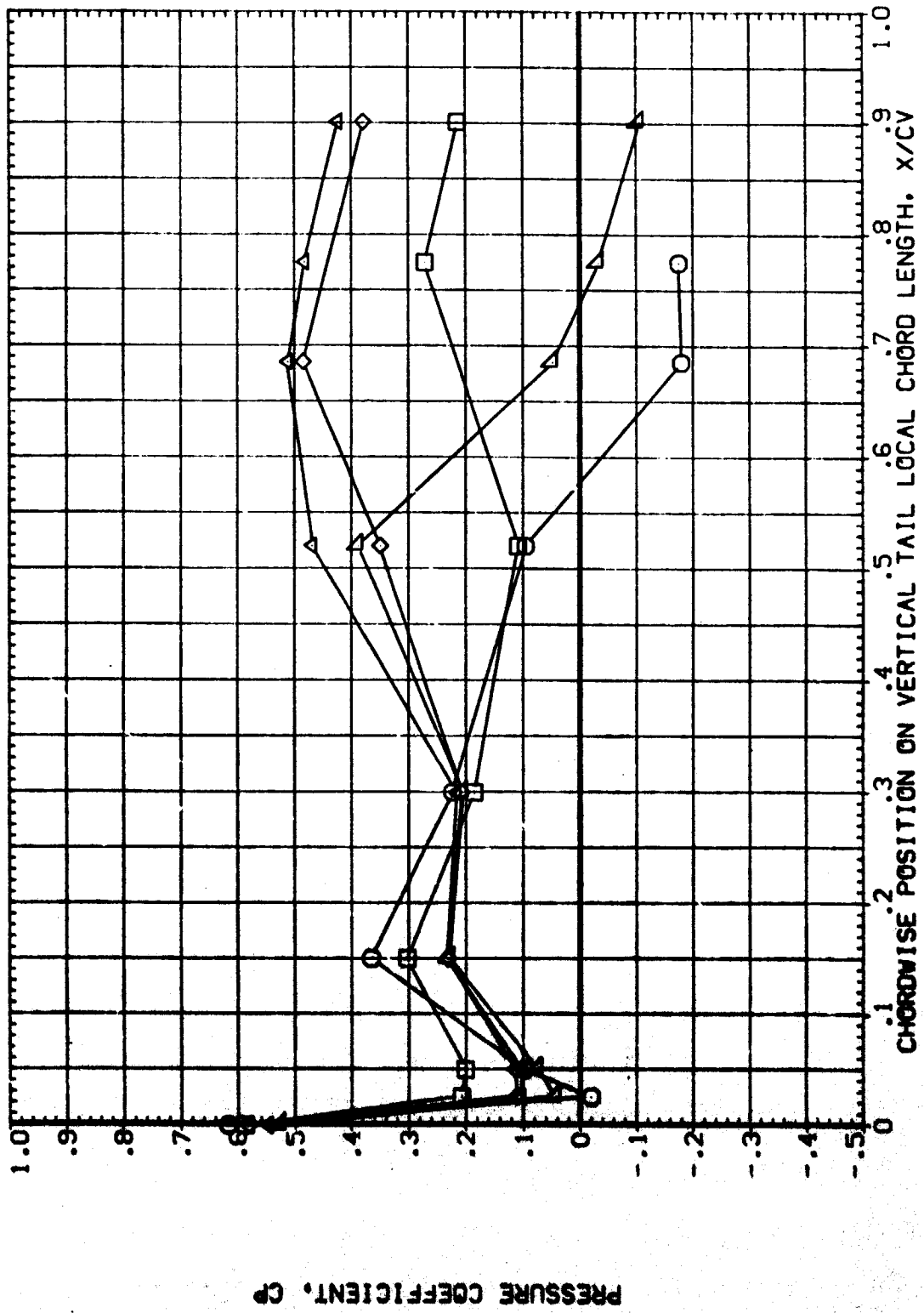


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=55, MACH=2.00

ARC97-019 I181 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

PARAMETRIC VALUES
 MACH 2.000 RN/FT 3.000
 ELV-1B .000 ELV-0B .000
 RUDDER .000 SPDBRK 55.000

Z/0V ALPHAO BETA0
 .133 8.000 .000
 .316
 .600
 .940
 .925

SYMBOL
 ▽
 ◊
 □
 ○

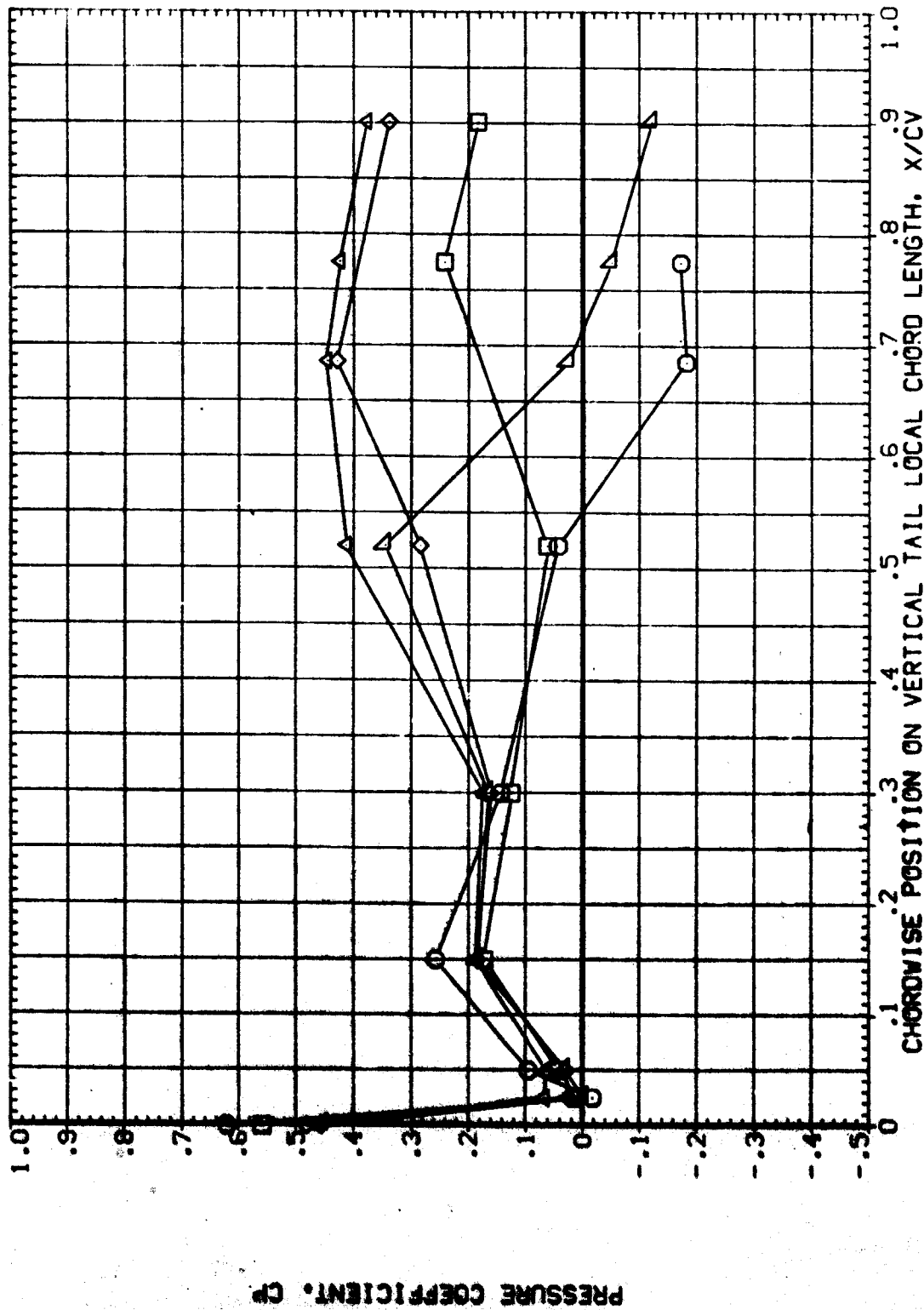


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=55, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV32)

SYMBOL	Z/BN	ALPHA0	BETA0	MACH	ELV-18	RUDDER	PARAMETRIC VALUES
△	.153	10.000	.000	2.000	RN/FT		3.000
◇	.316			.000	ELV-08		.000
□	.600			.000	SPOBRK		55.000
○	.840						
△	.925						

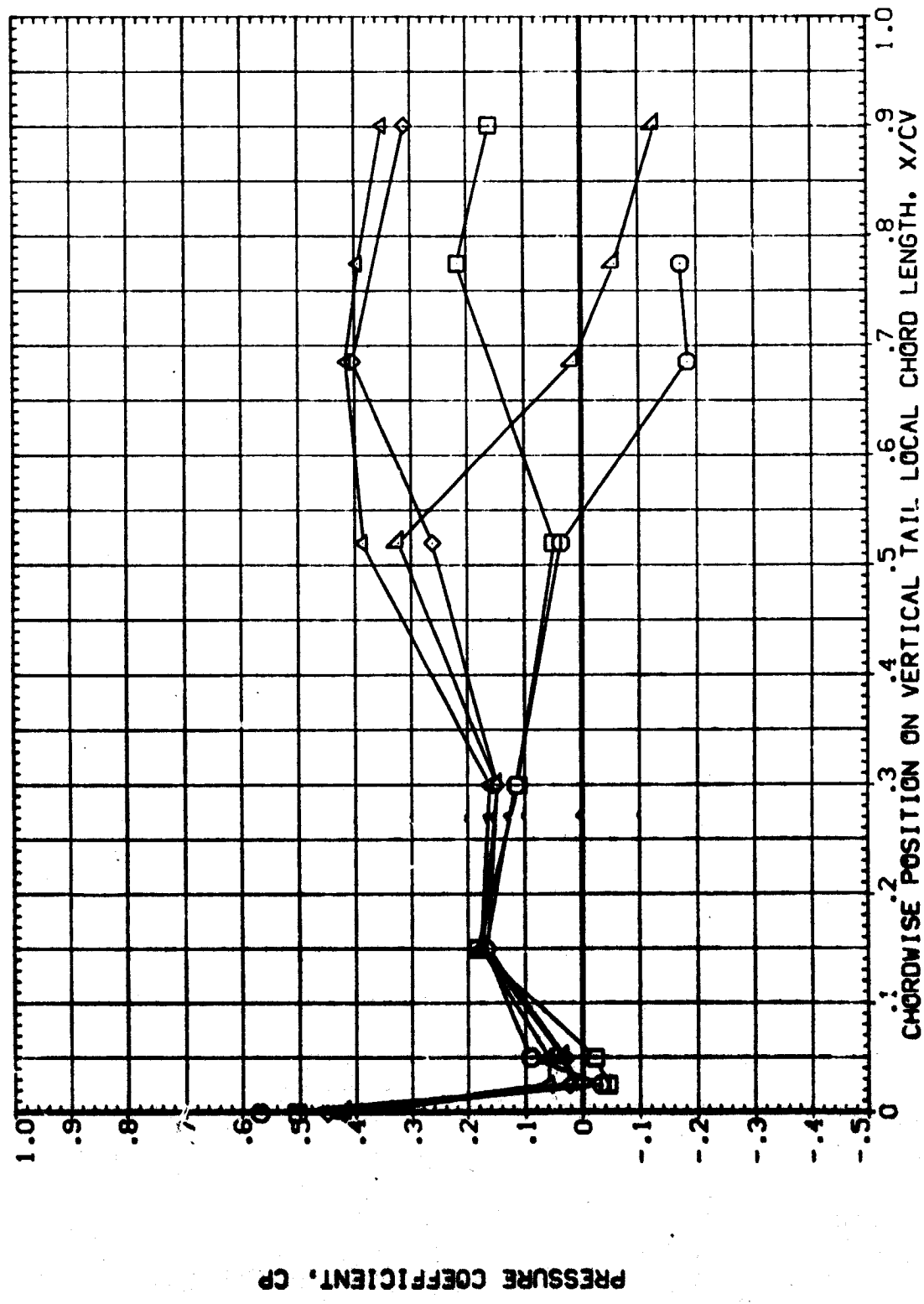


FIG. 62 VERT. TAIL CHORDWISE PRESS. DIST. ELEVEN I/O=0/0, SPOBRK=55, MACH=2.00

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV31)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 3.000
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK 55.000

Z/BV ALPHA0 BETA0
 .133 -6.000 .000
 .316
 .600
 .840
 .925

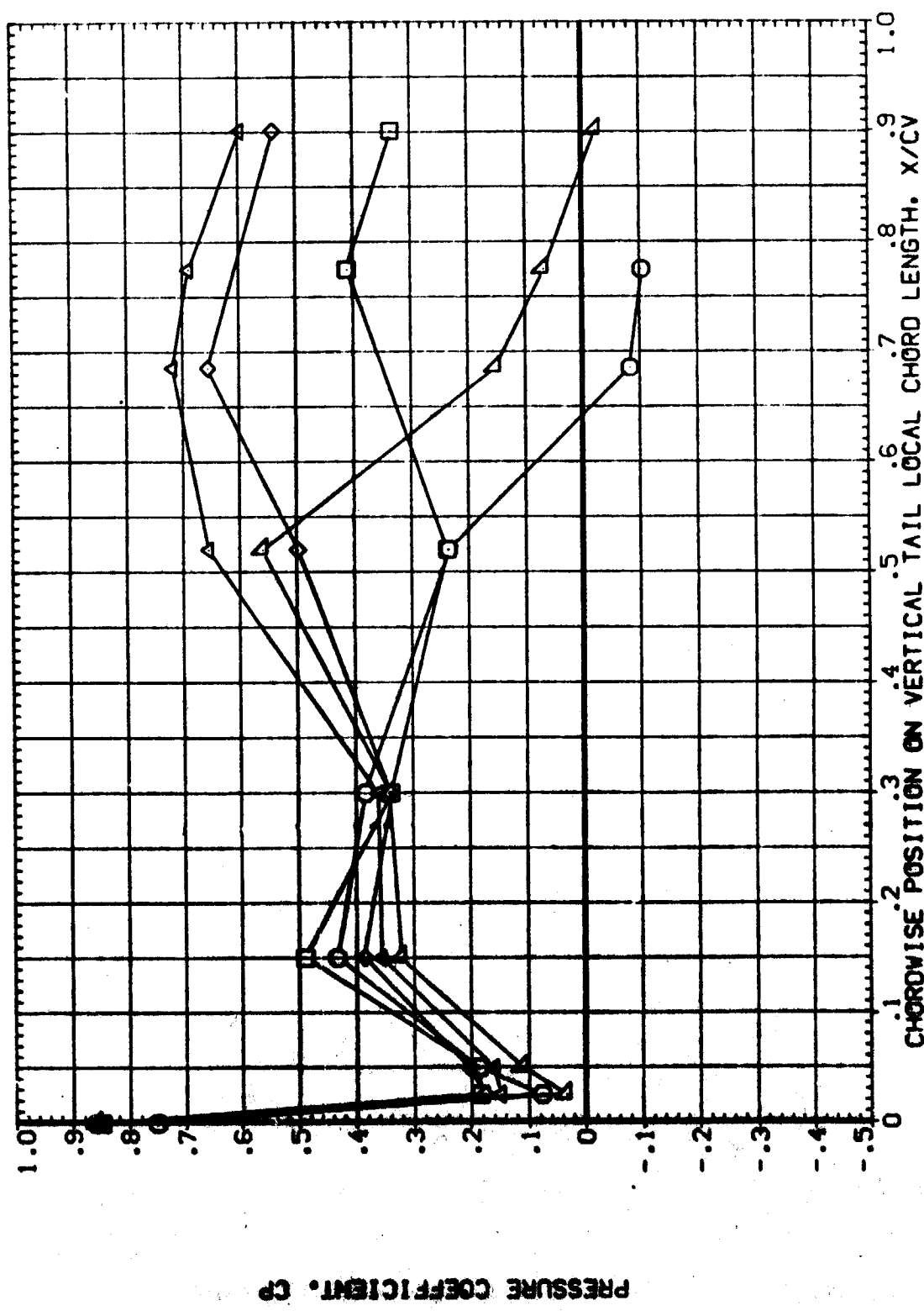


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=55, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV31)

SYMBOL	Z/BV	ALPHA0	BETA0	MACH	PARAMETRIC VALUES
△	.153	-4.000	.000	ELV-18	2.200
◇	.316			RUDOER	.000
□	.600			ELV-08	.000
○	.840			SPOBRK	55.000
▽	.925				

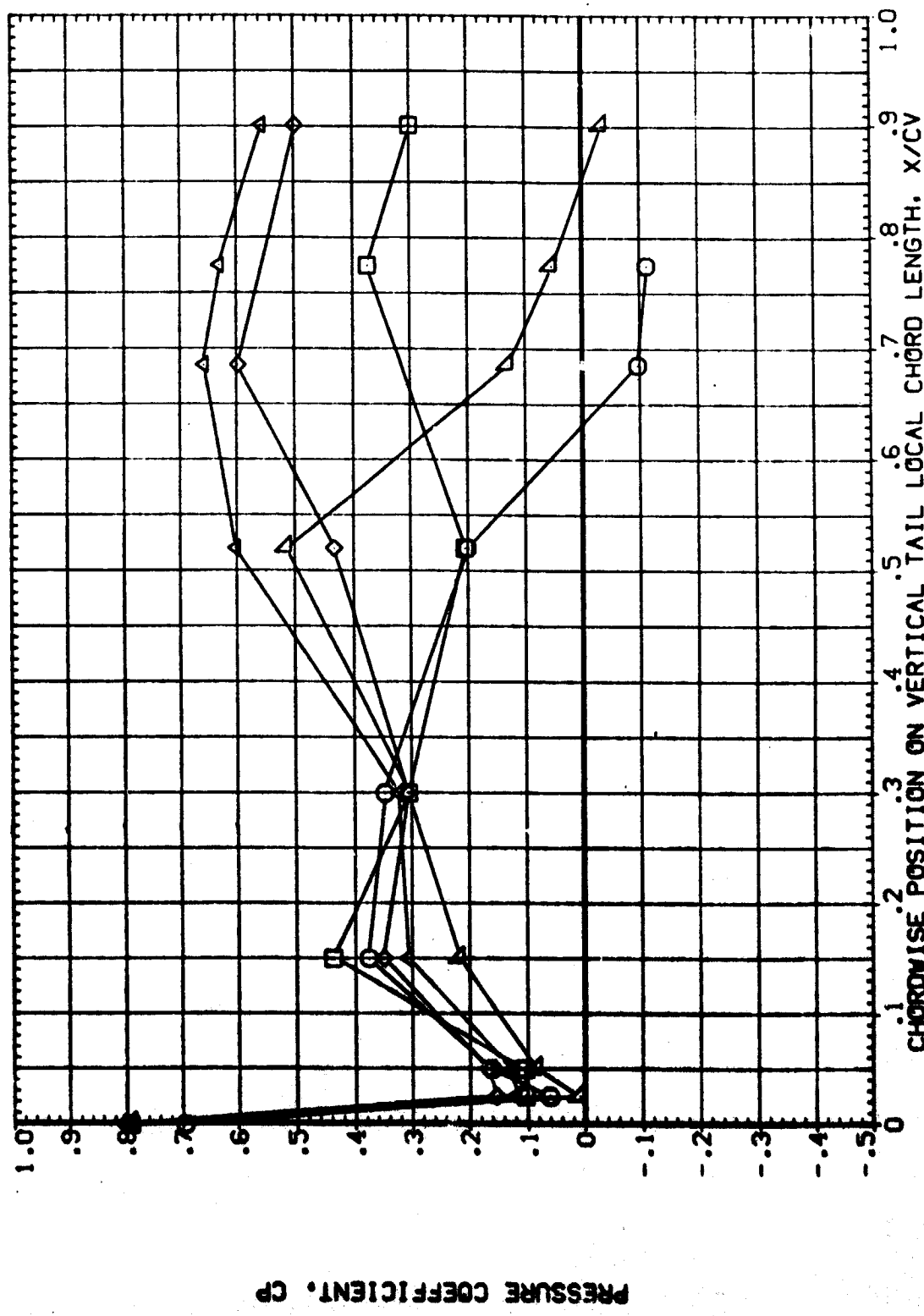


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=55, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV31)

PARAMETRIC VALUES
 MACH 2.200 RN/FT 3.000
 ELV-18 .000 ELV-08 .000
 RUDDER .000 SPDBRK 55.000

SYMBOL Z/BV ALPHAO BETAO
 ○ .153 .000 .000
 △ .316 .000 .000
 □ .640 .000 .000
 ◇ .925 .000 .000

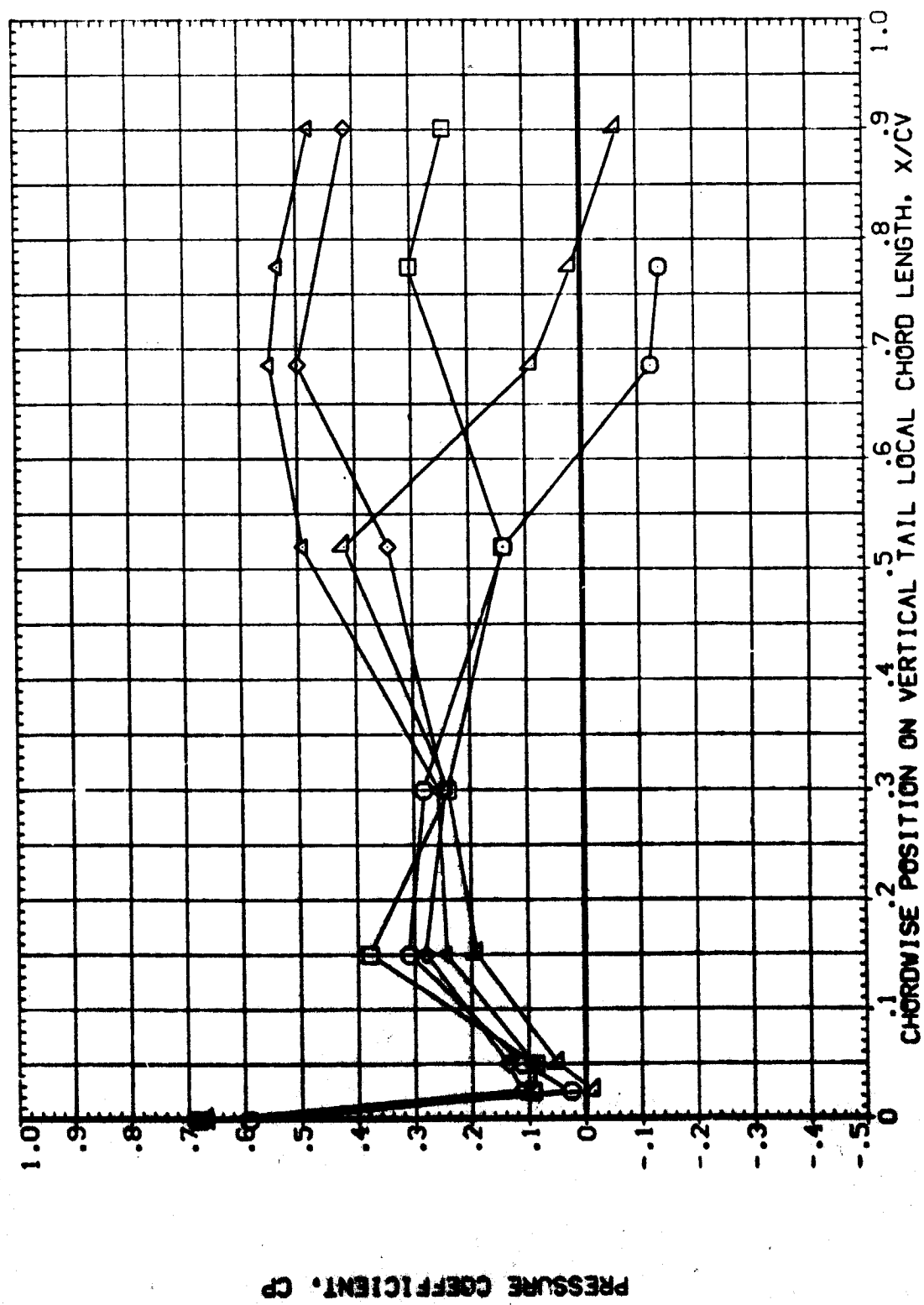


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=55, MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV31)

▽◇◇◇○
PARAMS

Z/BV .153
.216
.600
.640
.525

ALPHA0 4.000
BETA0 .000

MACH
ELV-1B
RUDDER

PARAMETRIC VALUES
2.200 RN/FT 3.000
.000 ELV-08 .000
.000 SPOBRK 55.000

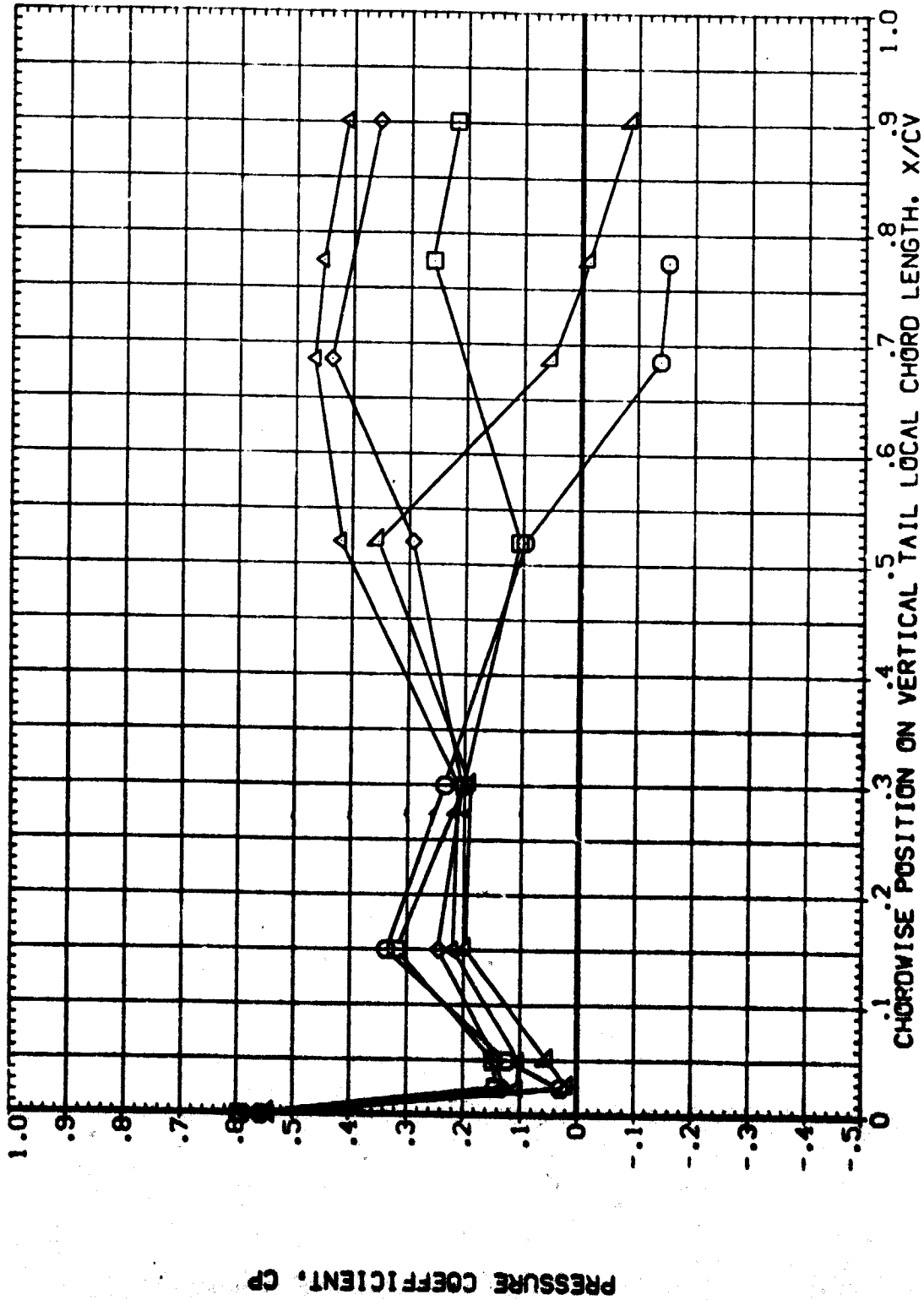


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPOBRK=55, MACH=2.20

SYMBOL	Z/δV	ALPHA	BETA	MACH	PARAMETRIC VALUES
◇	.153	9.000	.000	ELV-18	2.200 RN/FT
◇	-.316			RUDDER	.000 ELV-08
◇	.000				.000 SPDBRK
◇	.040				55.000
◇	.525				

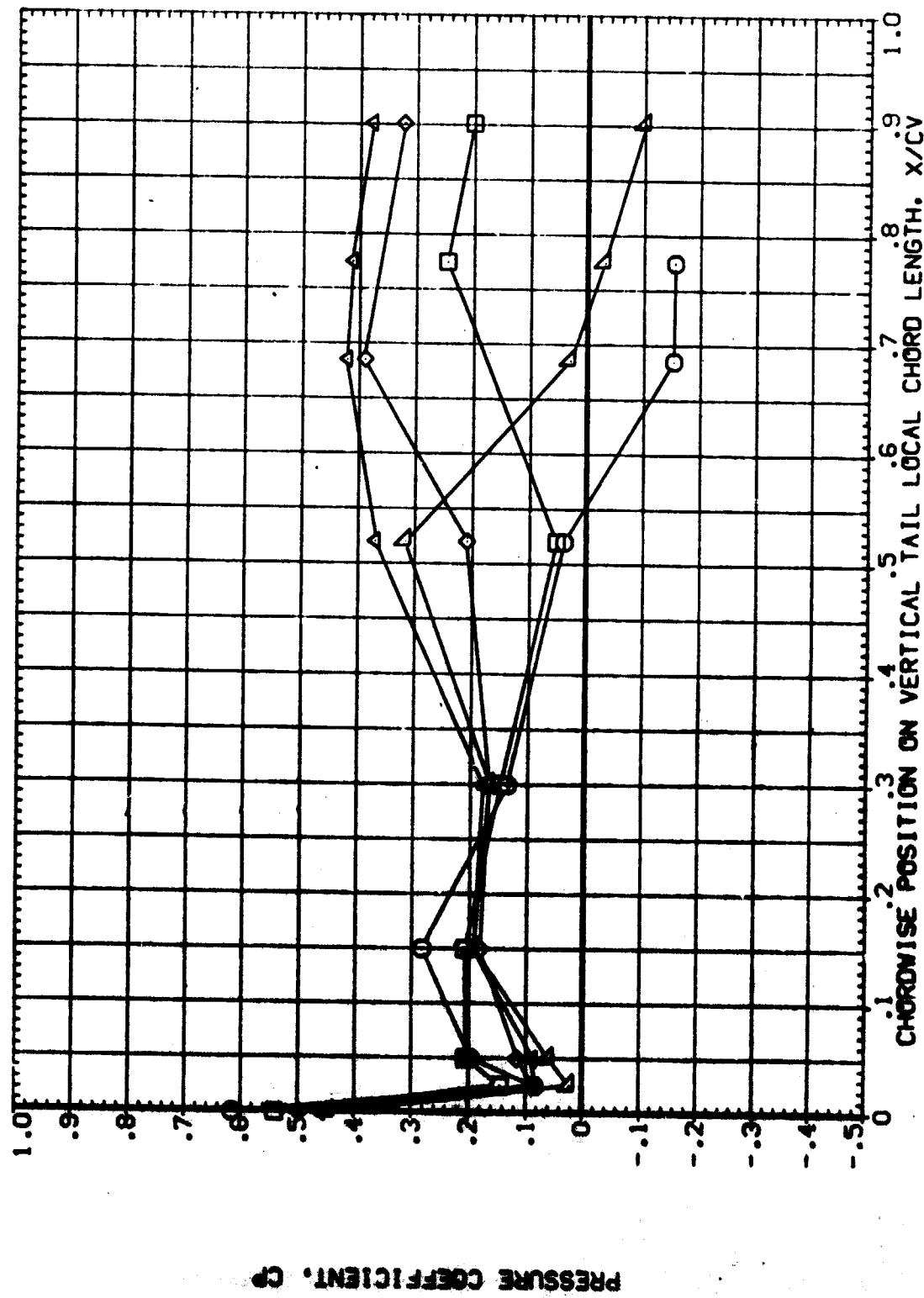


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=55, MACH=2.20

ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT VERTICAL (IETV31)

SYMBOL	Z/CM	ALPHA	BETA	MACH	PARAMETRIC VALUES
▽	.153	10.000	.000	ELV-1B	2.200
◇	.316			RUDDER	.000
□	.600			ELV-08	.000
△	.840			SPDBRK	55.000
○	.925				

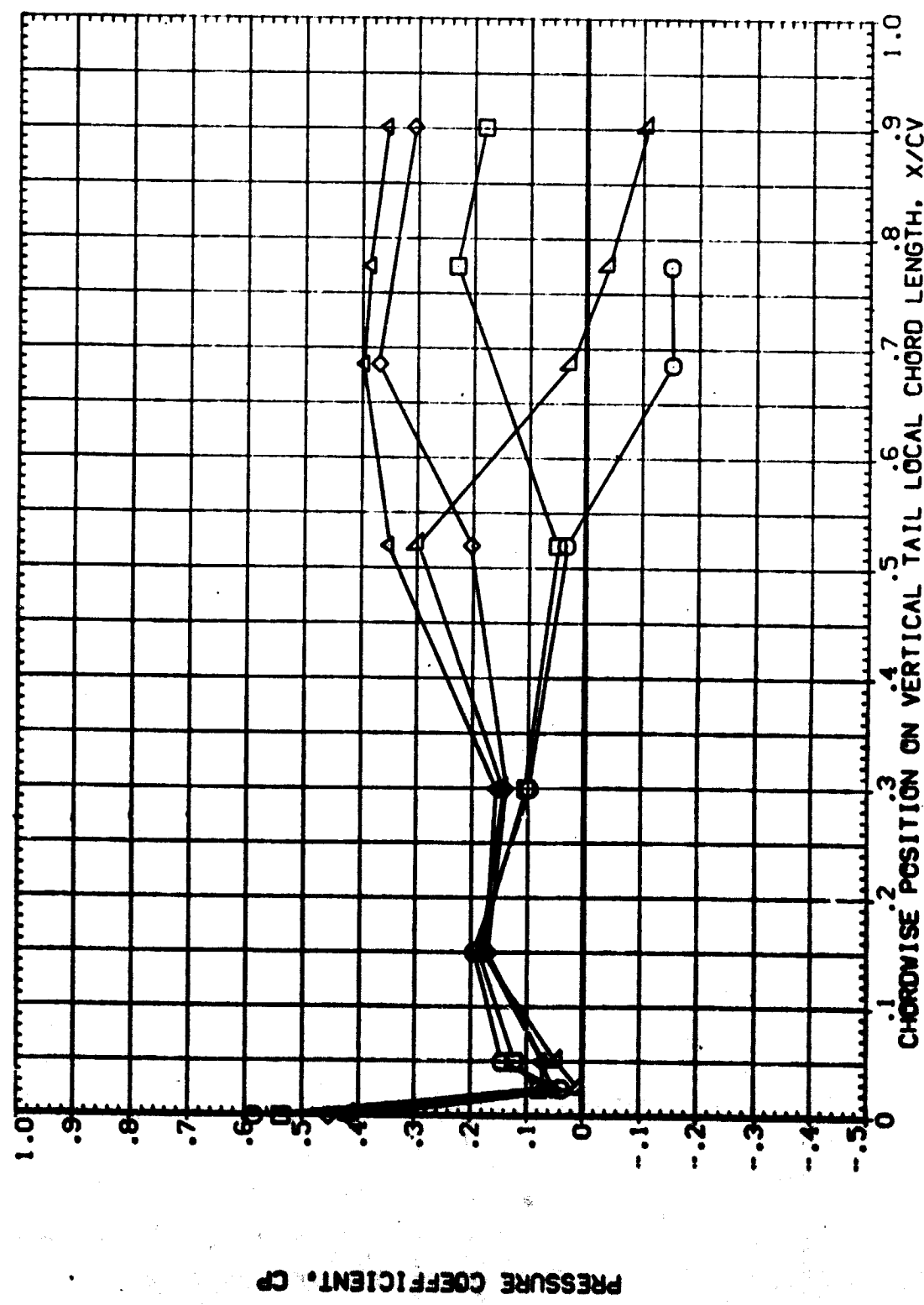


FIG. 63 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0. SPDBRK=55. MACH=2.20

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV30)

PARAMETRIC VALUES	
MACH	2.500
ELV-18	.000
RUDDER	.000
RV/FT	3.000
ELV-08	.000
SPDRBK	55.000

PARAMETRIC VALUES	
Z/RY	.100
ALPHA	-8.000
BETA	.000
BETA	.000
BETA	.000
BETA	.000

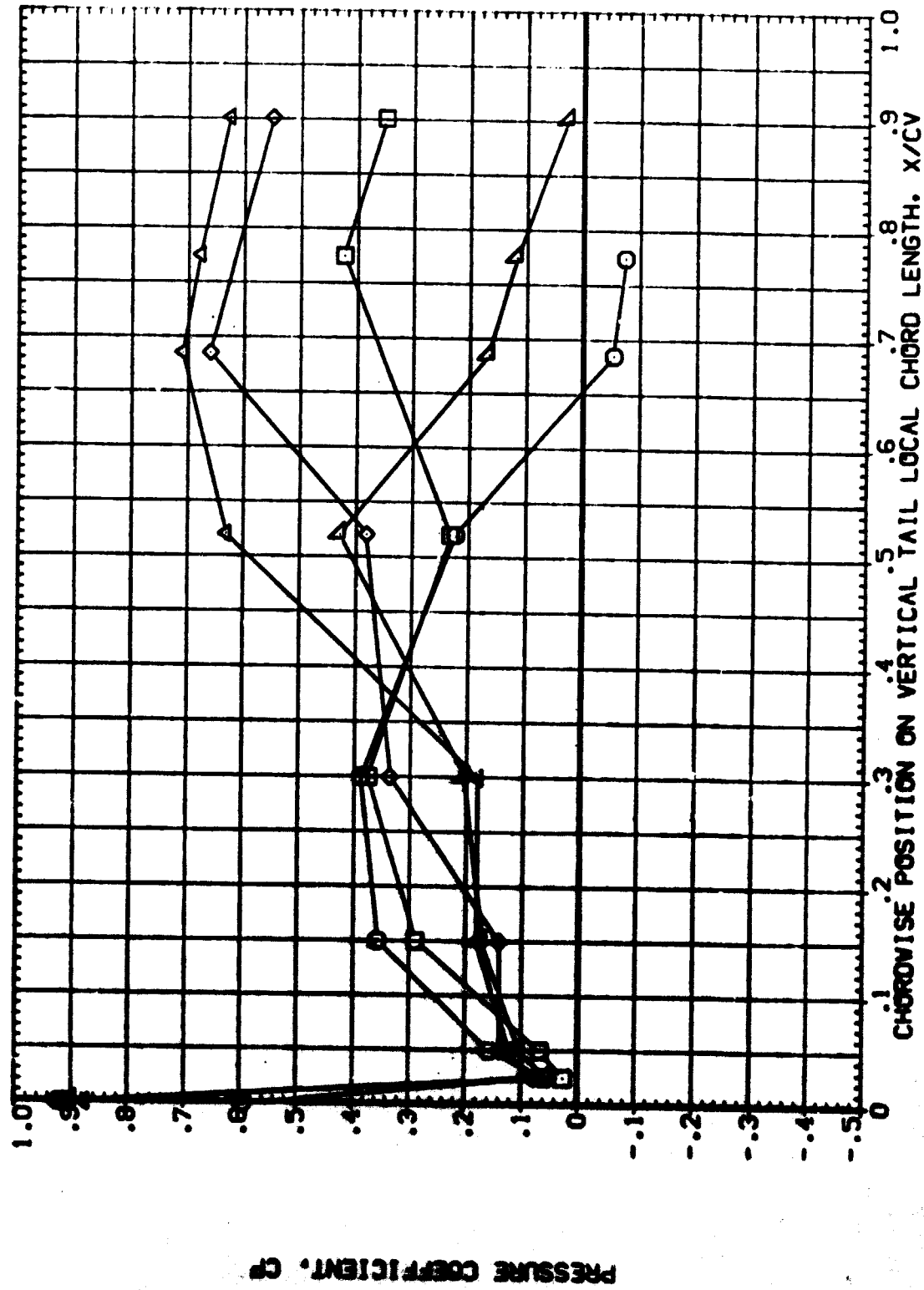


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDRBK=55, MACH=2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV30)

SYMBOL Z/CH ALPHAG BETAG

.150 .000
 .216 .000
 .300 .000
 .405 .000

MACH ELV-18
 RUDDER

PARAMETRIC VALUES
 2.500 RN/FT 3.000
 .000 ELV-08 .000
 .000 SPOBRK 55.000

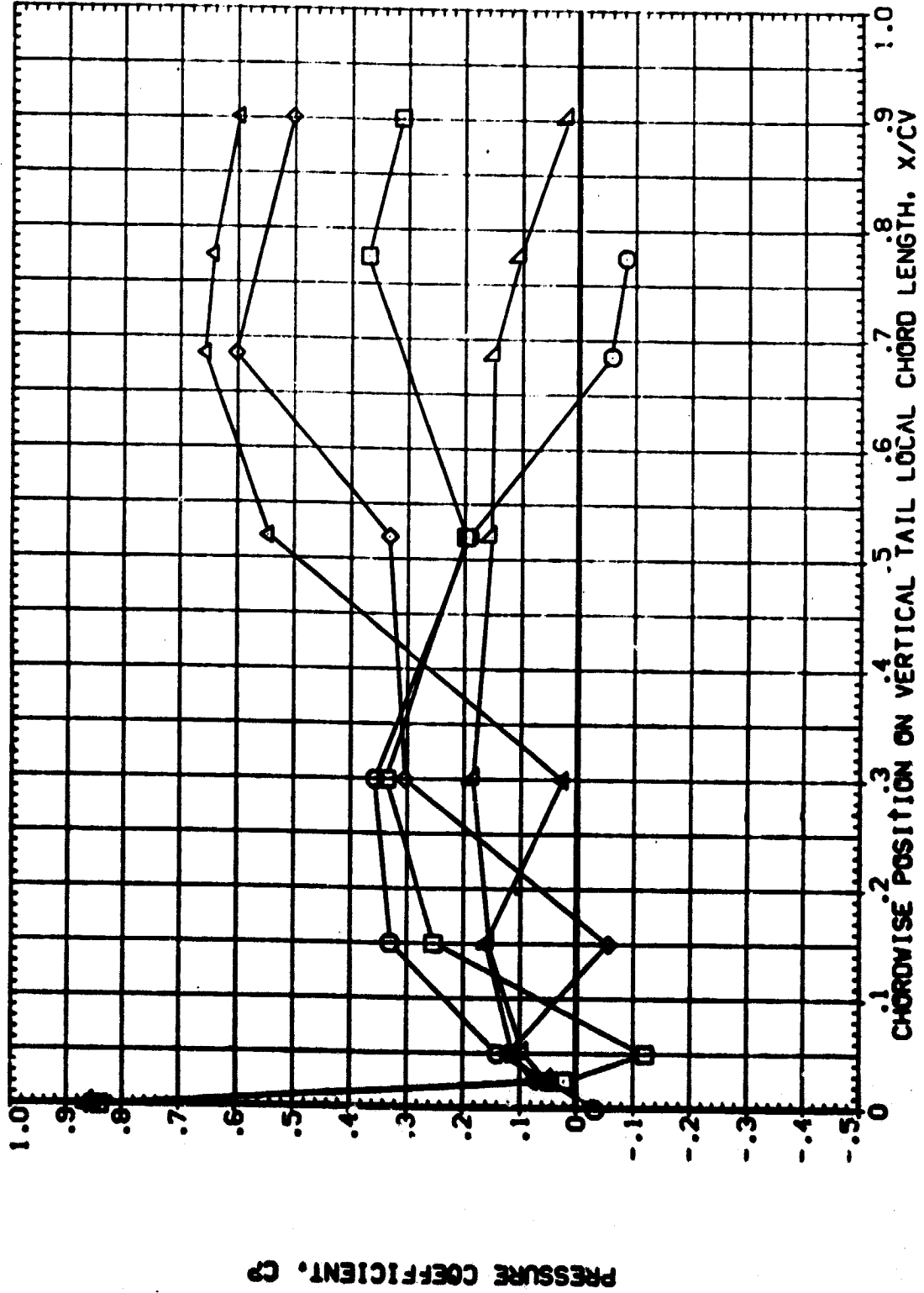


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0. SPOBRK=55. MACH=2.50

ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV30)

PARAMETRIC VALUES
 MACH 2.500 RM/FT 3.000
 ELV-18 .000 ELV-C8 .000
 RUDDER .000 SPOBRK 55.000

Z/SV ALPHAO BETAO
 .153 .000 .000
 .316 .000 .000
 .600 .000 .000
 .840 .000 .000
 .965 .000 .000

SYMBOL
 00044

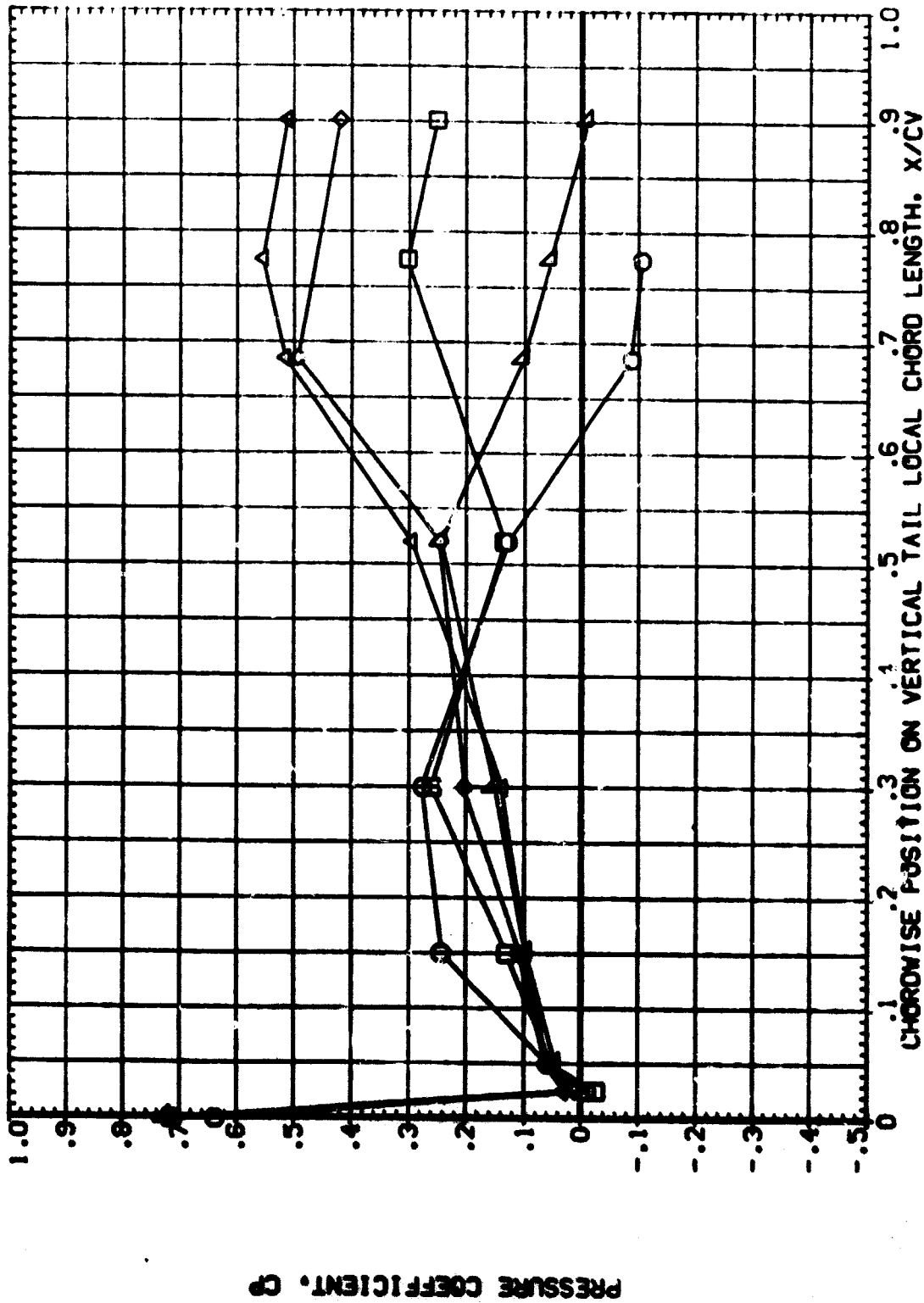


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVEN I/O=0/0. SPOBRK=55. MACH=2.50

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT VERTICAL (IETV30)

SYMBOL	Z/BV	ALPHA	BETA	MACH	PARAMETRIC VALUES
◇	.153	4.000	.000	ELV-18	2.500 RW/FT 3.000
◇	.316	.000	.000	RUDDER	.000 ELV-08 .000
◇	.600	.000	.000		.000 SPOBRK 55.000
◇	.940	.000	.000		
◇	.975	.000	.000		

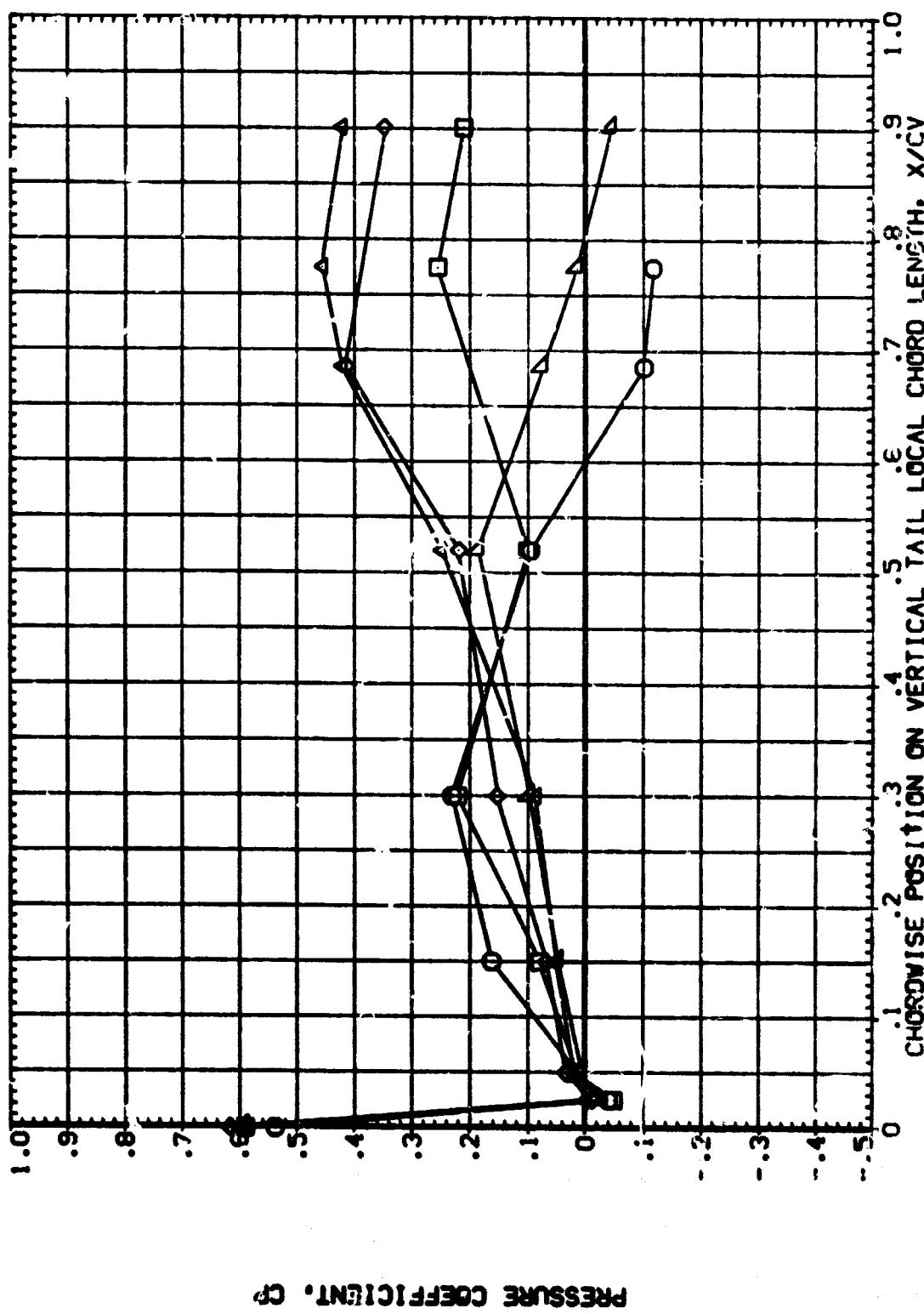


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPOBRK=55, MACH=2.50

ARC97-019 IA81 LVAP(ALLH) SEALED) LEFT VERTICAL (IETV30)

PARAMETRIC VALUES	
MACH	2.500
ELV-18	.000
RUDDER	.000
SPDBRK	55.000
Z/BV	.133
ALPHA	8.000
BETA	.000
SYMBOL	
▽	.316
◇	.600
□	.840
○	.925

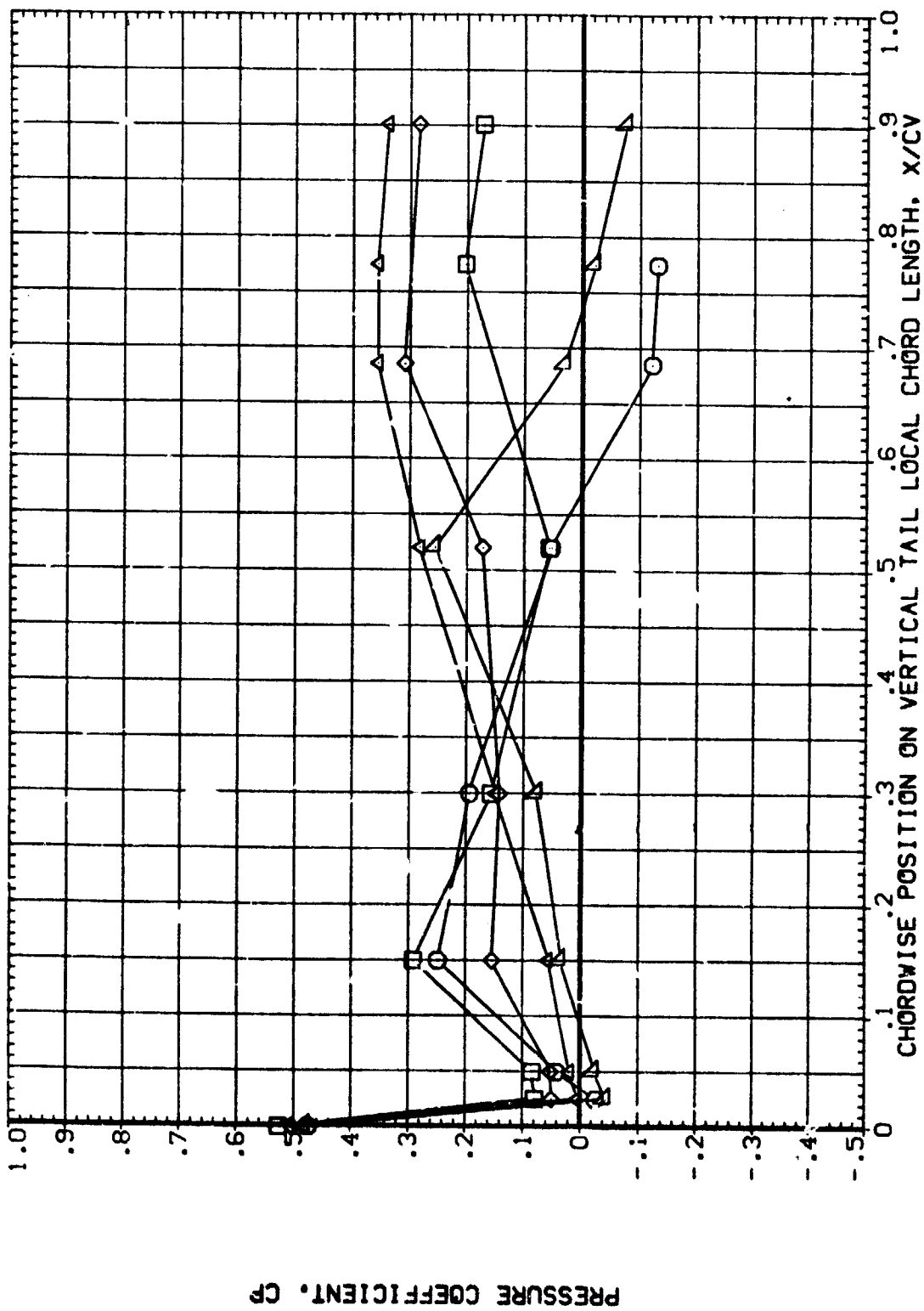


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON 1/0=0/0, SPDBRK=55, MACH=2.50

ARC97-019 IA81 LVAPCALLHL SEALED) LEFT VERTICAL (IETV30)

SYMBOL	Z/BV	ALPHA	BETA	MACH	PARAMETRIC VALUES
▽	.53	10.000	.000	ELV-1B	2.500 RN/FT 3.000
◇	.315			RUDDER	.000 ELV-08 .000
□	.600				.000 SPDBRK 55.000
△	.840				
○	.92				

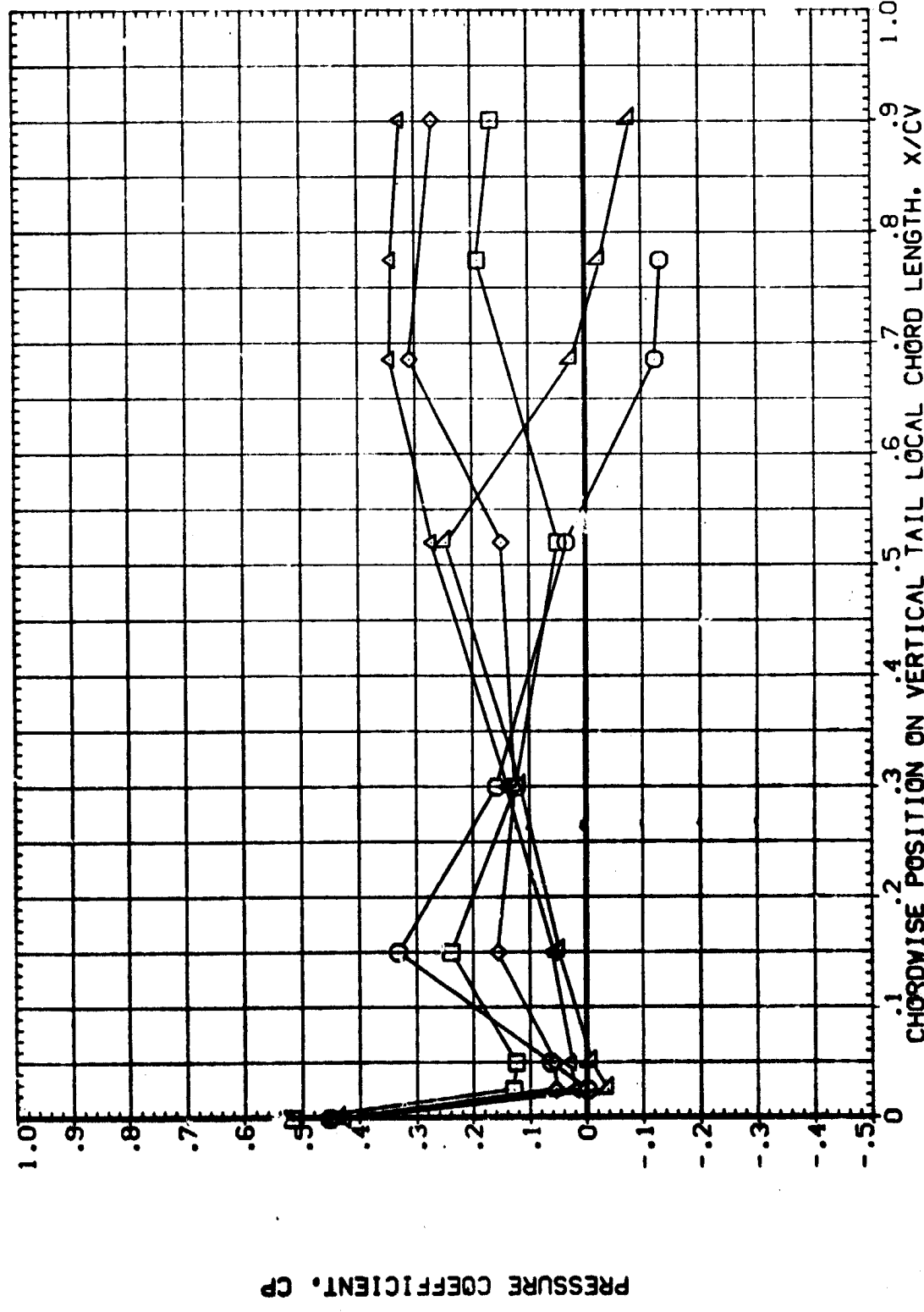
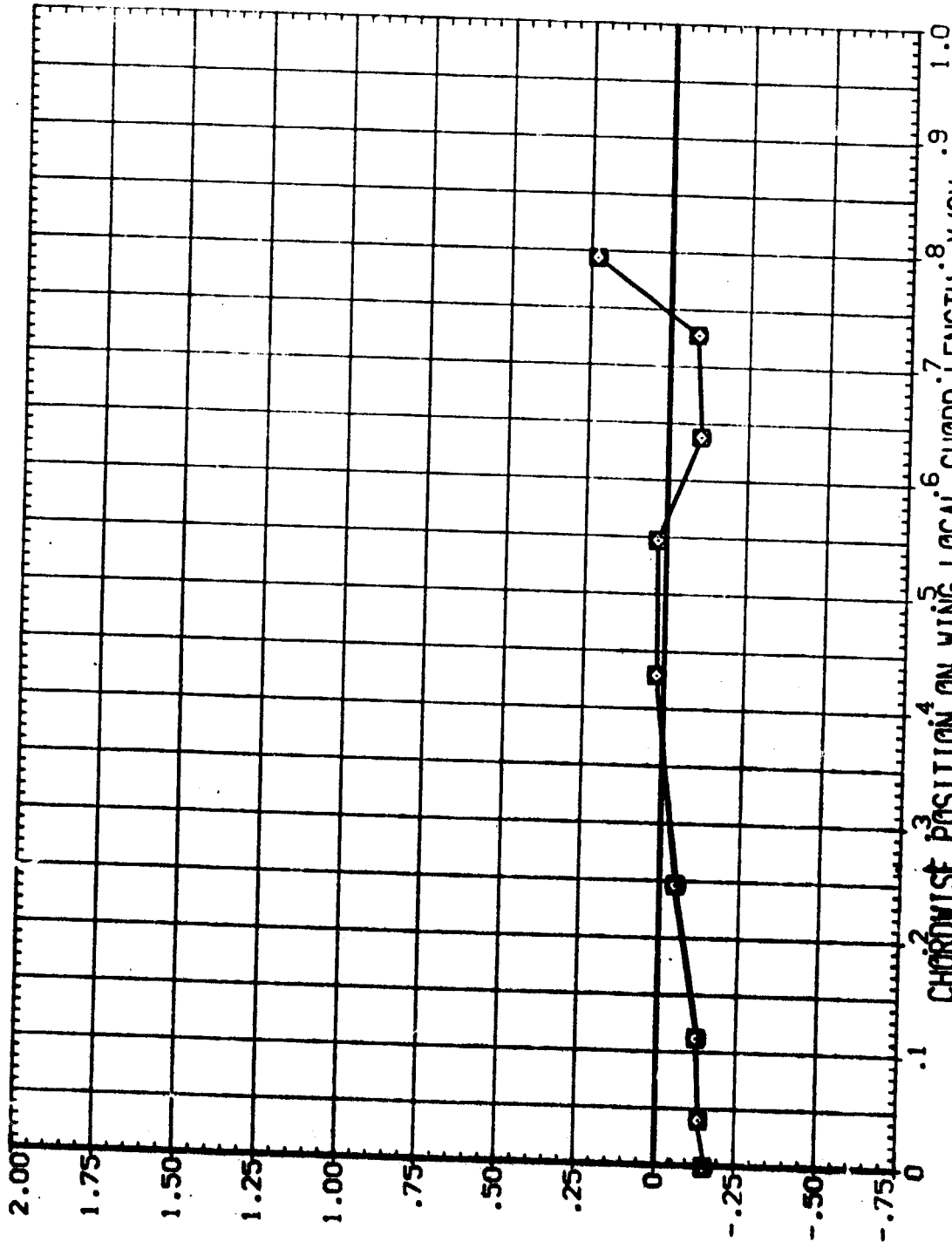


FIG. 64 VERT. TAIL CHORDWISE PRESS. DIST. ELEVON I/O=0/0, SPDBRK=55, MACH=2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL43)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETL35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0. MACH = 1.55

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

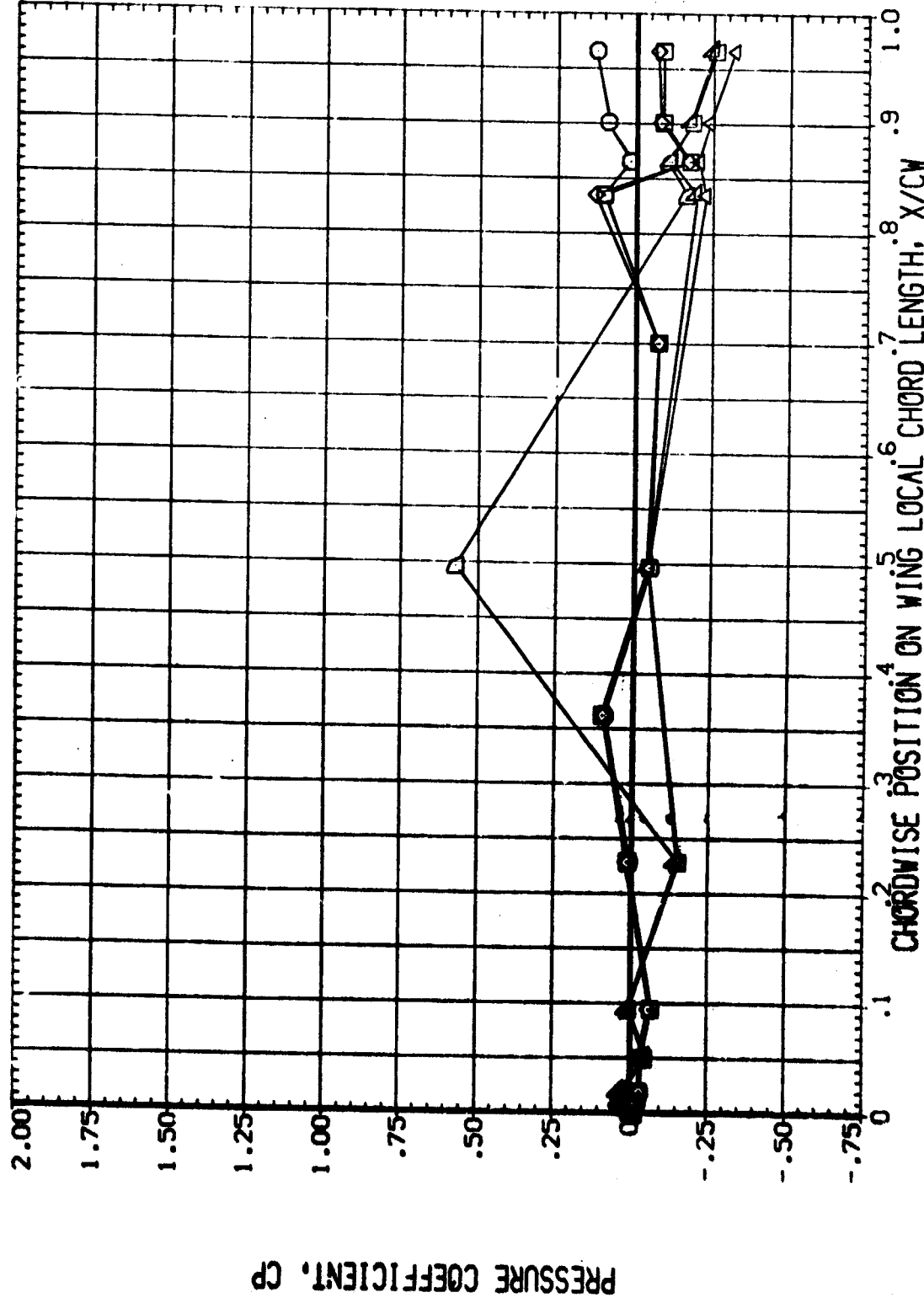


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0, MACH = 1.55
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .299 PAGE 1197

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU08)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU09)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

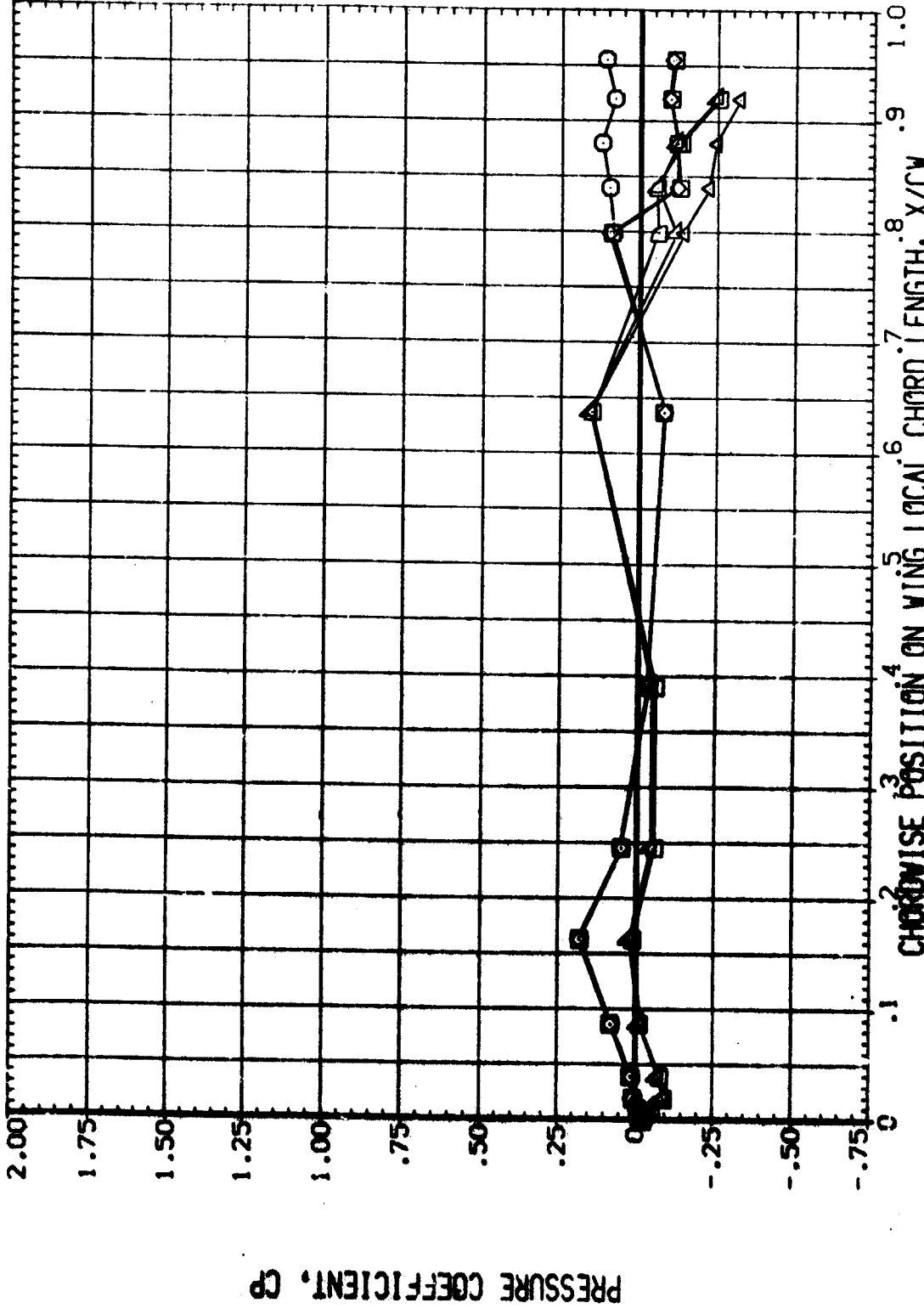


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0, MACH = 1.55

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU99)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU95)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

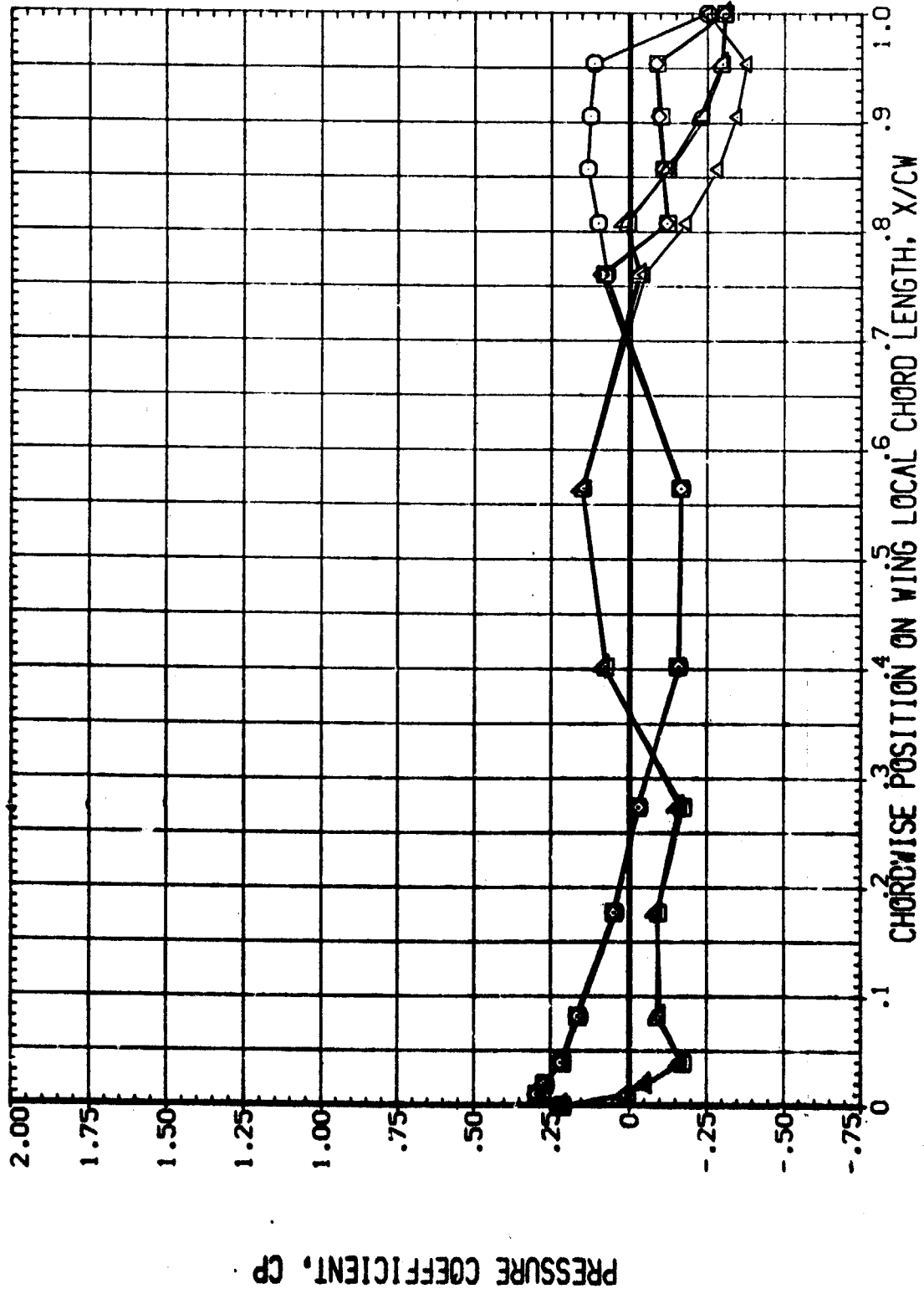


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .427 PAGE 1199

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU09)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU13)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU23)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL29)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL55)	ARC37-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

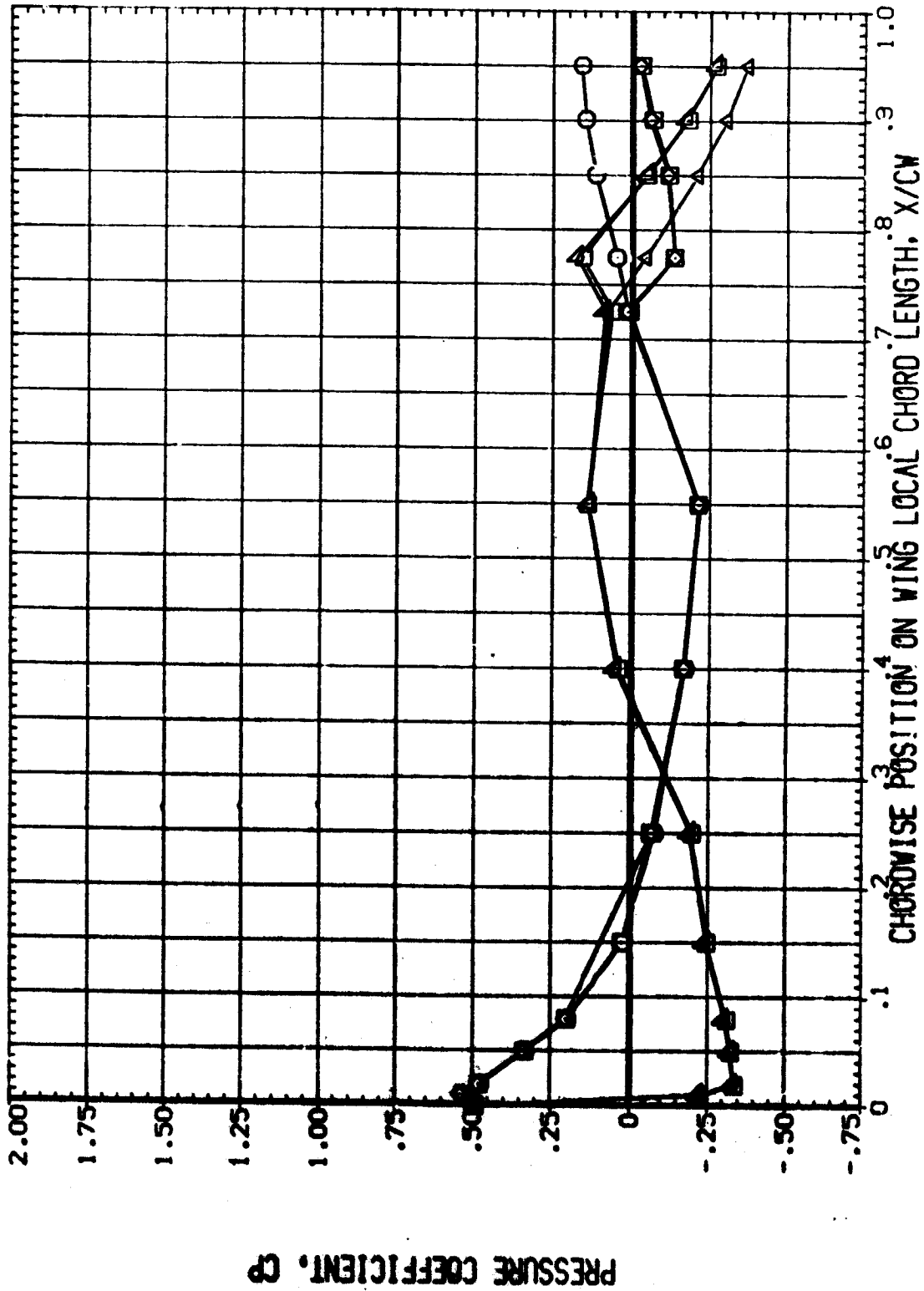


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .534 PAGE 1200

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU09)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU53)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL35)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 [A8] LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

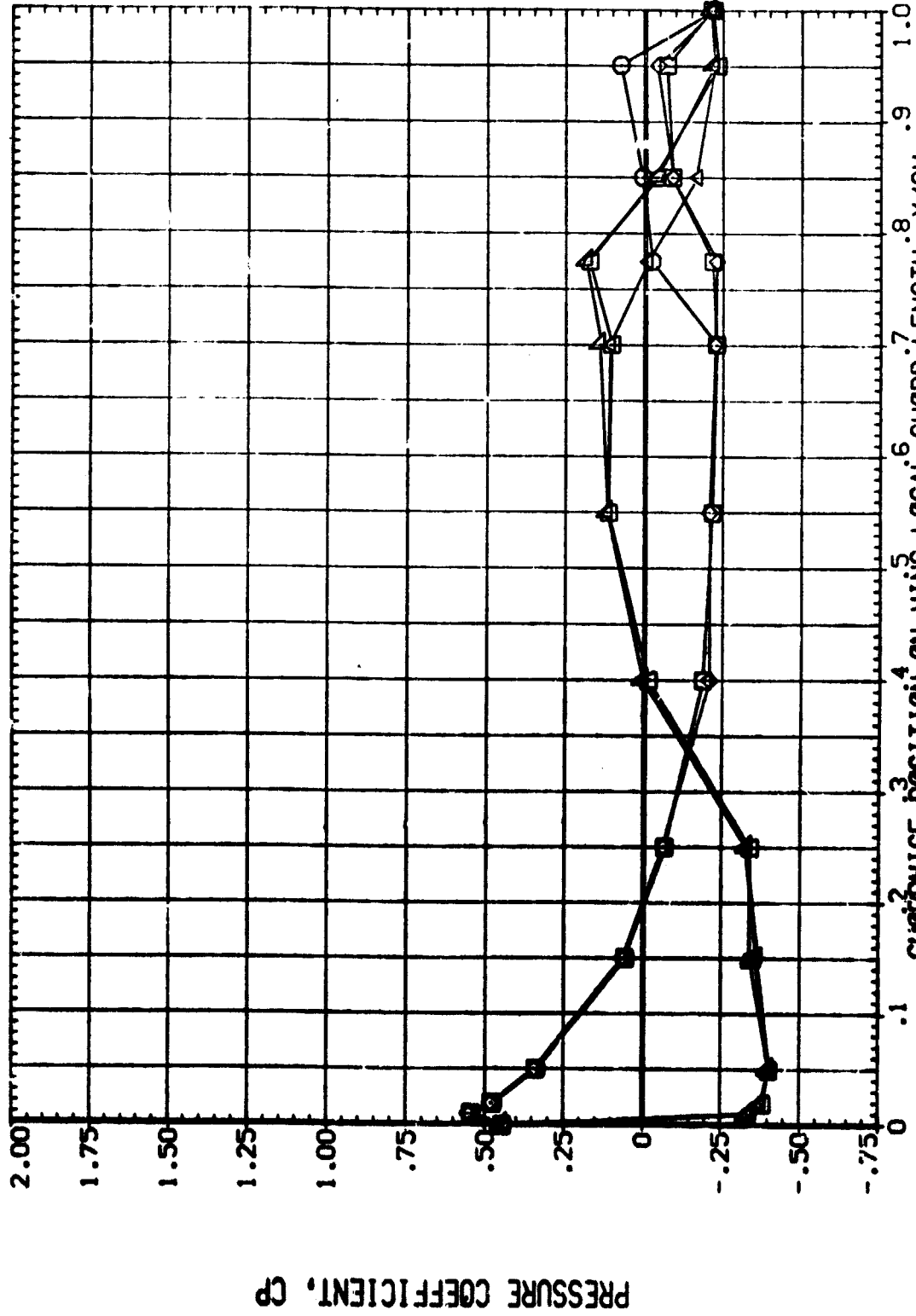


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0, MACH = 1.55

DATA SET SYMBOL. CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-08

(IETU08)	ARC7-019	IAB1 LVAP(ALLH SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019	IAB1 LVAP(ALLH SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(IETU43)	ARC97-019	IAB1 LVAP(ALLH SEALED)	LEFT WING BOT.	1.550	.000	2.500	.000
(IETL38)	ARC97-019	IAB1 LVAP(ALLH SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL33)	ARC97-019	IAB1 LVAP(ALLH SEALED)	LEFT WING BOT.	1.550	.000	2.500	.000
(IETL33)	ARC97-019	IAB1 LVAP(ALLH SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000

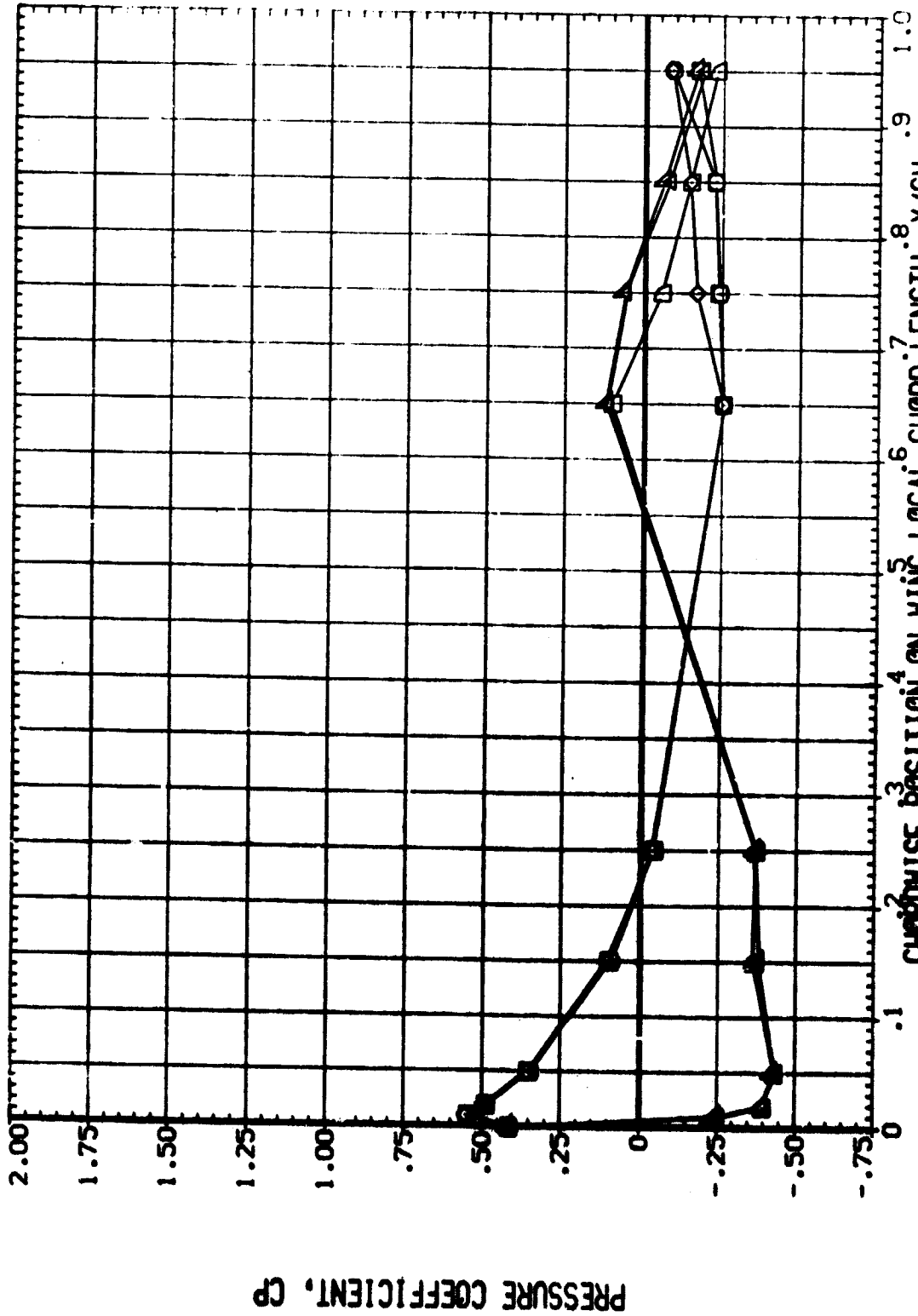


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHAAC = -6.000 BETA0 = .000 Y/BW = .780 PAGE 1202

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETUG9)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETUM2)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETUG5)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETLJ9)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(I2TL43)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

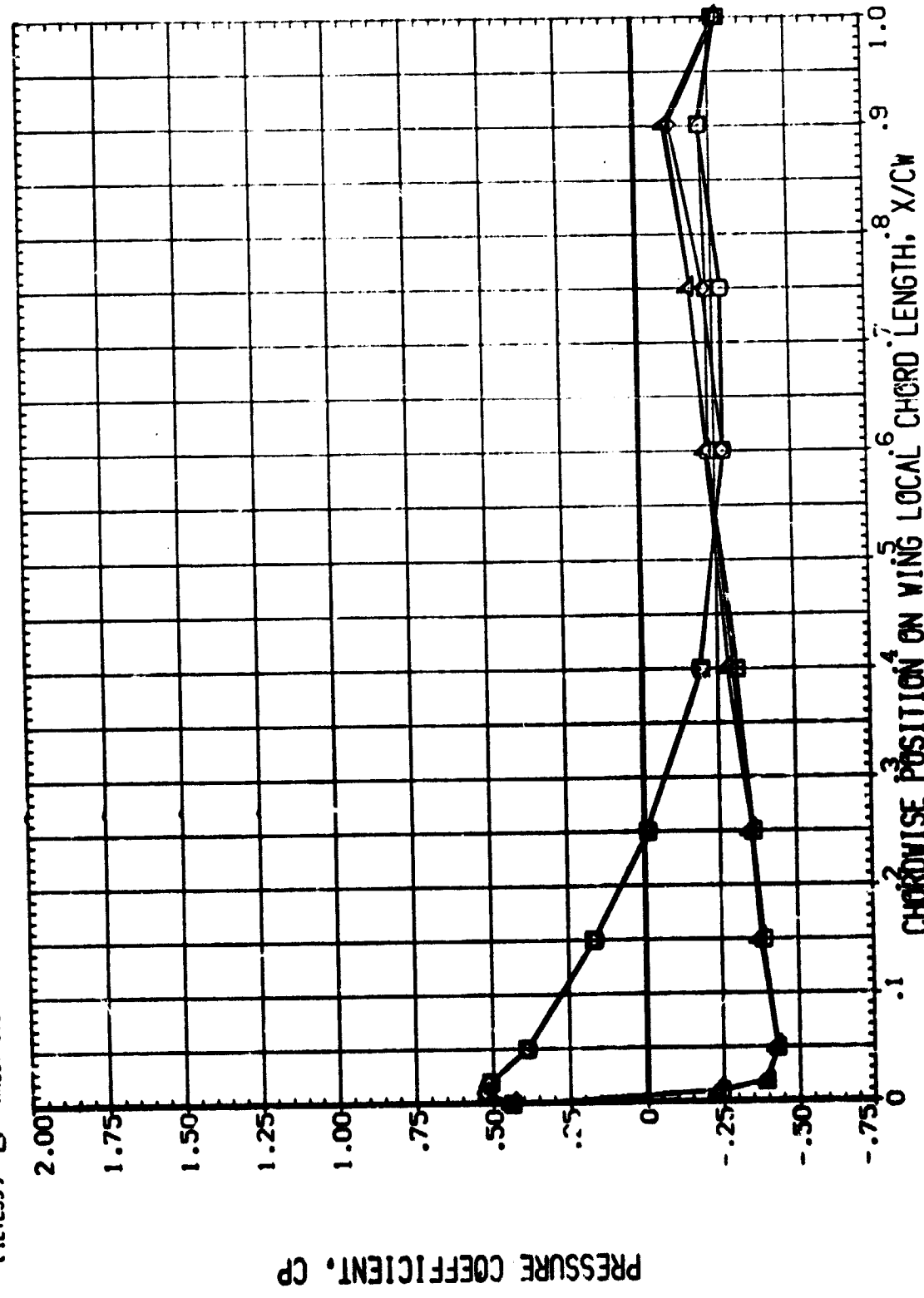


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .887 PAGE 1203

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETL08)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETL03)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETL02)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL38)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC37-019 (A81 LVAP(ALLA SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

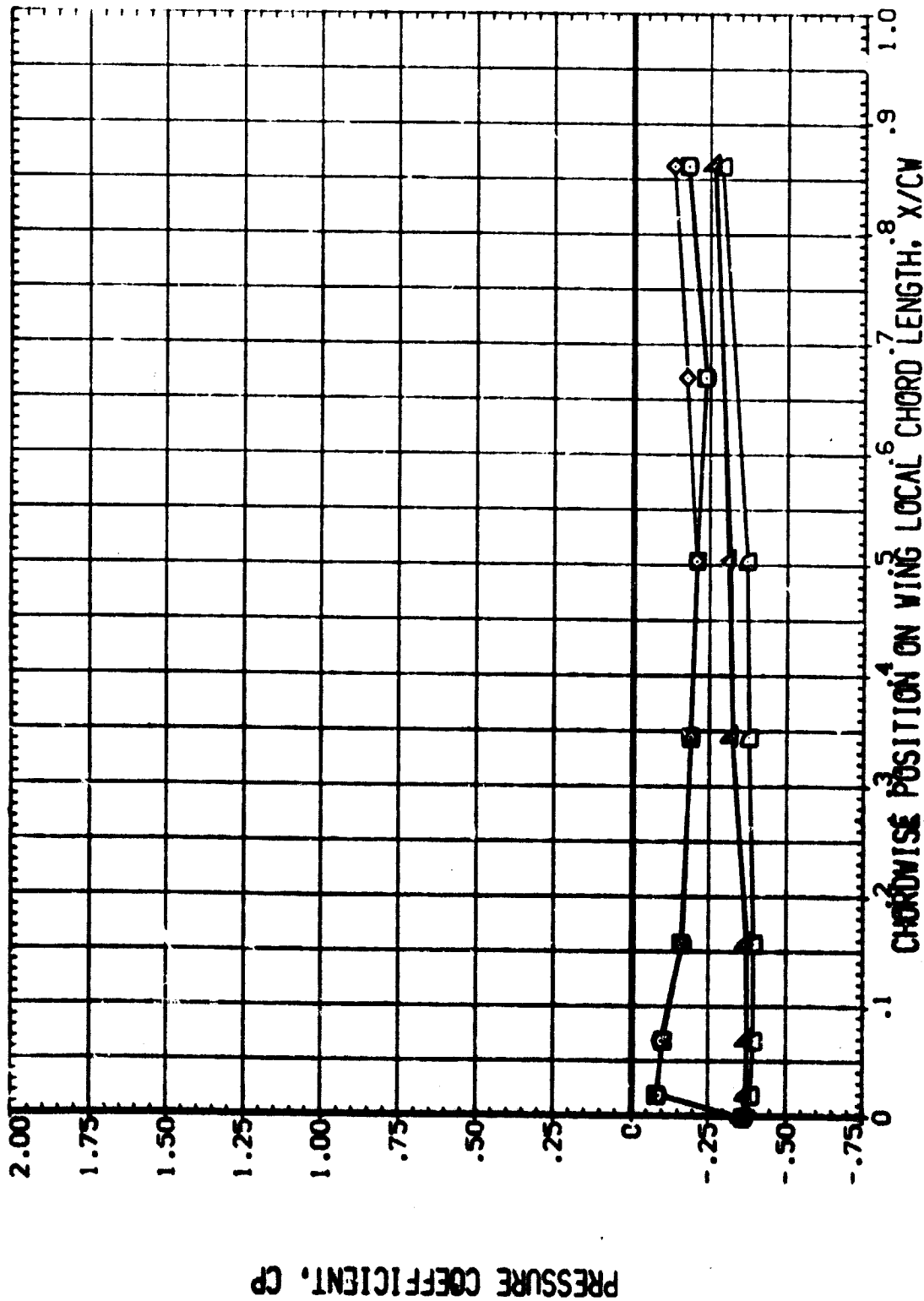


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (1E1U9) ARC37-019 TAB1 LVAP(ALL) SEALED) LEFT WING TOP
 (1E1U3) ARC37-019 TAB1 LVAP(ALL) SEALED) LEFT WING TOP
 (1E1U5) ARC37-019 TAB1 LVAP(ALL) SEALED) LEFT WING TOP
 (1E1L3) DATA NOT AVAILABLE
 (1E1L4) DATA NOT AVAILABLE
 (1E1L5) DATA NOT AVAILABLE

MACH ELV-1B RN/FT ELV-08
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 .000 2.500 .000
 1.550 8.000 2.500 -4.000

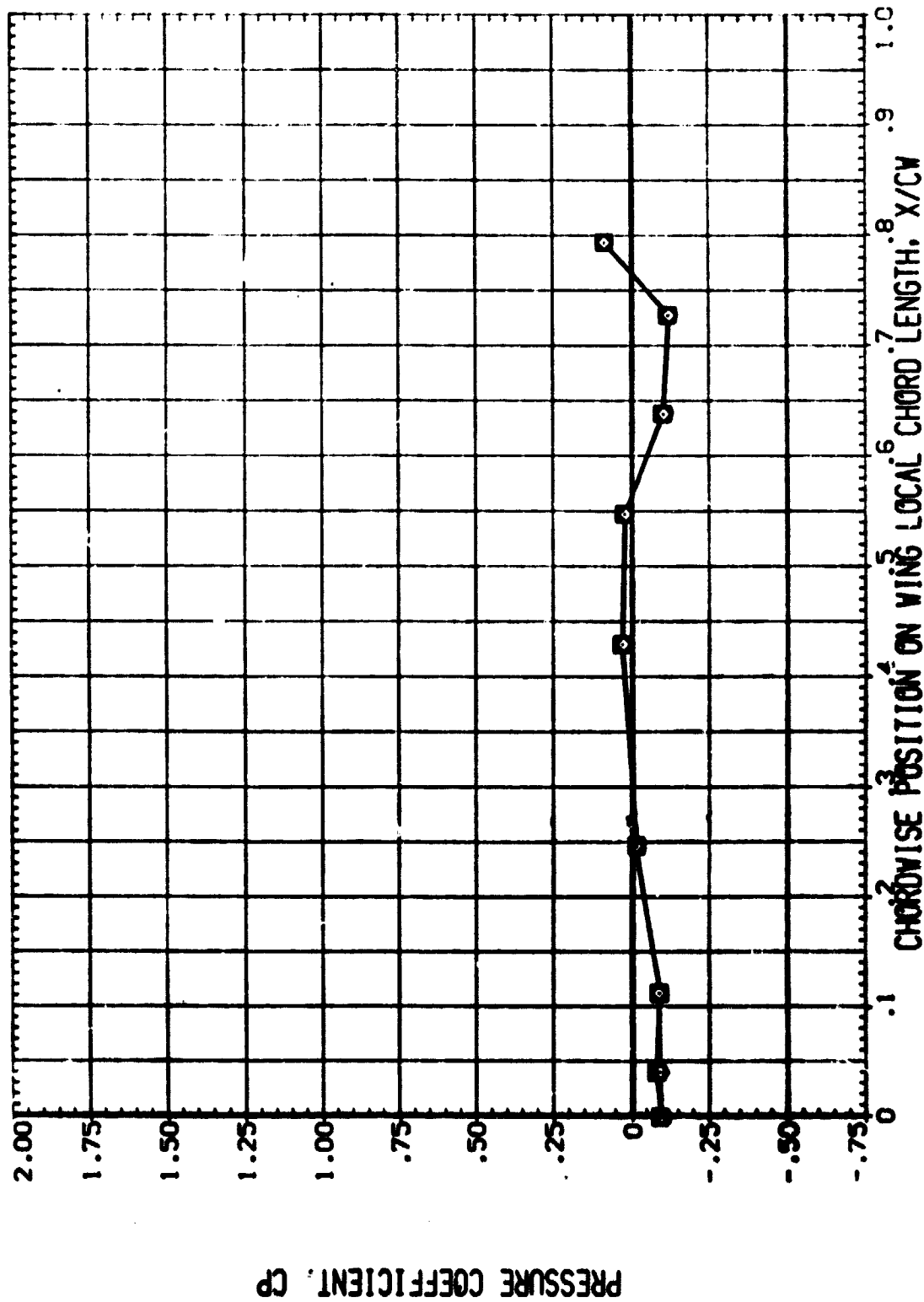
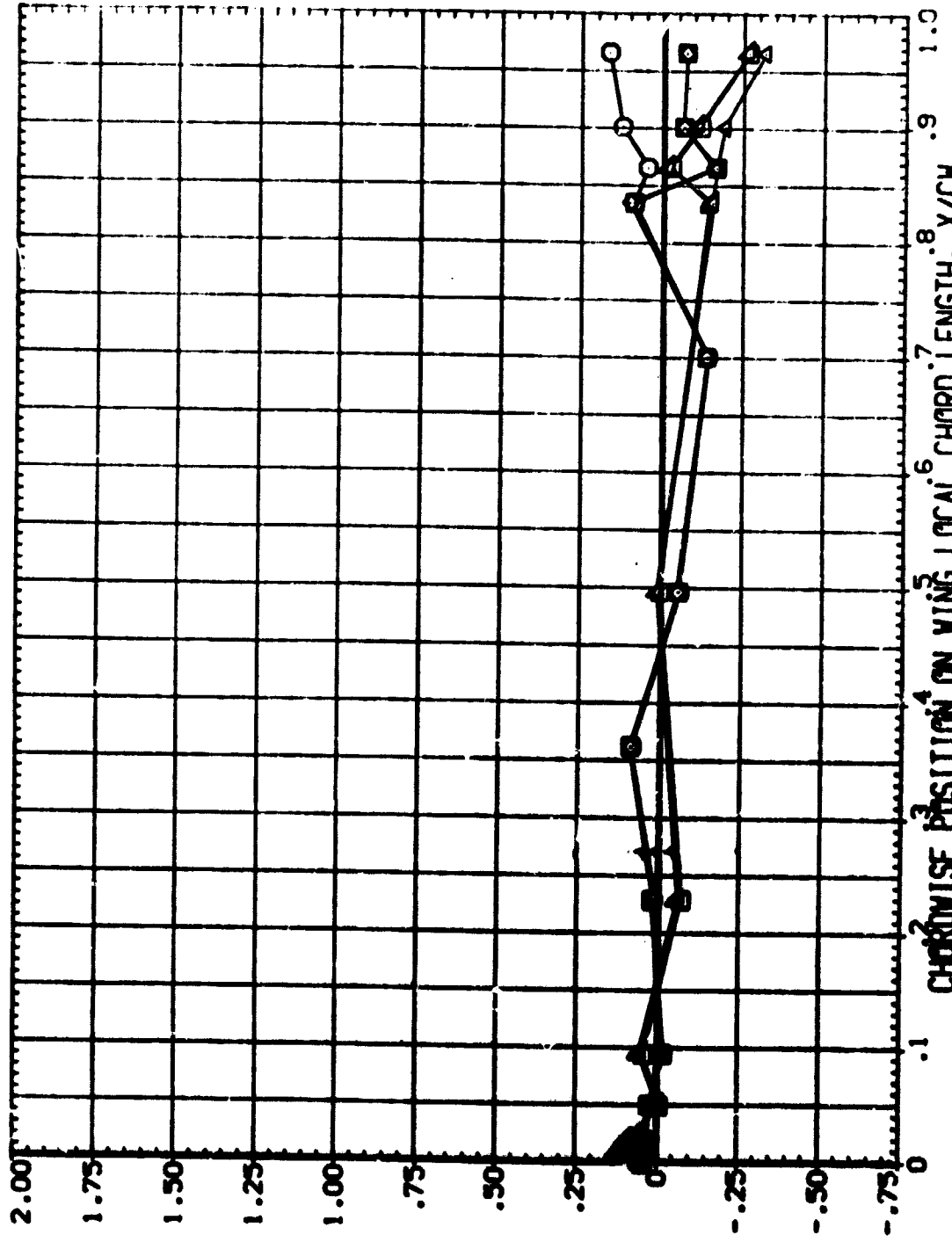


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA = -4.000 BETA = -4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(1ETU09)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING TOP	1.350	.000	2.500	.000
(1ETU43)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING TOP	1.350	8.000	2.500	.000
(1ETU08)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	1.350	.000	2.500	-4.000
(1ETL38)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	1.350	8.000	2.500	.000
(1ETL43)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	1.350	.000	2.500	.000
(1ETL35)	ARC37-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	1.350	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION⁴ ON WING LOCAL CHORD LENGTH⁸; X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA= -4.000 BETA= -4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(TEL19)	ARC97-019 (AB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(TEL19)	ARC97-019 (AB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(TEL19)	ARC97-019 (AB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(TEL19)	ARC97-019 (AB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(TEL19)	ARC97-019 (AB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

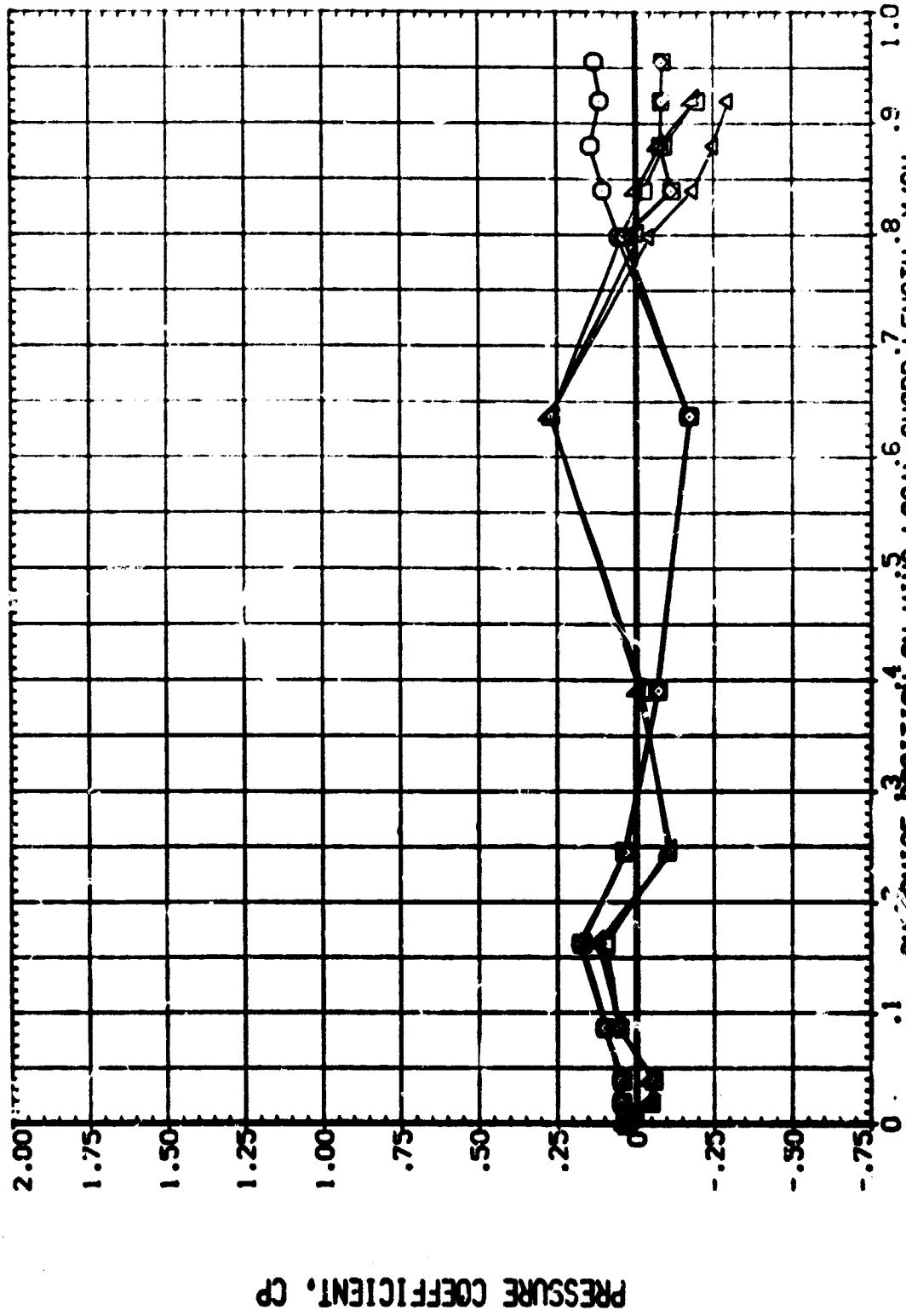


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. S^{DBRK} = 0. MACH = 1.55

ALPHA = -4.000 BETA = -4.000 Y/BW = .364

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU08)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU05)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL38)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 [A8] LVAP(ALL,HL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

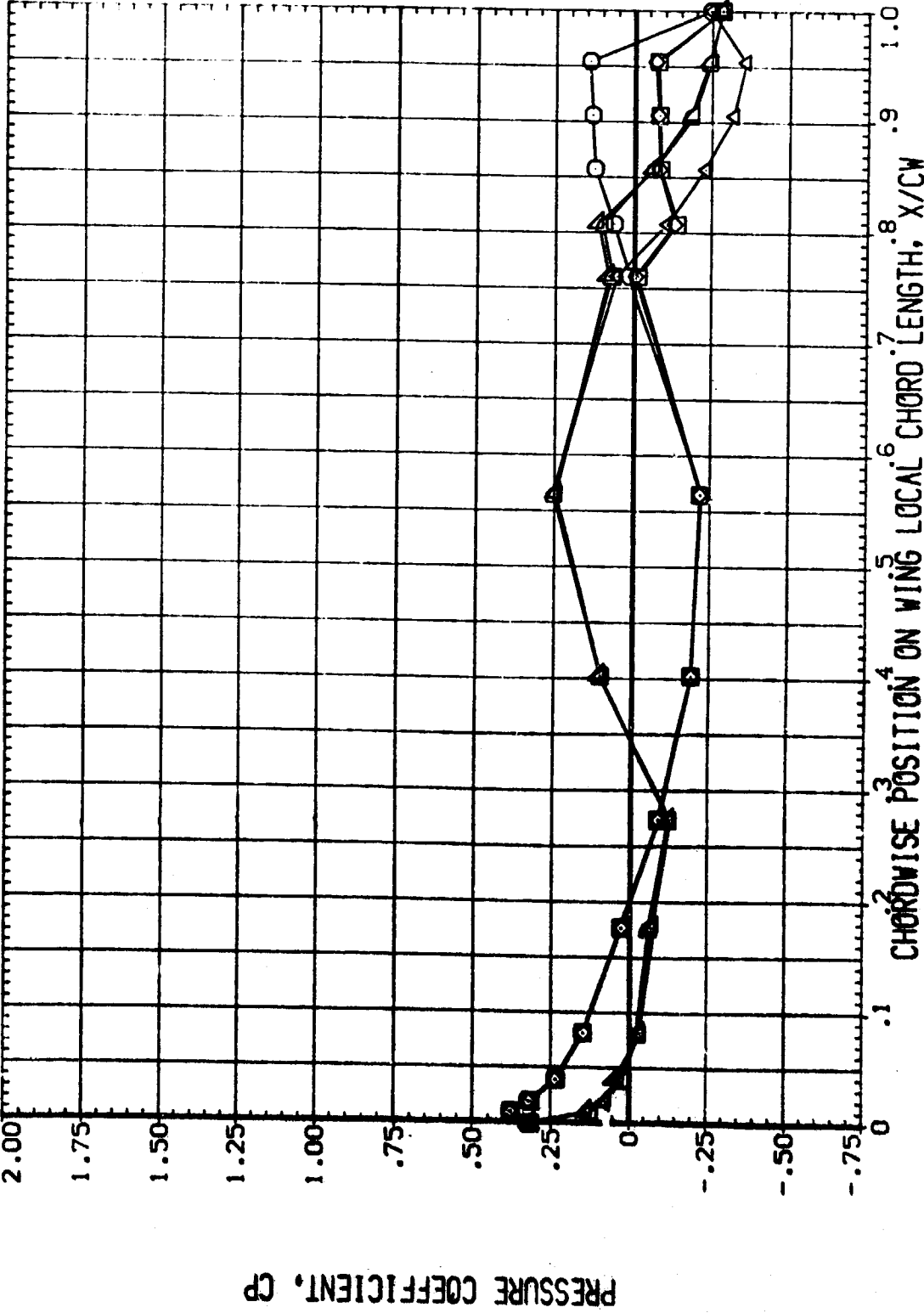


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU 9)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.530	.000	2.500	.000
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU 5)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL 28)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL 43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL 35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

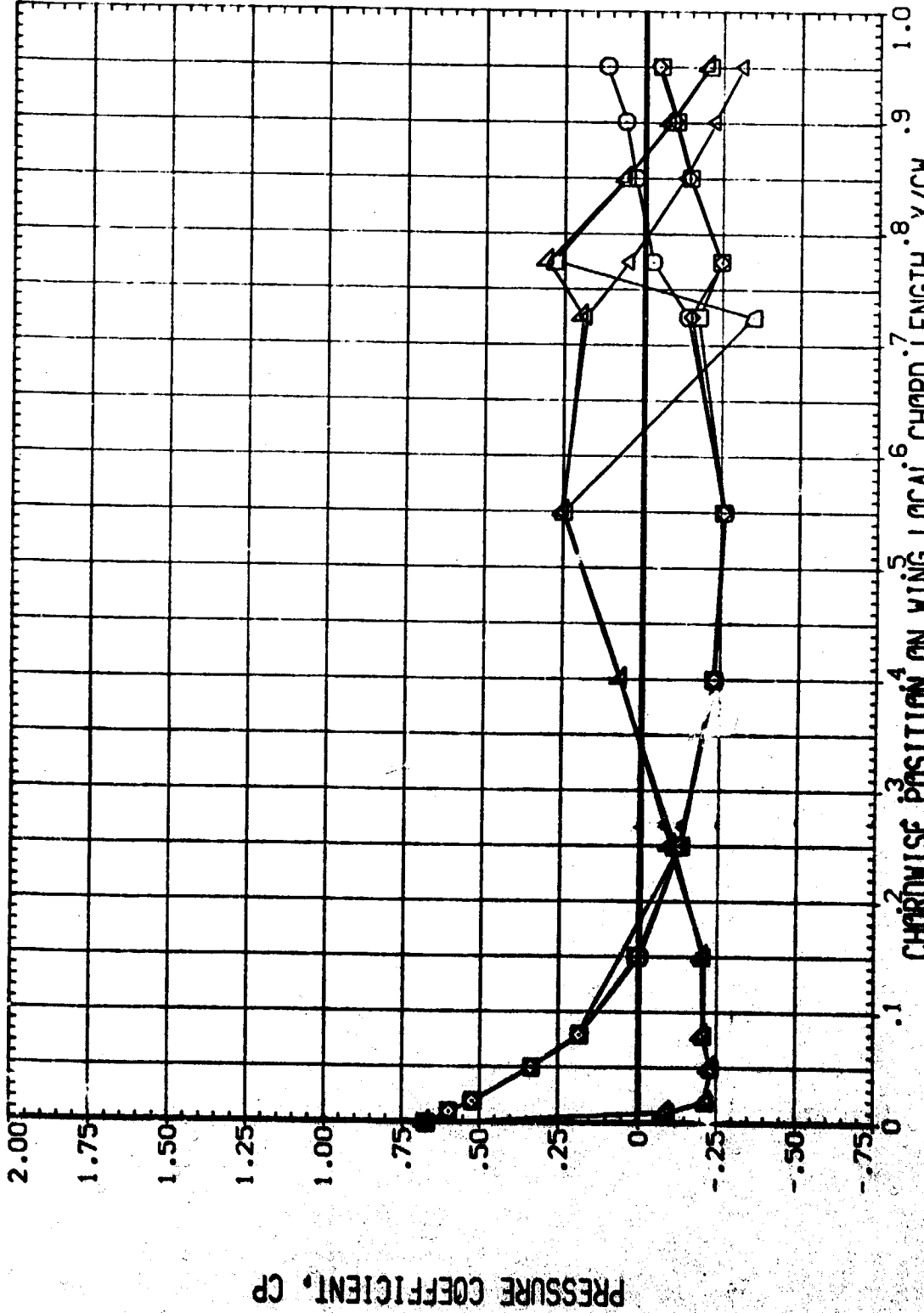


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA = -4.000 BETA = -4.000 Y/BW = .534 PAGE 1209

DATA SET SYMB.	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	.000	2.500	.000
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	6.000	2.500	.000
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	6.000	2.500	-4.000
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	.000	2.500	.000
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	6.000	2.500	.000
(SERIES)	ANC57-019 1A81 LVAP(ALLIAL SEALED)	1.550	6.000	2.500	-4.000

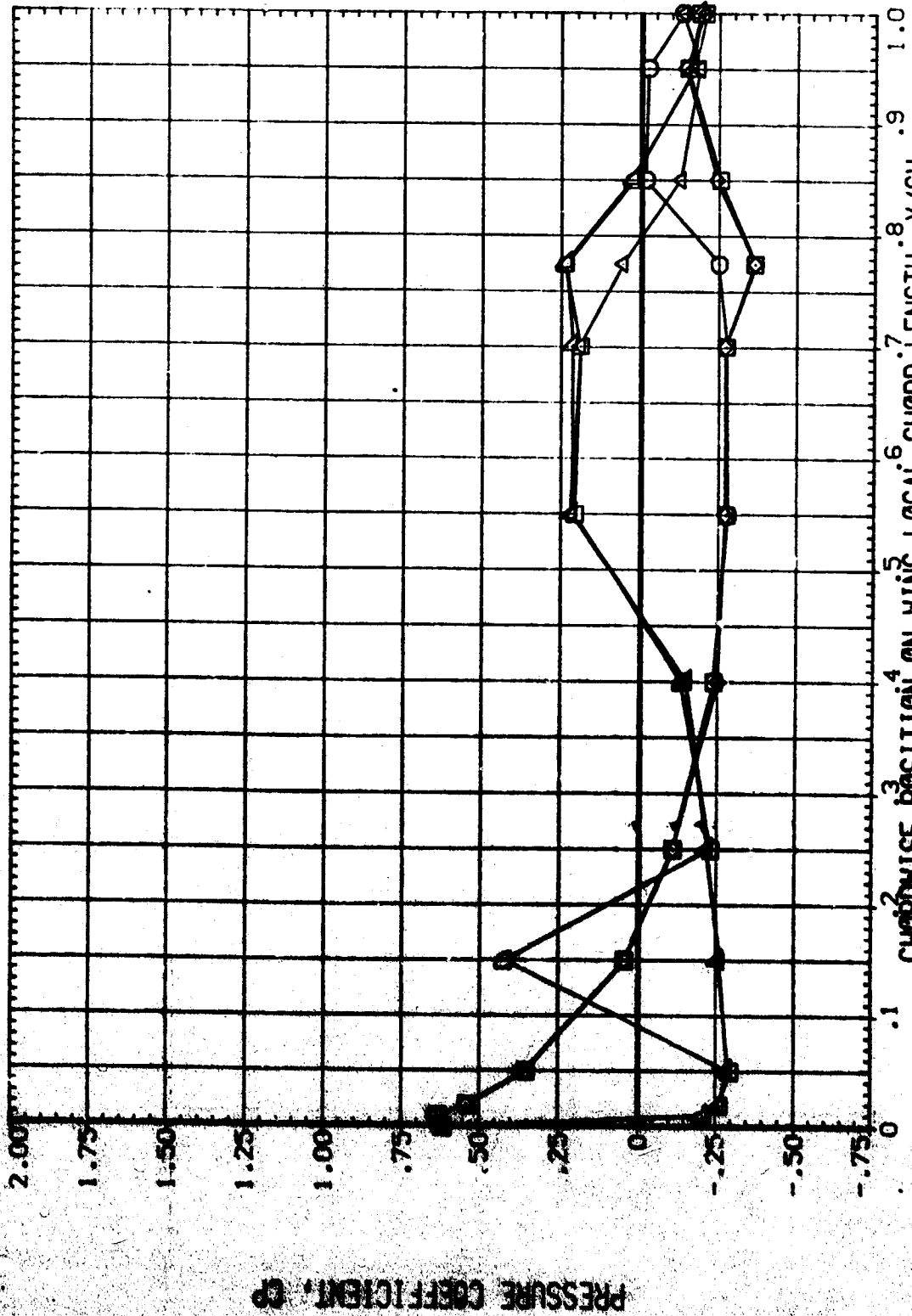


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = -4.000 BETA = -4.000 Y/BW = .673 PAGE 1210

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	.000	2.500	.000
(IETU43)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	8.000	2.500	.000
(IETU35)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	8.000	2.500	-4.000
(IETL39)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	.000	2.500	.000
(IETL43)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	8.000	2.500	.000
(IETL35)	ARC37-019 IAB1 LVAP(ALLAL SEALED)	1.550	8.000	2.500	-4.000

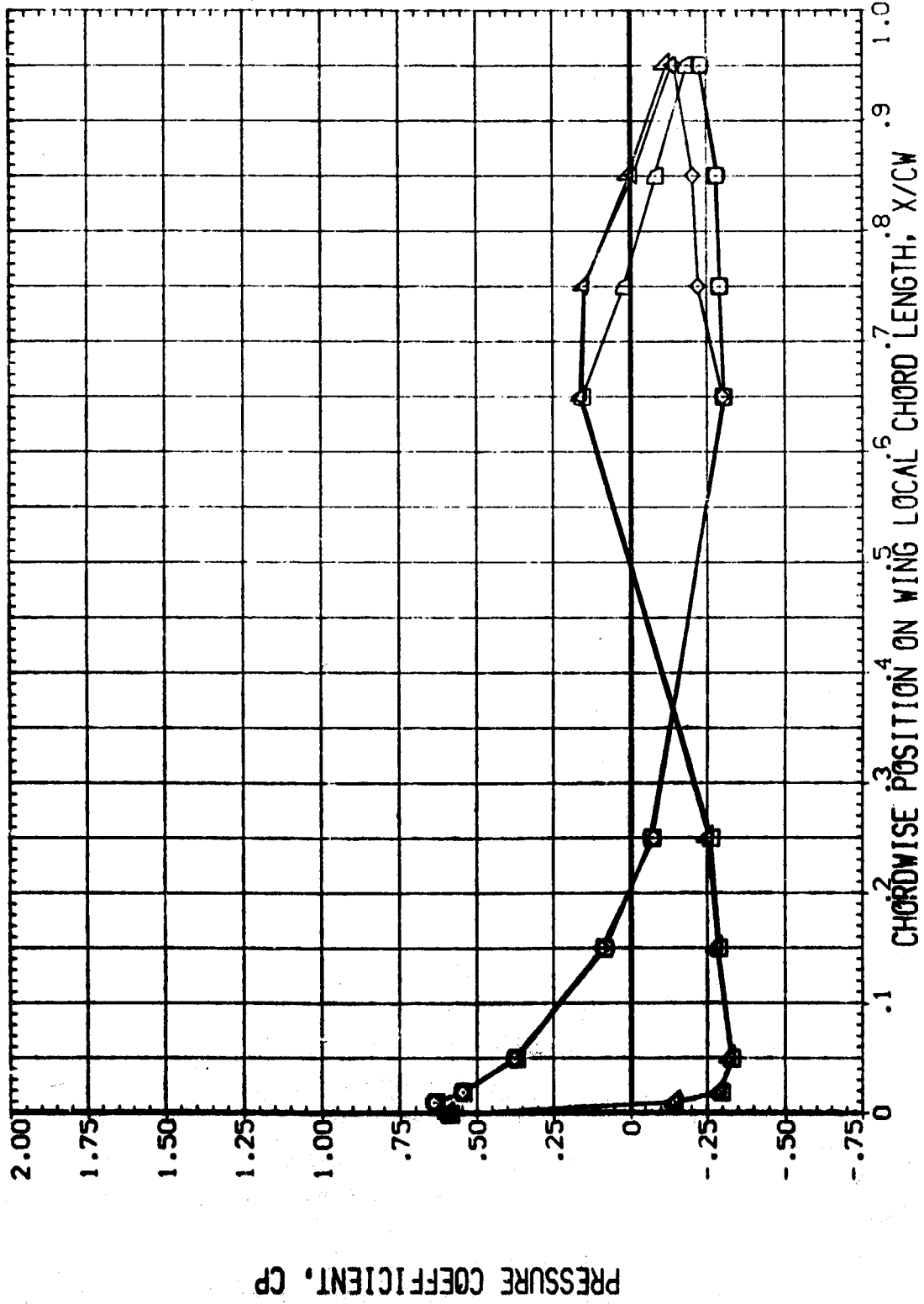


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .780 PAGE 12.1

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IET008)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(IET009)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(IET010)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000
(IET011)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(IET012)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(IET013)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000
(IET014)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000

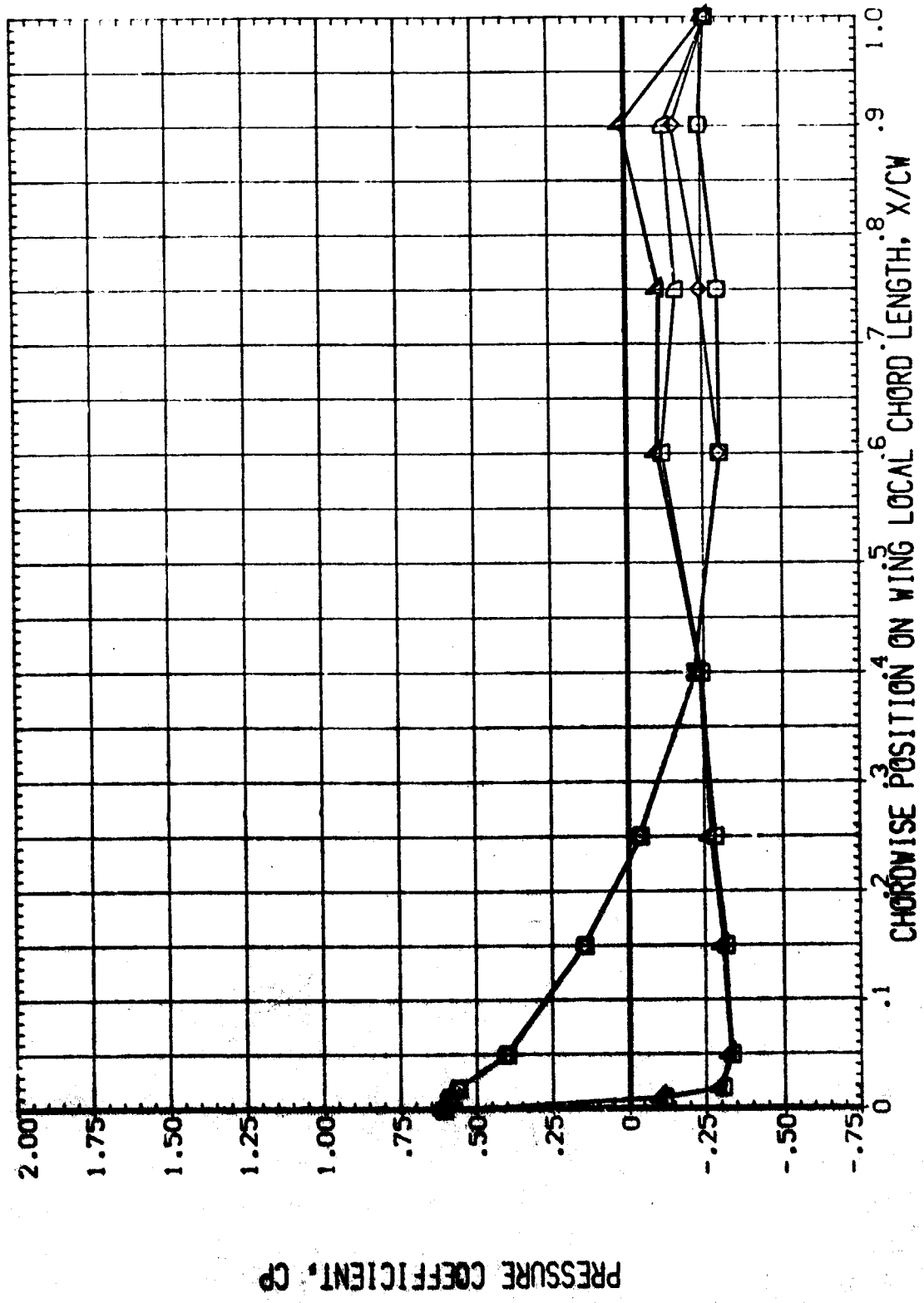


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA= -4.000 BETA= -4.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL39)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

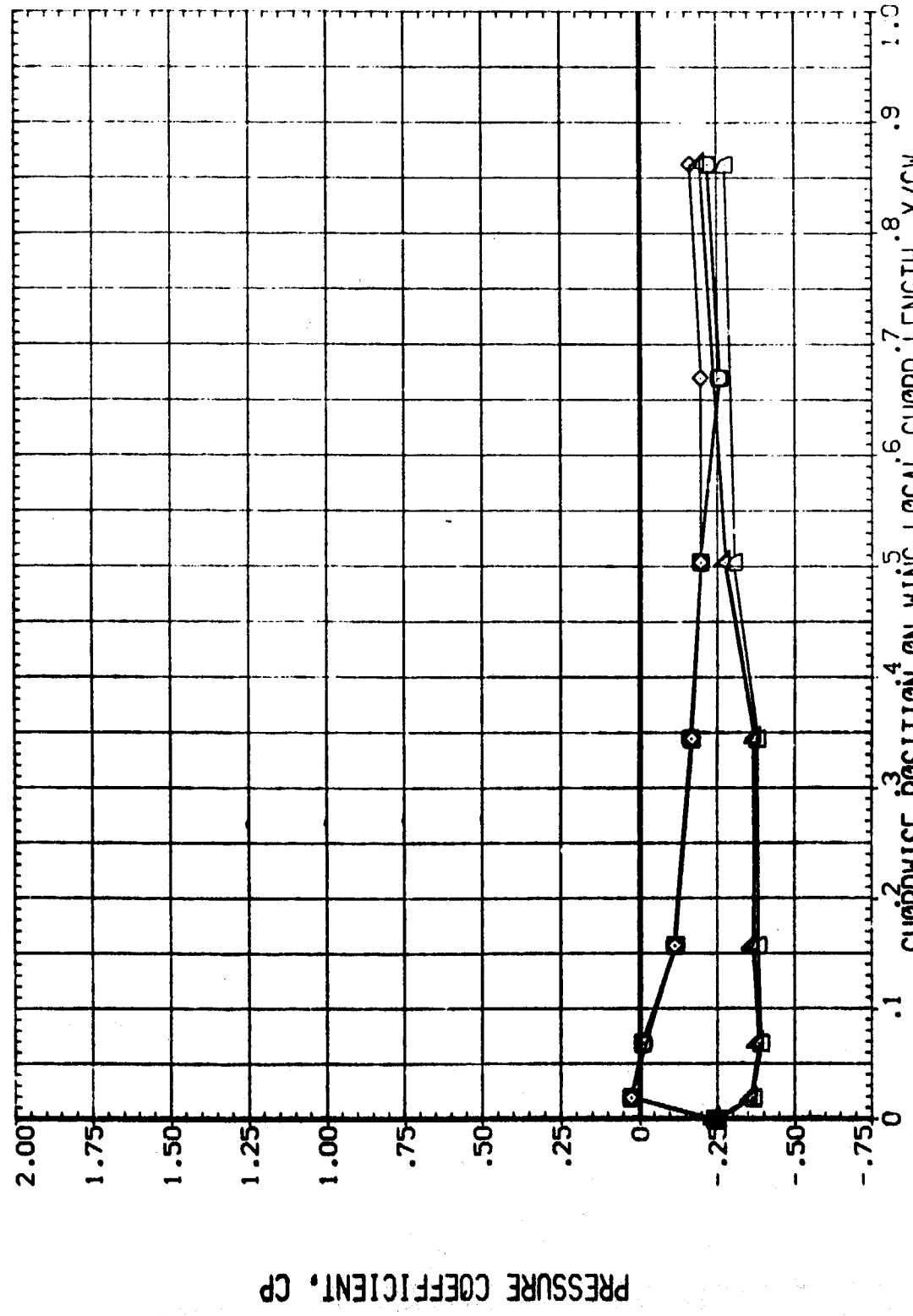
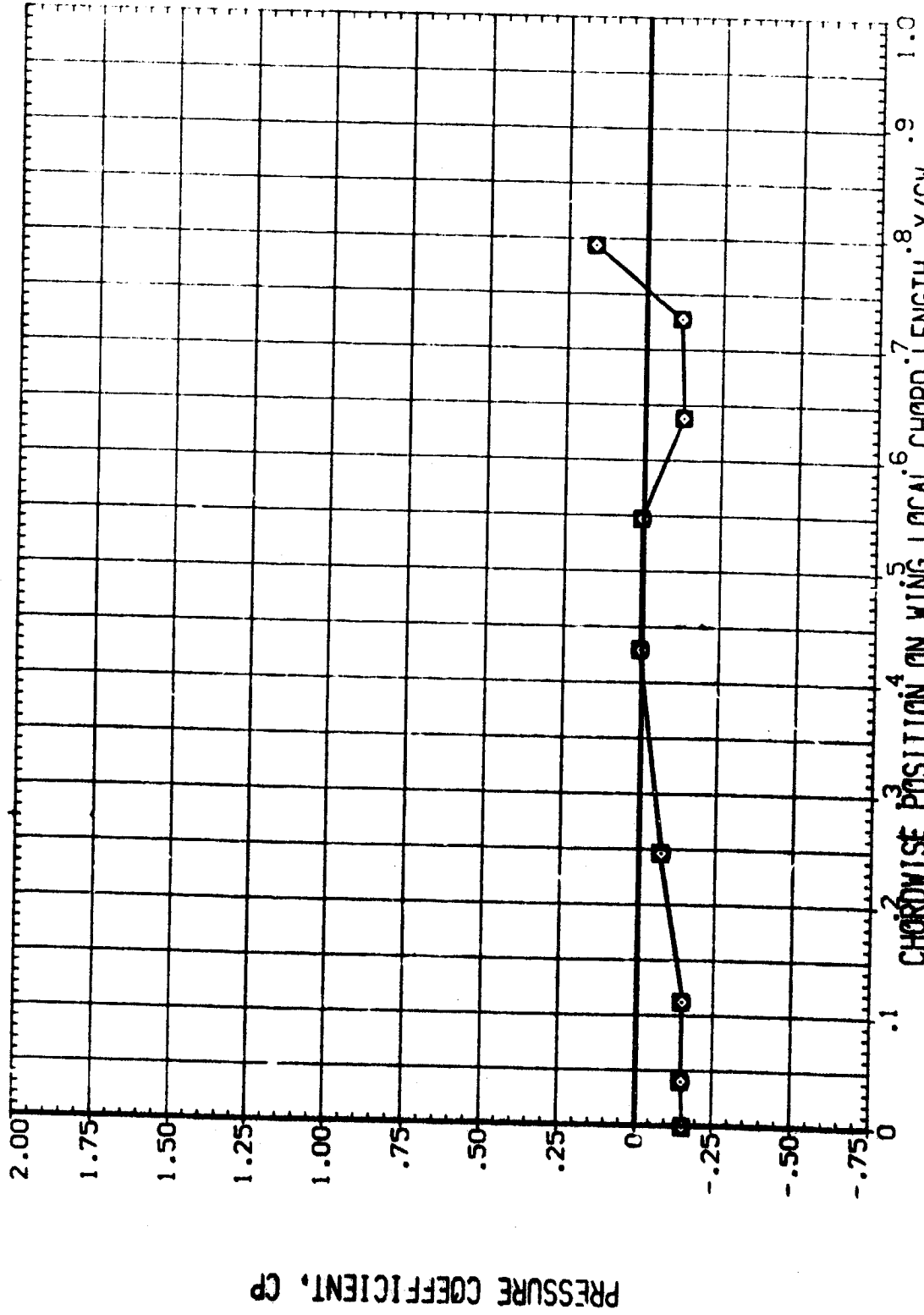


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55
 ALPHA= -4.000 BETA= -4.000 Y/BW = .972 PAGE :2:13

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(1ETU39) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP
 (1ETU43) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP
 (1ETU75) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP
 (1ETL38) DATA NOT AVAILABLE
 (1ETL43) DATA NOT AVAILABLE
 (1ETL35) DATA NOT AVAILABLE

MACH ELV-1B RN/FT ELV-0B
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA = -4.000 BETA = .000 Y/BW = .235 PAGE 1214

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU31)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU32)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU33)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

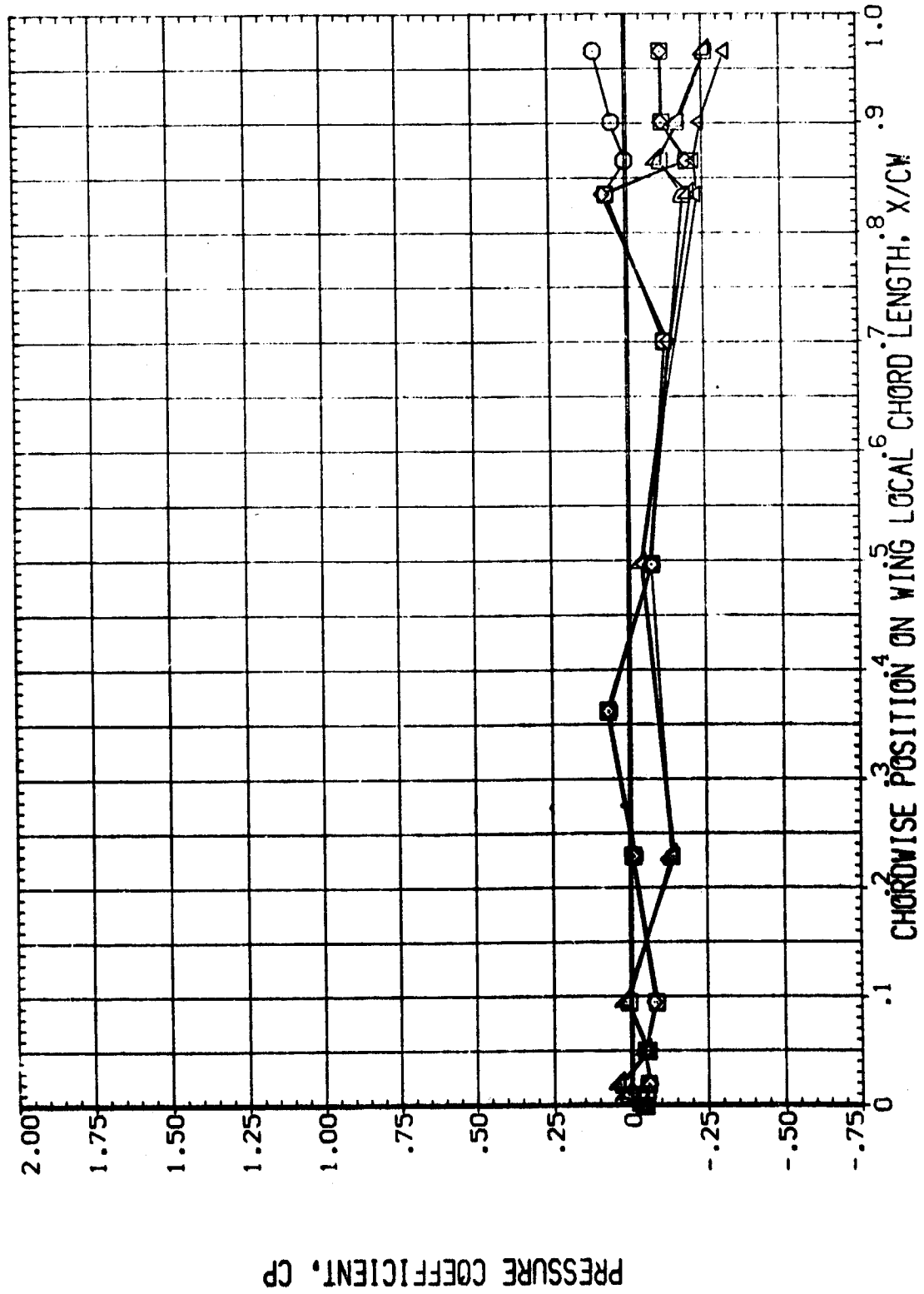


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA= -4.000 BETA= .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU09)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000

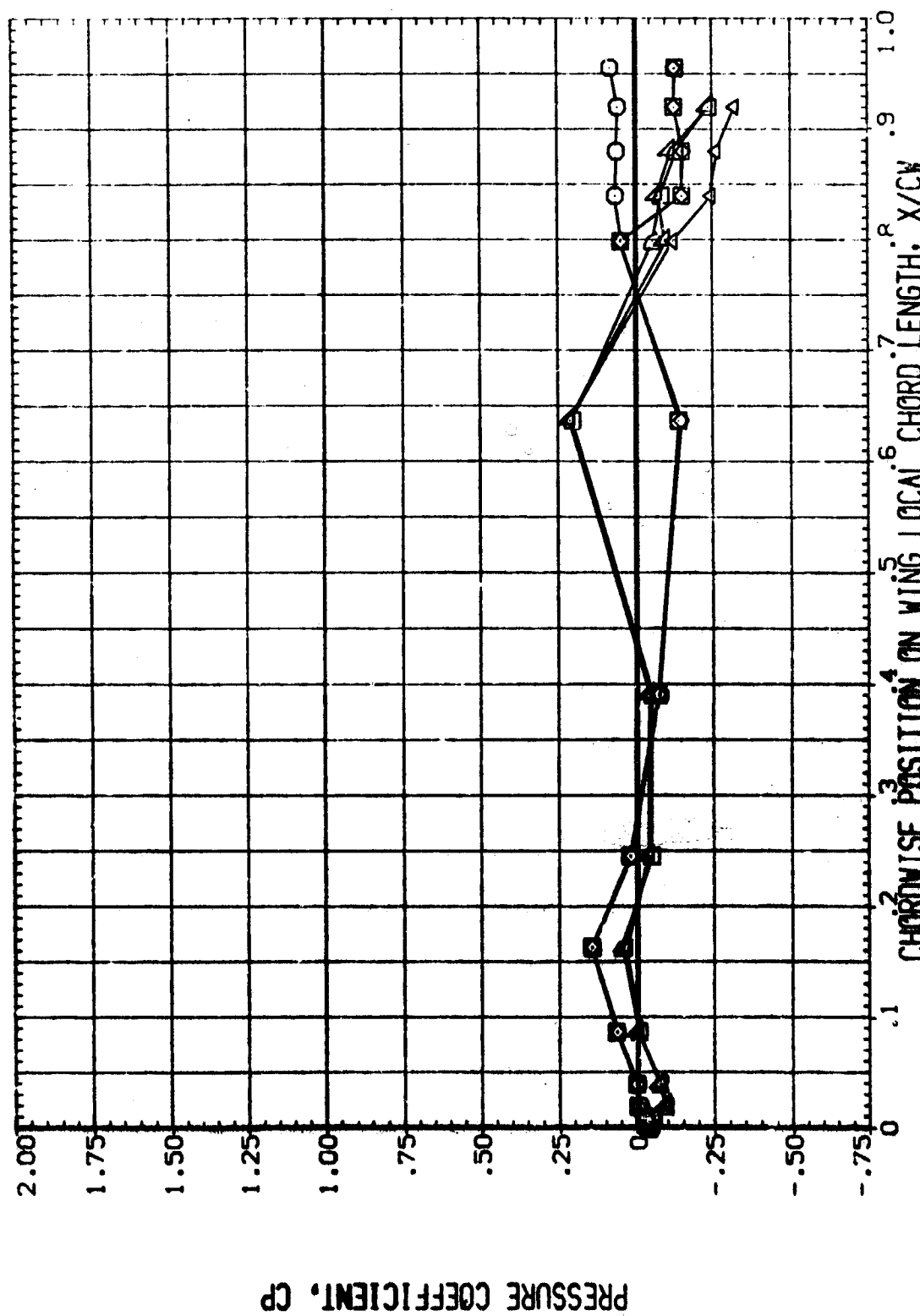
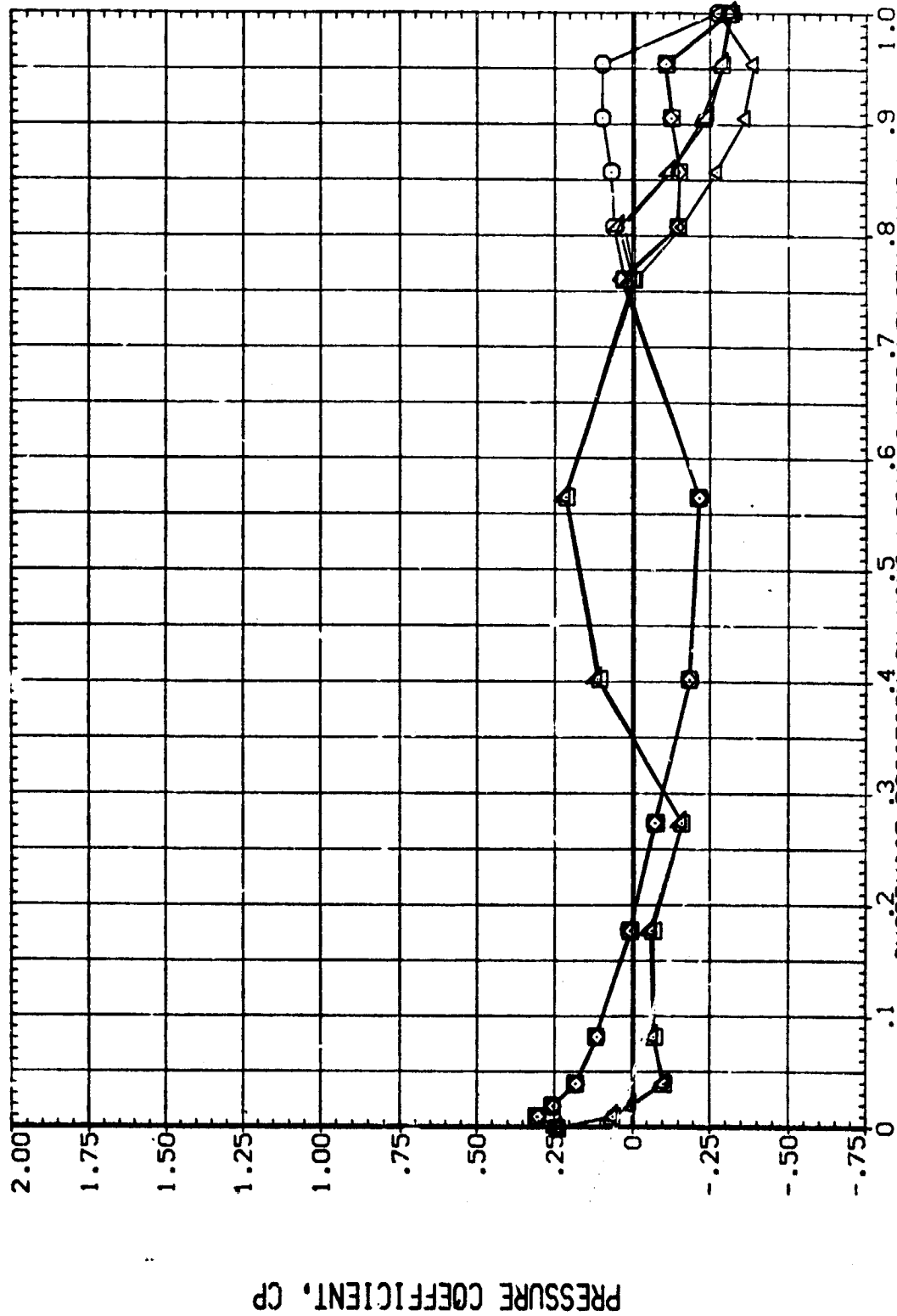


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU39)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL29)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

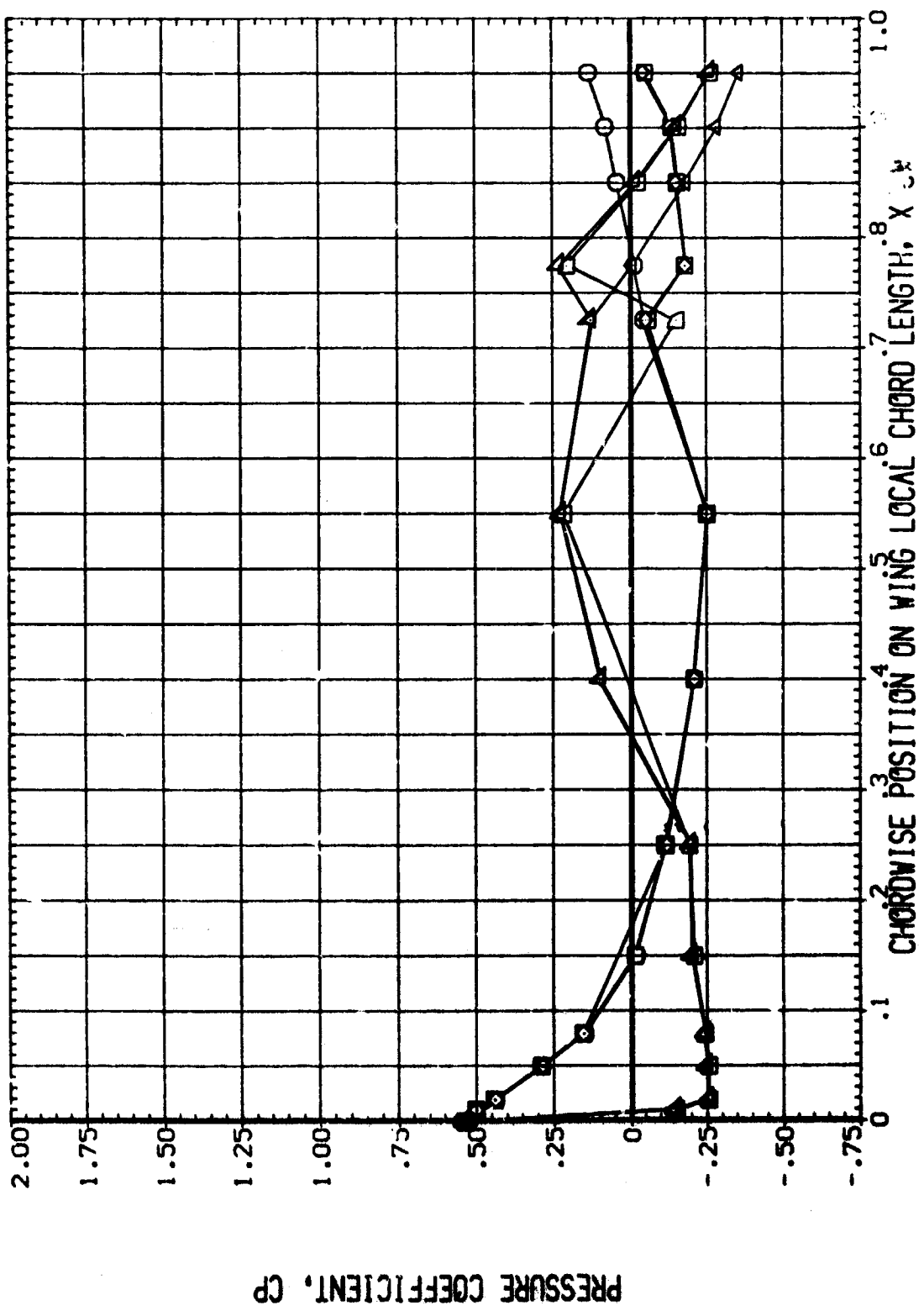


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-OR
(1ETU39)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL38)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

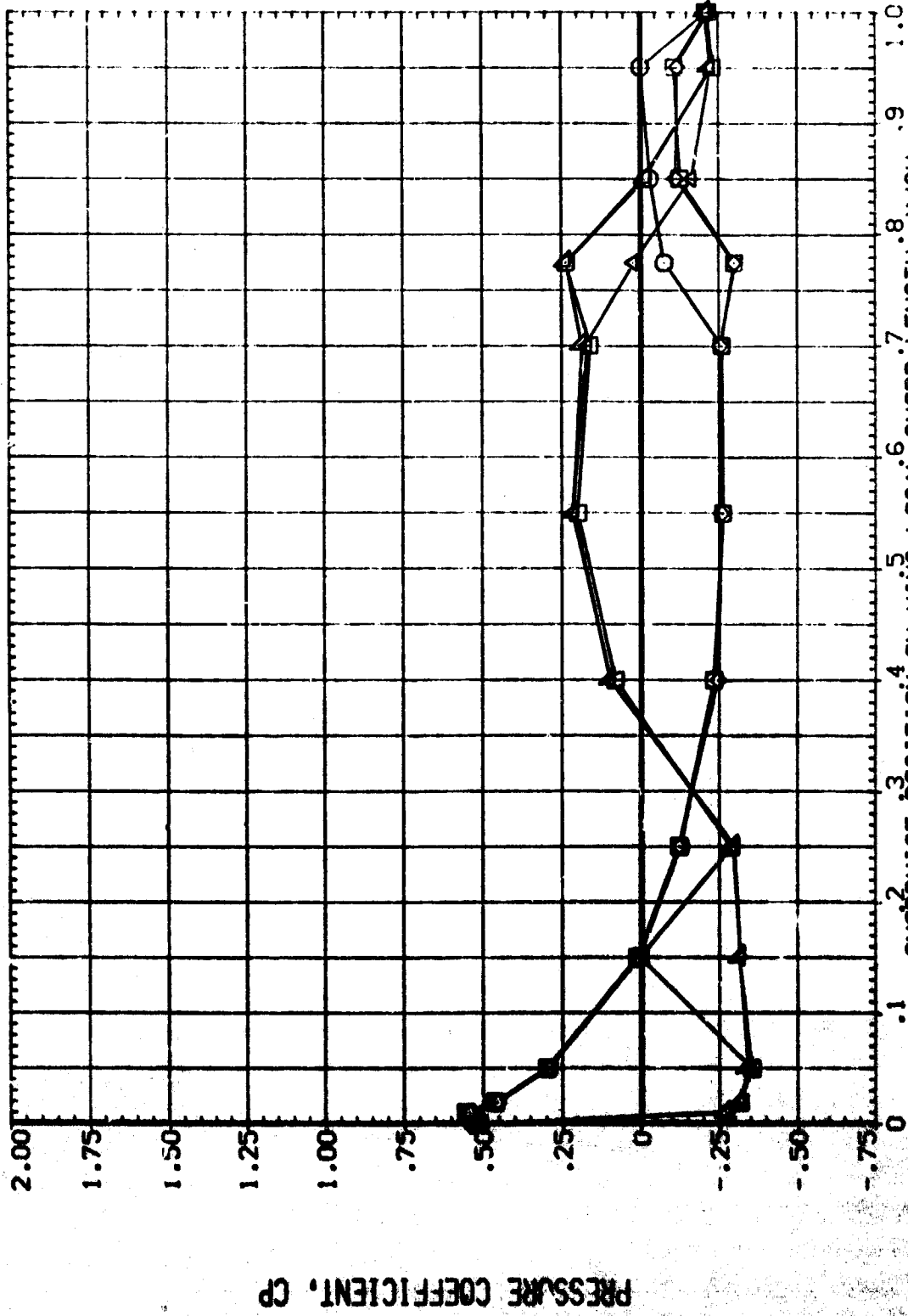


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	.000	2.500	.000
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	8.000	2.500	.000
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	8.000	2.500	-4.000
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	.000	2.500	.000
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	8.000	2.500	.000
ARC37-018 [AB]	LVP[ALL] (SEALED)	1.550	8.000	2.500	-4.000

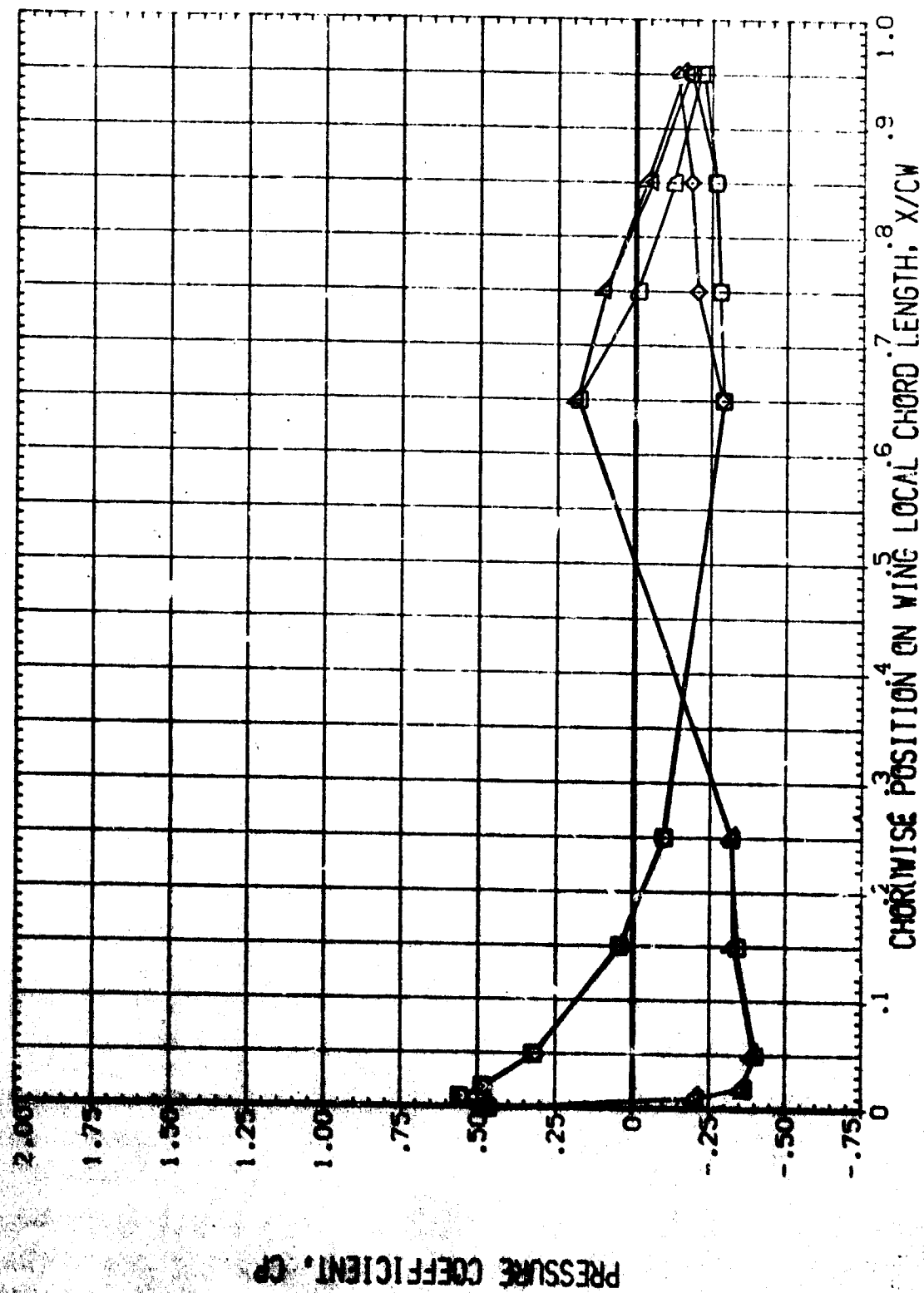


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA = -4.000 BETA = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(E1U33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(E1U33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(E1U33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(E1L33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(E1L33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(E1L35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

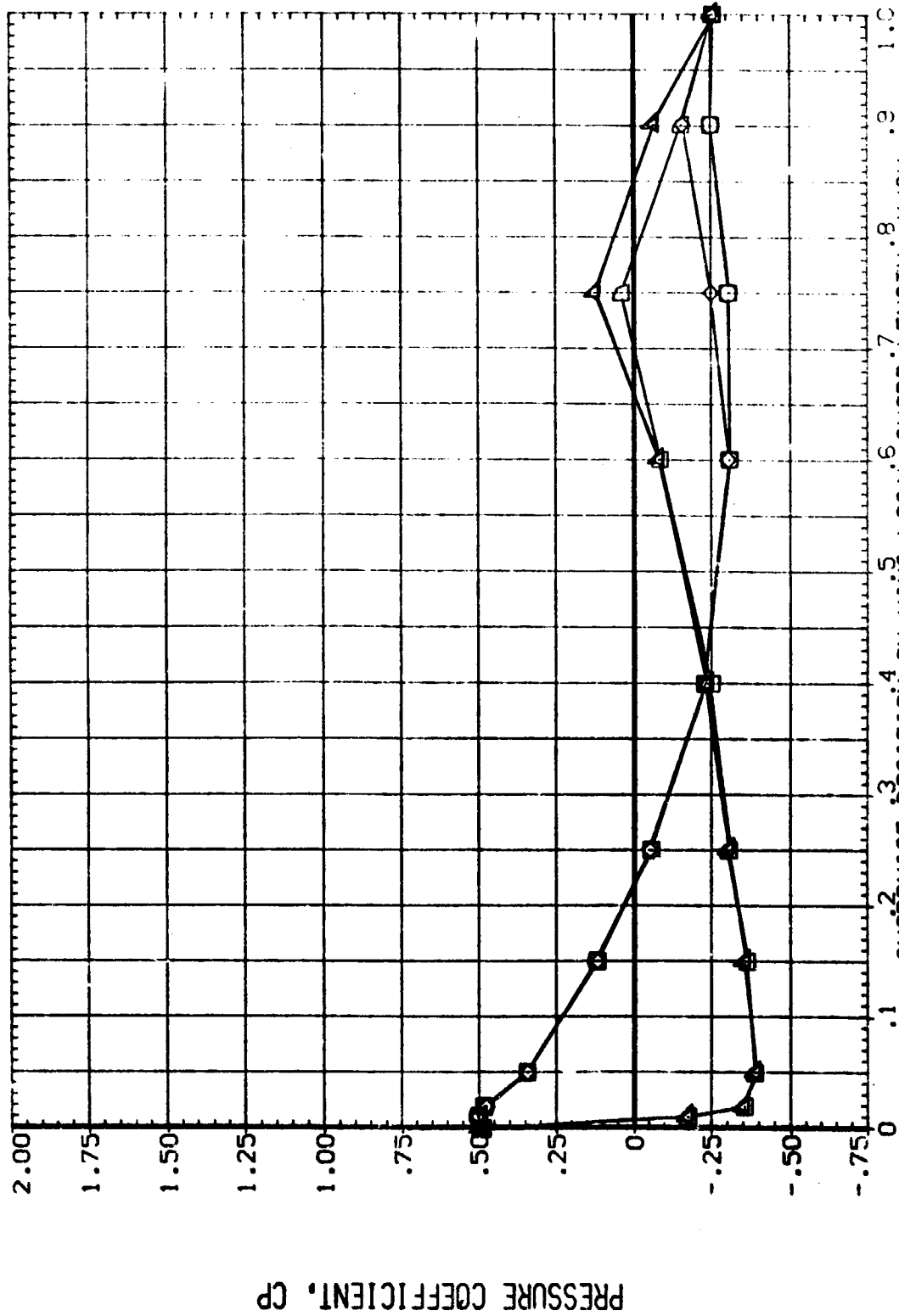


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = -4.000 BETA0 = .000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU09)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU32)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

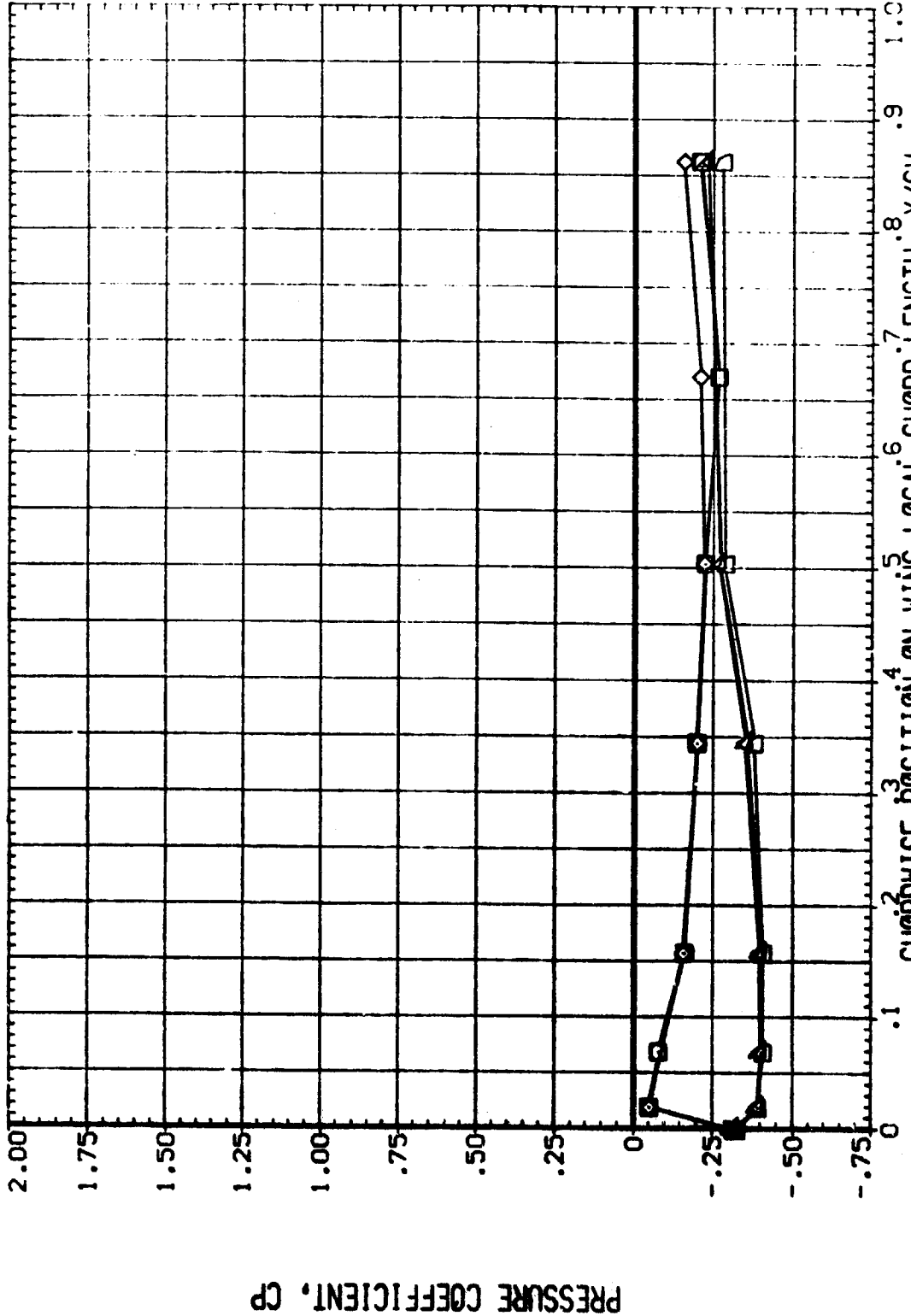
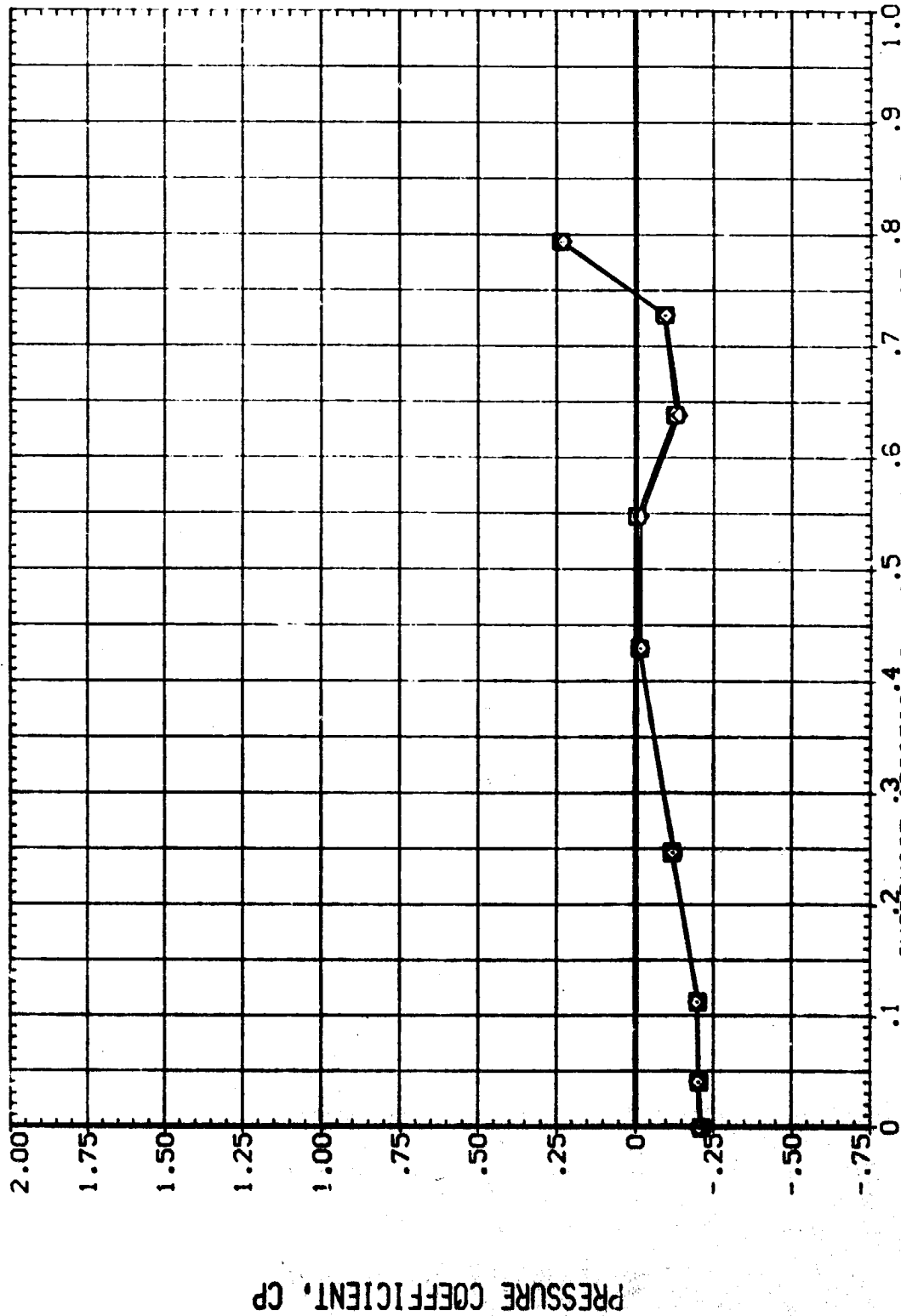


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = -4.000 BETA0 = .000 Y/BW = .972 PAGE 1222

DATA S/T SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-09
(IETU3)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU4)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU5)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL3)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL4)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETL5)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU39)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	.000	2.500	.000
(IETU43)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	8.000	2.500	-4.000
(IETL38)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	.000	2.500	.000
(IETL43)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 1.81 LVAP(ALLH SEALED)	1.550	8.000	2.500	-4.000

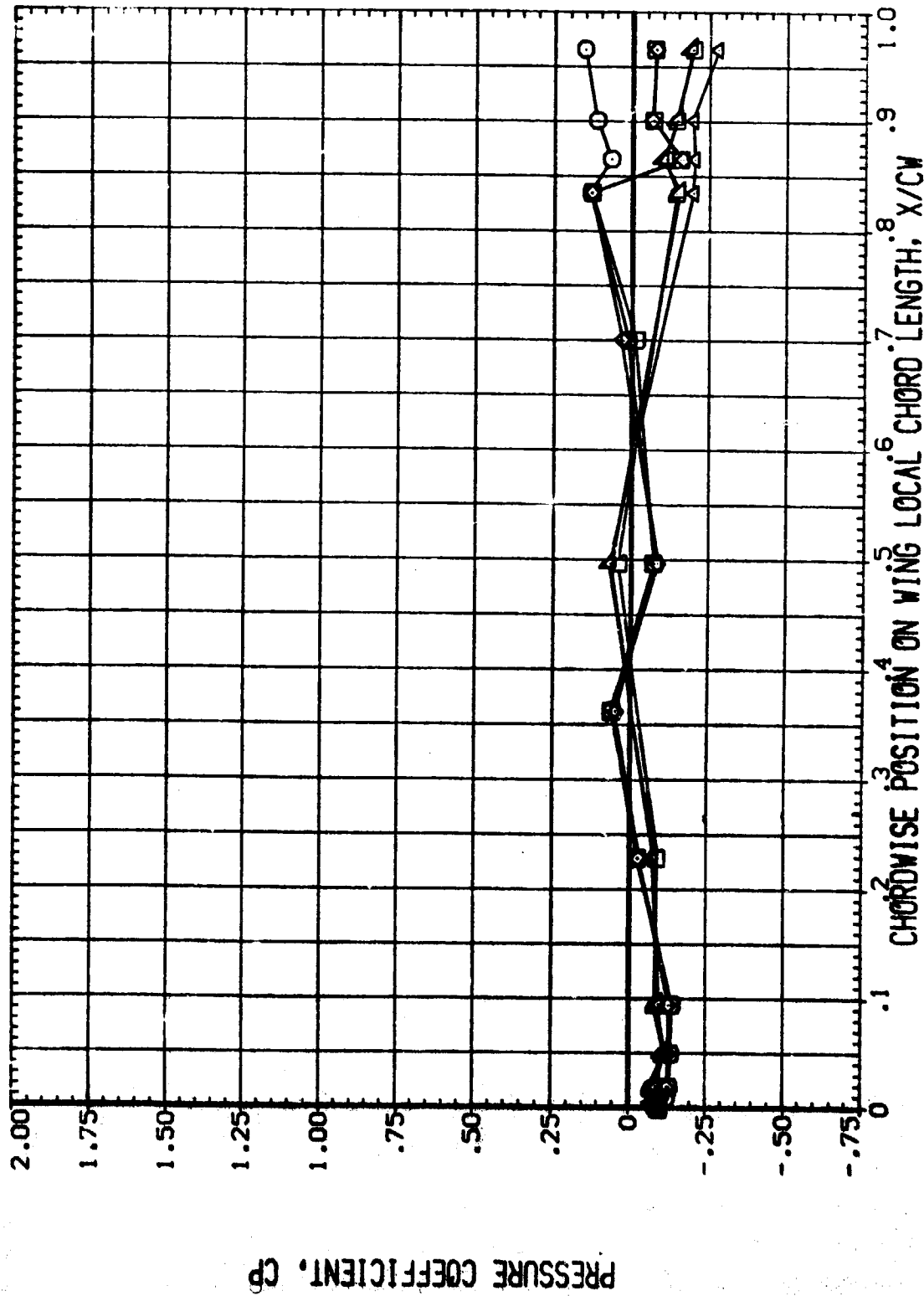


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL39)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

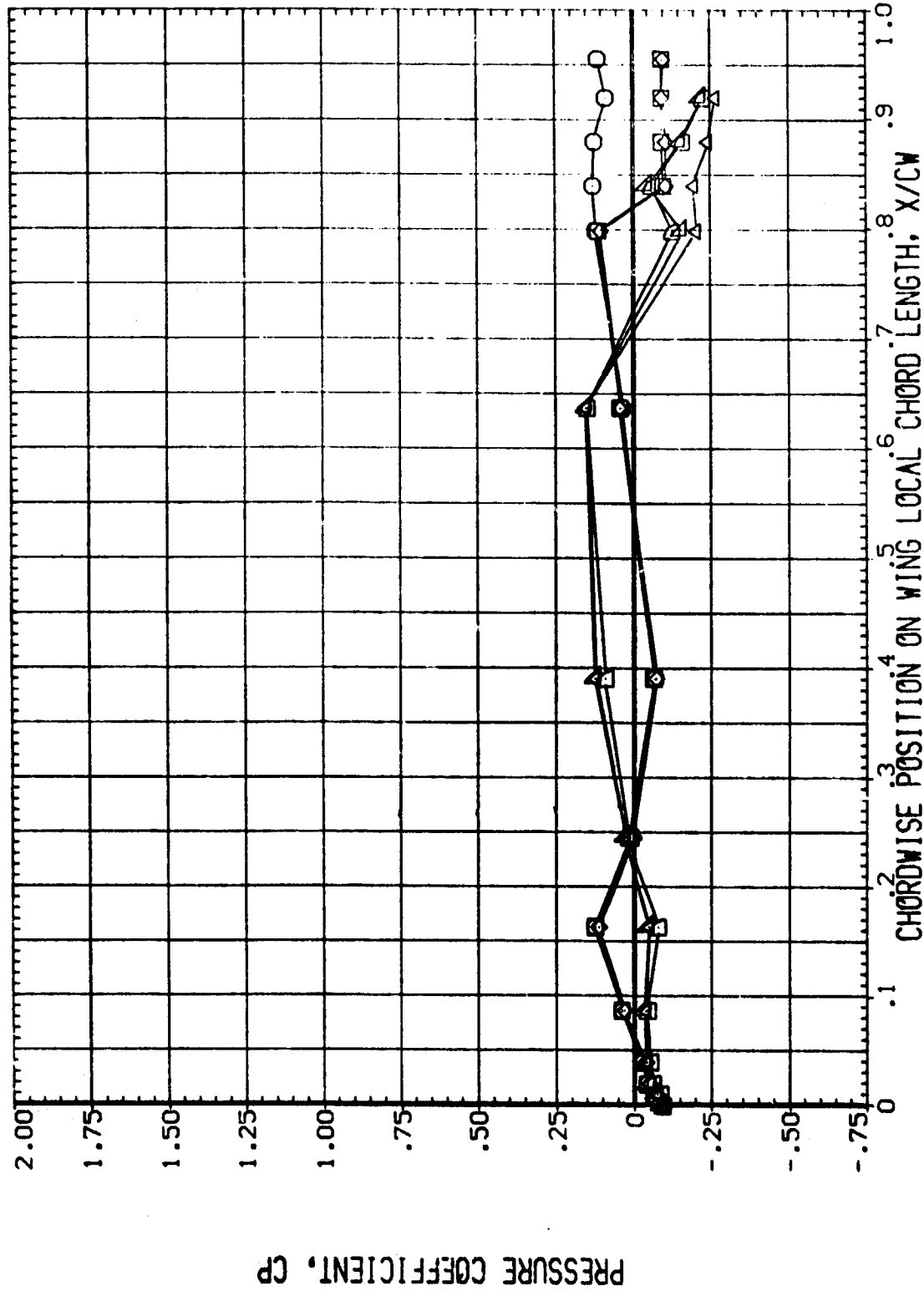


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

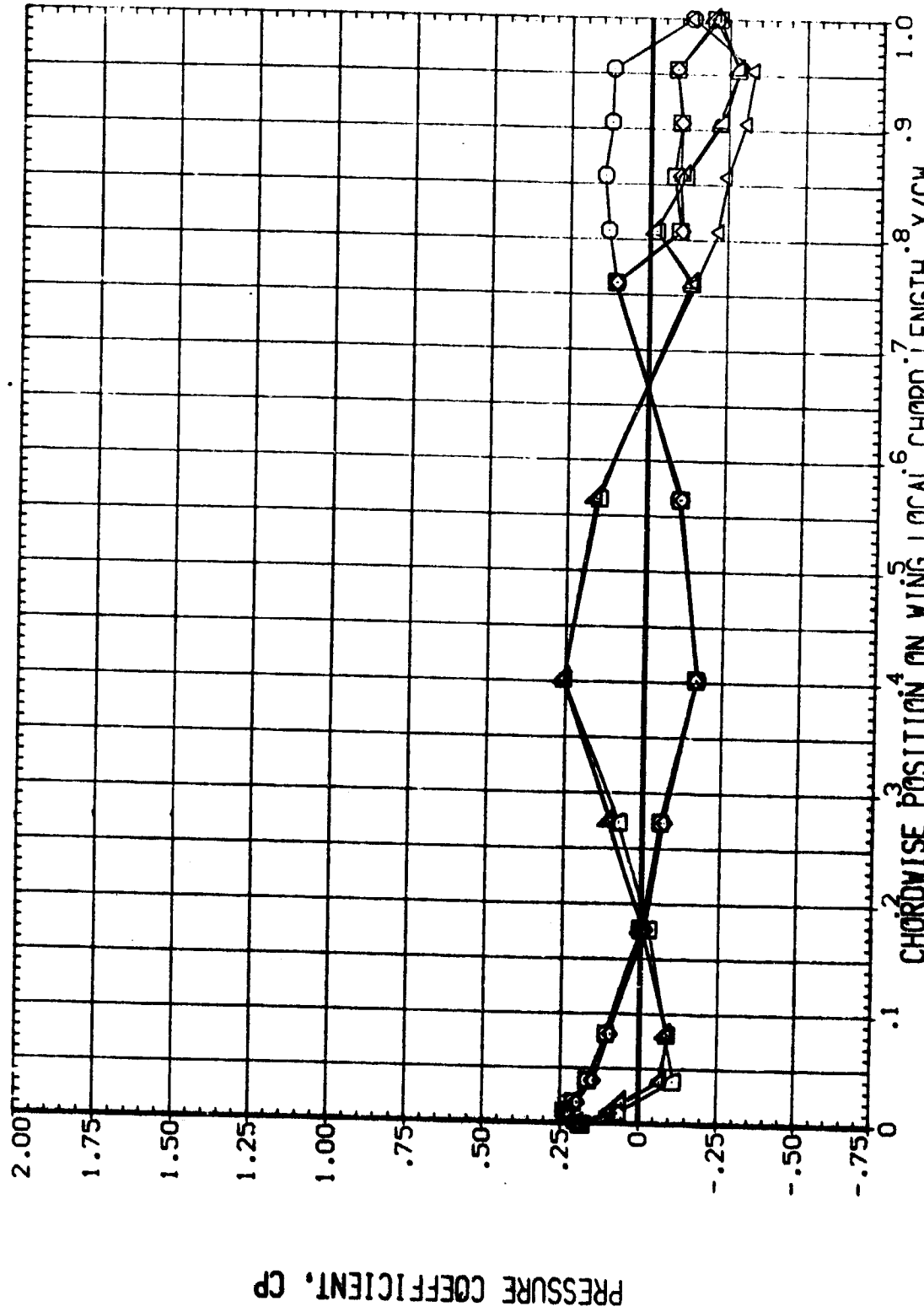


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000

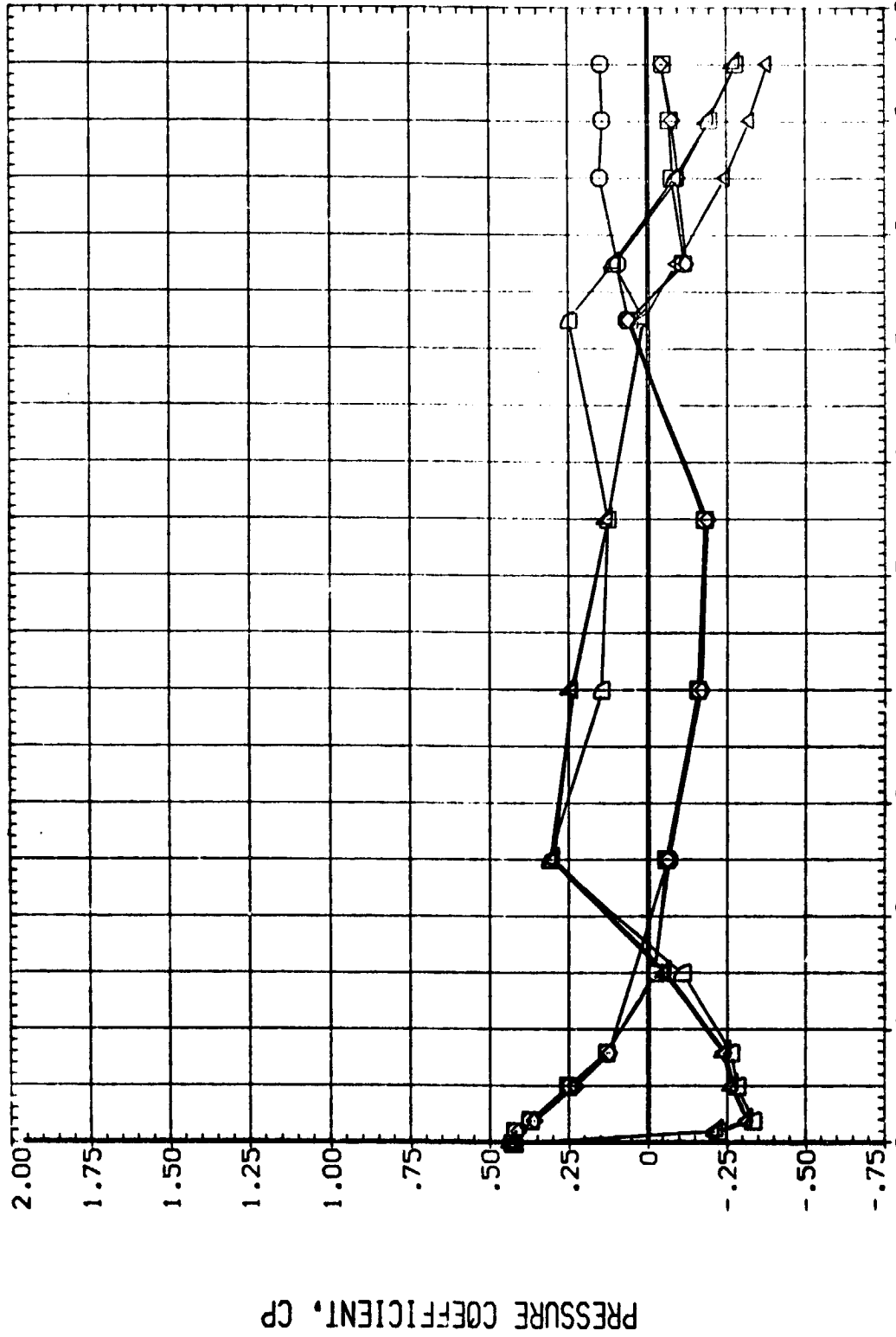


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

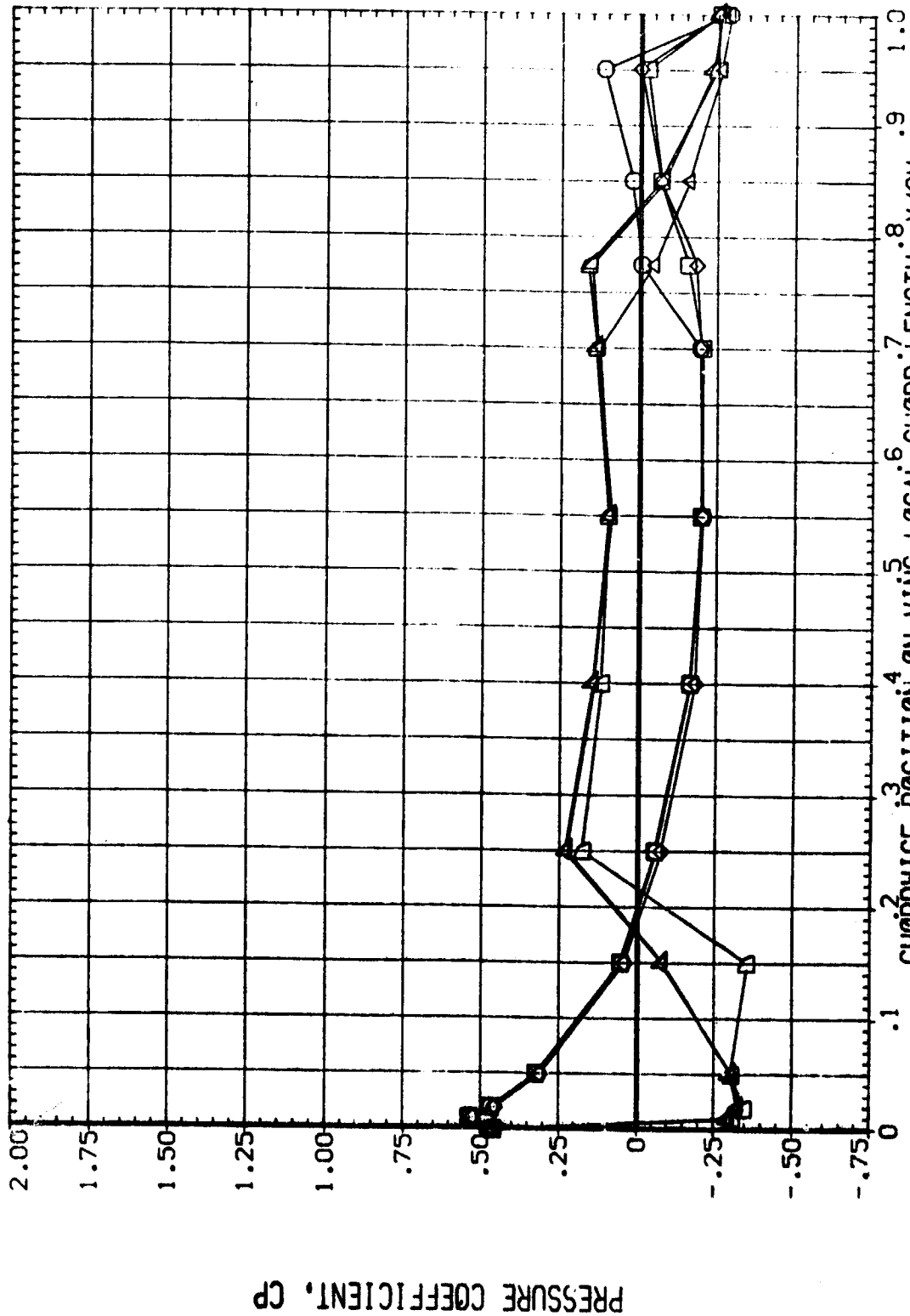
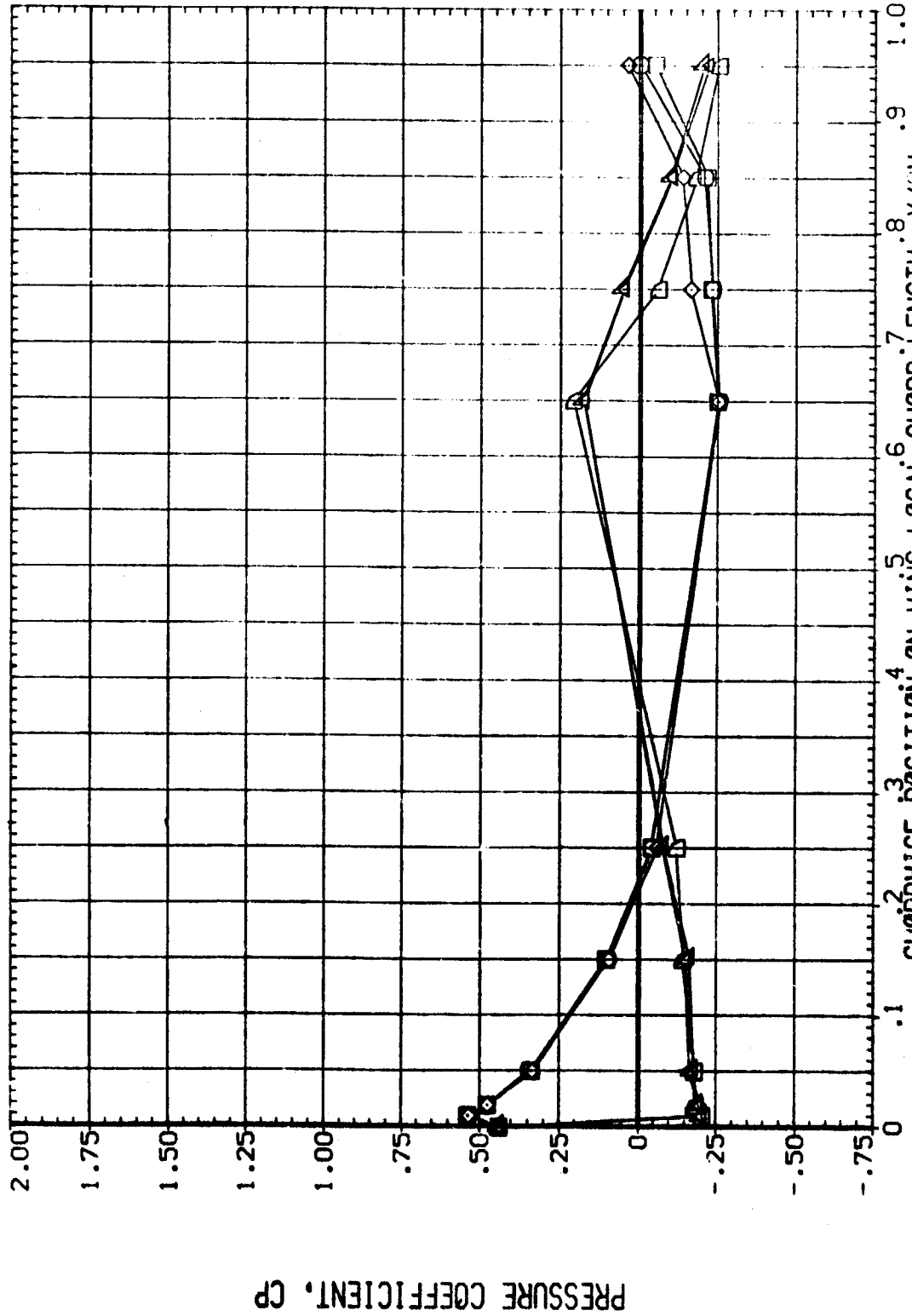


FIG. 65 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = -4.000 BETA = 4.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLML SEALED)	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .780 PAGE 1229

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

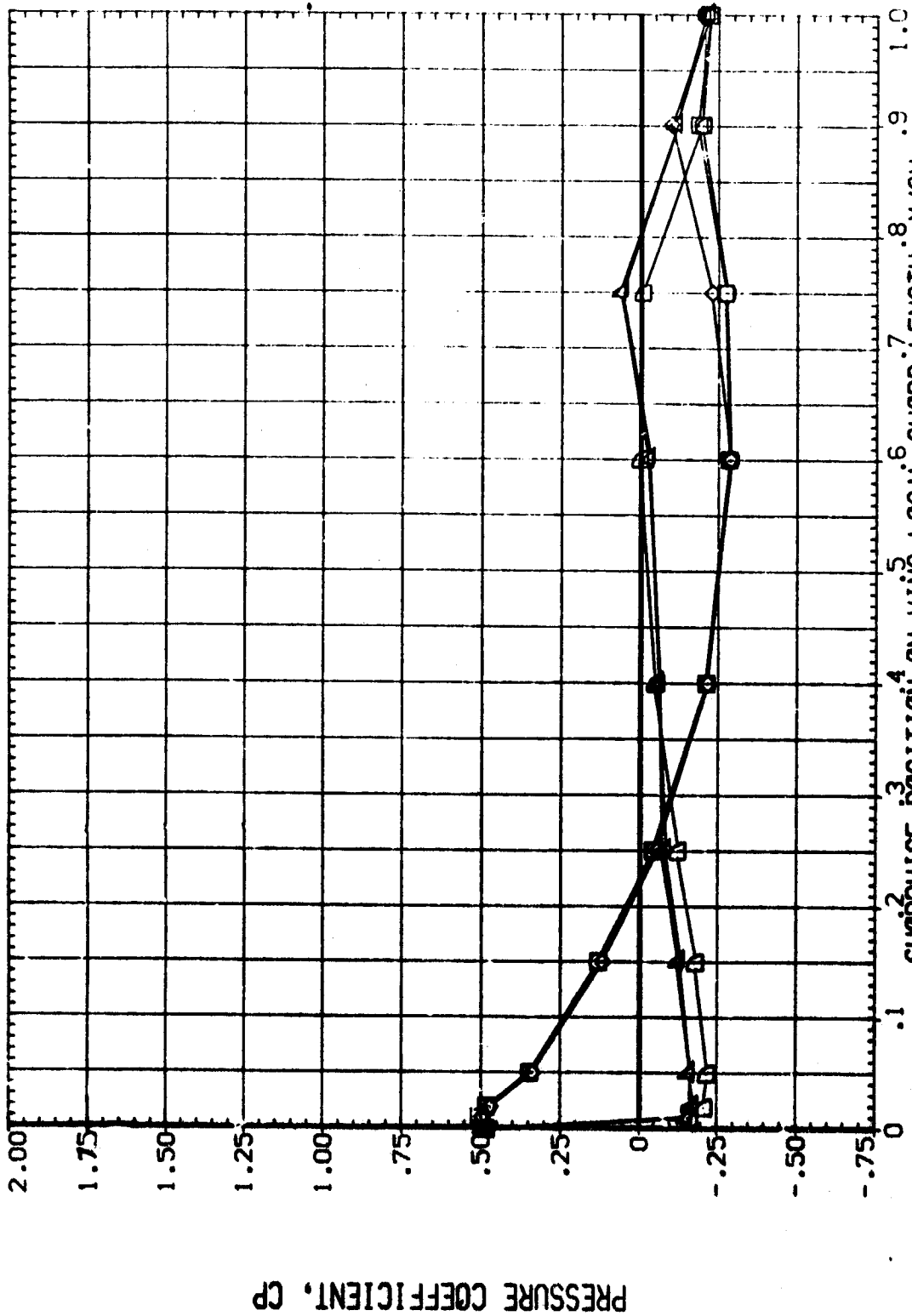


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

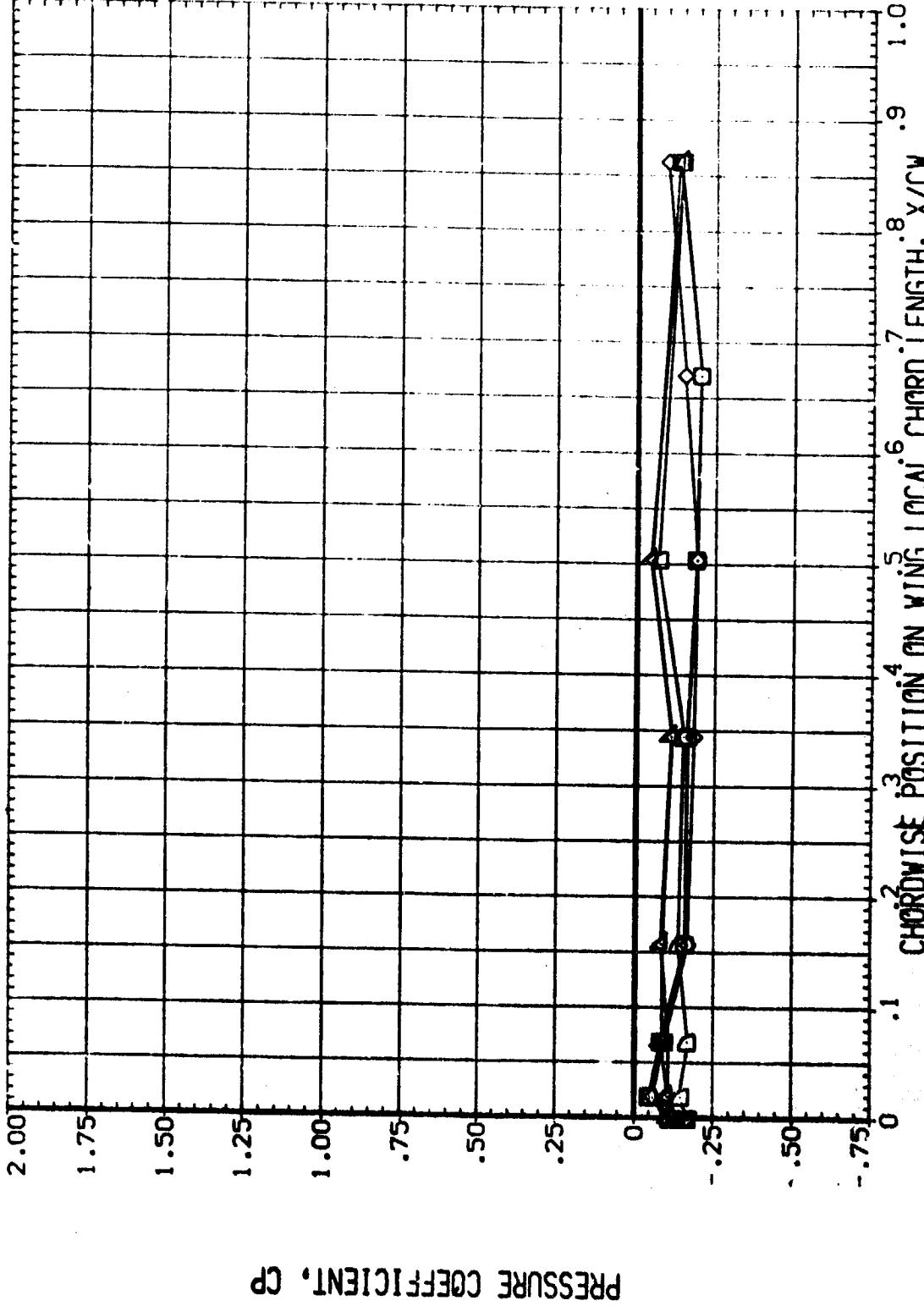


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .972 PAGE 1231

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B

(1ETU28) ARC37-019 IAS1 LVAP(L)H(L) SEALED) LEFT WING TOP
 (1ETU29) ARC37-019 IAS1 LVAP(L)H(L) SEALED) LEFT WING TOP
 (1ETU30) ARC37-019 IAS1 LVAP(L)H(L) SEALED) LEFT WING TOP
 (1ETL28) DATA NOT AVAILABLE
 (1ETL29) DATA NOT AVAILABLE
 (1ETL30) DATA NOT AVAILABLE

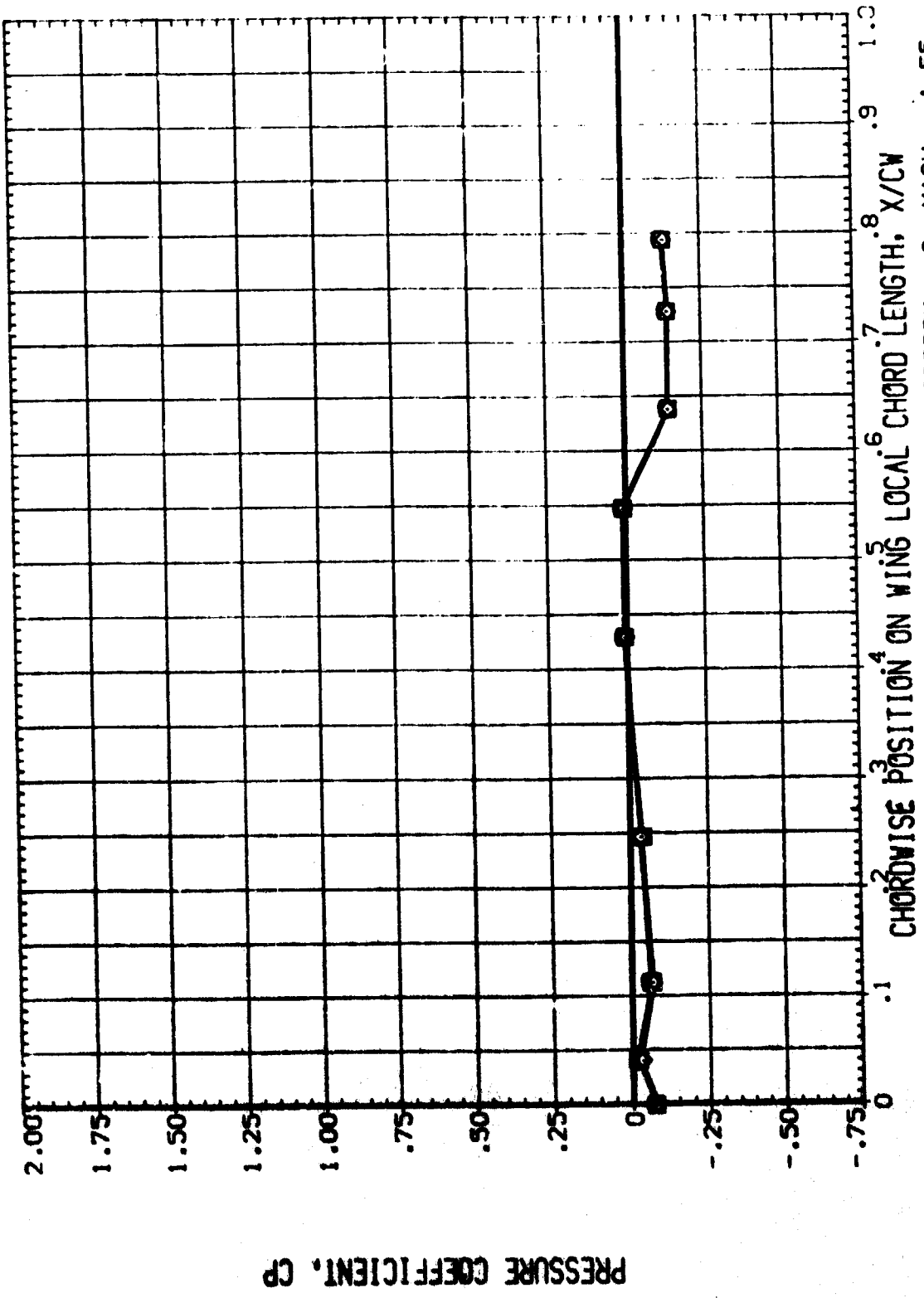


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA = .000 BETA = -6.000 Y/BW = .235 PAGE 1232

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

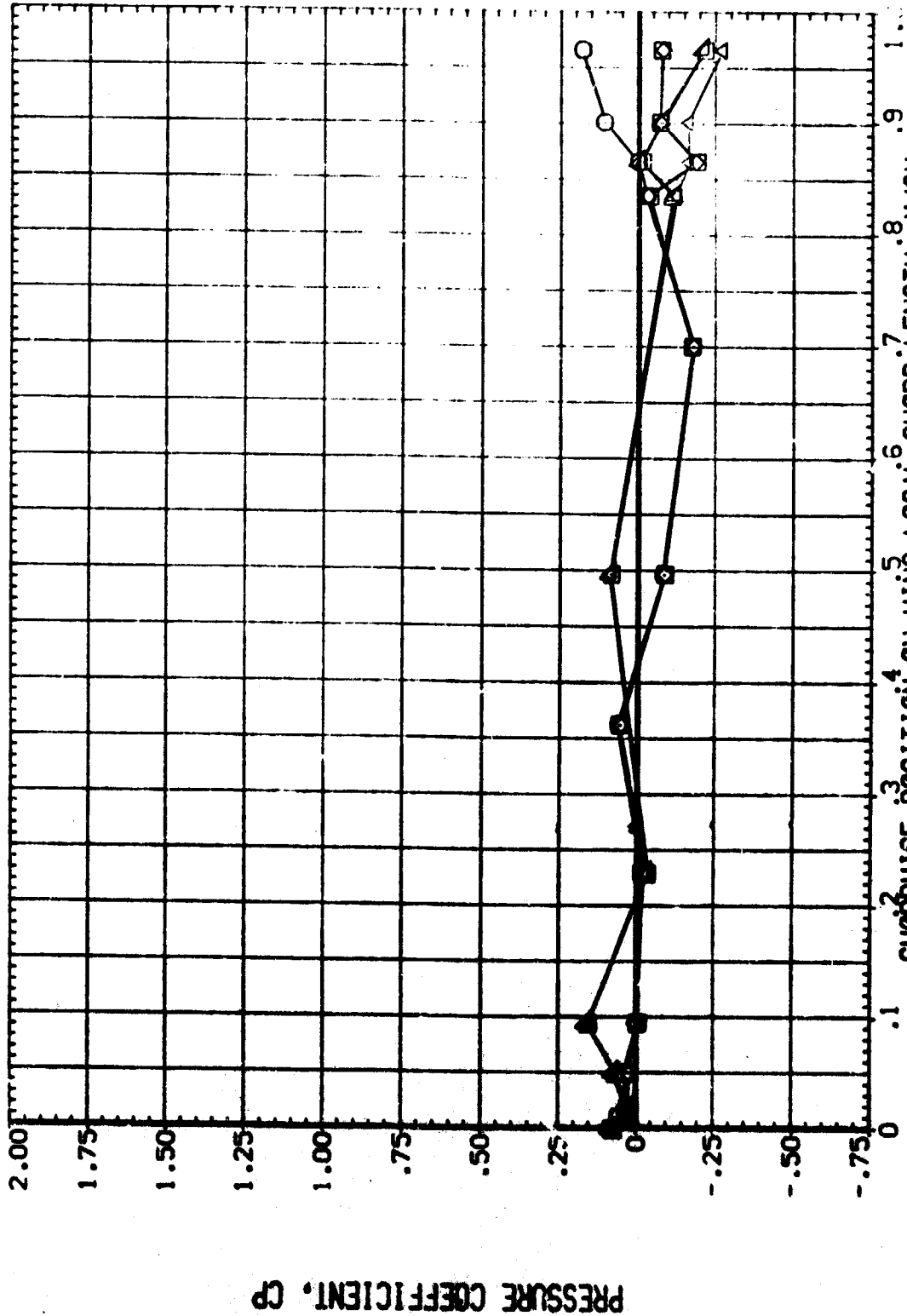


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA0 = .000 BETA0 = -6.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(1ETU08)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETU08)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000
(1ETL28)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETL95)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000

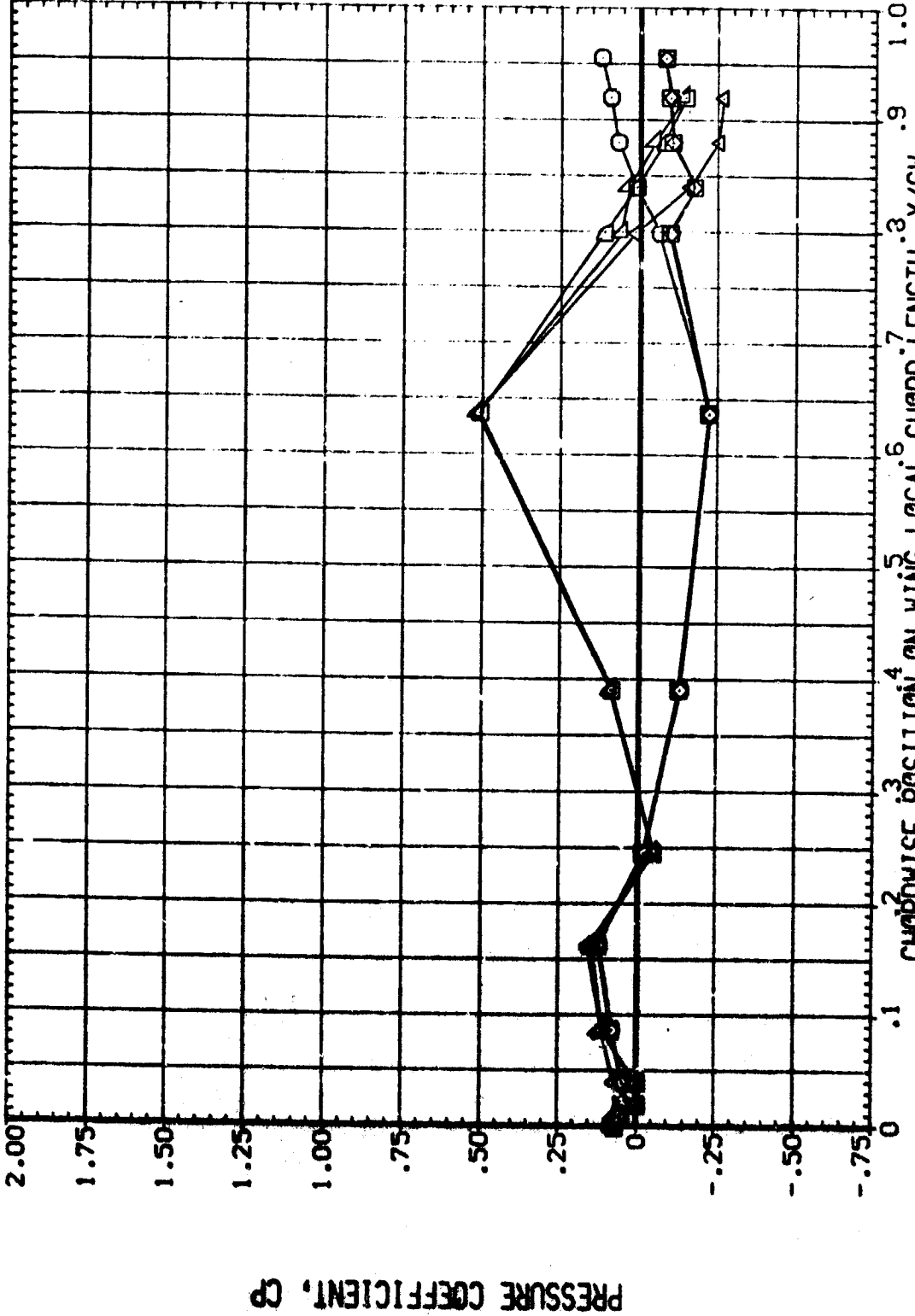


FIG. 65 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA = .000 BETA = -6.000 Y/BW = .364 PAGE 1234

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	.000	2.500	.000
(IETU47)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	.000
(IETU51)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	-4.000
(IETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	-4.000

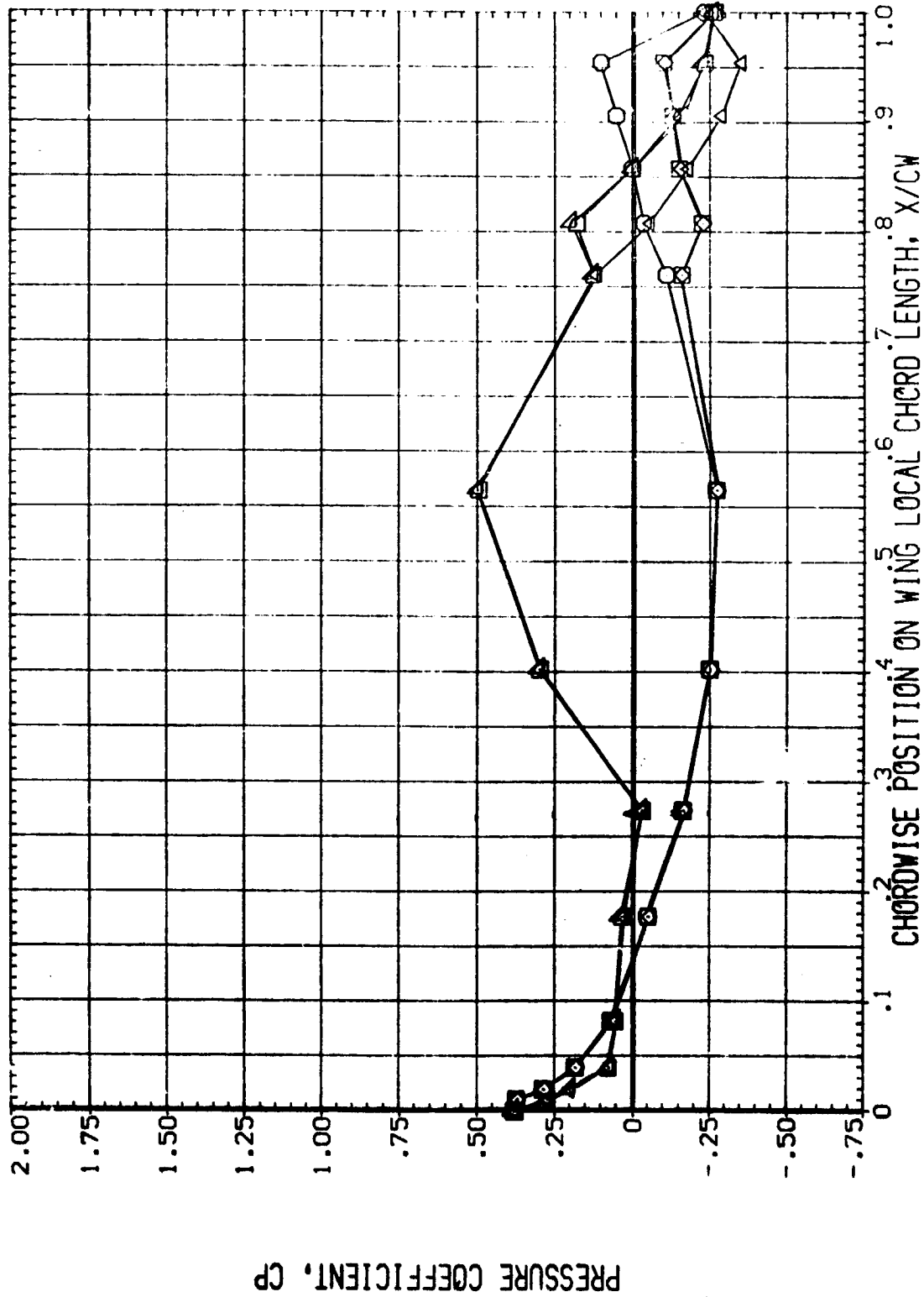
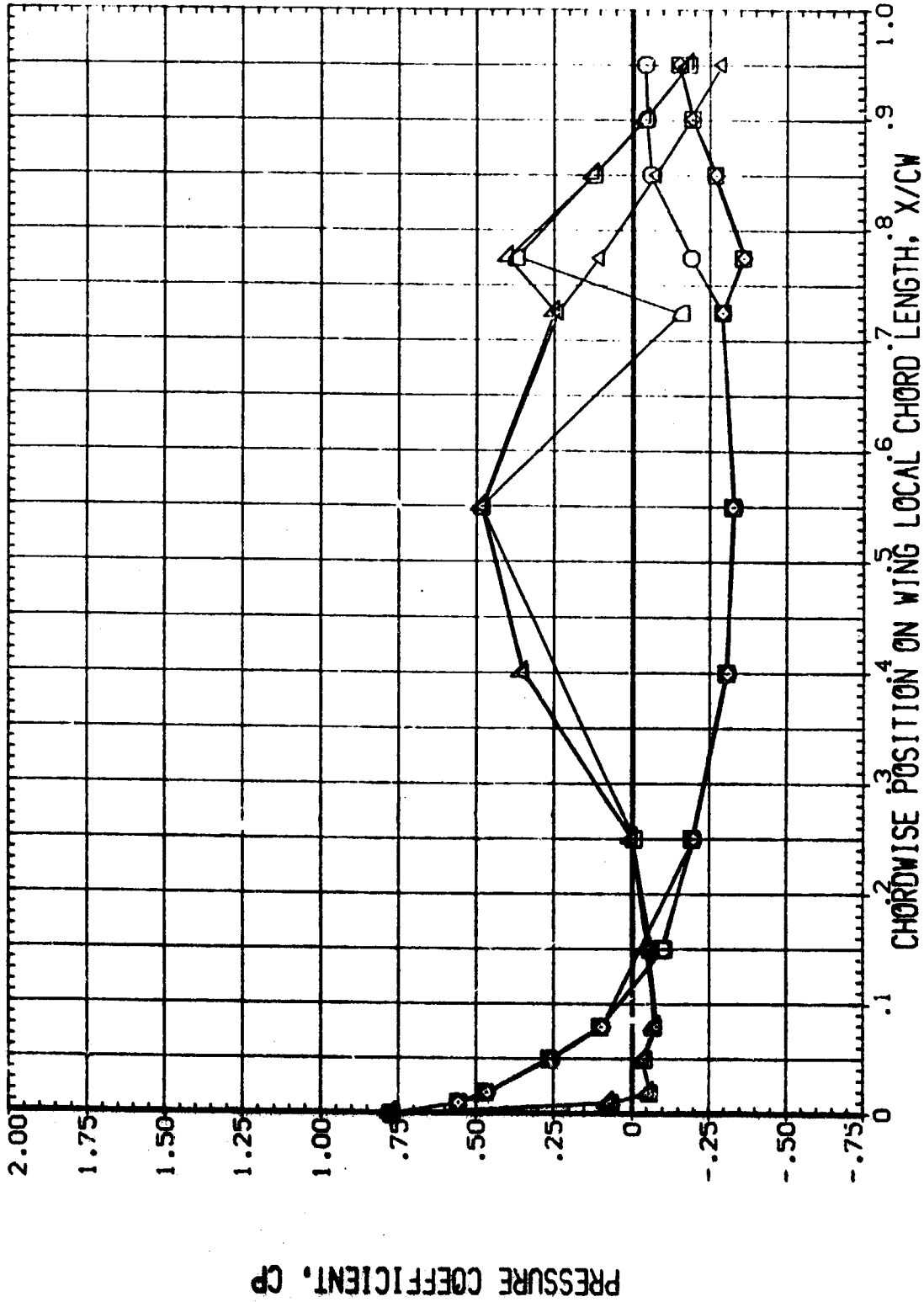


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = -6.000 Y/BW = .427 PAGE 1235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(TETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(TETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(TETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(TETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(TETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(TETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

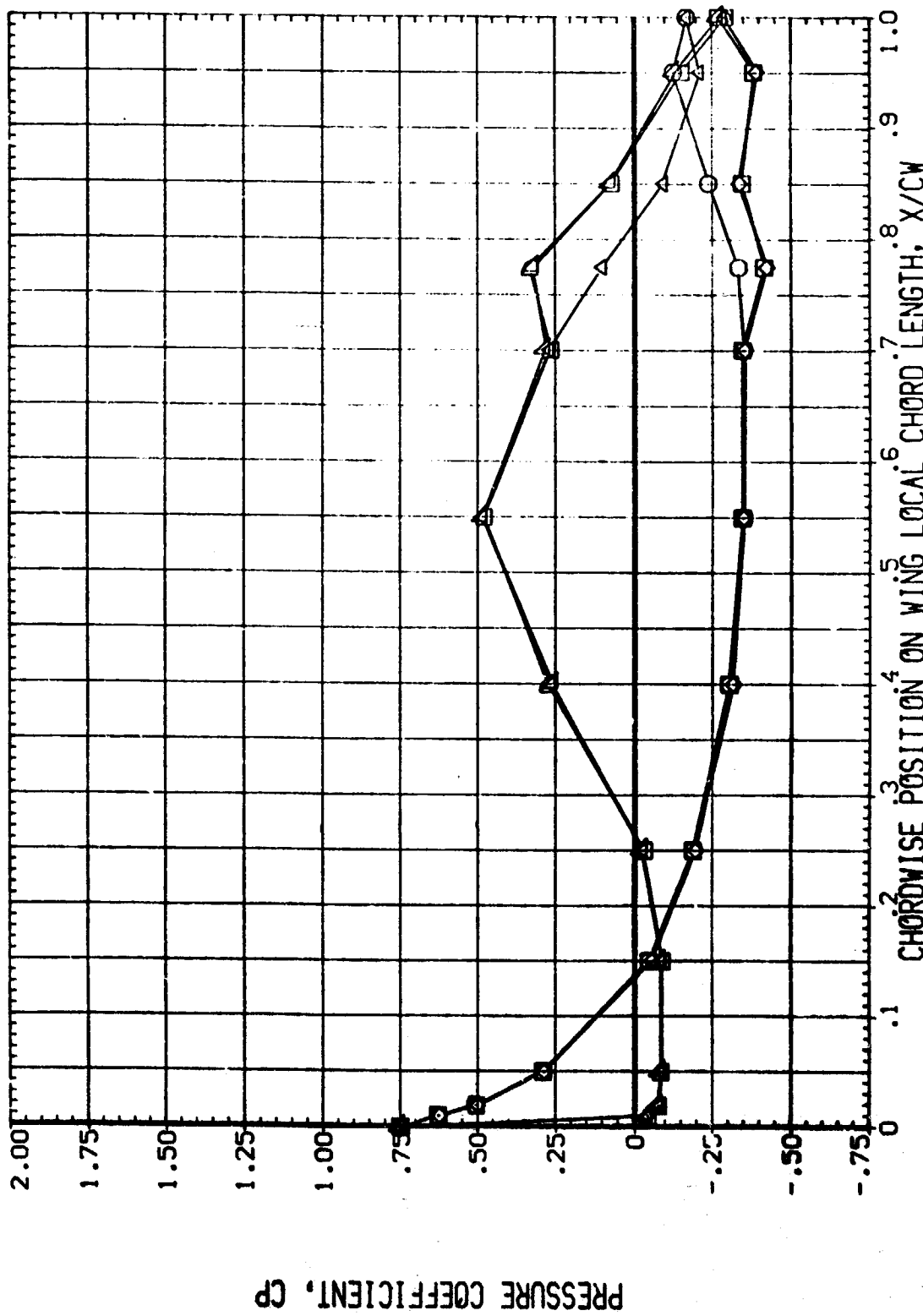


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU25)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

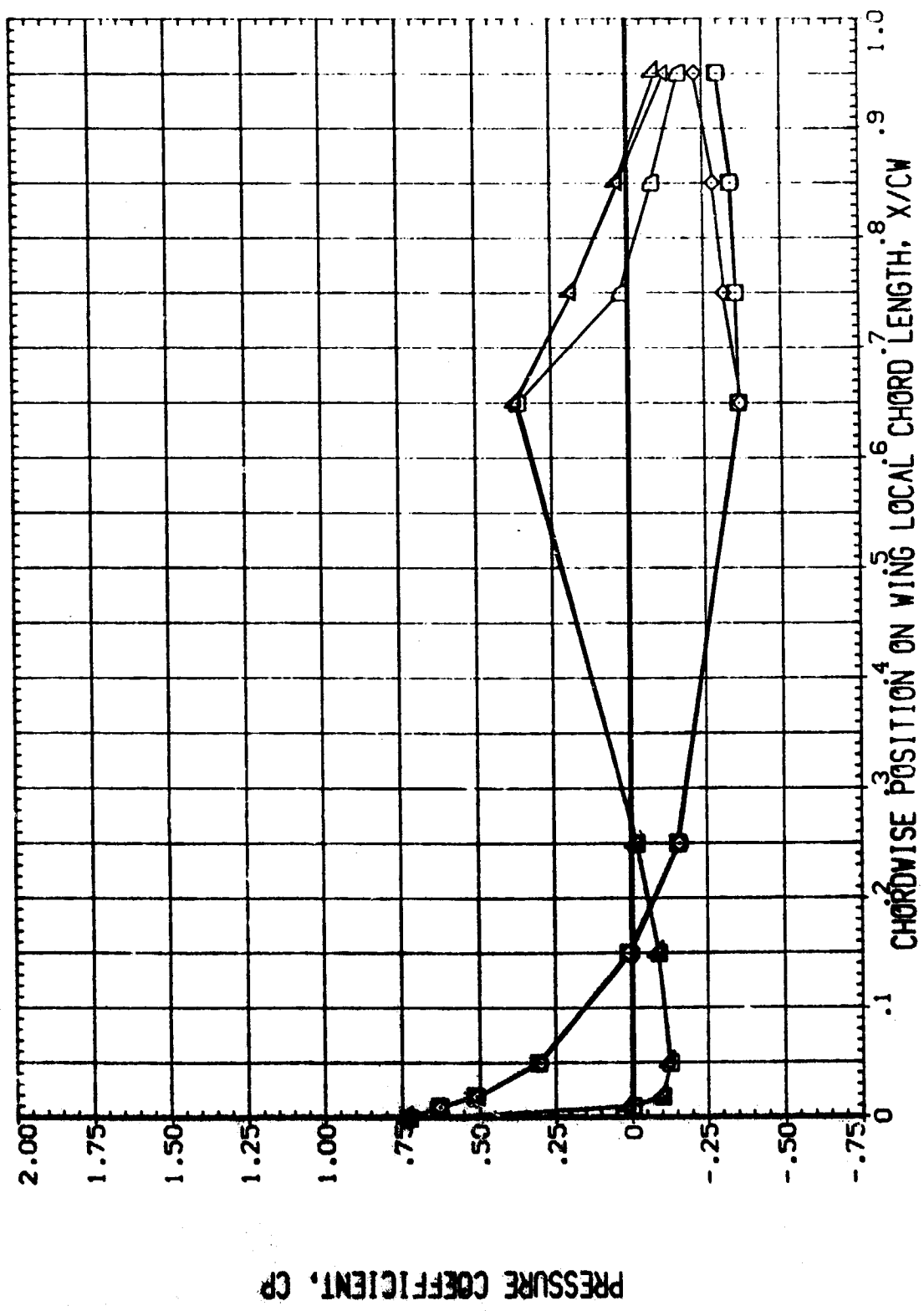


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 1.55
 ALPHA = .000 BETA = -6.000 Y/BW = .780 PAGE 1238

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

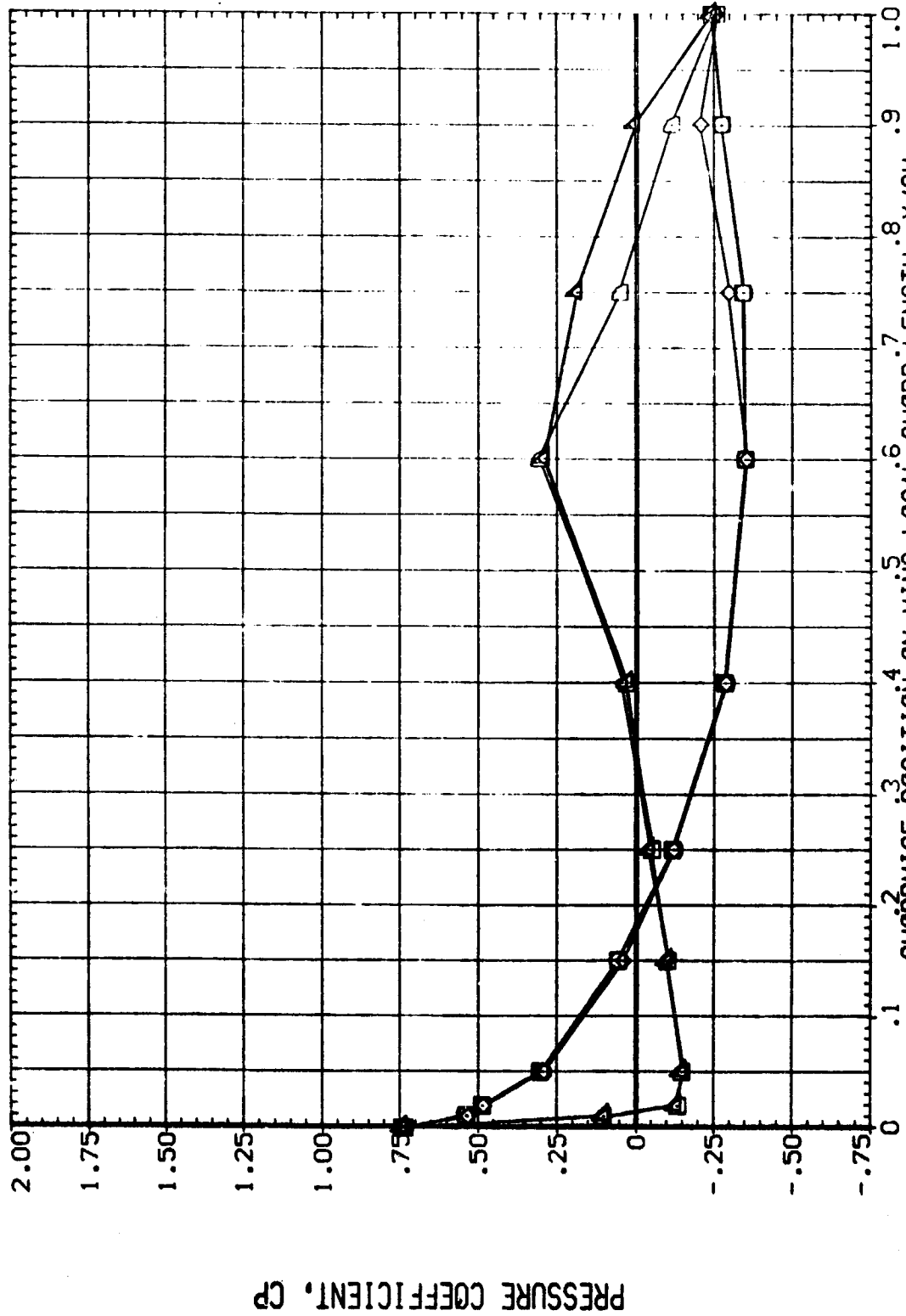


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = .000 BETA0 = -6.000 Y/BW = .887

DATA SET SYMBOL
 (1ETU39)
 (1ETU43)
 (1ETU53)
 (1ETL39)
 (1ETL43)
 (1ETL53)

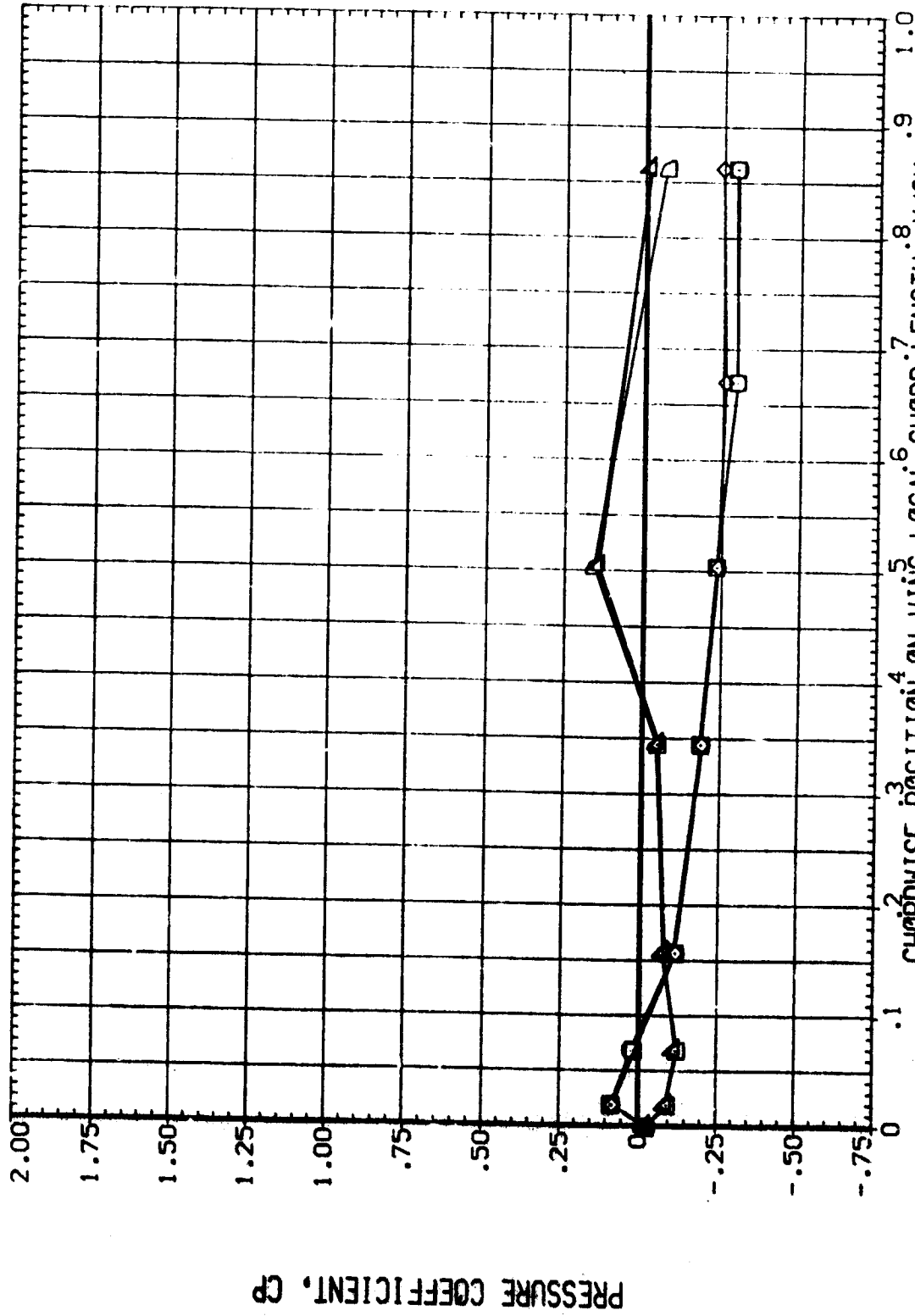
CONFIGURATION DESCRIPTION
 ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.
 ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.

MACH
 1.550
 1.550
 1.550
 1.550
 1.550

ELV-IB
 .000
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-OB
 .000
 .000
 -4.000
 .000
 -4.000



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA0 = .000 BETA0 = -6.000 Y/BW = .972
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU9)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL33)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETL35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

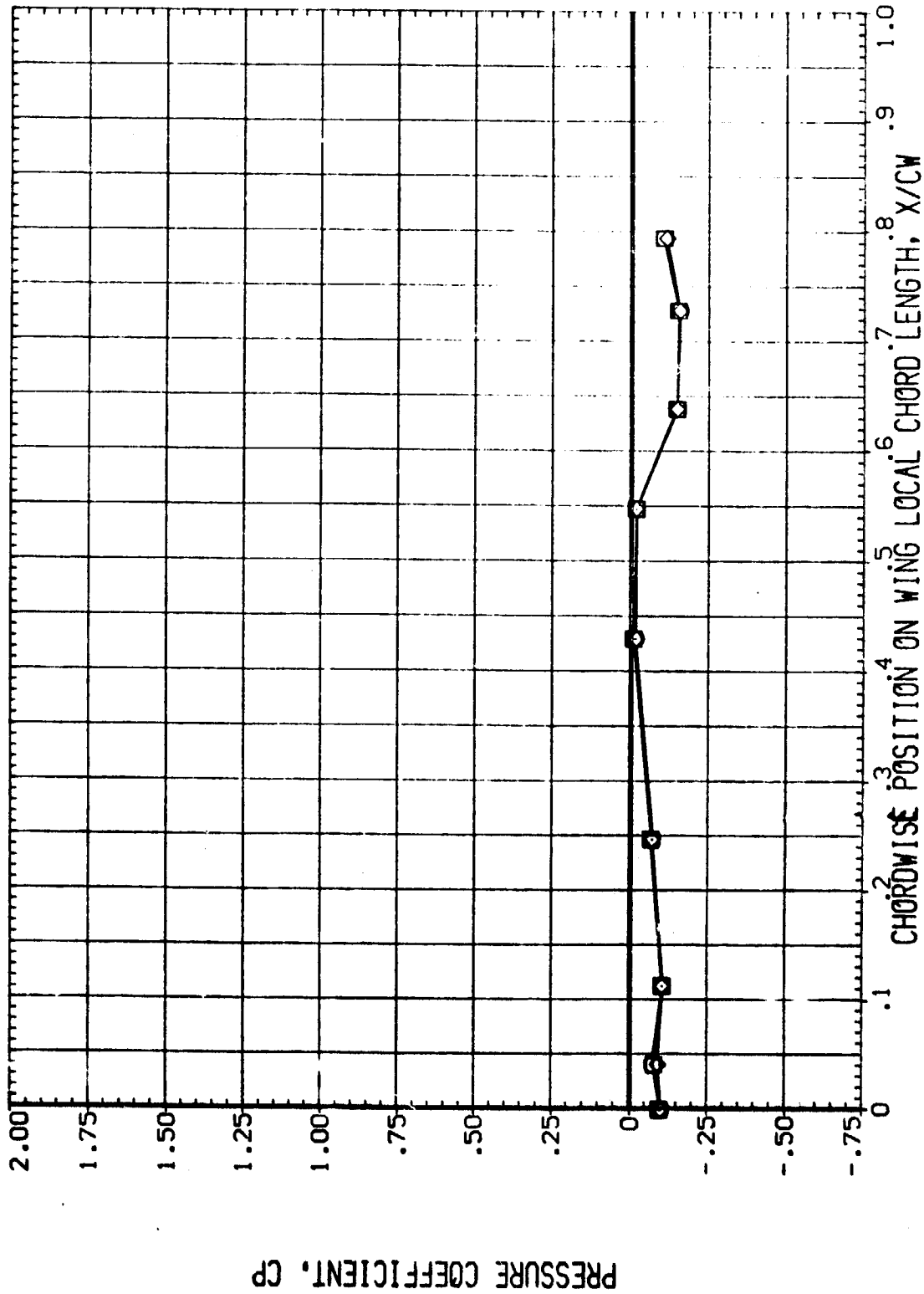
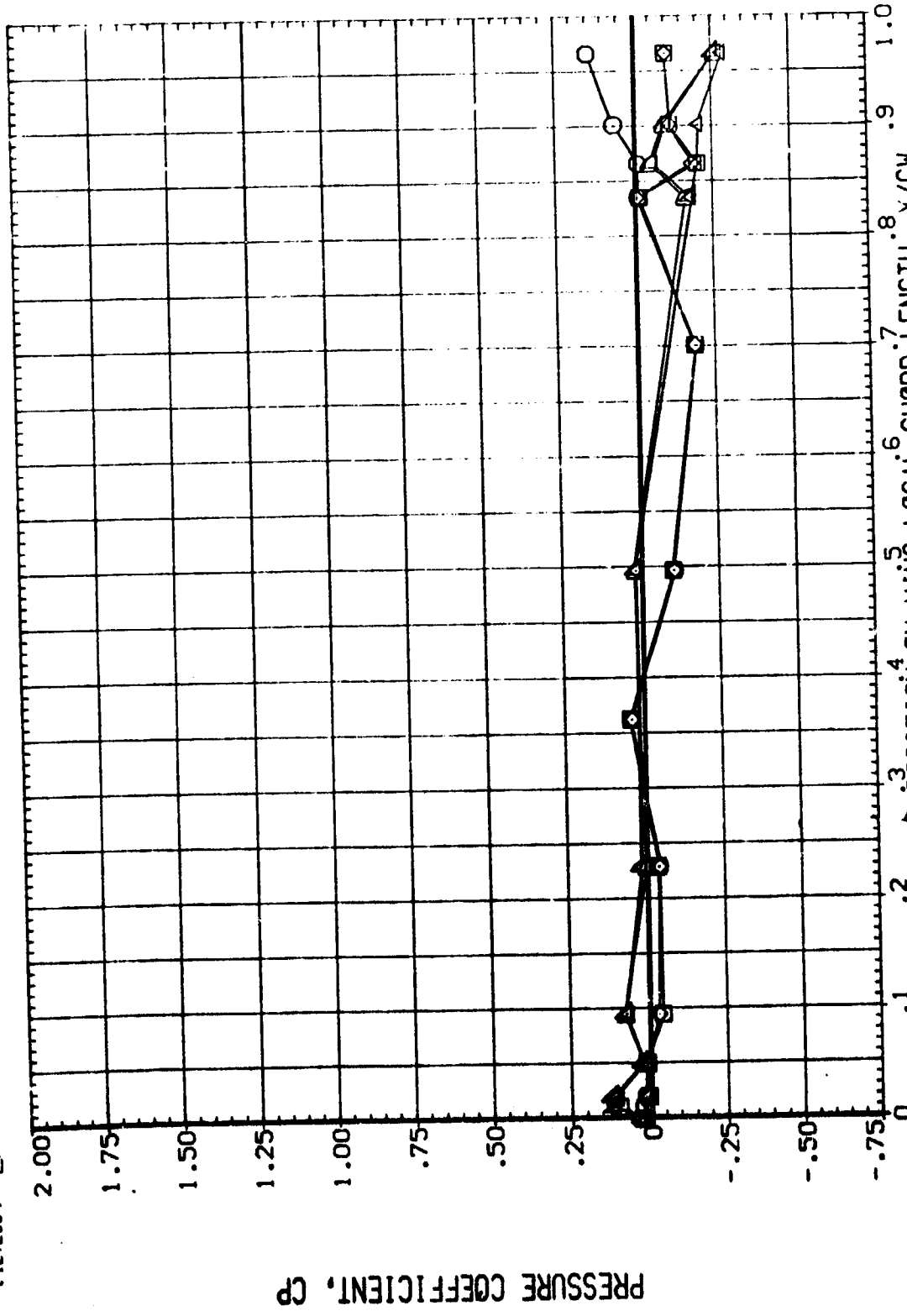


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .235

MACH ELV-1B RN/FT ELV-0B
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (1ETU39) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (1ETU43) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (1ETU35) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (1ETL39) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (1ETL43) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (1ETL35) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .299 CHORDWISE POSITION³ ON WING LOCAL CHORD LENGTH⁸; X/CW PAGE 1242

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU09)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

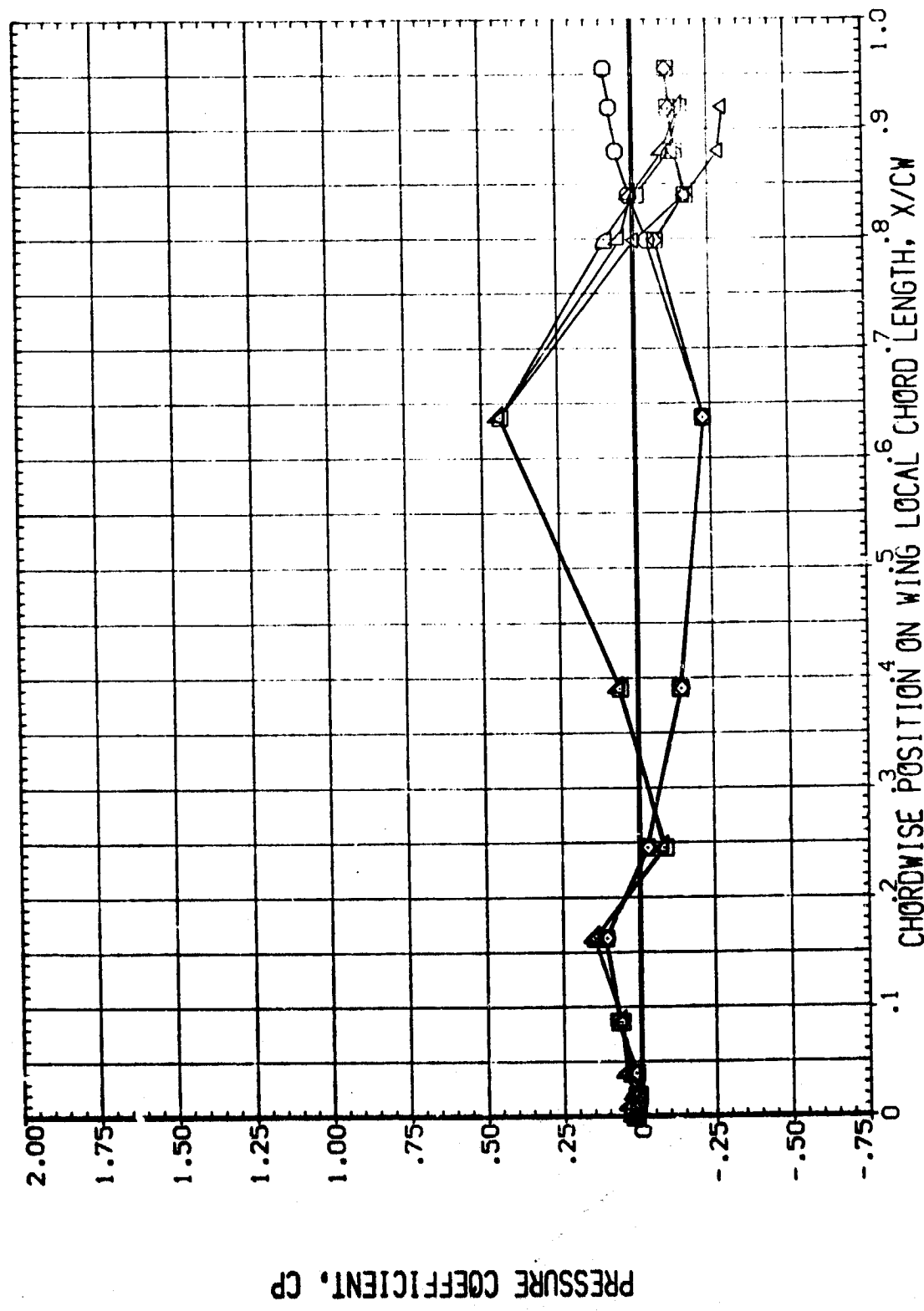


FIG. 65 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 ALPHA= .000 BETA= -4.000 Y/BW = .364
 SPOBRK = 0, MACH = 1.55
 PAGE 1243

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

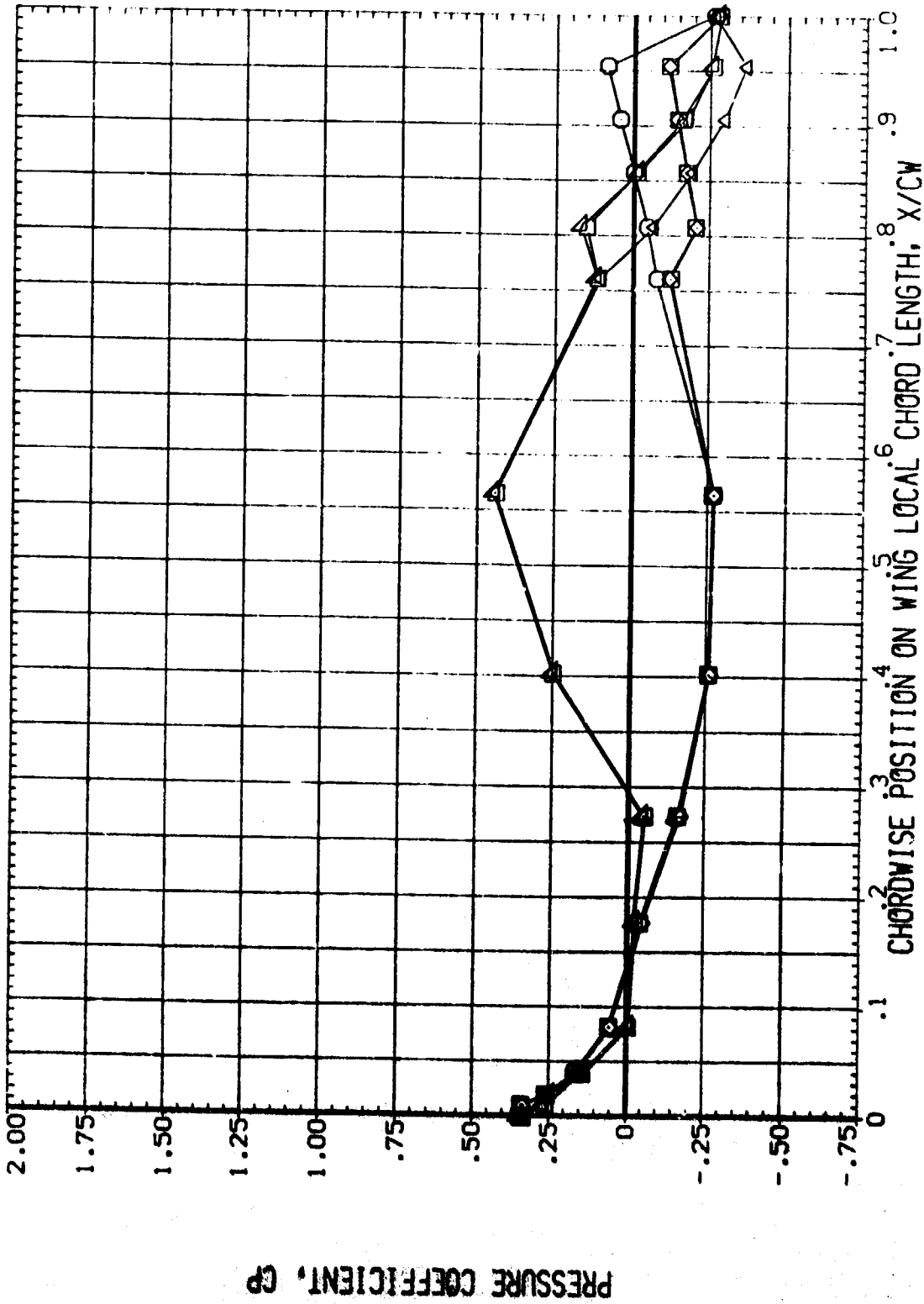


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU29)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

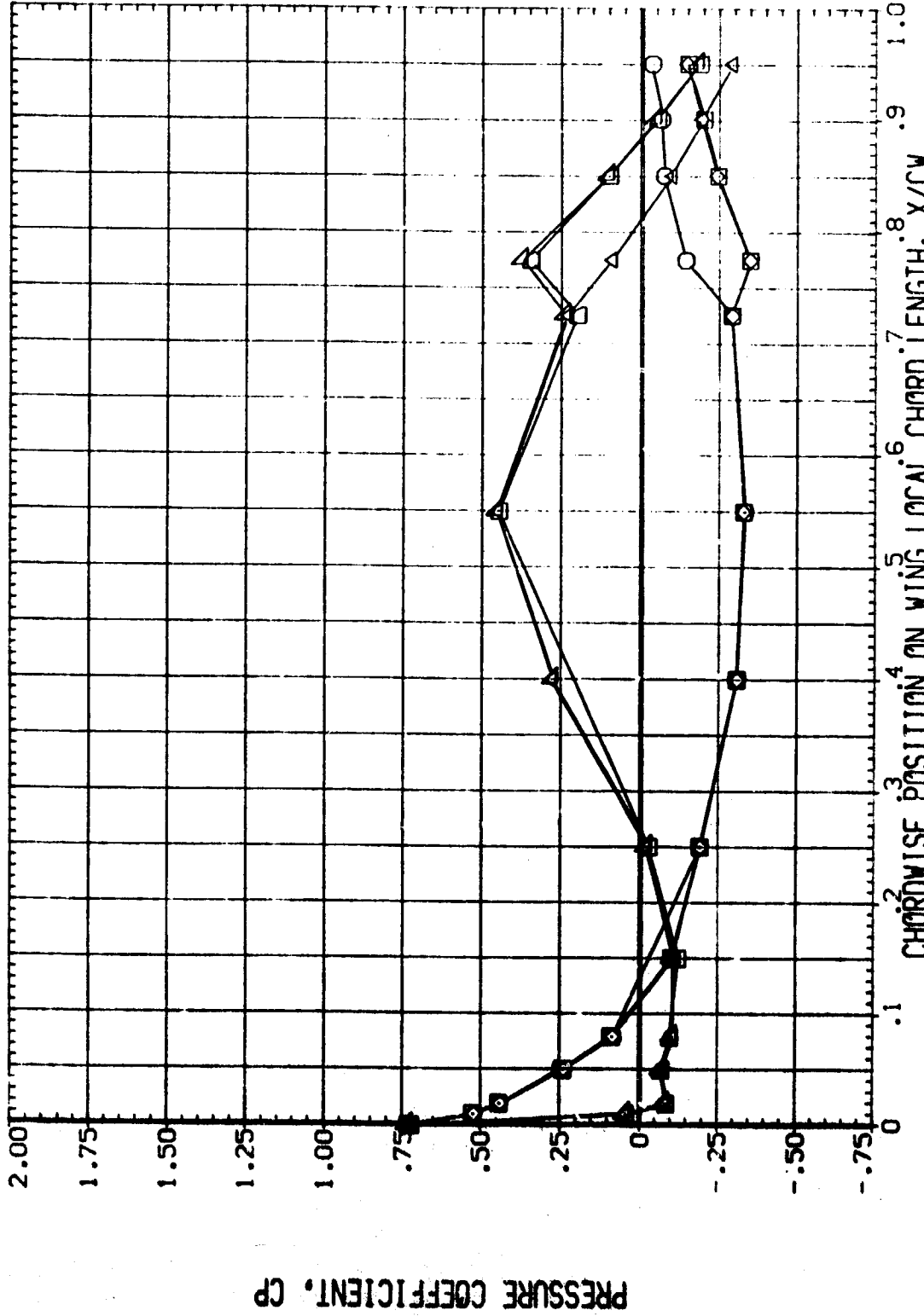


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(IETU99) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETU43) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETU95) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETL38) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.
 (IETL43) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.
 (IETL35) ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.

MACH ELV-18 RN/FT ELV-08
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000

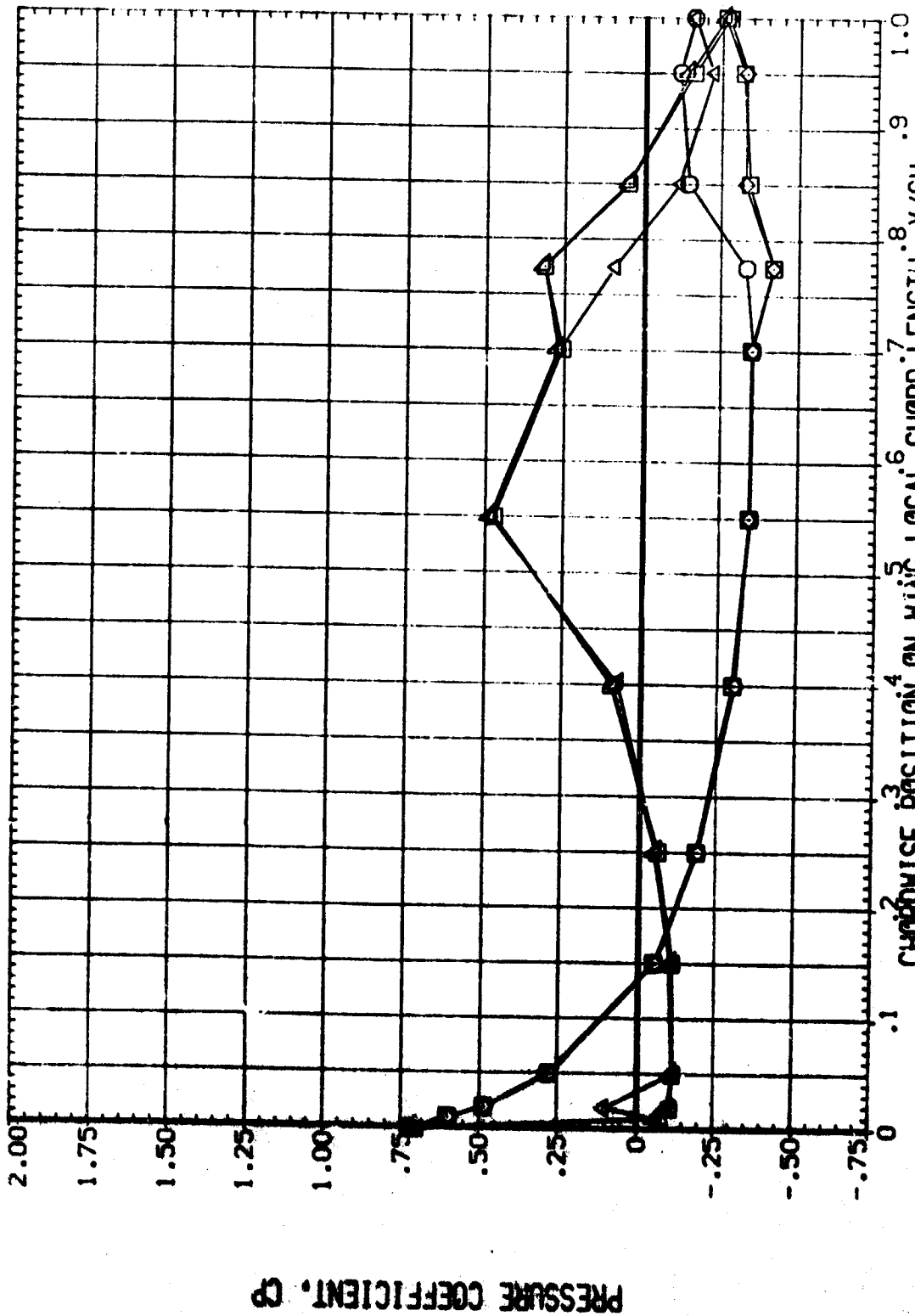


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA0 = .000 BETA0 = -4.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU39)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETL39)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL43)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

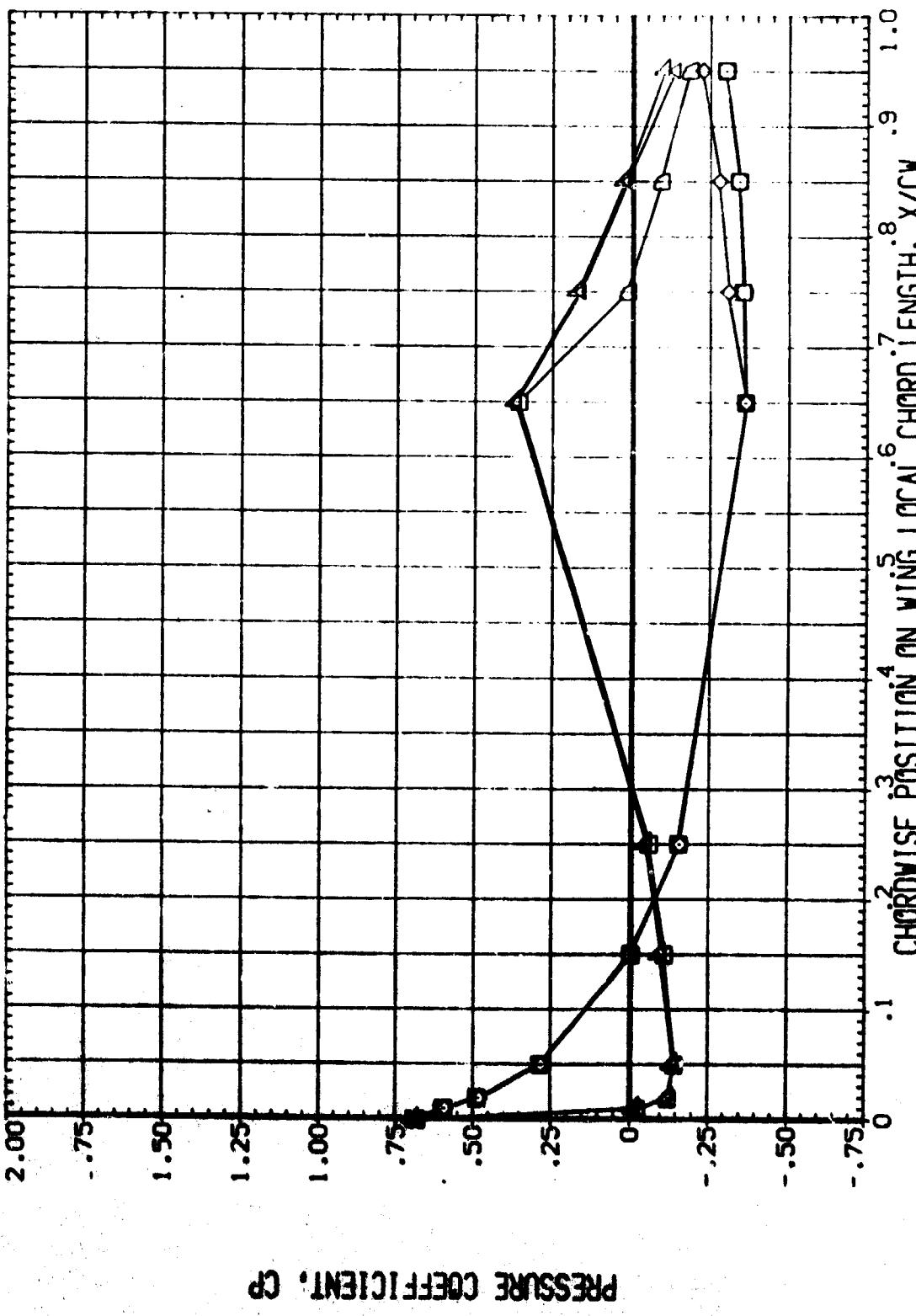


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU33)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.550	.000	2.500	.000
(IETU43)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.350	8.000	2.500	.000
(IETU53)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.350	8.000	2.500	-4.000
(IETU63)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.350	8.000	2.500	.000
(IETU73)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.350	8.000	2.500	.000
(IETU83)	ARC97-019 [A8] LVAP(ALLM SEALED)	1.350	8.000	2.500	-4.000

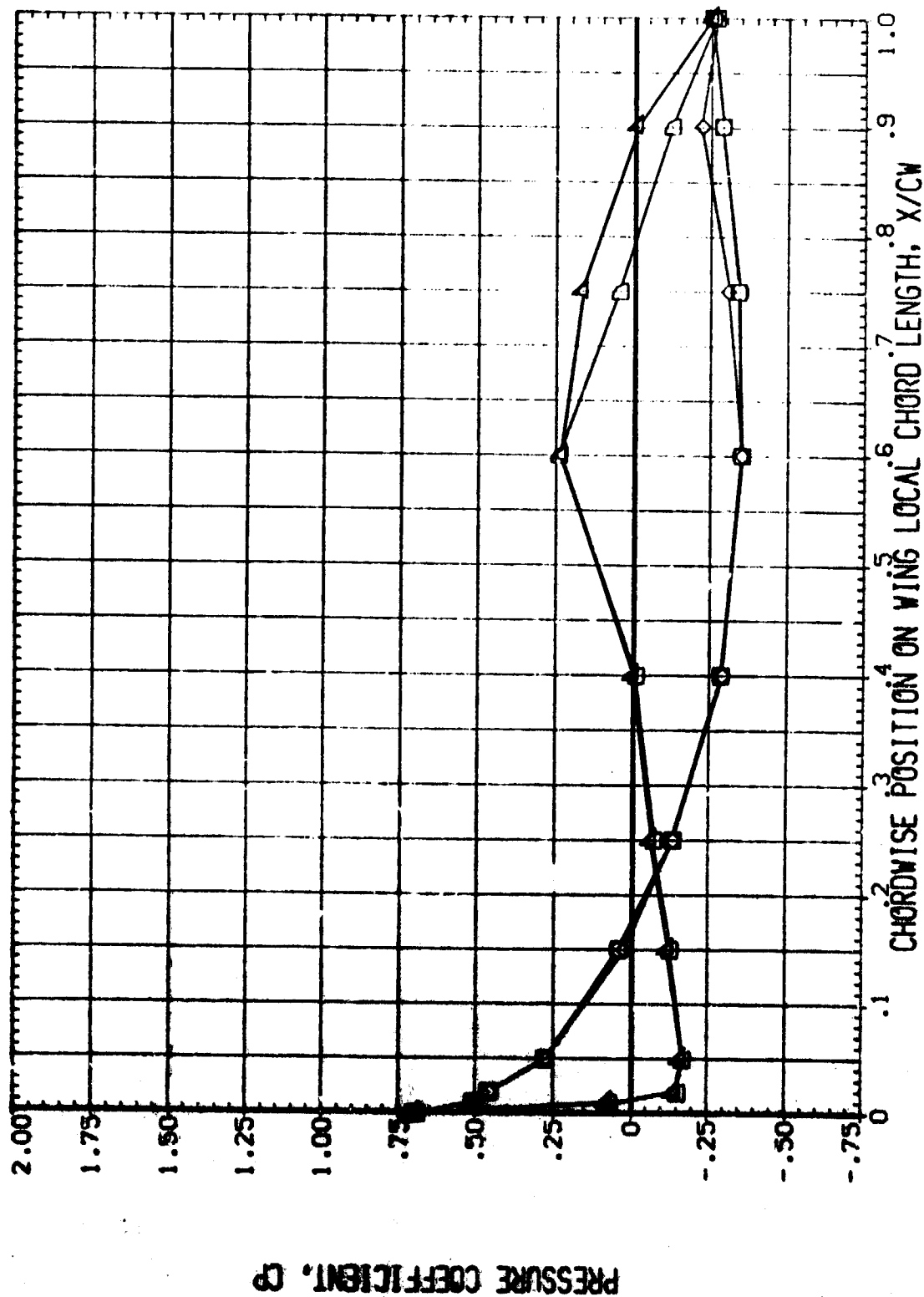


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA= .000 BETA= -4.000 Y/BW = .887 PAGE 1248

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(JETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(JETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(JETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(JETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(JETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

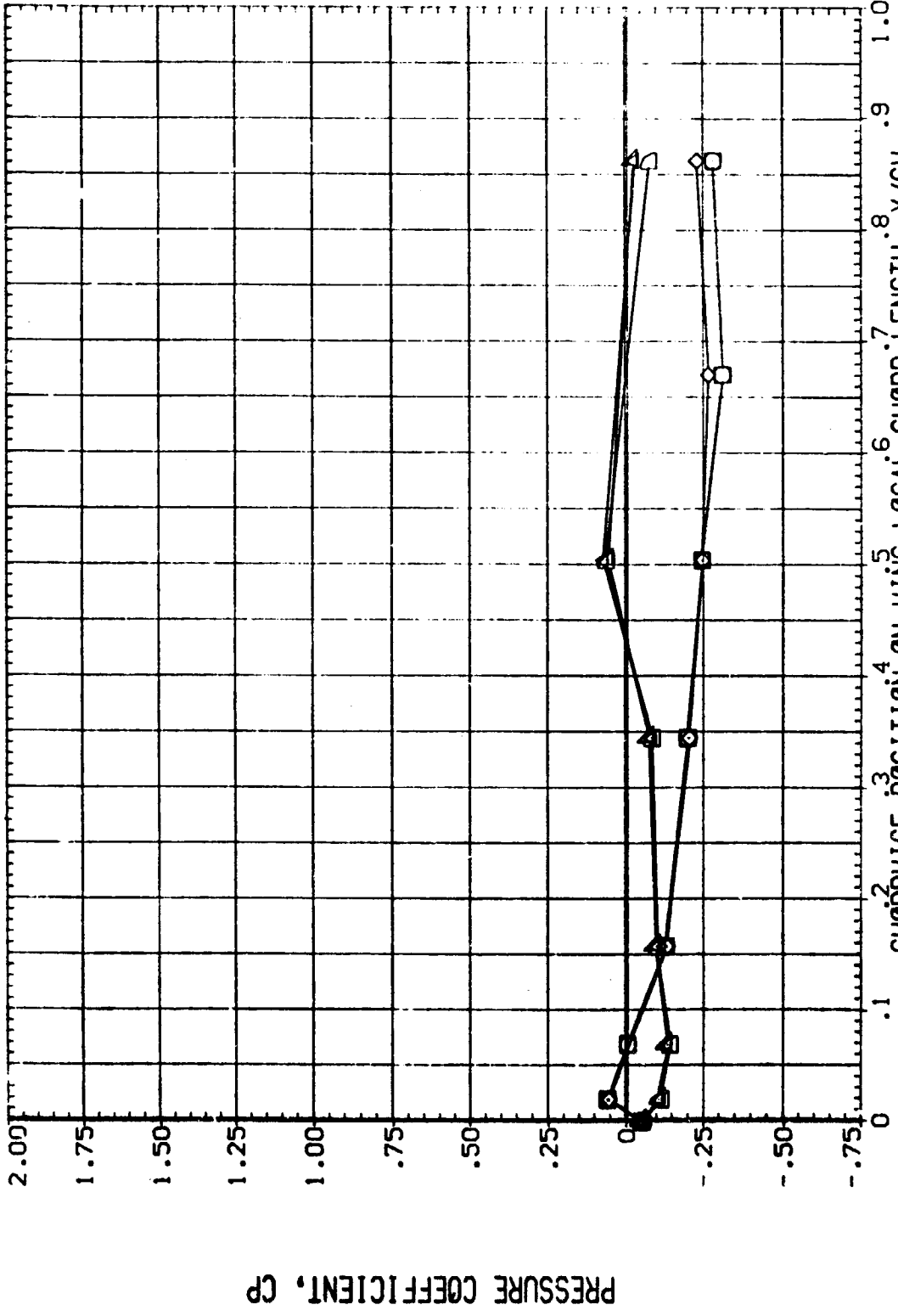


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	-4.000
(IETL39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL43)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

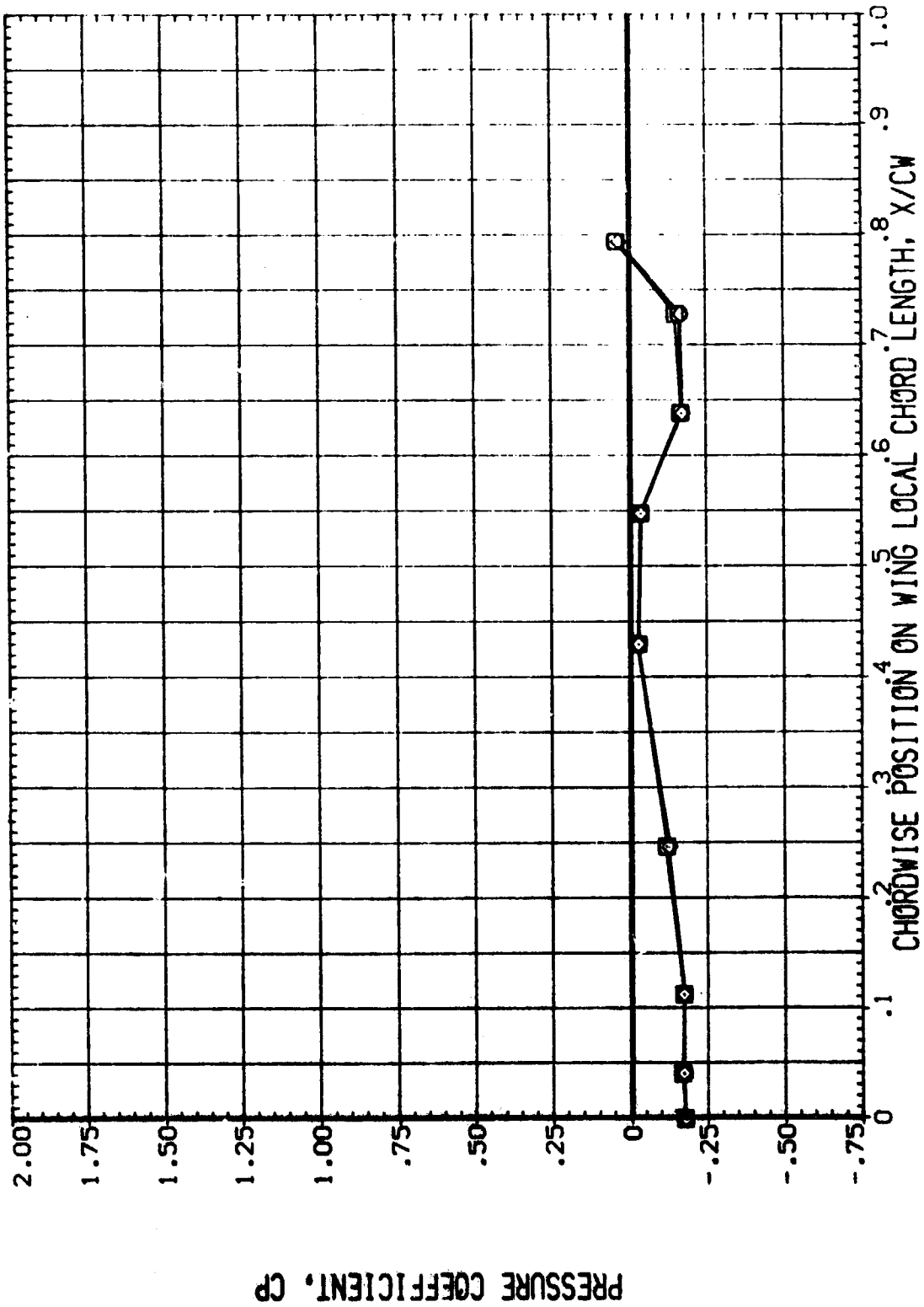


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 ALPHA0 = .000 BETA0 = .000 Y/BW = .235 PAGE 1250

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAR(ALLHL)	SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000

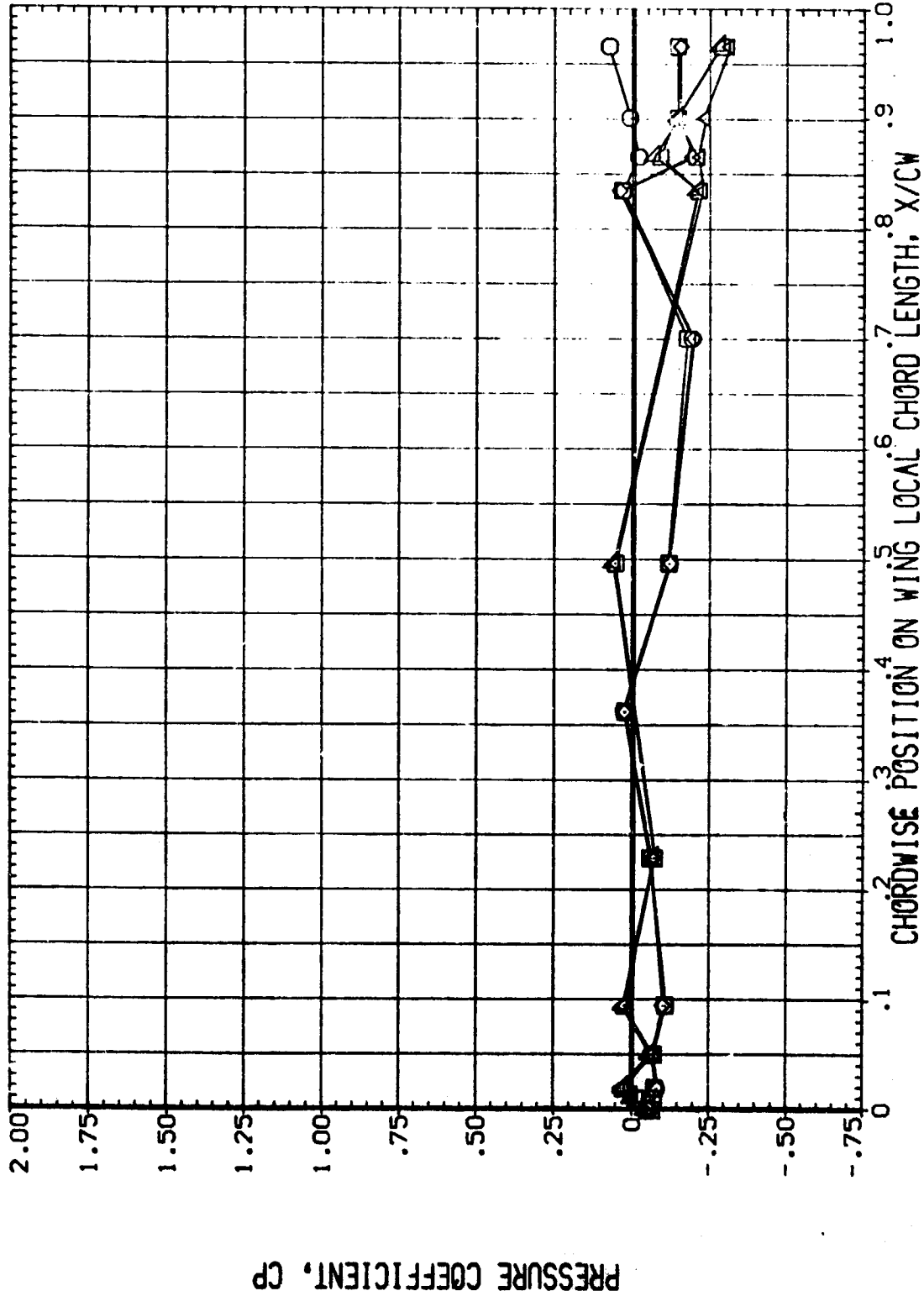


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(IETU39) □ ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP
 (IETU43) △ ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP
 (IETU35) ○ ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.
 (IETL39) □ ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.
 (IETL43) △ ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.

MACH
 1.550
 1.550
 1.550
 1.550
 1.550

ELV-1B
 .000
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-0B
 .000
 .000
 -4.000
 .000
 -4.000

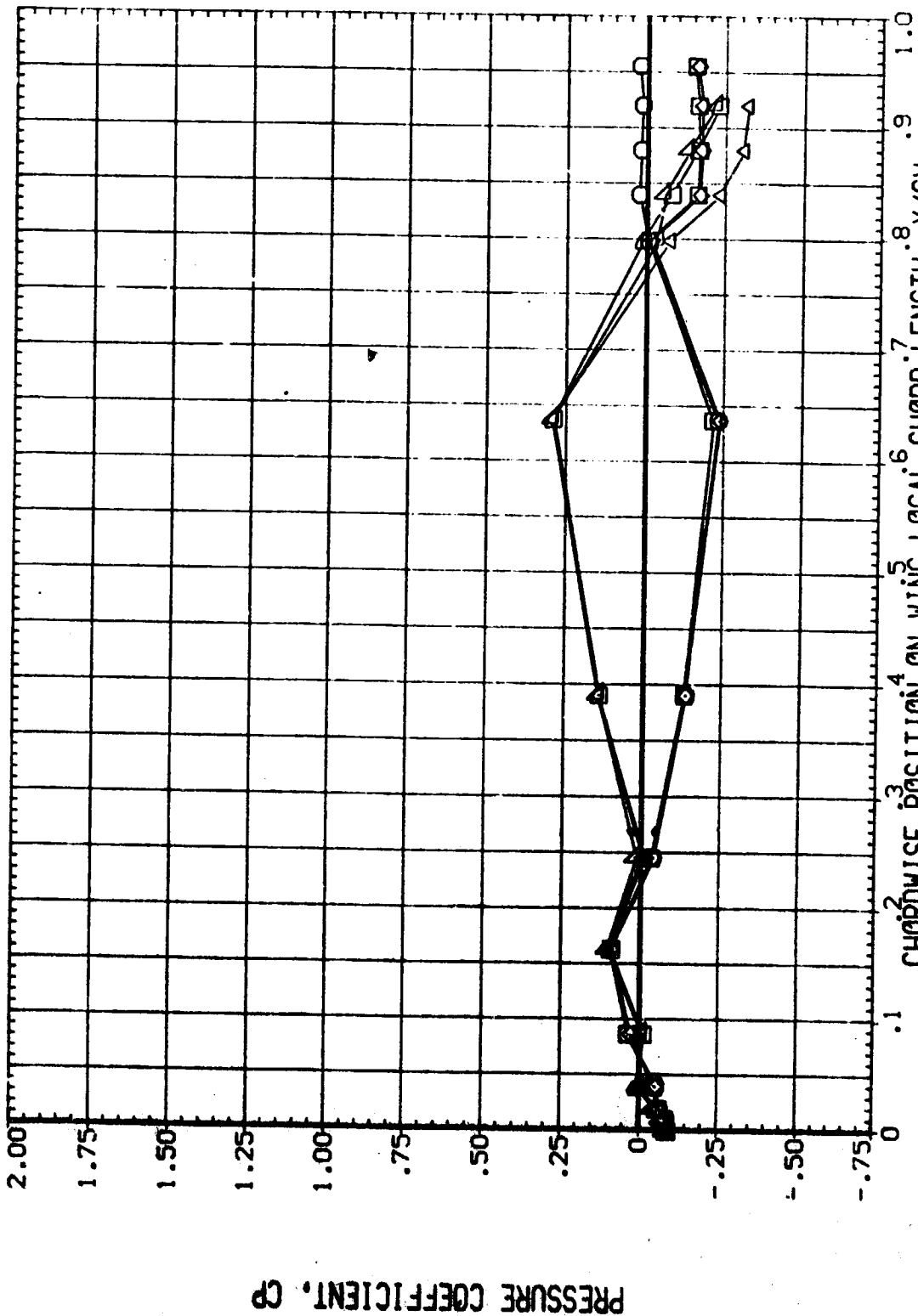


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0, MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = .000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV.-1B	RN/FT	ELV.-08
(1ETU99)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

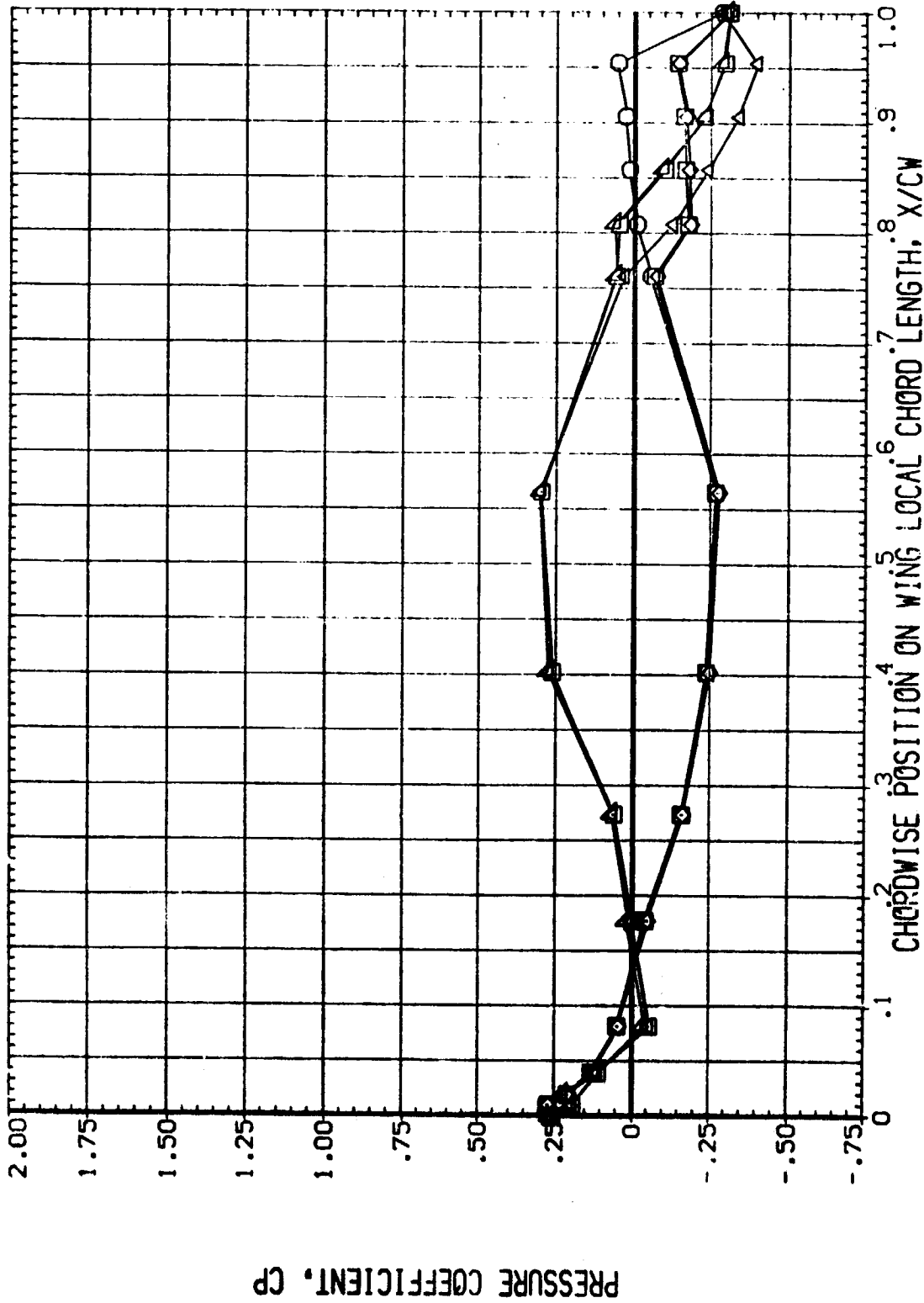


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA= .000 BETA= .000 Y/BW = .427

DATA SET SYMBOL
 (JET039)
 (JET043)
 (JET043)
 (JET043)
 (JETL43)
 (JETL35)

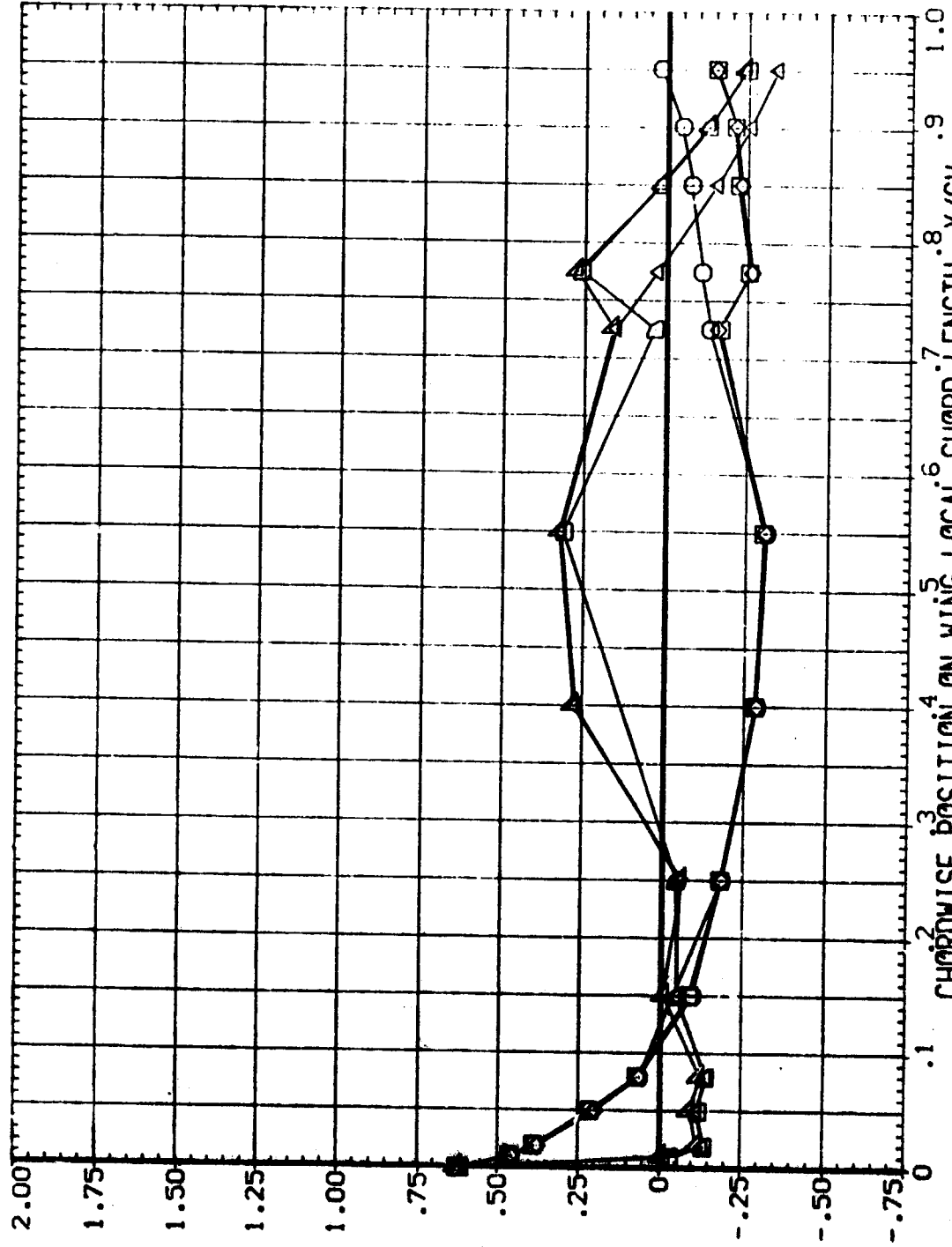
CONFIGURATION DESCRIPTION
 ARC97-019 [AB1 LVAP(ALLHL SEALED)
 ARC97-019 [AB1 LVAP(ALLHL SEALED)
 ARC97-019 [AB1 LVAP(ALLHL SEALED)
 ARC97-019 [AB1 LVAP(ALLHL SEALED)
 ARC97-019 [AB1 LVAP(ALLHL SEALED)

LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 1.550
 1.550
 1.550
 1.550

ELV-18 RN/FT
 8.000 2.500
 8.000 2.500
 8.000 2.500
 8.000 2.500

ELV-08
 .000 .000
 .000 .000
 -4.000 .000
 .000 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA= .000 BETA= .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

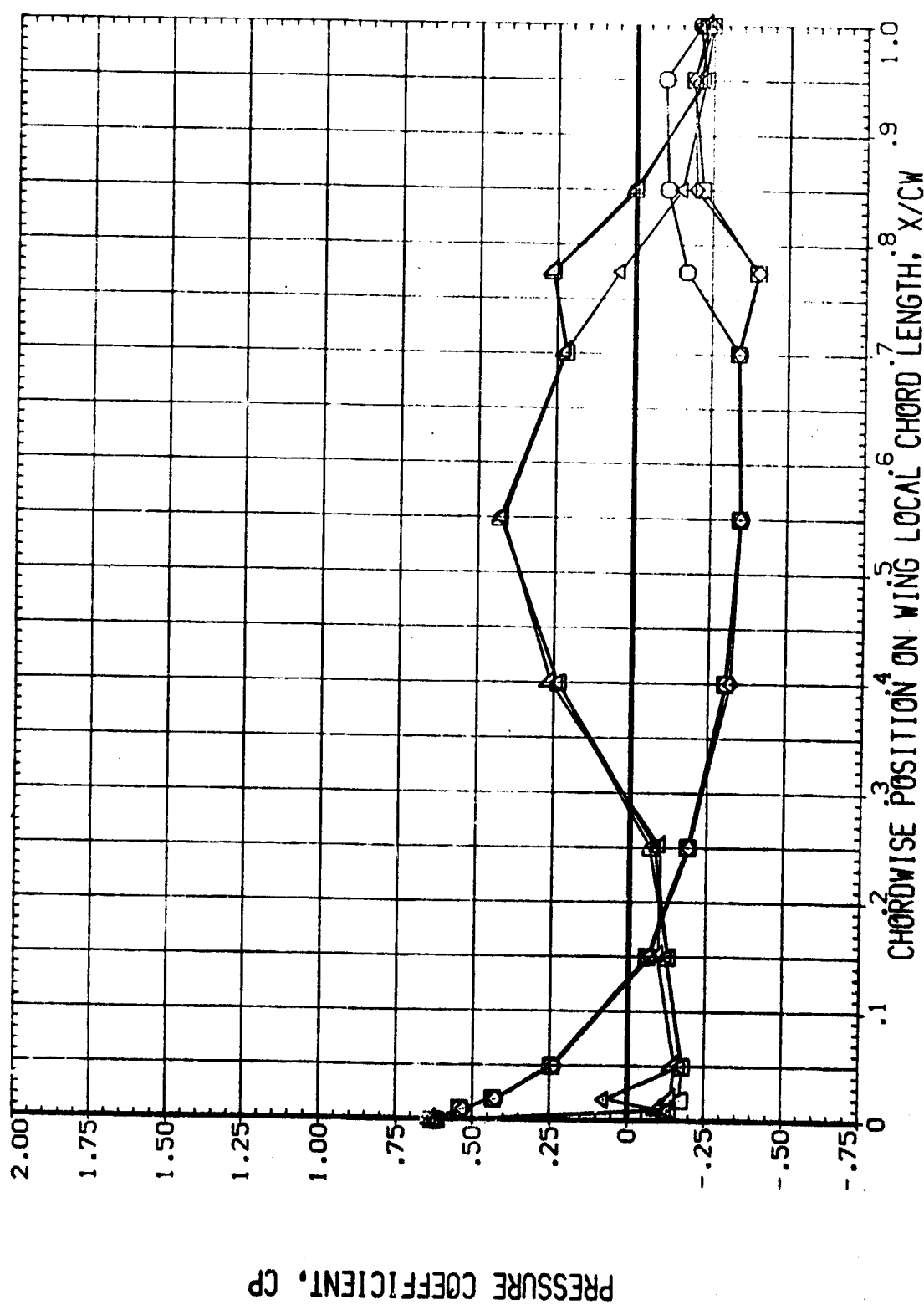


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

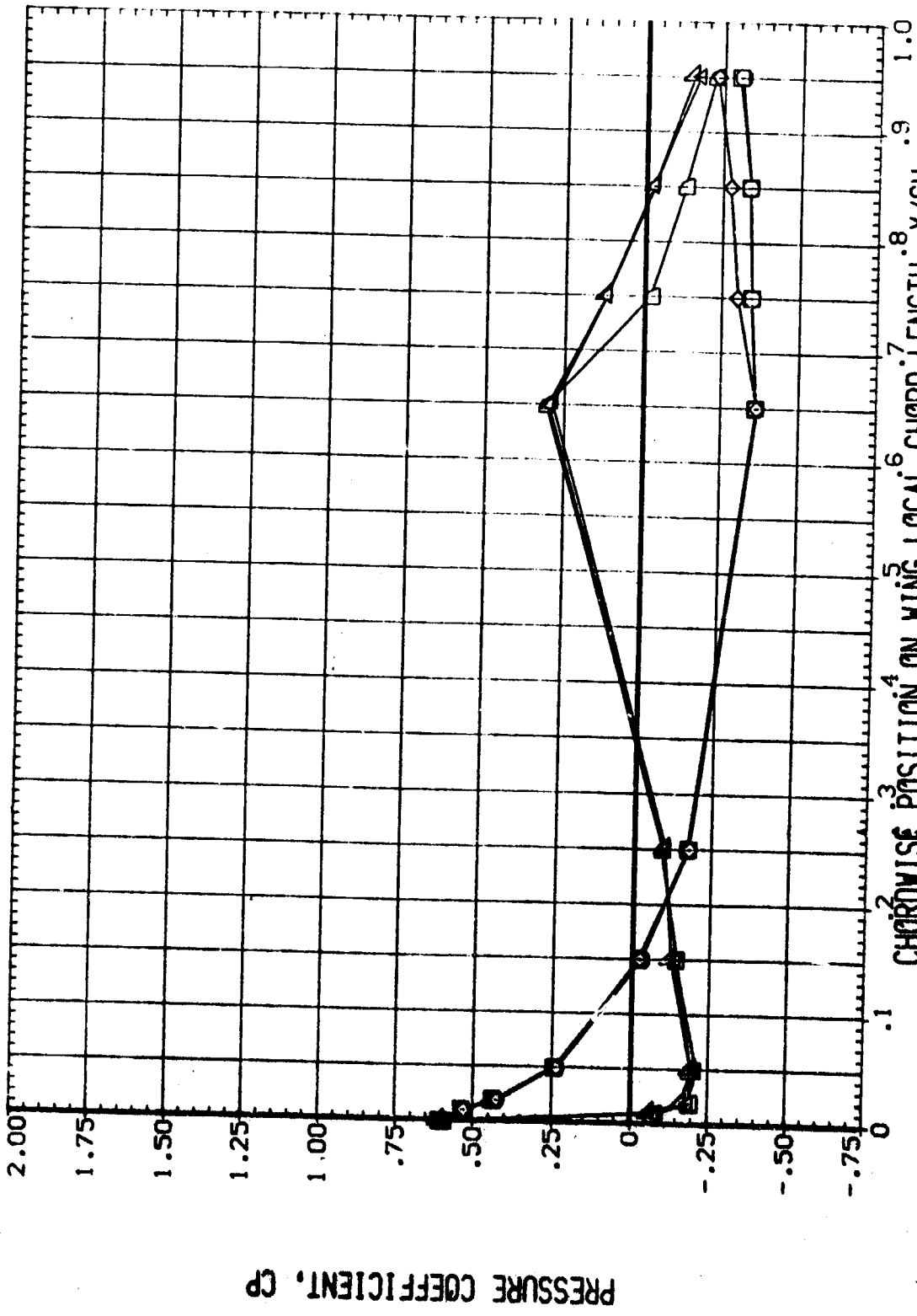


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA = .000 BETA = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-IB	RN/FT	ELV-OB
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000

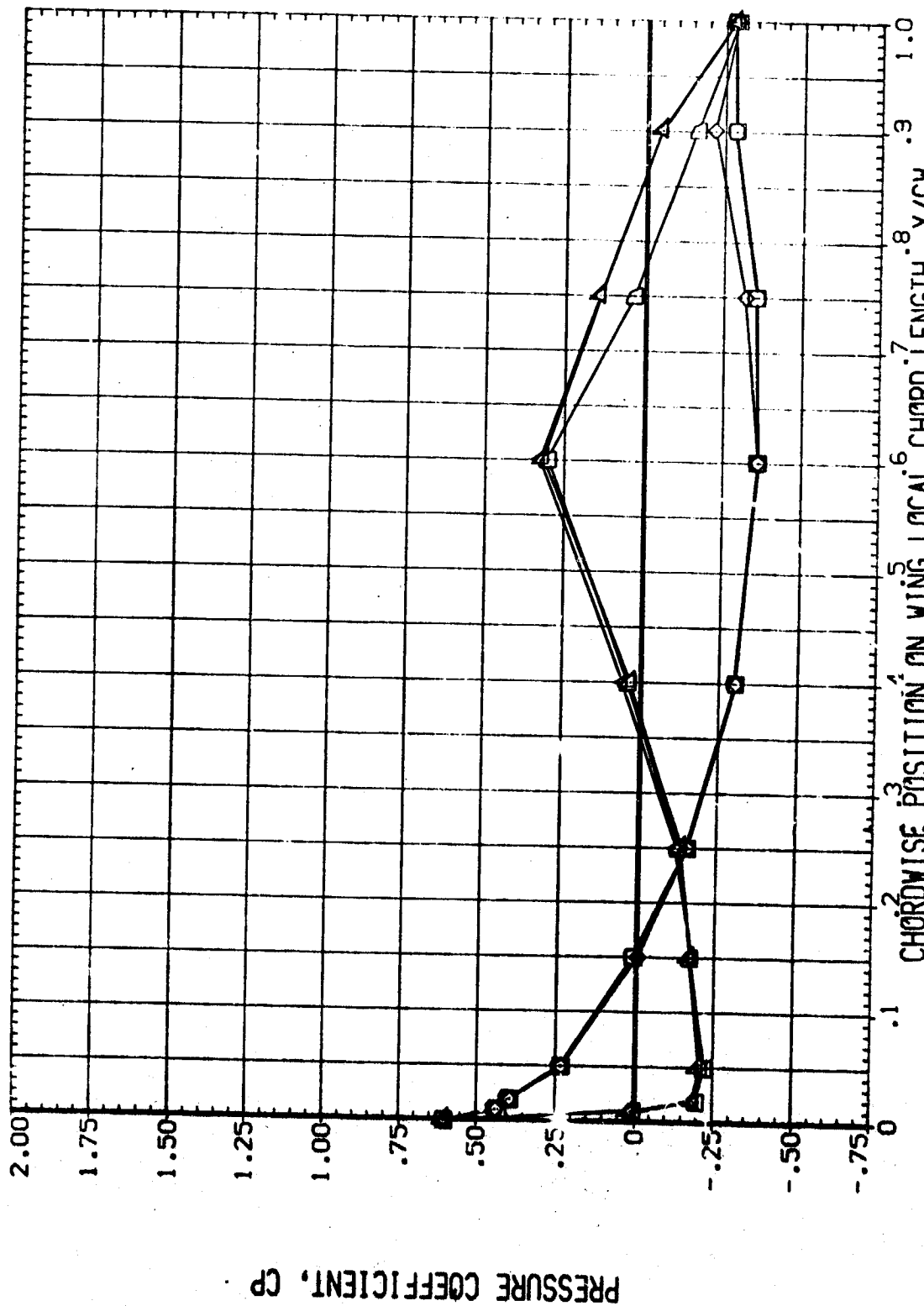


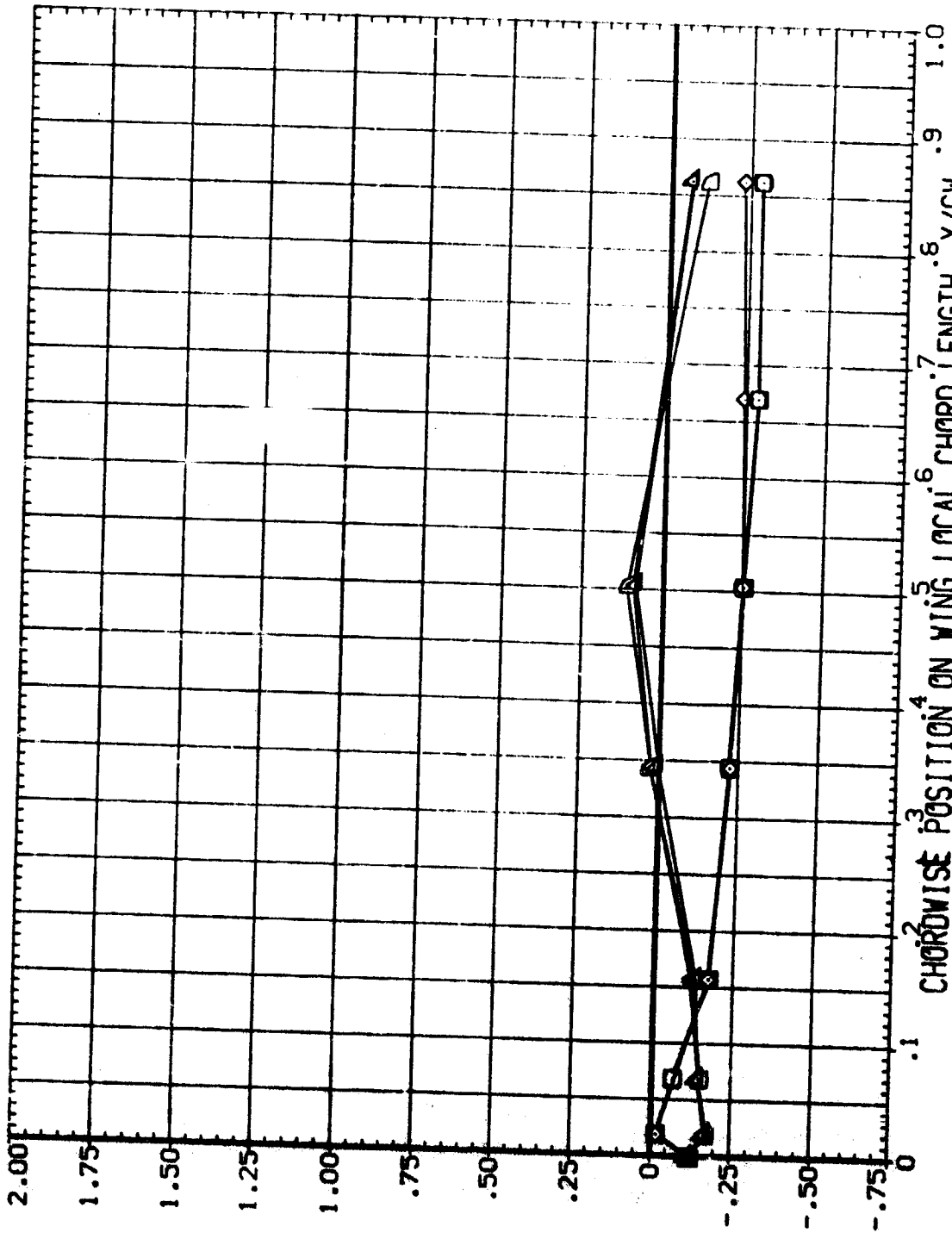
FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0, MACH = 1.55

ALPHA0 = .000 BETA0 = .000 Y/BW = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (TETL28) (TETL28) IAB1 LVAP(ALLML SEALED)
 (TETL29) (TETL29) IAB1 LVAP(ALLML SEALED)
 (TETL30) (TETL30) IAB1 LVAP(ALLML SEALED)
 (TETL31) (TETL31) IAB1 LVAP(ALLML SEALED)
 (TETL32) (TETL32) IAB1 LVAP(ALLML SEALED)
 (TETL33) (TETL33) IAB1 LVAP(ALLML SEALED)

ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.
 ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.

MACH ELV-1B ELV-0B
 1.550 2.500 2.500
 1.550 8.000 8.000
 1.550 2.500 2.500
 1.550 8.000 8.000
 1.550 2.500 2.500
 1.550 8.000 8.000



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = .000 BETA = .000 Y/BW = .972

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(1ETL43)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(1ETL35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

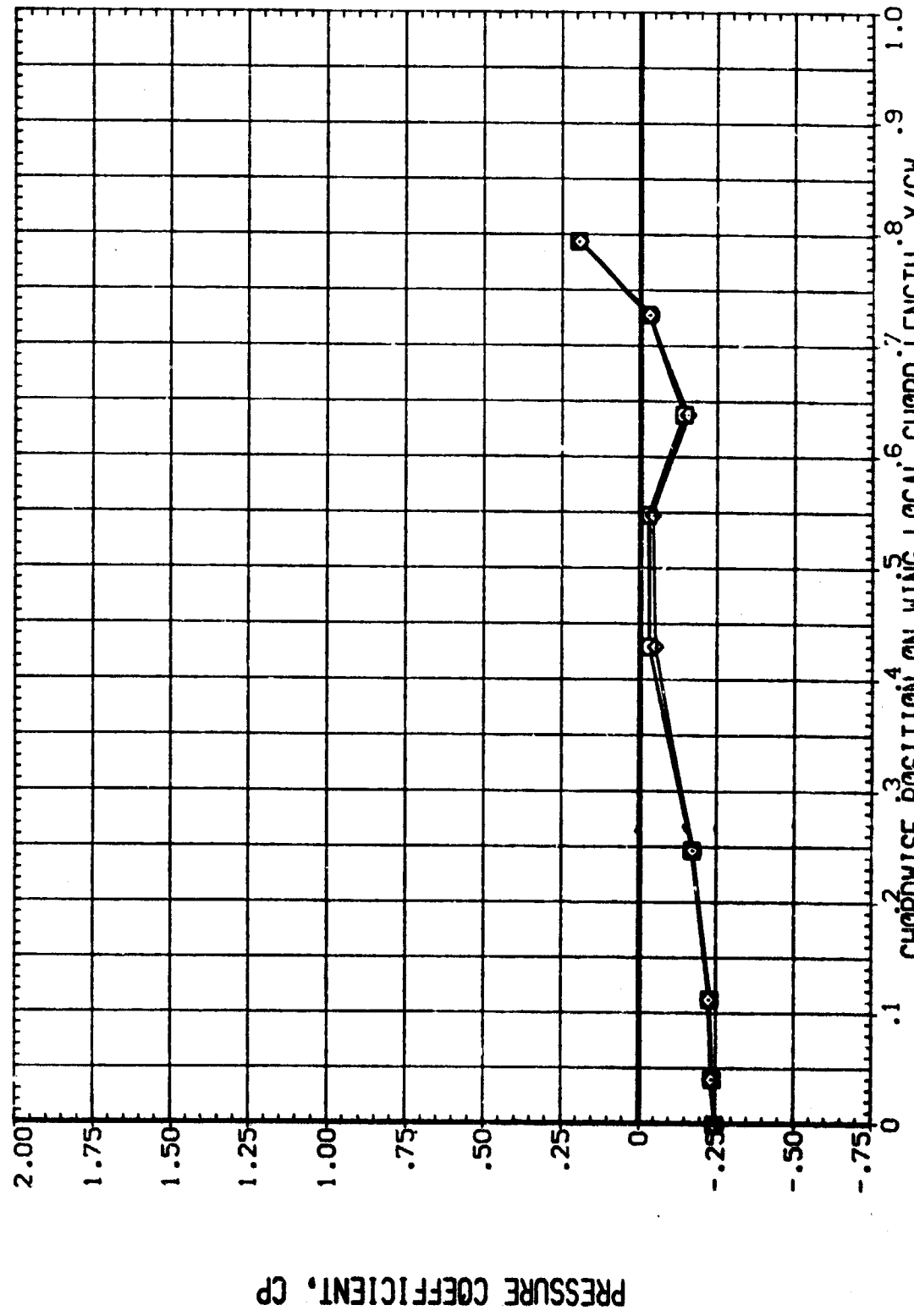
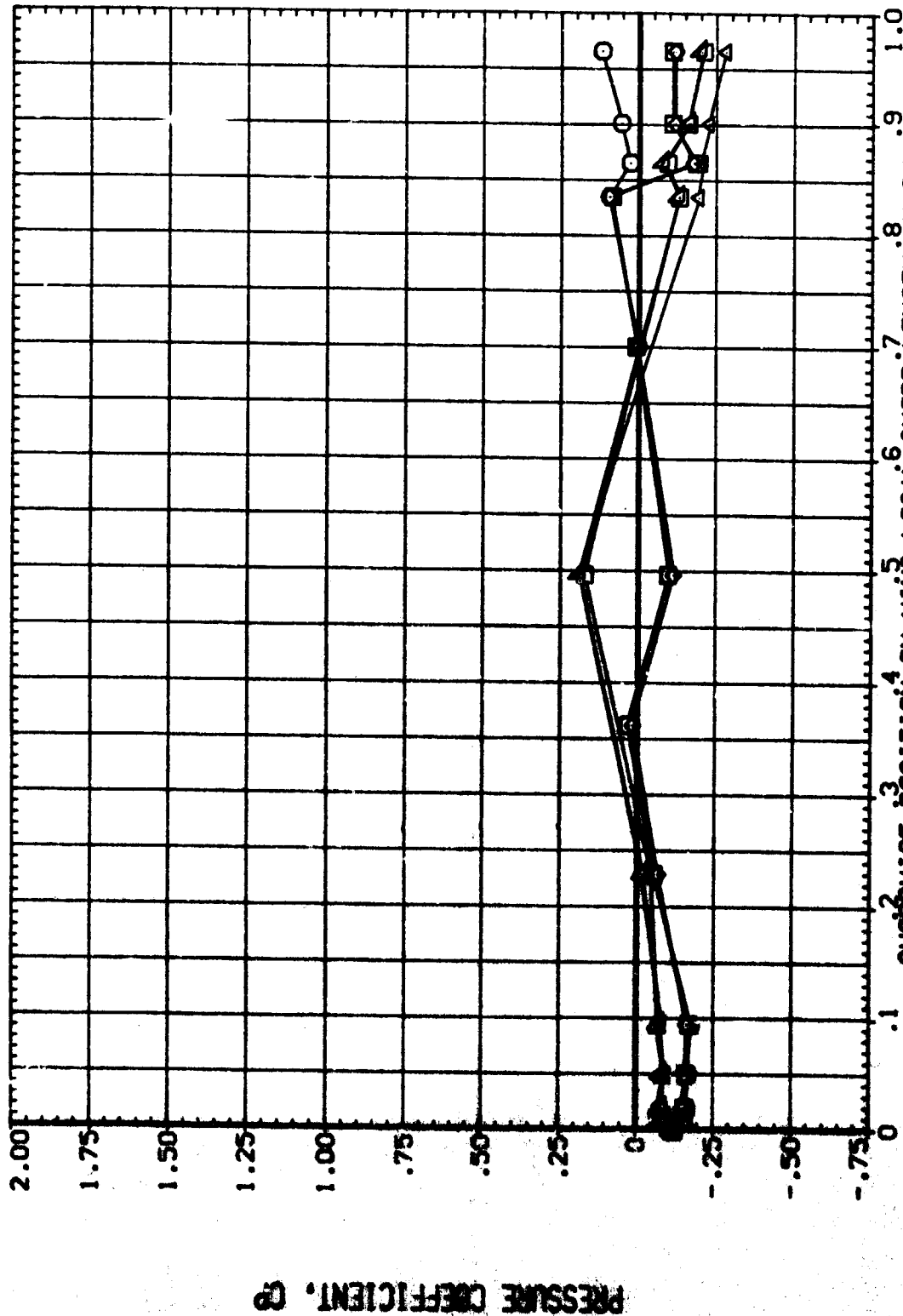


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(HETL08)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	.000	2.500	.000
(HETL12)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(HETL13)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000
(HETL14)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(HETL15)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(HETL16)	ARC37-019 (A8) LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(1ETU19)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETL13)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU75)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL28)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL25)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000

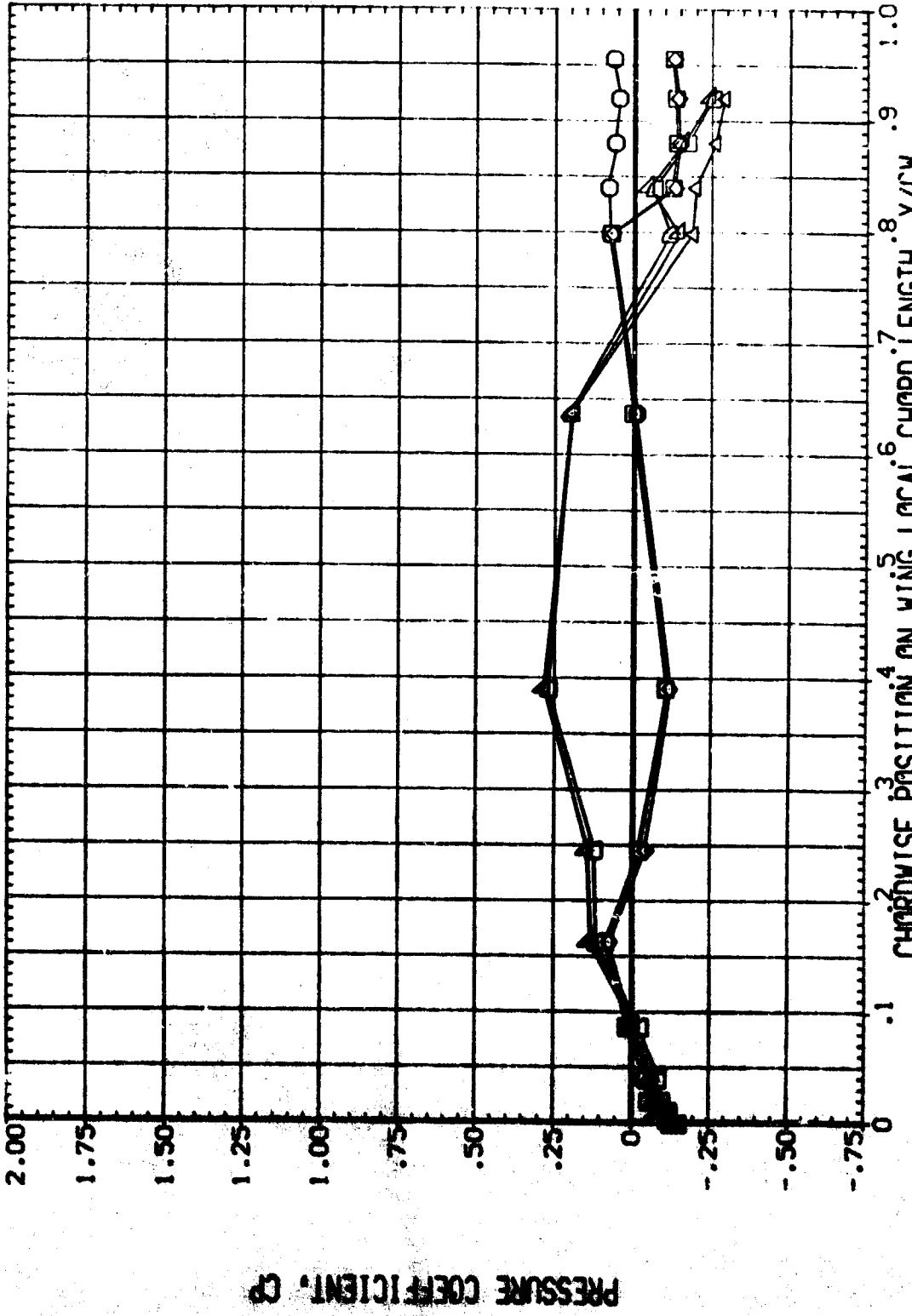


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA = .000 BETA = 4.000 Y/BW = .364 PAGE 1261

DATA SET SYMBOL
 (IETL08)
 (IETL09)
 (IETL10)
 (IETL11)
 (IETL12)
 (IETL13)
 (IETL14)
 (IETL15)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALL)M SEALED)
 ARC97-019 IAB1 LVAP(ALL)M SEALED)
 ARC97-019 IAB1 LVAP(ALL)M SEALED)
 ARC97-019 IAB1 LVAP(ALL)M SEALED)
 ARC97-019 IAB1 LVAP(ALL)M SEALED)

LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 1.550
 1.550
 1.550
 1.550
 1.550

ELV-1B
 .000
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-0B
 .000
 .000
 -4.000
 .000
 -4.000

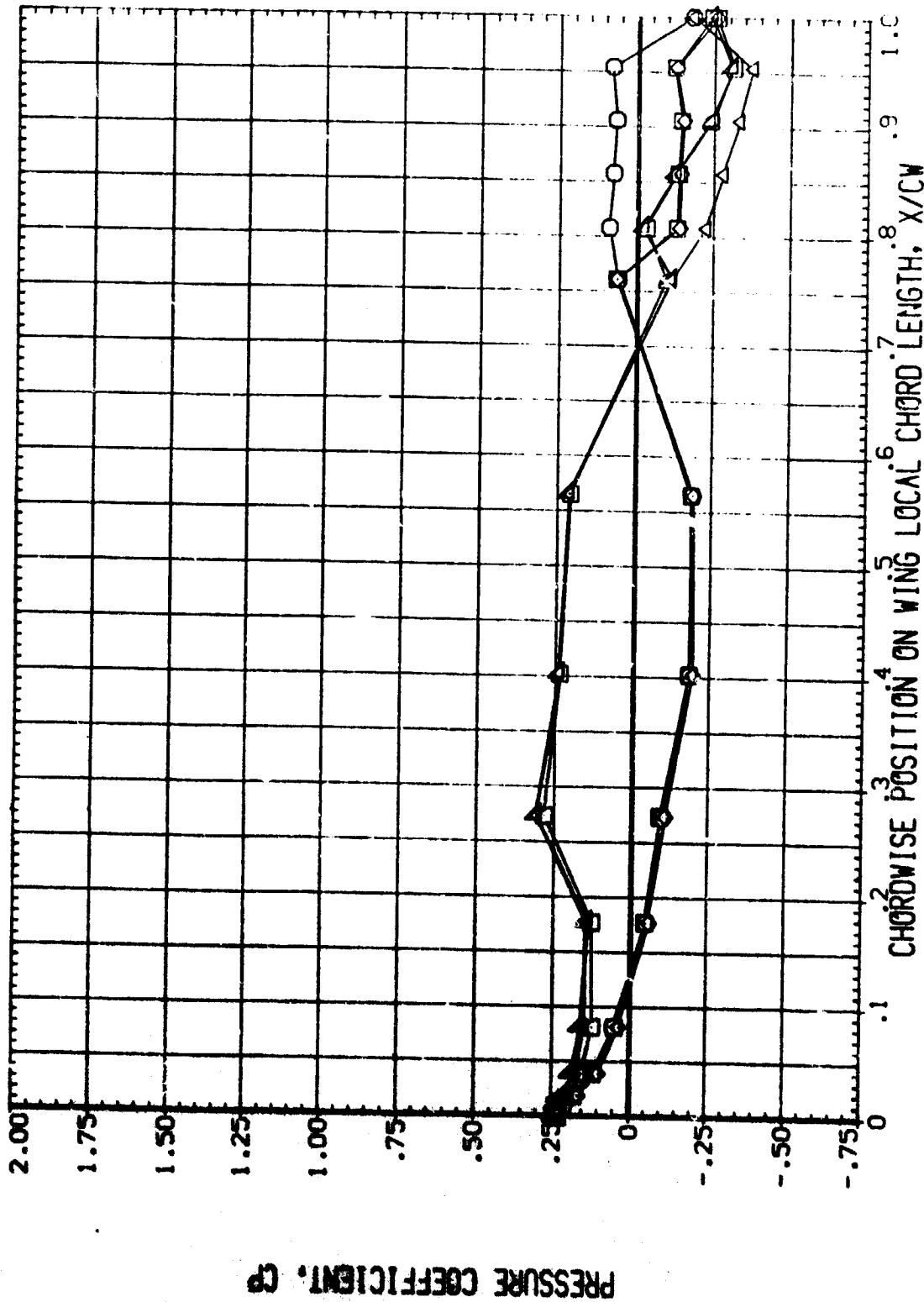


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0, MACH = 1.55

ALPHA= .000 BETA= 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL39)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL43)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

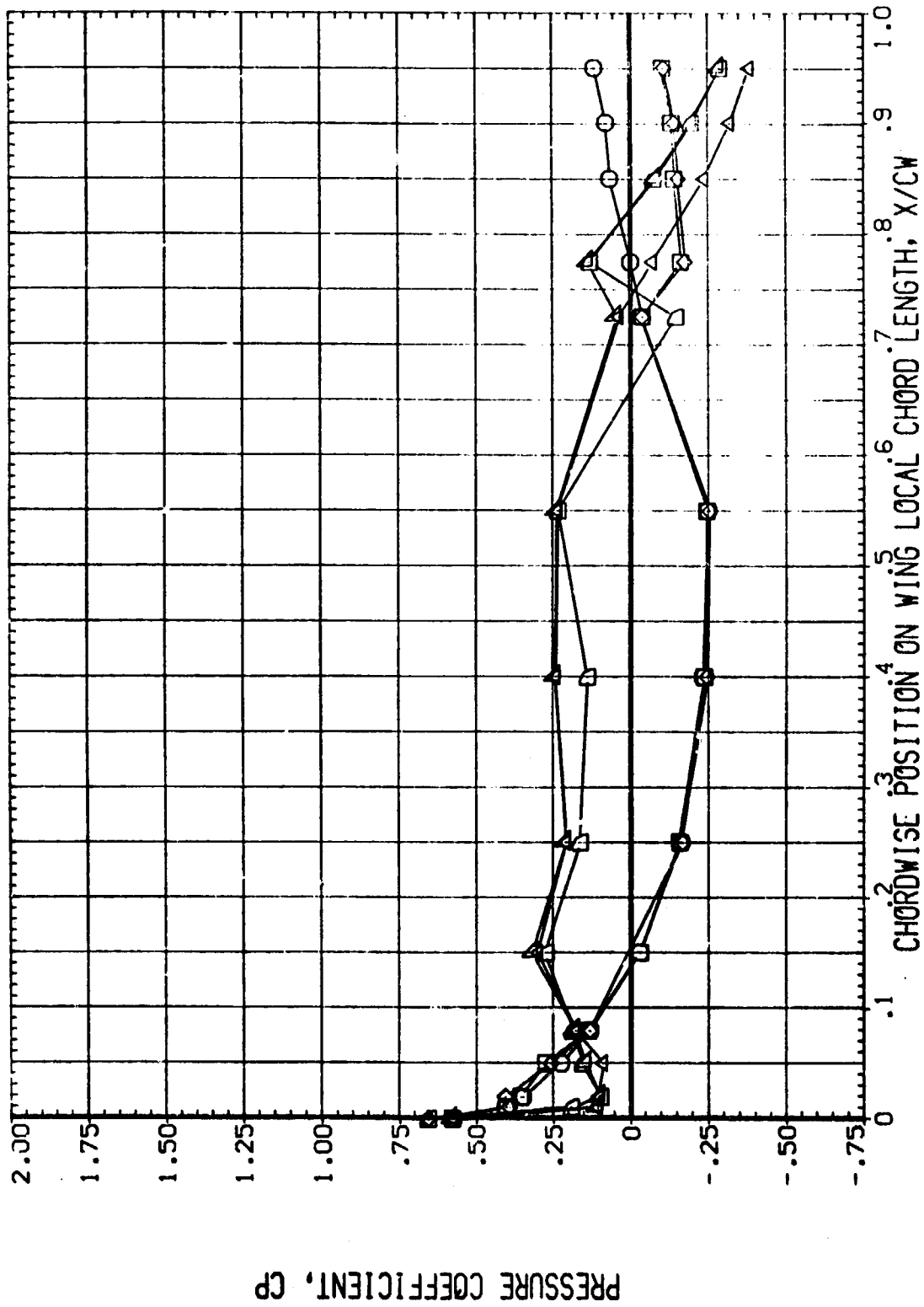


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU05)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

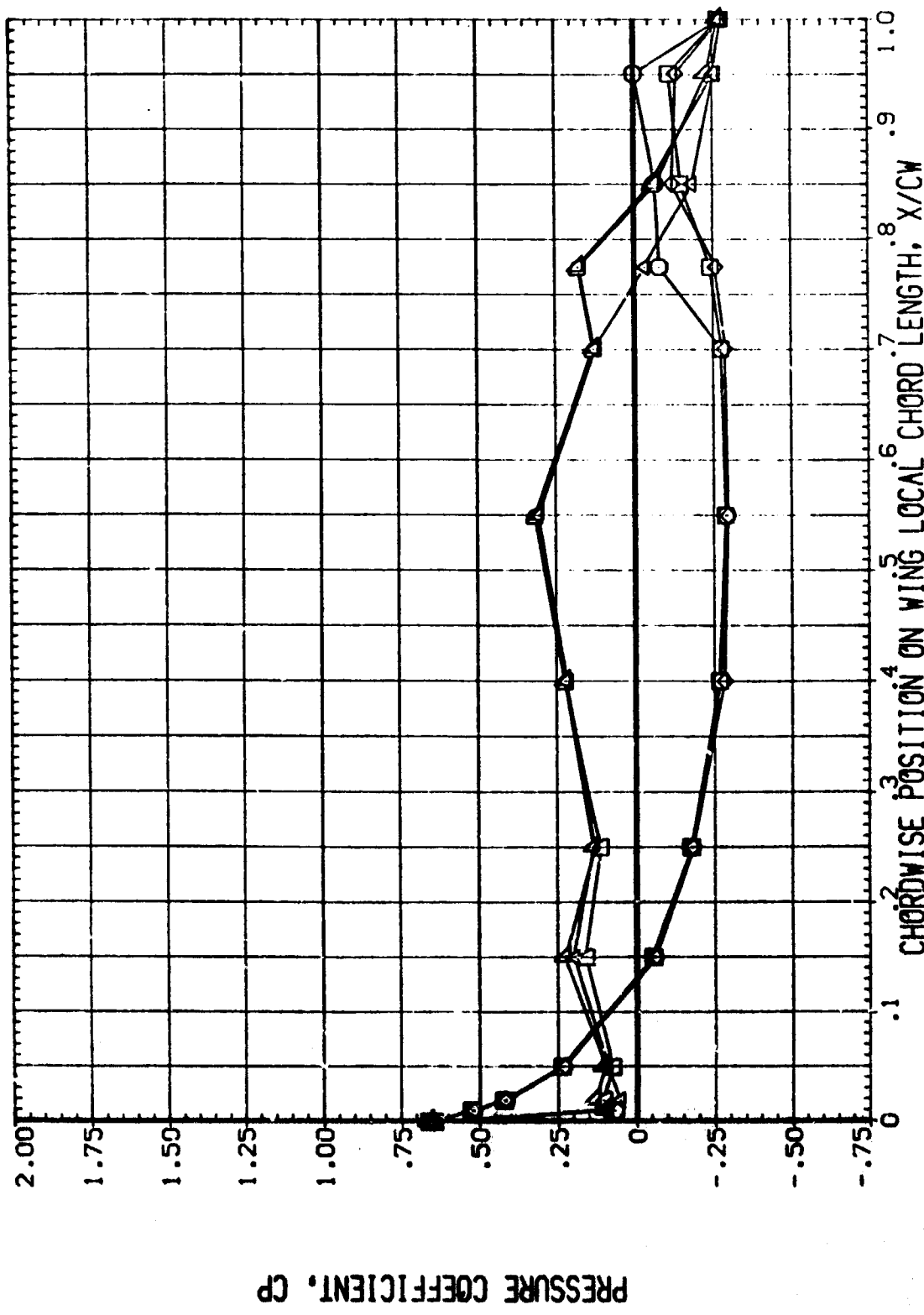


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .673 PAGE 1264

DATA SLT SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU29)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU93)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

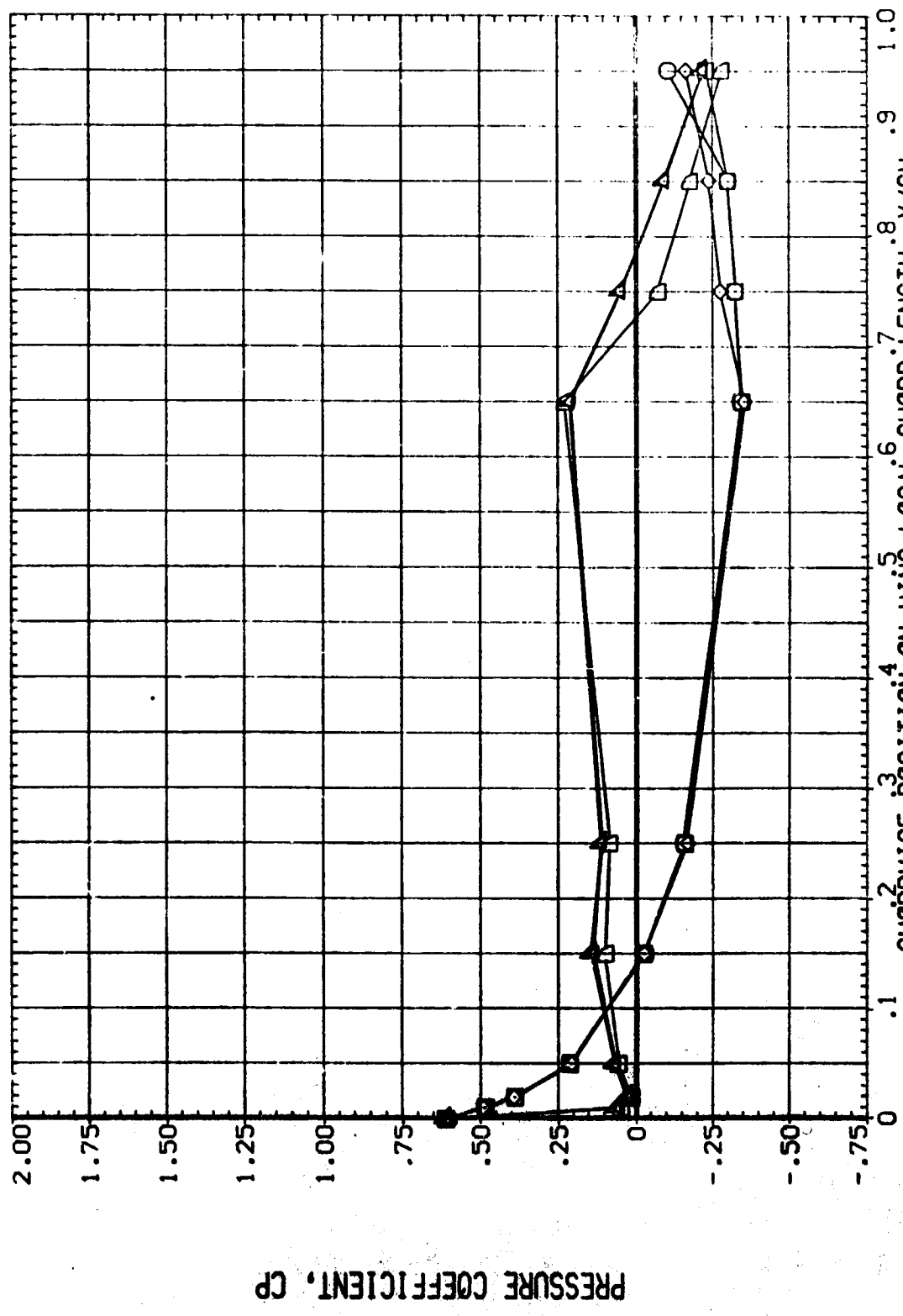


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV - LB	RN/FT	ELV - OB
(1ETU26)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETU28)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000
(1ETL28)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLM SEALED)	1.550	8.000	2.500	-4.000

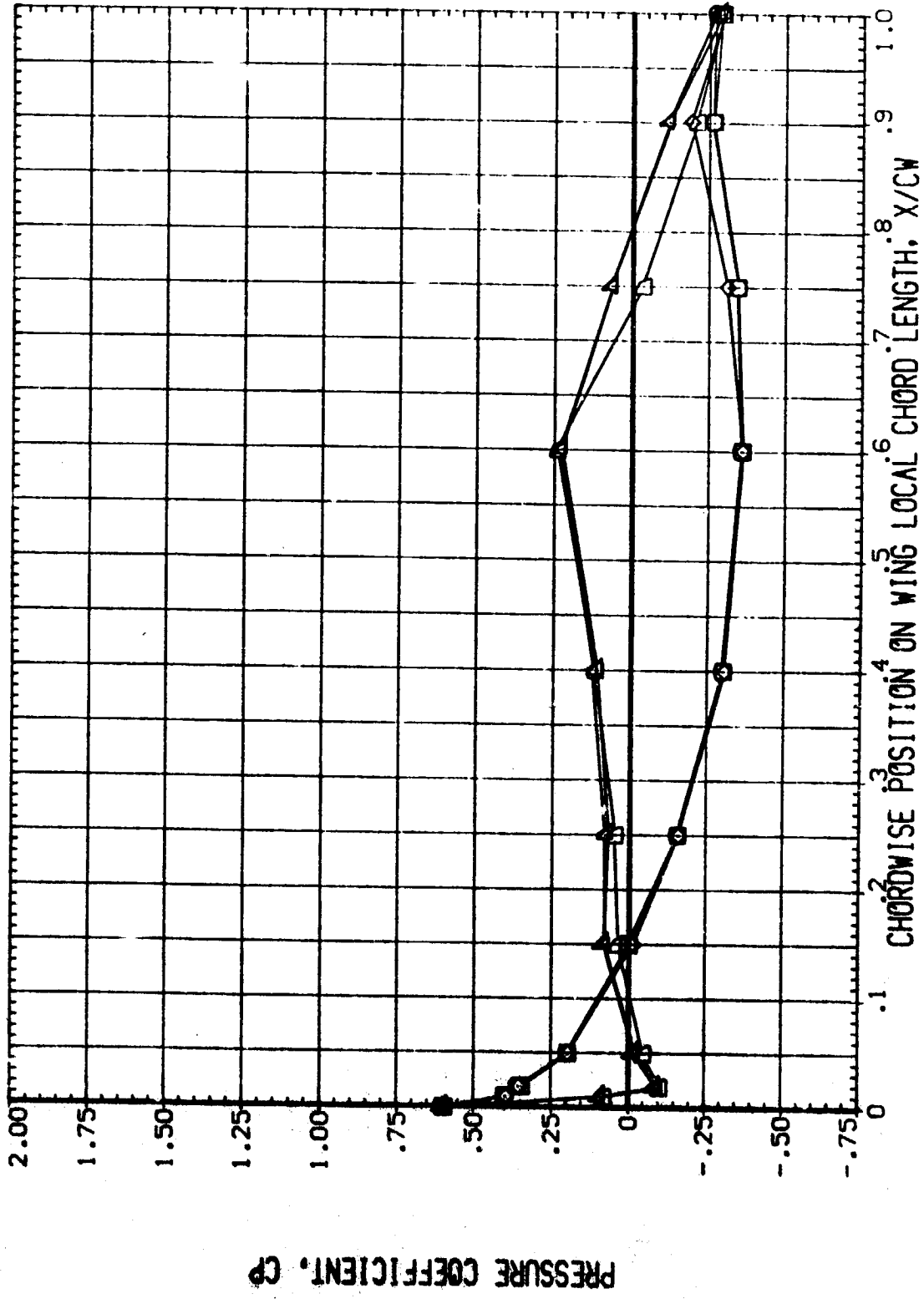
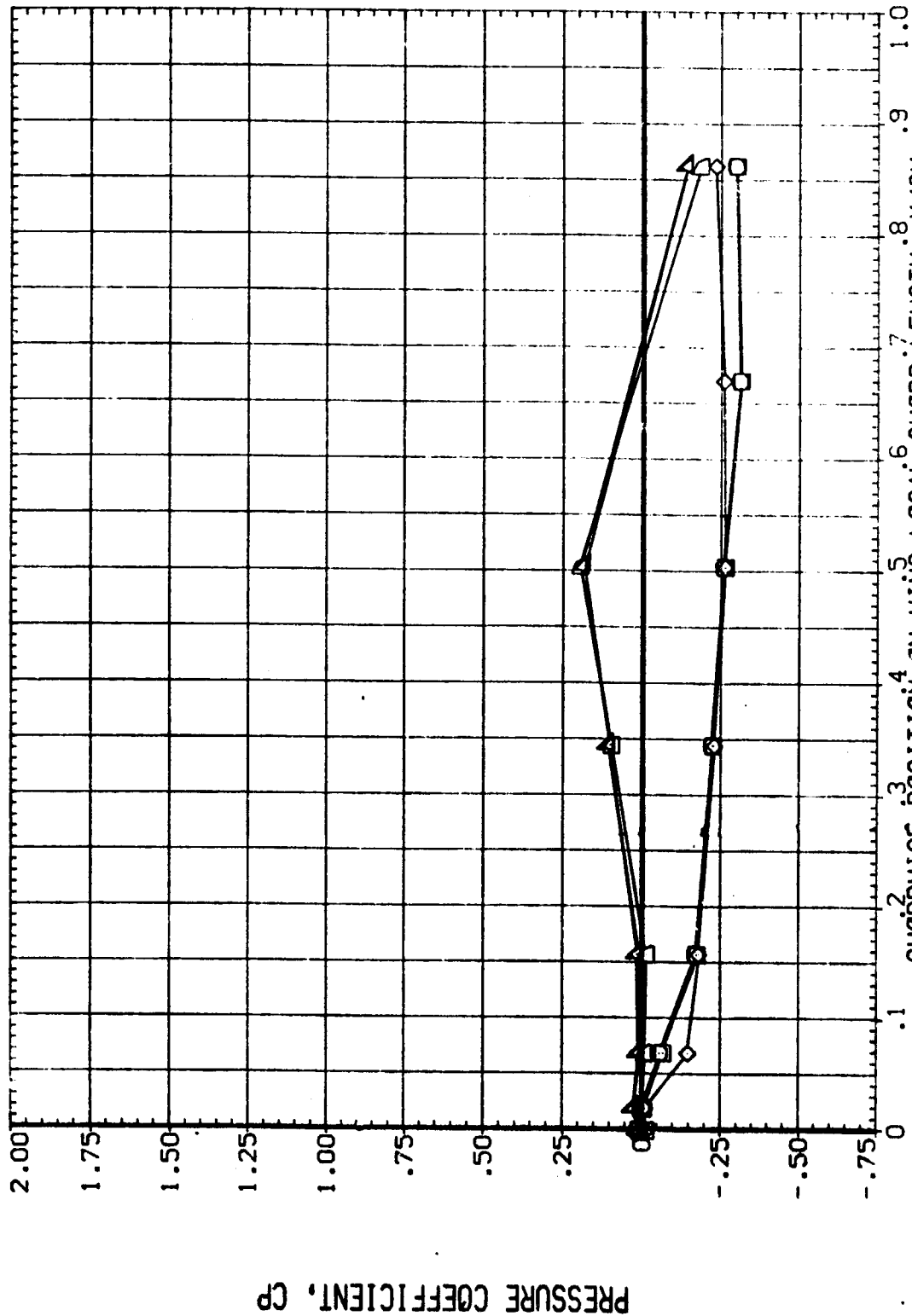


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .887

DATA POINT SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA = .000 BETA = 4.000 Y/BW = .972

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU39)	ARC57-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL43)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETL35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

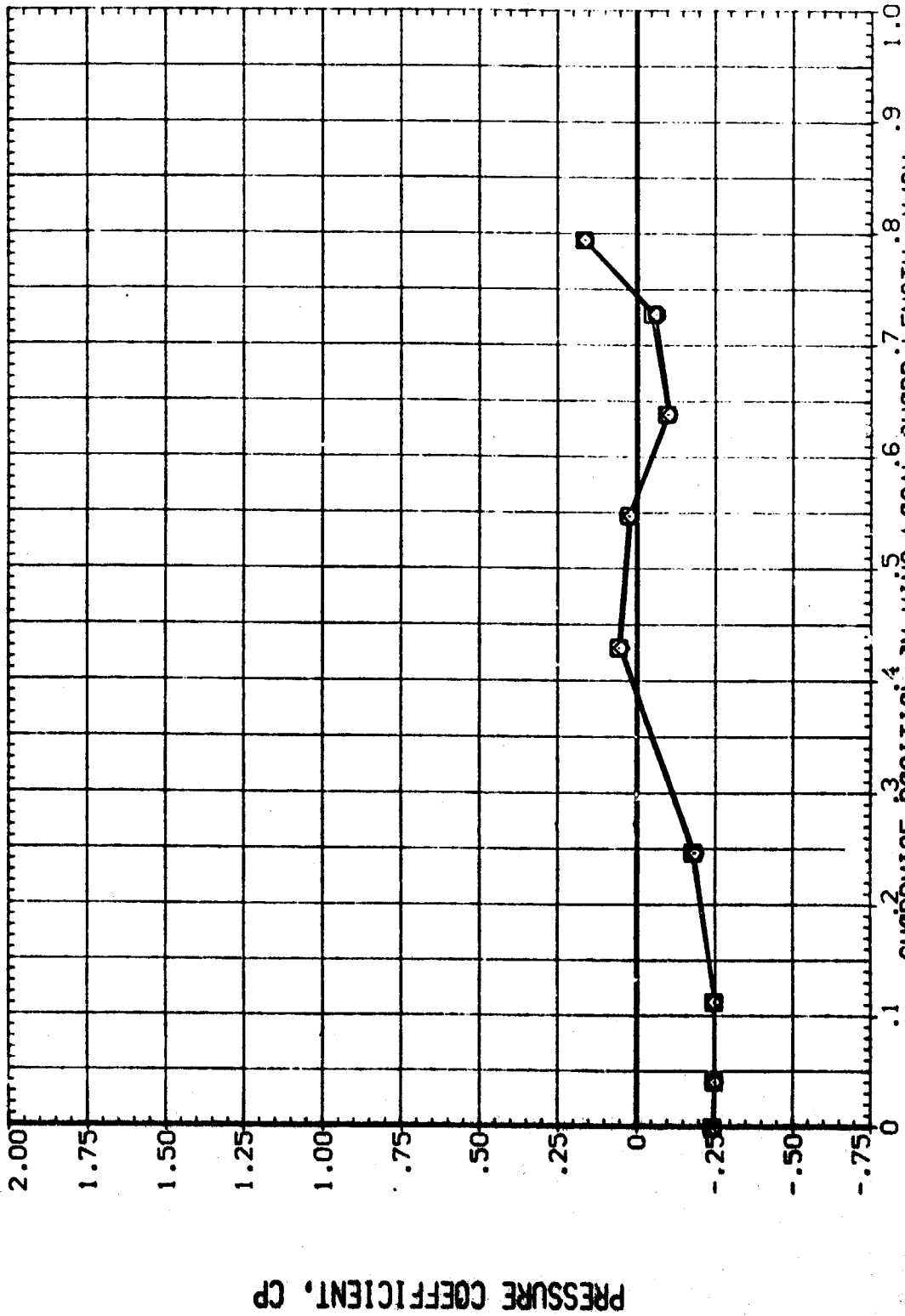


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA0 = .000 BETA0 = 6.000 Y/BW = .235 PAGE 1268

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELY-1B	RN/FT	ELY-0B
(1ETU3)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU5)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL3)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 [A3] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL5)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

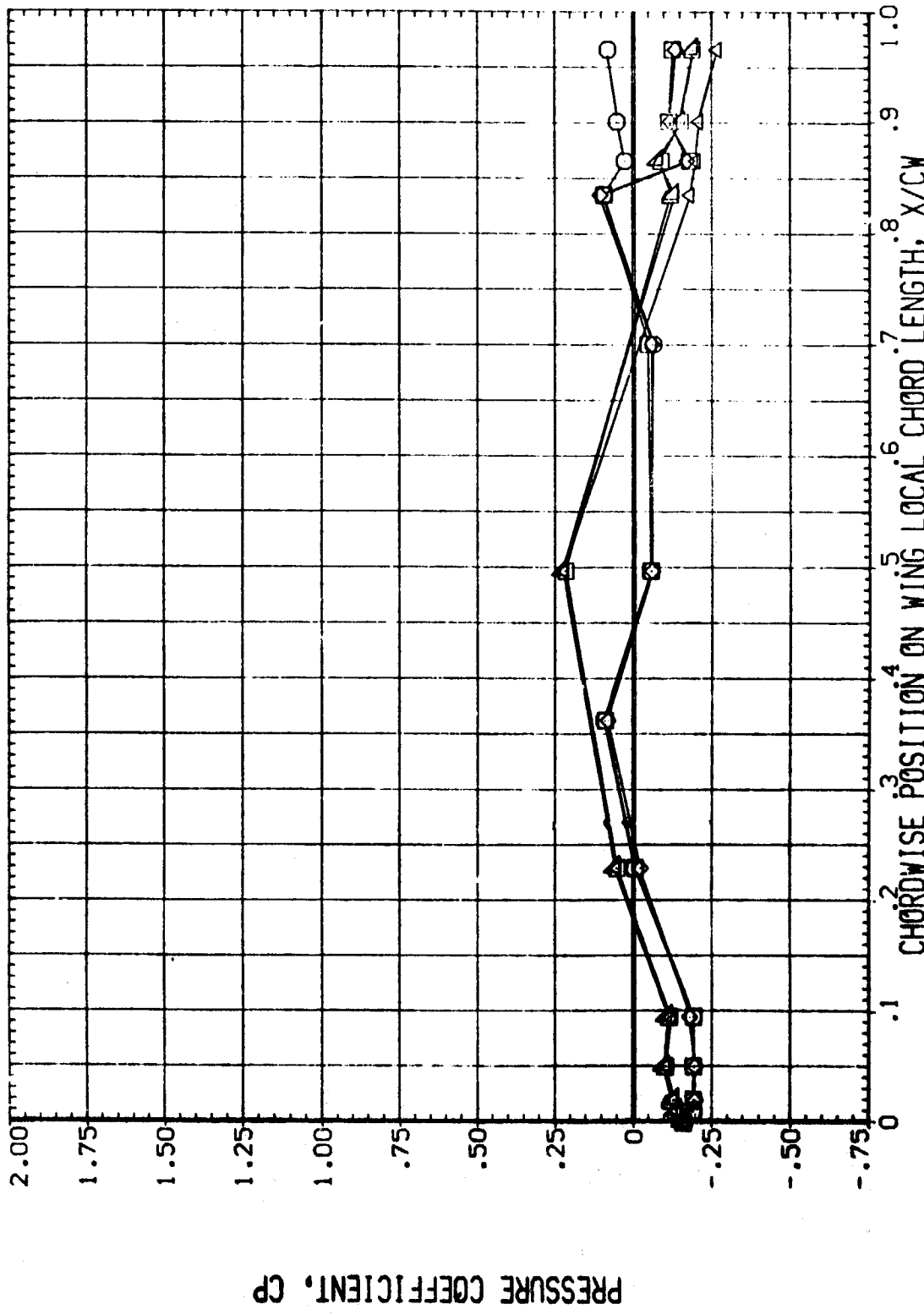


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV.-1B	RN/FT	ELV.-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

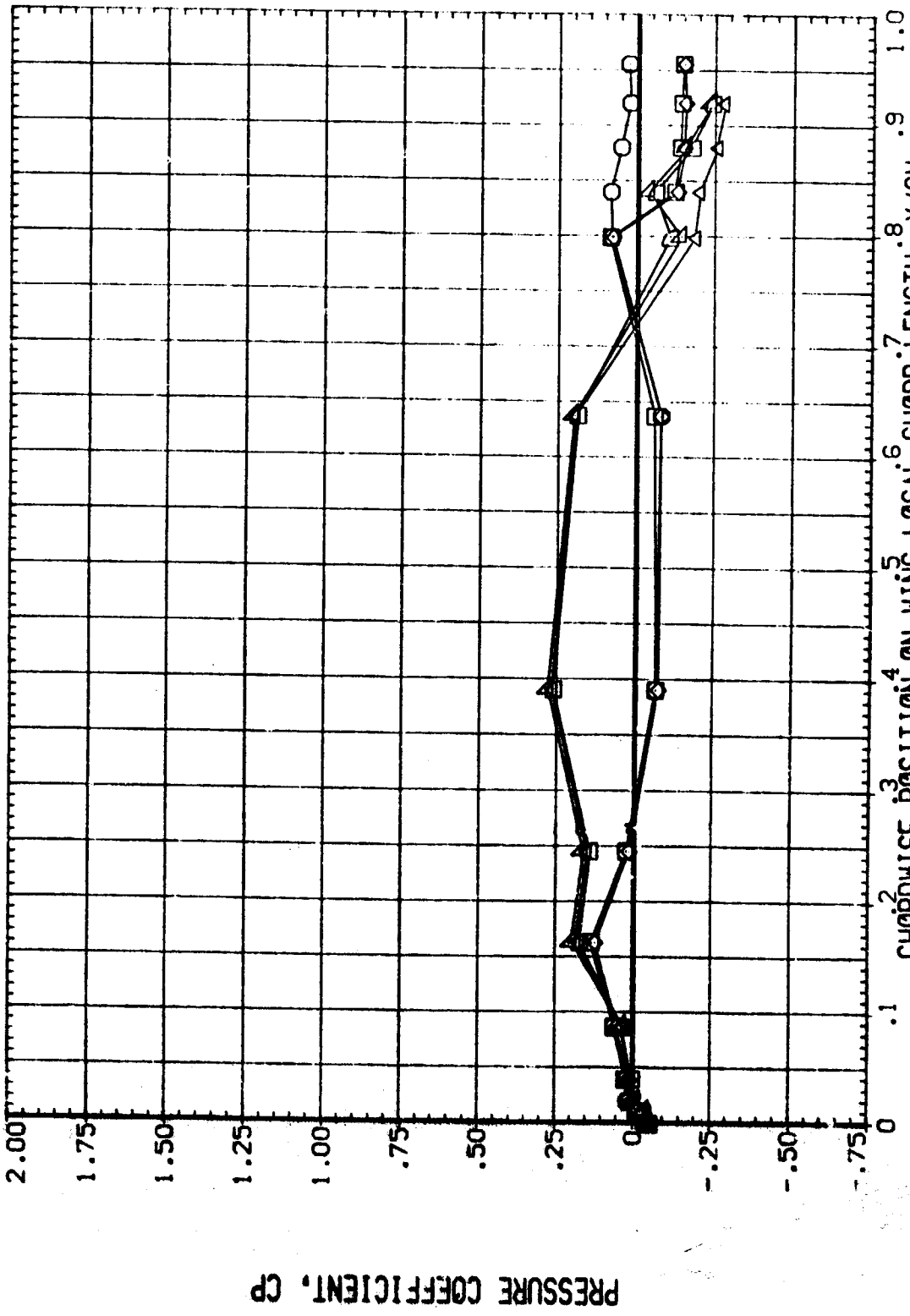


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA = .000 BETA = 6.000 Y/BW = .364 PAGE 1270

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETL-8)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU-3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU-5)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL-9)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL-13)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL-5)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

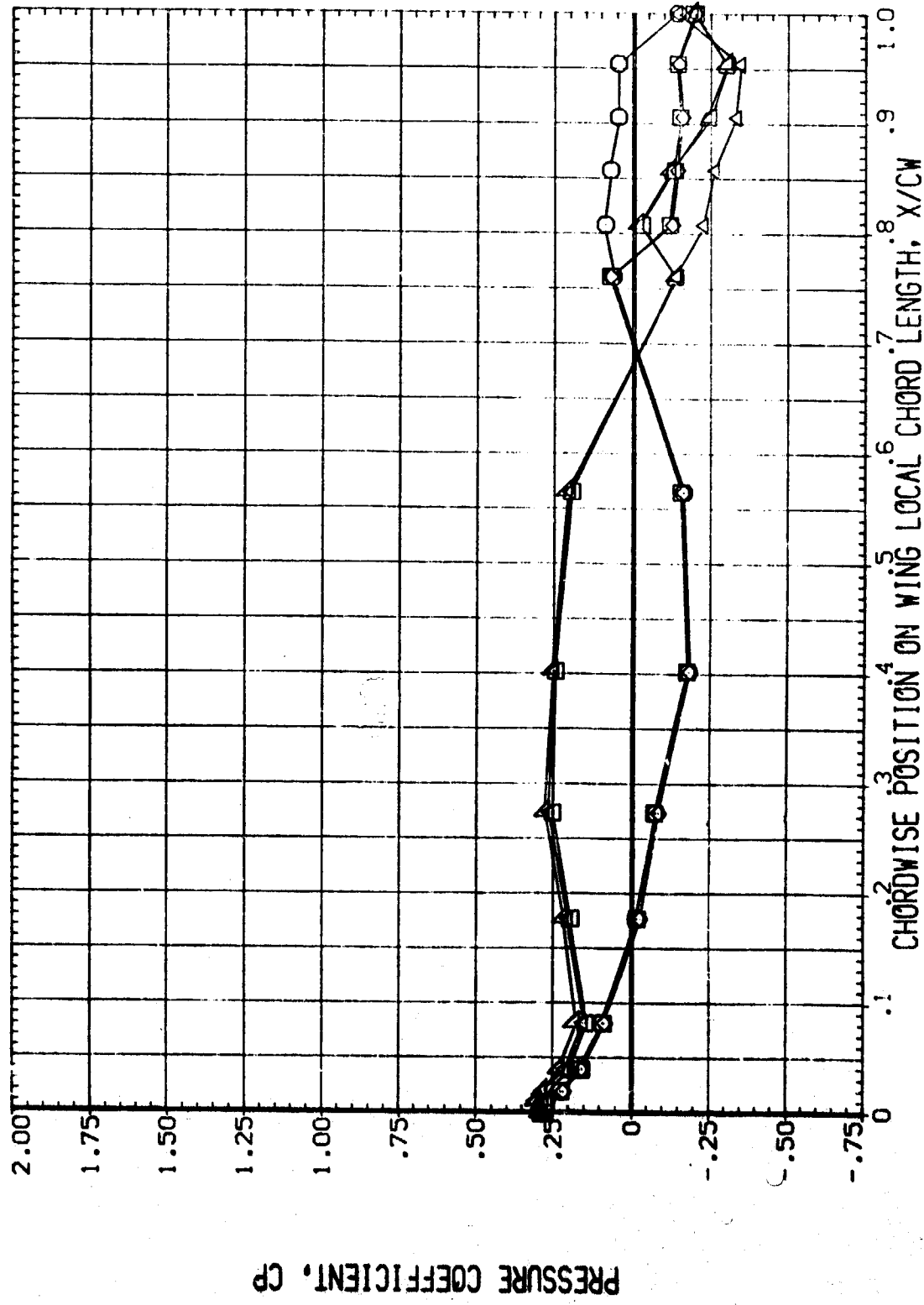


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA = .000 BETA = 6.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU38)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU42)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL35)	ARC97-019 (A81 LVAP(LALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

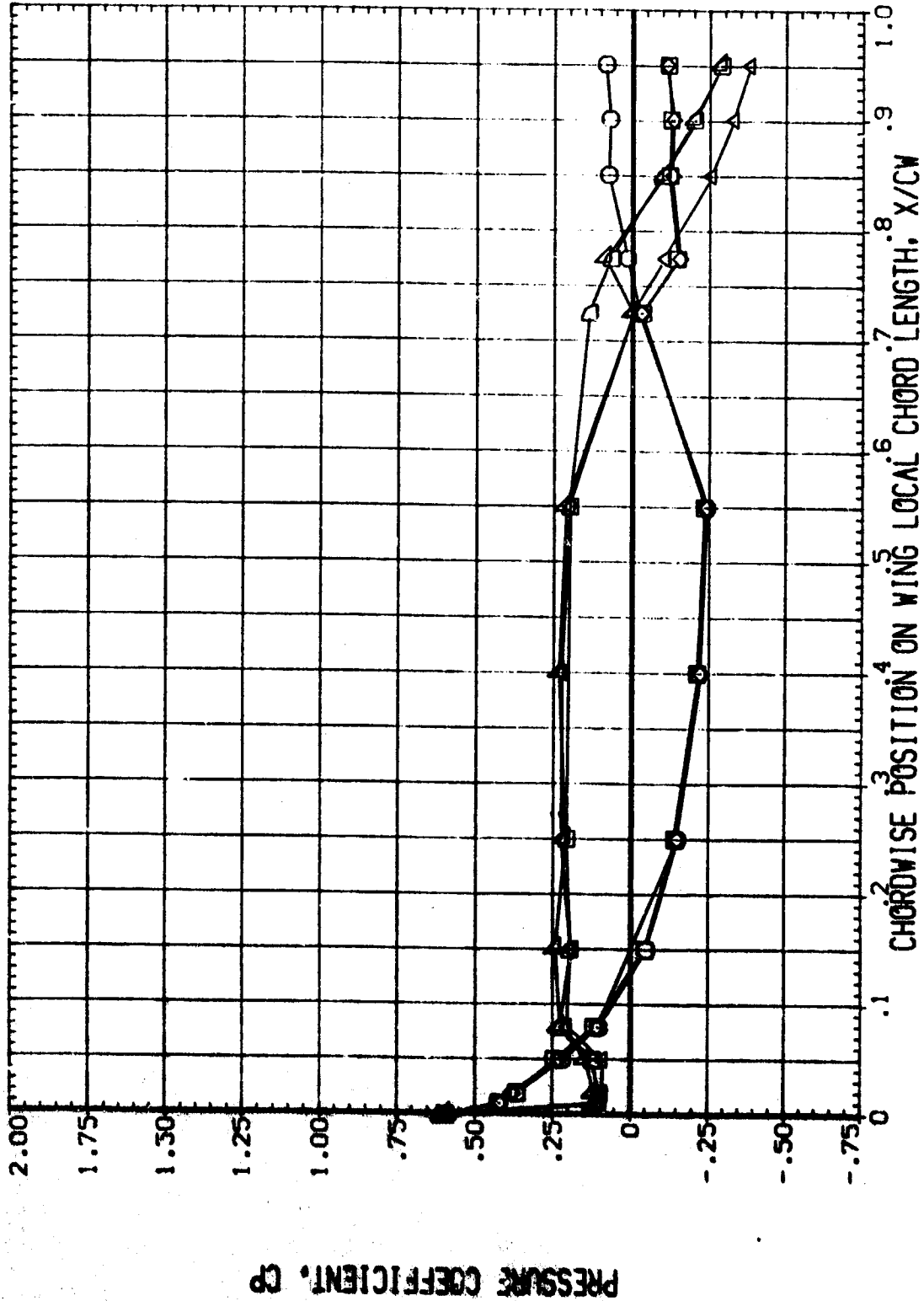


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA = .000 BETA = 6.000 Y/BW = .534 PAGE 1272

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETL29)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(JETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(JETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(JETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(JETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000

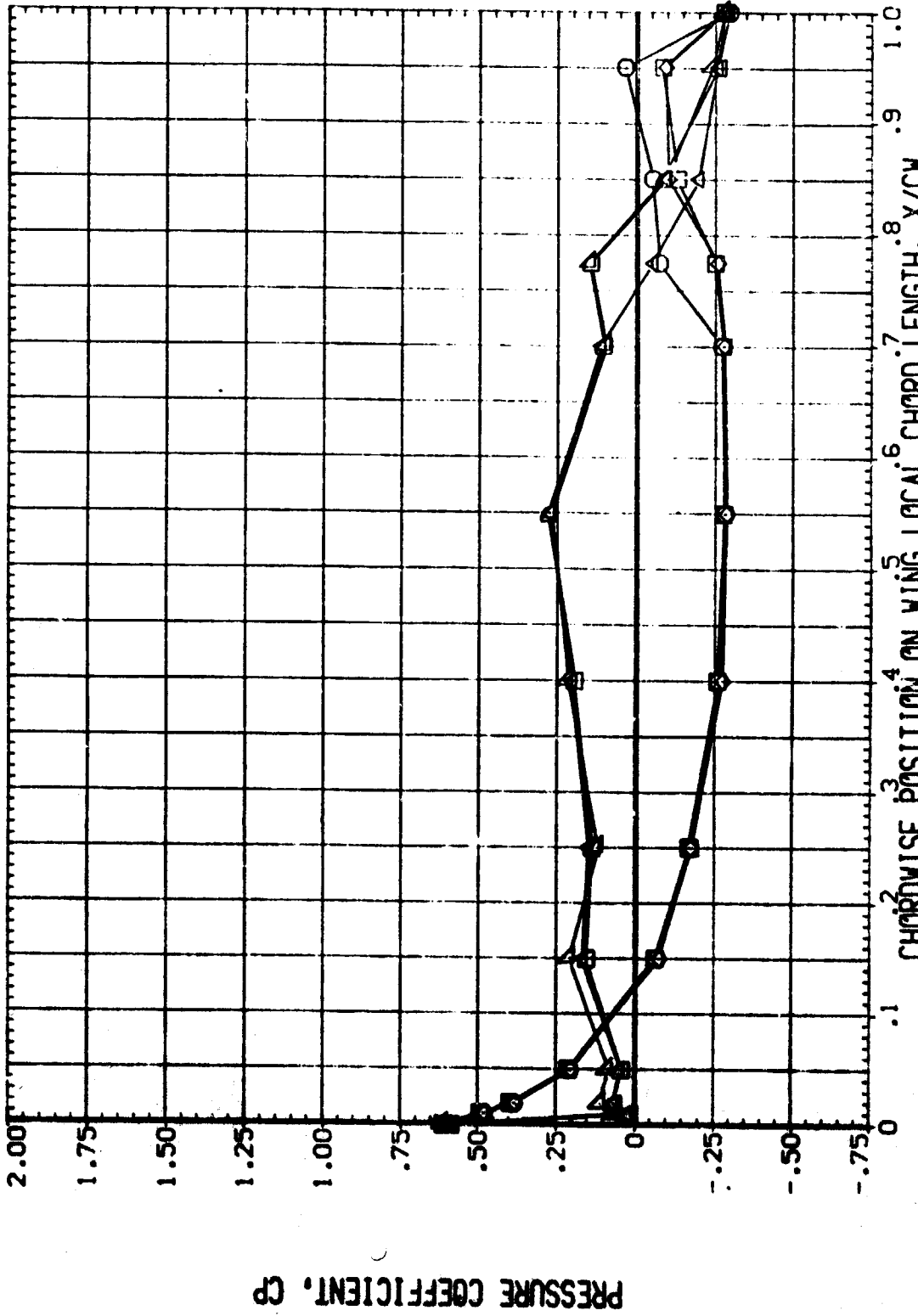


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA = 0.00, REYN = 6,000, Y/PW = 672, PAGE 1272

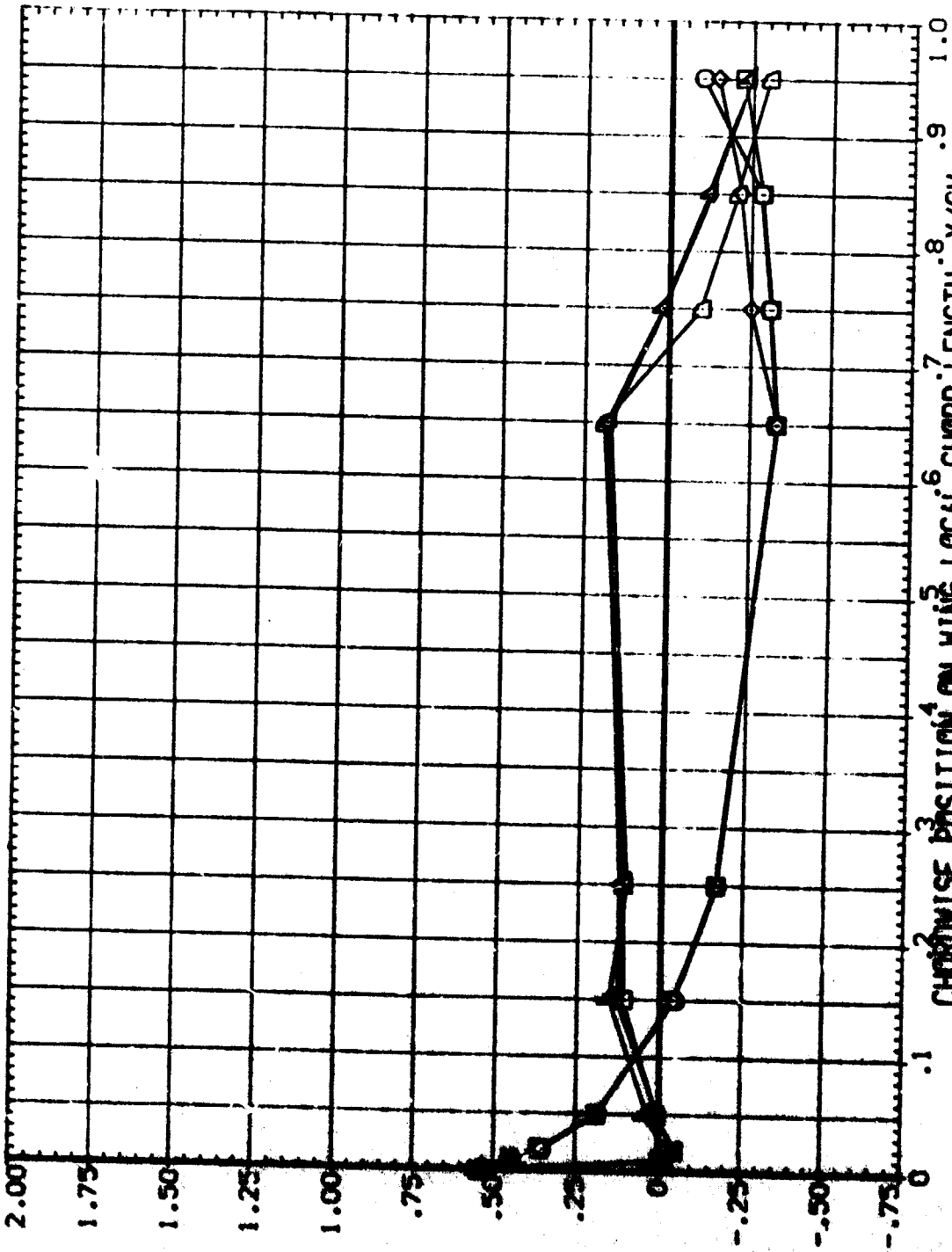
DATA SET SYMBOL
 (0 0 0)
 (0 0 0)
 (0 0 0)
 (0 0 0)
 (0 0 0)
 (0 0 0)

CONFIGURATION DESCRIPTION

MAC97-019 IAS1 LVAP(ALL) SEALED) LEFT WING TOP
 MAC97-019 IAS1 LVAP(ALL) SEALED) LEFT WING TOP
 MAC97-019 IAS1 LVAP(ALL) SEALED) LEFT WING BOT.
 MAC97-019 IAS1 LVAP(ALL) SEALED) LEFT WING BOT.

MACH ELV-1B ELV-0B
 1.550 8.000 8.000
 1.550 8.000 8.000
 1.550 8.000 8.000
 1.550 8.000 8.000

RM/FT



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION³ ON WING LOCAL CHORD⁷ LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA = .000 BETA = 6.000 Y/BW = .780

DATA SET SYMBOL: CONFIGURATION DESCRIPTION MACH ELEV-18 RN/FT ELEV-08

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELEV-18	RN/FT	ELEV-08
(HETU43)	ARC97-019 IAS1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(HETU43)	ARC97-019 IAS1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(HETU43)	ARC97-019 IAS1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(HETU43)	ARC97-019 IAS1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

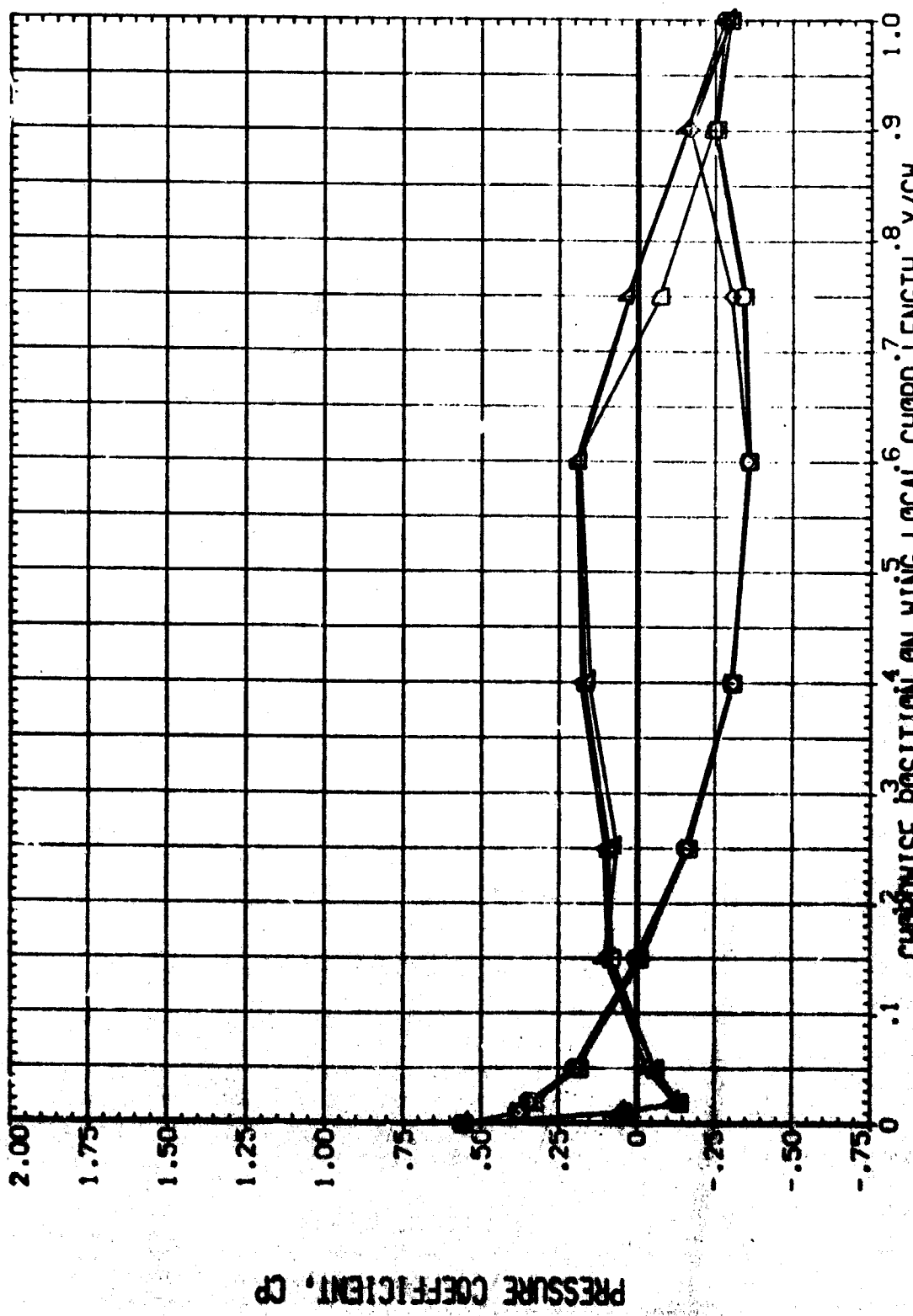


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55
 ALPHA= .000 BETA0 = 6.000 Y/BW = .887
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(JET09)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	.550	.000	2.500	.000
(JET043)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	.550	8.000	2.500	.000
(JET025)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	.550	.000	2.500	-4.000
(JETL39)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	.550	8.000	2.500	.000
(JETL43)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	.550	.000	2.500	.000
(JETL35)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	.550	8.000	2.500	-4.000

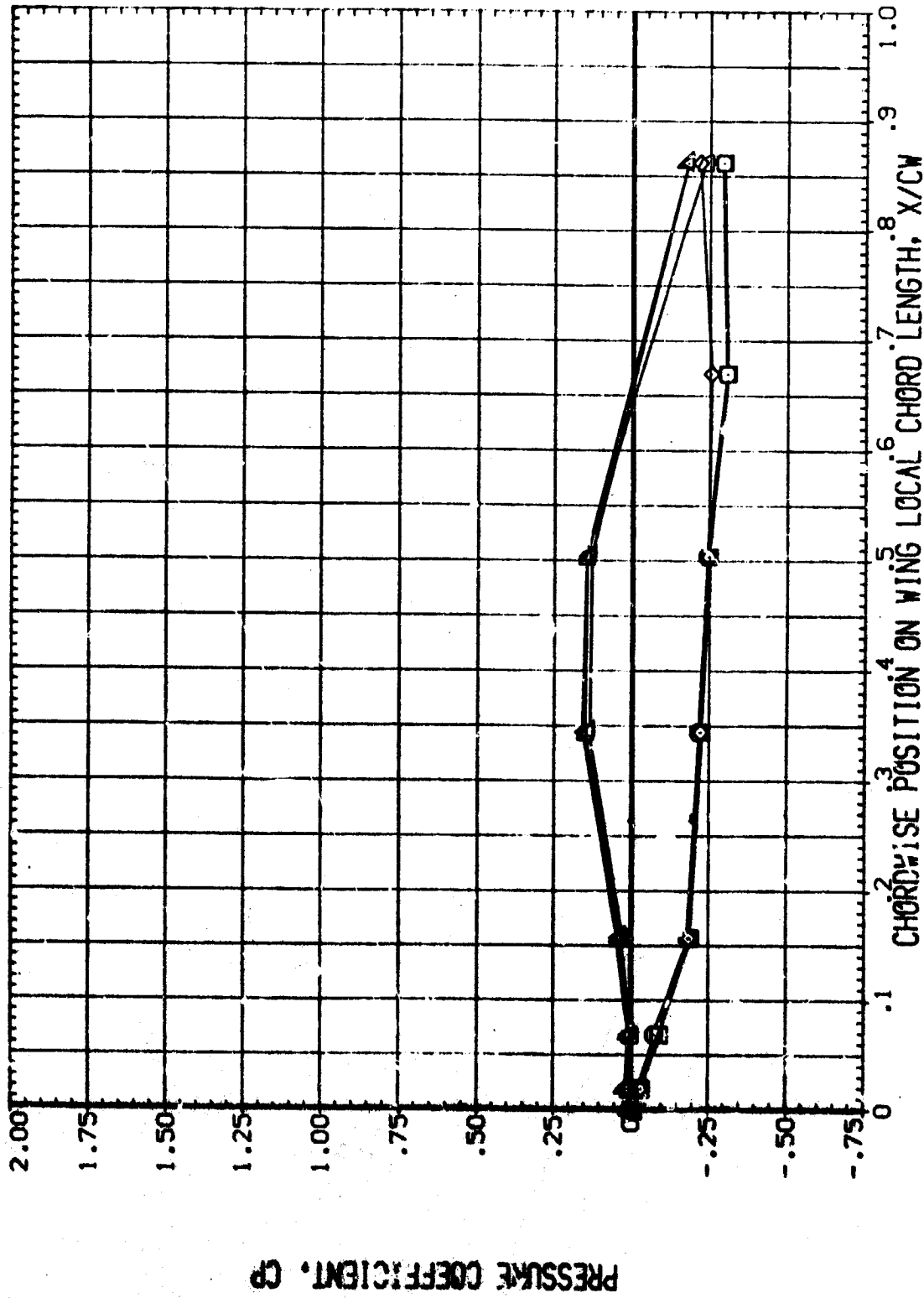


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

ALPHA = .000 BETA = 6.000 Y/BW = .972 PAGE 1276

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETI39)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETI13)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETI35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

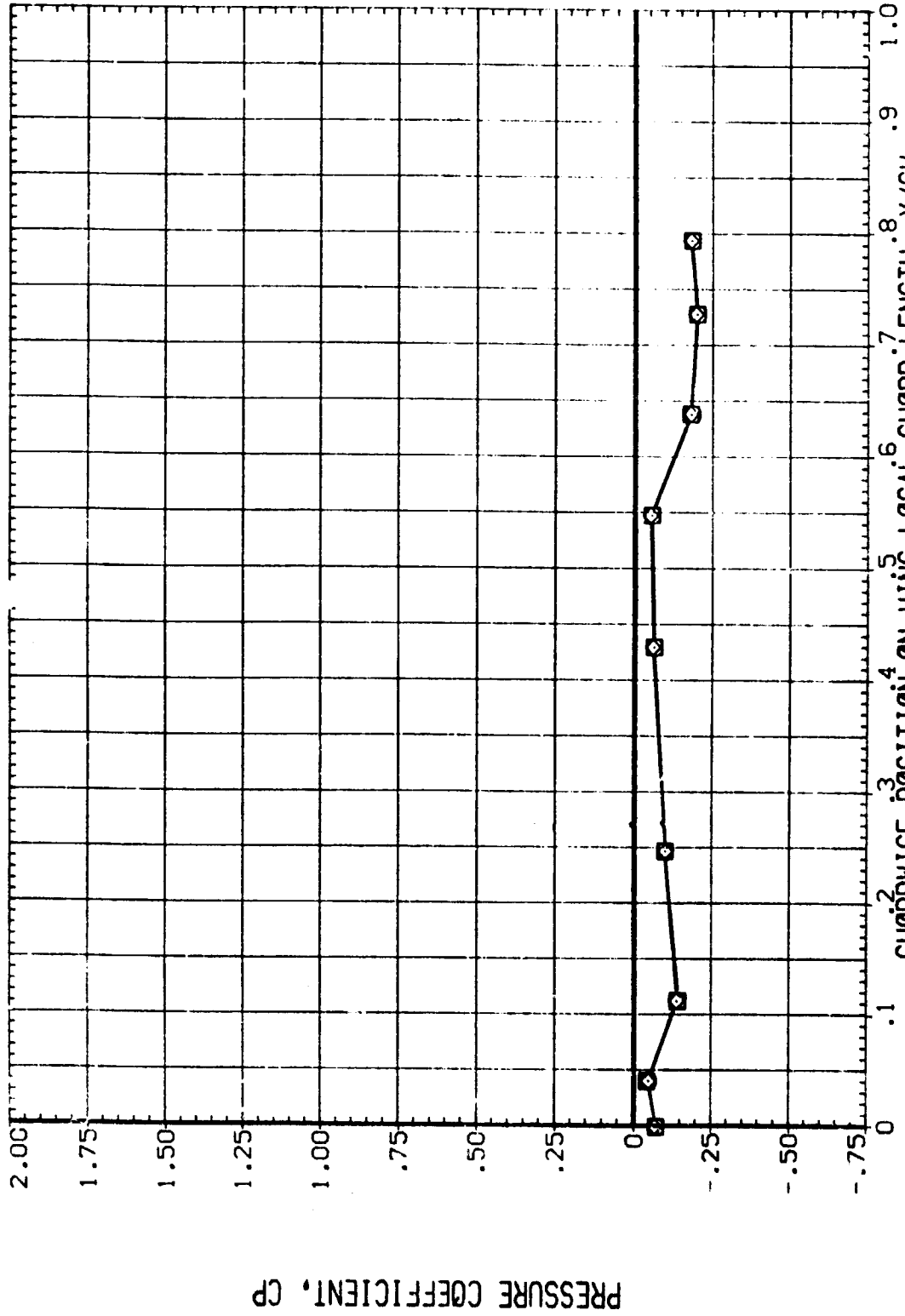


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU39)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL39)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

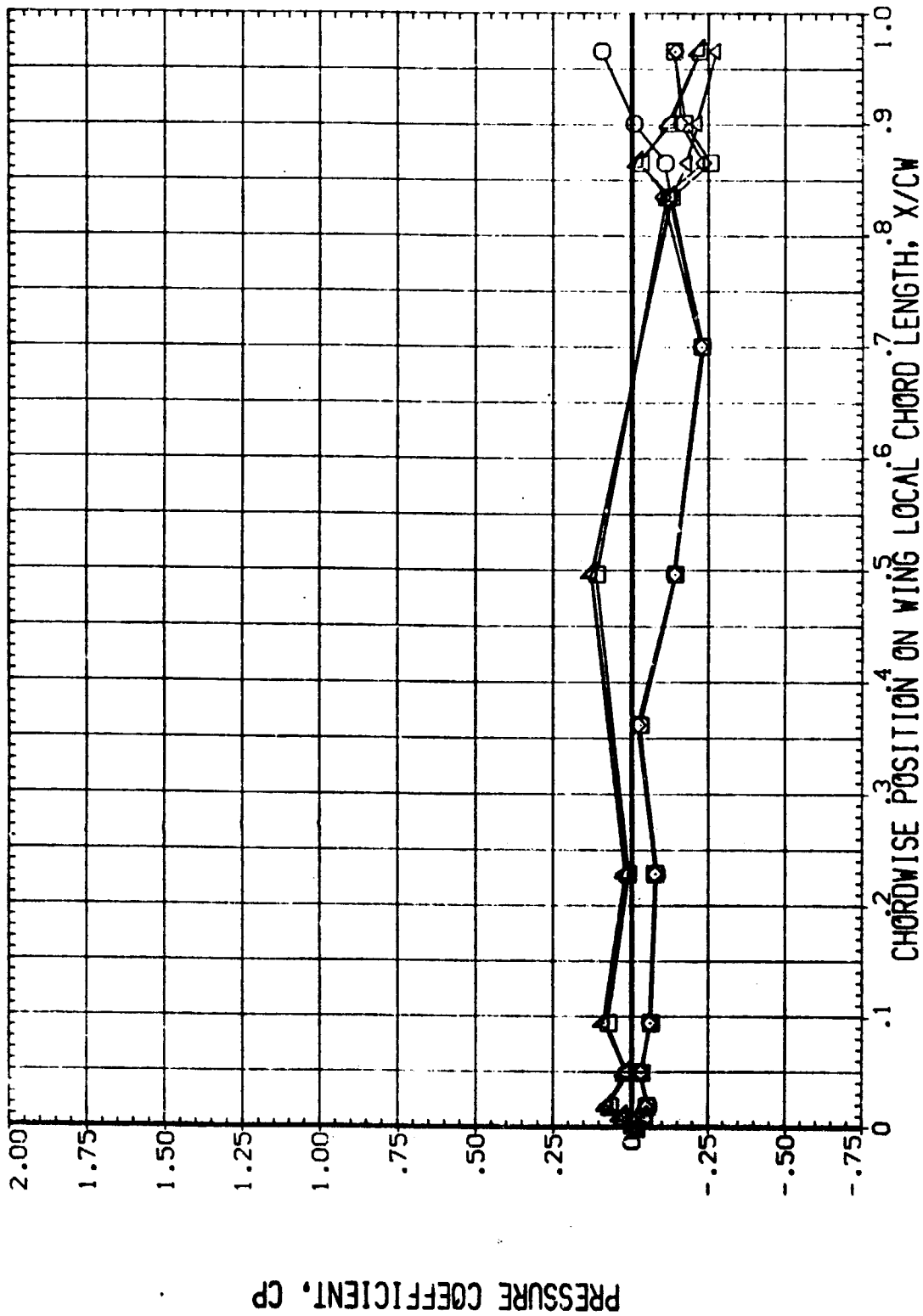
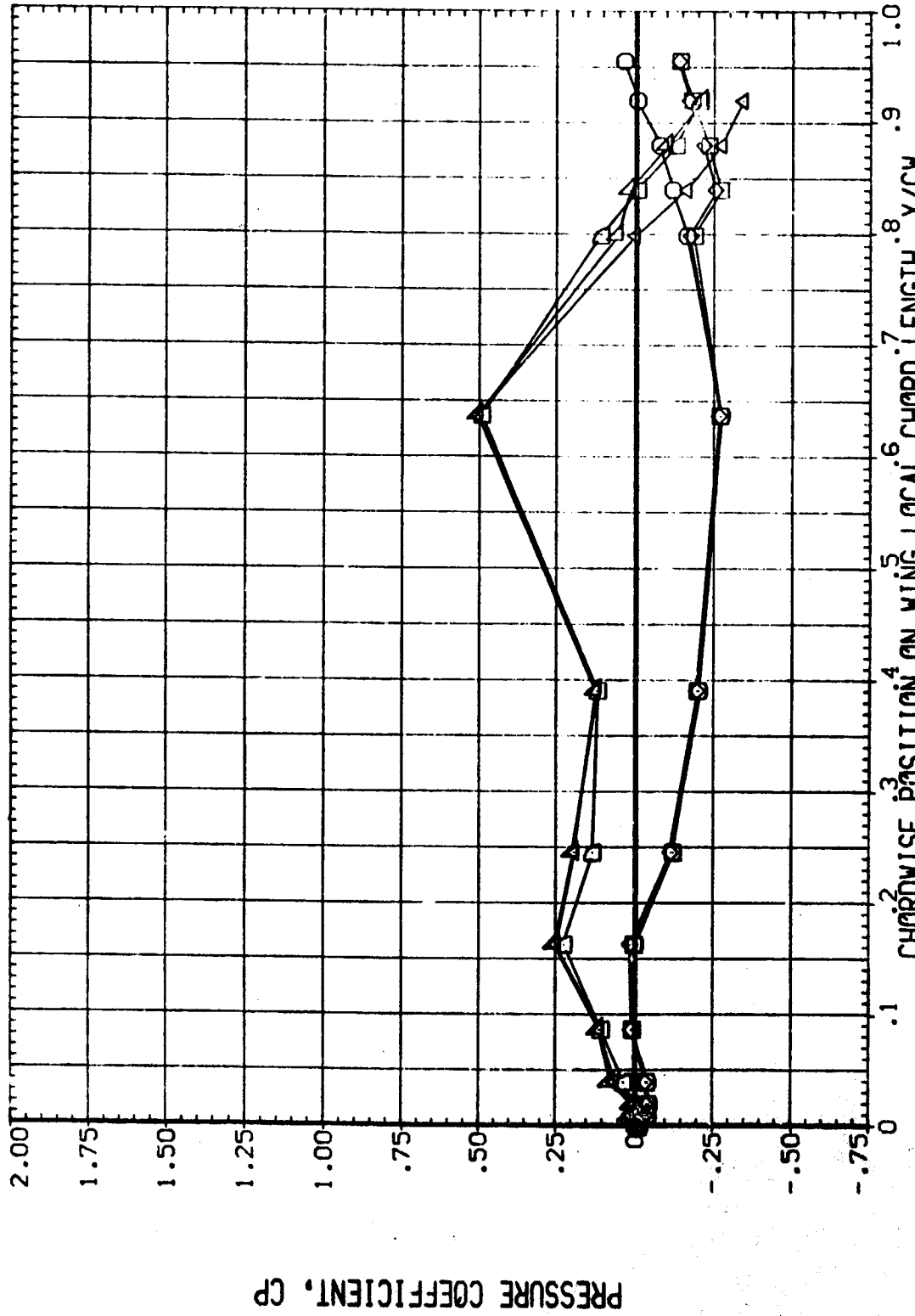


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0, MACH = 1.55
 ALPHA= 4.000 BETA= -4.000 Y/BW = .299 PAGE 1278

DATA SET SYM30L	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETU 3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

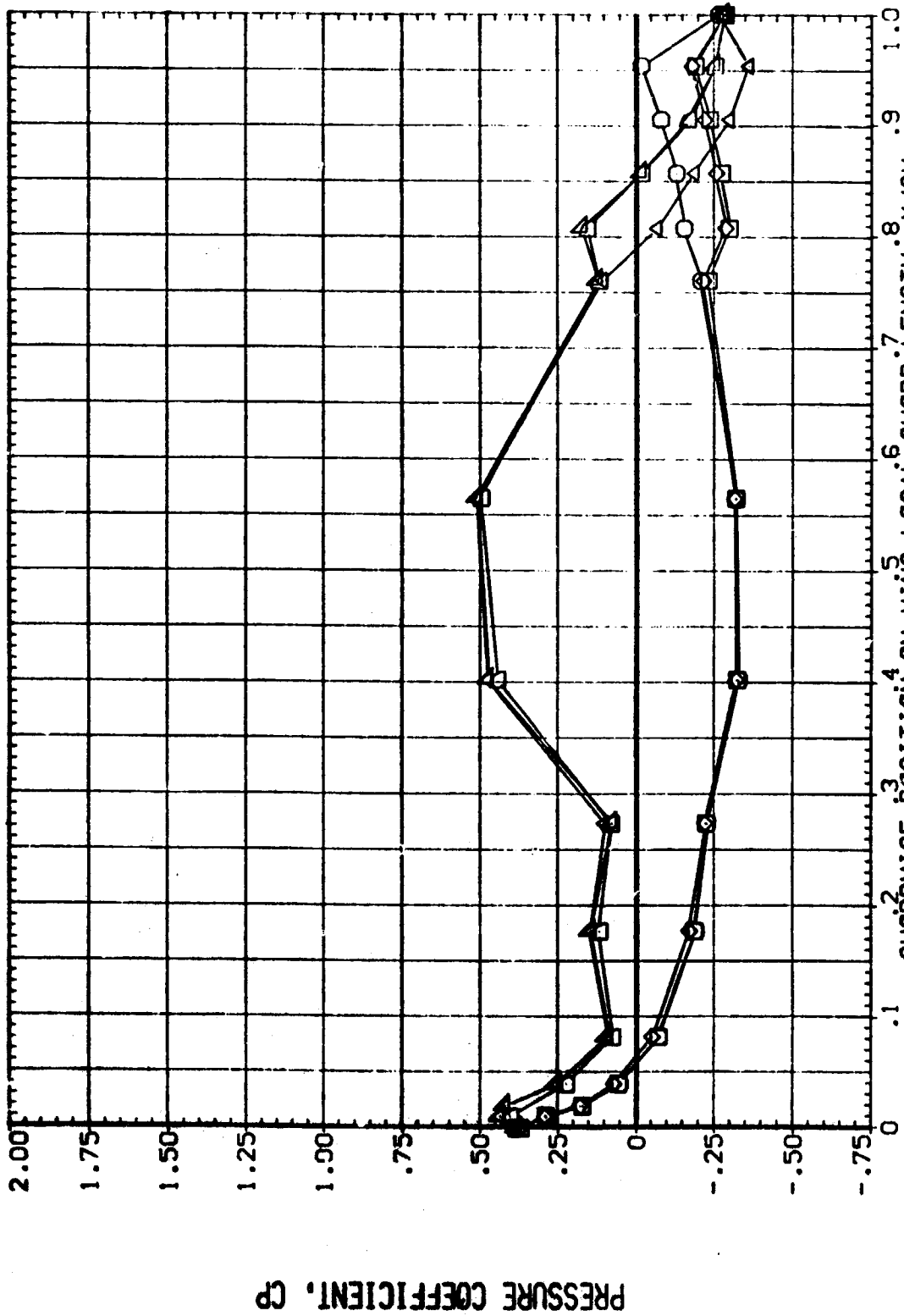


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55
 ALPHA0= 4.000 BETA0 = -4.000 Y/BW = .427
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 PAGE 1280

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVARCALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	AP197-019 IAB1 LVARCALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVARCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVARCALLM SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVARCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVARCALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

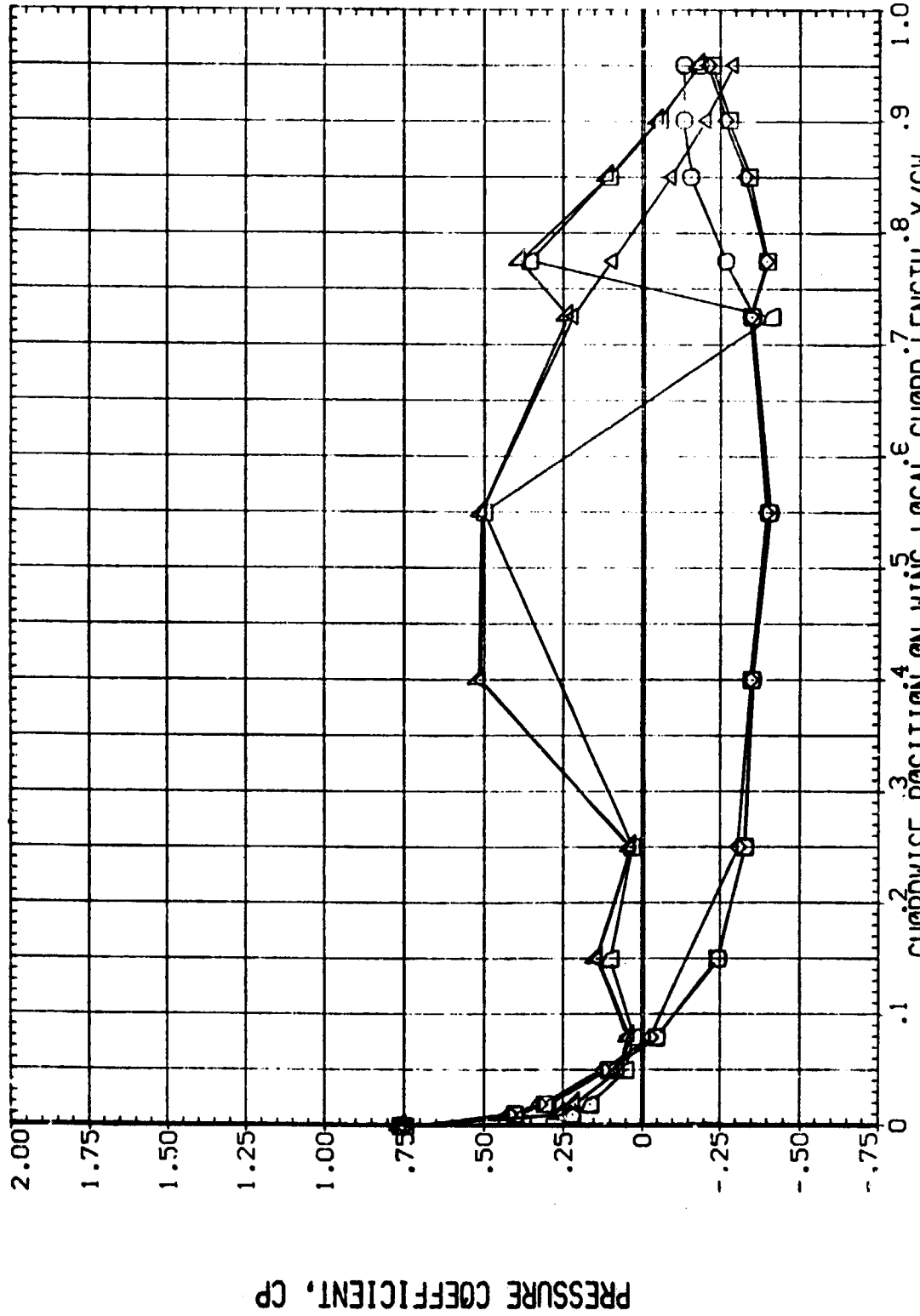


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA= 4.000 BETA0 = -4.000 Y/BW = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B

(IETU39) ARC97-019 [AB1 LVAP(ALLHL SEALED) LEFT WING TOP 1.550 .000 2.500 .000

(IETU43) ARC97-019 [AB1 LVAP(ALLHL SEALED) LEFT WING TOP 1.550 8.000 2.500 .000

(IETU35) ARC97-019 [AB1 LVAP(ALLHL SEALED) LEFT WING TOP 1.550 8.000 2.500 -4.000

(IETL39) ARC97-019 [AB1 LVAP(ALLHL SEALED) LEFT WING BOT. 1.550 .000 2.500 .000

(IETL43) ARC97-019 [AB1 LVAP(ALLHL SEALED) LEFT WING BOT. 1.550 8.000 2.500 -4.000

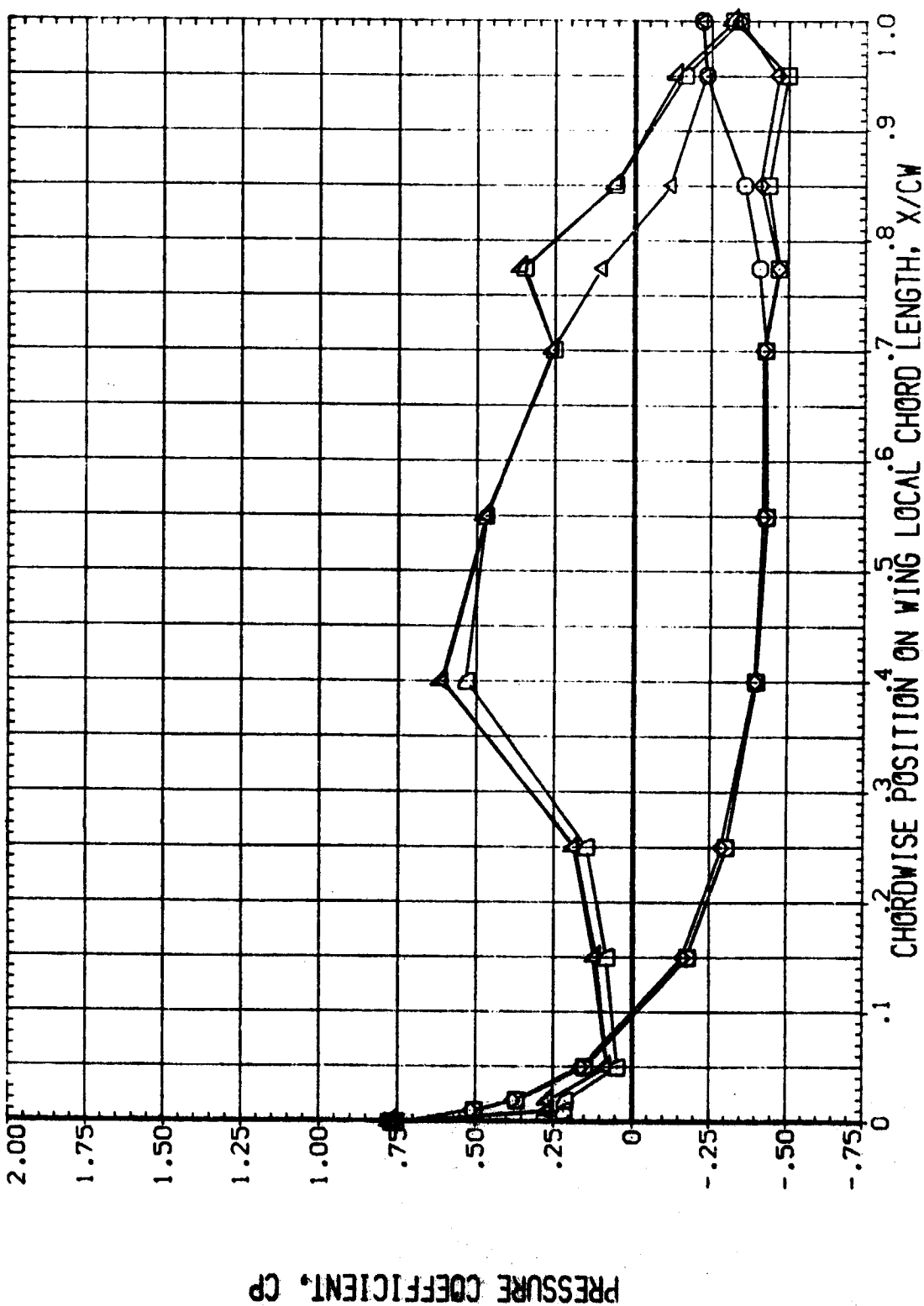


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .673 PAGE 1282

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

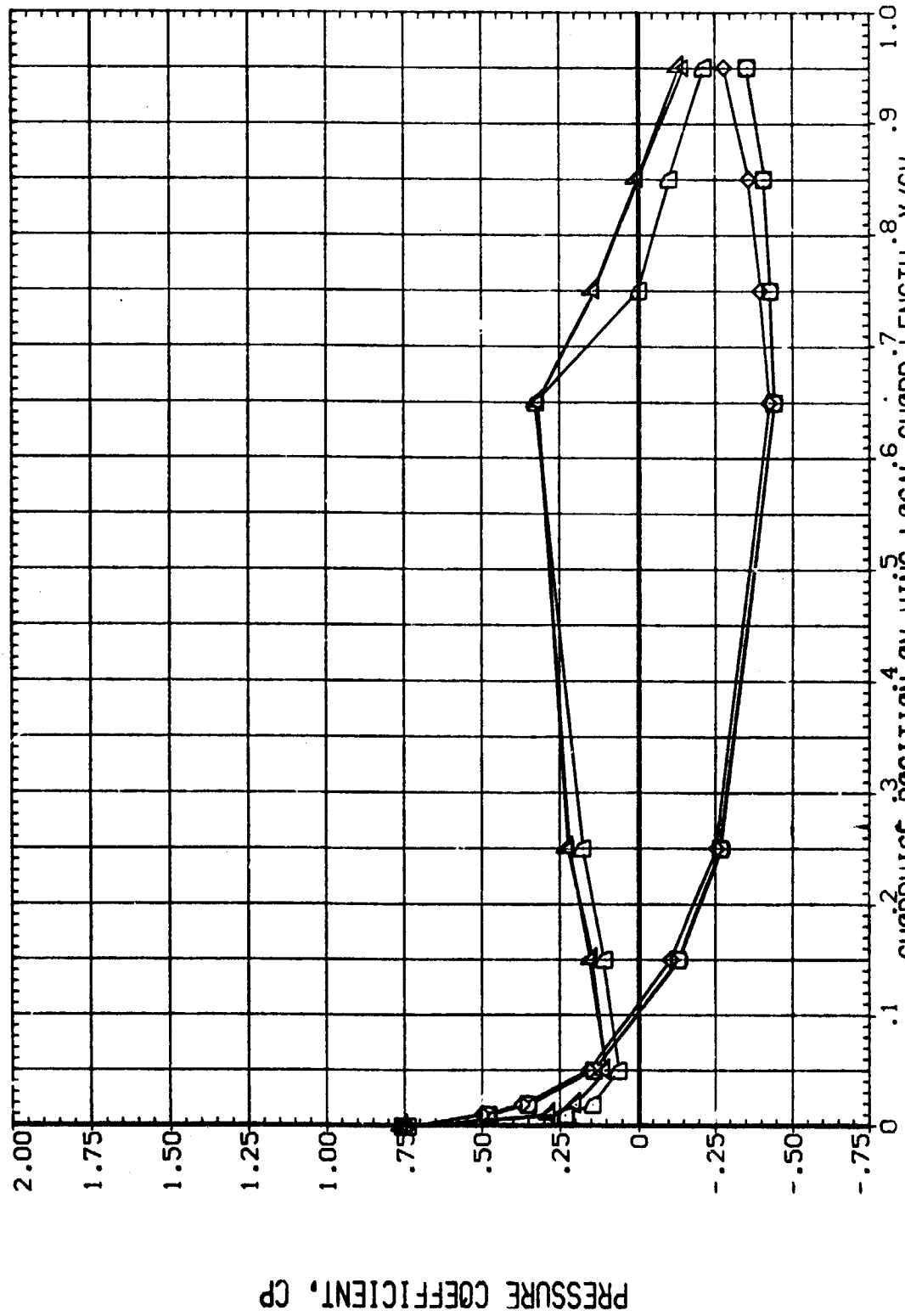


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA = 4.000 BETA = -4.000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-TB	RN/FT	ELV-OB
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

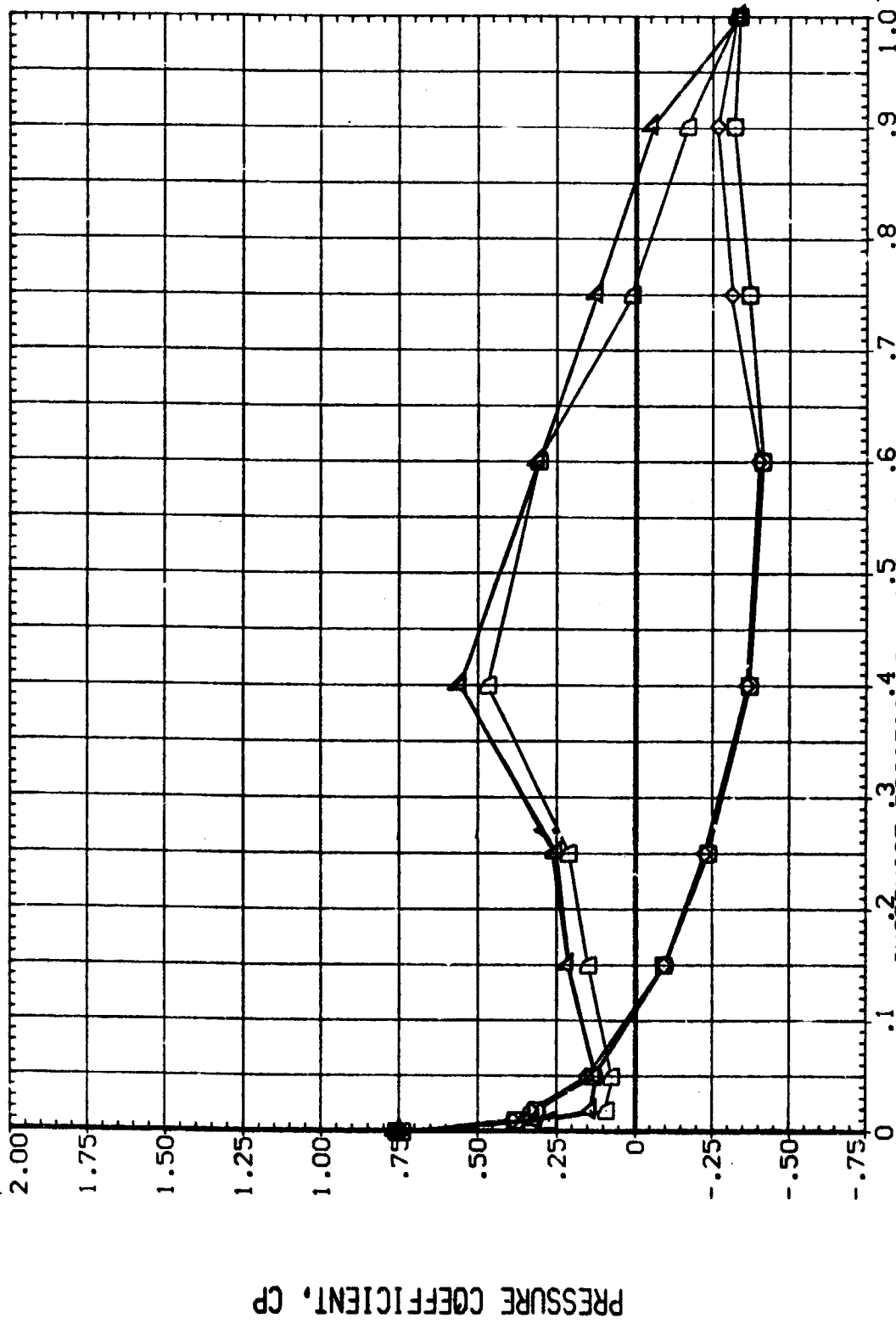


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .887 PAGE 1284

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(JETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(JETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(JETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(JETL33)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

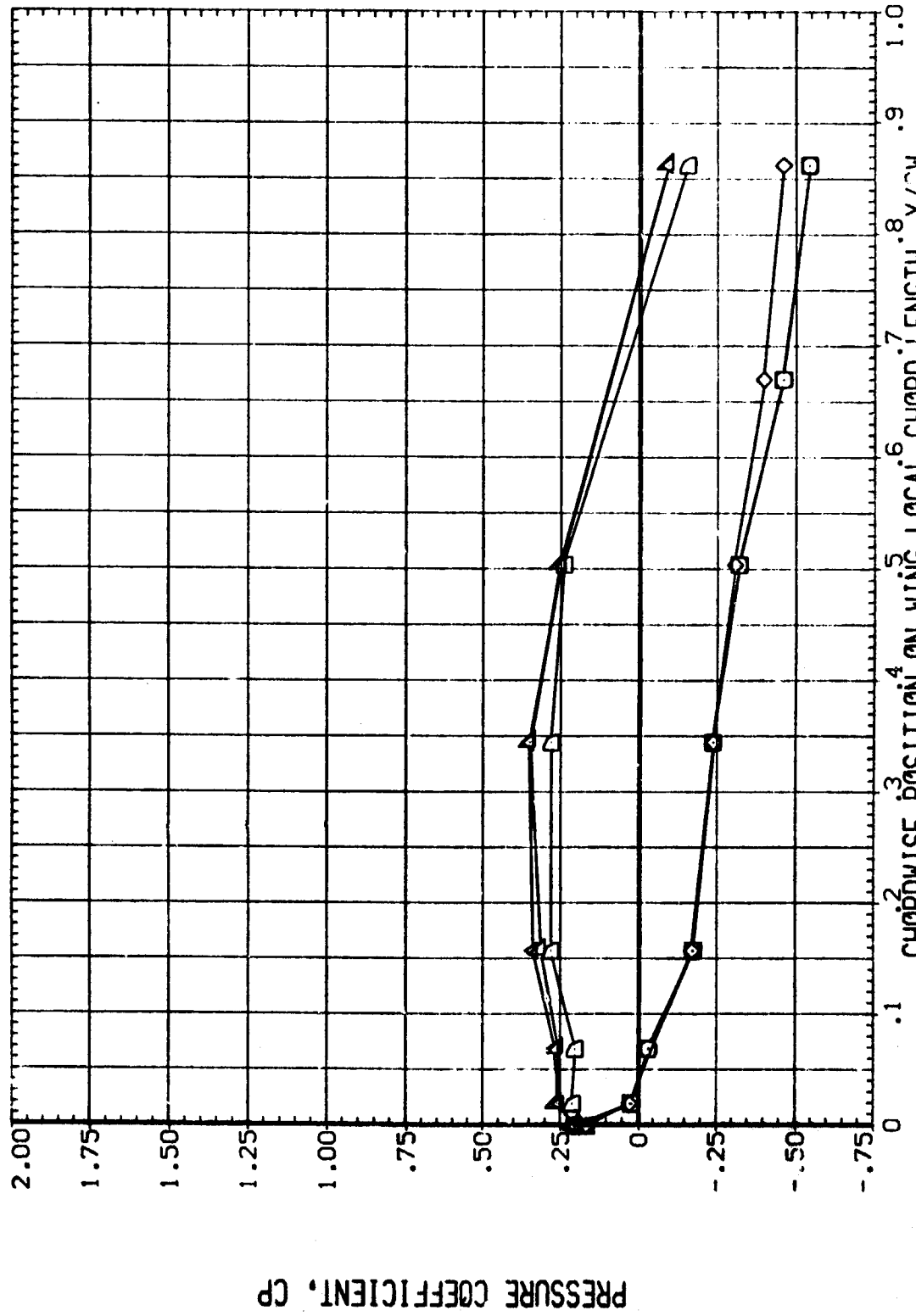


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (IETL09) (IETL13) (IETL35) (IETL43) (IETL95)

ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE

MACH ELV-IB ELV-OB
 1.550 .000 2.500
 1.550 8.000 2.500
 1.550 8.000 2.500
 1.550 8.000 2.500
 1.550 8.000 2.500

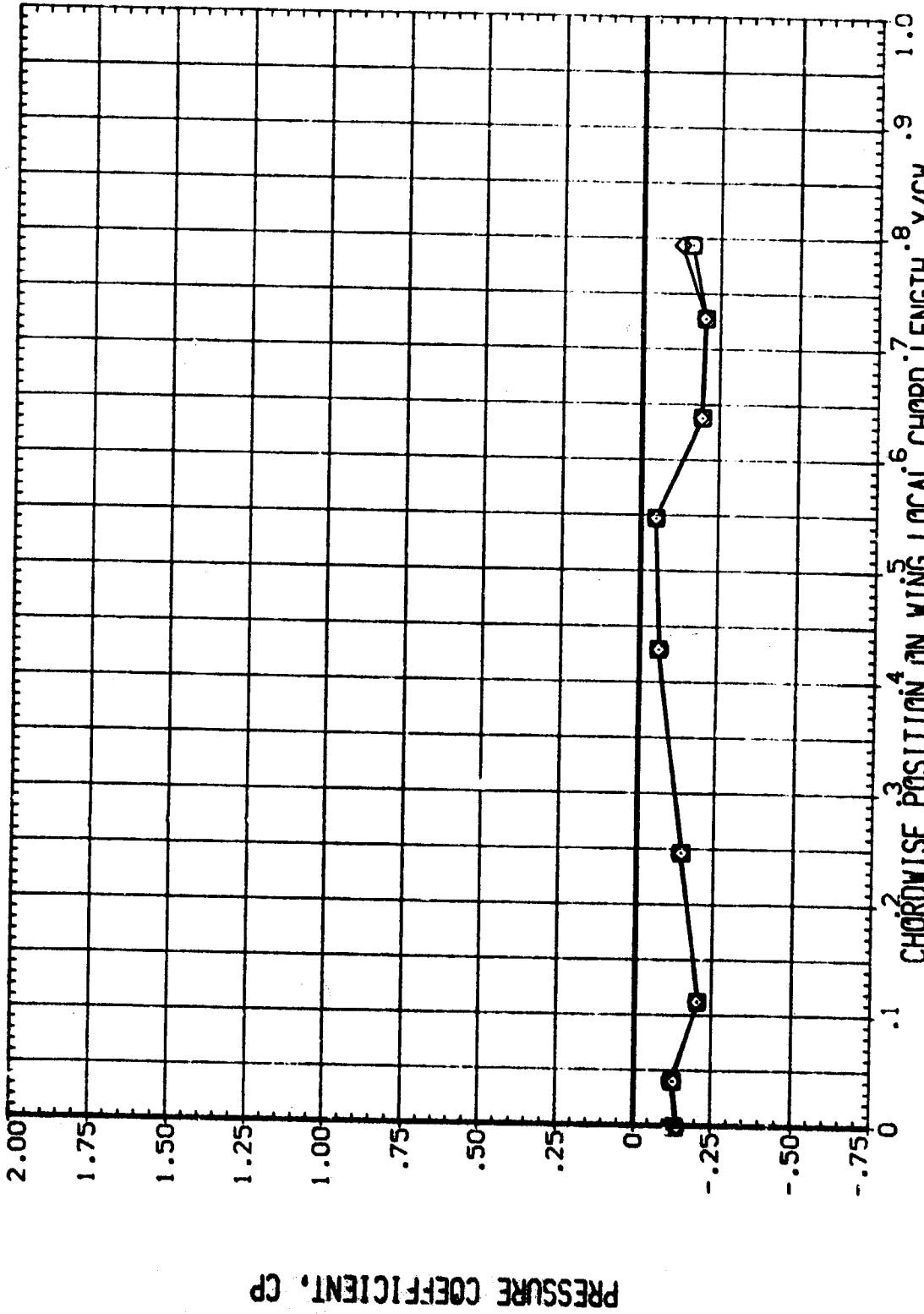


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0, MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = 4.000 BETA = .000 Y/BW = .235 PAGE 1286

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-08
(JETL39)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING TOP	1.550	.000	2.500	.000
(JETL43)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING TOP	1.550	8.000	2.500	.000
(JETL75)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING TOP	1.550	8.000	2.500	-4.000
(JETL49)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING BOT.	1.550	.000	2.500	.000
(JETL33)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING BOT.	1.550	8.000	2.500	.000
(JETL76)	ARC97-019	IAB1 LVAP(ALLHL)	LEFT WING BOT.	1.550	8.000	2.500	-4.000

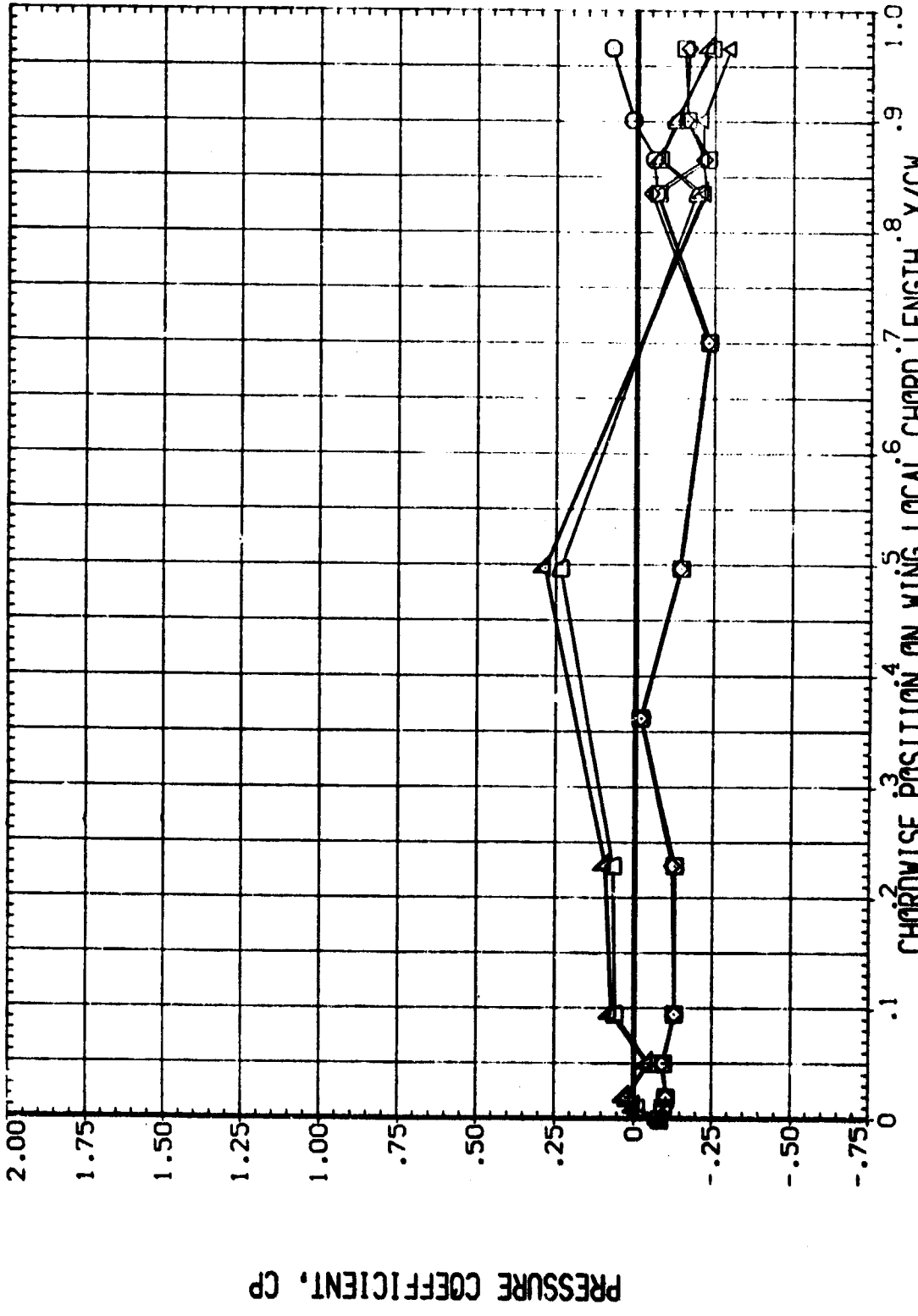


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(HETU08)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(HETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(HETU53)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(HETL28)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(HETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(HETL53)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

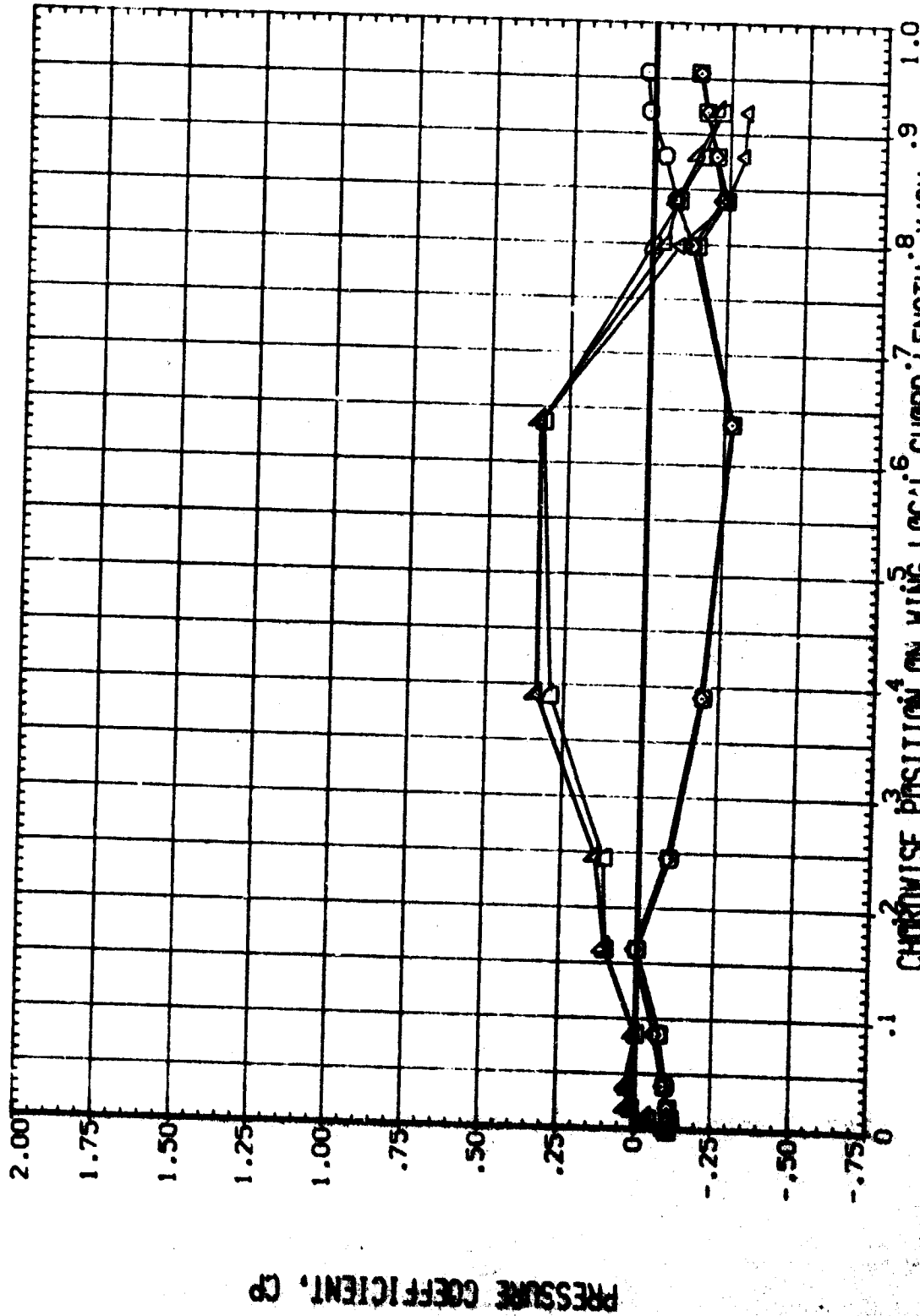


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA= 4.000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1E1U33)	ARC97-019 (A8) LVAP(ALLM SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1E1U33)	ARC97-019 (A8) LVAP(ALLM SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1E1U33)	ARC97-019 (A8) LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1E1L43)	ARC97-019 (A8) LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1E1L35)	ARC97-019 (A8) LVAP(ALLM SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

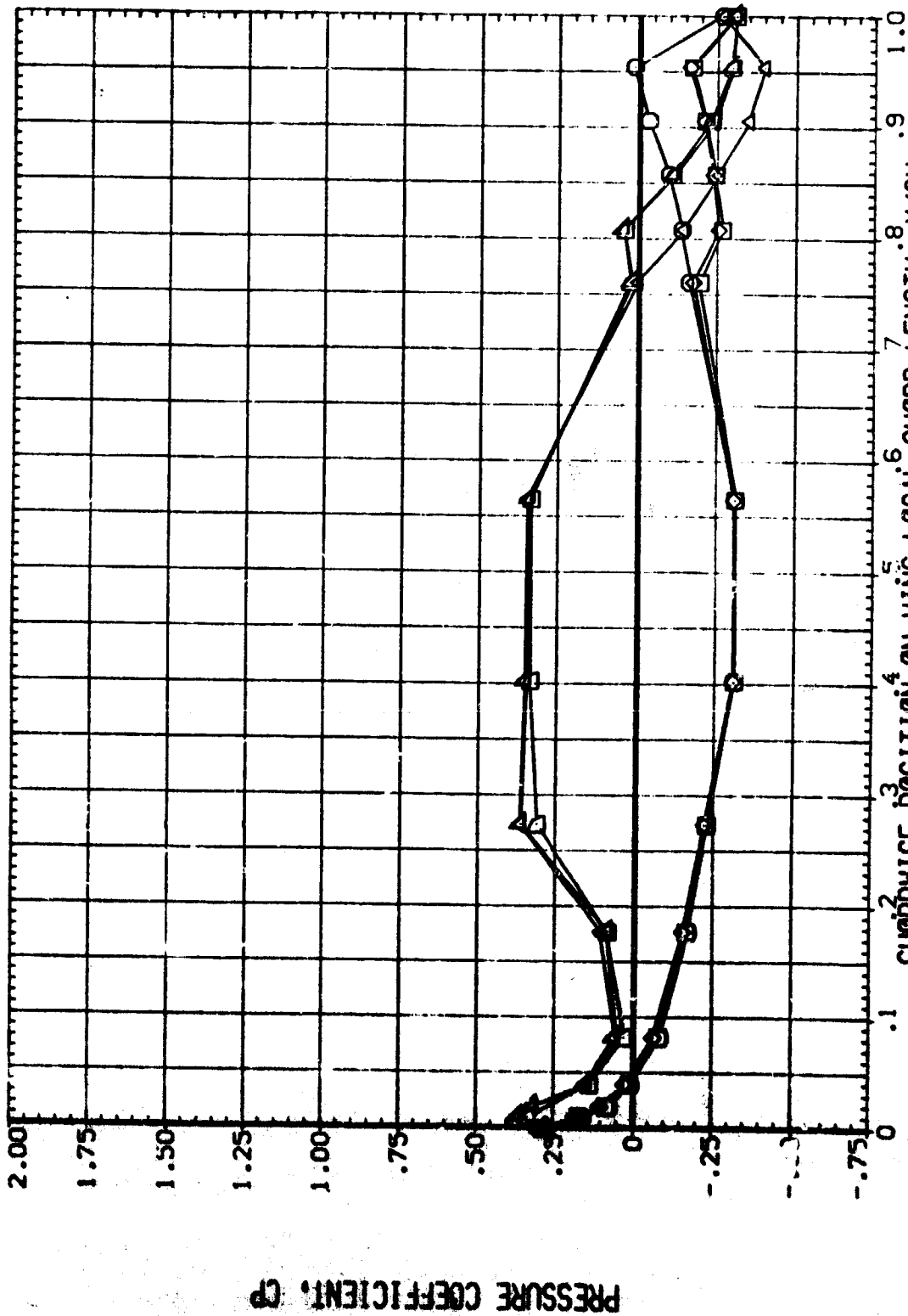


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETL38)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETL42)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TIP	1.550	8.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL43)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

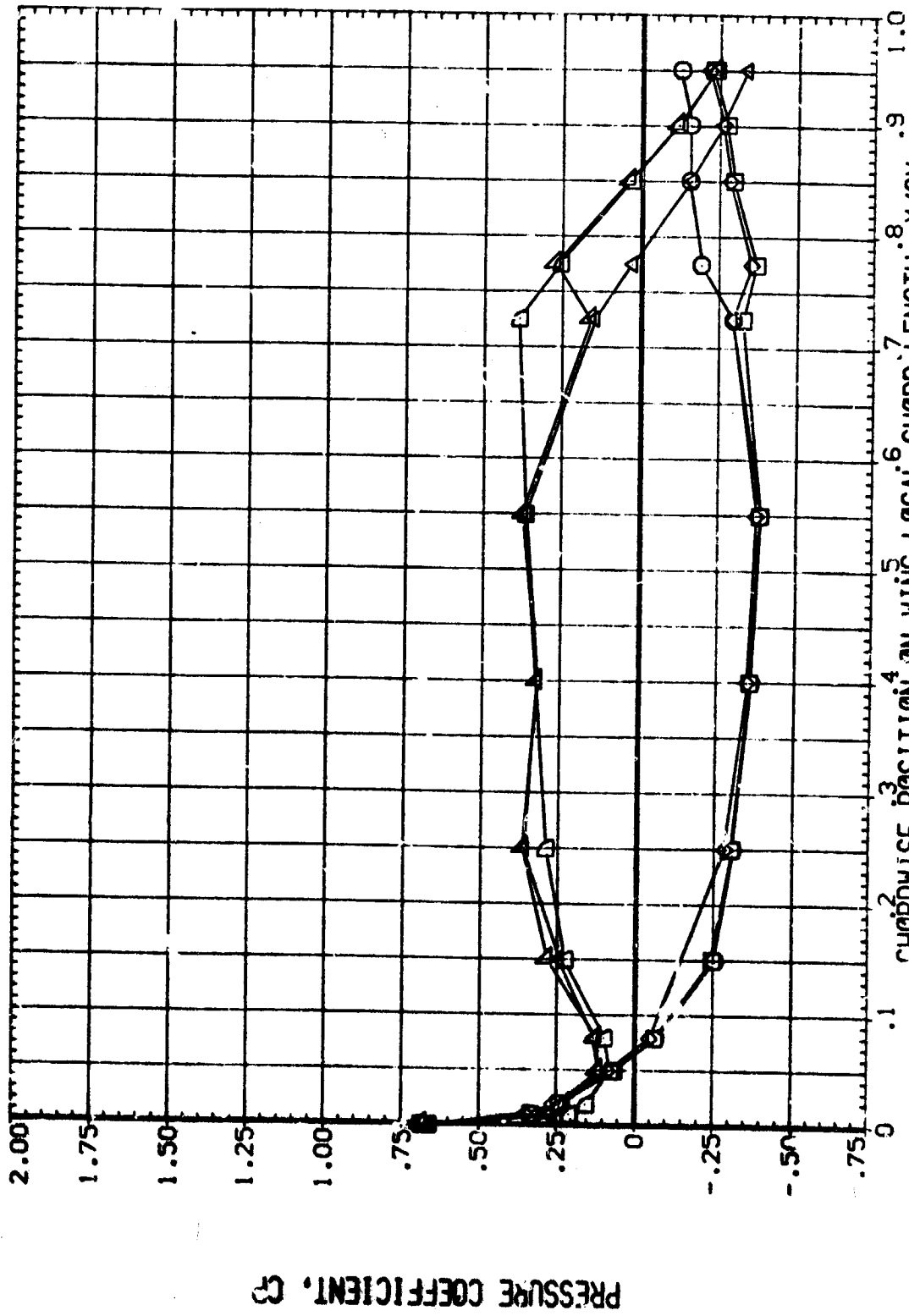


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (IETU39) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING TOP
 (IETU43) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING TOP
 (IETU35) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING TOP
 (IETL39) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING BOT.
 (IETL43) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING BOT.
 (IETL35) AR097-019 (A81 LVAPCALLHL SEALED) LEFT WING BOT.

MACH ELV-IB RN/FT ELV-OB
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000

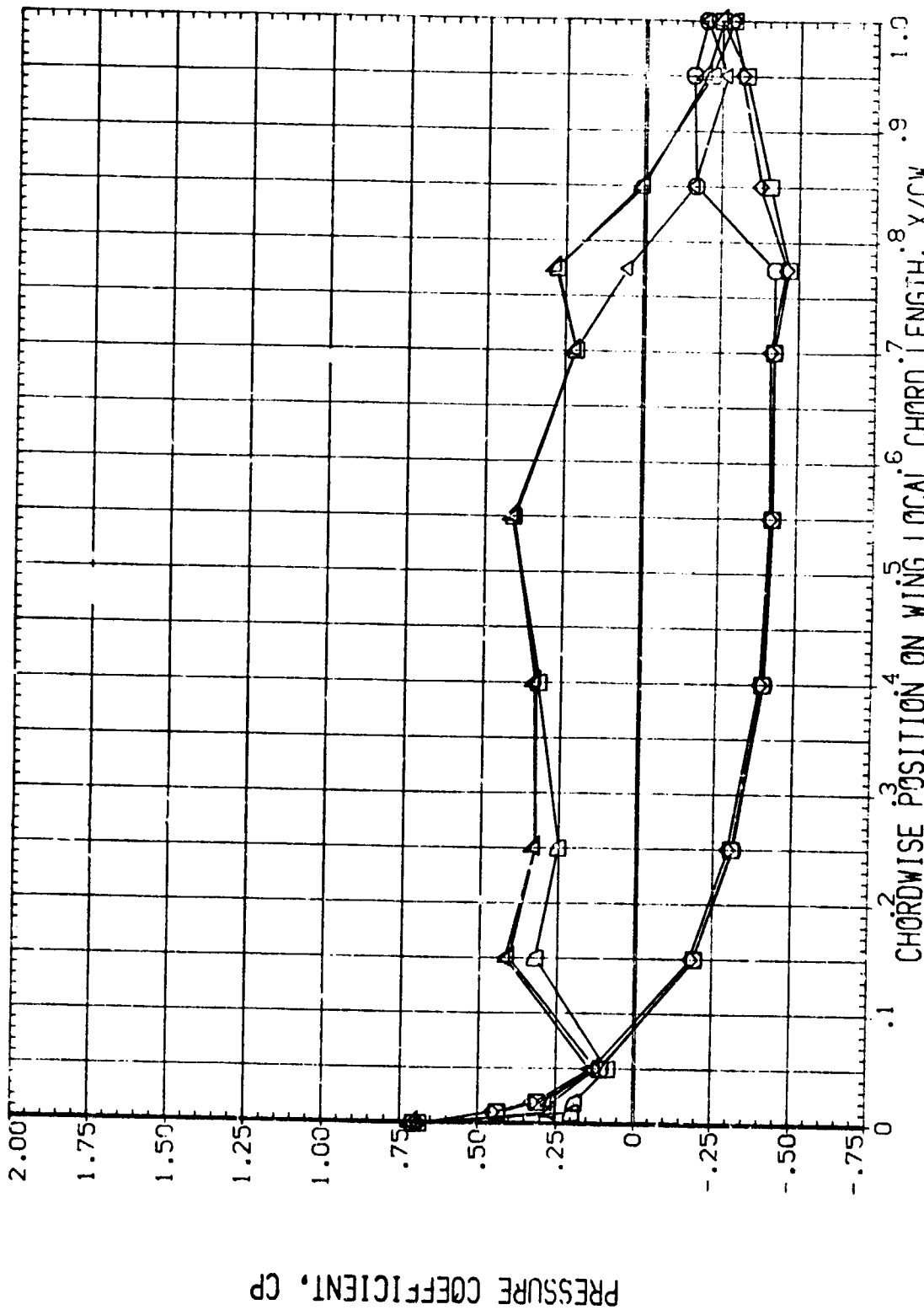


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL39)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

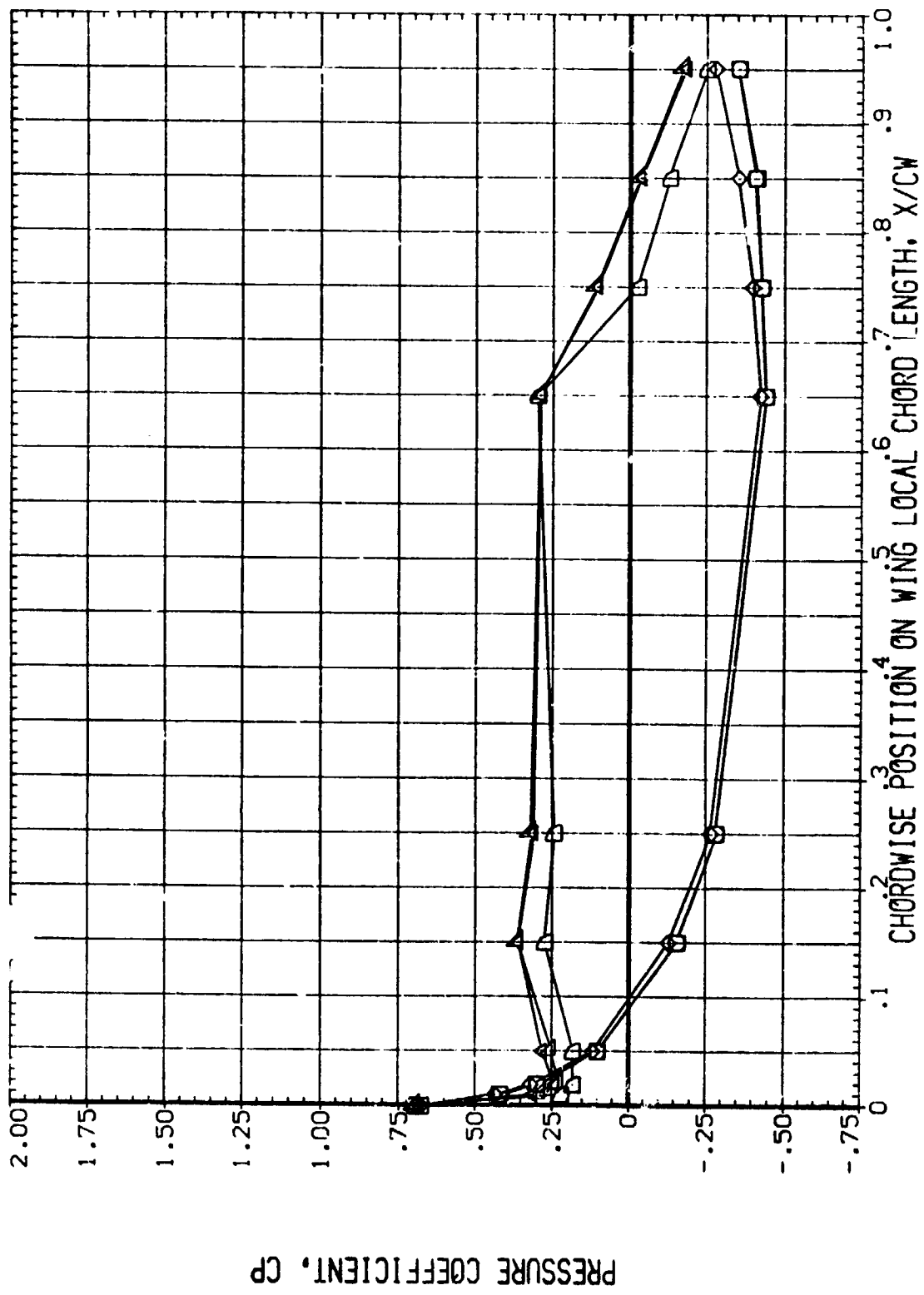


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA= 4.000 BETA= .000 Y/BW = .780 PAGE 1292

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU09)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

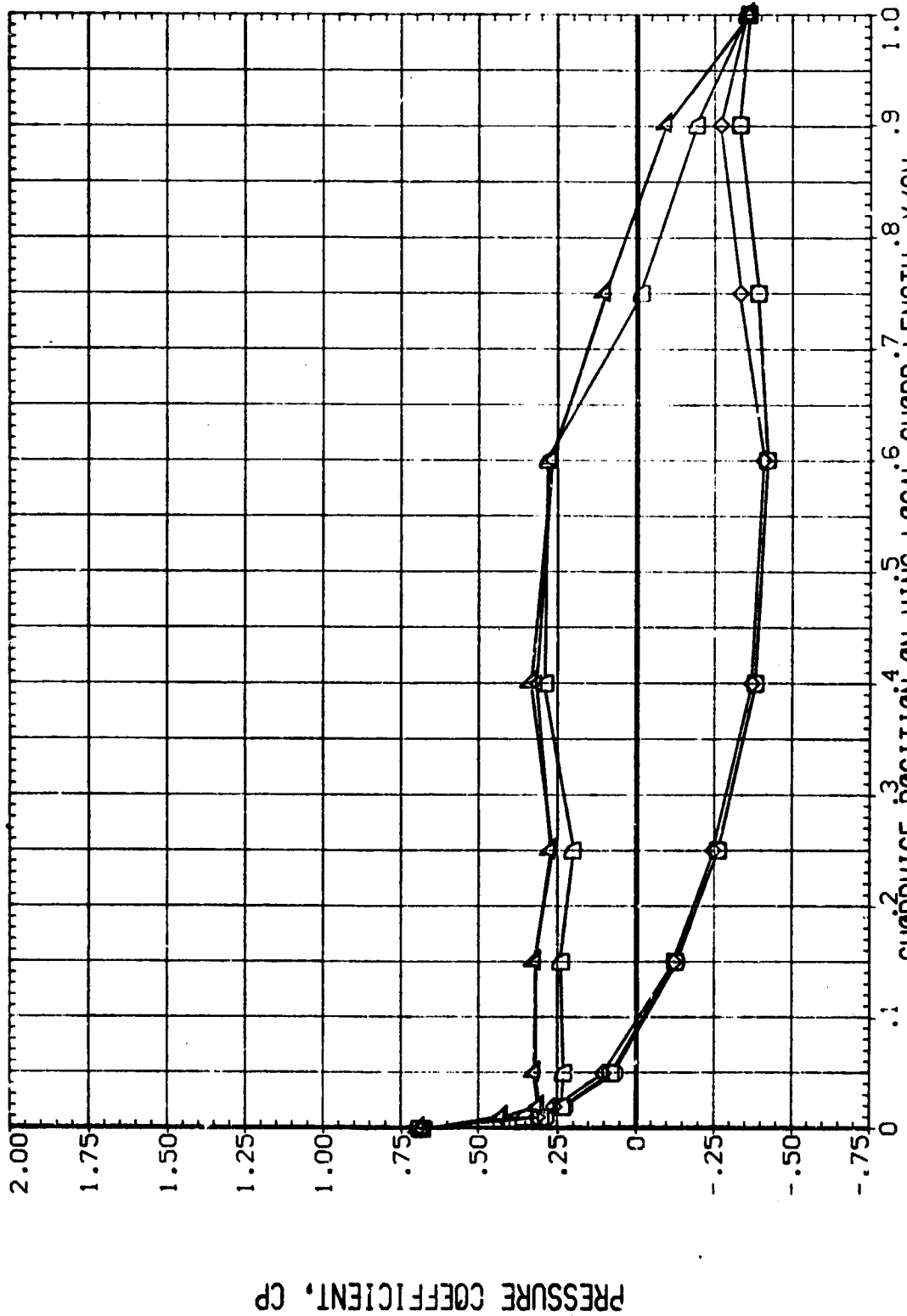
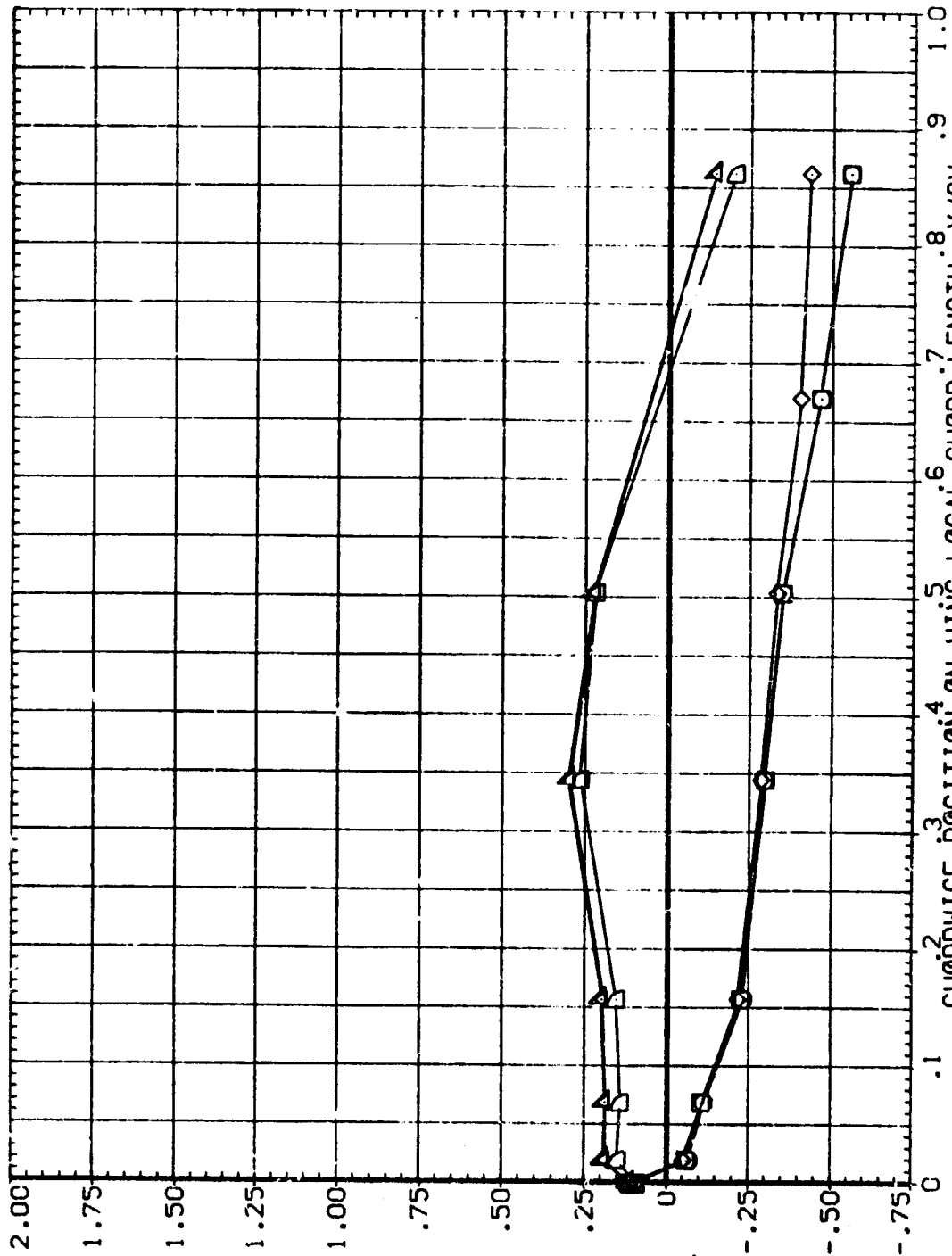


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	.000	2.500	.000
(JETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	.000
(JETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	-4.000
(IFTL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	.000	2.500	.000
(IFTL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	.000
(IFTL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

ALPHA = 4.000 BETA = .000 Y/BW = .972 PAGE 1294

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU33)	AF-97-019 TAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 TAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 TAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL33)	DATA NOT AVAILABLE	1.550	.000	2.500	.000
(IETL43)	DATA NOT AVAILABLE	1.550	8.000	2.500	.000
(IETL35)	DATA NOT AVAILABLE	1.550	8.000	2.500	-4.000

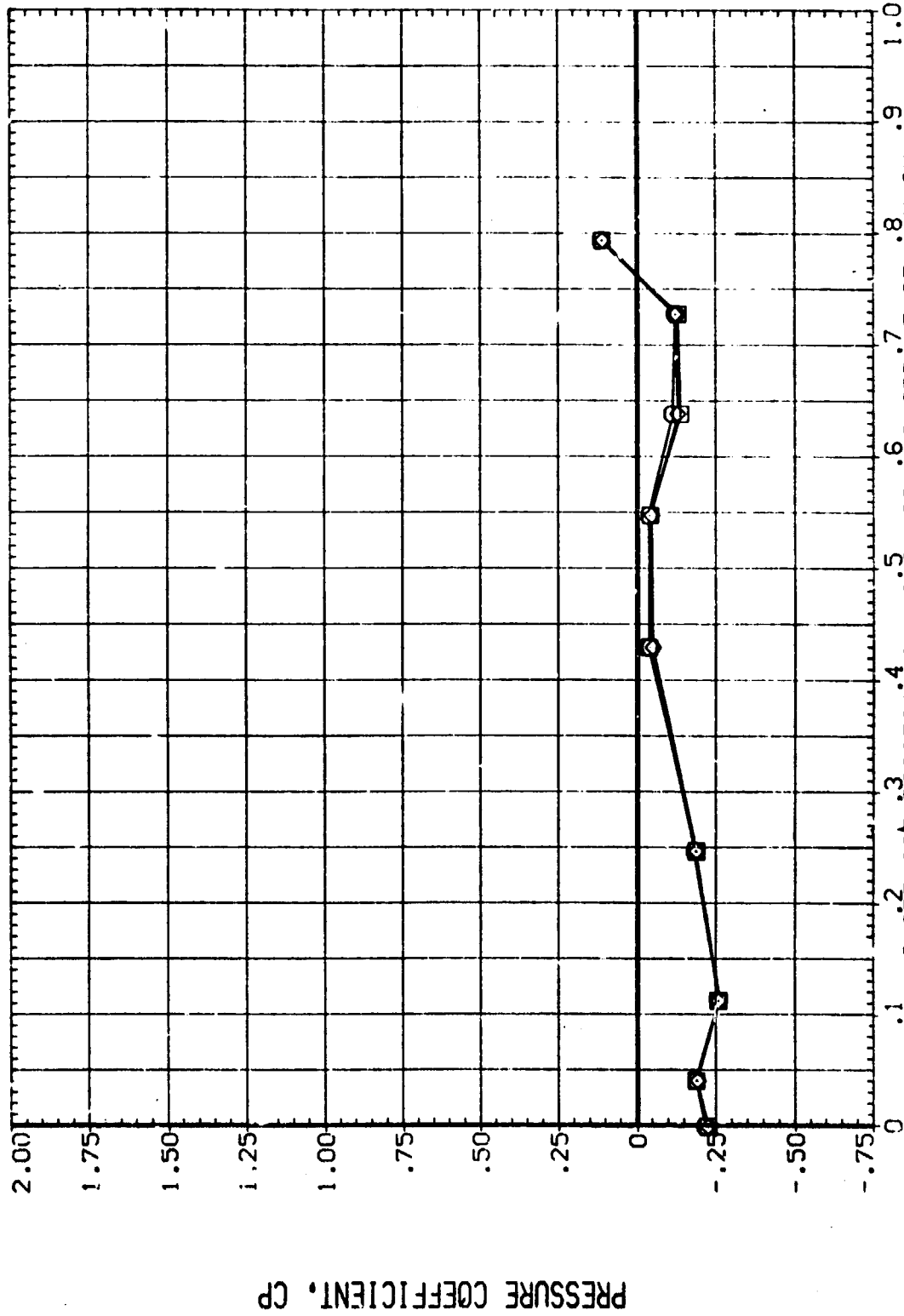
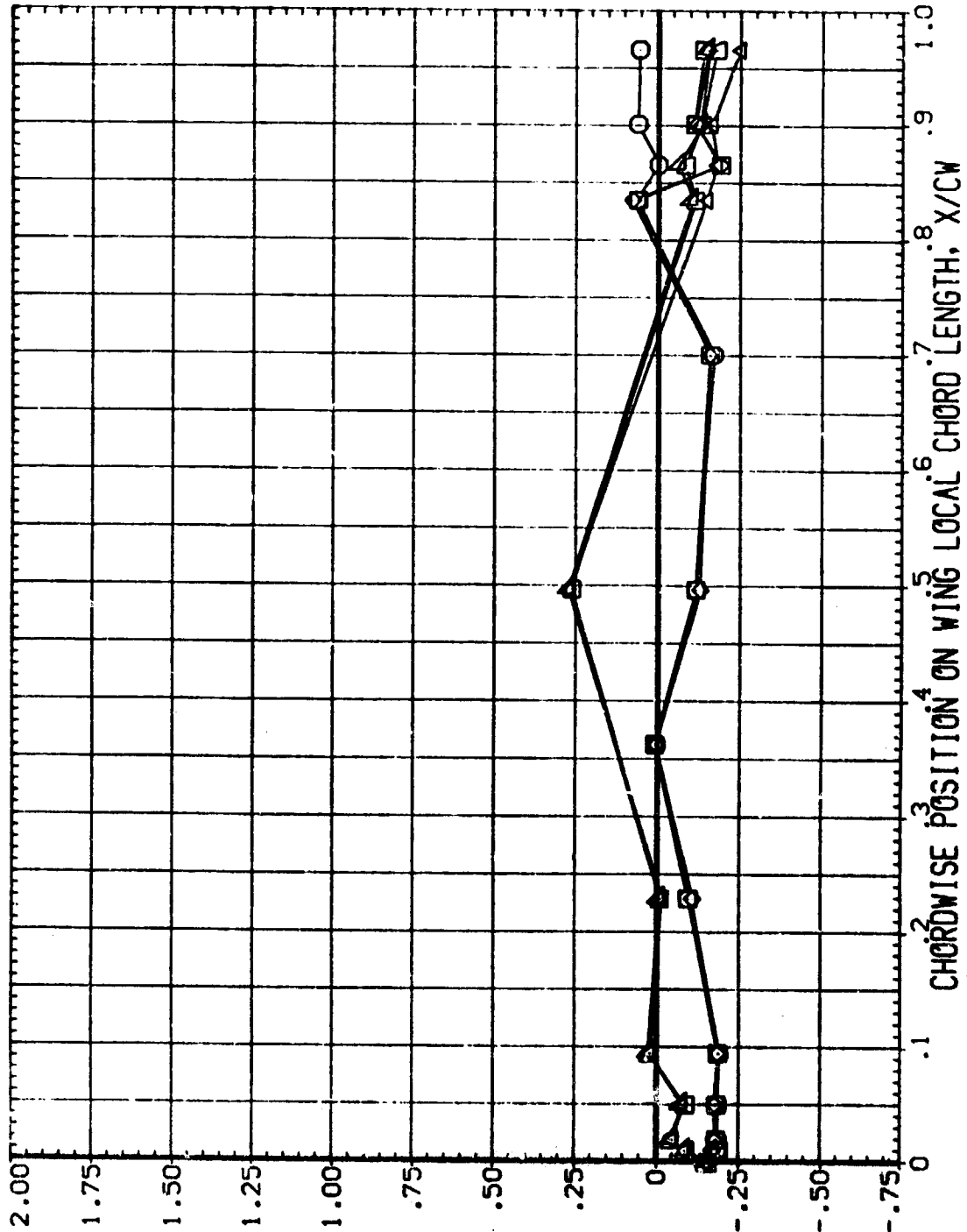


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .235
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING BOT.	1.550	.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLML SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

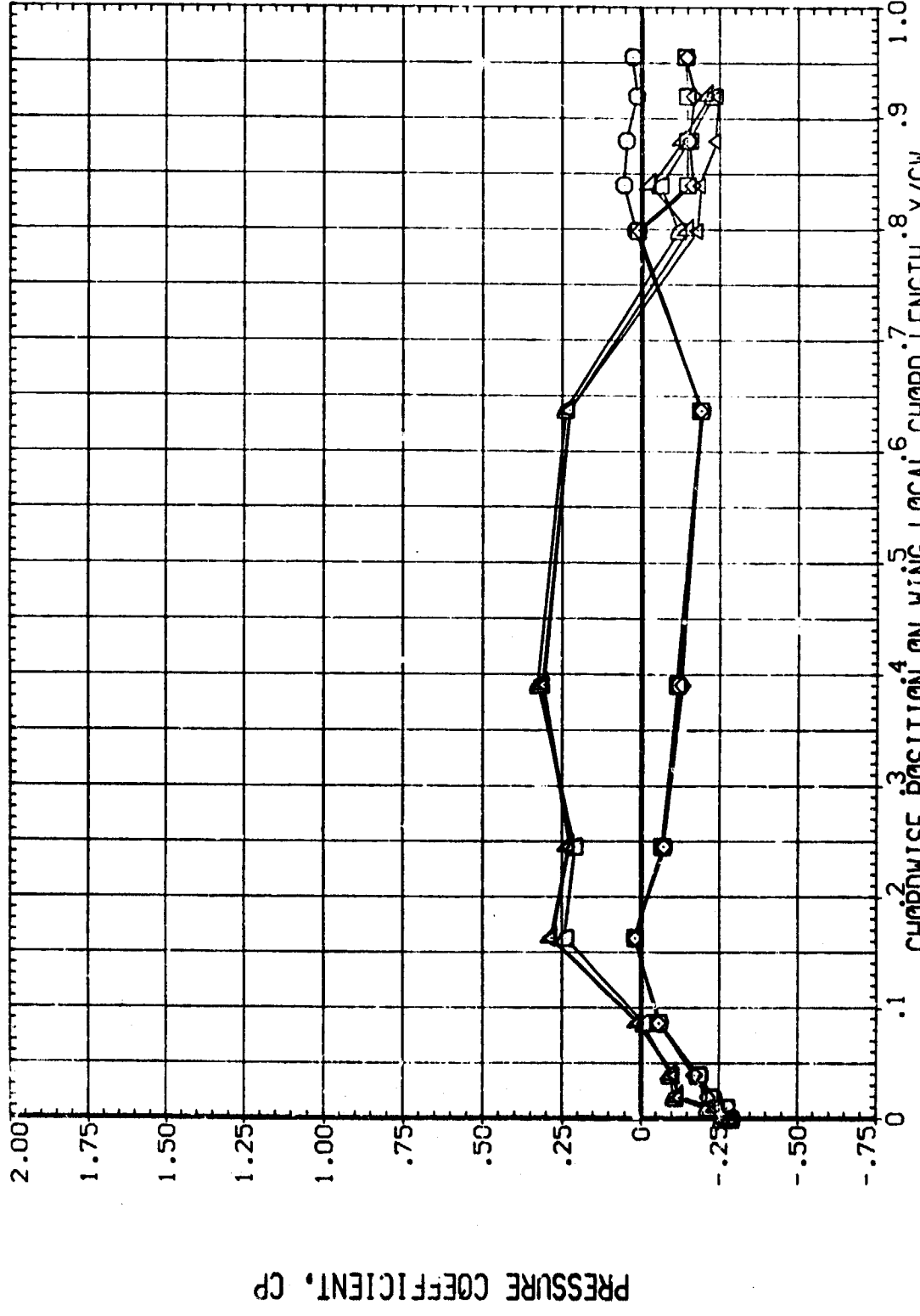


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA0= 4.000 BETA0 = 4.000 Y/BW = .364
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU93)	ARC97-019 IAB1 LVAP(ALLHL)	SEALED)	LEFT WING TOP	1.550	0.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL)	SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU93)	ARC97-019 IAB1 LVAP(ALLHL)	SEALED)	LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL79)	ARC97-019 IAB1 LVAP(ALLHL)	SEALED)	LEFT WING BOT.	1.550	0.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 L/AP(ALLHL)	SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL)	SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000

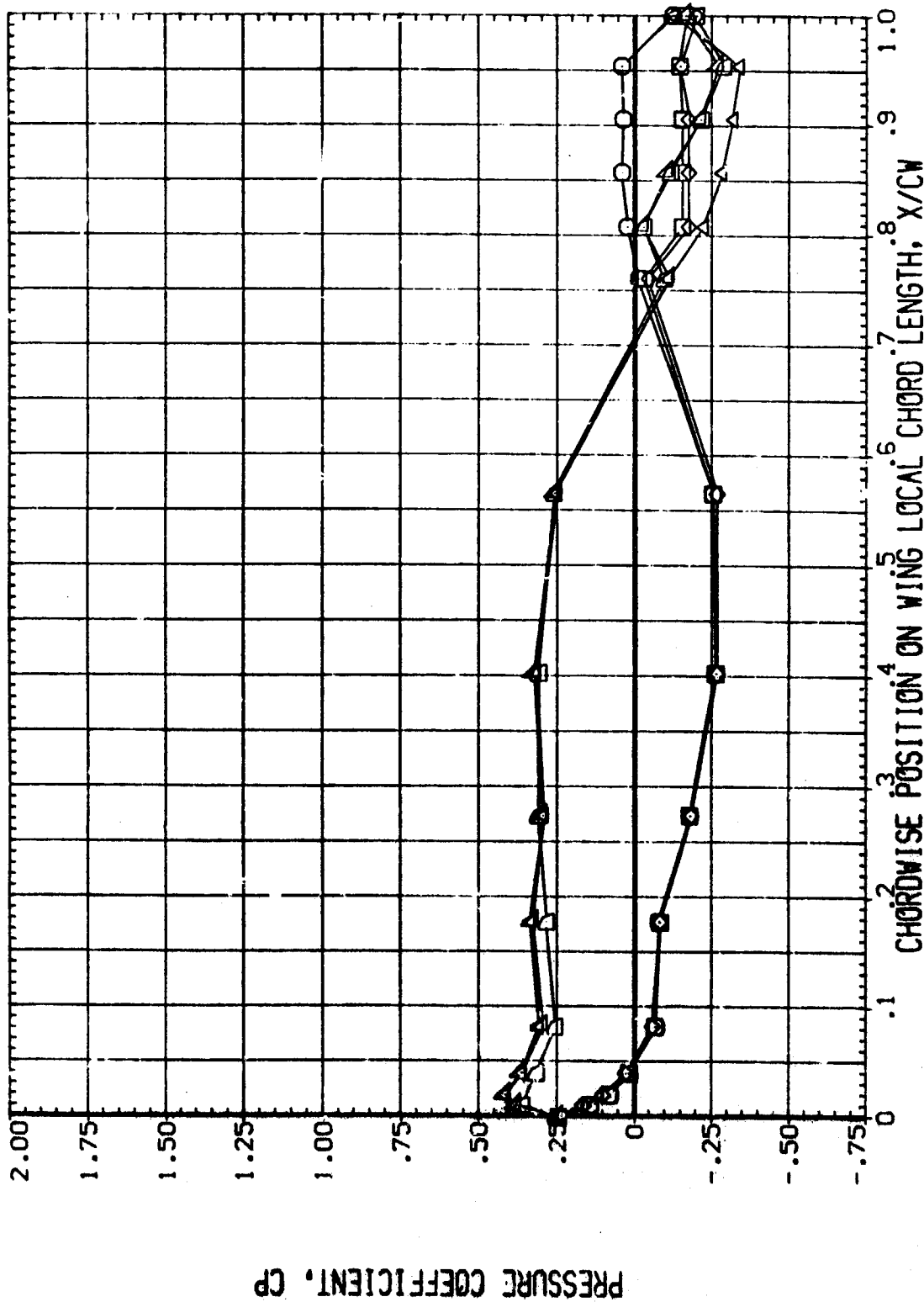


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

ALPHA= 4.000 BETA= 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETLJ9)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

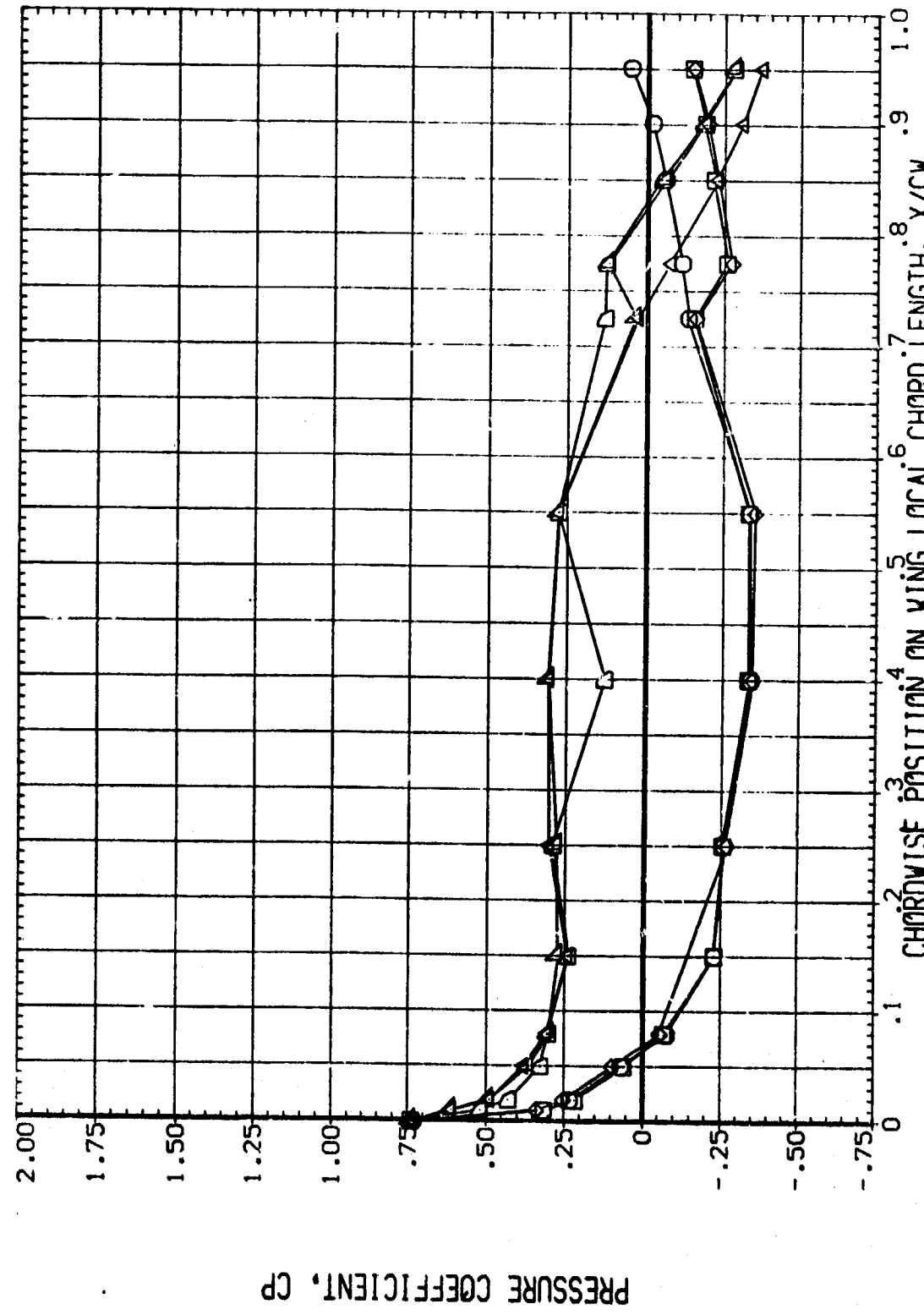


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

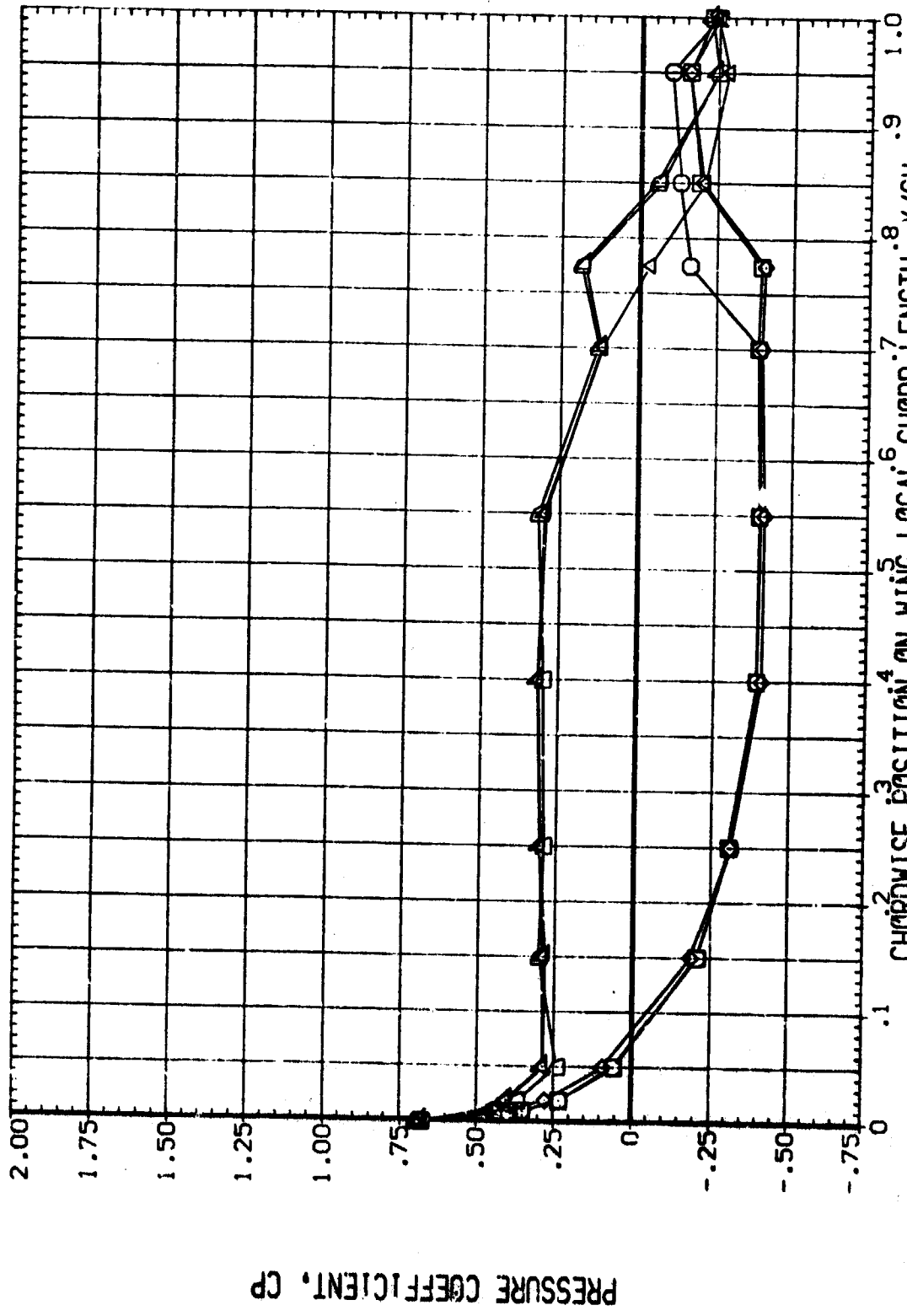


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .673 PAGE 1300

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RV/FT	ELV-OB
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING BOT.	1.550	.000	2.500	4.000
(IETL39)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAP(ALLHL SEATED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

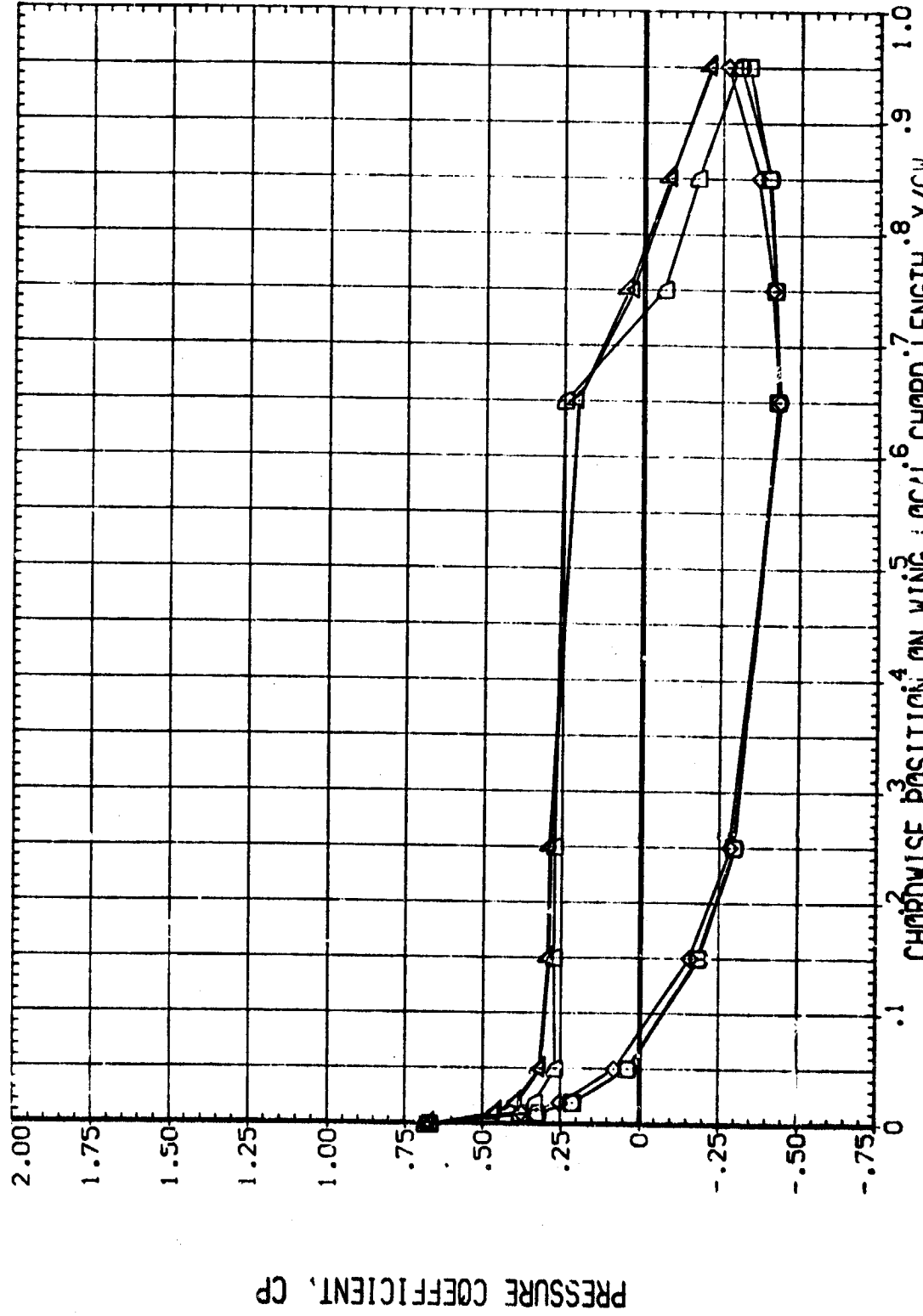


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	FLV-1B	RN/FT	ELV-08
(1ETU08)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU03)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU05)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	-4.000
(1ETL03)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL05)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

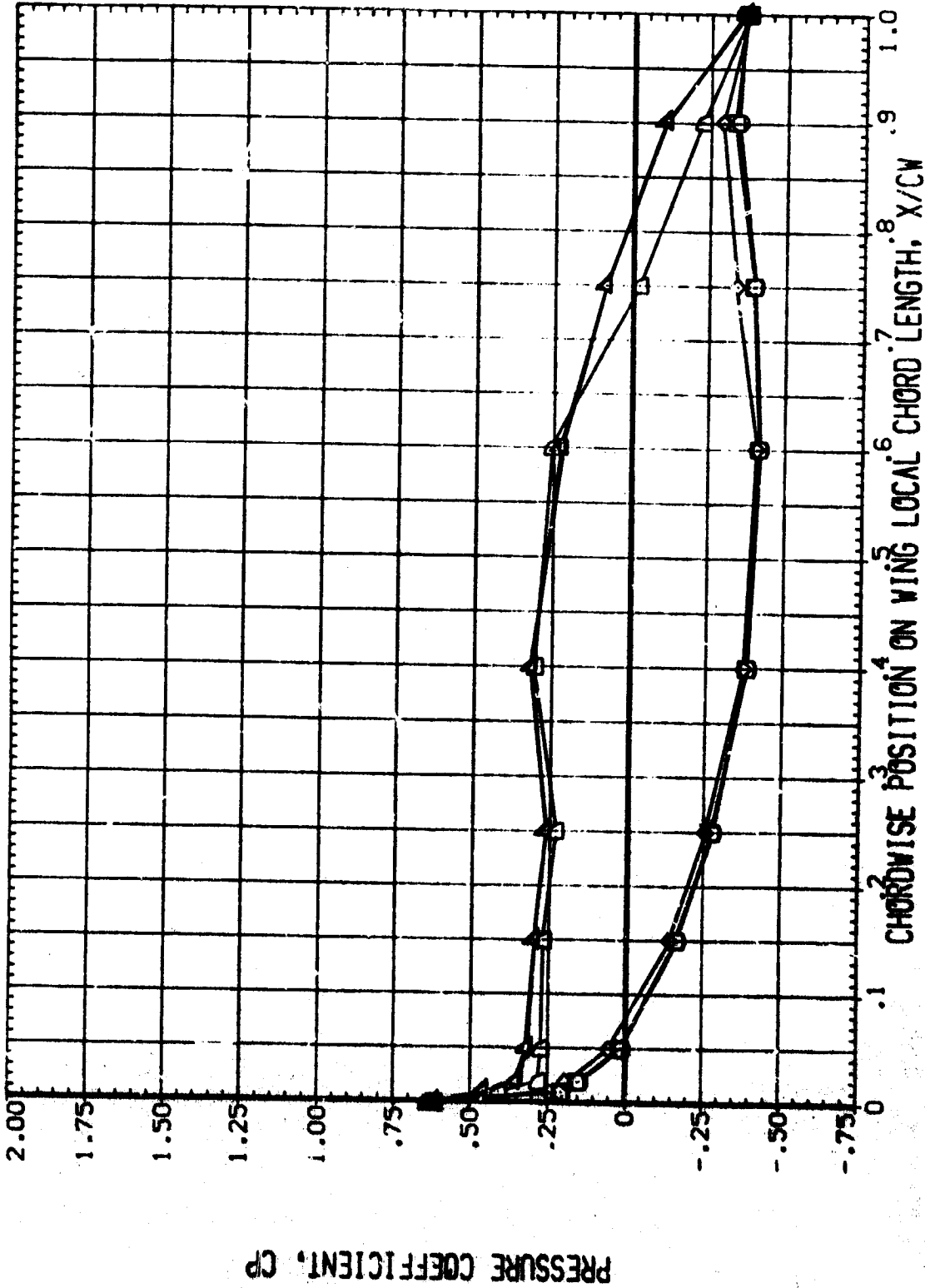


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA = 4.000 BETA = 4.000 Y/BW = .887 PAGE 1302

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU39)	ARC97-019 (A8) LVAP(ALL)H (SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 (A8) LVAP(ALL)H (SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 (A8) LVAP(ALL)H (SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETL39)	ARC97-019 (A8) LVAP(ALL)H (SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL43)	ARC97-019 (A8) LVAP(ALL)H (SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

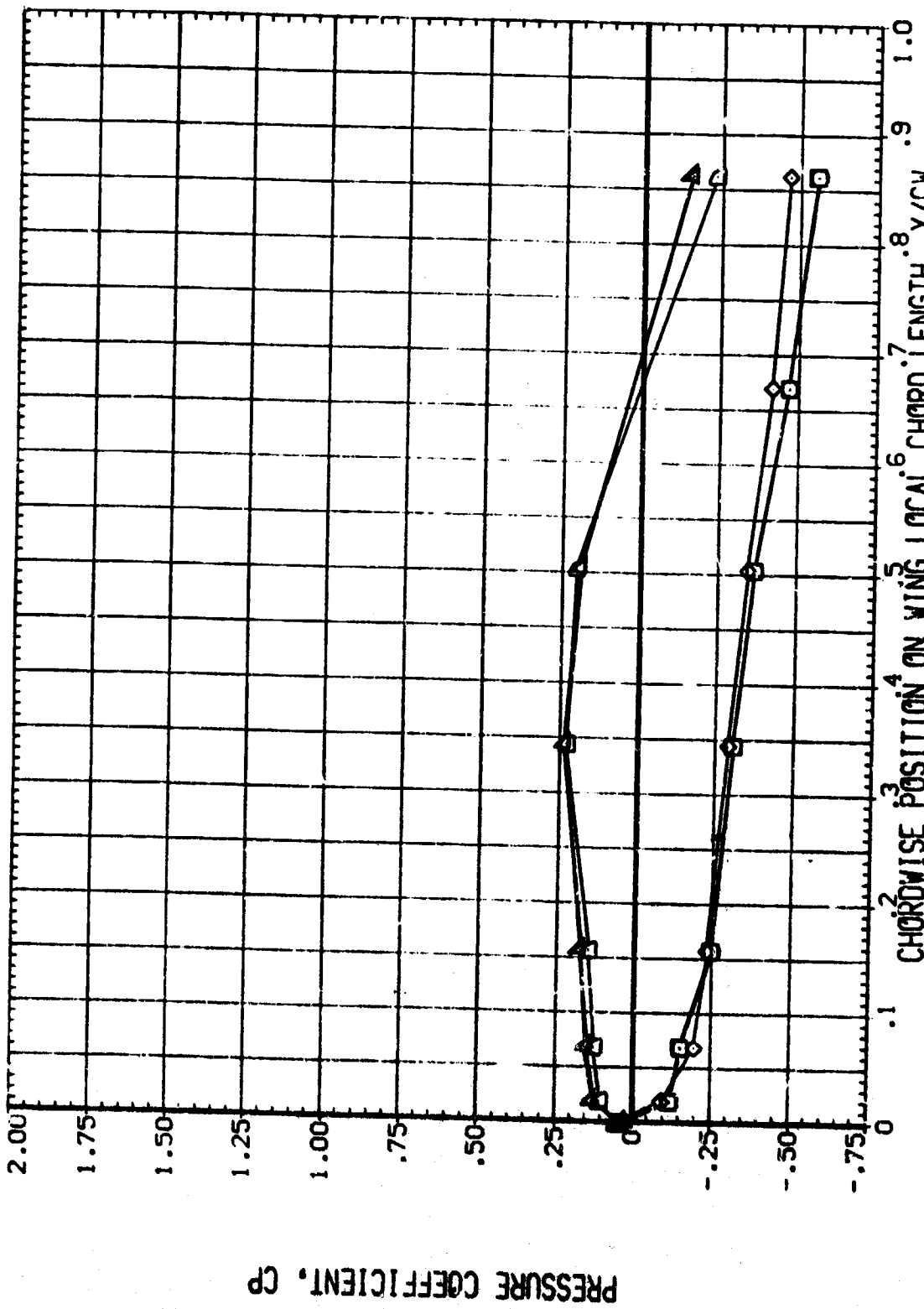


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 1.55

ALPHA= 4.000 BETA= 4.000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (IETU3) ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP
 (IETU4) ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP
 (IETU5) ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP
 (IETL36) DATA NOT AVAILABLE
 (IETL43) DATA NOT AVAILABLE
 (IETL35) DATA NOT AVAILABLE

MACH ELV-1B RN/FT ELV-0B
 1.550 .000 2.500 .000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000
 1.550 8.000 2.500 .000
 1.550 8.000 2.500 -4.000

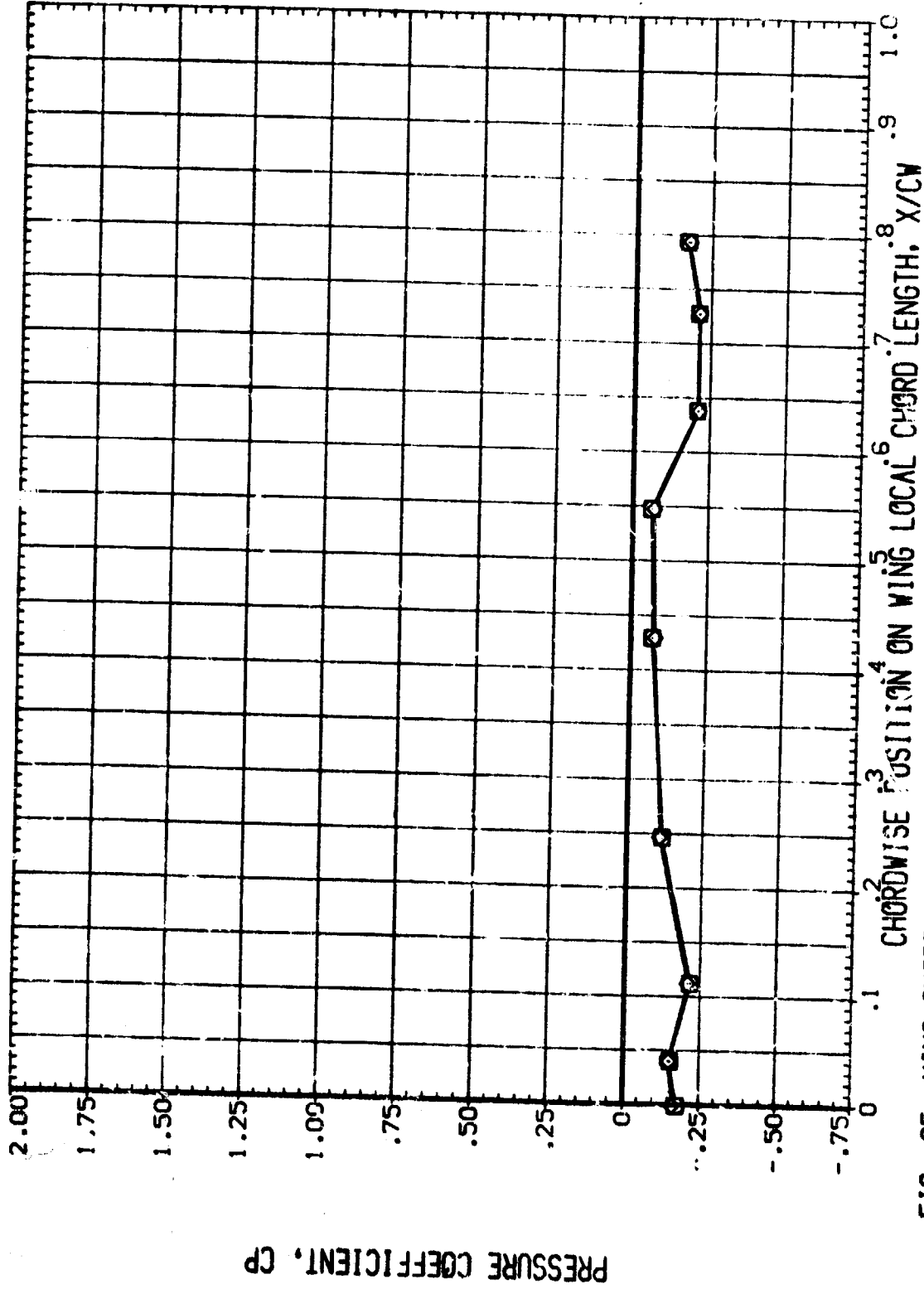


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 1.55
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .235

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.350	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.350	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.350	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.350	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.350	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.350	8.000	2.500	-4.000

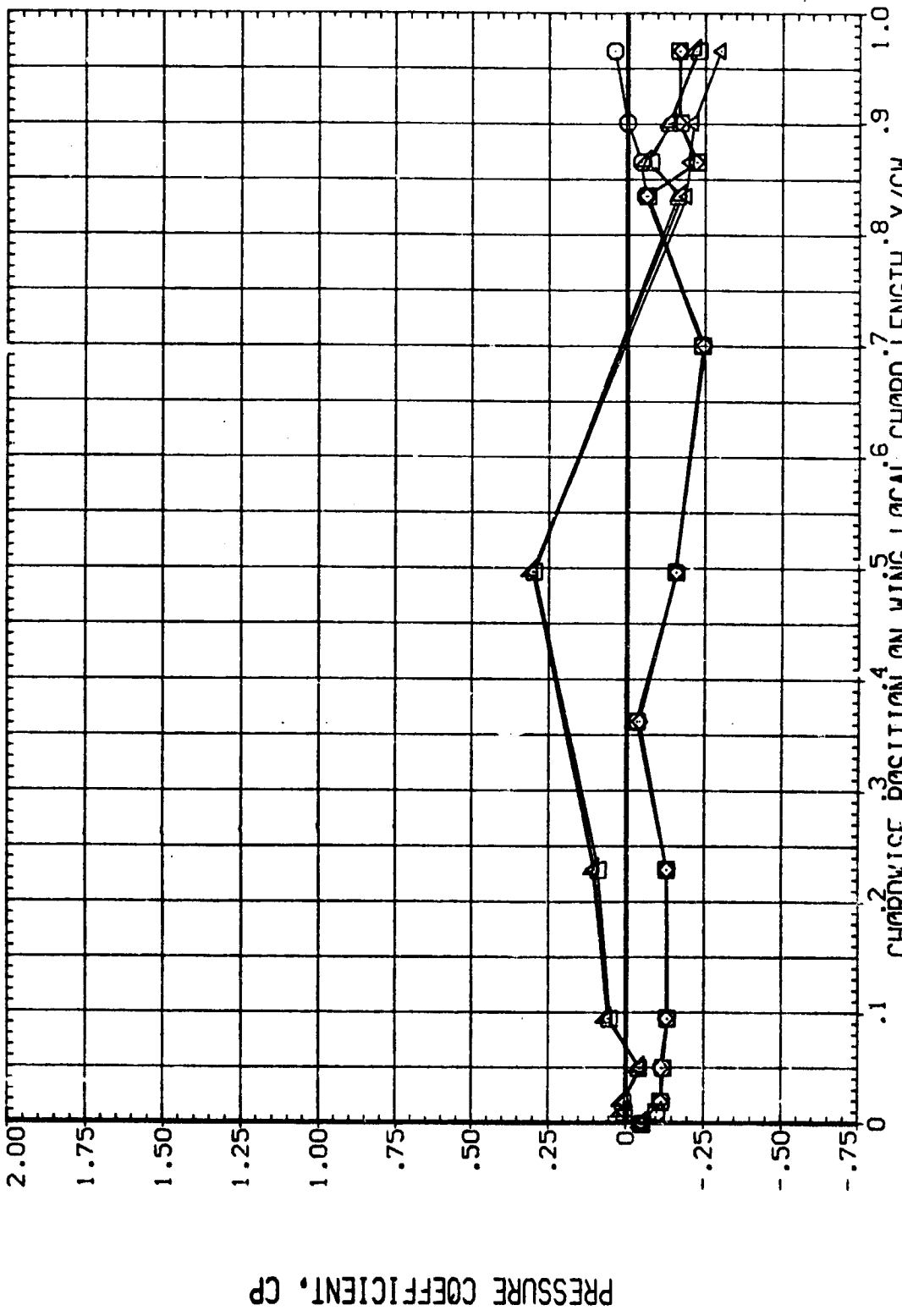


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAF(CALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

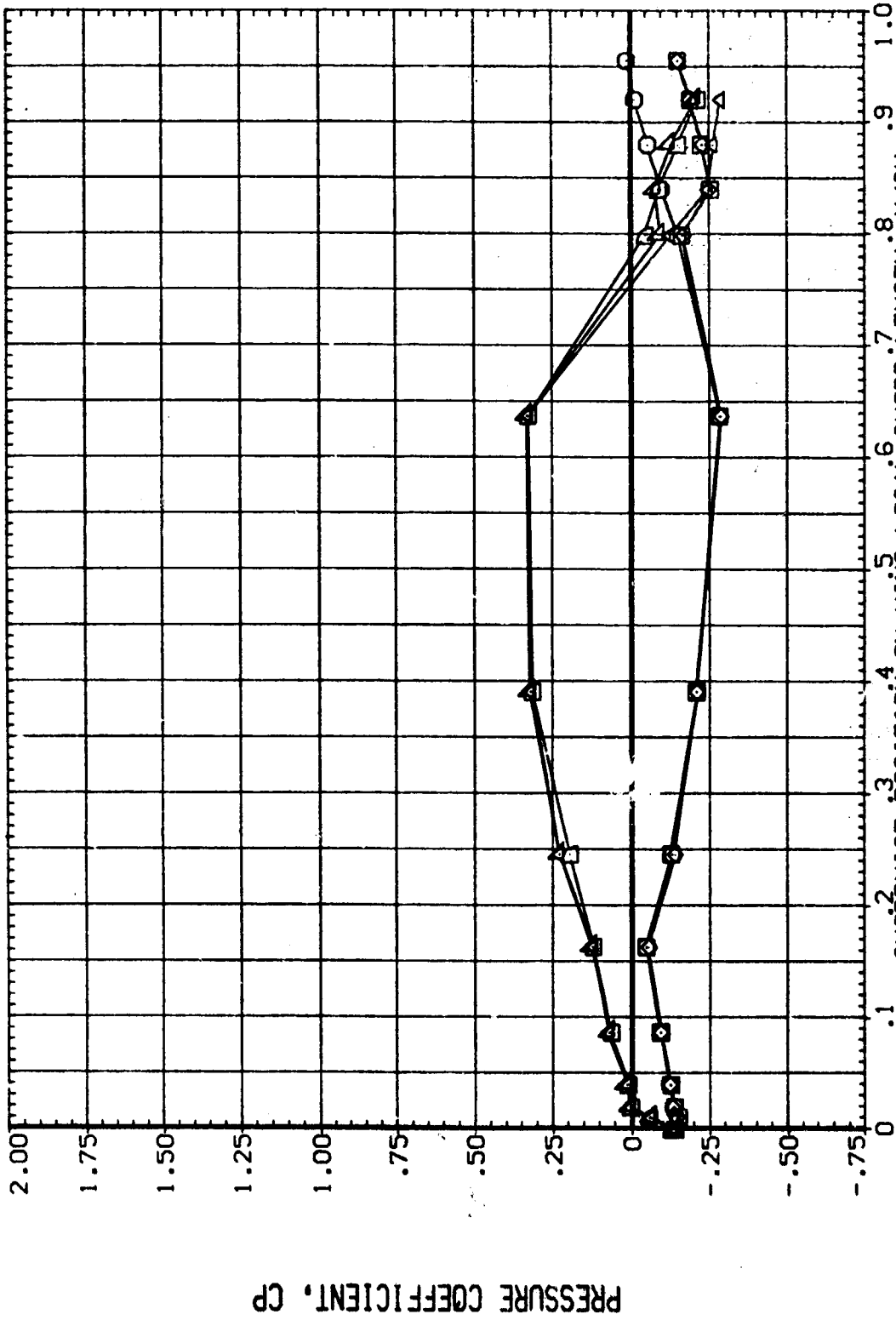


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0. MACH = 1.55
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-1B	RM/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	1.550	8.000	2.500	-4.000

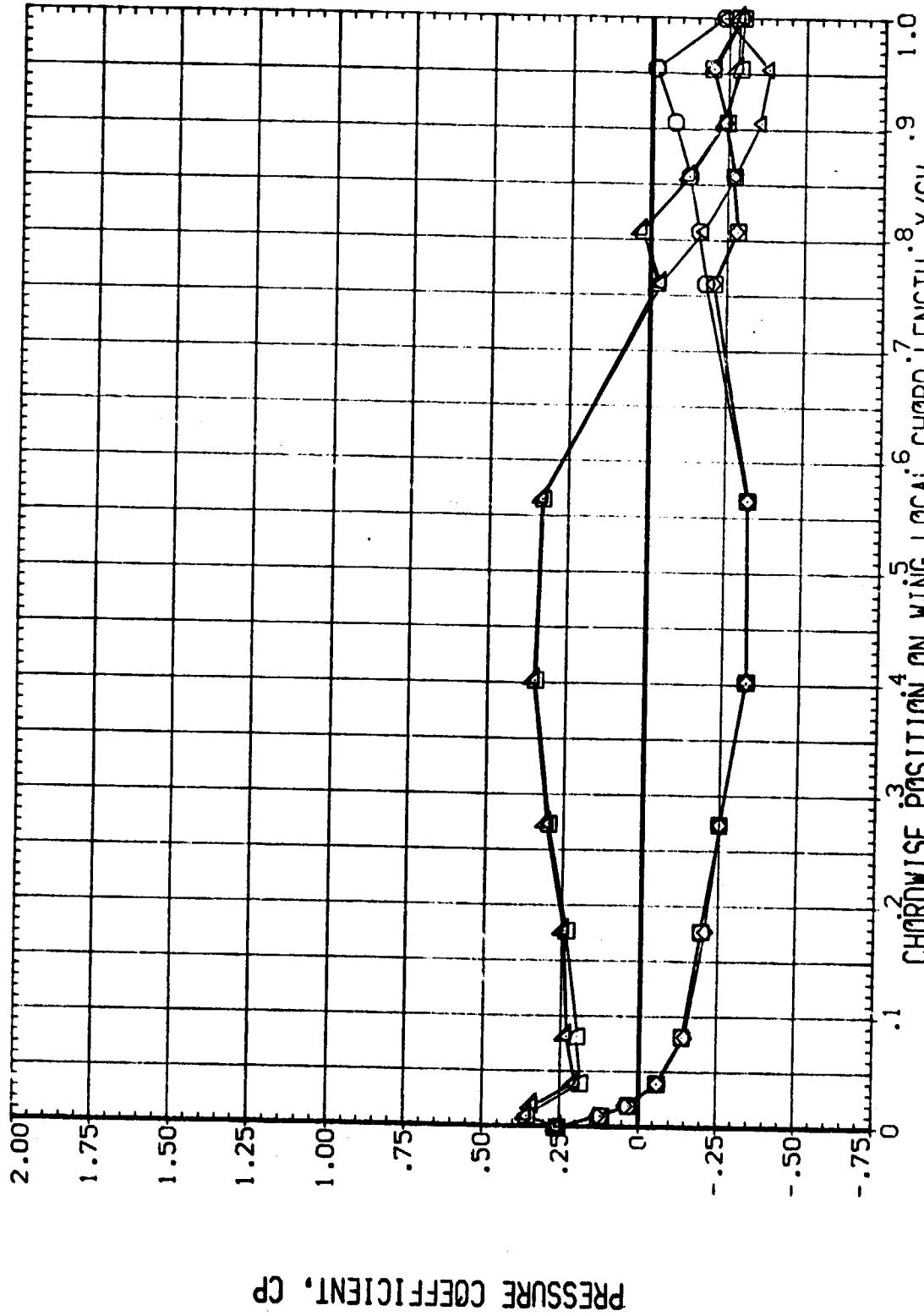
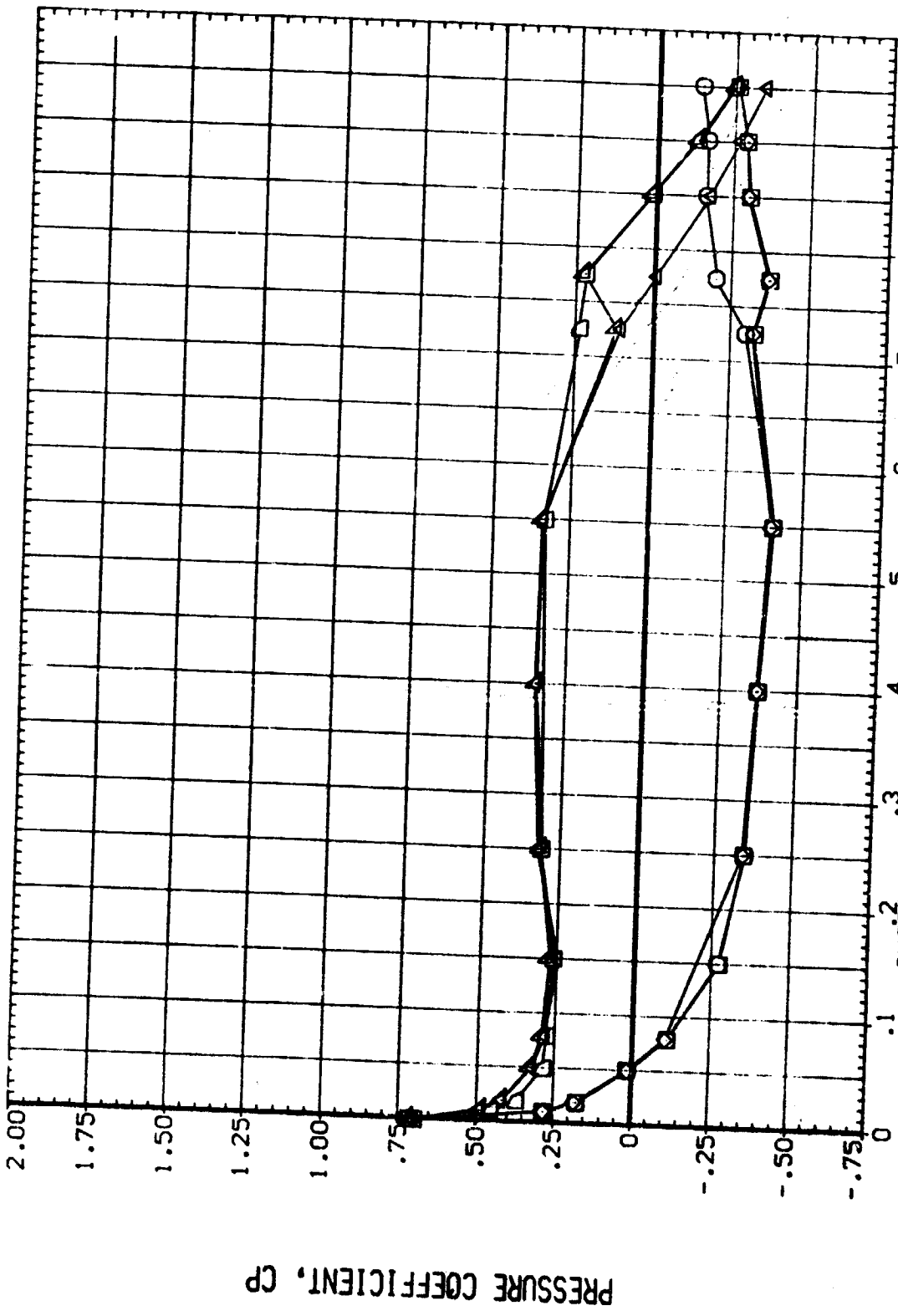


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 1.55
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .427 PAGE 1307

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000



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FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 1.55

ALPHA0 = 6.000 BETA0 = .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV - IB	RN/FT	ELV - OB
(IETL39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000
(IETL39)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETL35)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

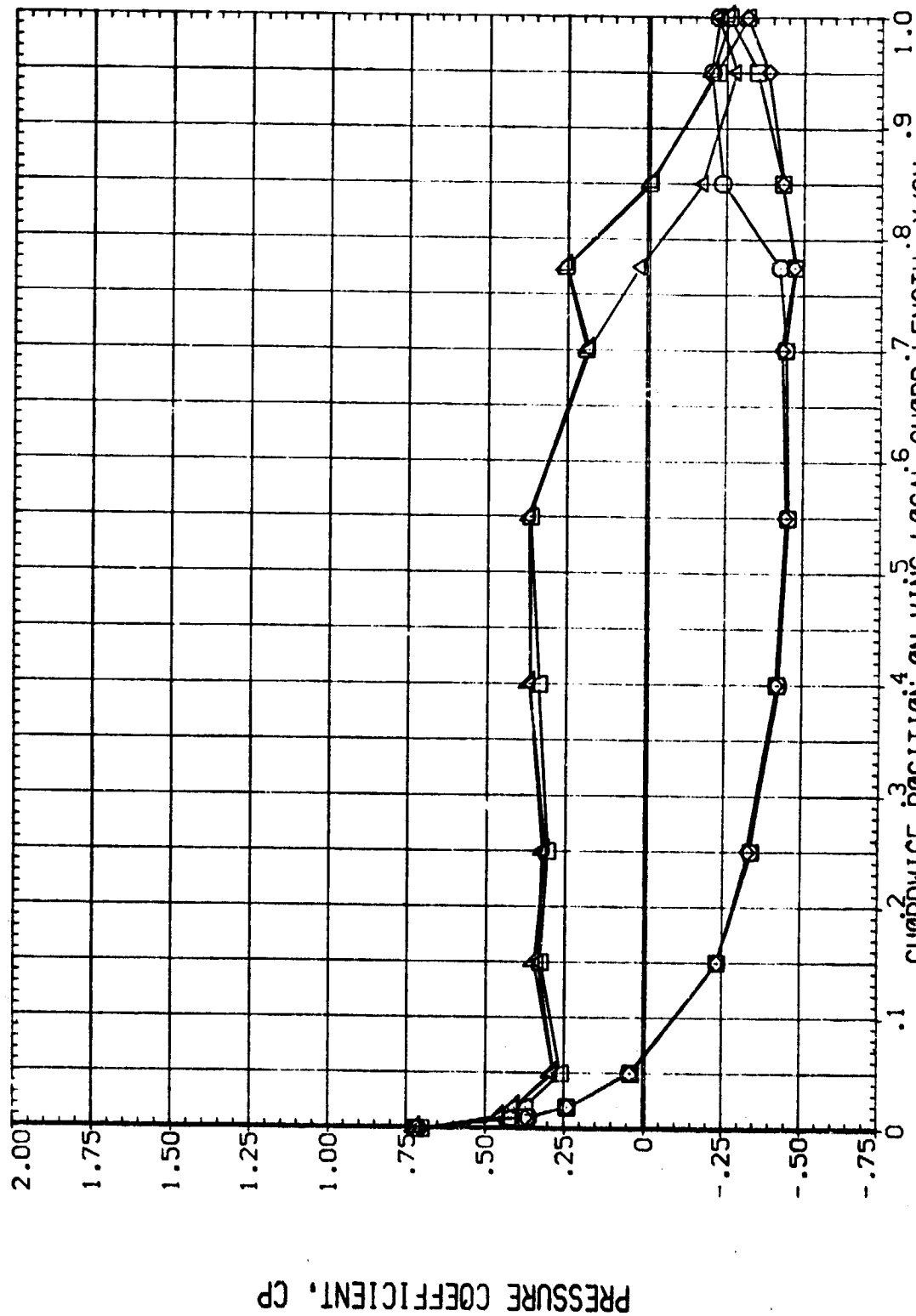


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55

ALPHA = 6.000 BETA = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU09)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(1ETU55)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

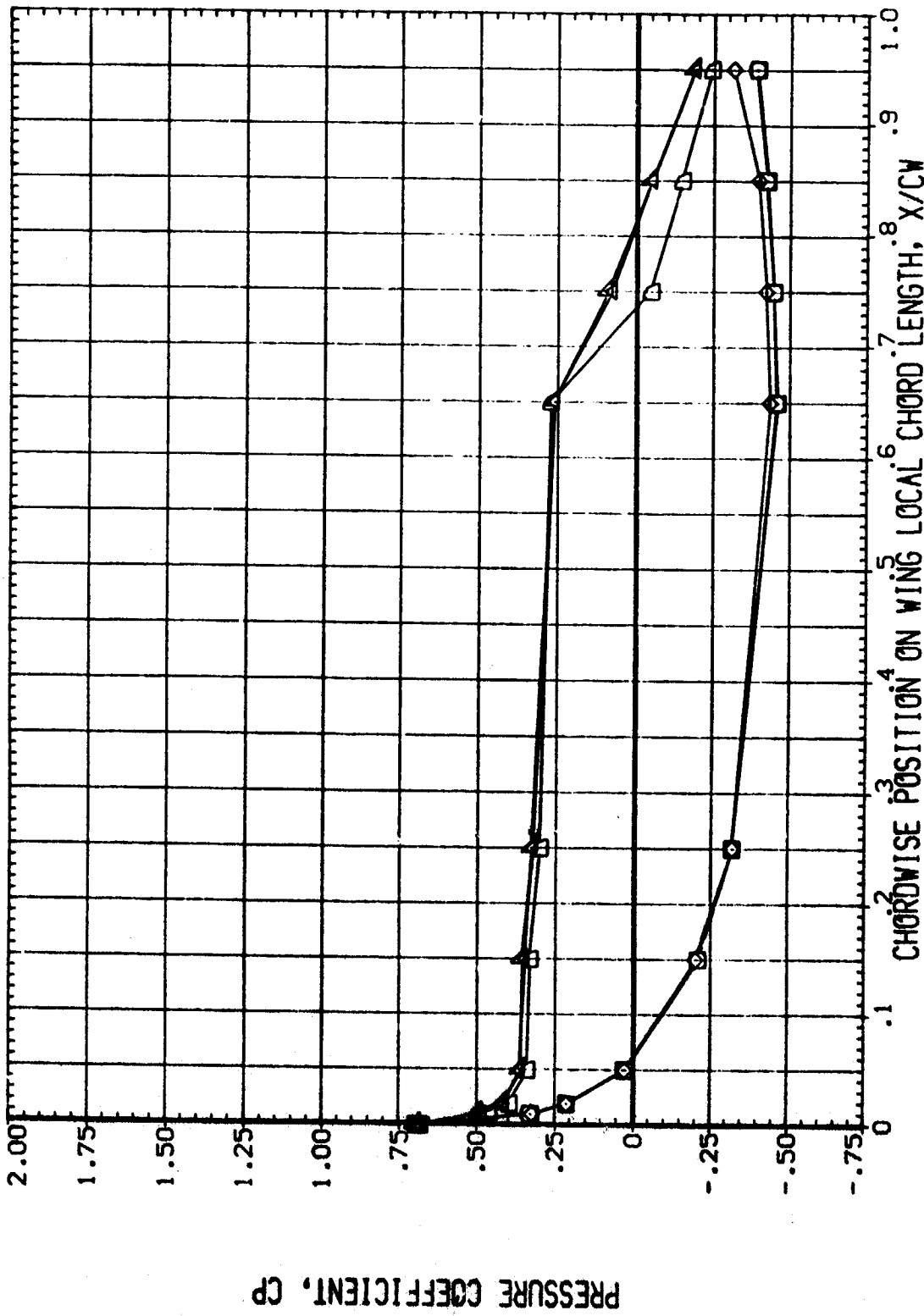


FIG. 65 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 1.55
 ALPHA = 6.000 BETA = .000 Y/BW = .780 PAGE 1310

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	1.550	8.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	-4.000
(IETU39)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	.000	2.500	.000
(IETU35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	1.550	8.000	2.500	-4.000

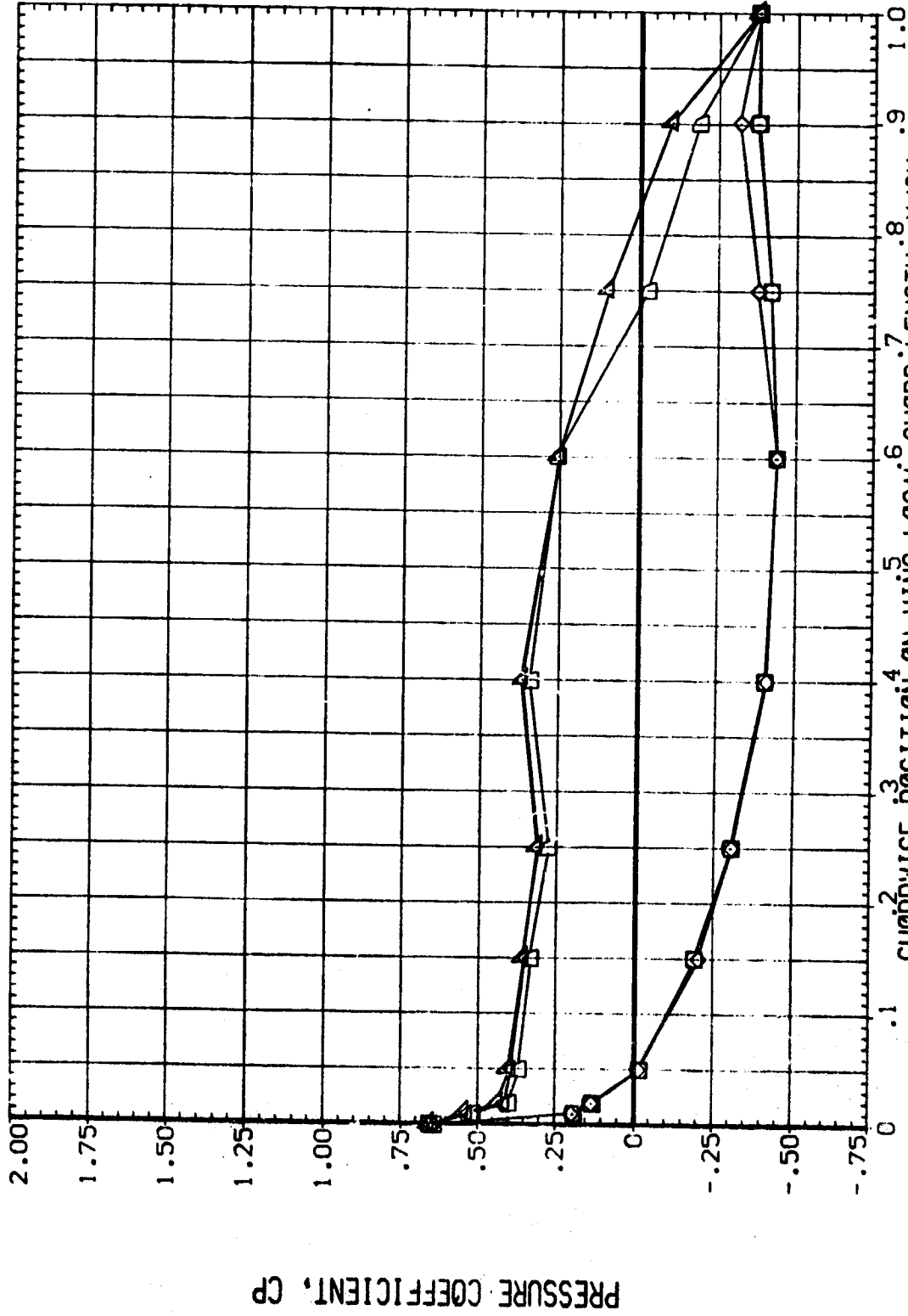


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55

ALPHA = 6.000 BETA = .000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU39)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	.000	2.500	.000
(1ETU43)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	8.000	2.500	.000
(1ETU35)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	8.000	2.500	-4.000
(1ETL39)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	.000	2.500	.000
(1ETL43)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	8.000	2.500	.000
(1ETL35)	ARC97-019	IAB1	LVAP(ALLHL)	1.550	8.000	2.500	-4.000

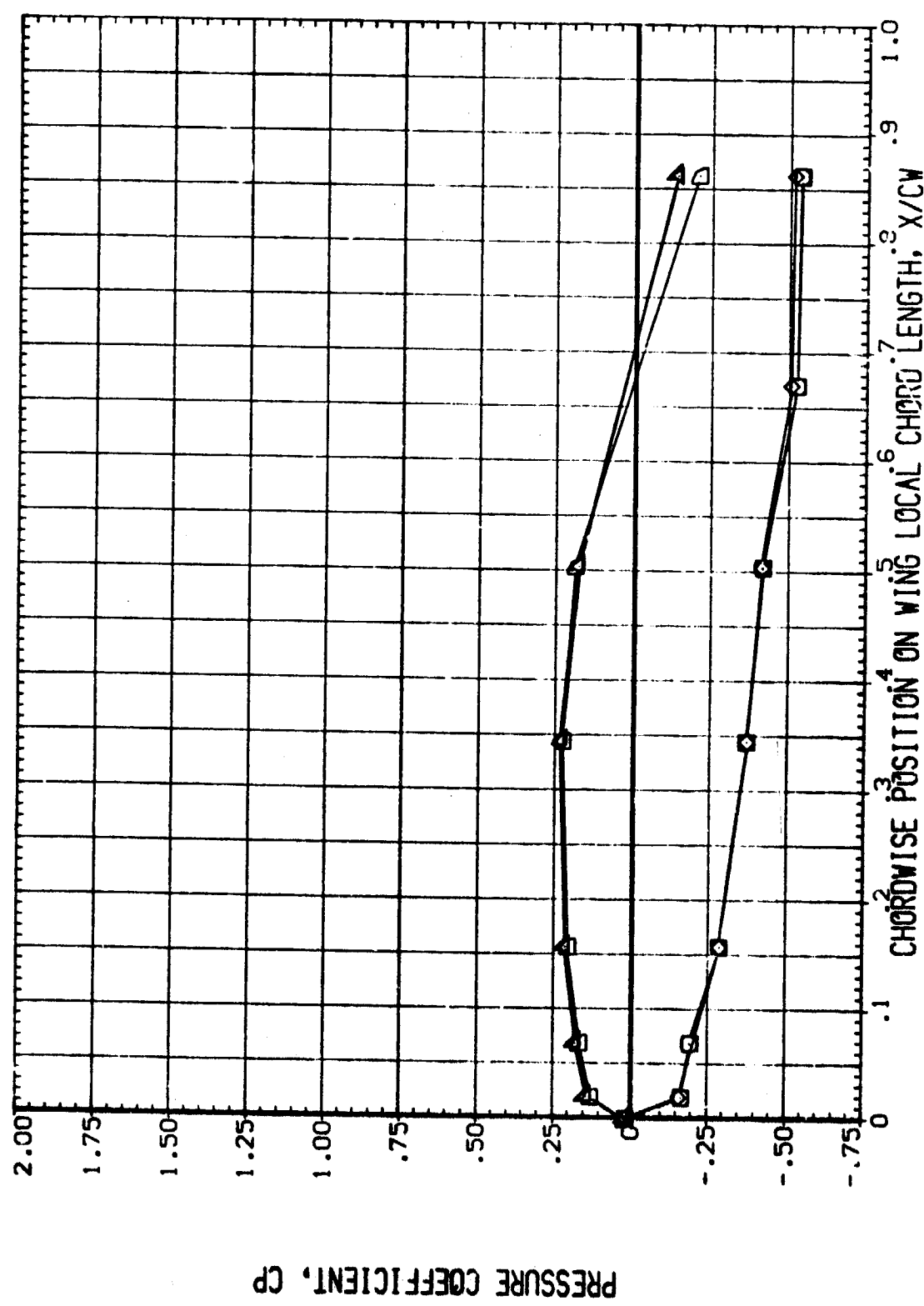


FIG. 65 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 1.55
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .972 PAGE 1312

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	-4.000
(1ETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(1ETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1ETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

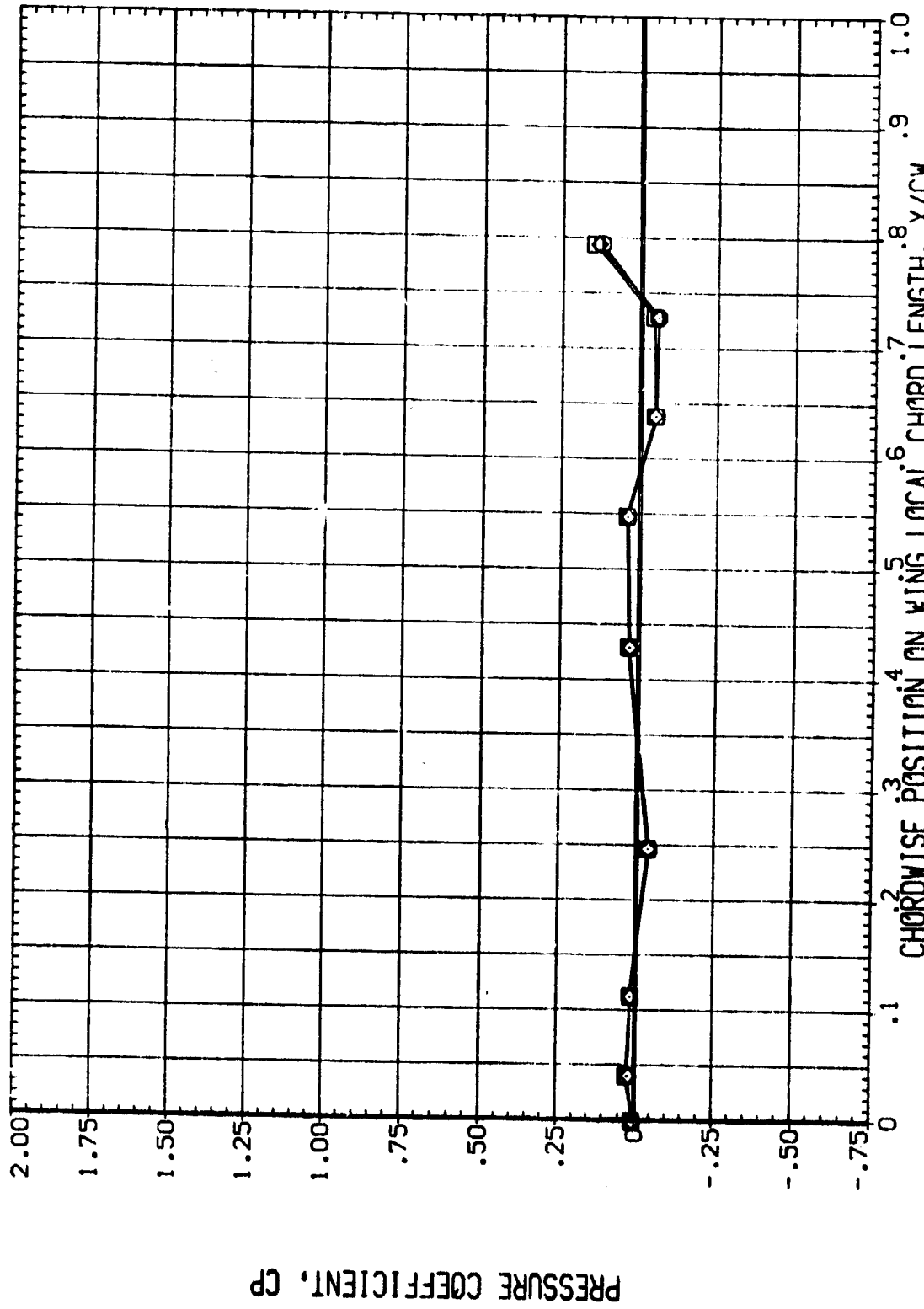


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .235 PAGE 1313

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL44)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

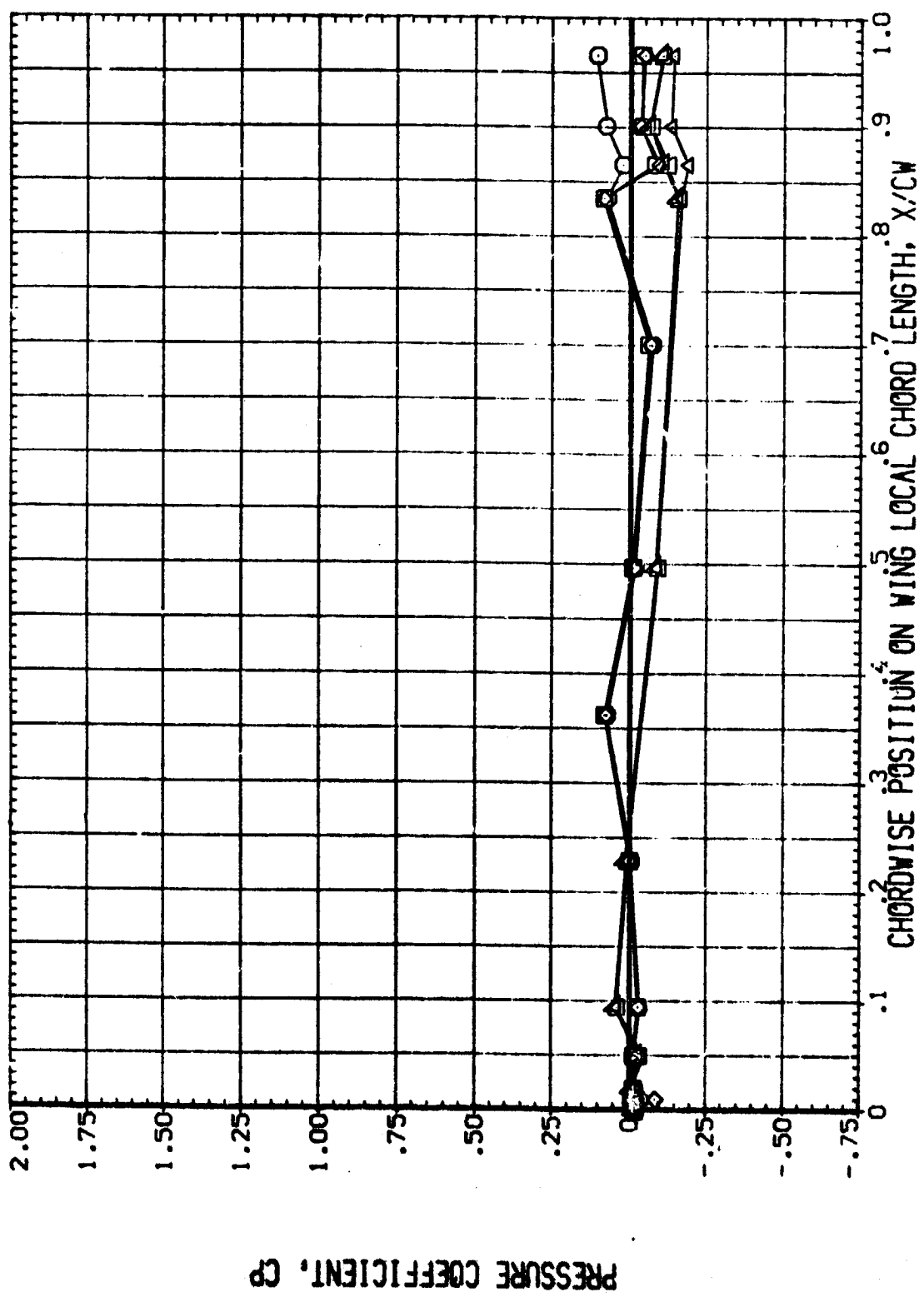


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

ALPHA = -6.000 BETA = .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	F-V-08
(IETU'0)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU'4)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU'8)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL'0)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL'4)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL'8)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

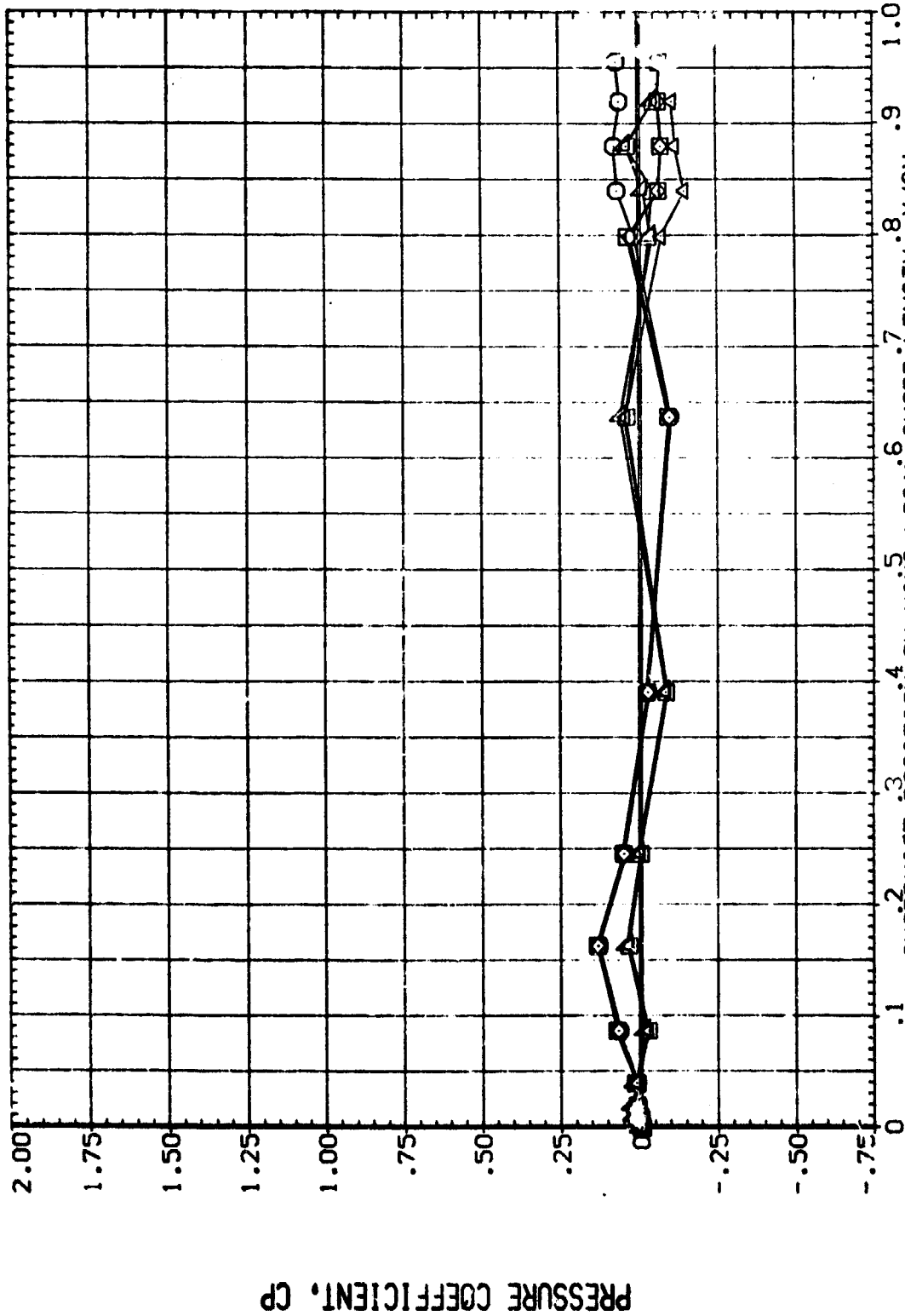


FIG. 66 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 ALPHA = -6.000 BETA = .000 Y/BW = .364
 SPDBRK = 0, MACH = 2.00
 PAGE 1315

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

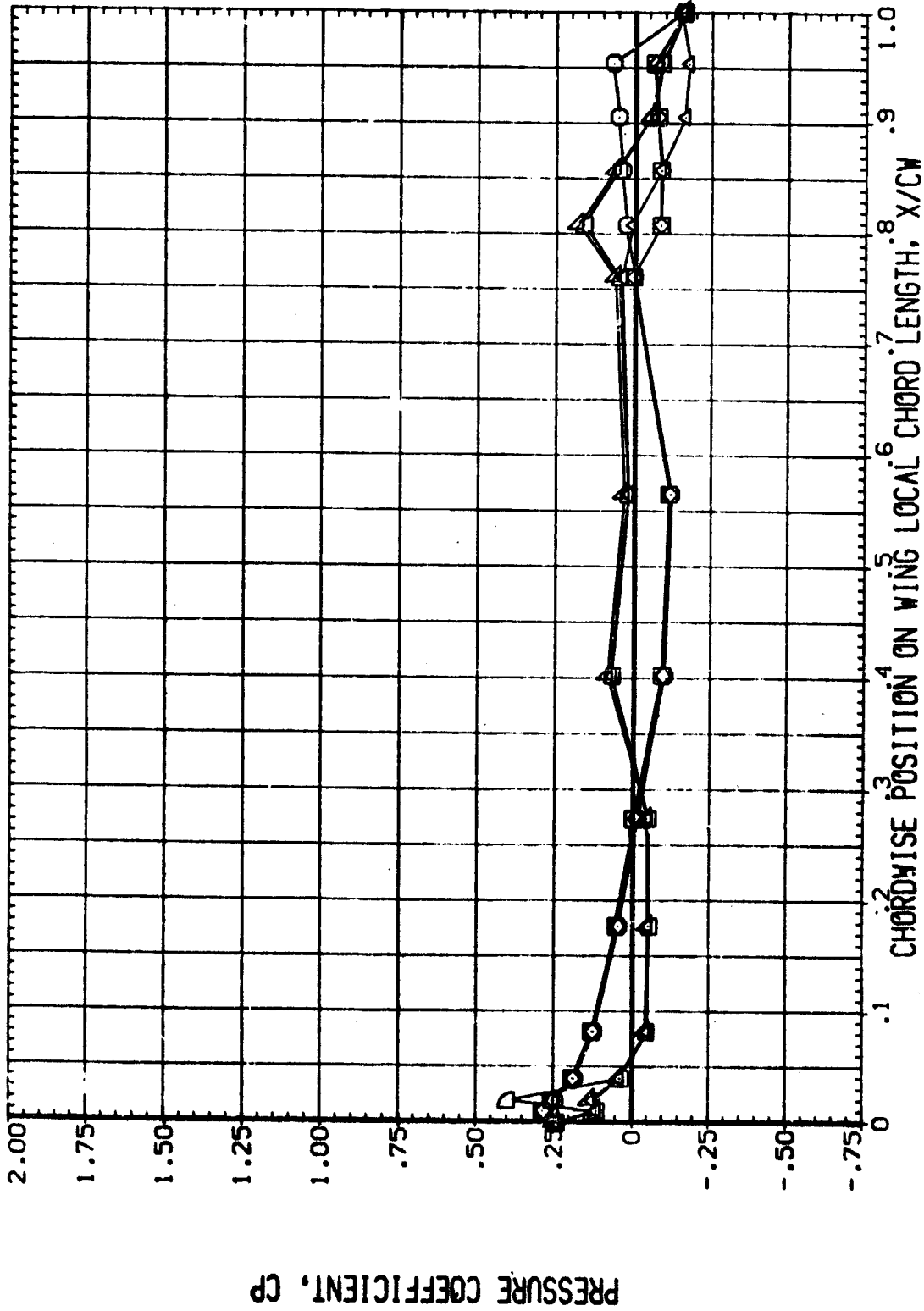


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA = -6.000 BETA = .000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

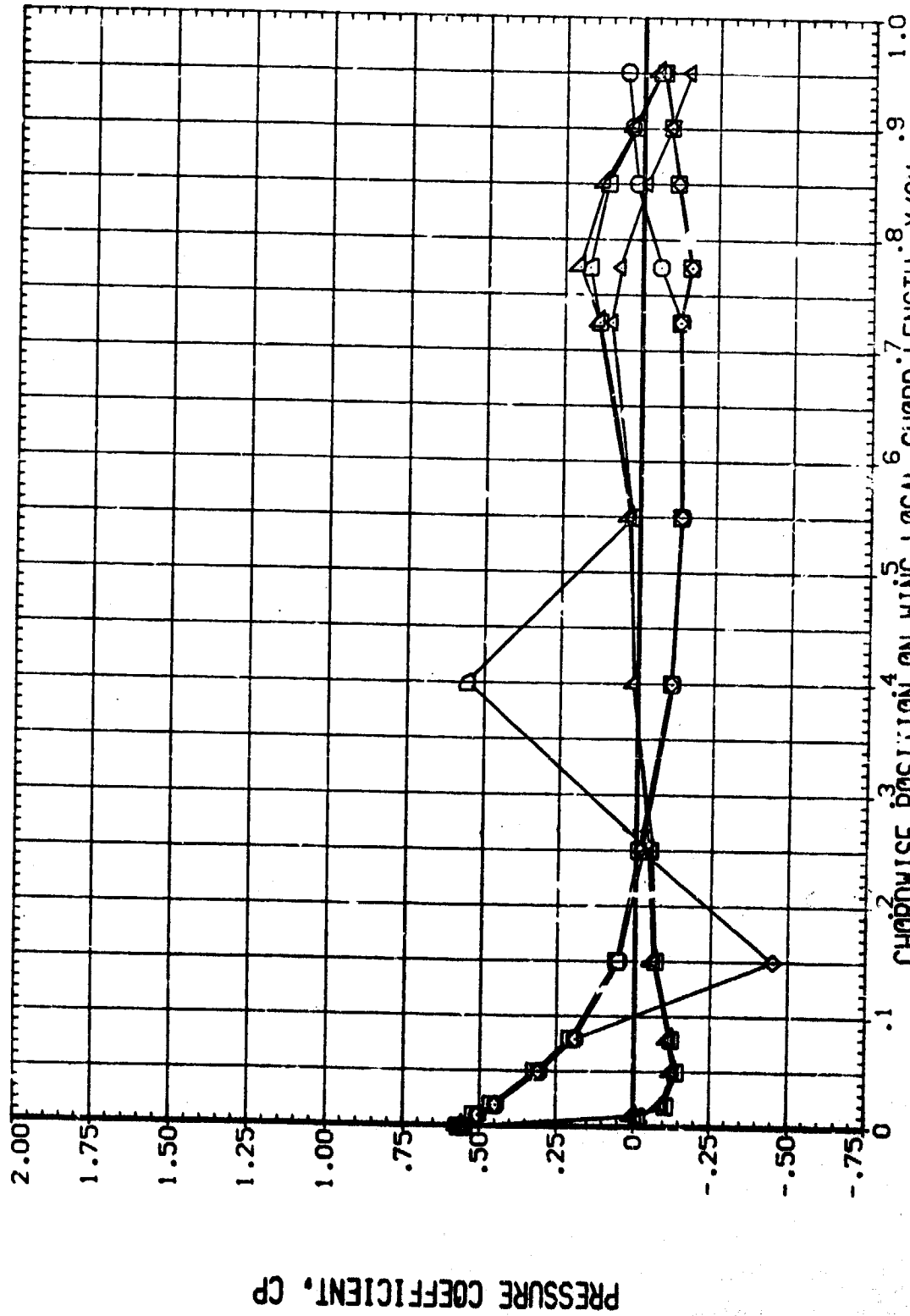


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA = -6.000 BETA = .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

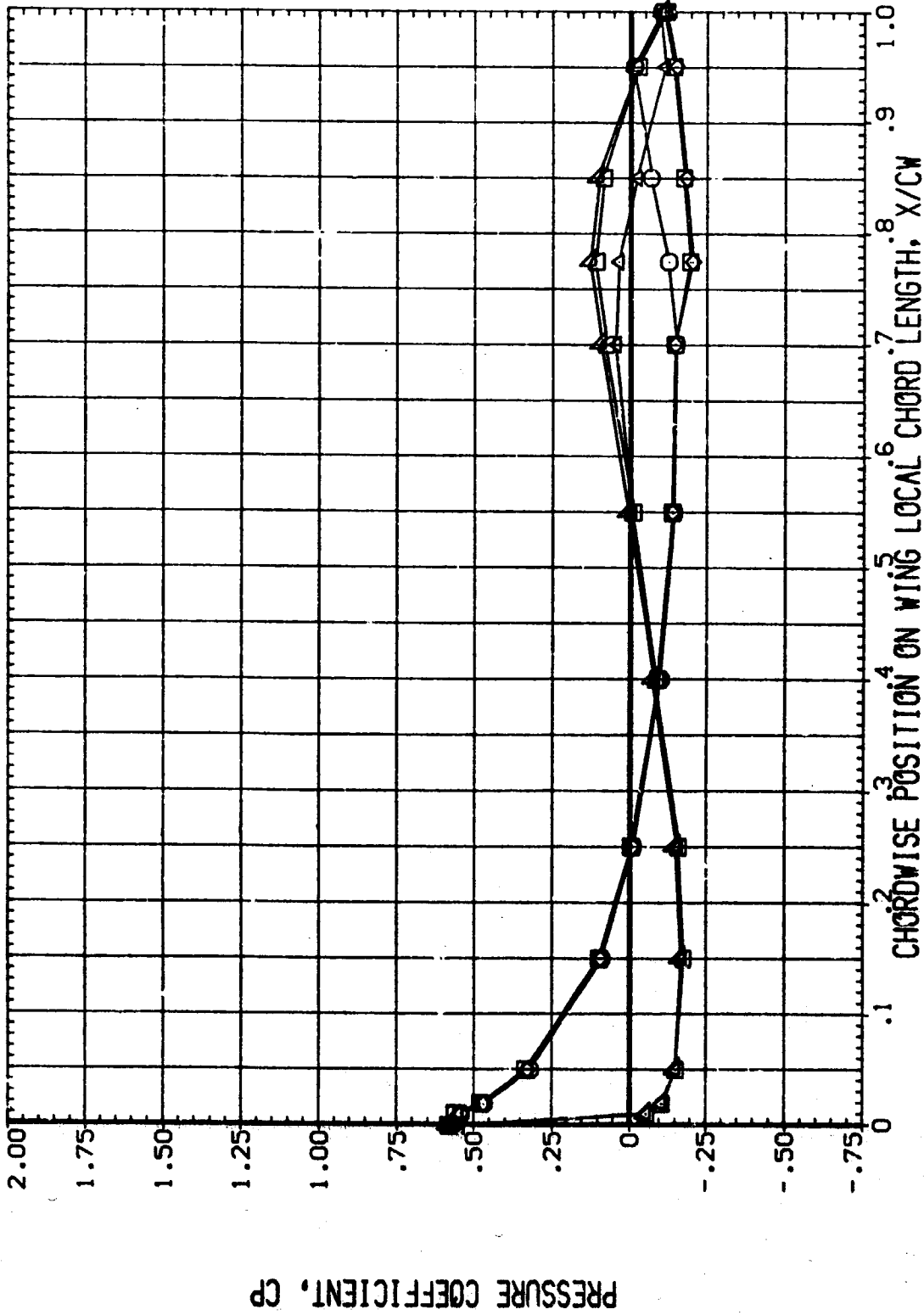


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .673 PAGE 1318

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IL'U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IE'U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IE'U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IE'U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IE'U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IE'U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

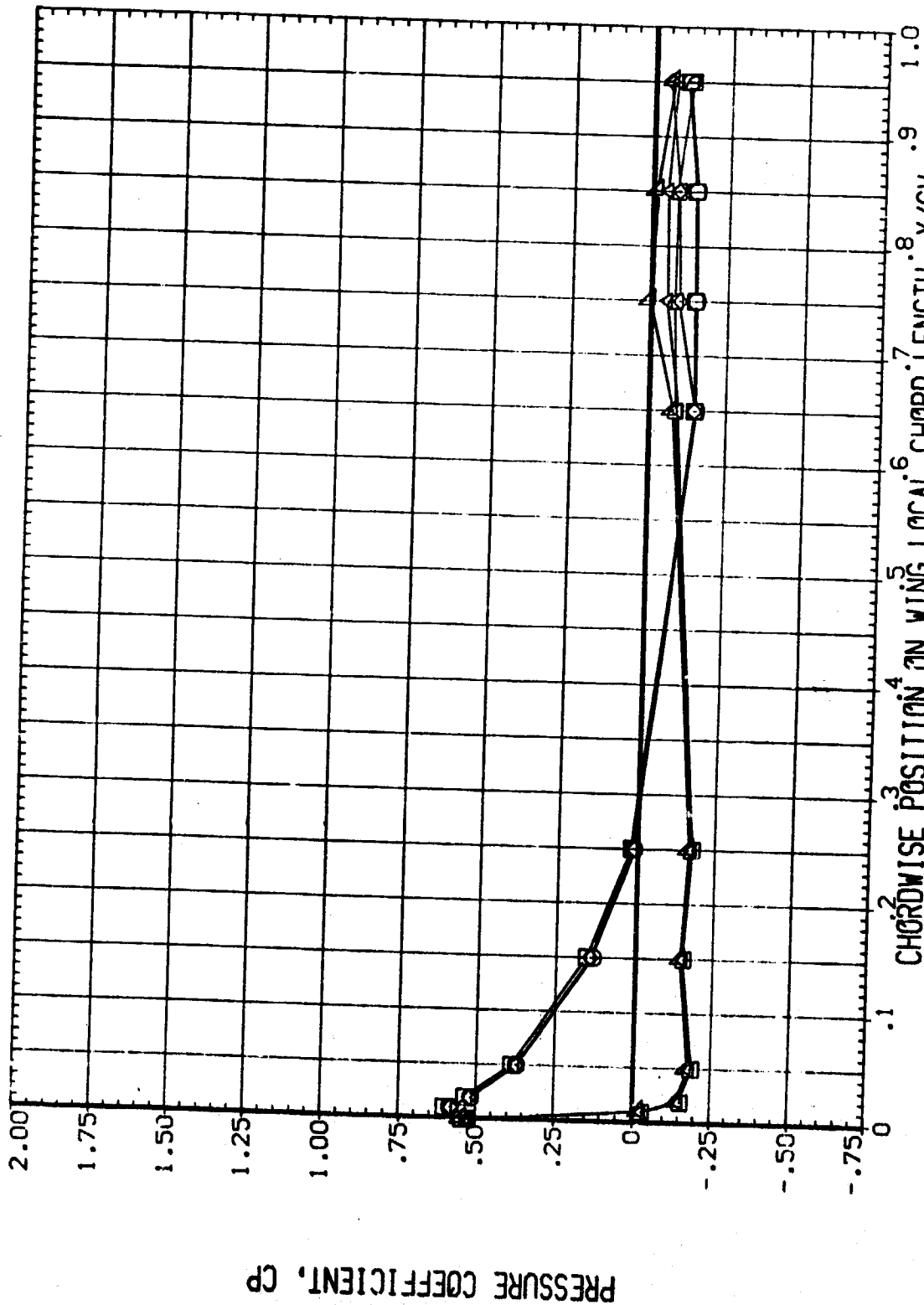


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0, MACH = 2.00
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

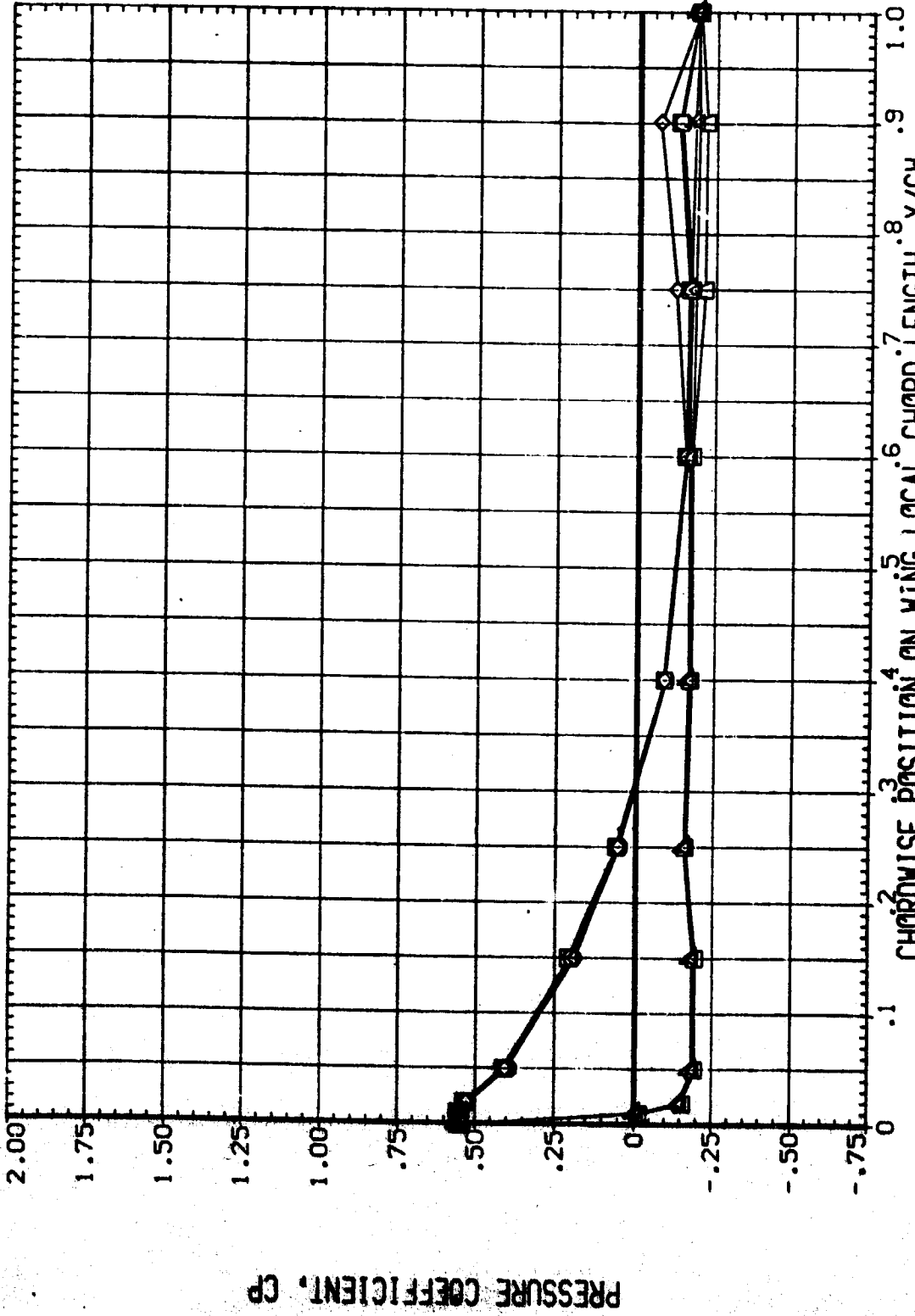


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00
 ALPHA = -6.000 BETA = .000 Y/BW = .887 PAGE 1320

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETI36)	ARC97-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

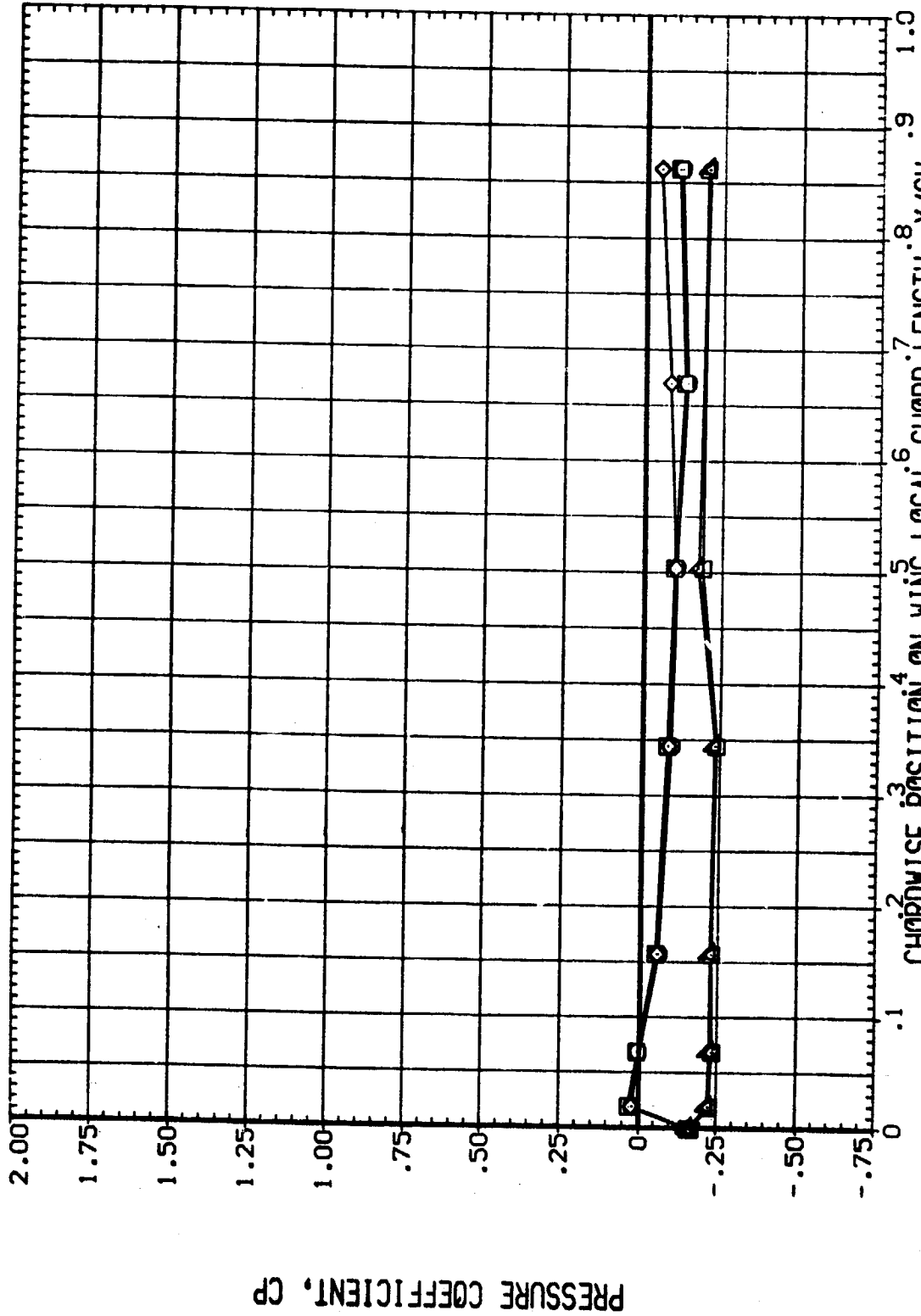
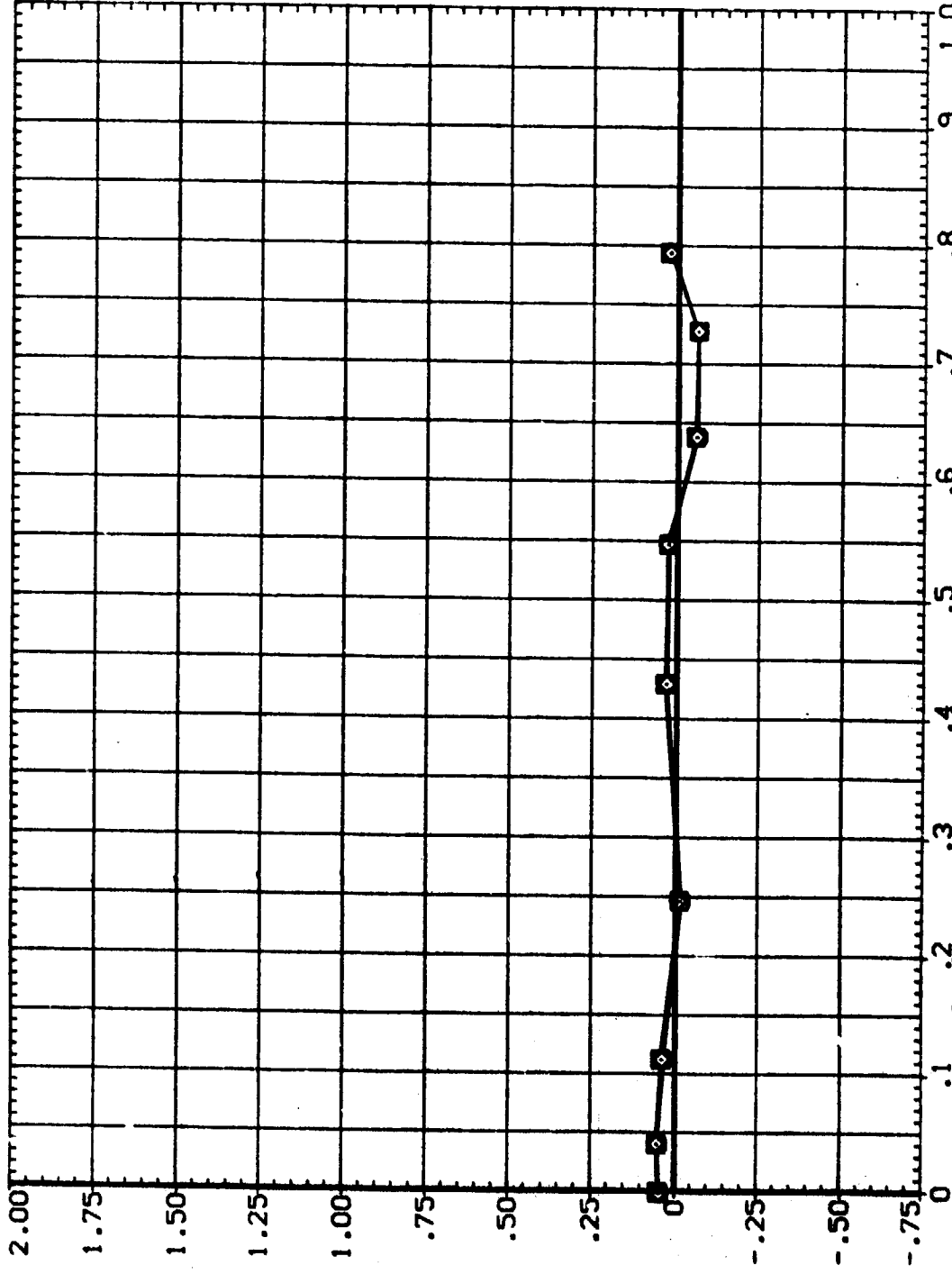


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0. MACH = 2.00
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .972 PAGE 1321

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(1ETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1ETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

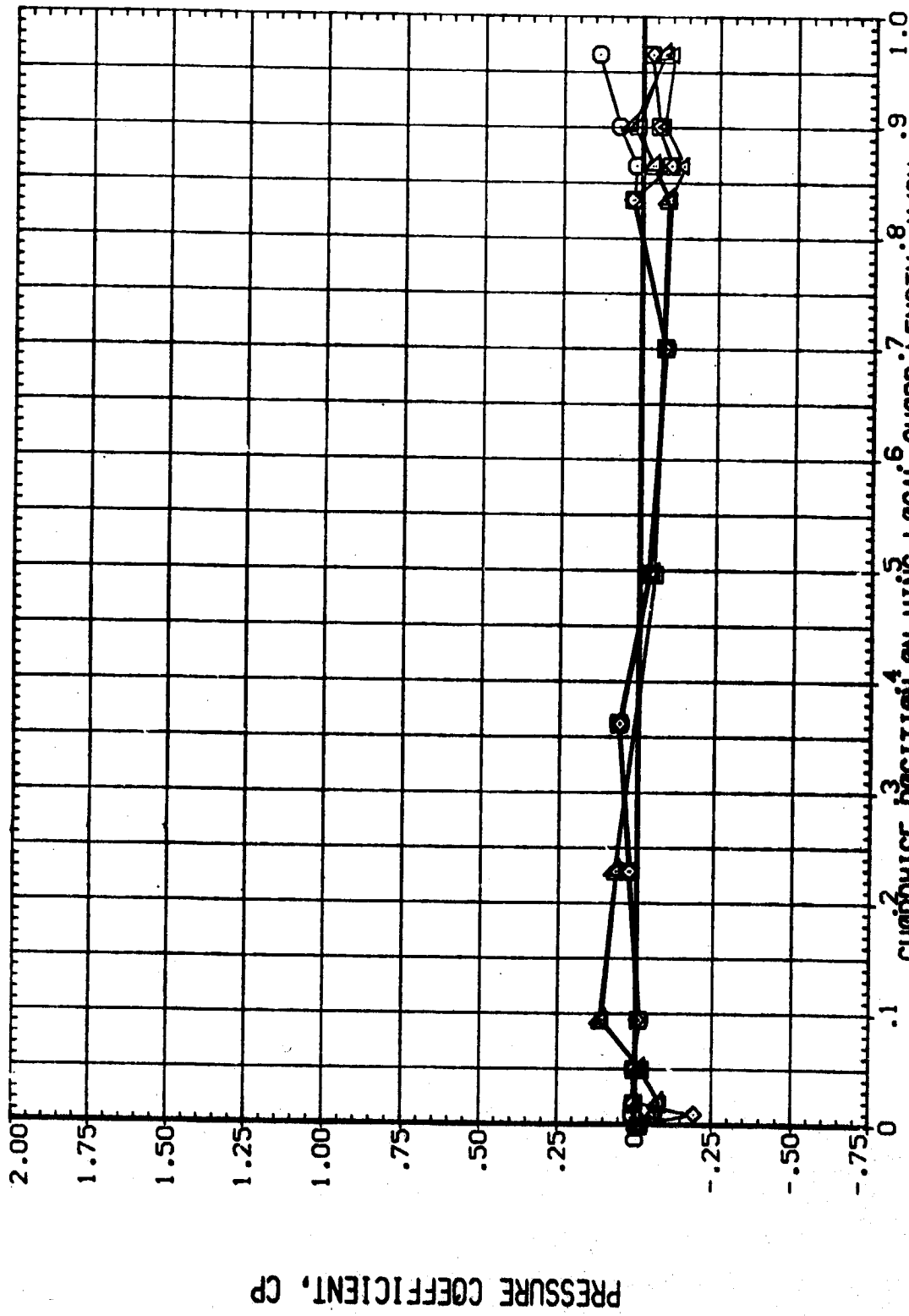


PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 2.00
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .235 PAGE 1322

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(IETL40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

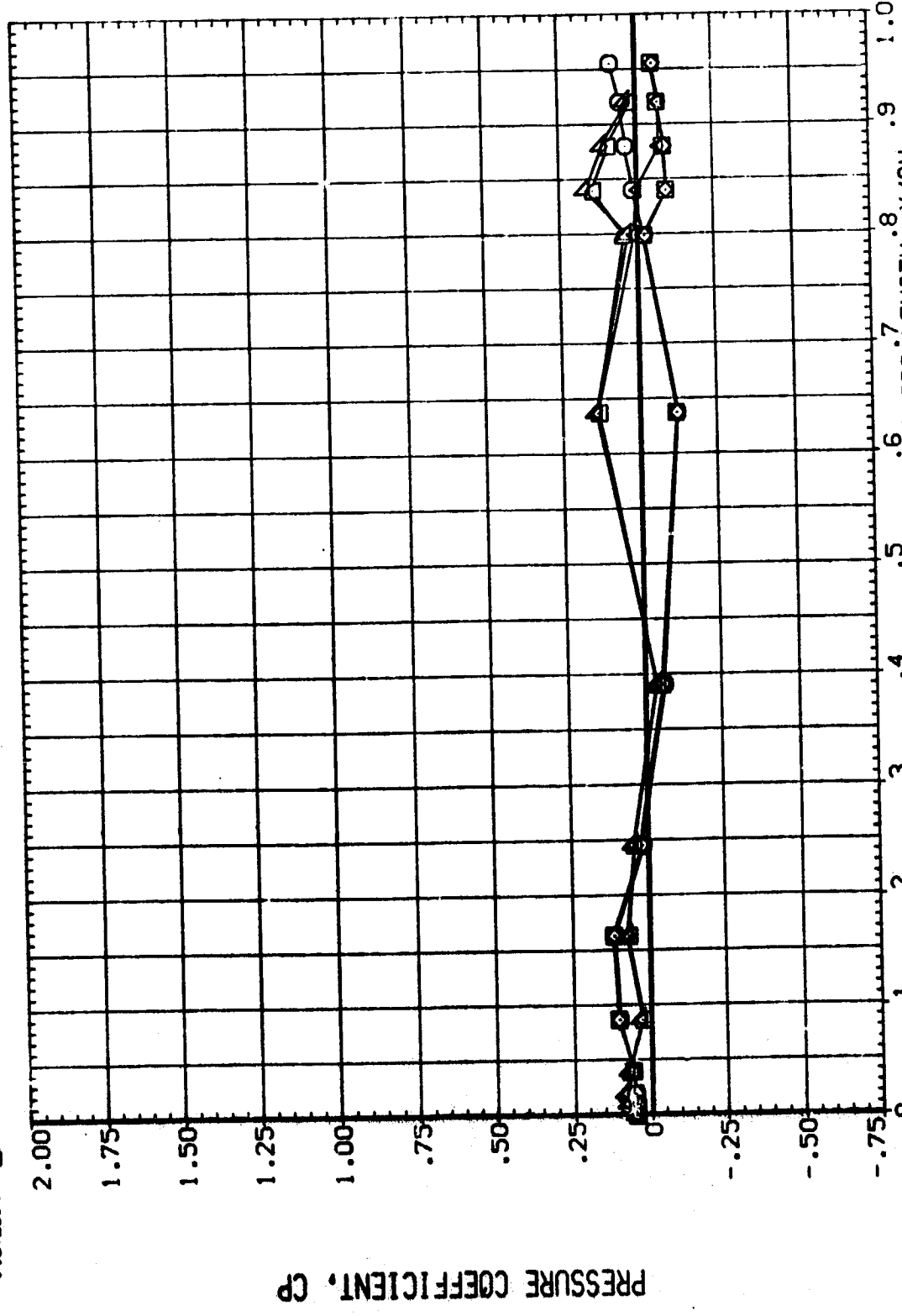


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA= -4.000 BETA= -4.000 Y/BW = .364 PAGE 1324

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

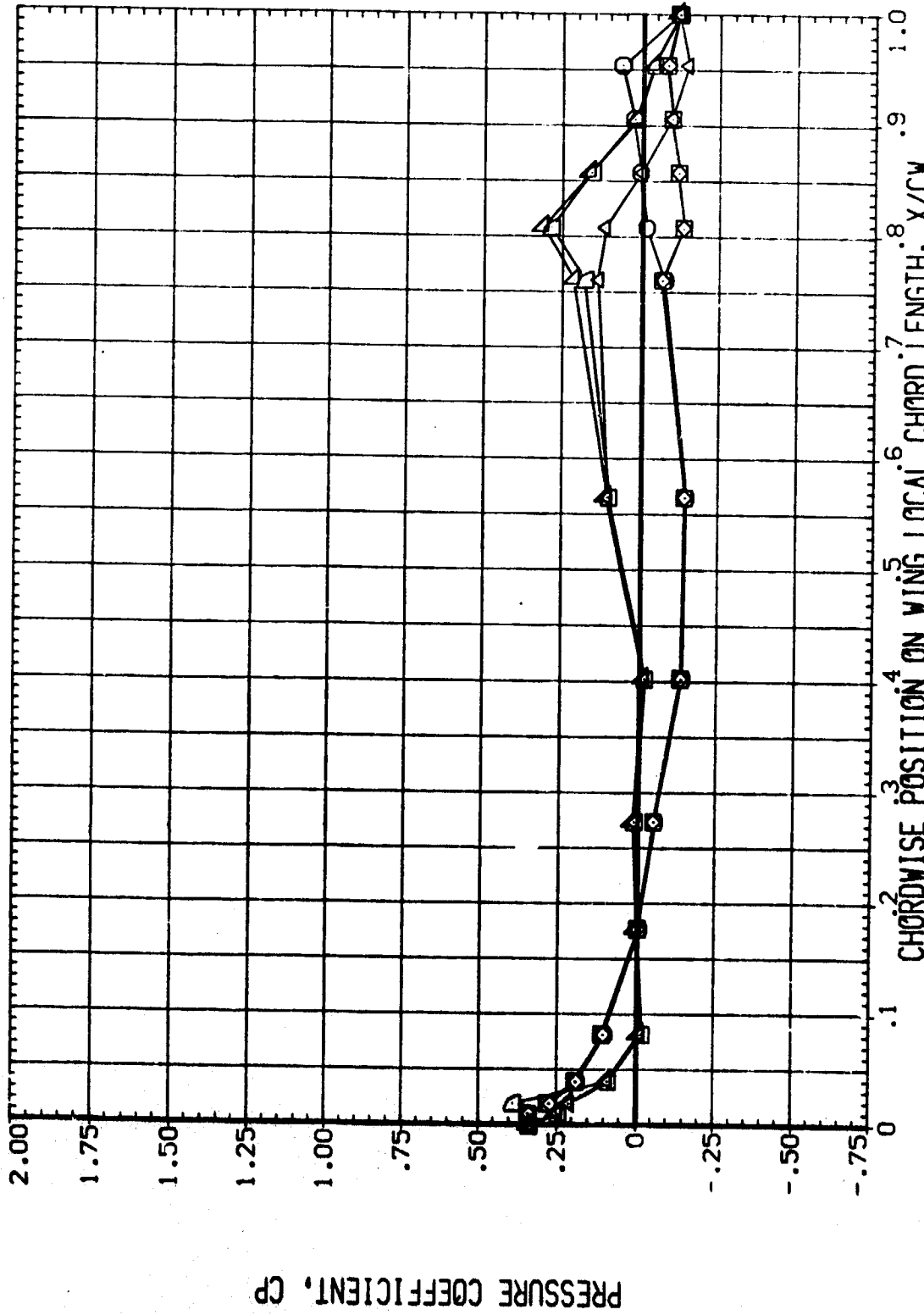


FIG. 66 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

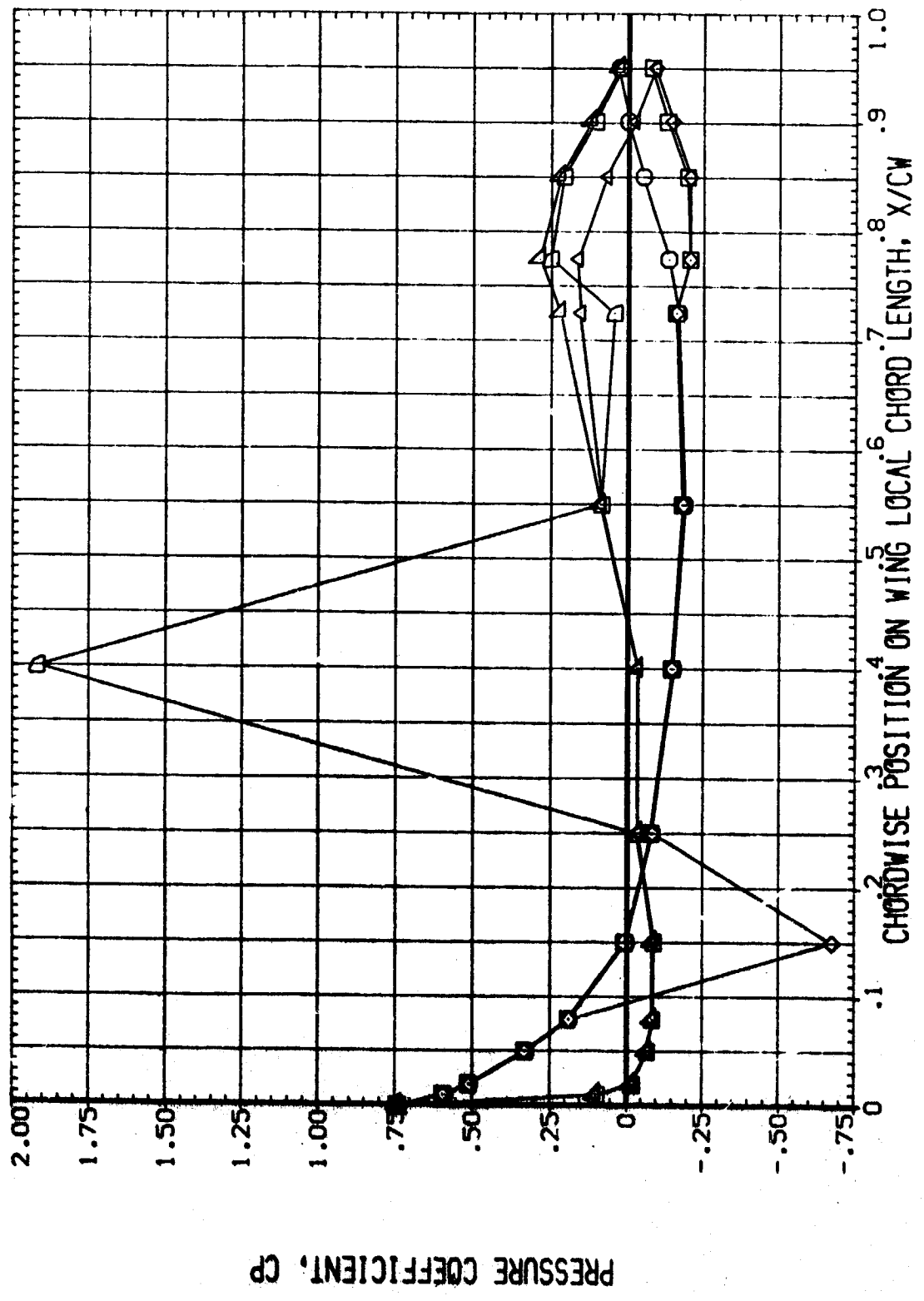


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA = -4.000 BETA = -4.000 Y/BW = .534

DATA S T SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU4)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU06)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000

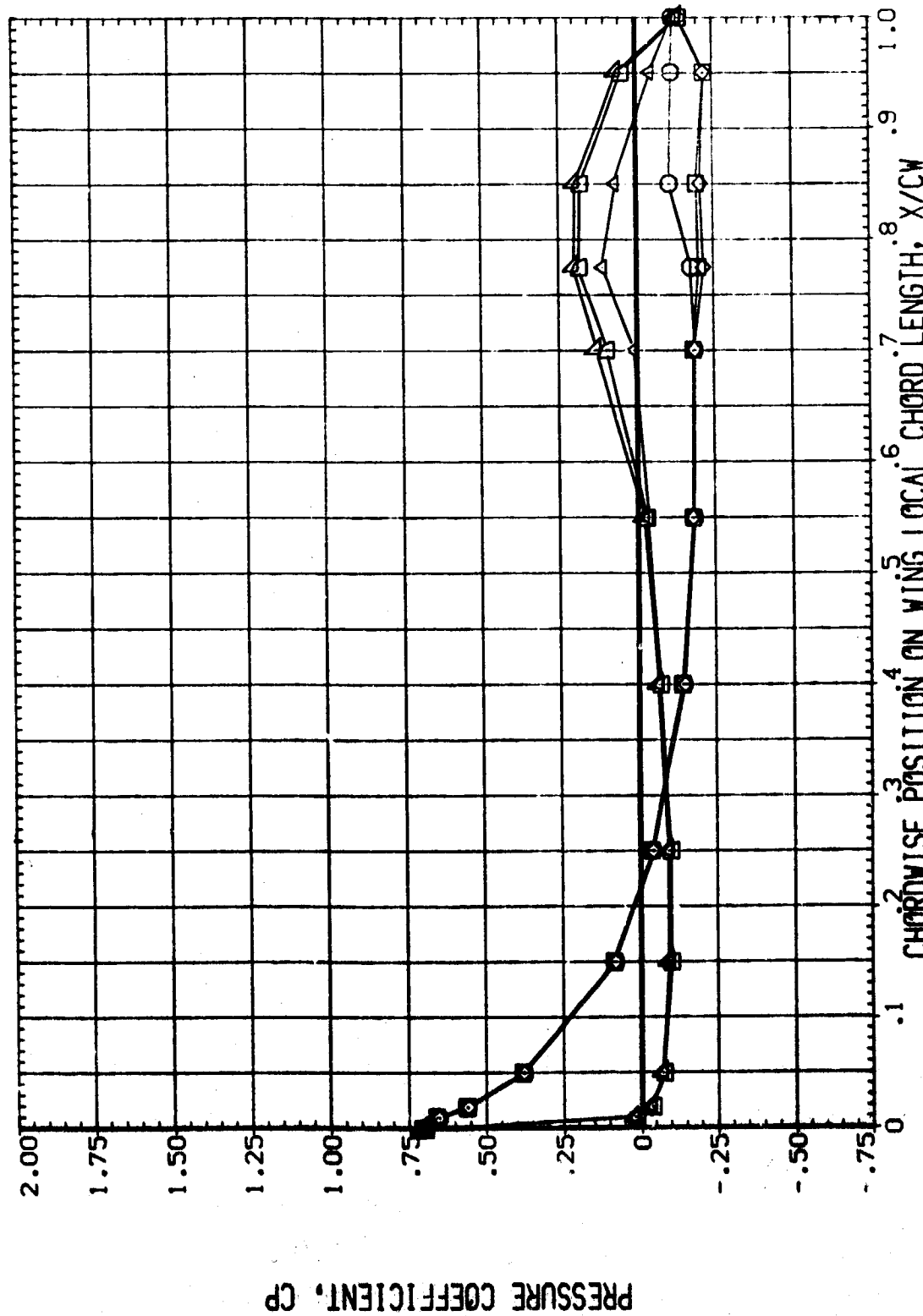


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.00

ALPHA = -4.000 BETA = -4.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETUM4)	ARC37-019 IAB1 LVAPCALLAL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETUM4)	ARC37-019 IAB1 LVAPCALLAL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETUM4)	ARC37-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL44)	ARC37-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC37-019 IAB1 LVAPCALLAL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

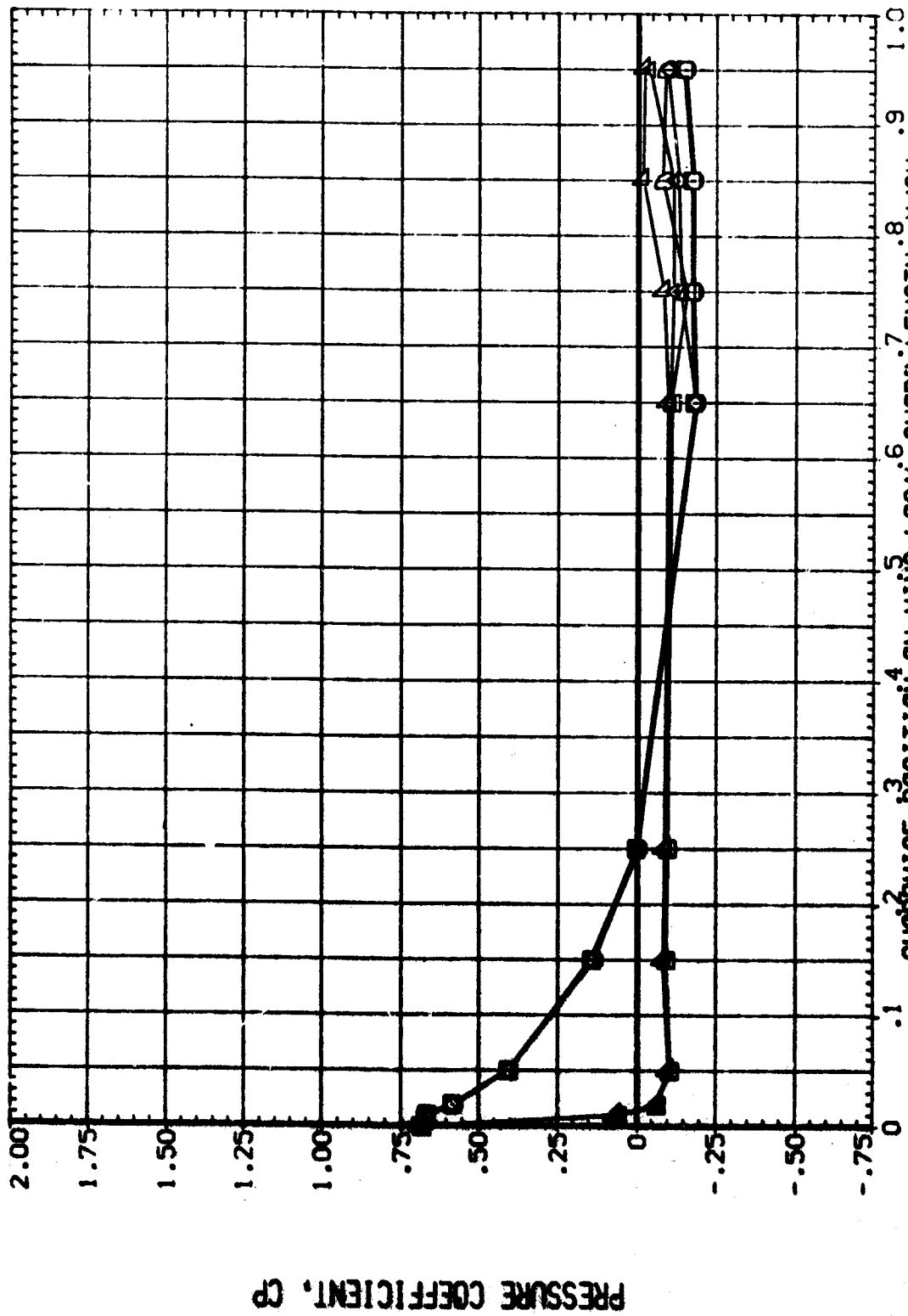


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA = -4.000 BETA = -4.000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

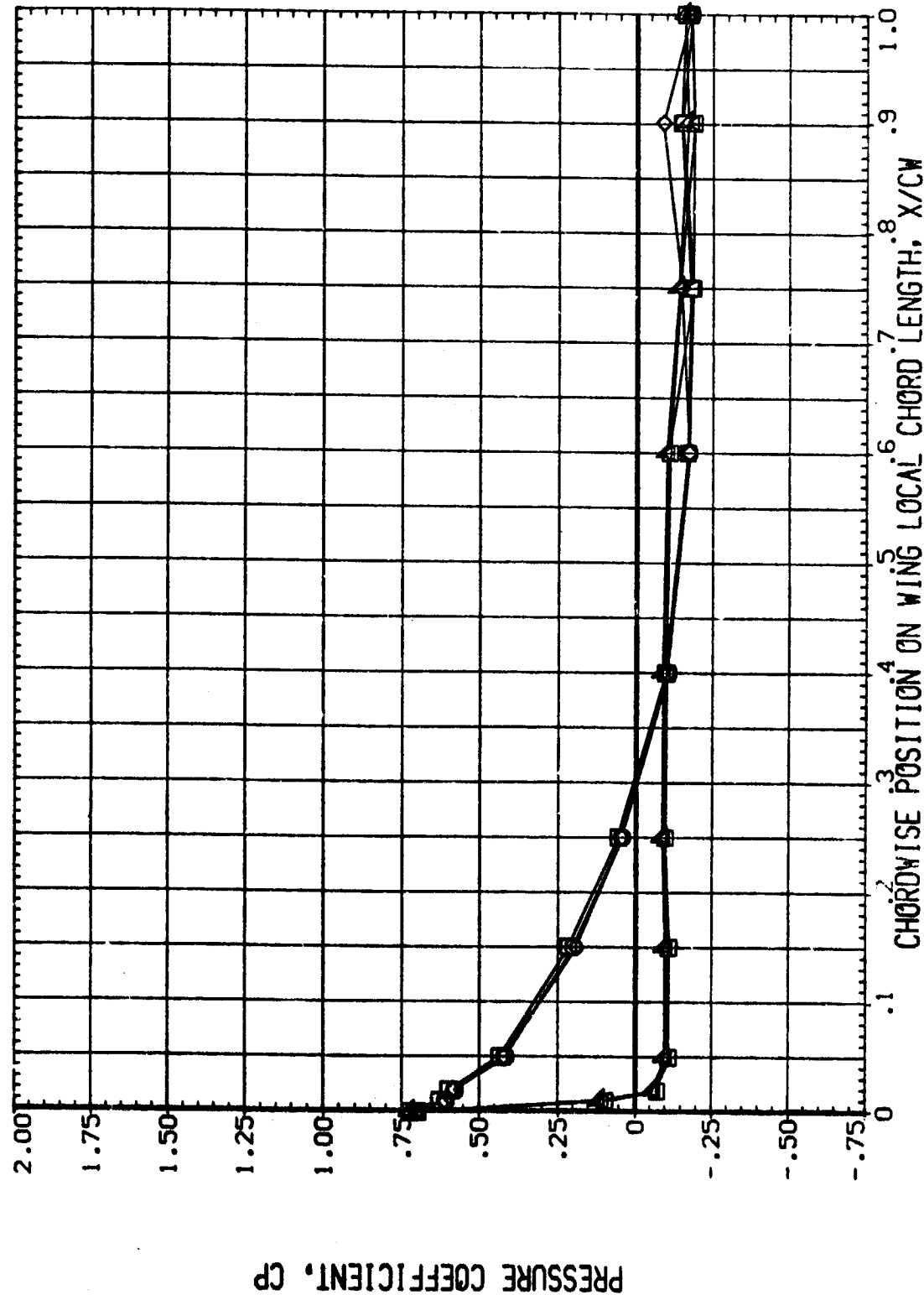


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

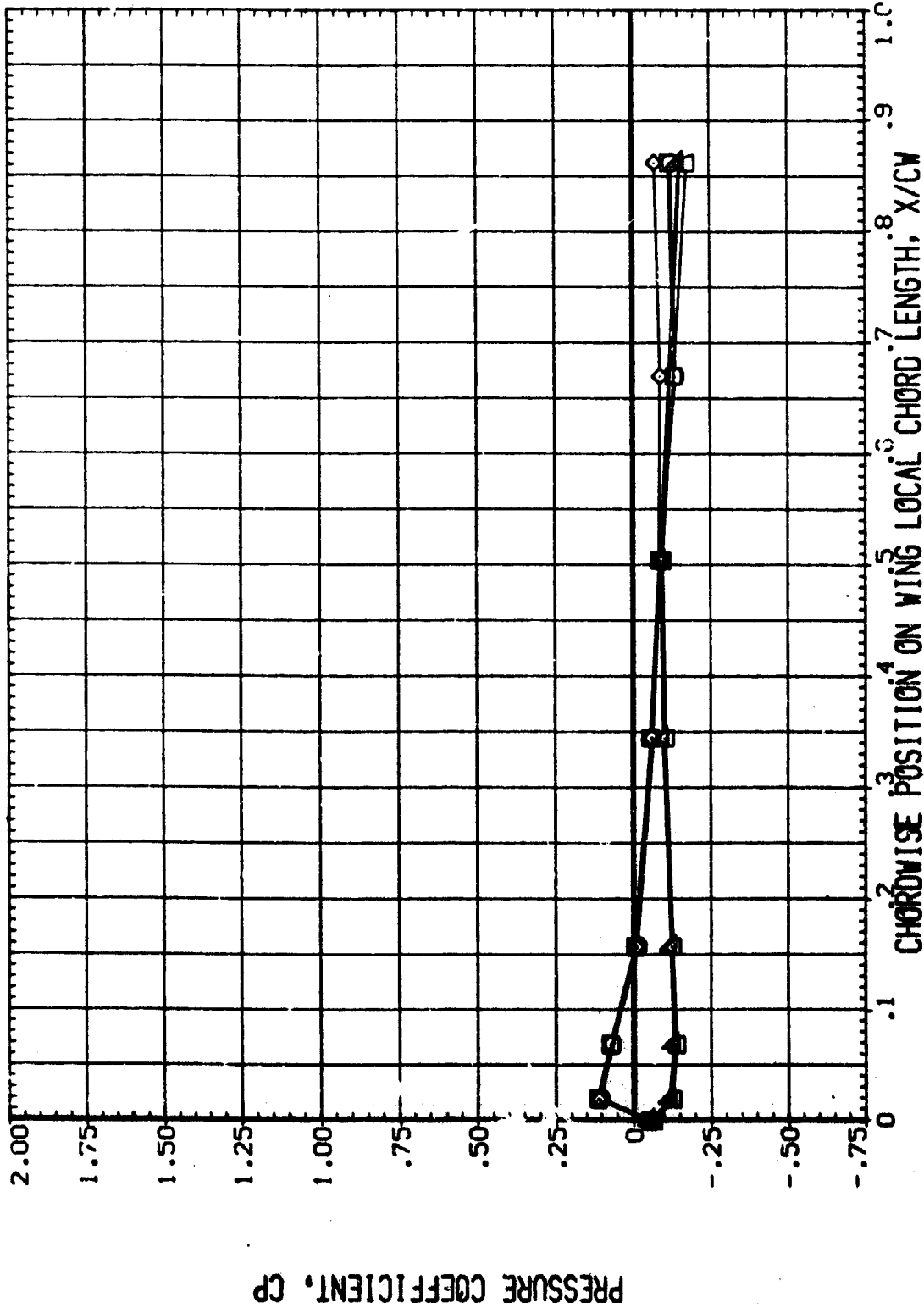
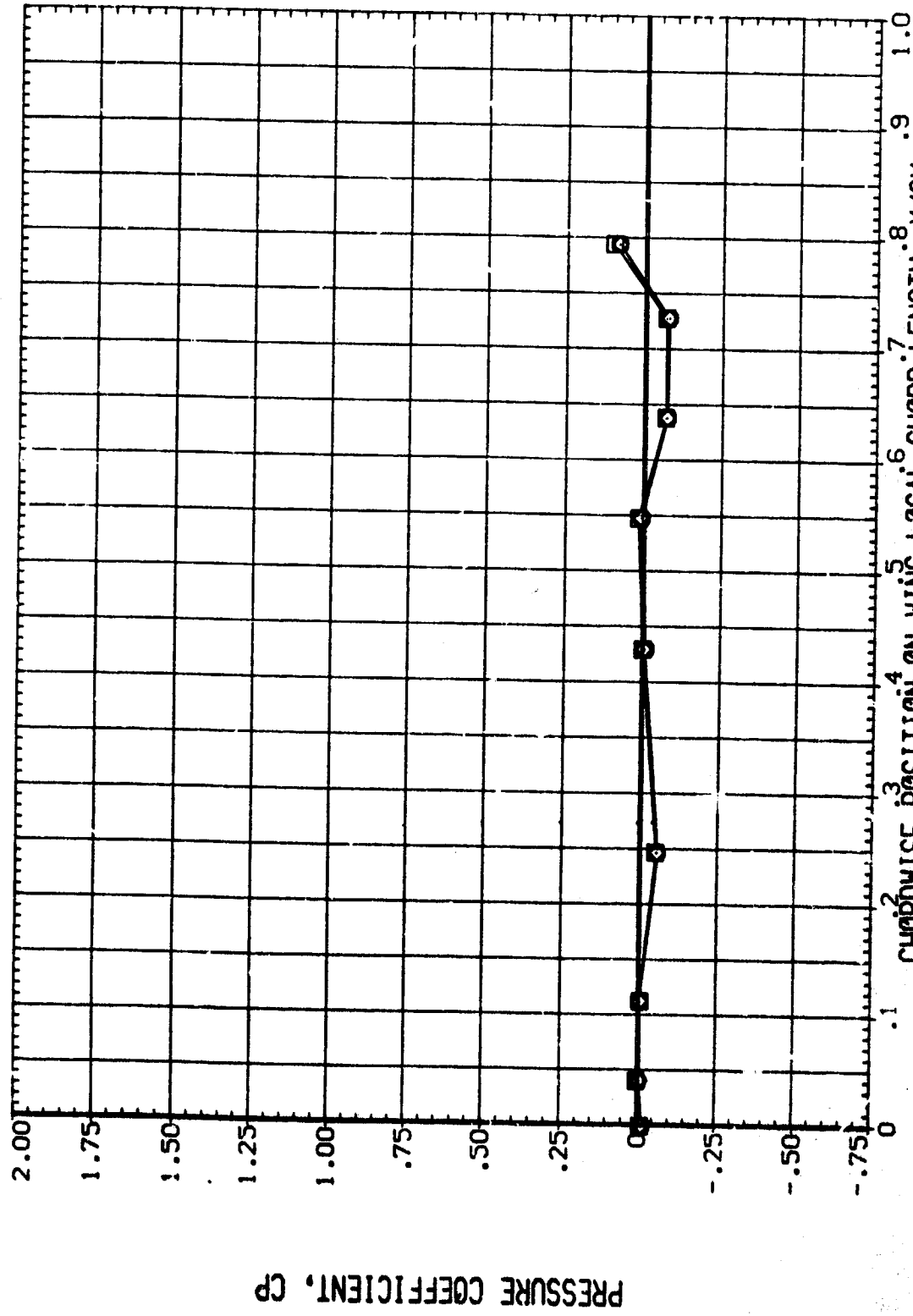


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .972 PAGE 1330

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00

ALPHA = -4.000 BETA = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1ETL40)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL44)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL36)	ARC97-019 [A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

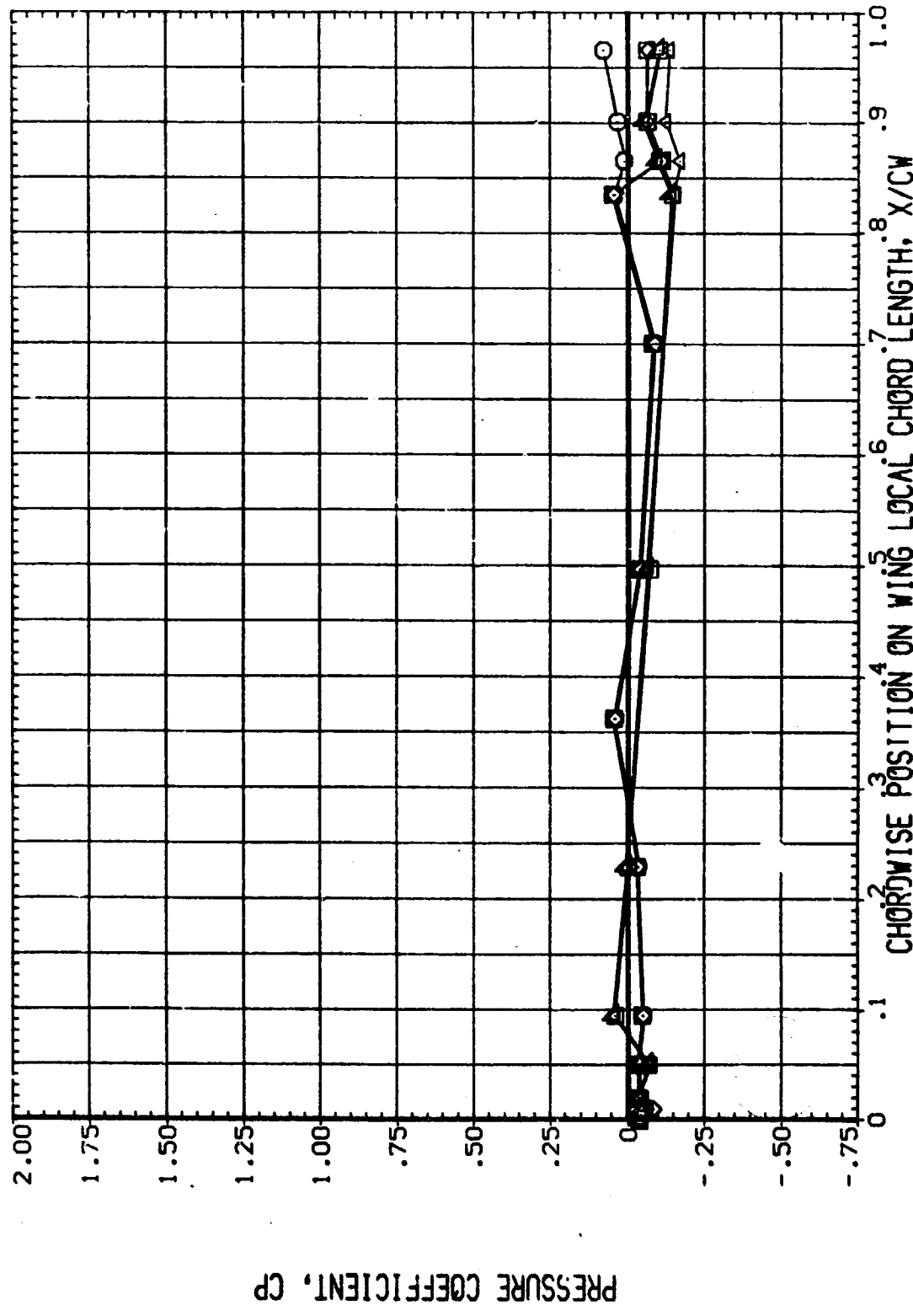


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .299 PAGE 1332

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETL40)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETL41)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

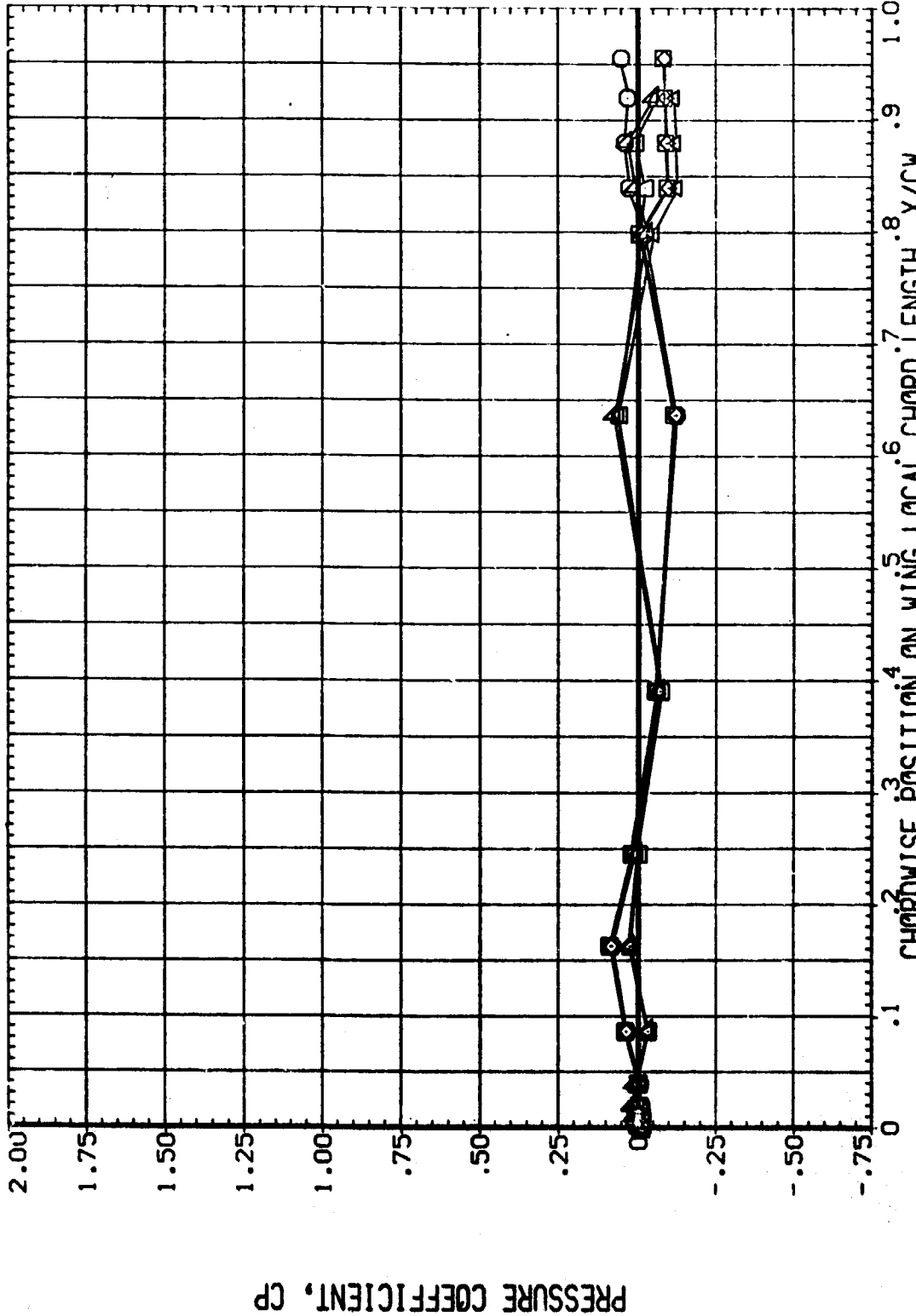


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .364 PAGE 1333

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

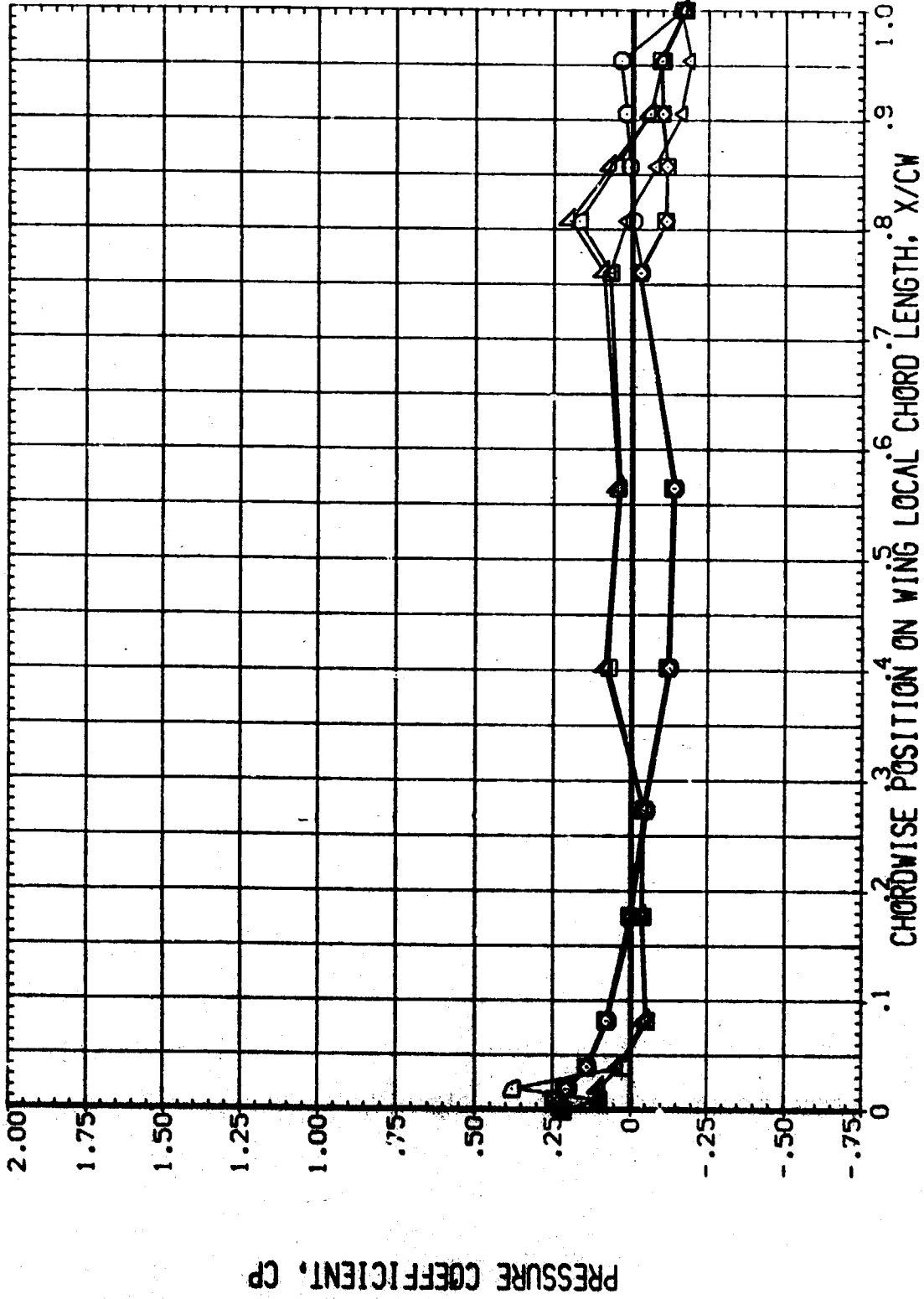


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA = -4.000 BETA = .000 Y/BW = .427

0

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

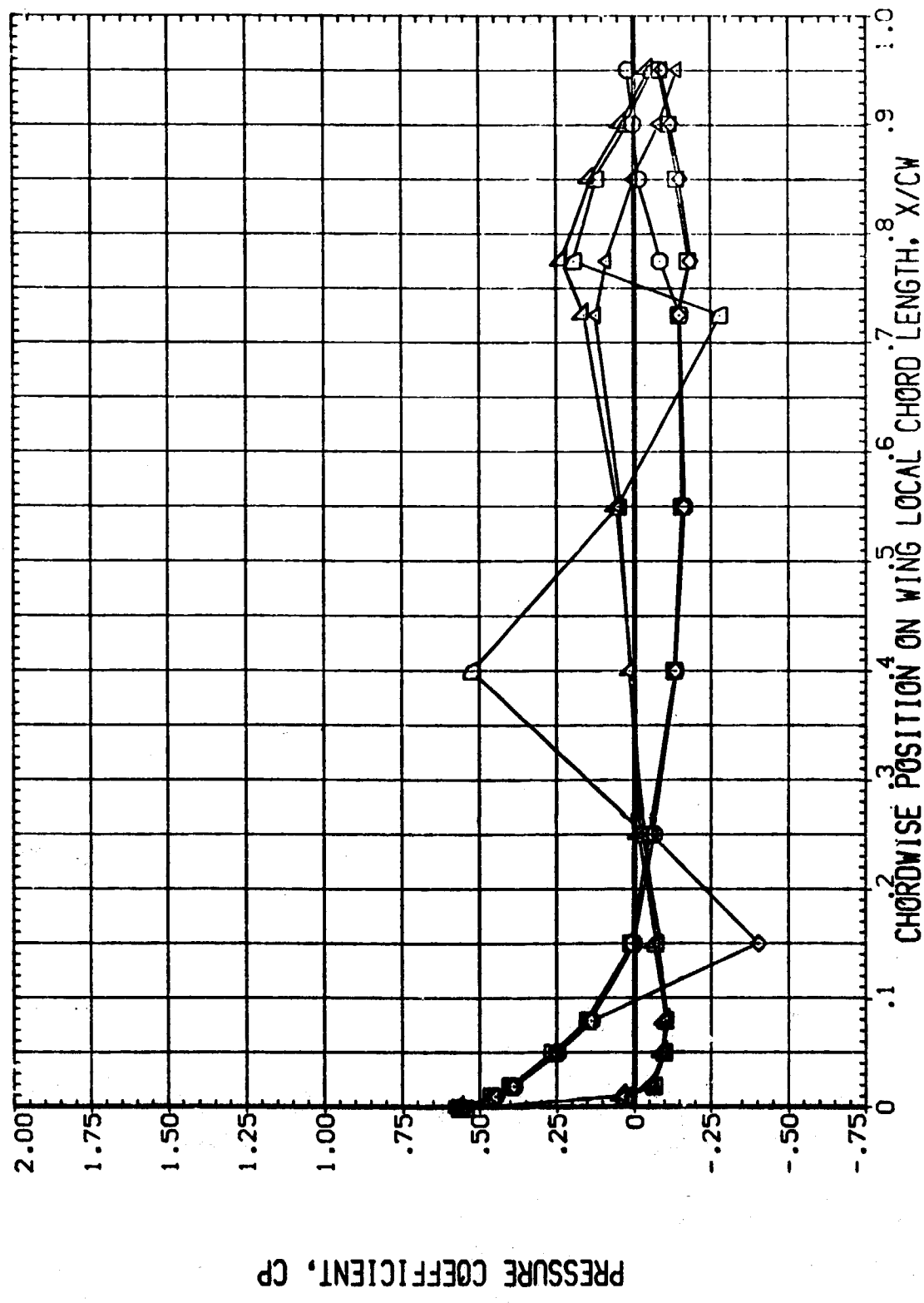


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-IB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING TOP	2.000	8.000	2.500	.000
(IETU28)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.000	8.000	2.500	-4.000

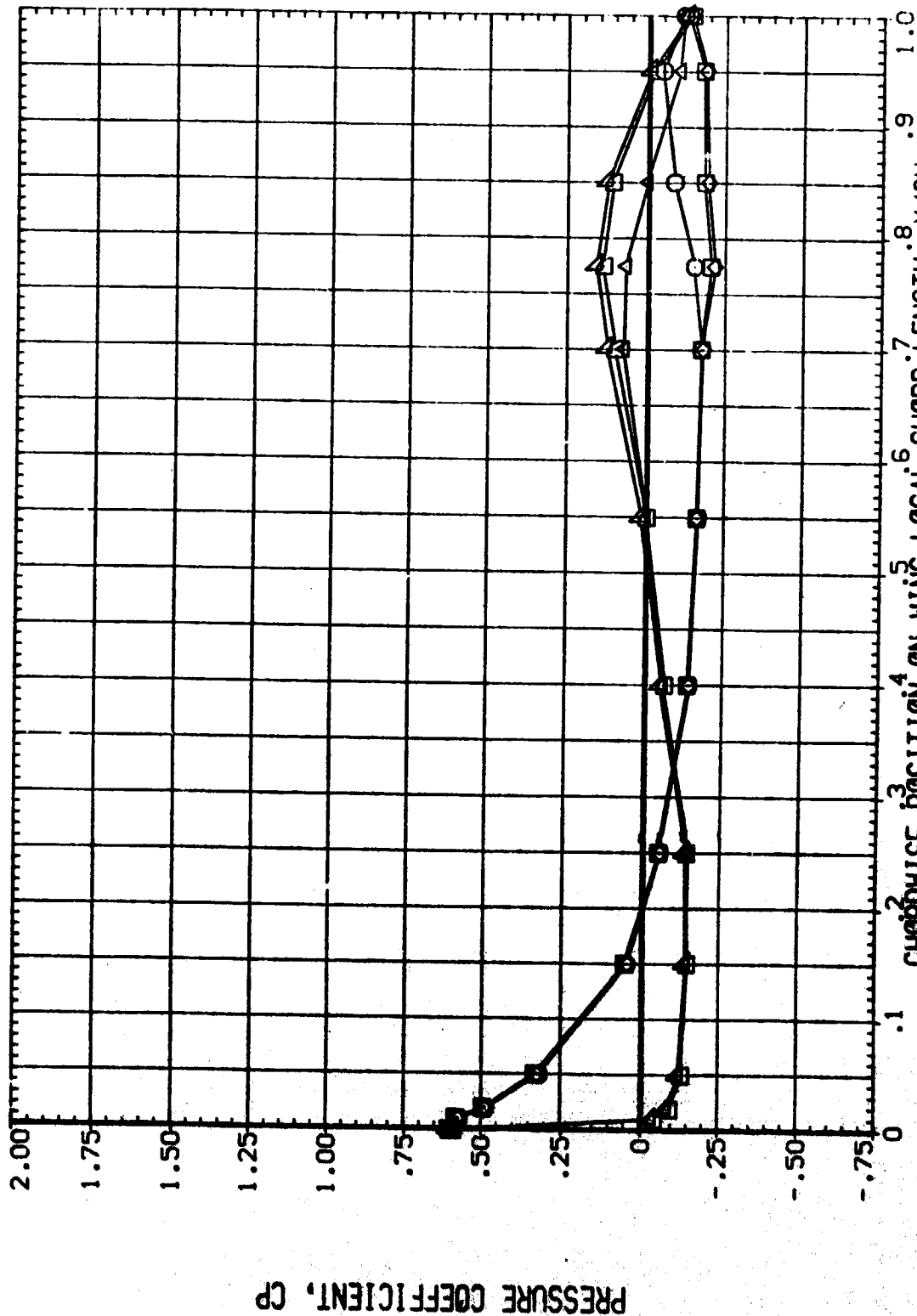


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(JETU44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

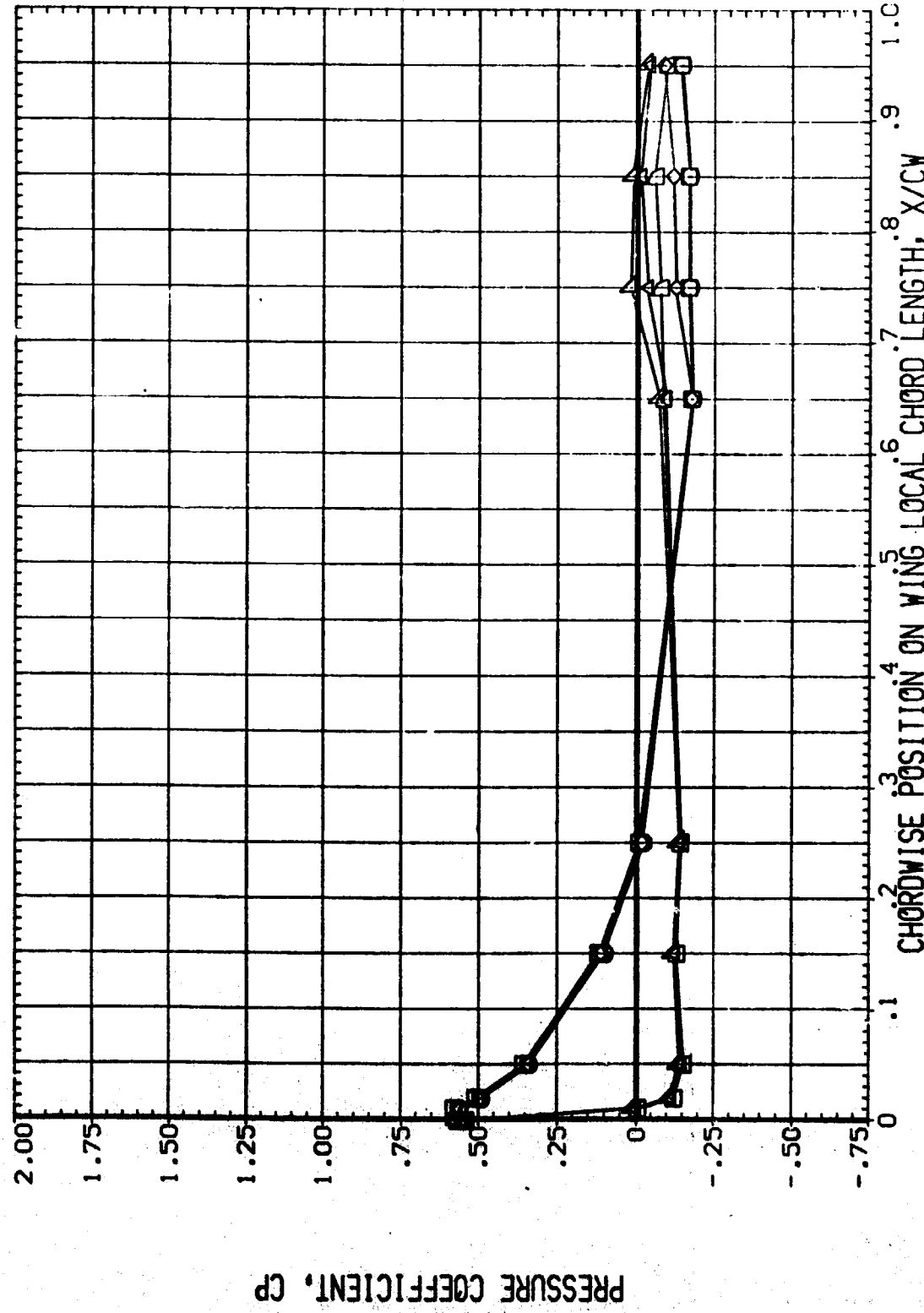


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

DATA SET SYMBO.	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU42)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000

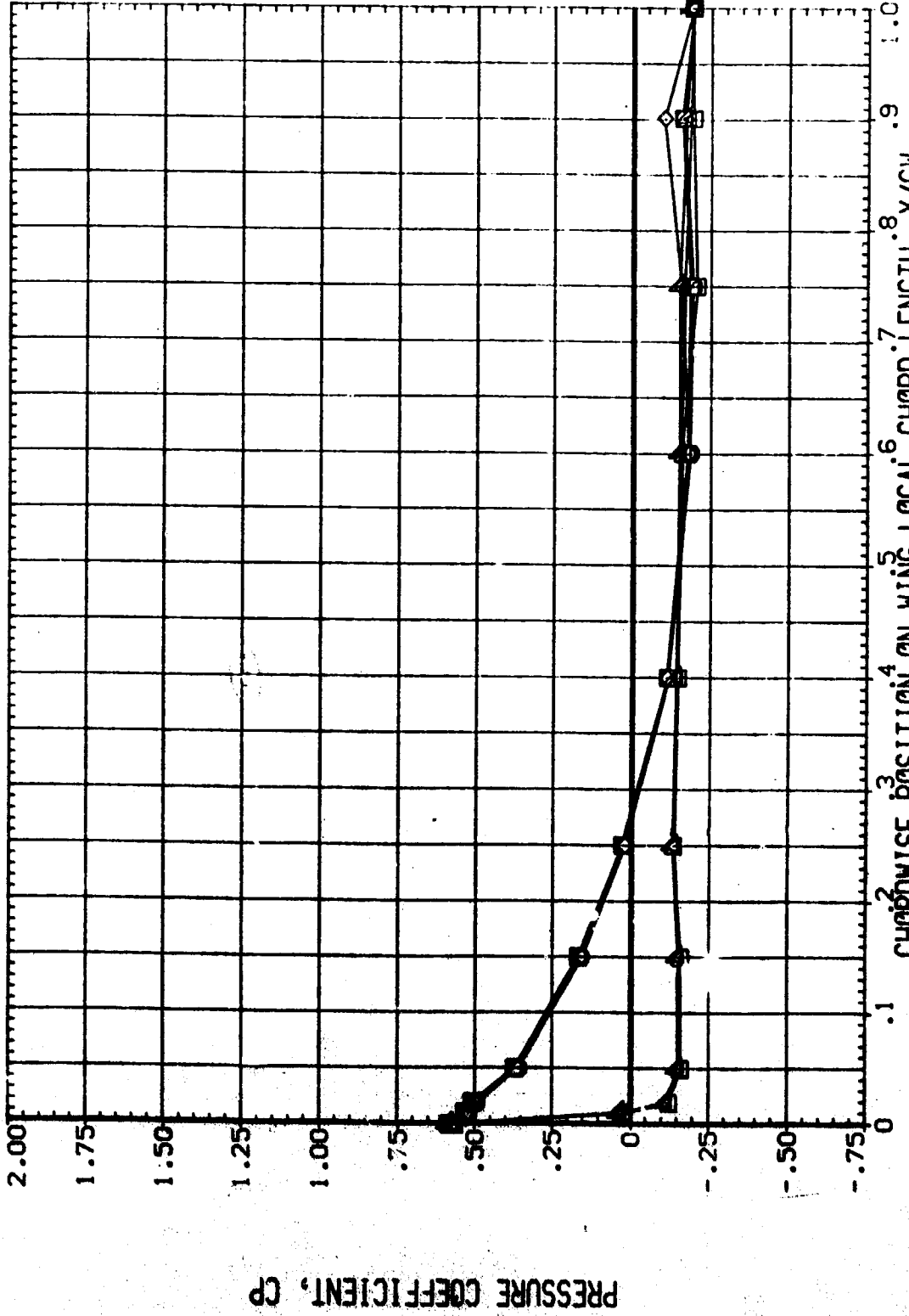


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00

ALPHA= -4.000 BETA = .000 Y/BW = .887 PAGE 1338

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(:ETUM0)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(:ETUM4)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(:ETU36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(:ETL40)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(:ETL44)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(:ETL36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

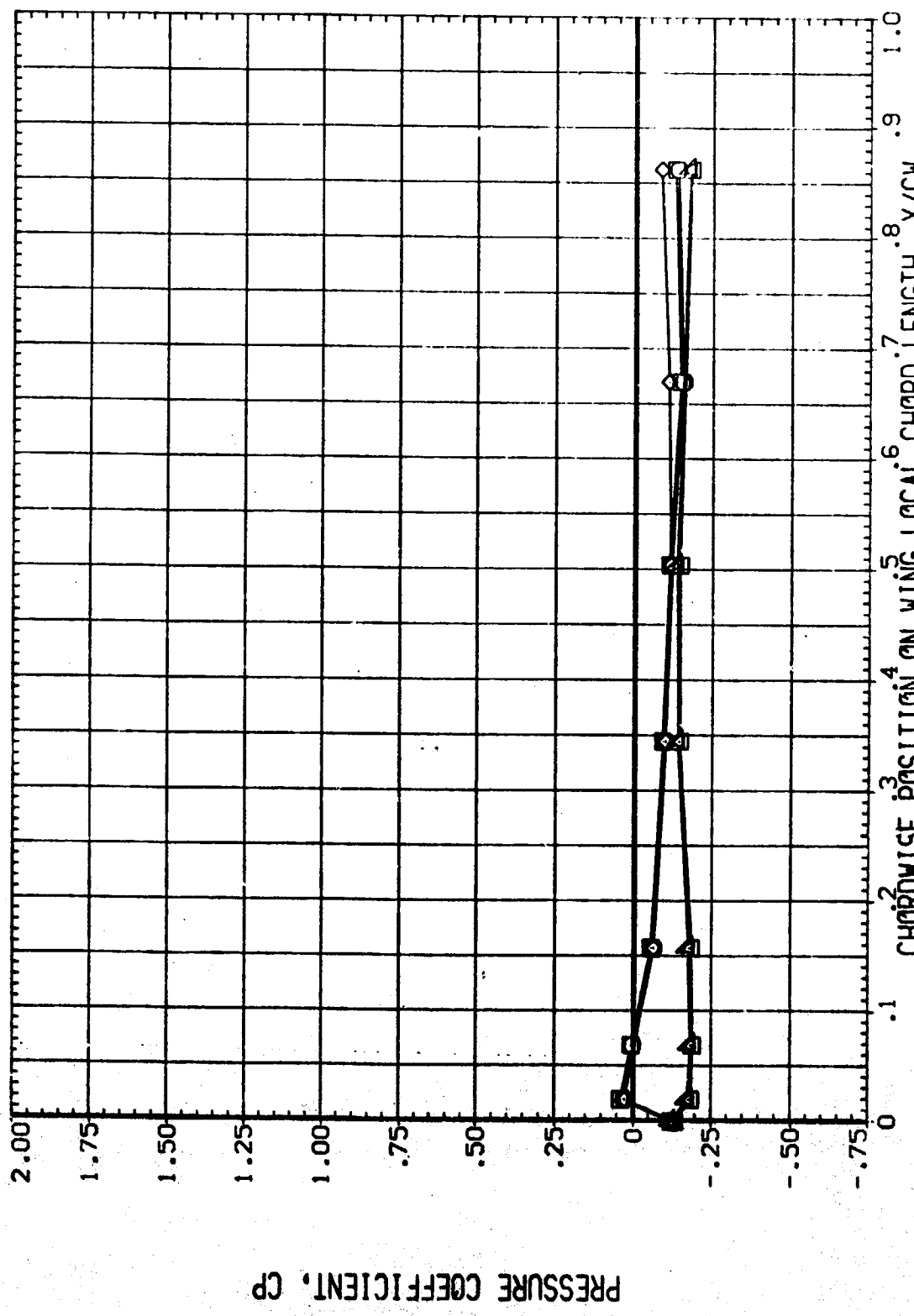


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(1ETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1ETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

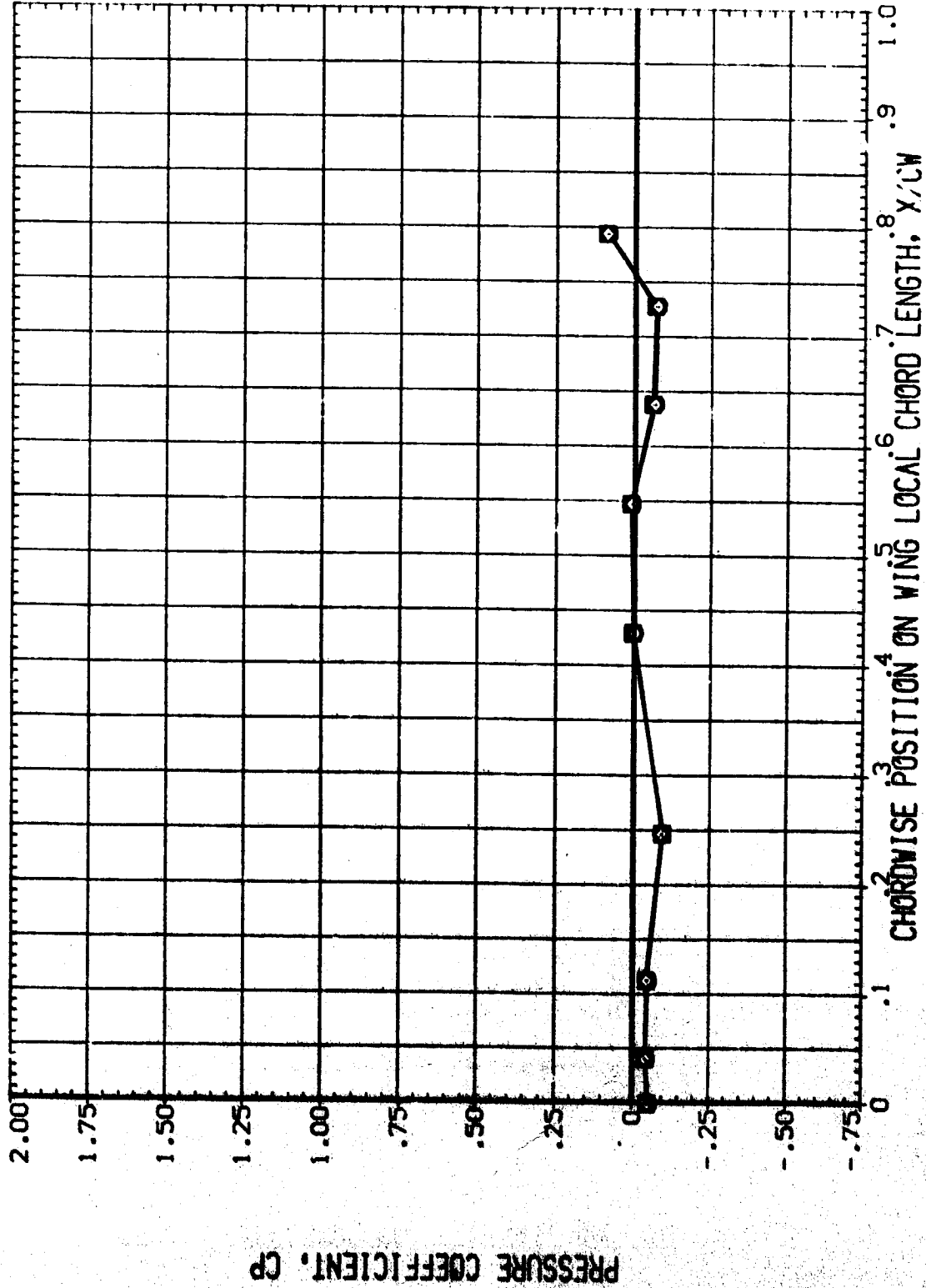


FIG. 86 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA₀ = -4.000 BETA₀ = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

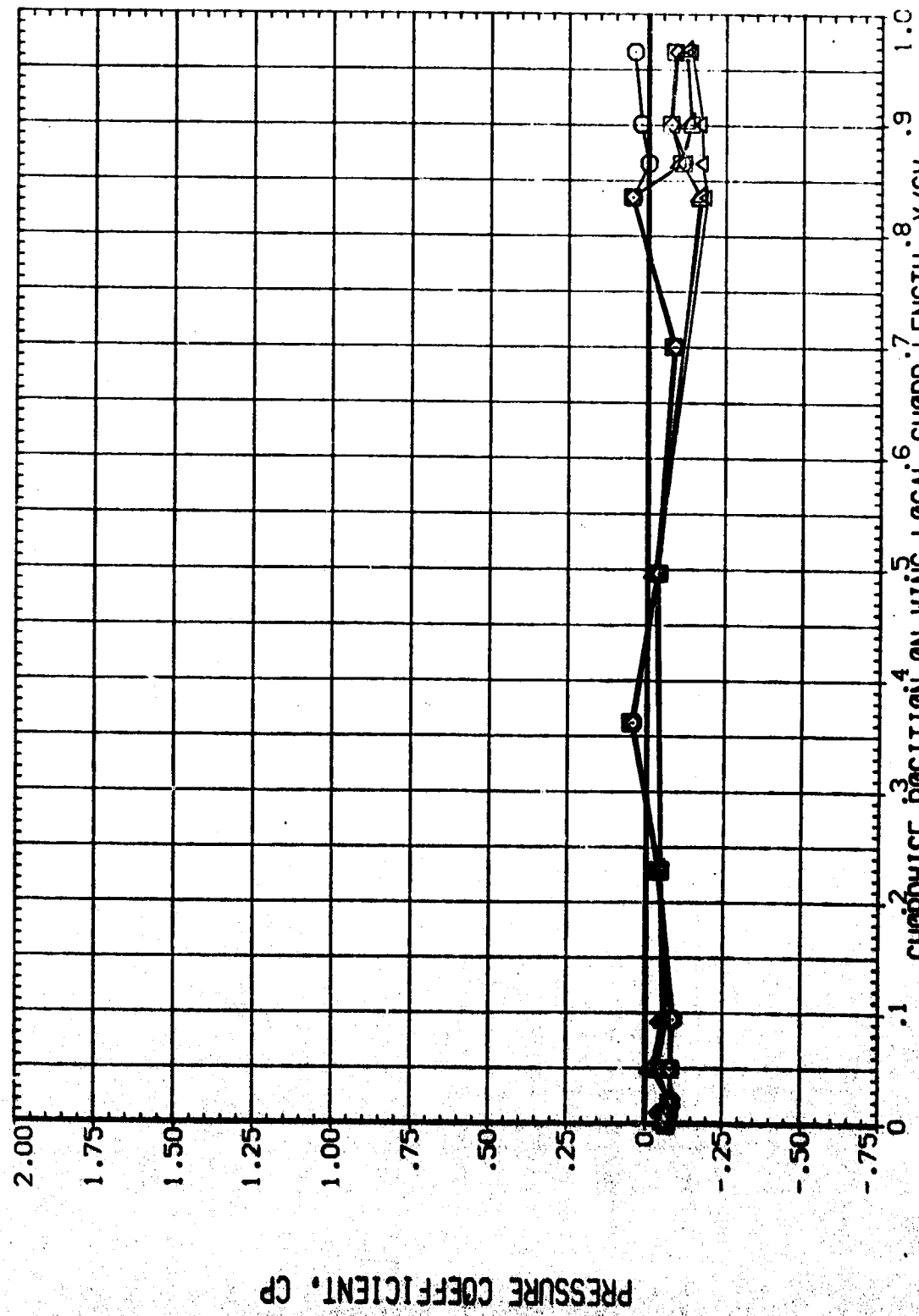


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL
 (IETU40)
 (IETU41)
 (IETU42)
 (IETU43)
 (IETU44)
 (IETU45)

CONFIGURATION DESCRIPTION
 ARC37-019 IAB1 LVAP(LALLA SEALED) LEFT WING TOP
 ARC37-019 IAB1 LVAP(LALLA SEALED) LEFT WING TOP
 ARC37-019 IAB1 LVAP(LALLA SEALED) LEFT WING TOP
 ARC37-019 IAB1 LVAP(LALLA SEALED) LEFT WING BOT.
 ARC37-019 IAB1 LVAP(LALLA SEALED) LEFT WING BOT.

MACH 2.000 2.000 2.000 2.000 2.000
 ELV-1B 8.000 8.000 8.000 8.000 8.000
 RN/FT 2.500 2.500 2.500 2.500 2.500
 ELV-OB .000 .000 -4.000 .000 -4.000

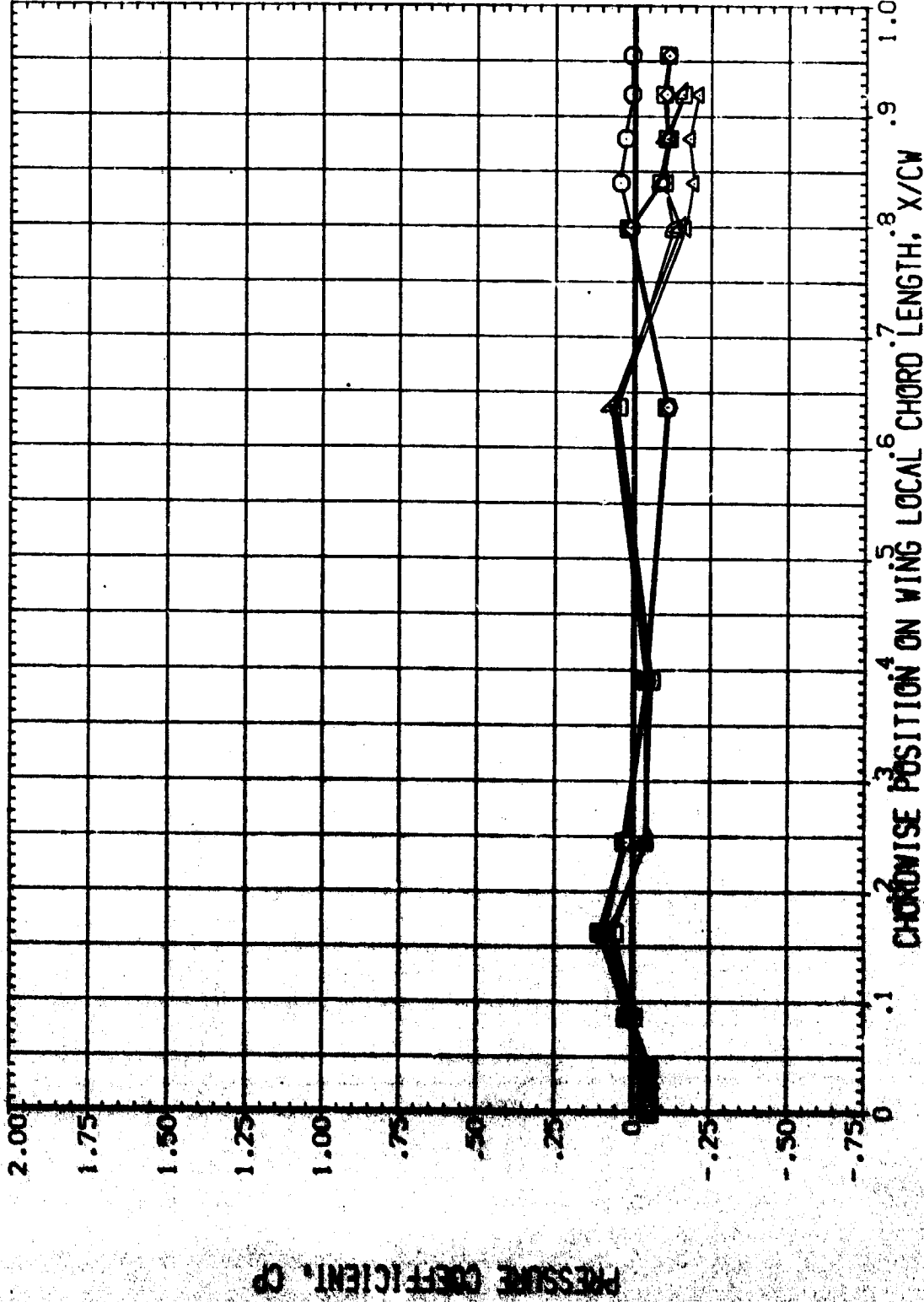


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHAO = -4.000 BETAO = 4.000 Y/BW = .364

DATA SET SYMBO.	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETV40)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETV41)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETV42)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL41)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC37-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

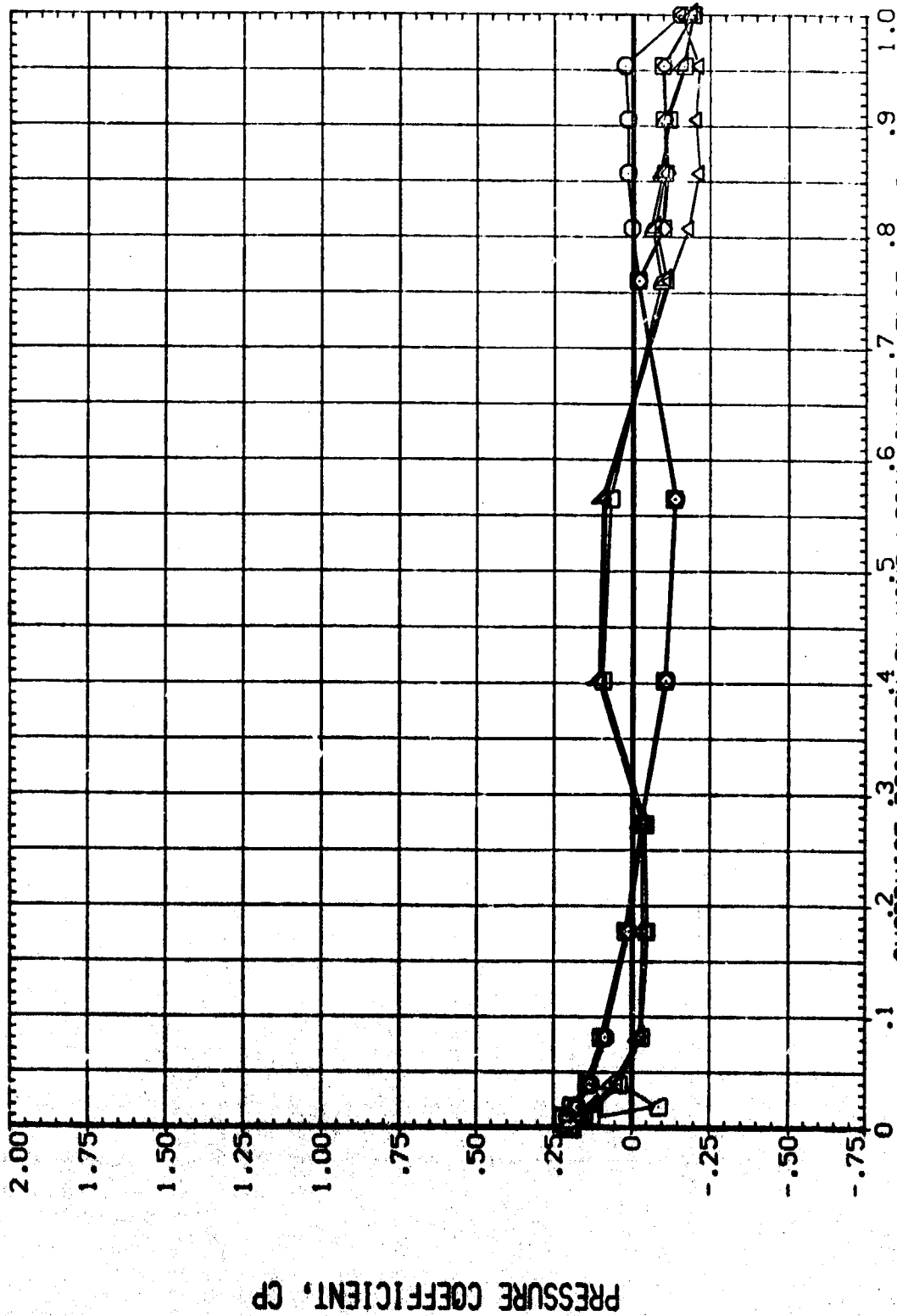


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-06
(IETU40)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 (A81 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

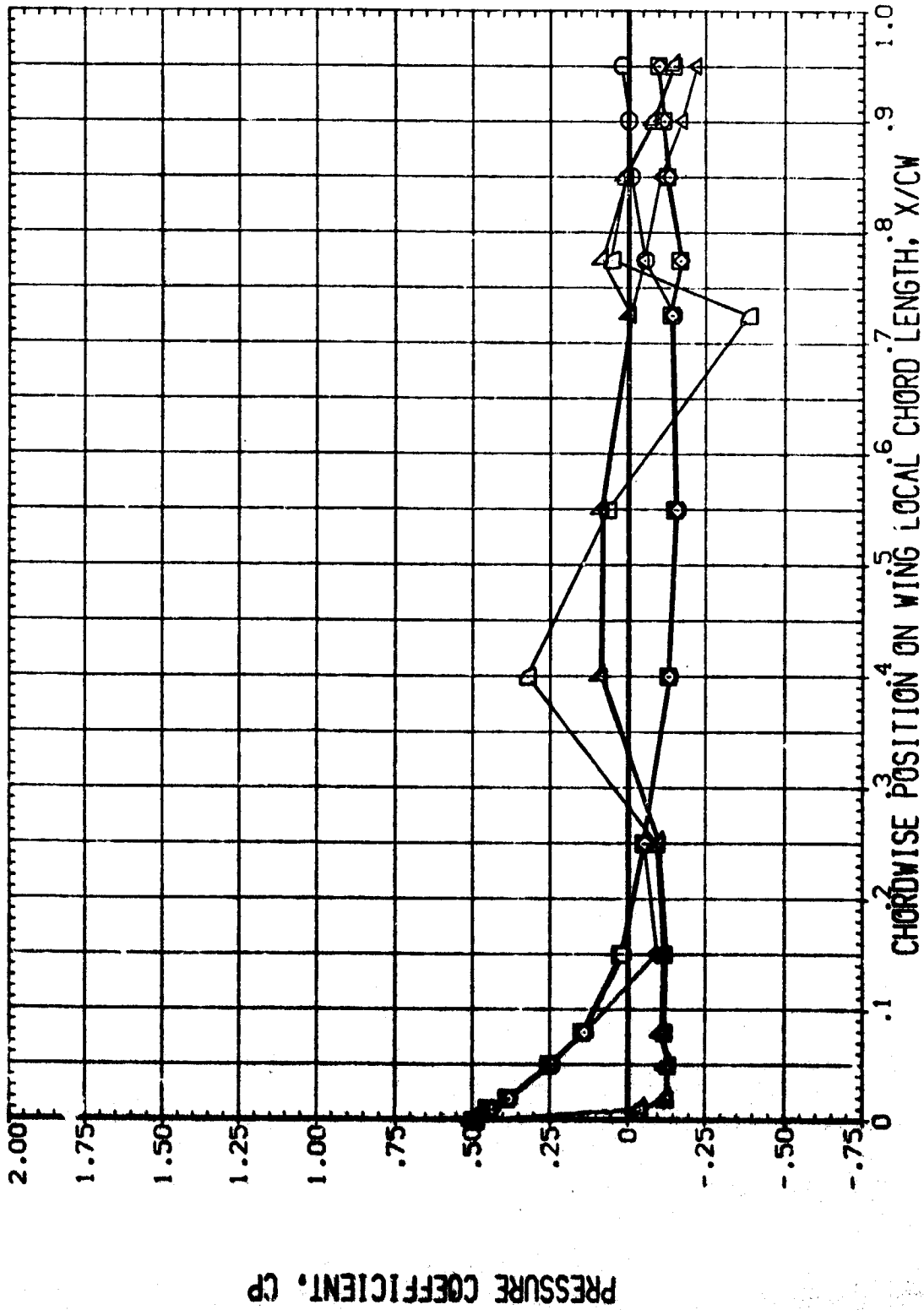
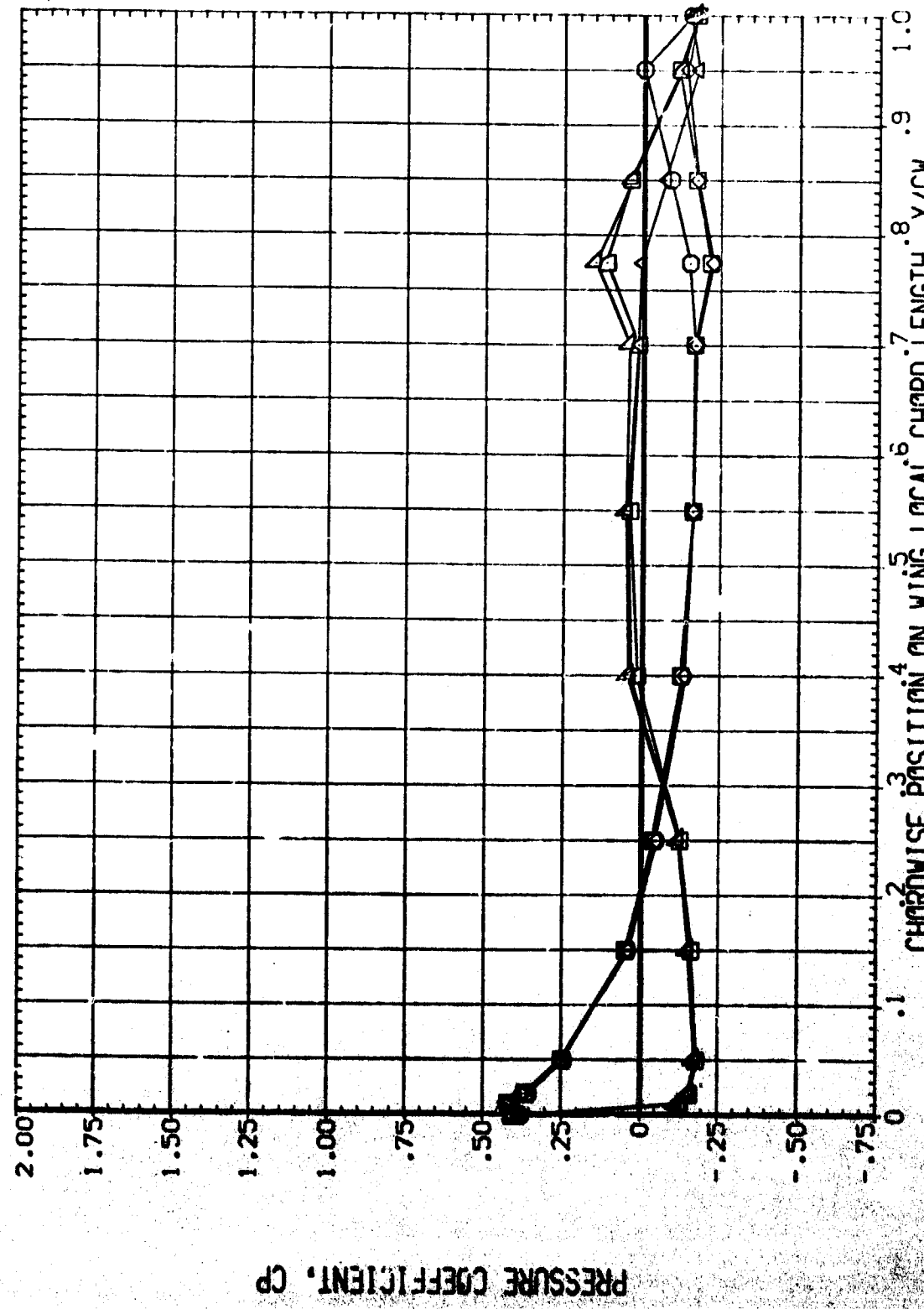


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA = -4.000 BETA = 4.000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 63 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = -4.000 BETA = 4.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000

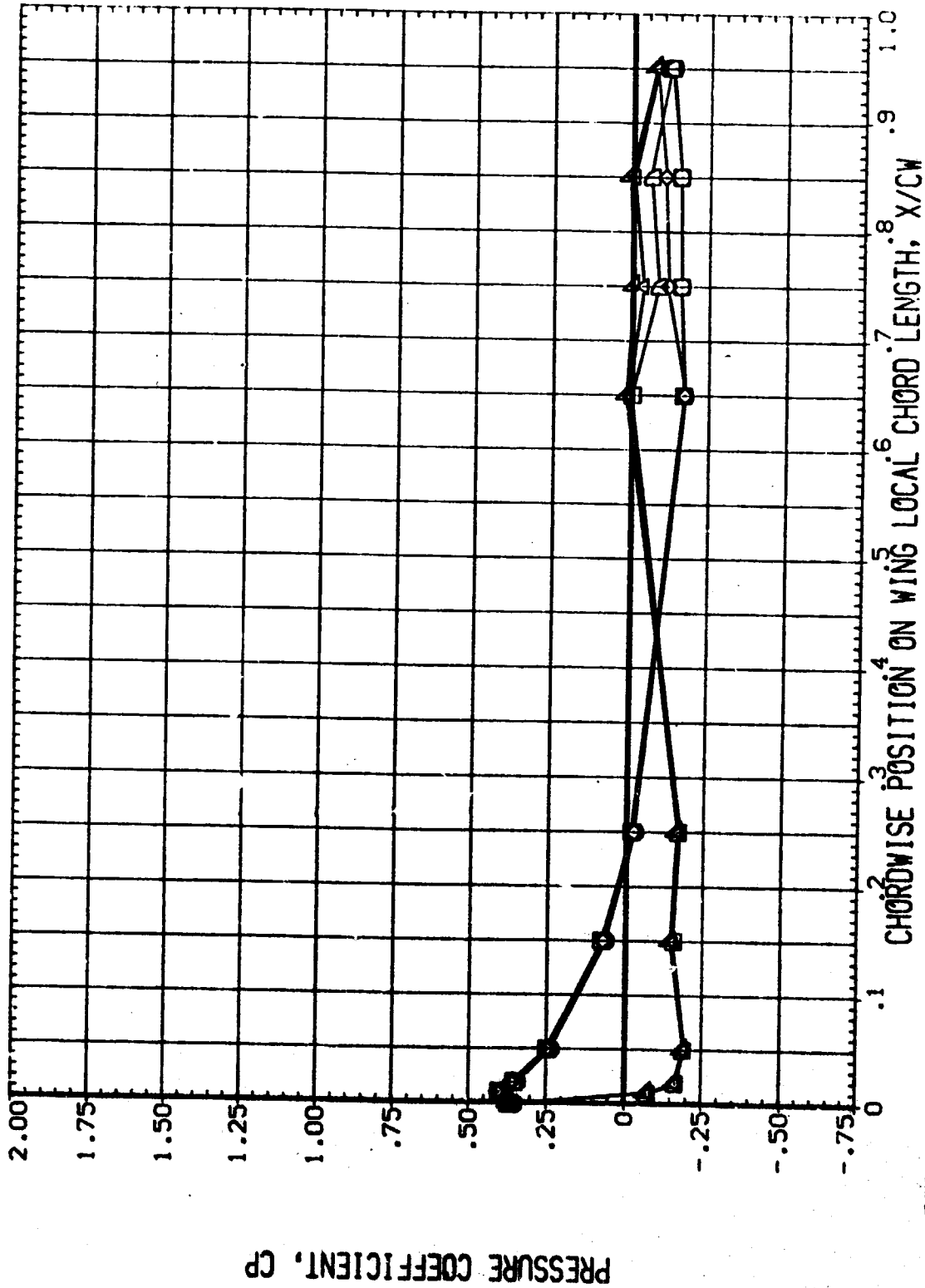


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .780 PAGE 1346

DATA SET SYMBOL	CONF'GURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

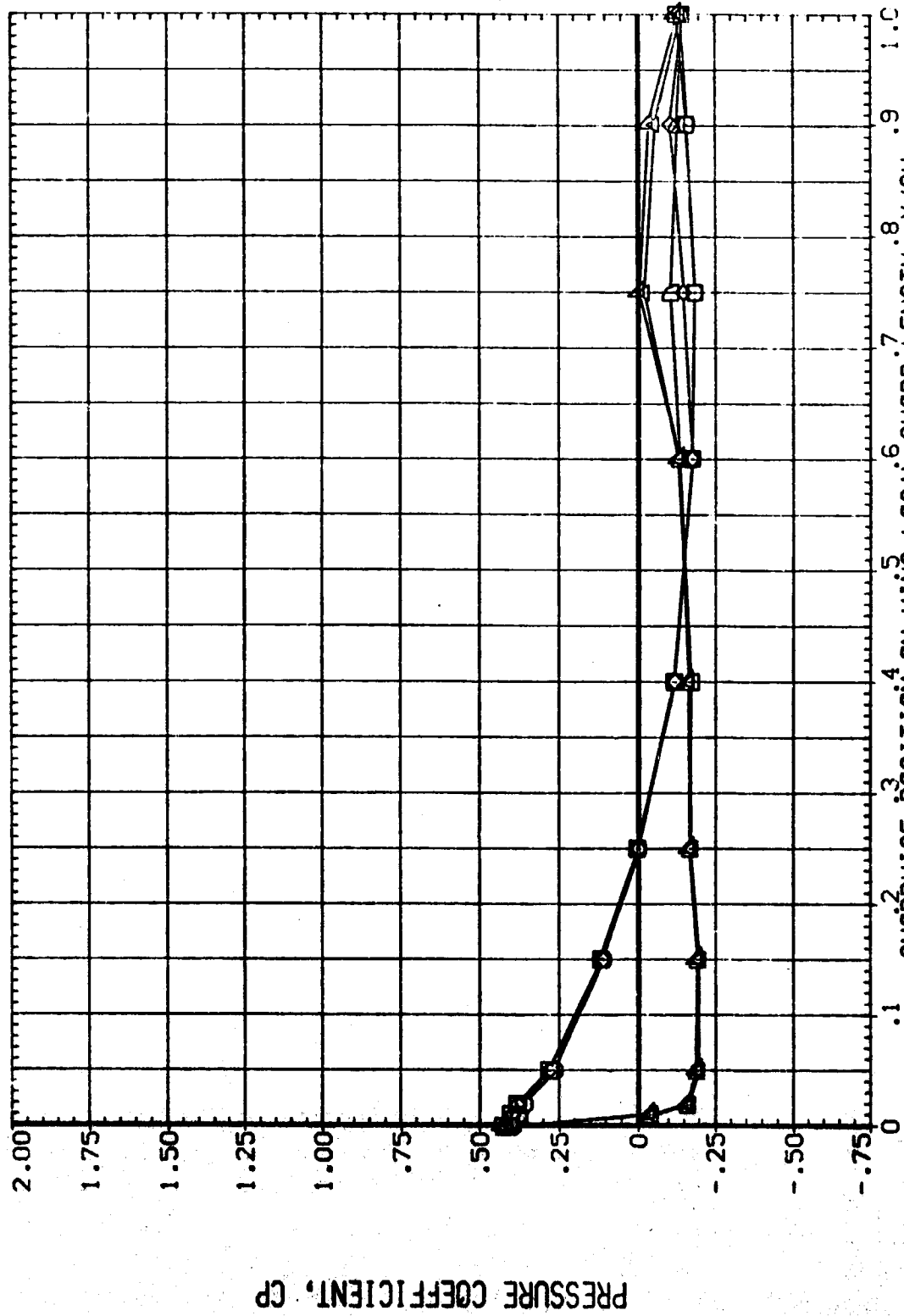


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA0 = -4.000 BETA0 = 4.000 Y/SW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU46)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAS1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

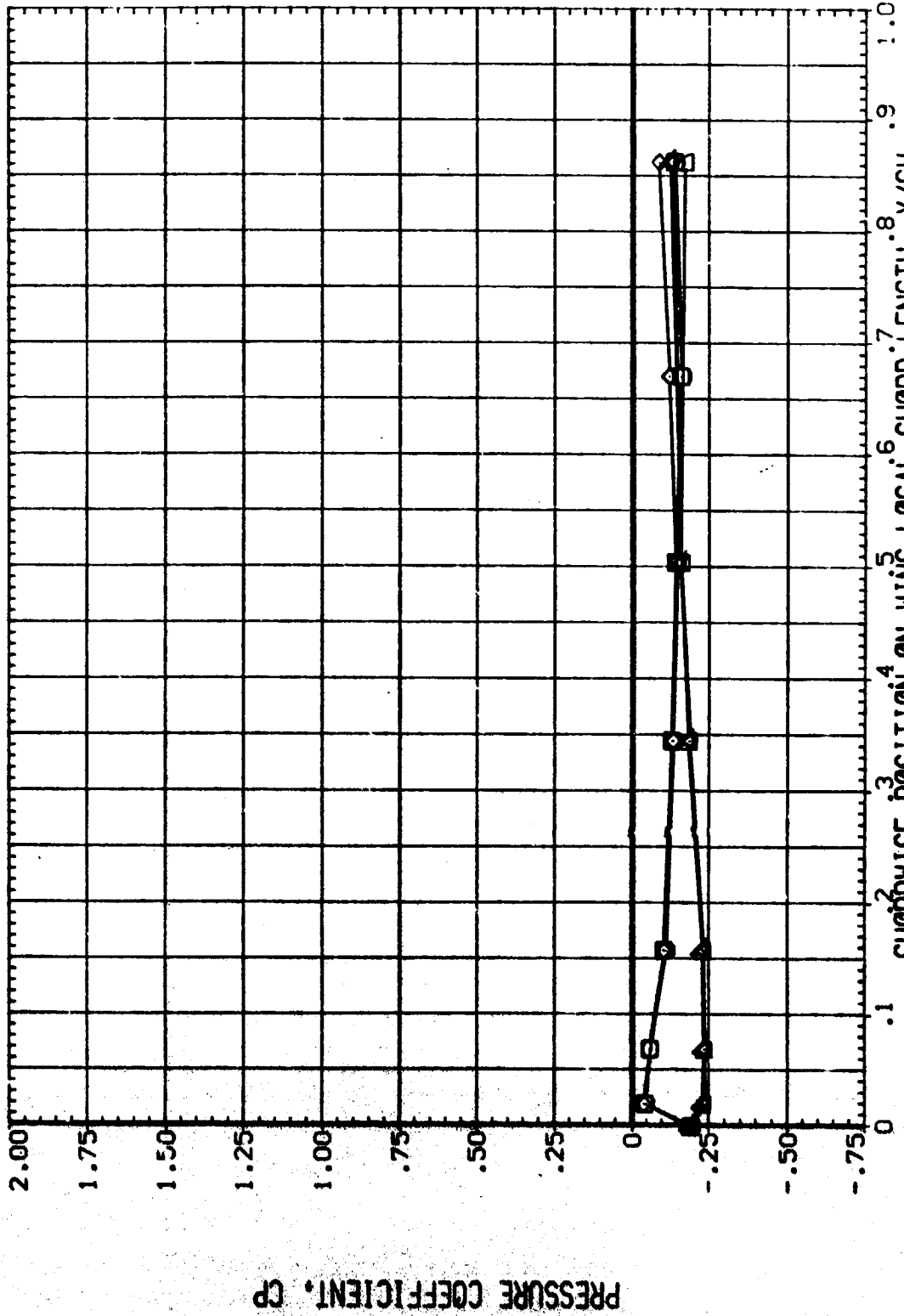


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .972 PAGE 1348

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	LLV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

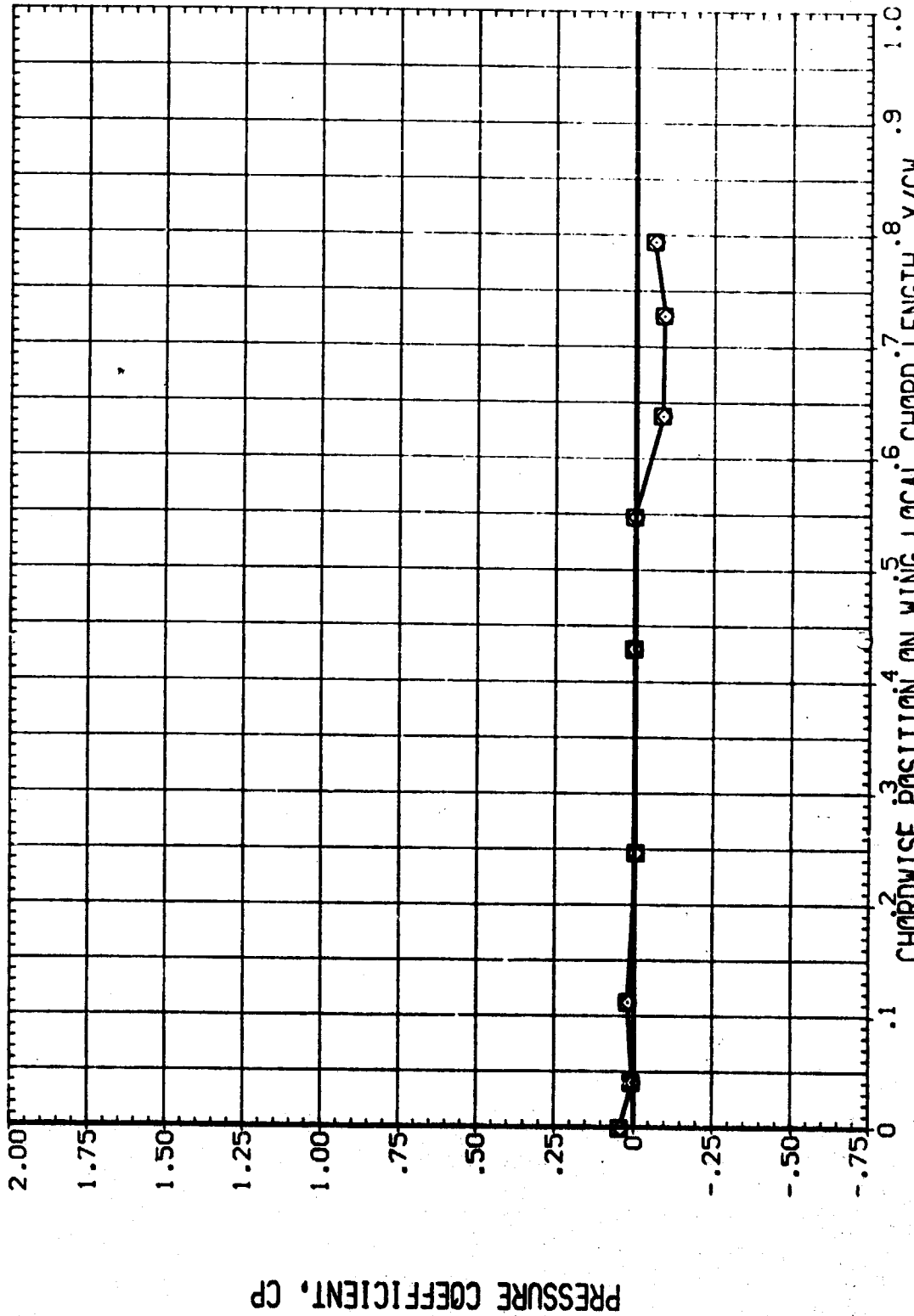


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0. MACH = 2.00

DATA SET SYMBOL
 (IETU40)
 (IETU48)
 (IETU36)
 (IETL40)
 (IETL44)
 (IETL36)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALLM SEALEO)
 ARC97-019 IAB1 LVAP(ALLM SEALEO)
 ARC97-019 IAB1 LVAP(ALLM SEALEO)
 ARC97-019 IAB1 LVAP(ALLM SEALEO)
 ARC97-019 IAB1 LVAP(ALLM SEALEO)

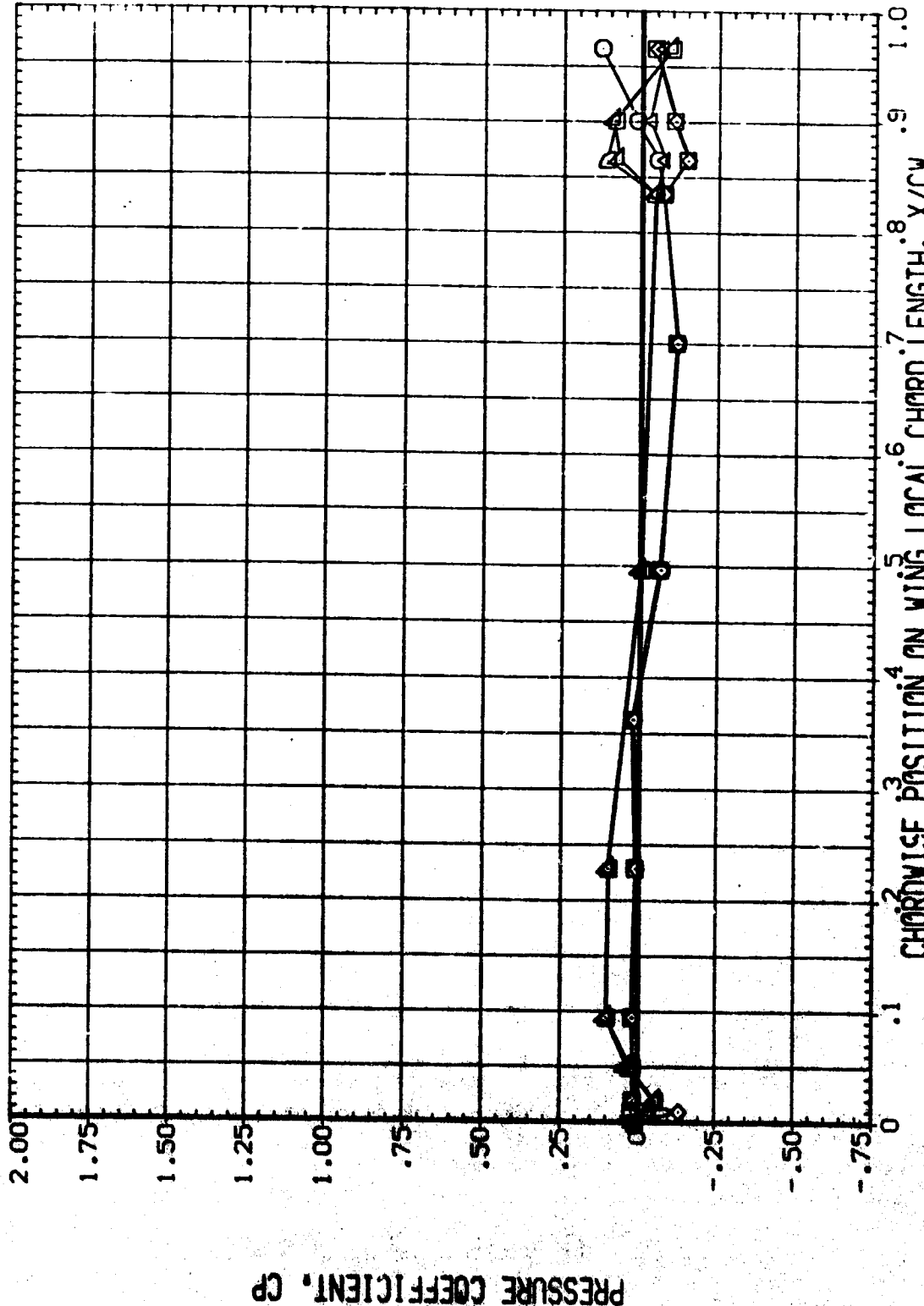
LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 2.000
 2.000
 2.000
 2.000

ELV-18
 .000
 8.000
 .000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500

ELV-08
 .000
 .000
 -4.000
 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = -6.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

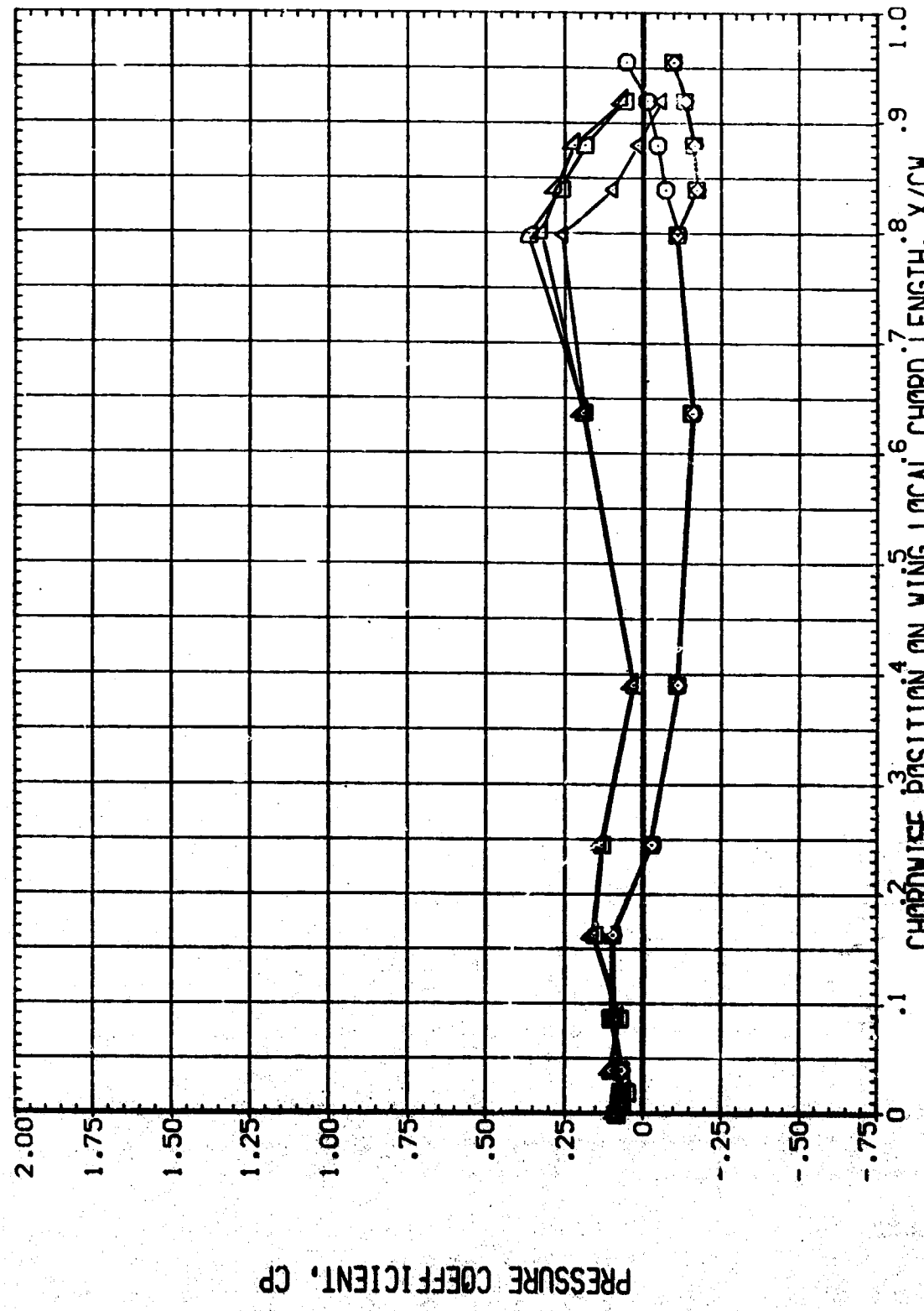


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00
 ALPHA0 = .000 BETA0 = -6.000 Y/BW = .364 PAGE 1351

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL4)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

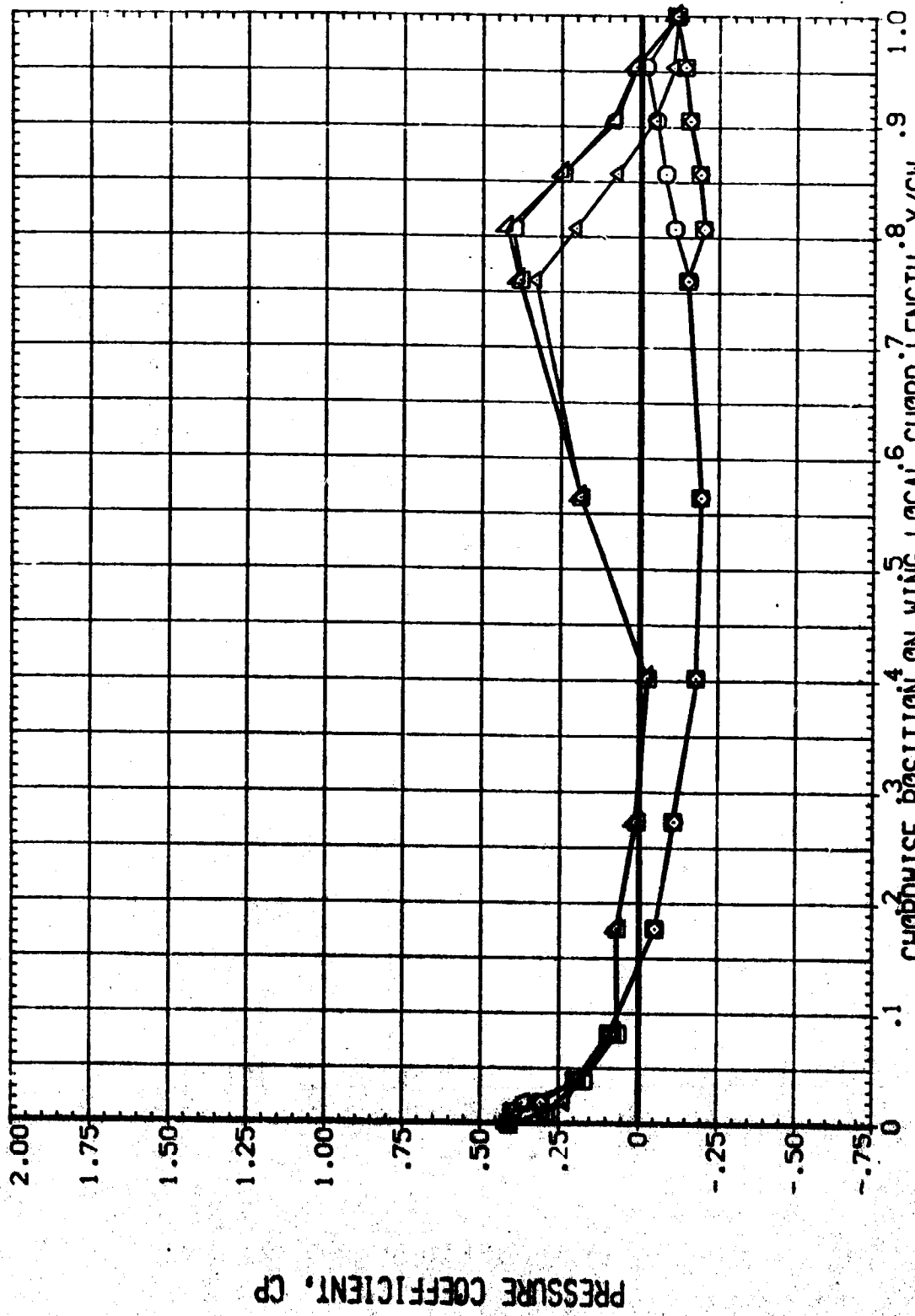


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00
 ALPHA = .000 BETA = -6.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU28)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

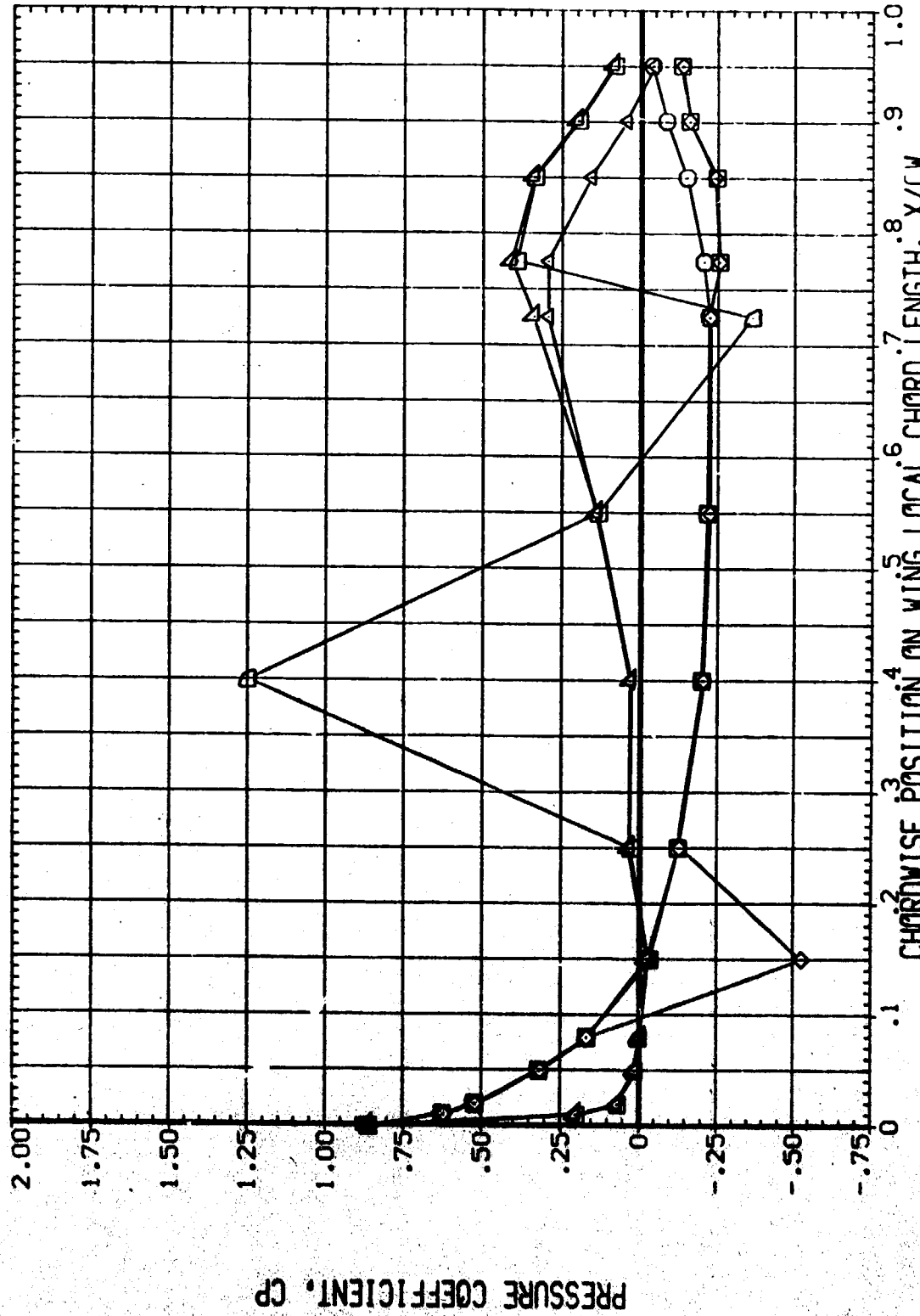


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

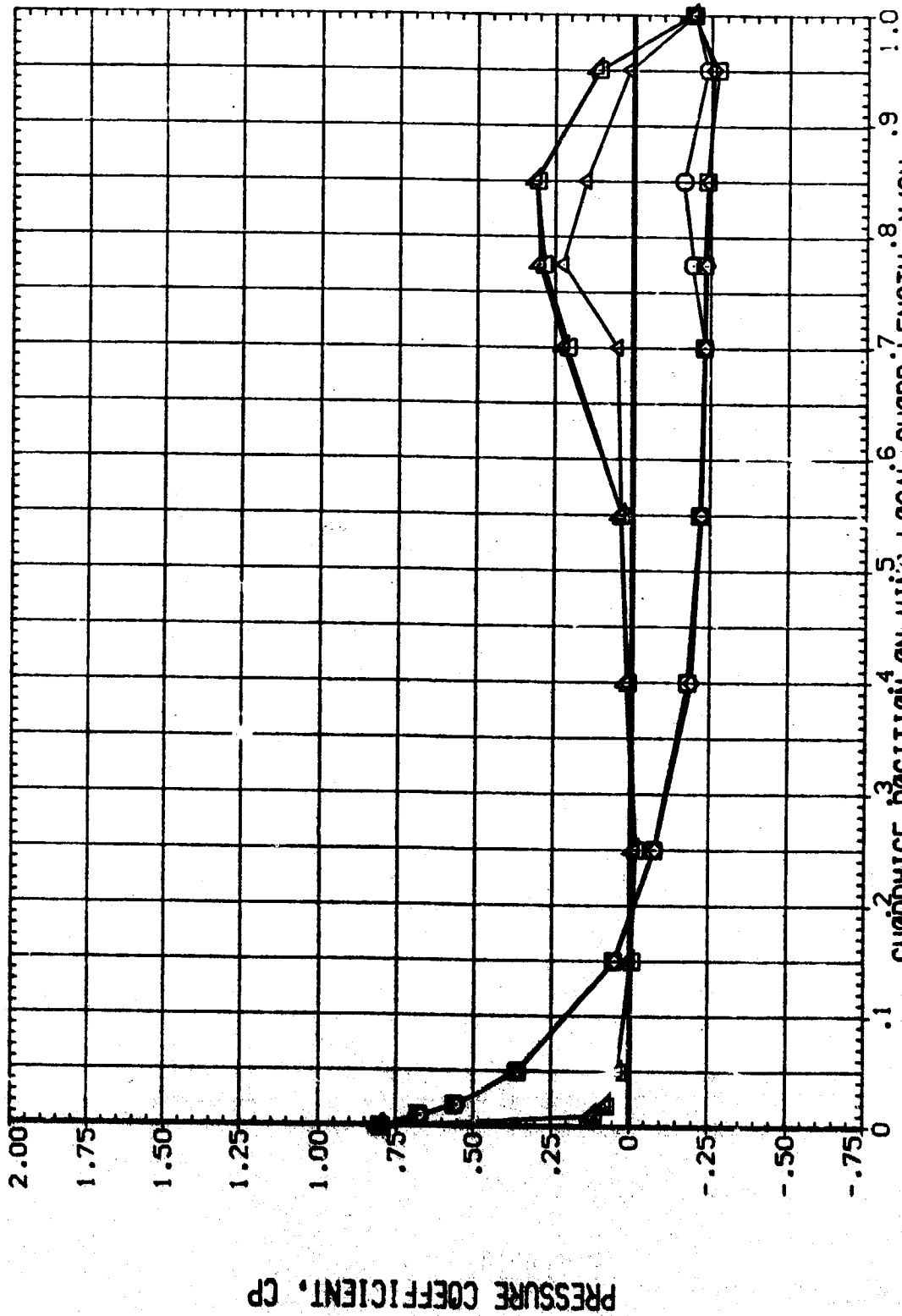


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 ALPHA=0 = .000 BETA0 = -6.000 Y/BW = .673
 PAGE 1354

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(:ETU40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(:ETU44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(:ETU26)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(:ETL40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(:ETL44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	.500	.000
(:ETL36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	500	-4.000

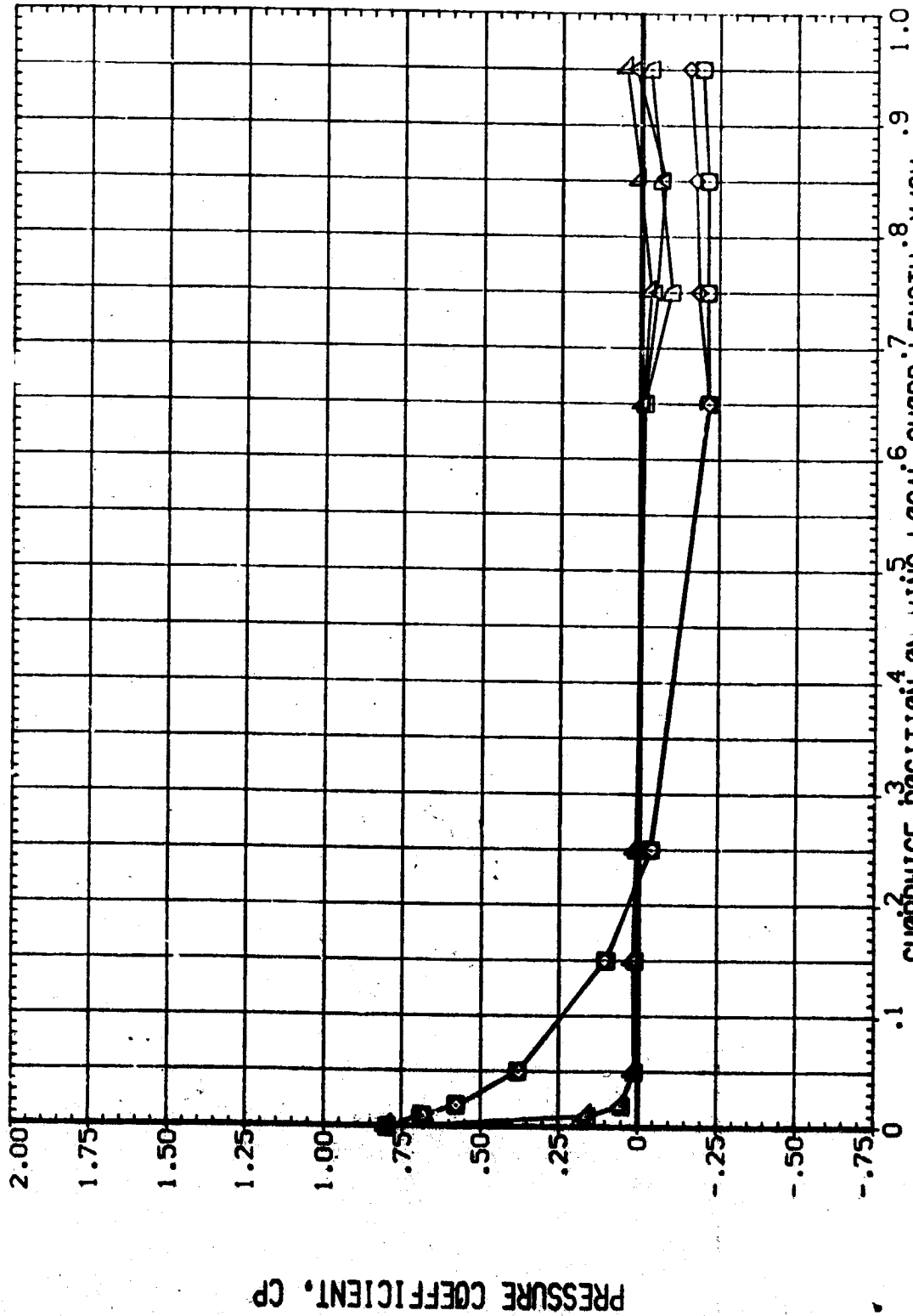


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA = .000 BETA = -6.000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU48)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL48)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

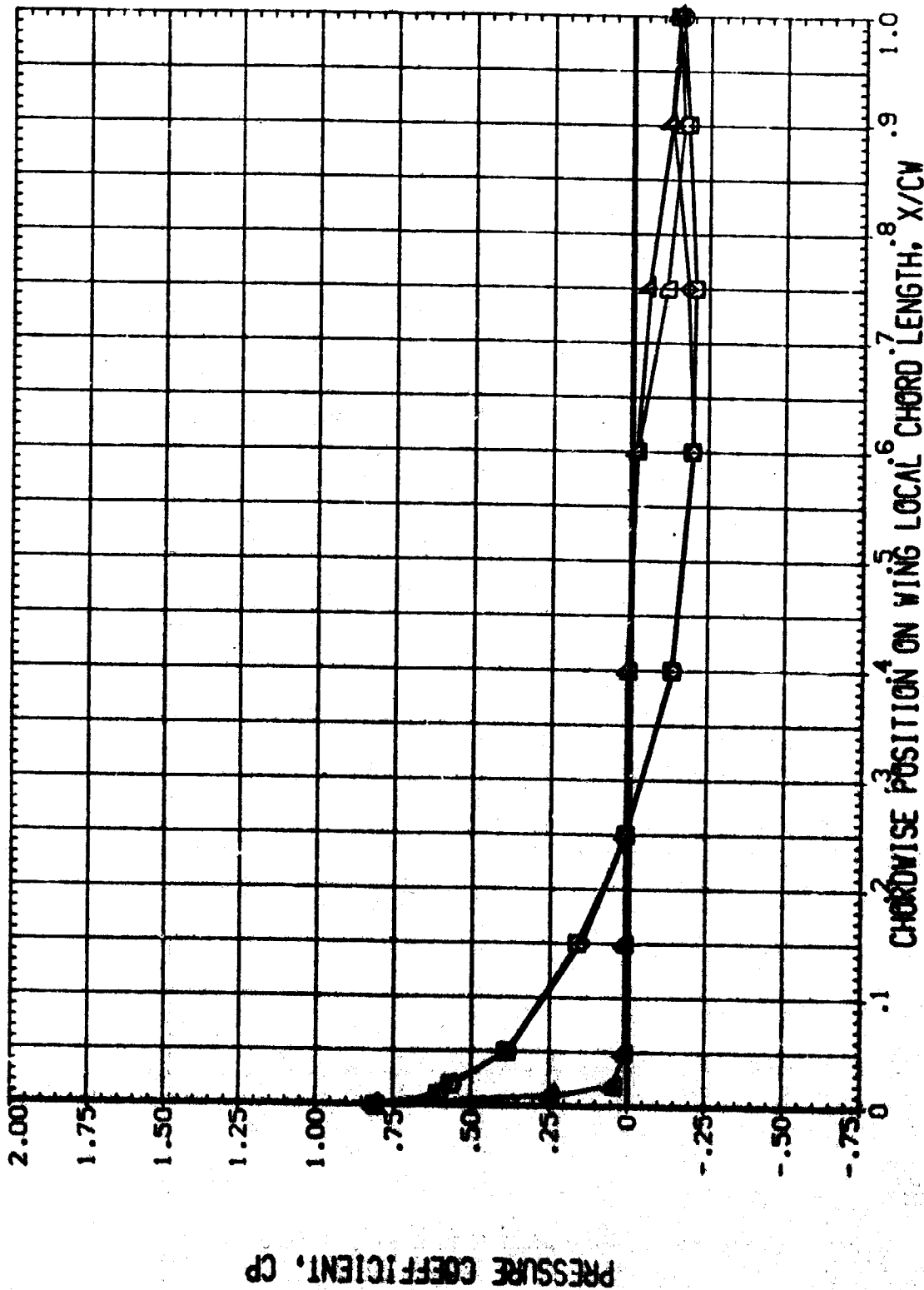


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA = .000 BETA = -6.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETUM0)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETUM1)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETUM2)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL41)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC57-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

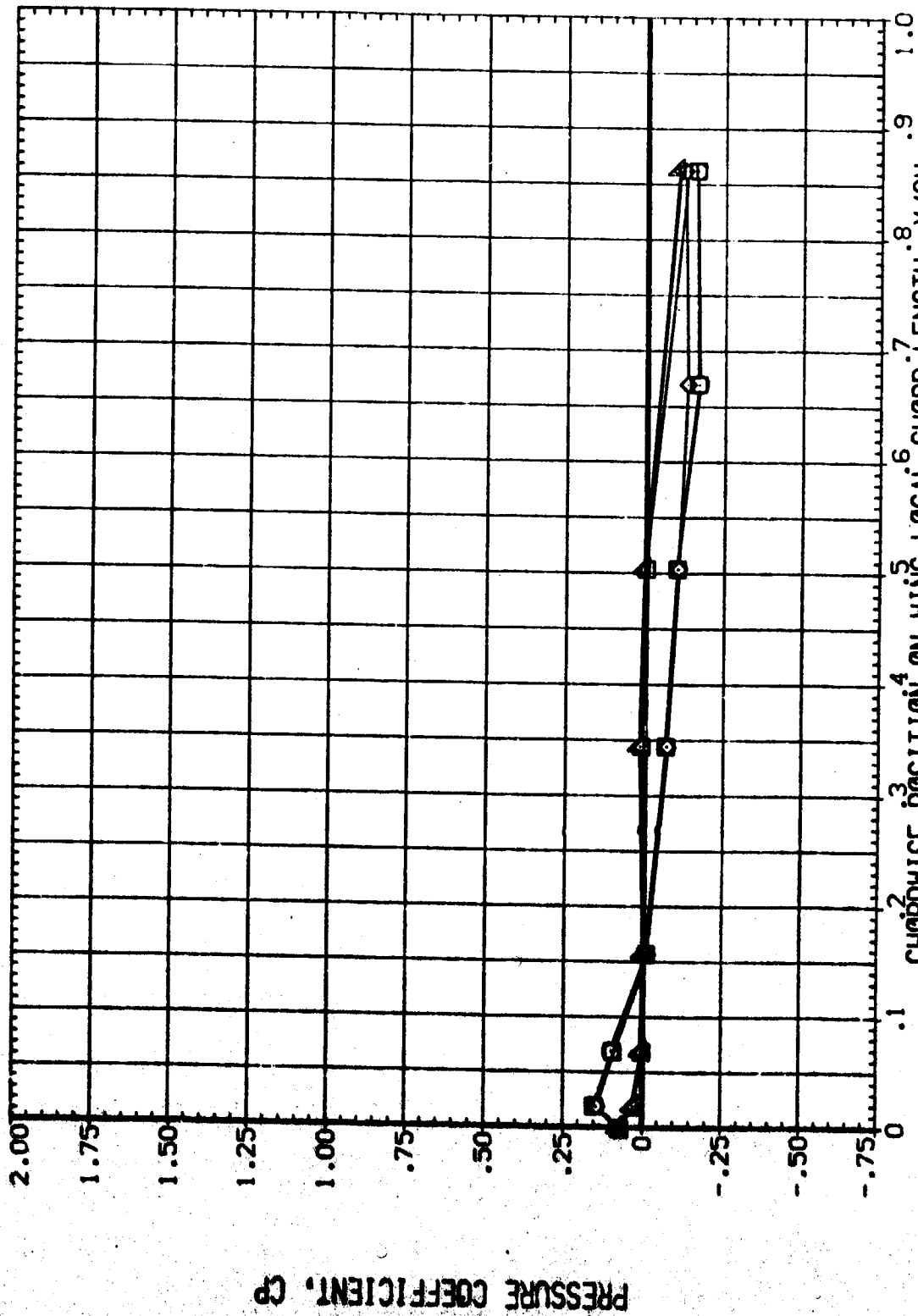


FIG. 66 WING CHORDWISE PRESS. DIST. FIVE ON EFFECT. SPORBK = 0 MACH = 2.00

DATA SET SYMBOL
 (IETU40)
 (IETU46)
 (IETU48)
 (IETL40)
 (IETL44)
 (IETL46)

CONFIGURATION DESCRIPTION
 ARC37-019 IAB1 LVAP/ALLM SEALED) LEFT WING TOP
 ARC37-019 IAB1 LVAP/ALLM SEALED) LEFT WING TOP
 ARC37-019 IAB1 LVAP/ALLM SEALED) LEFT WING TOP
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE

LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP

MACH
 2.000
 2.000
 2.000
 2.000
 2.000

ELV-18
 .000
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-08
 .000
 .000
 -4.000
 .000
 -4.000

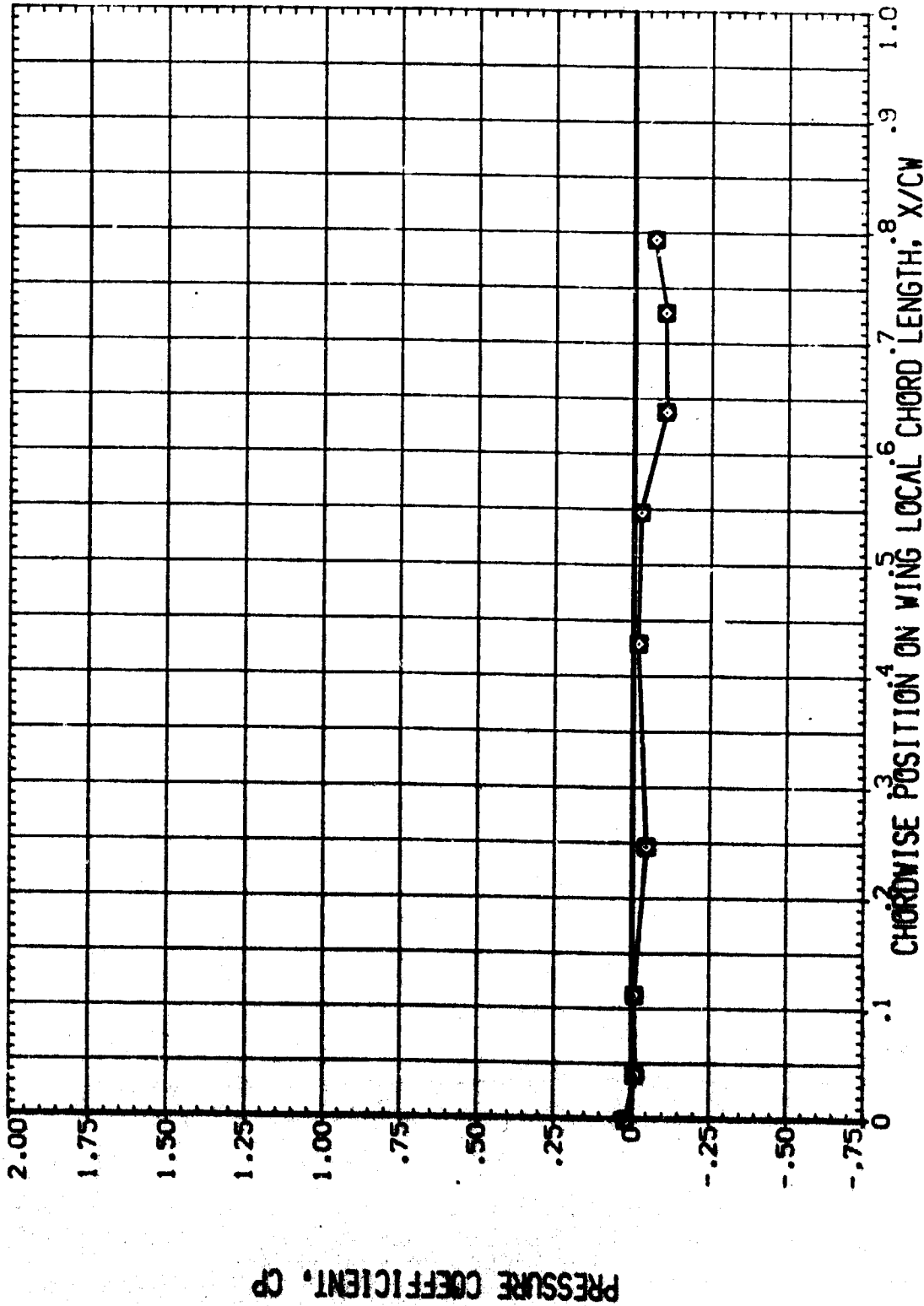


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 ALPHA= .000 BETA= -4.000 Y/BW = .235

DATA KEY SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1)TU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1)ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1)ETU26)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1)ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1)ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1)ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

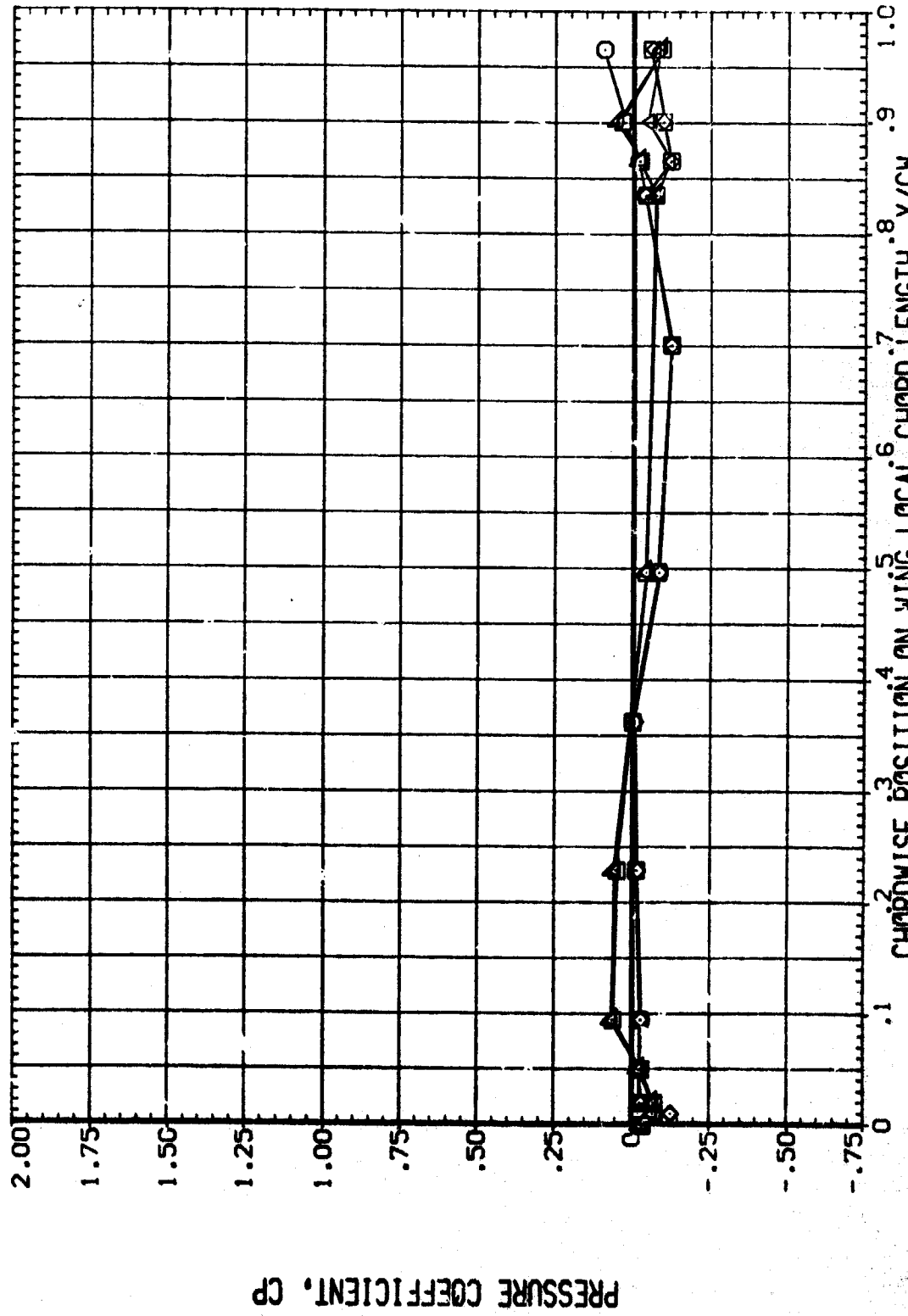


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = .000 BETA = -4.000 Y/BW = .299 PAGE 1359

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELEV-IB RN/FT ELV-OB

(IETU40)	□	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	.000	2.500	.000
(IETU44)	○	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(IETU36)	△	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000
(IETL40)	◇	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	.000	2.500	.000
(IETL44)	×	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(IETL36)	◇	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000

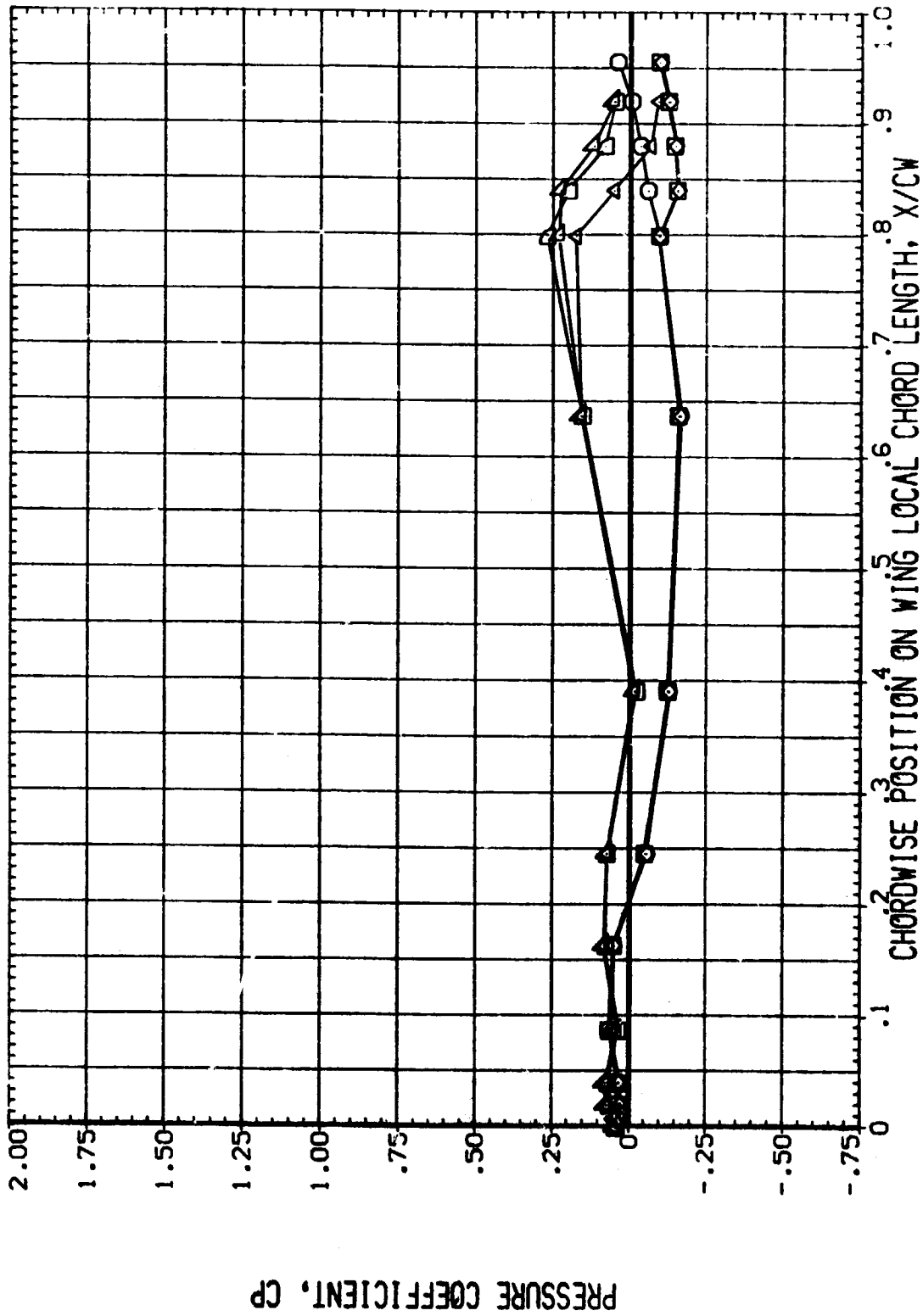


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALF AQ= .000 BETAQ = -4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000

LEFT WING TOP
LEFT WING TOP
LEFT WING TOP
LEFT WING BOT.
LEFT WING BOT.
LEFT WING BOT.

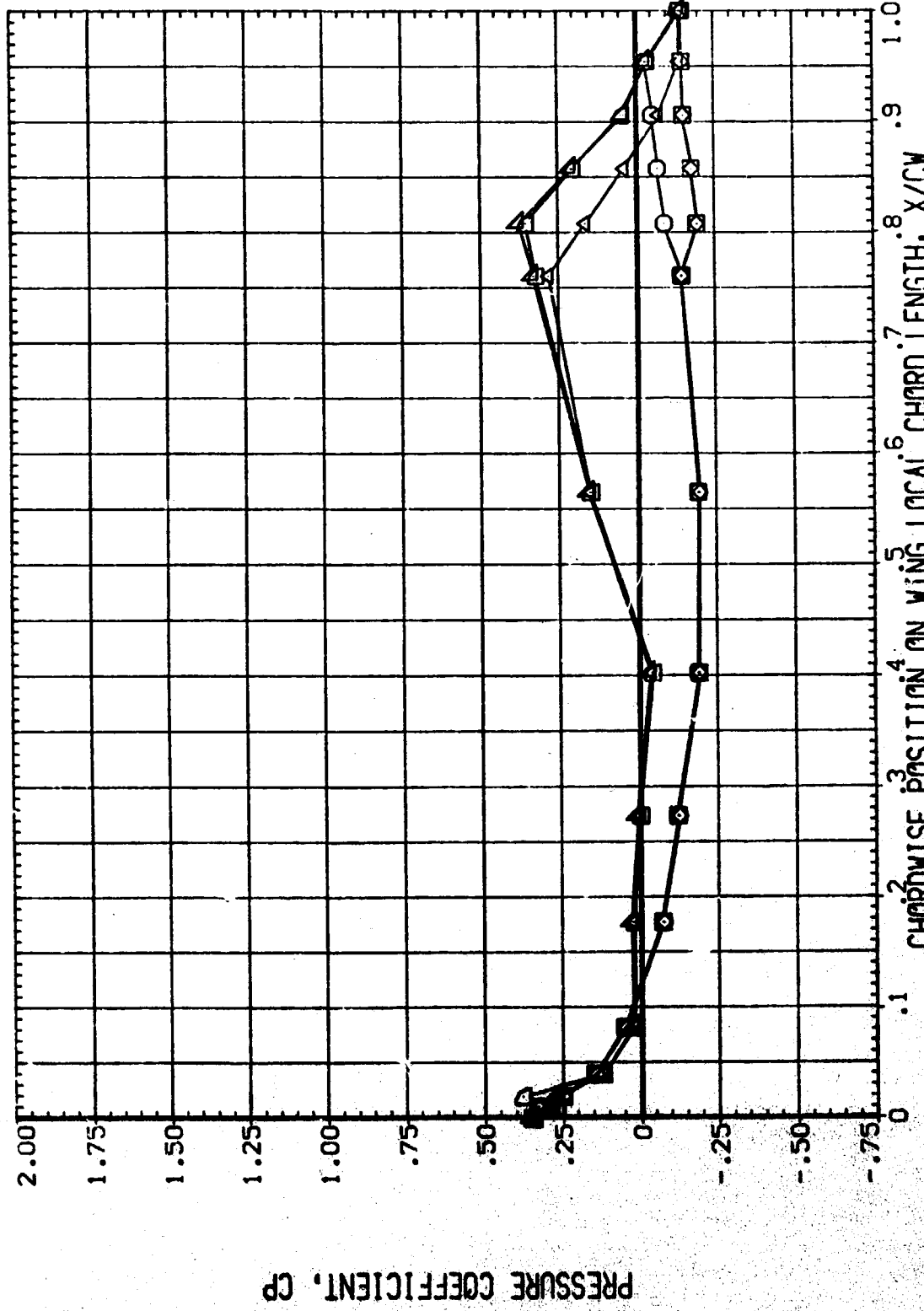


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0, MACH = 2.00
ALPHA = .000 BETA = -4.000 Y/BW = .427
CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-CB
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
ARC57-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP 2.000 8.000 2.500 .000
ARC57-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP 2.000 8.000 2.500 .000
ARC57-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT. 2.000 8.000 2.500 -4.000
ARC57-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT. 2.000 8.000 2.500 -4.000

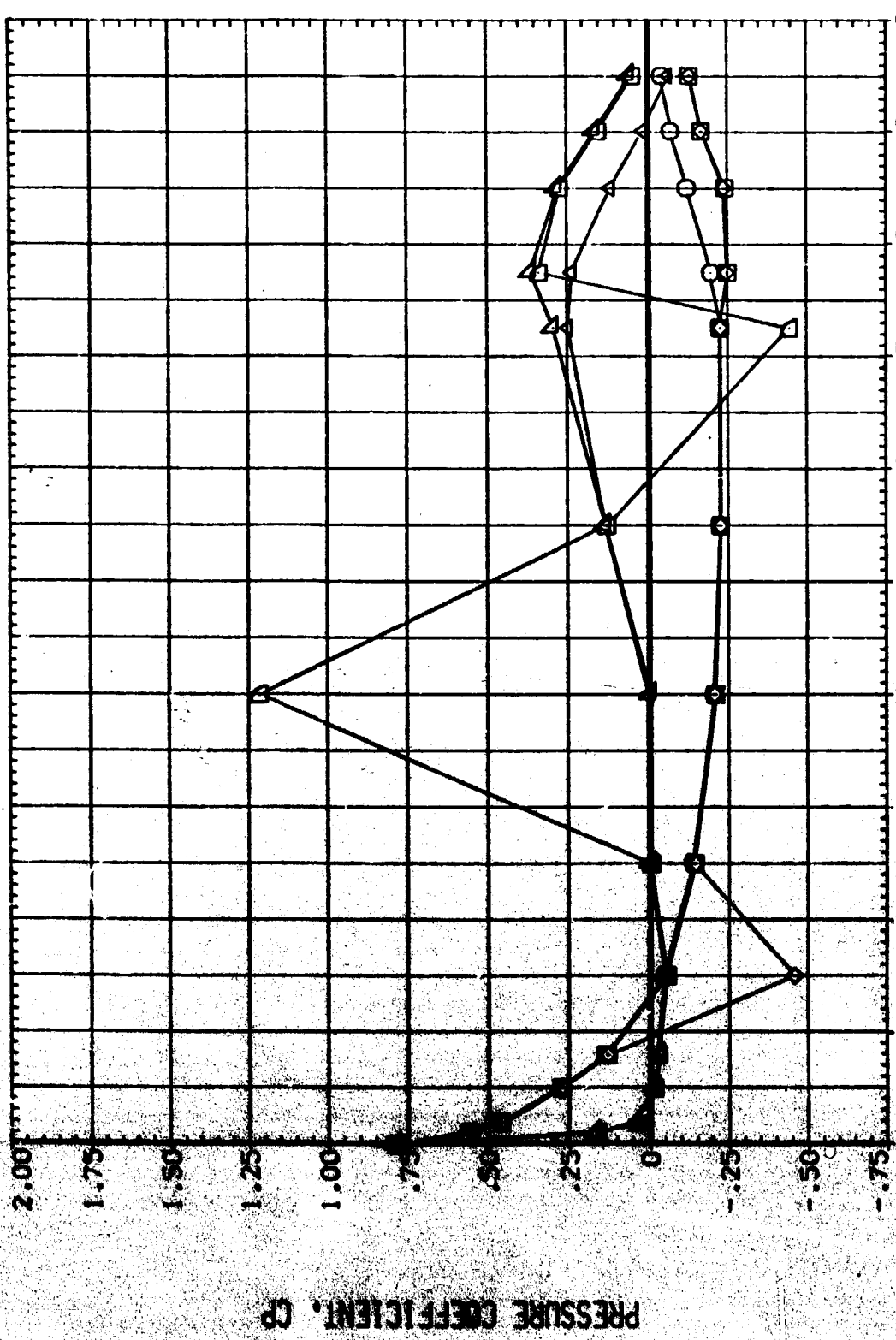


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

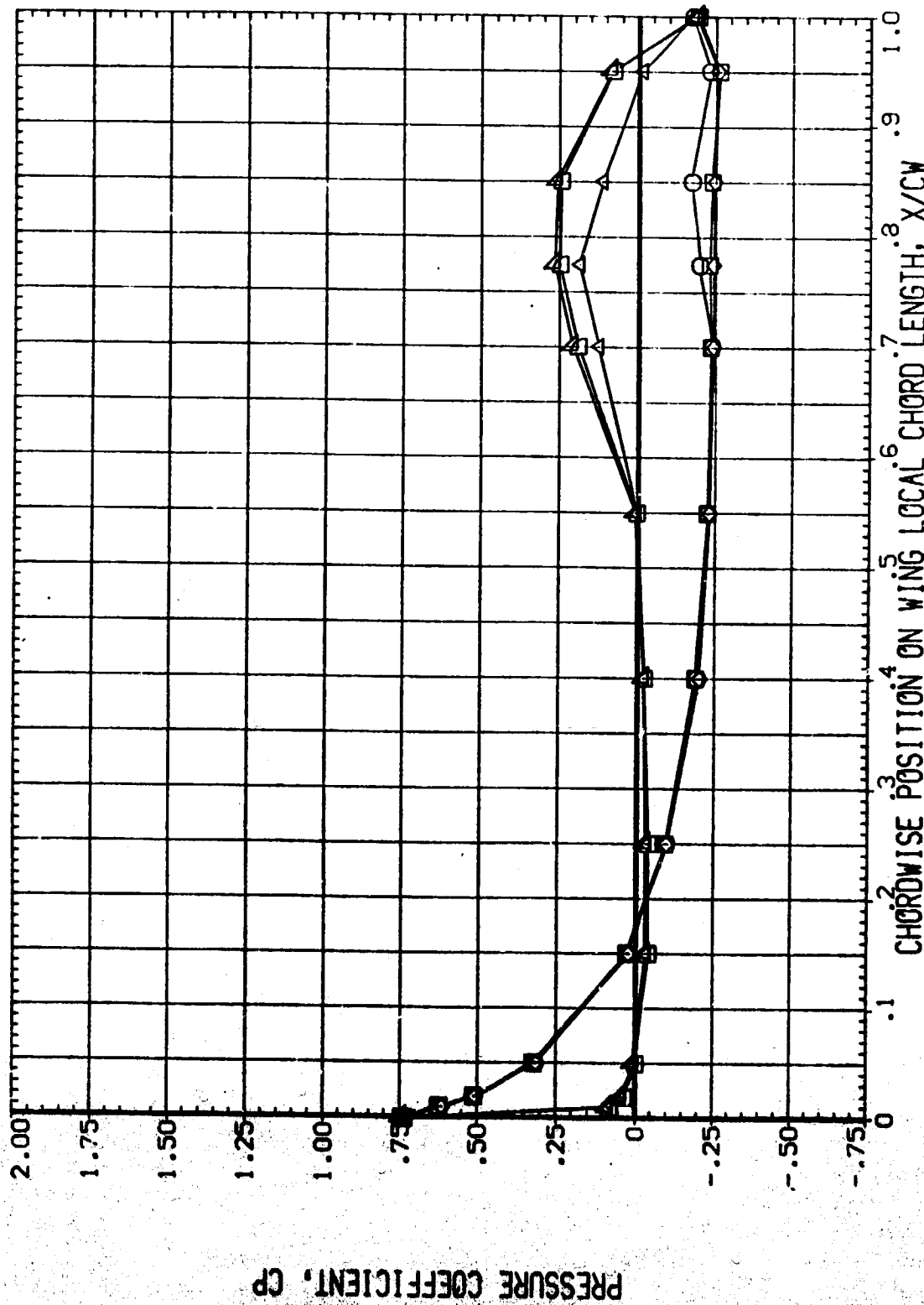


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B

(IETUMD)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	.000
(IETUMA)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	.000
(IETUMB)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	-4.000
(IETUMC)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	.000
(IETUMD)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	.000
(IETULE)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	2.000	8.000	2.500	-4.000

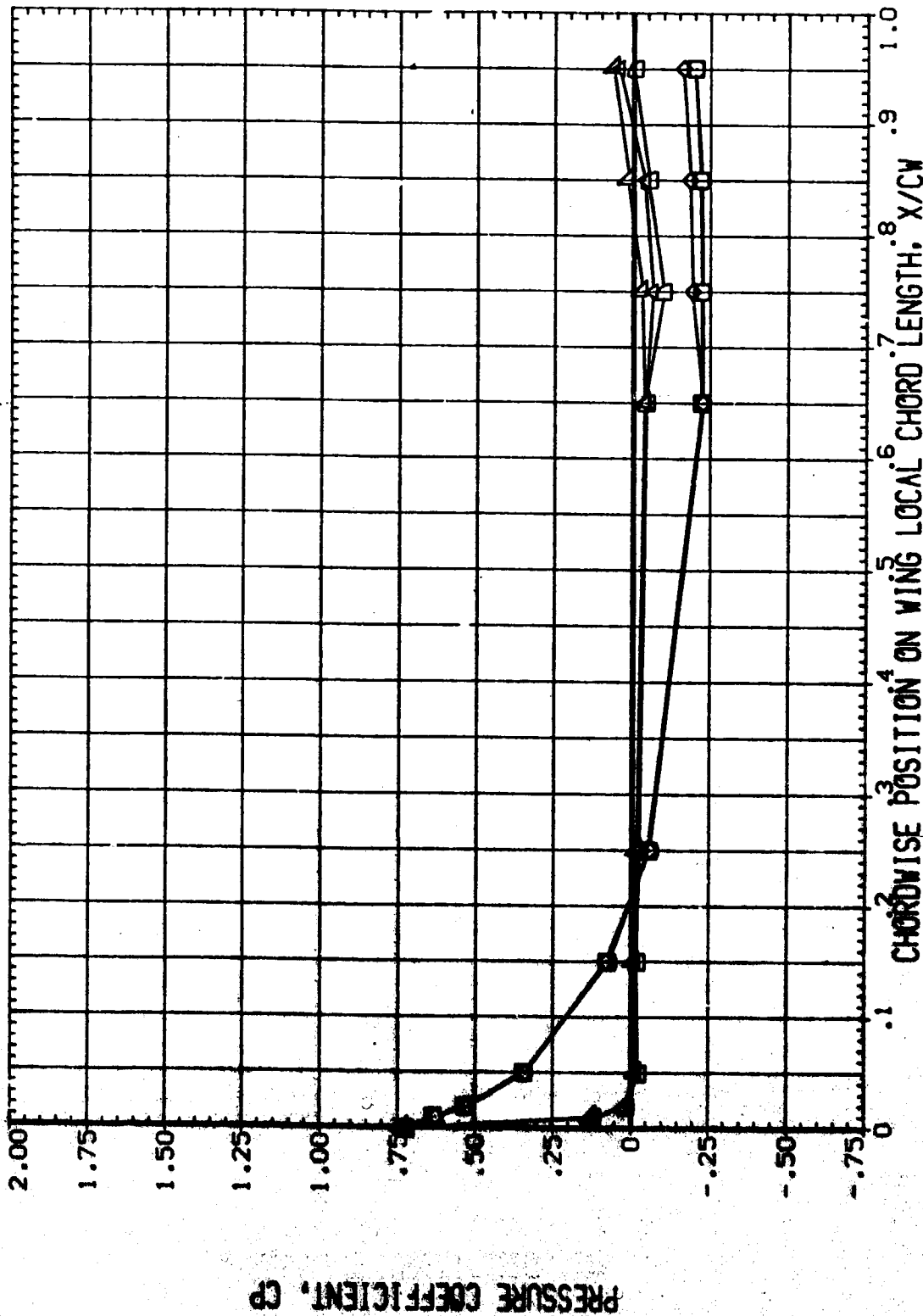


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 2.00
 ALPHA = .000 BETA = -4.000 Y/BW = .780 PAGE 1364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETUM0)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETUM4)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

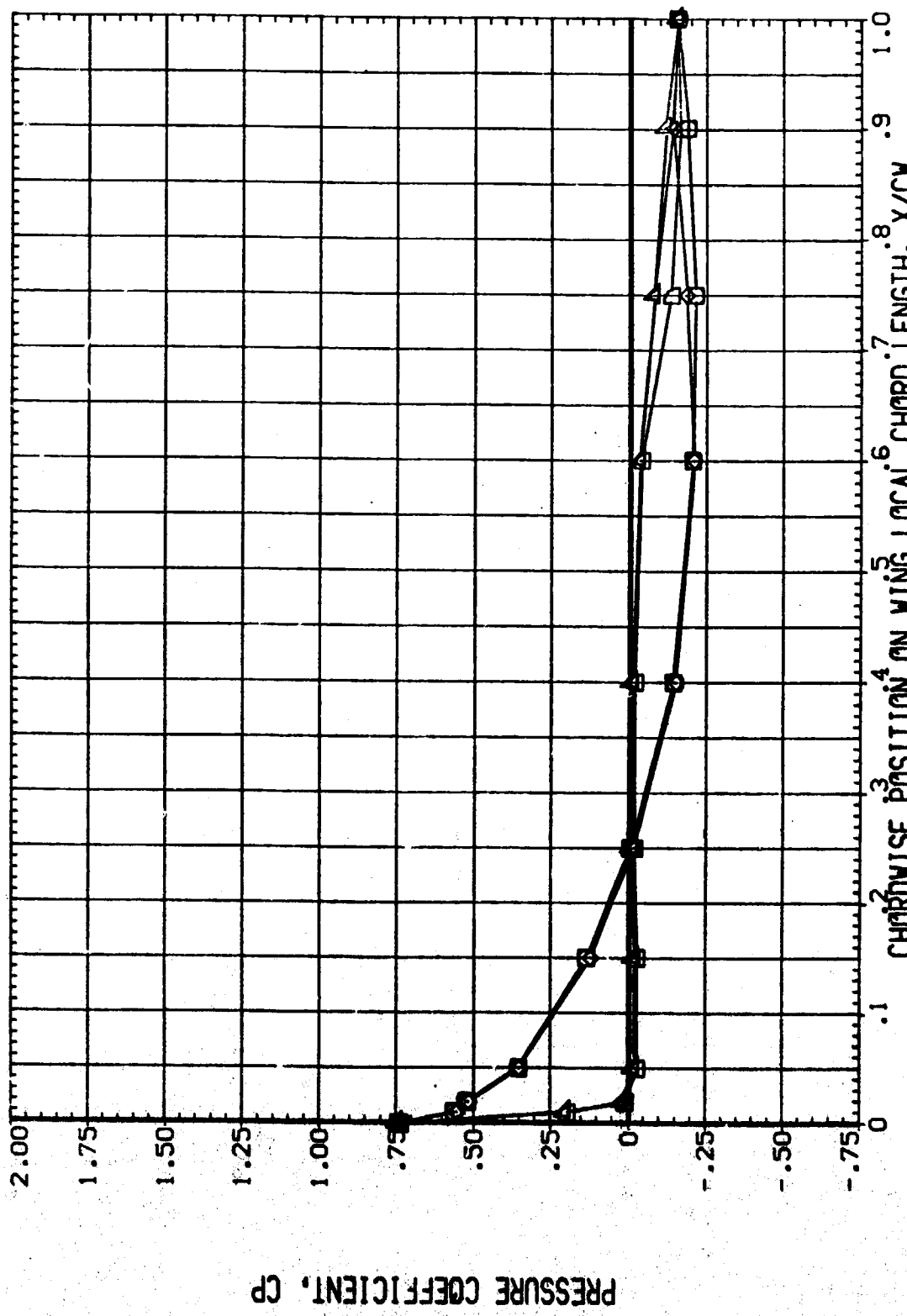


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = -4.000 Y/BW = .887 PAGE 1365

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU06)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL35)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

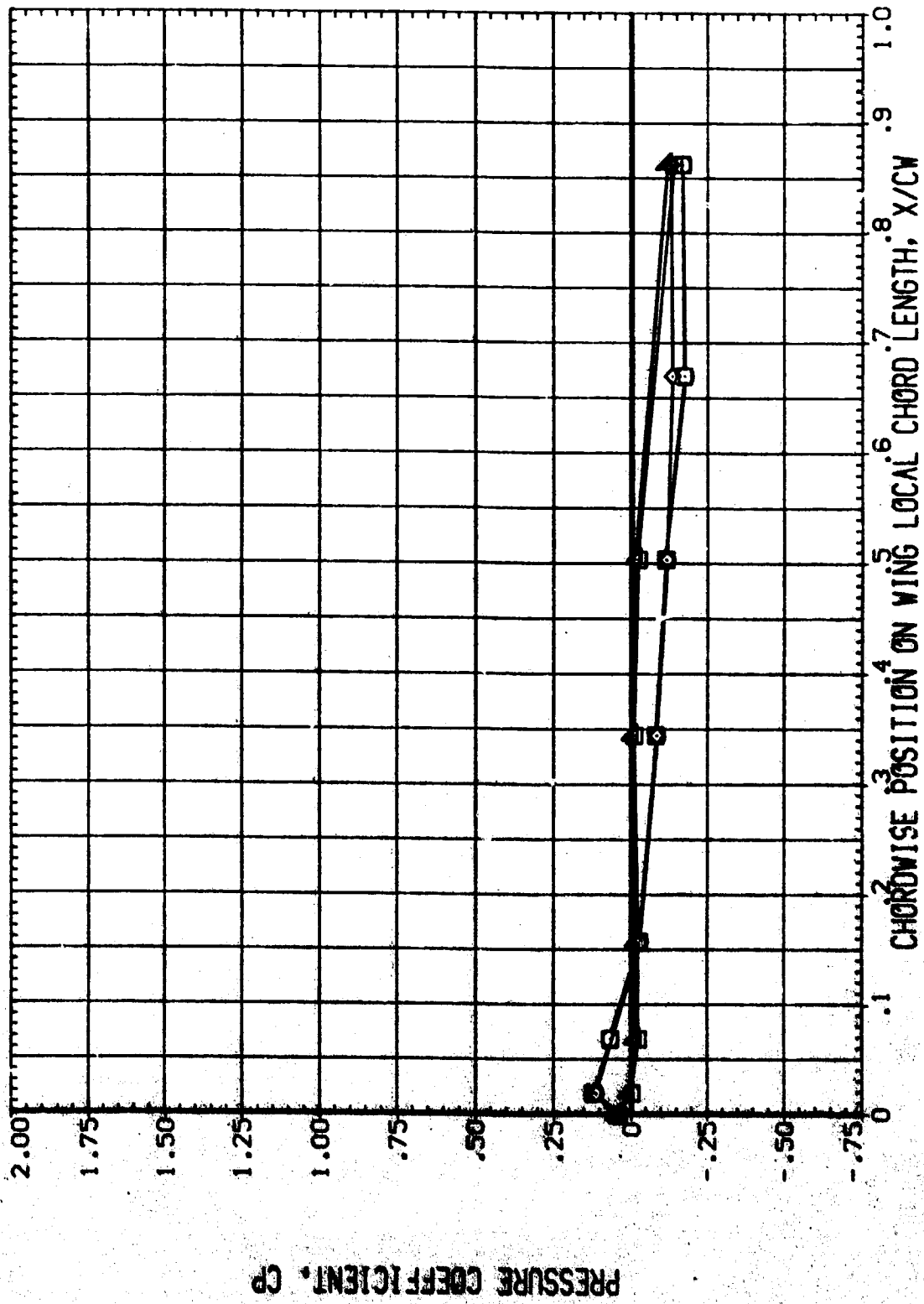


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = -4.000 Y/BW = .972
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

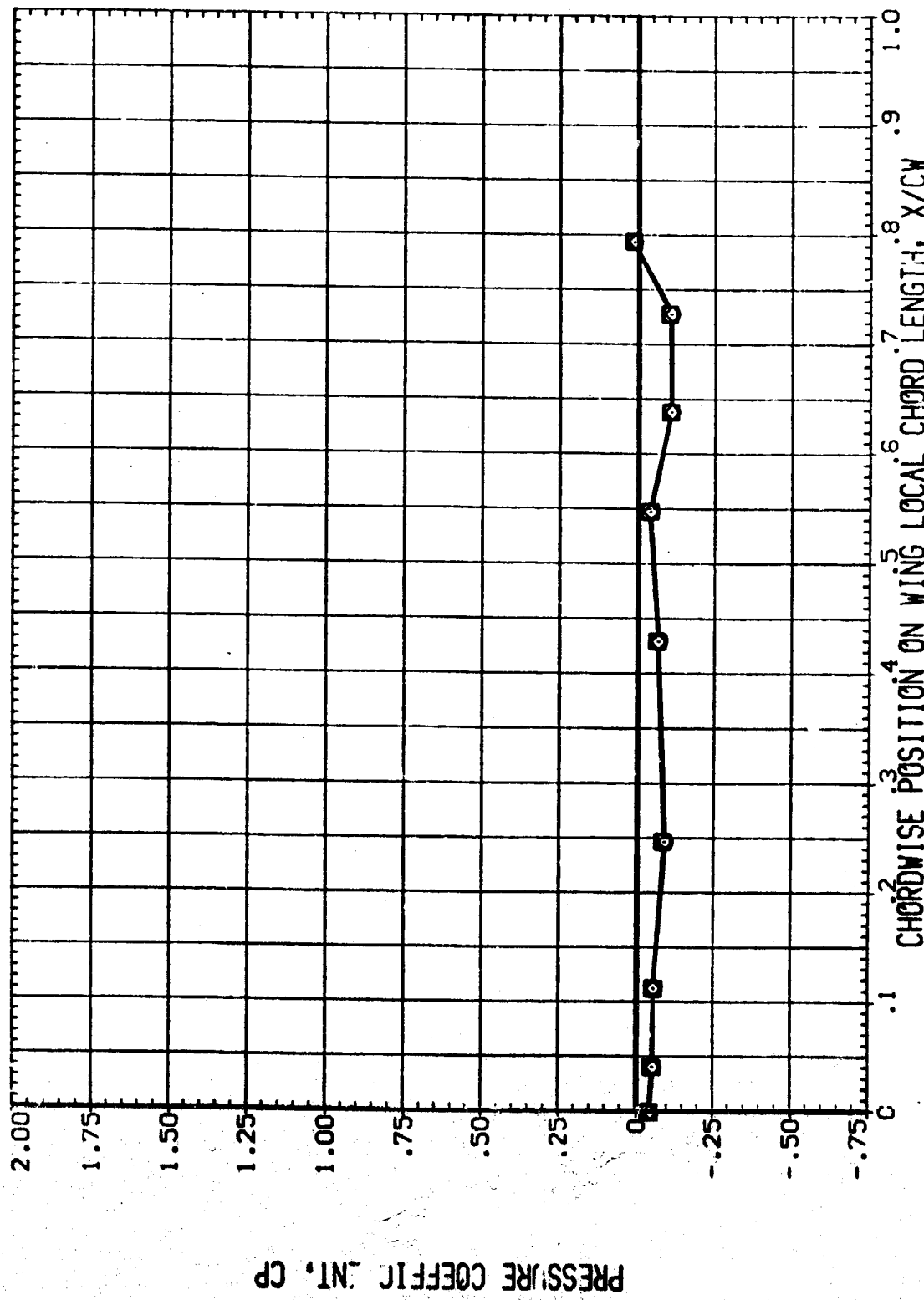


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = .000 Y/BW = .235 PAGE 1367

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-TB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	8.000	2.500	.000
(IETU48)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.000	8.000	2.500	-4.000

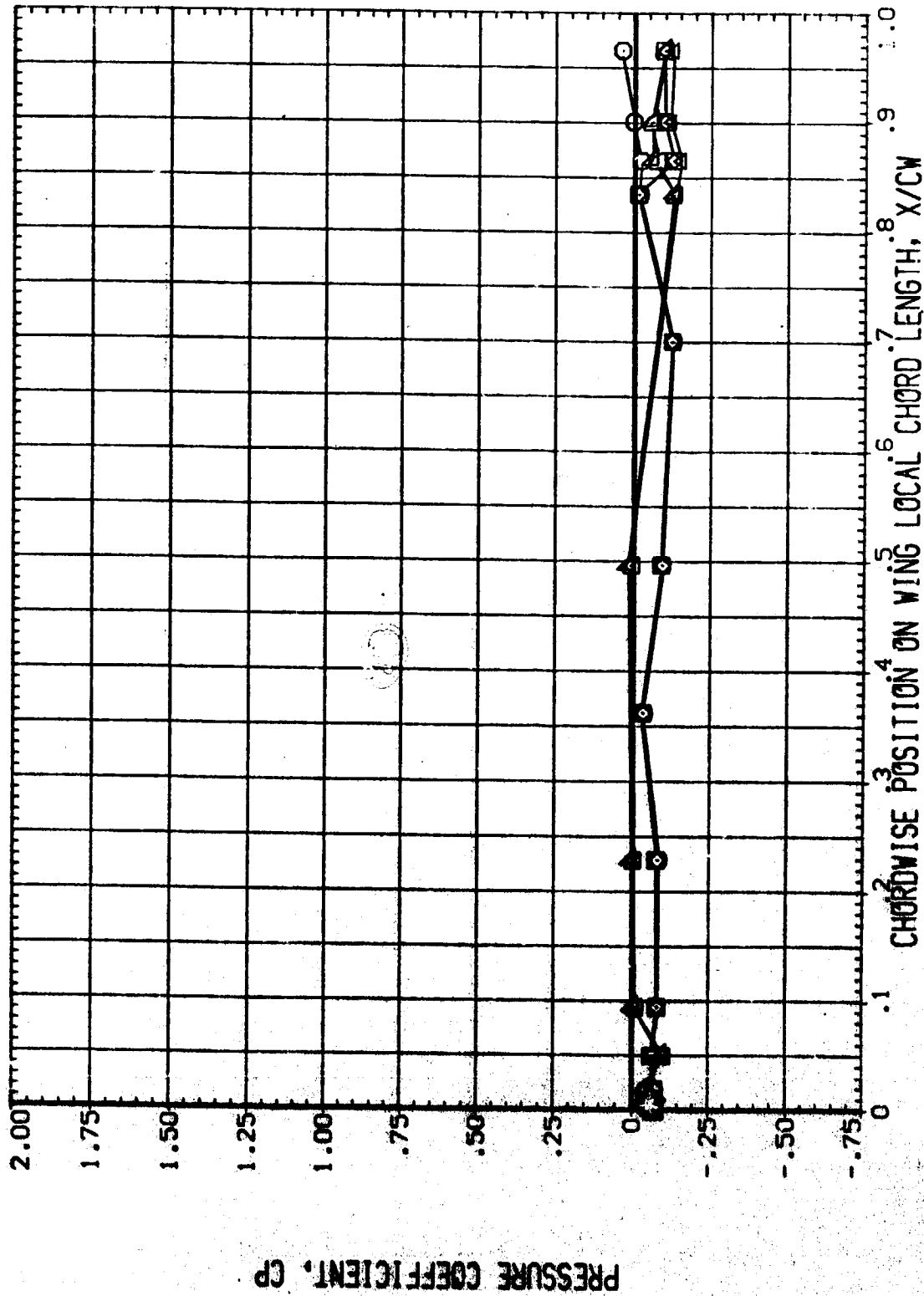


FIG. 86 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

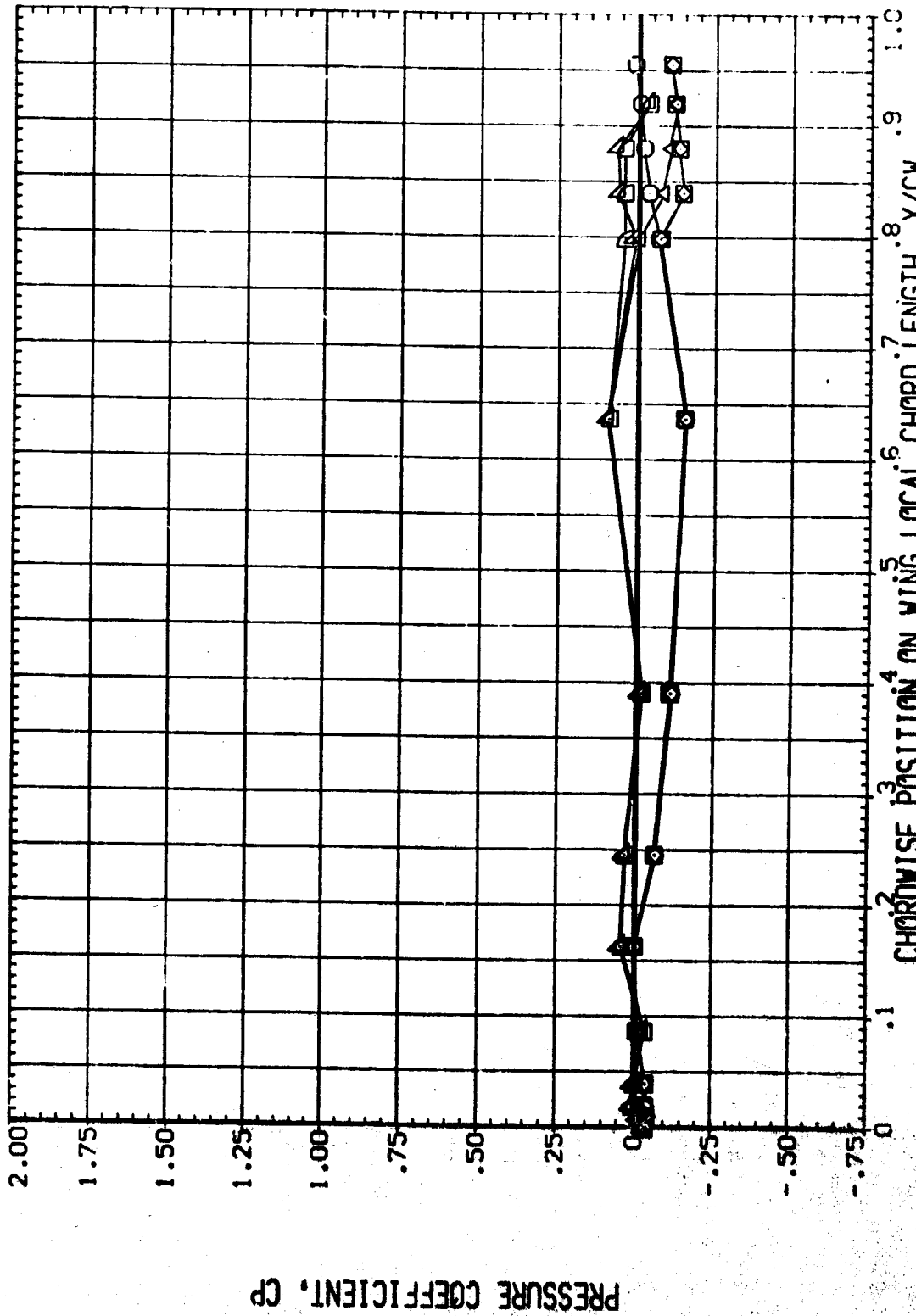


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1) (1) (1)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(2) (1) (1)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(3) (1) (1)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(4) (1) (1)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(5) (1) (1)	ARC97-019 (A81 LVAP(ALL) SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

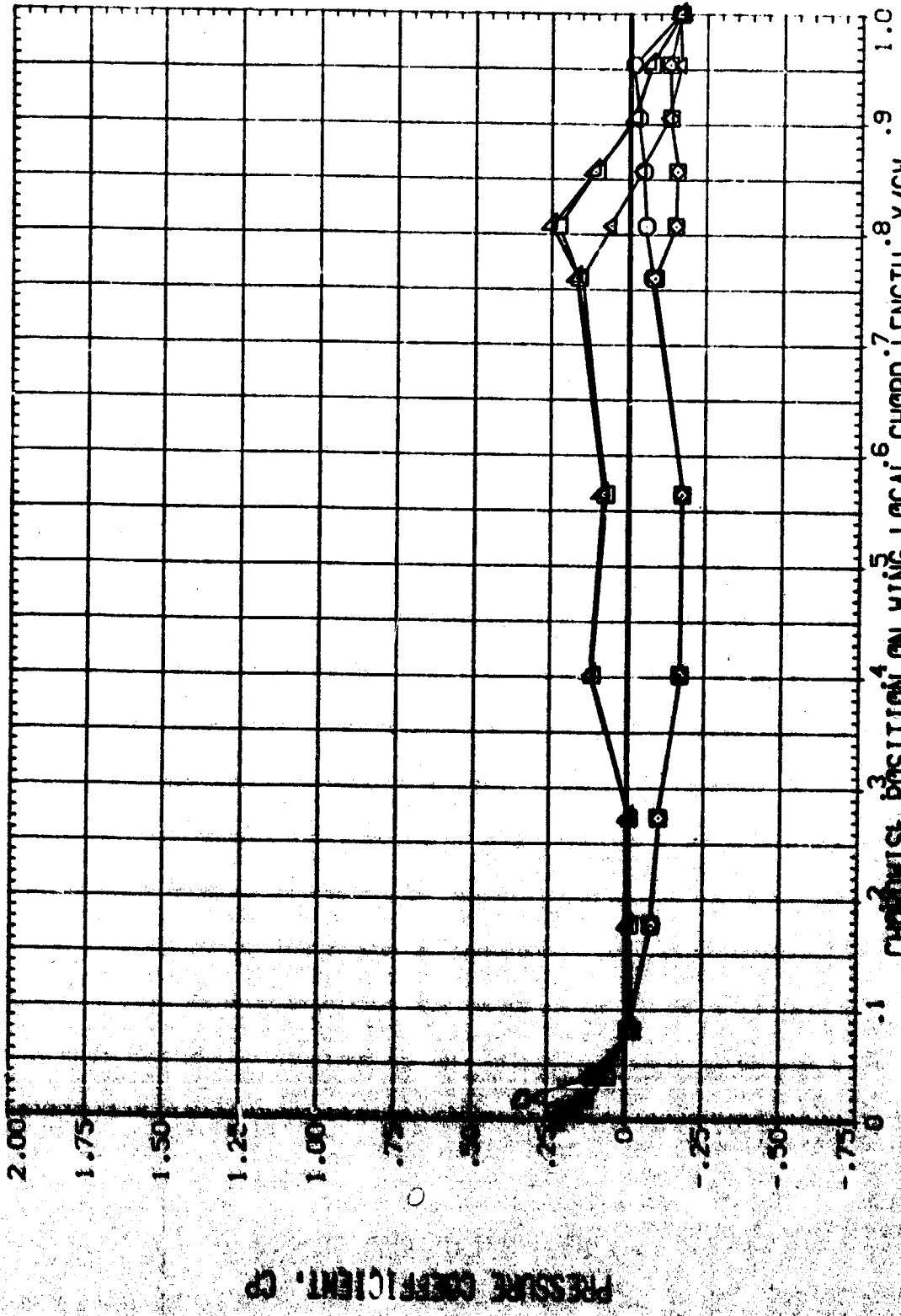


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.00
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = .000 BETA = .000 Y/BW = .427 PAGE 1370

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-TB	RN/FT	ELV-OB
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IE1M4)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

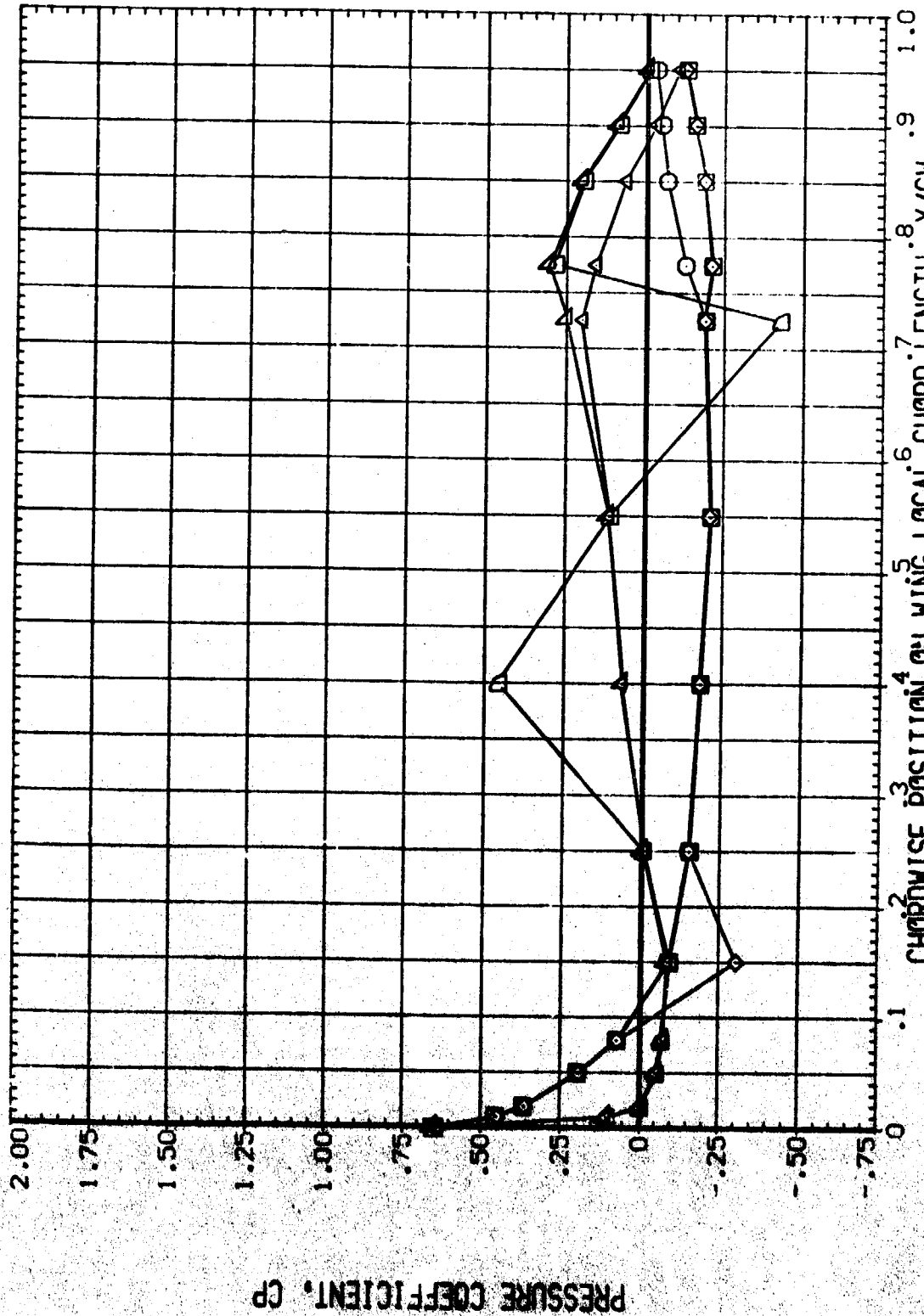


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(SETU00)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(SETU01)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(SETU02)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(SETU03)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(SETU04)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(SETU05)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

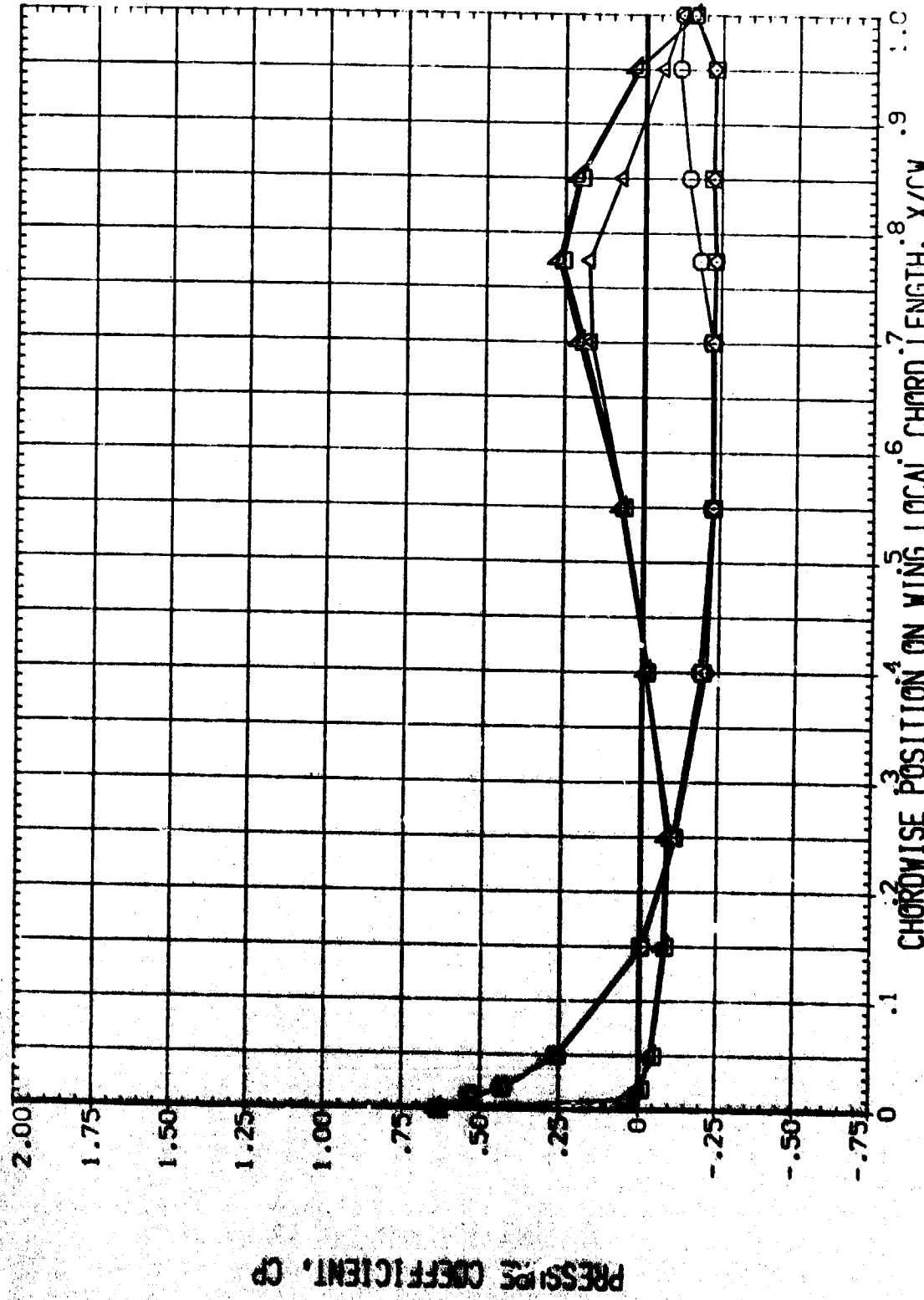


FIG. 56 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = .000 BETA = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000

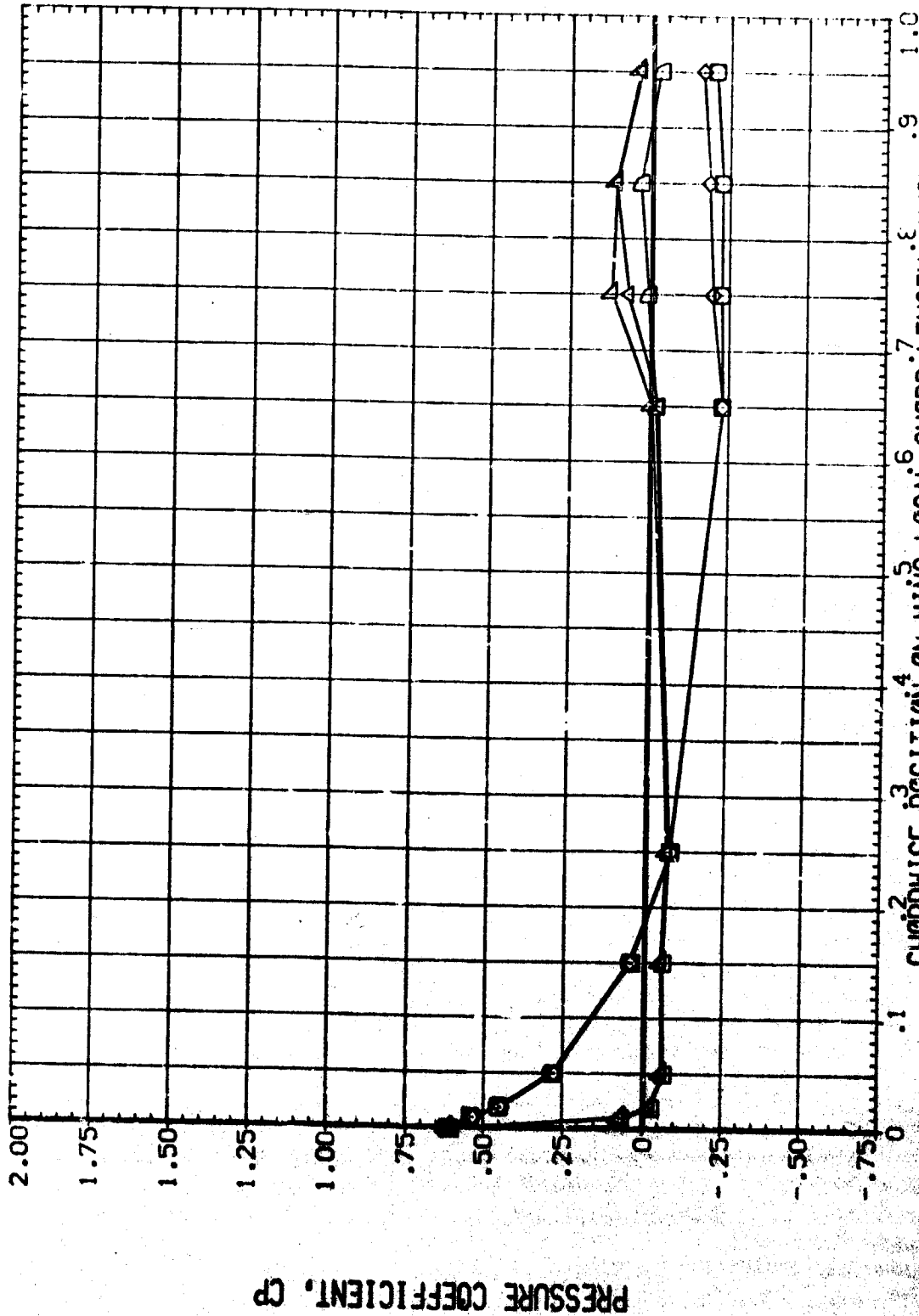


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA = .000 BETA = .000 Y/RM = 780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-3B
(JETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(JETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

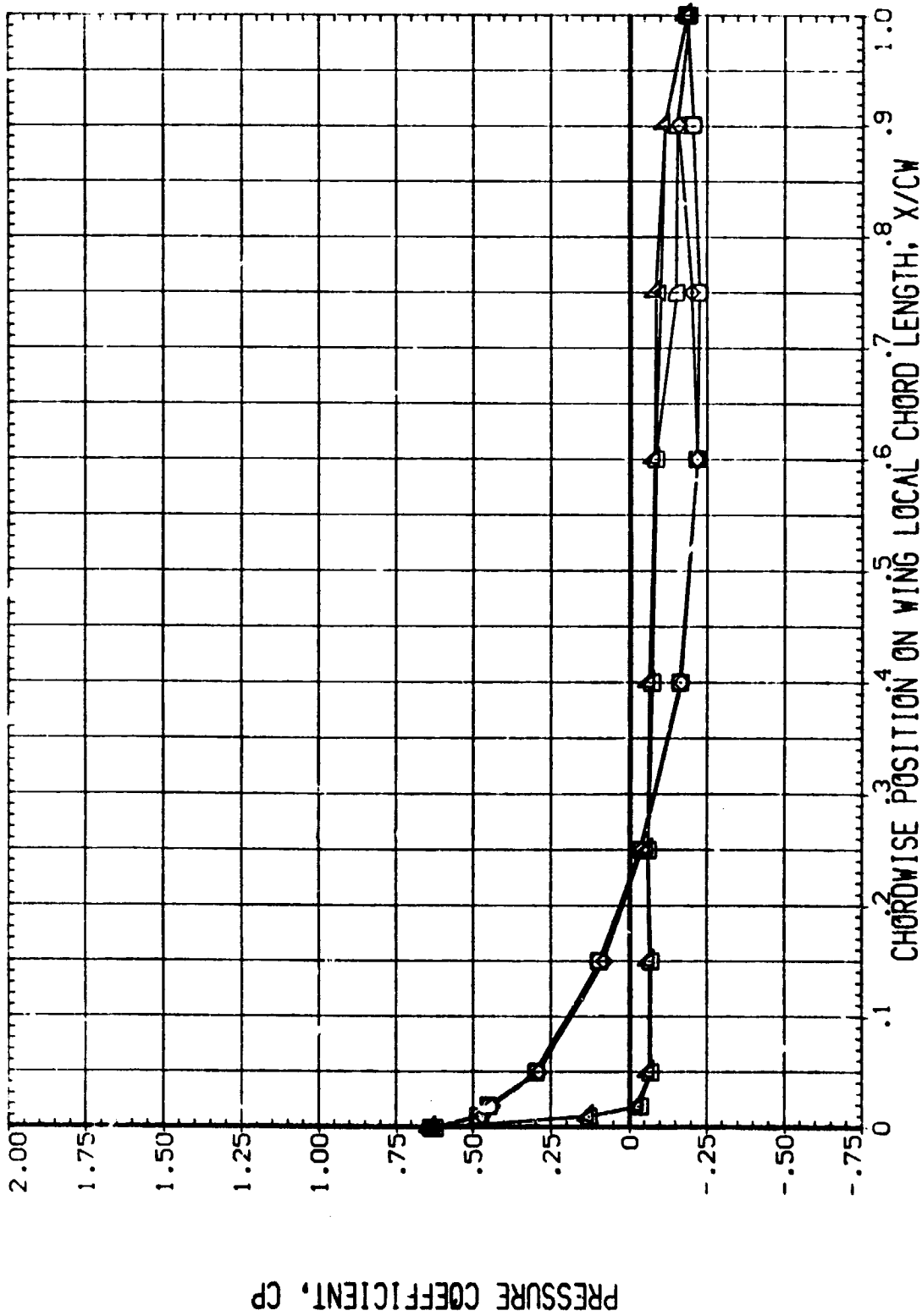


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00
 ALPHA0 = .000 BETA0 = .000 Y/BW = .387 PAGE 1374

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(:ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(:ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(:ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(:ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(:ETL34)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(:ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

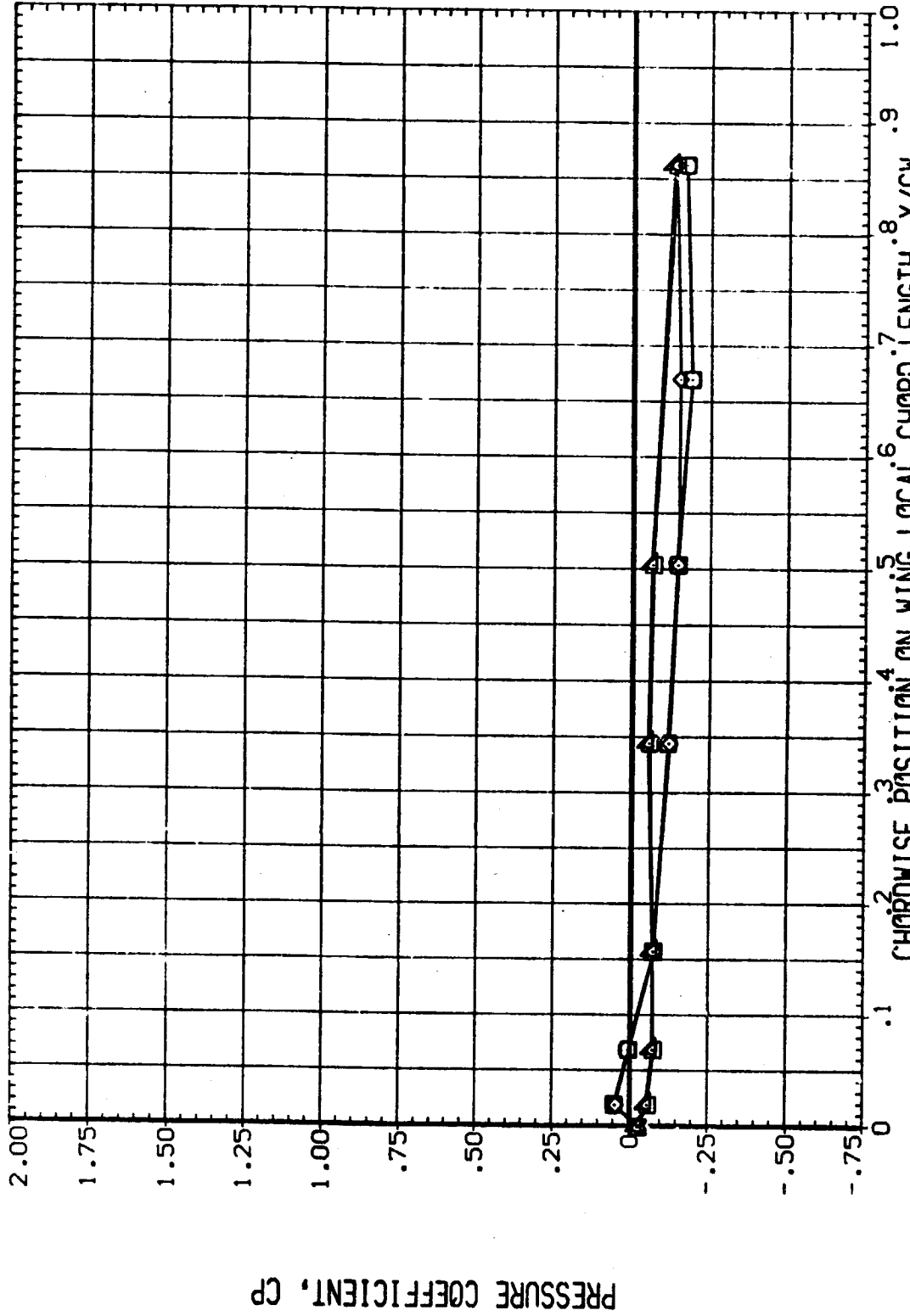


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	5.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

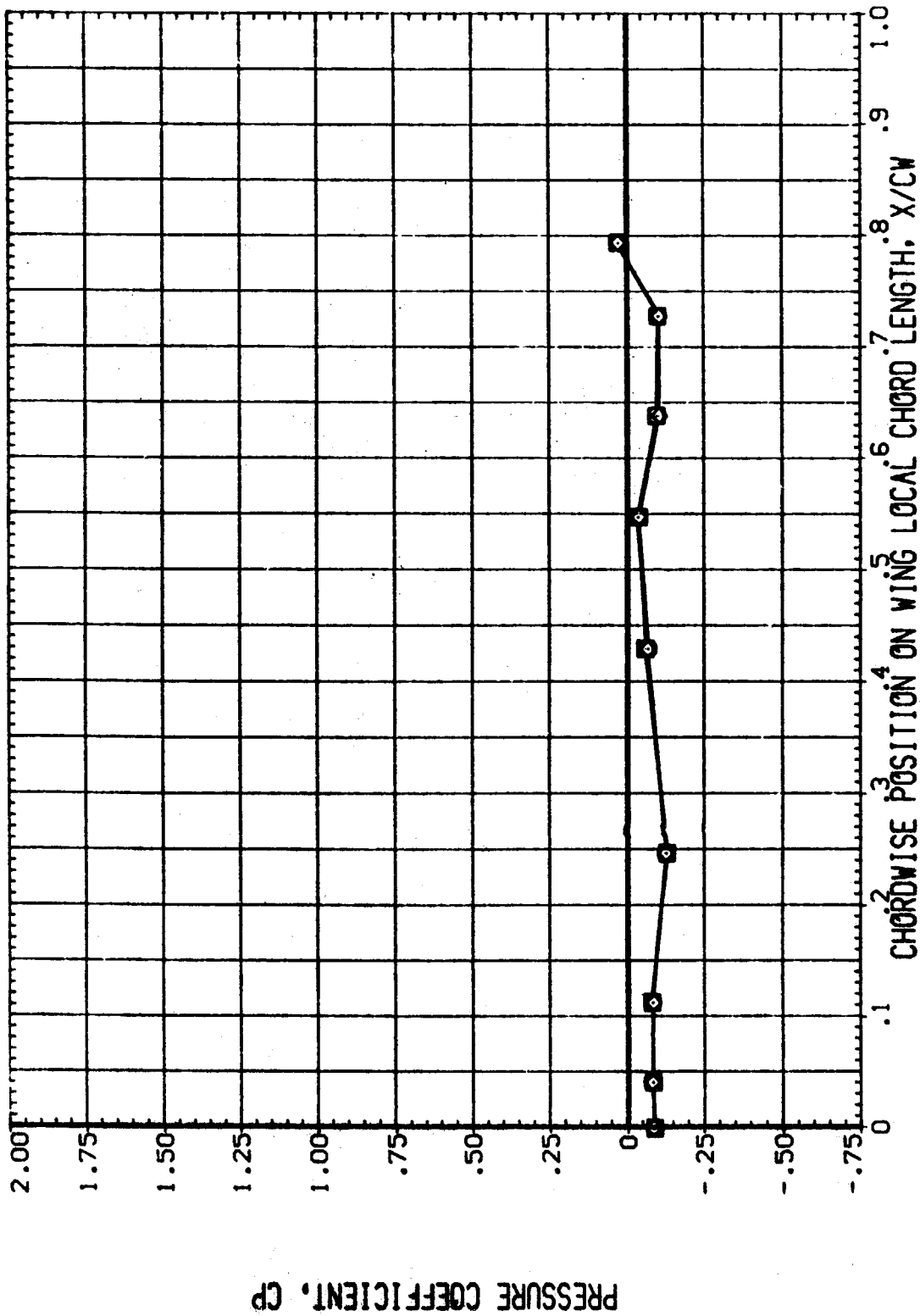


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA= .000 BETA0 = 4.000 Y/BW = .235 PAGE 1376

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(ETU40)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(ETU44)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(ETU36)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000

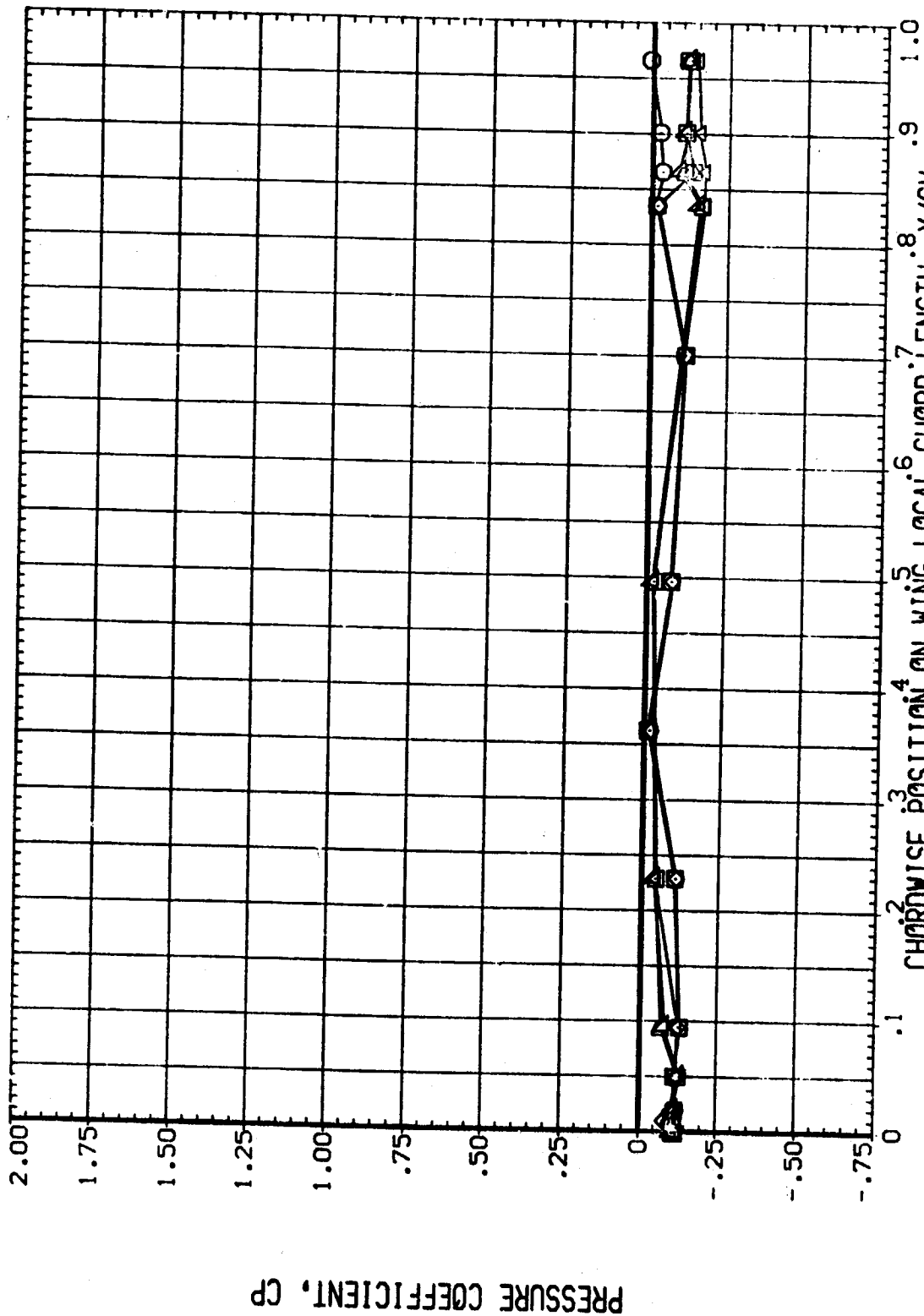


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

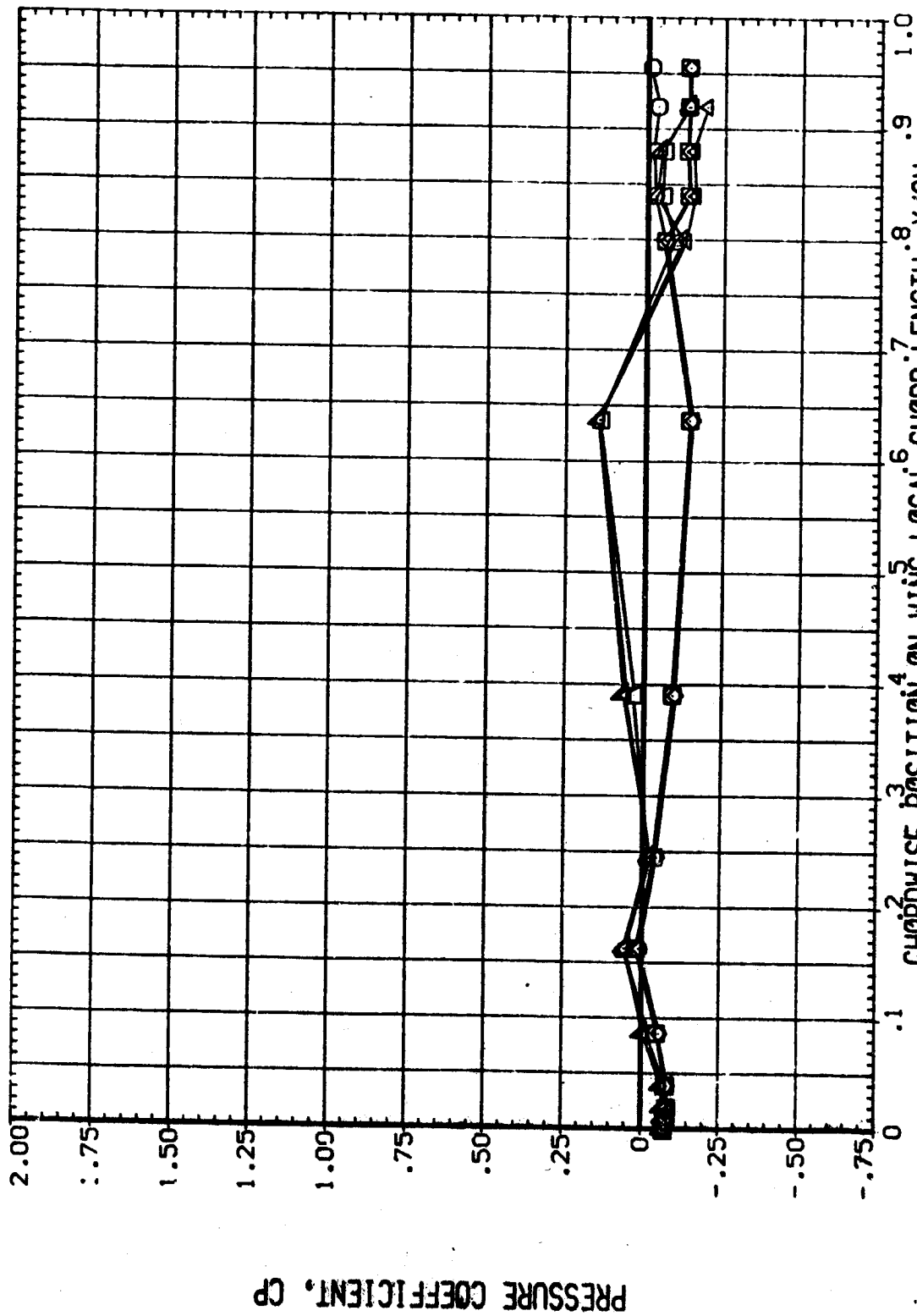


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

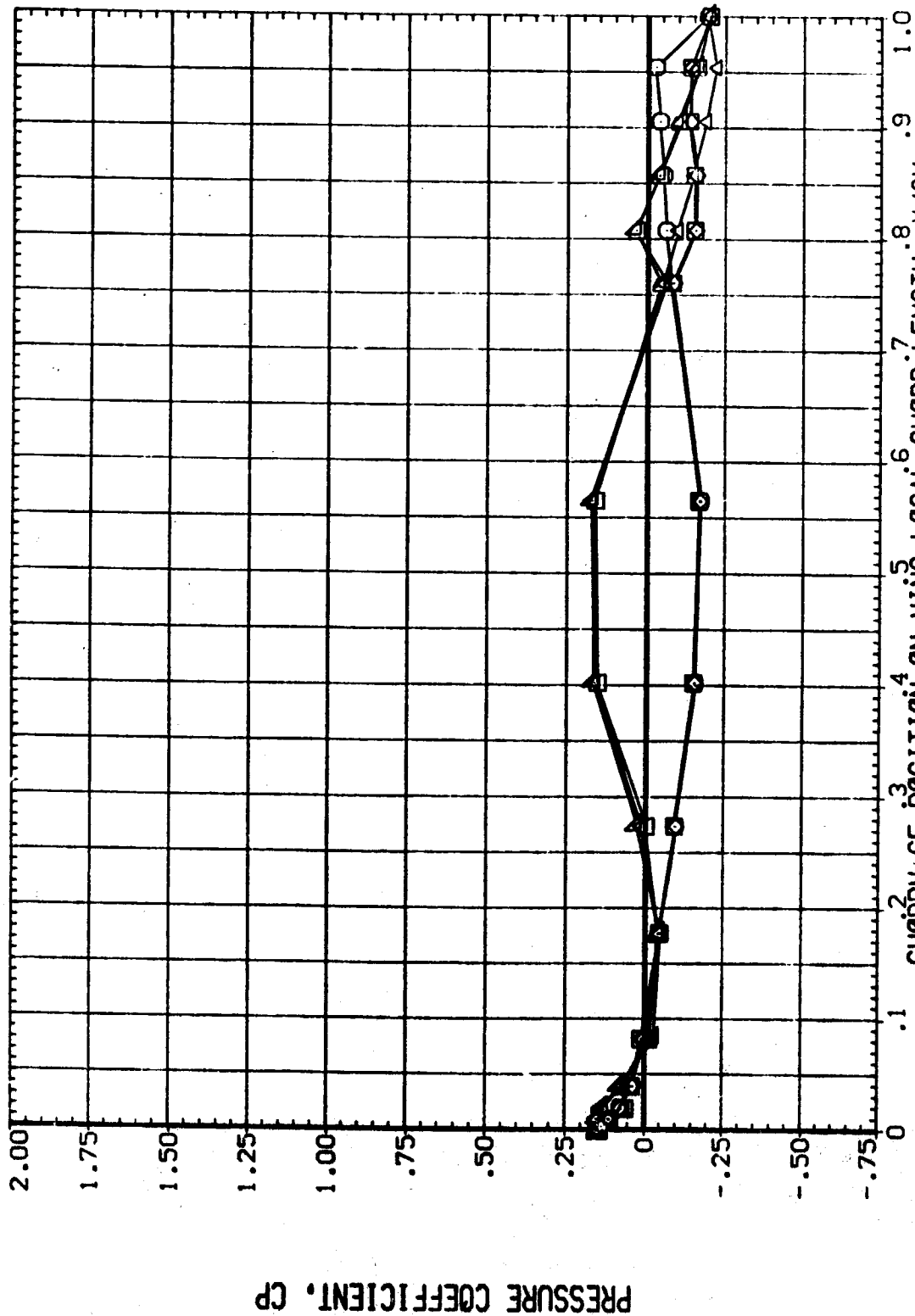


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

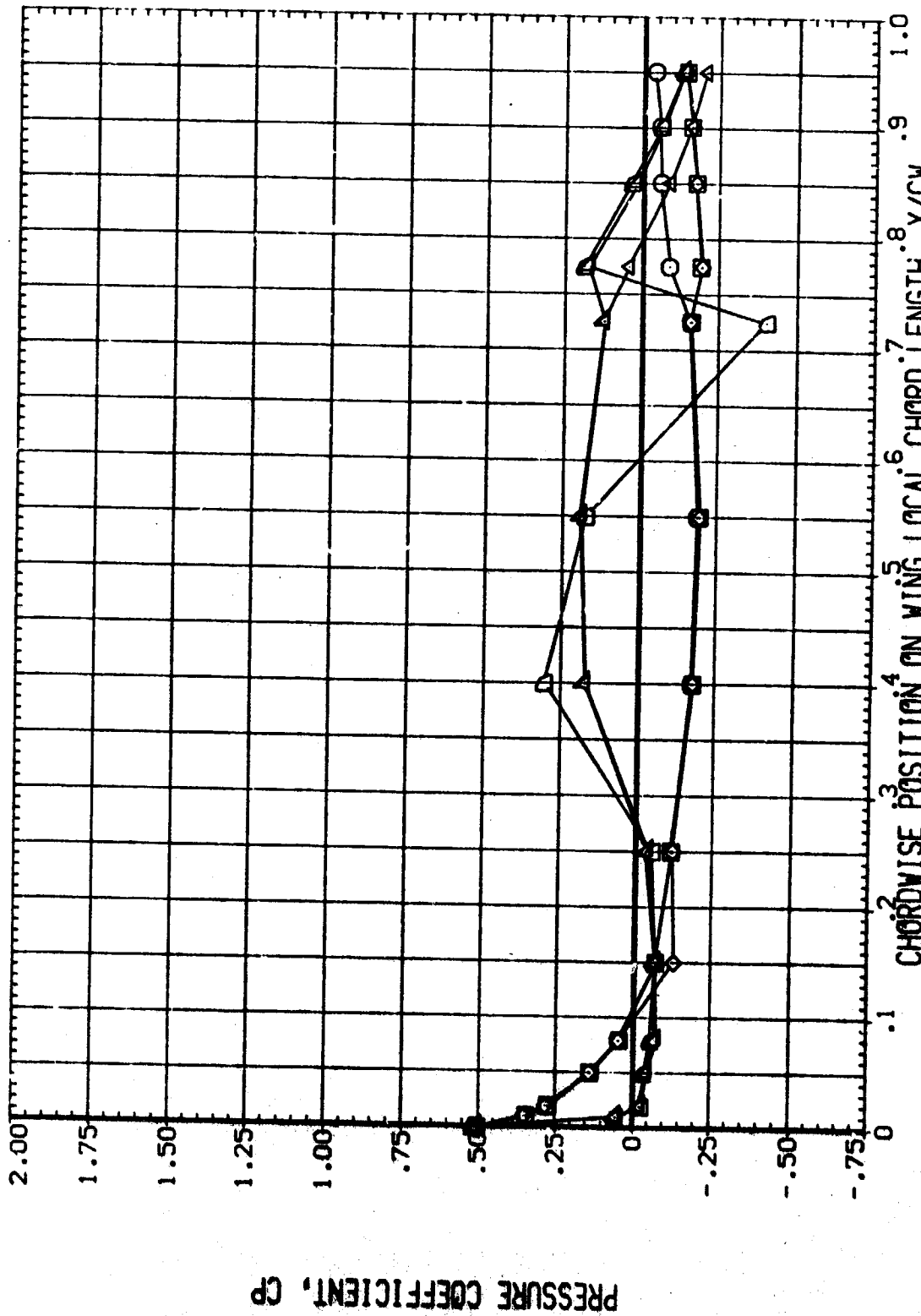


FIG. 66 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .534
 MACH = 2.00
 SPDBRK = 0.
 PAGE 1380

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

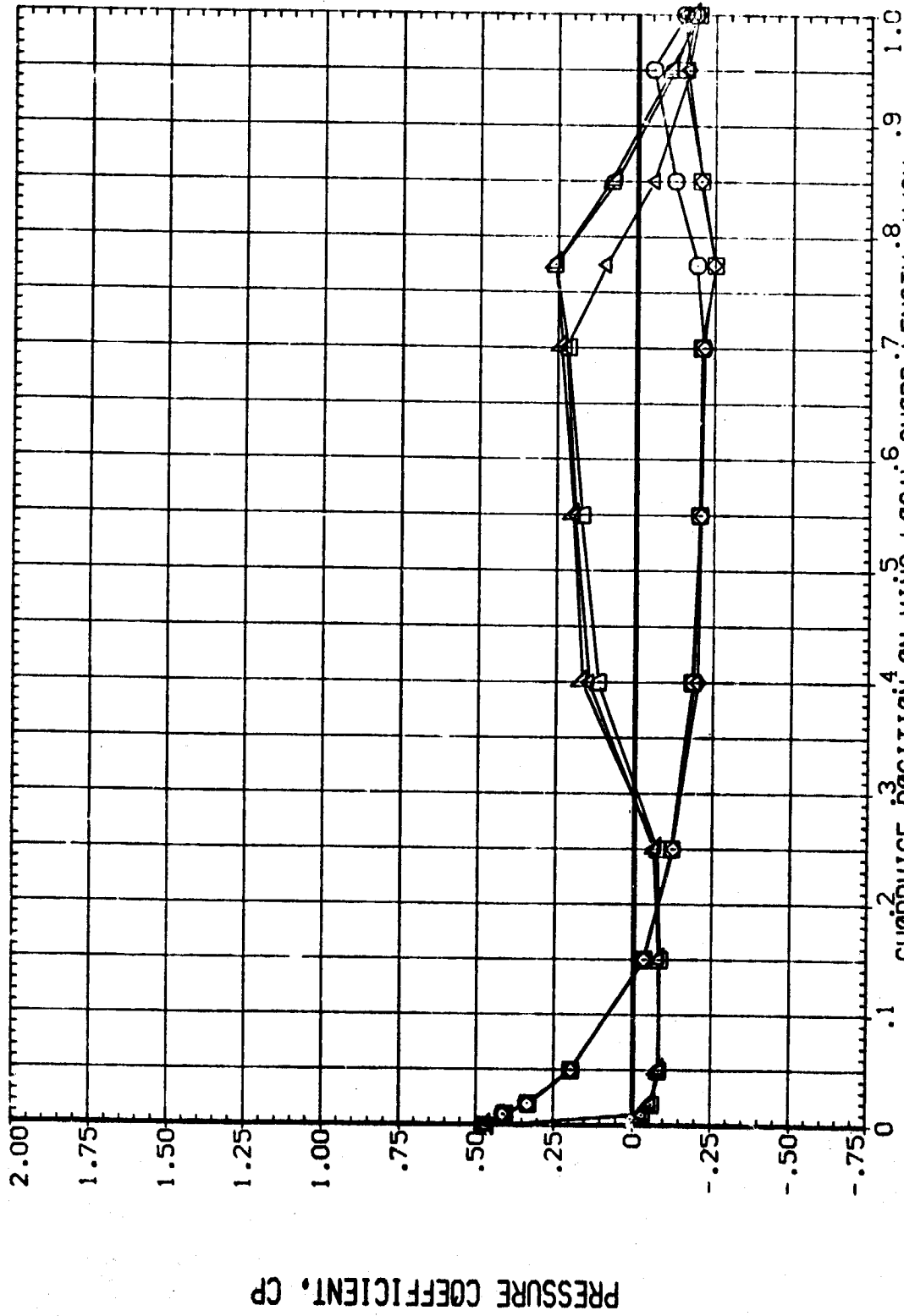
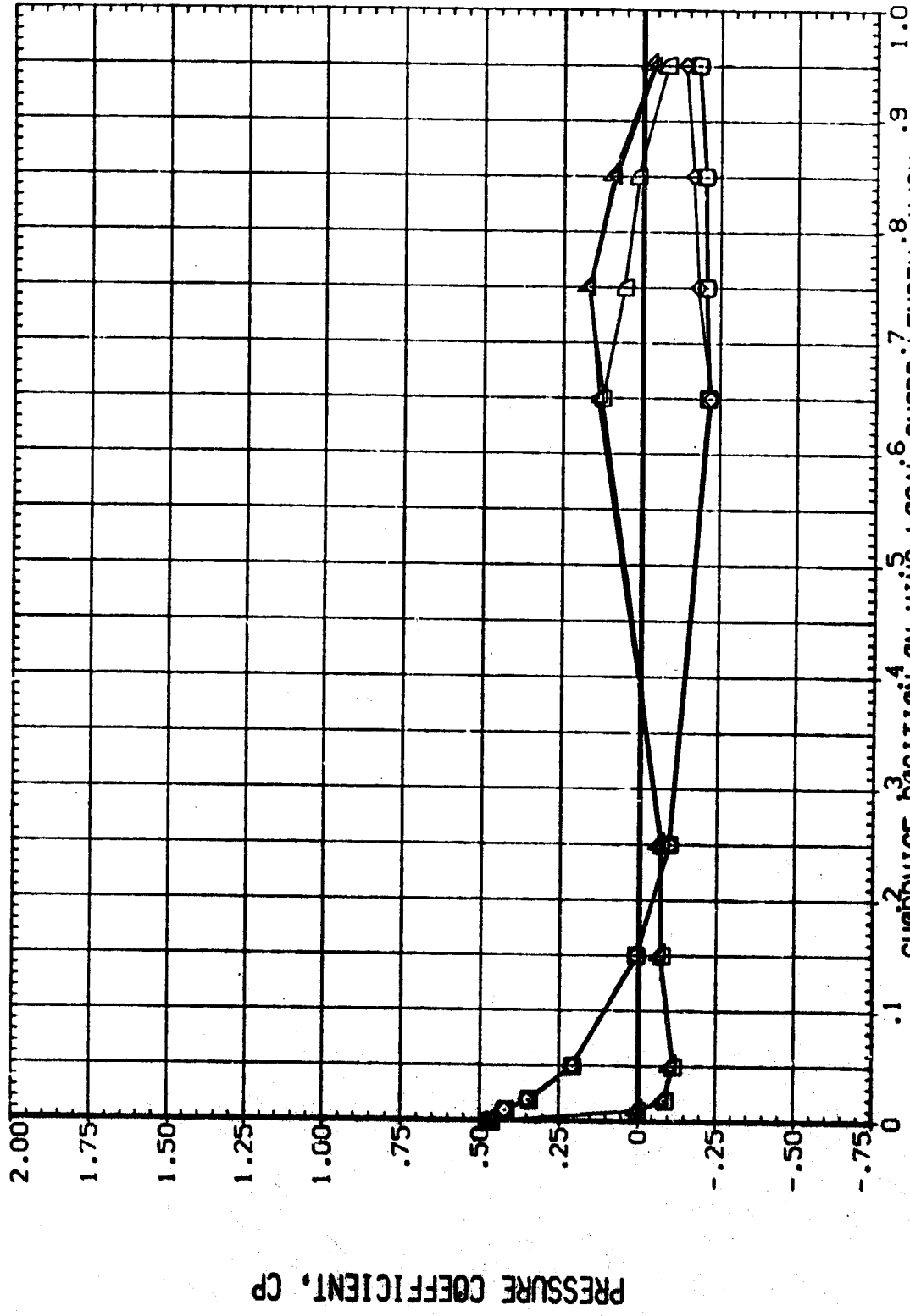


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU76)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .780

1 SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

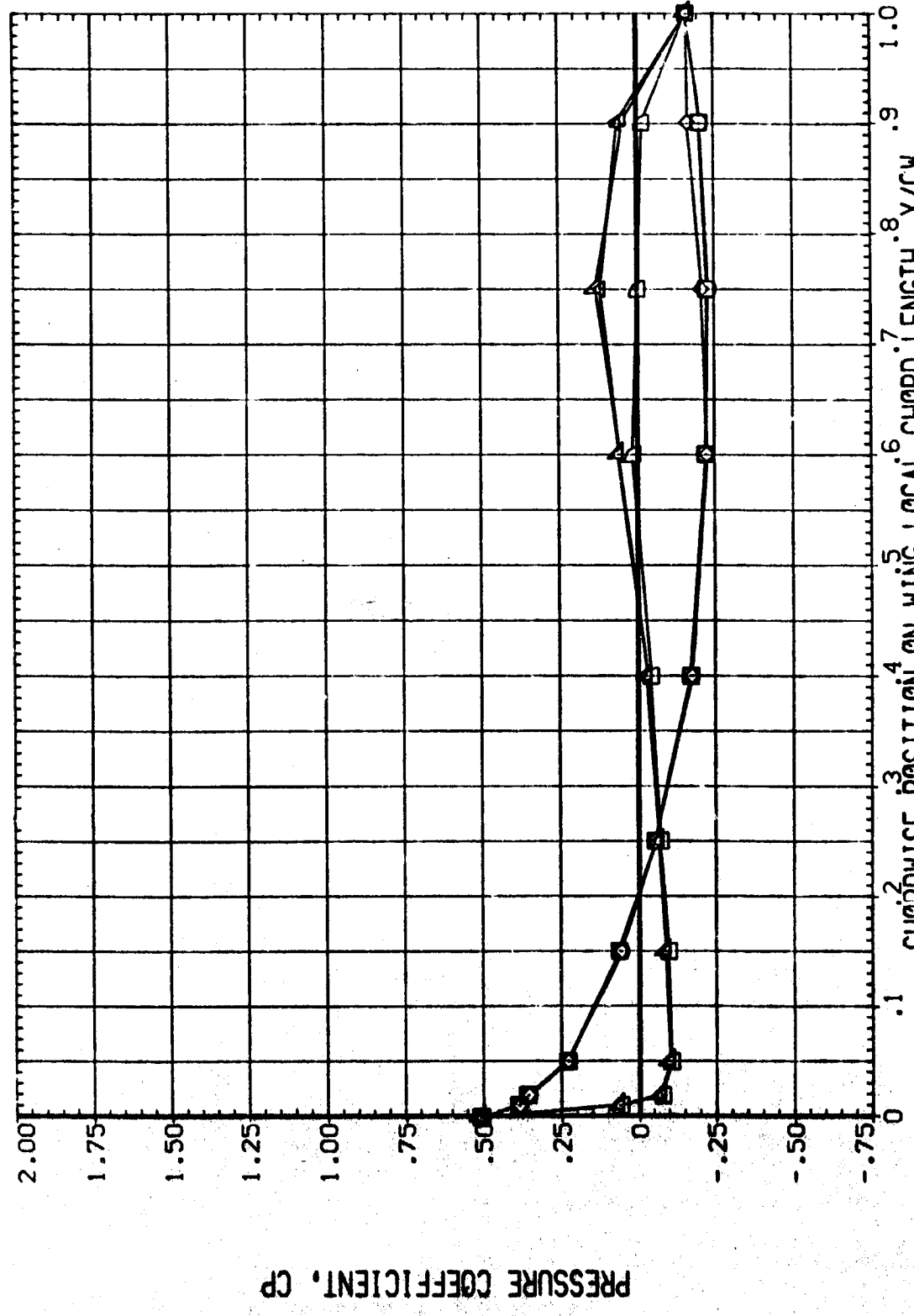


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

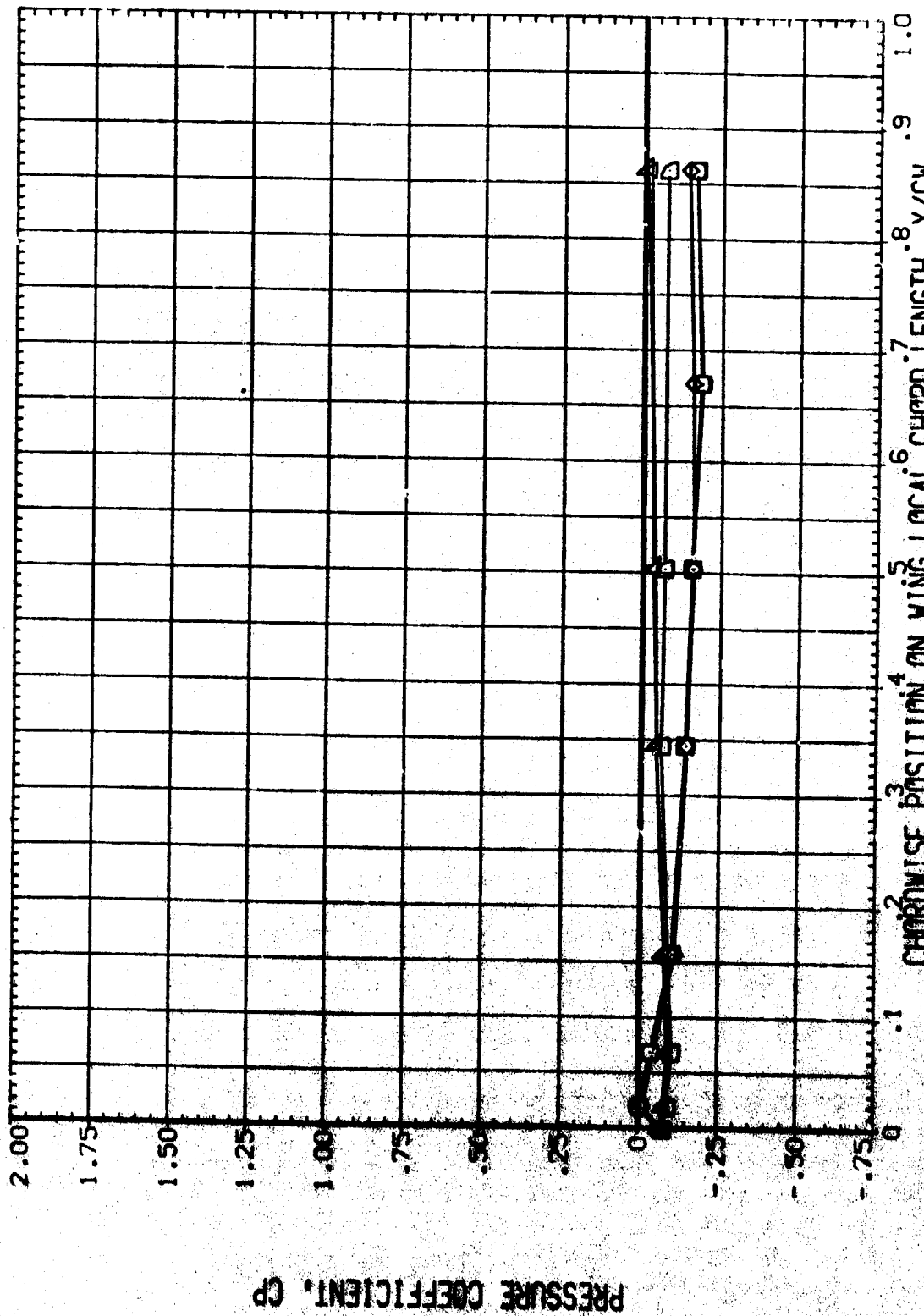


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 ALPHA = .000 BETA = 4.000 Y/BW = .972
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ET040)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ET044)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ET026)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1L40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(1L44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1EL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

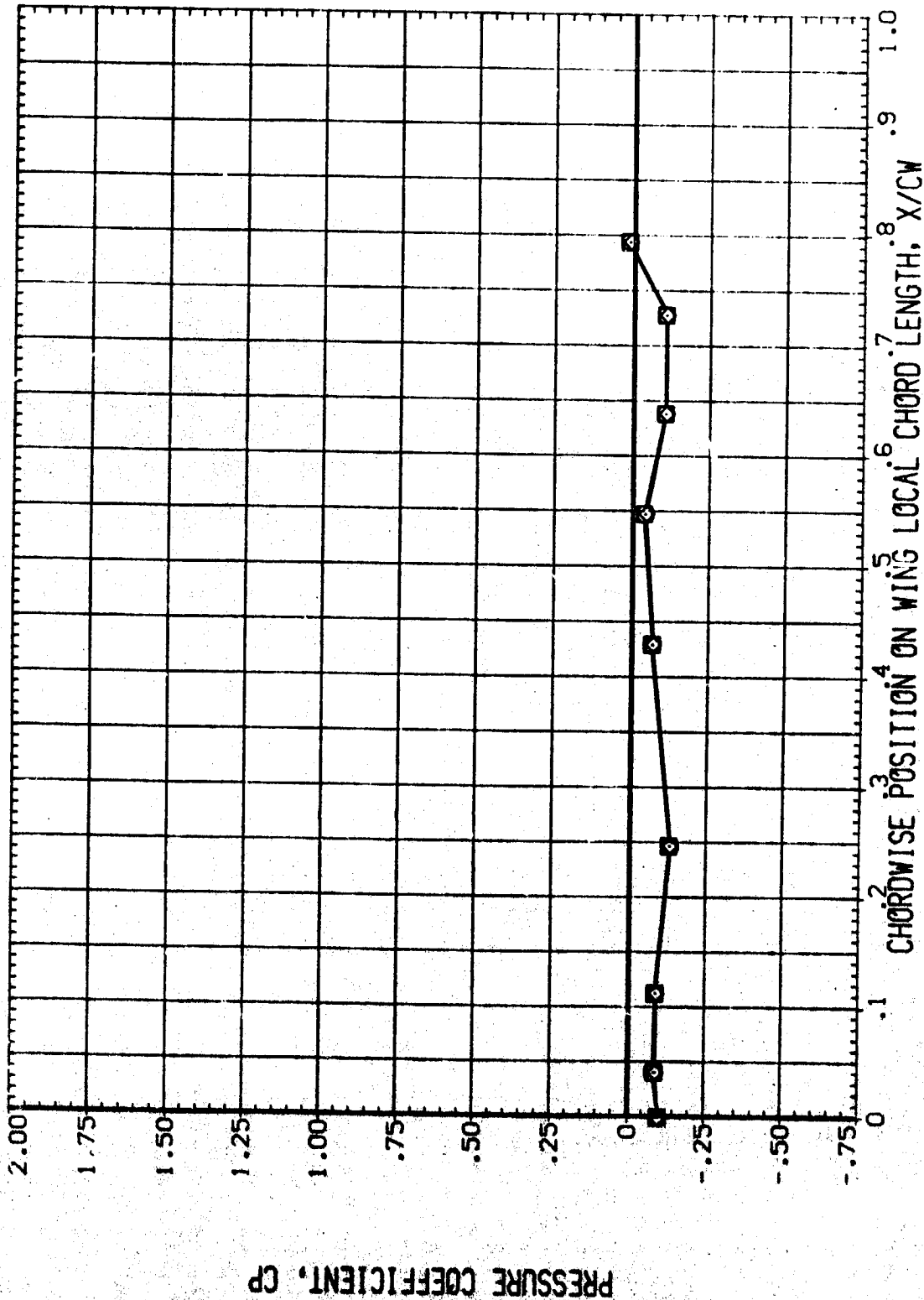


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

DATA SET SYMBOL
 (IETU40)
 (IETU44)
 (IETU36)
 (IETL40)
 (IETL44)
 (IETL36)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)

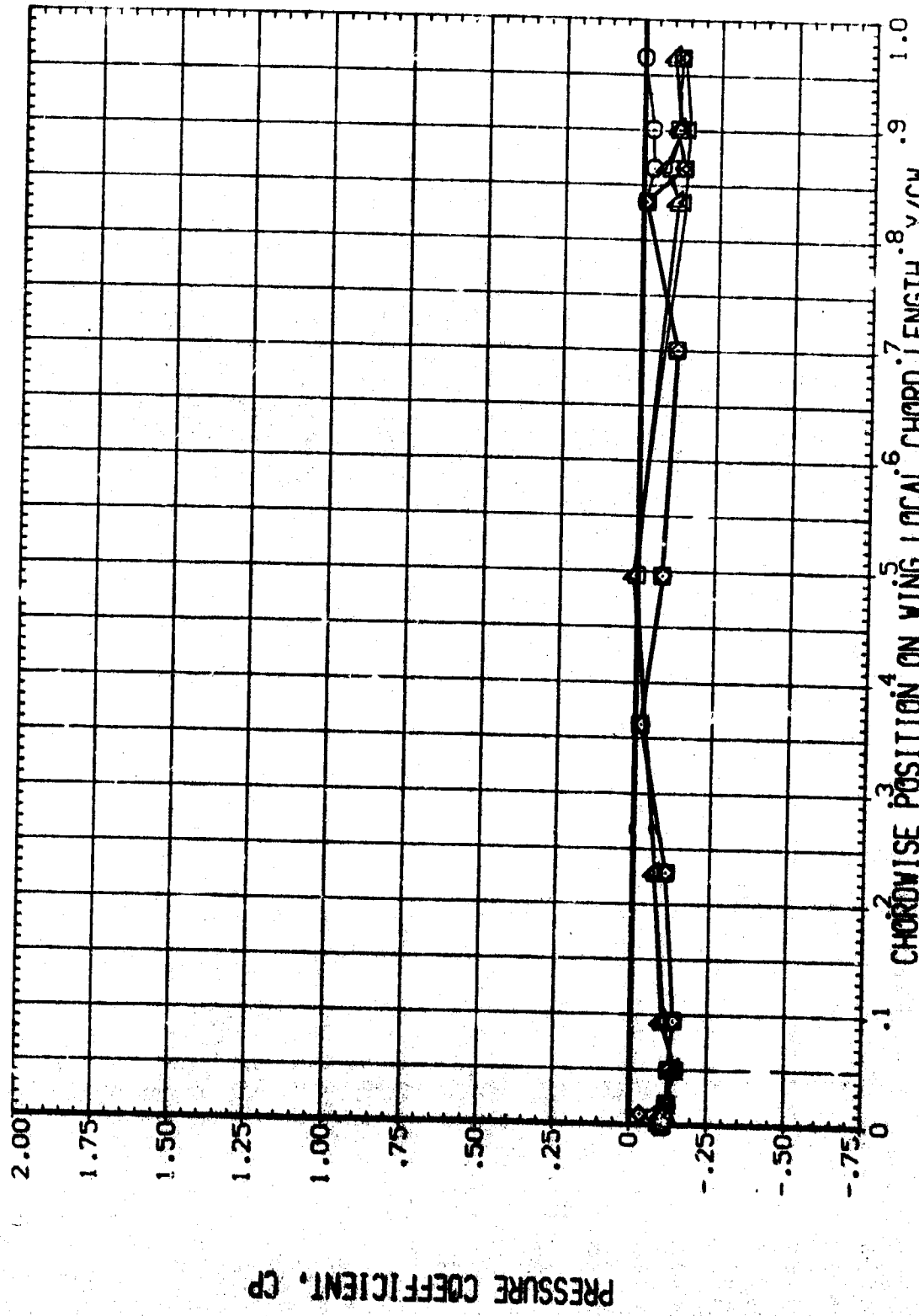
LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 2.000
 2.000
 2.000
 2.000
 2.000

ELV-IB
 .000
 8.000
 8.000
 8.000
 8.000

RM/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-OB
 .000
 .000
 -4.000
 .000
 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA = .000 BETA = 6.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(1ETU00)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU04)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 (AB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

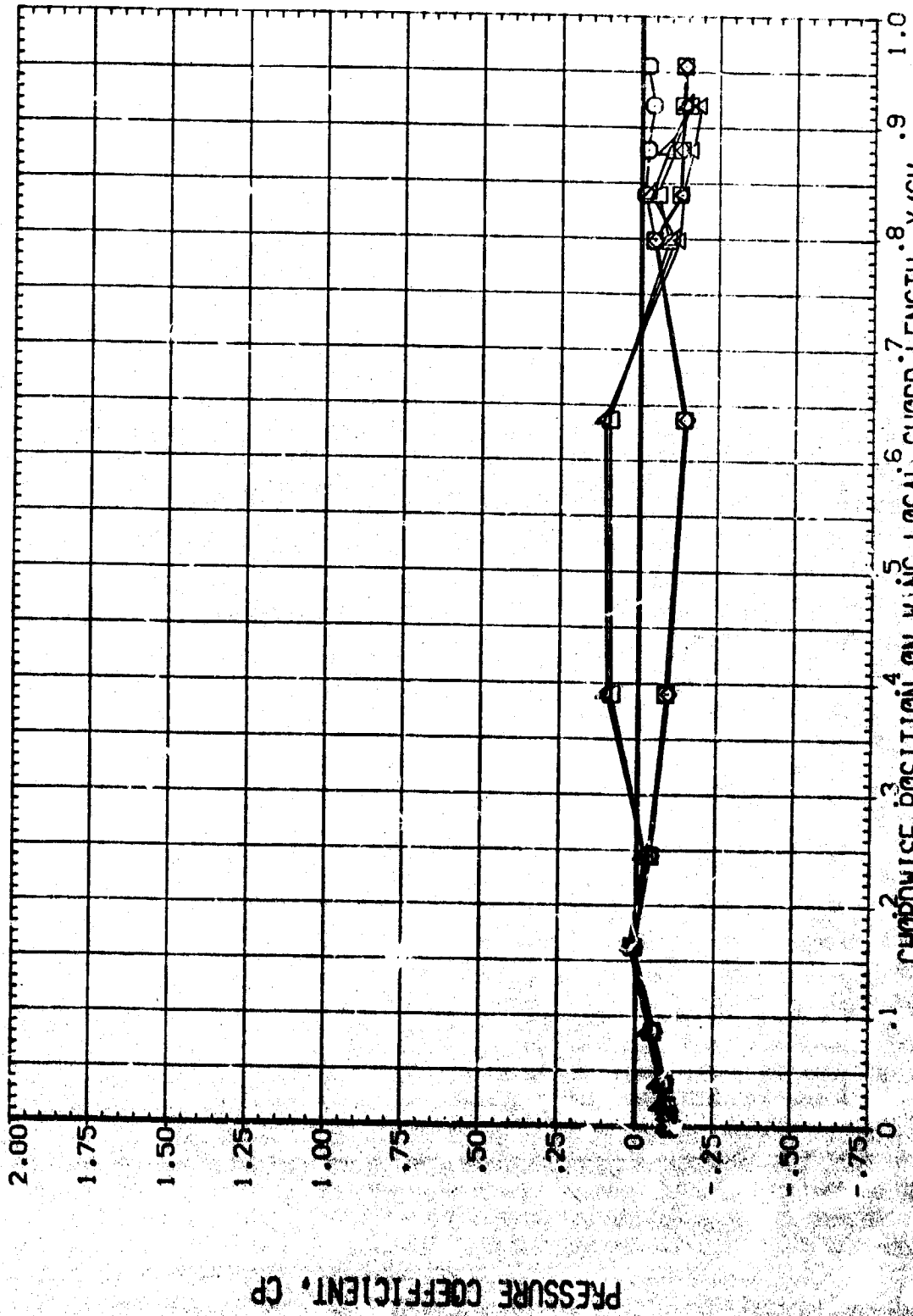


FIG. 65 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU40)	ARC97-0.9 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.07C	2.500	.000
(JETU44)	ARC97-0.19 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-0.19 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-0.9 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-0.19 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

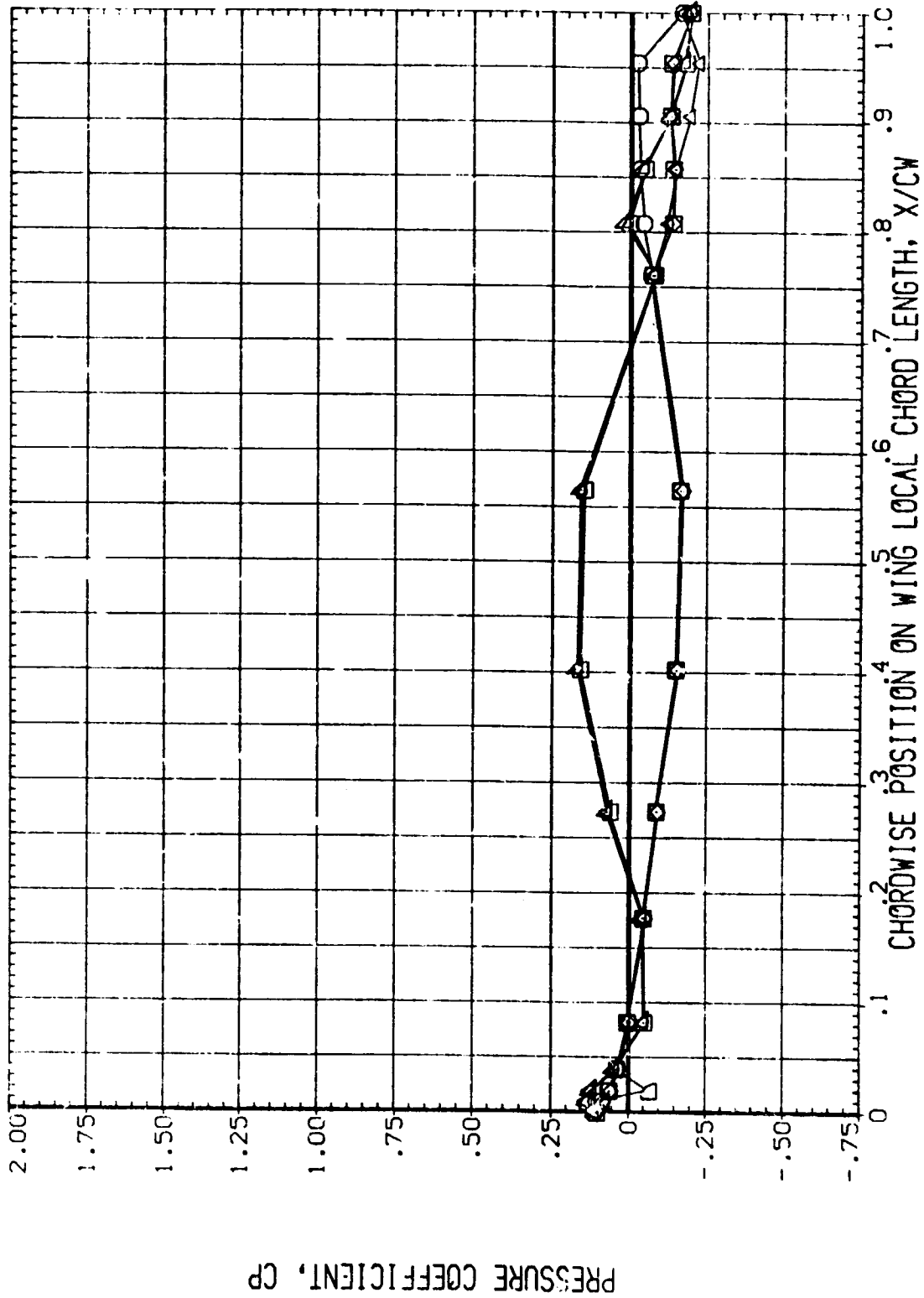


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA = .000 BETA = 6.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(E1040)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(E1044)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(E11036)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(E1140)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(E1L44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(E1L36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

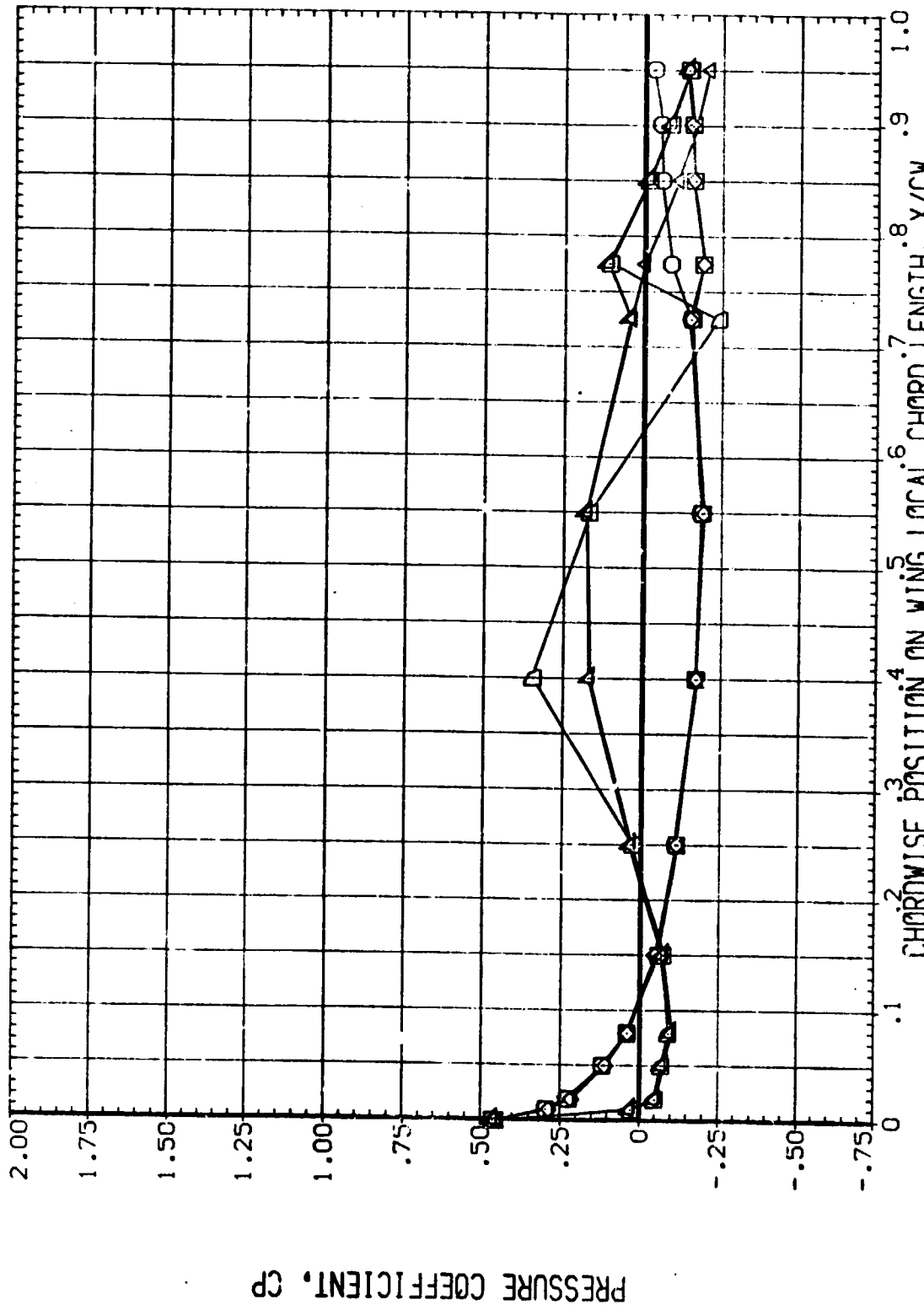


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2,500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2,500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2,500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2,500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2,500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2,500	-4.000

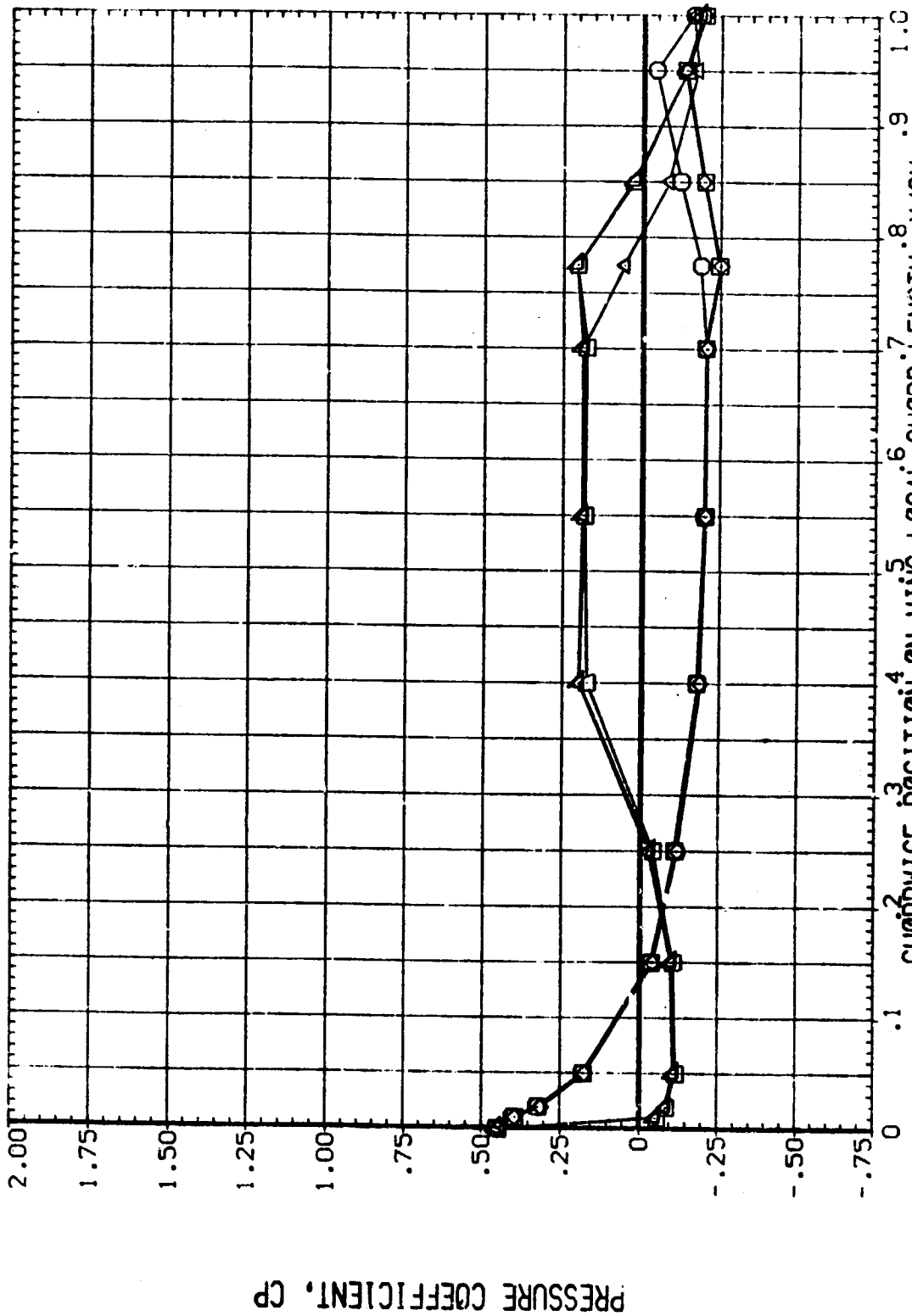


FIG. 56 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = .000 BETA0 = 6.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1)U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1)U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1)U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1)E1L40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1)E1L44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1)E1L36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

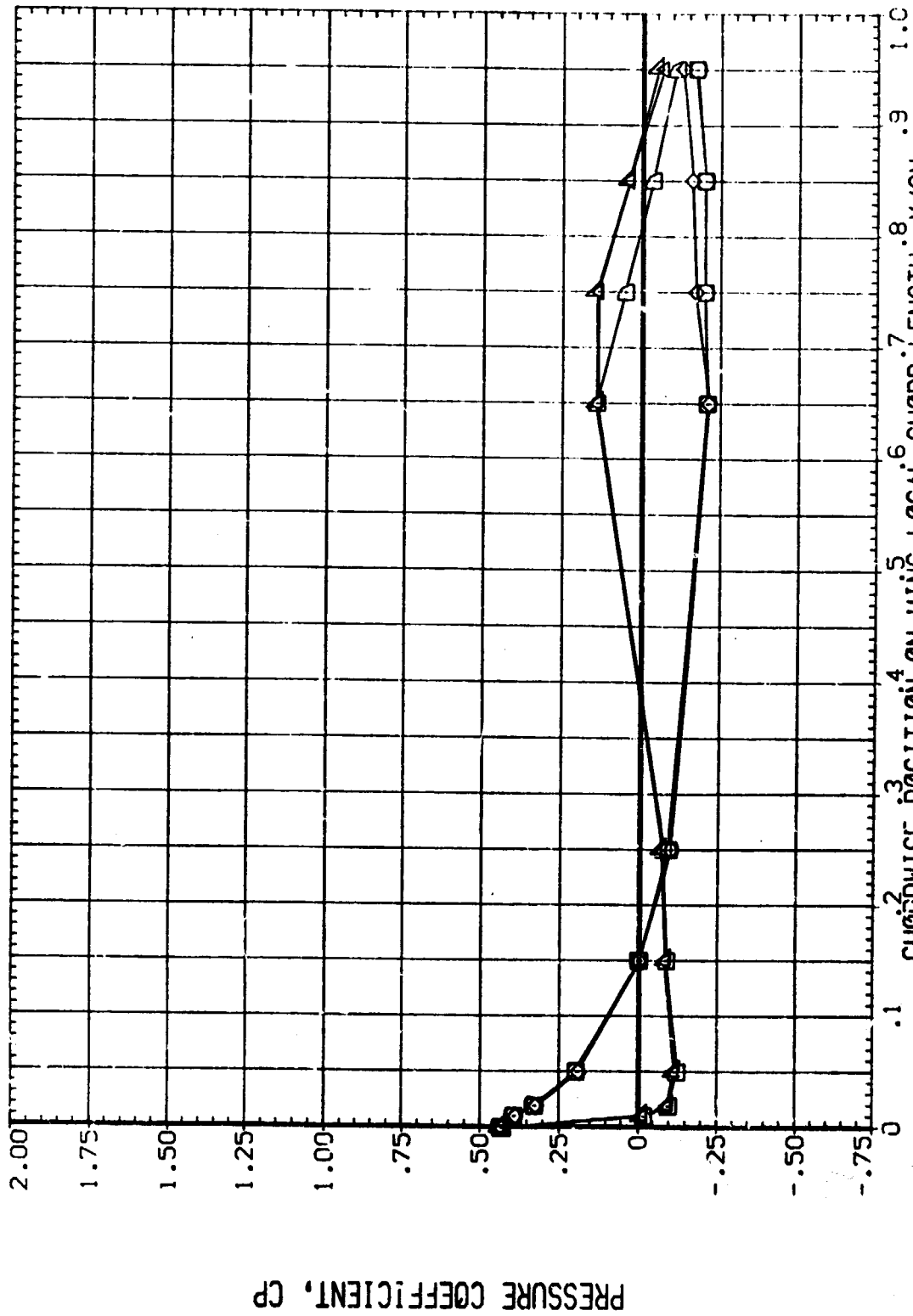


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

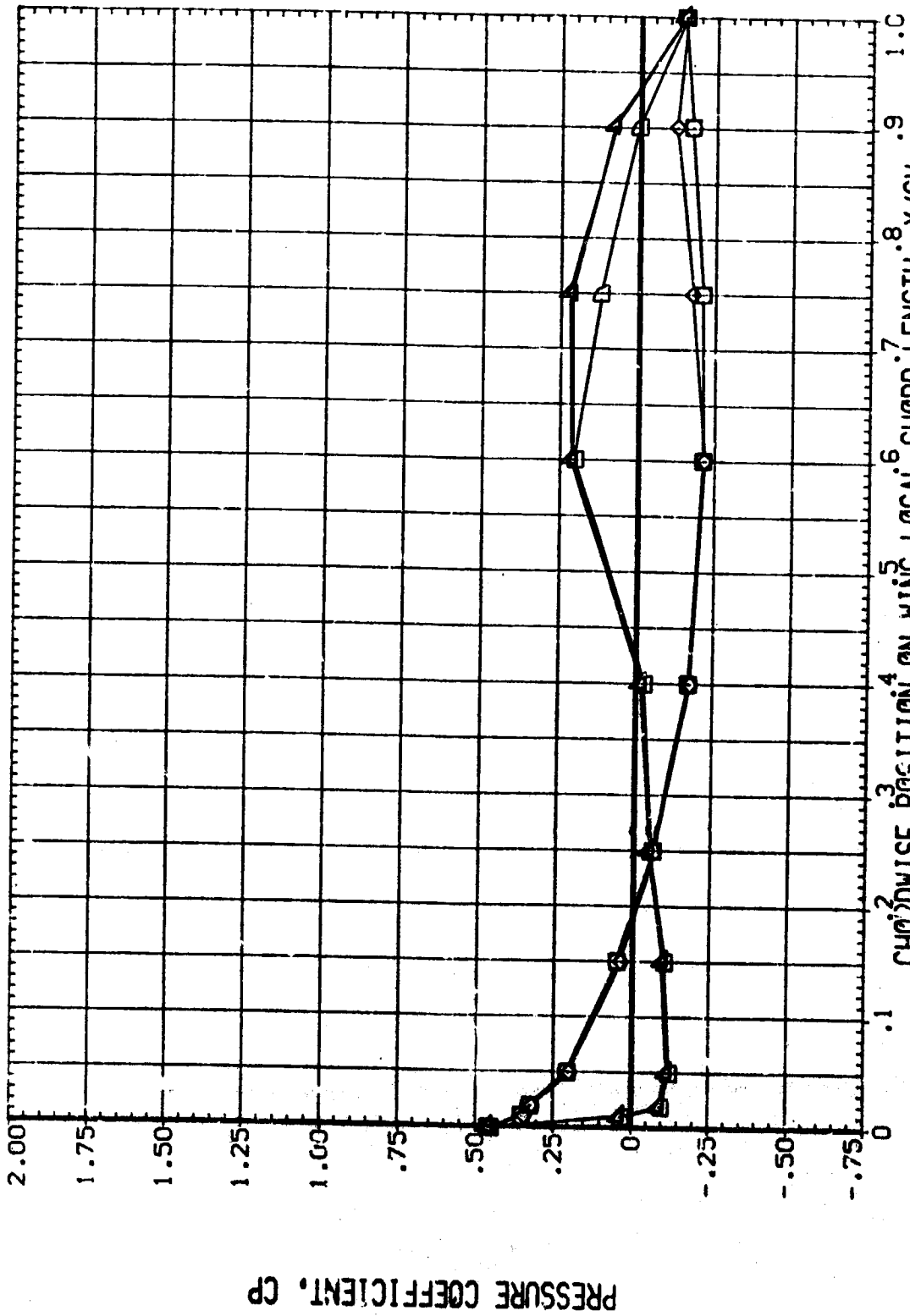


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

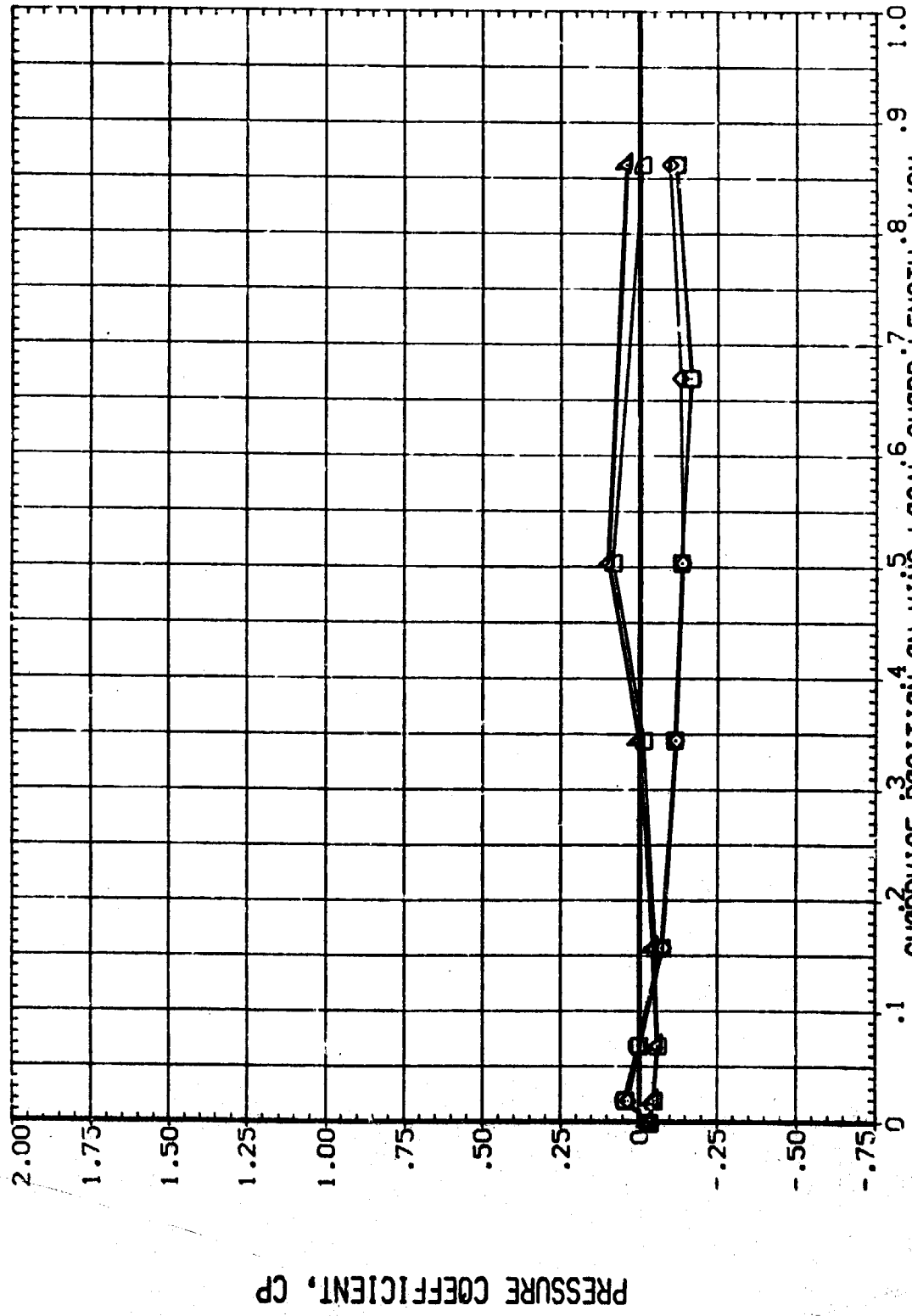
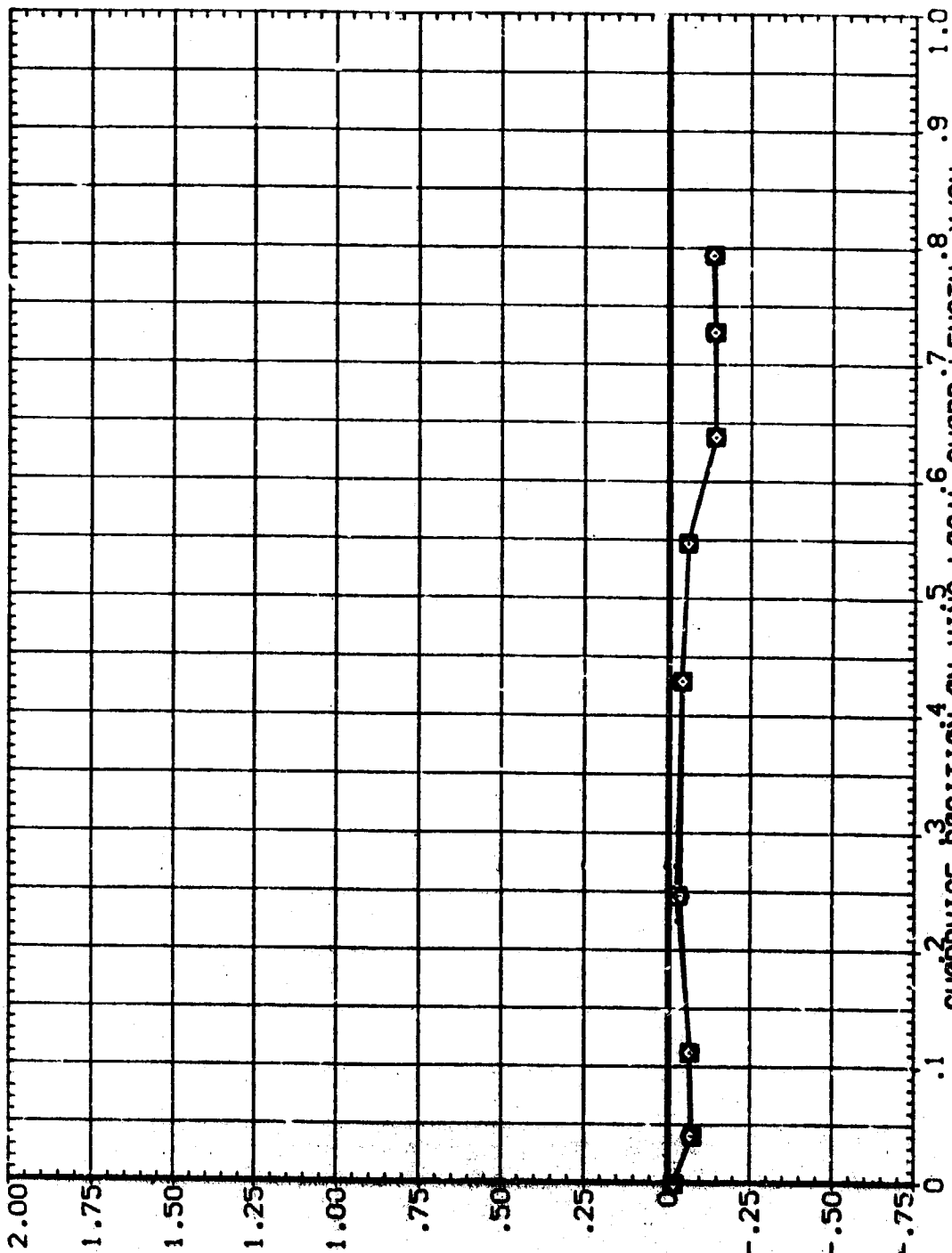


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA= 4.000 BETAG = -4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

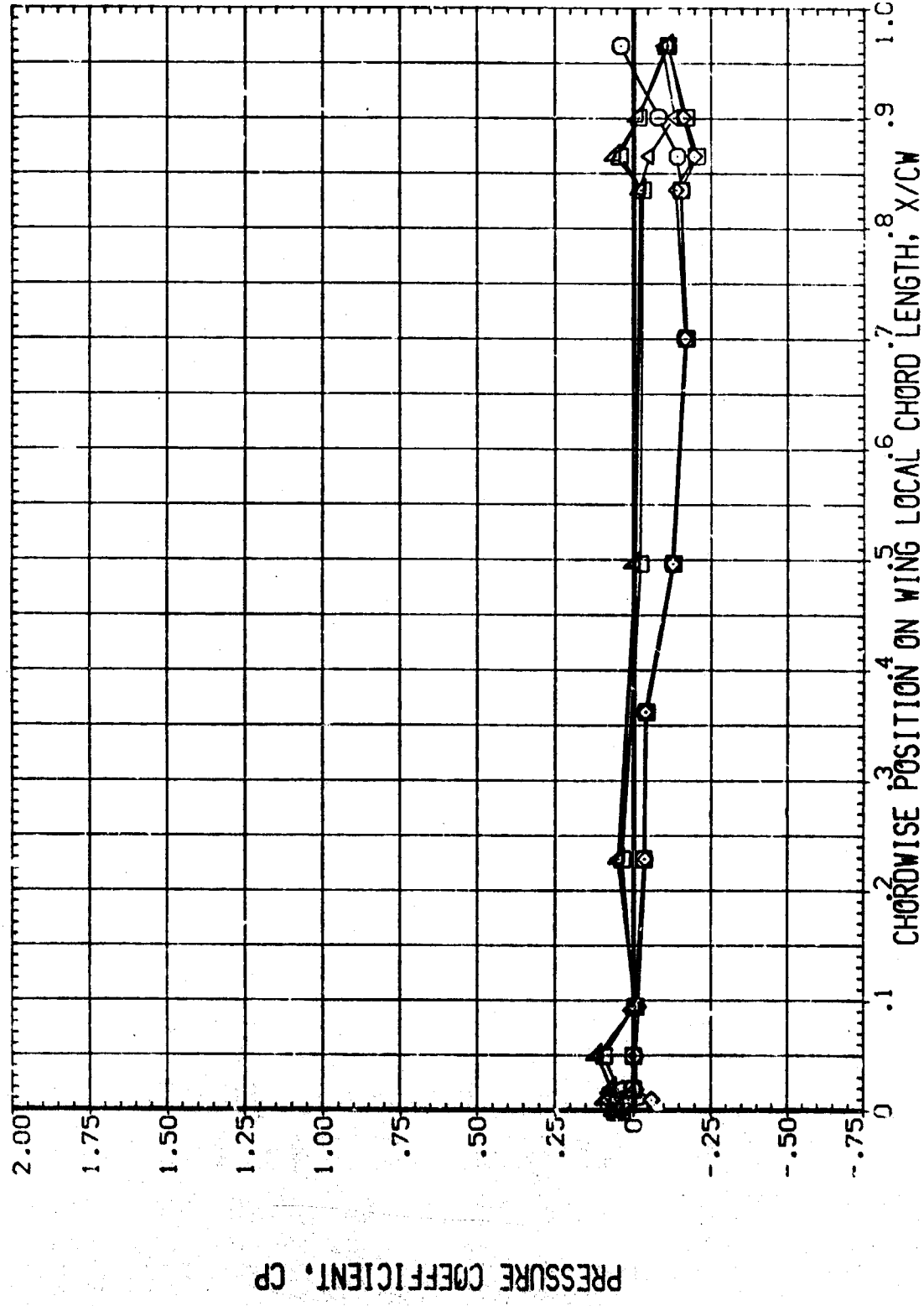
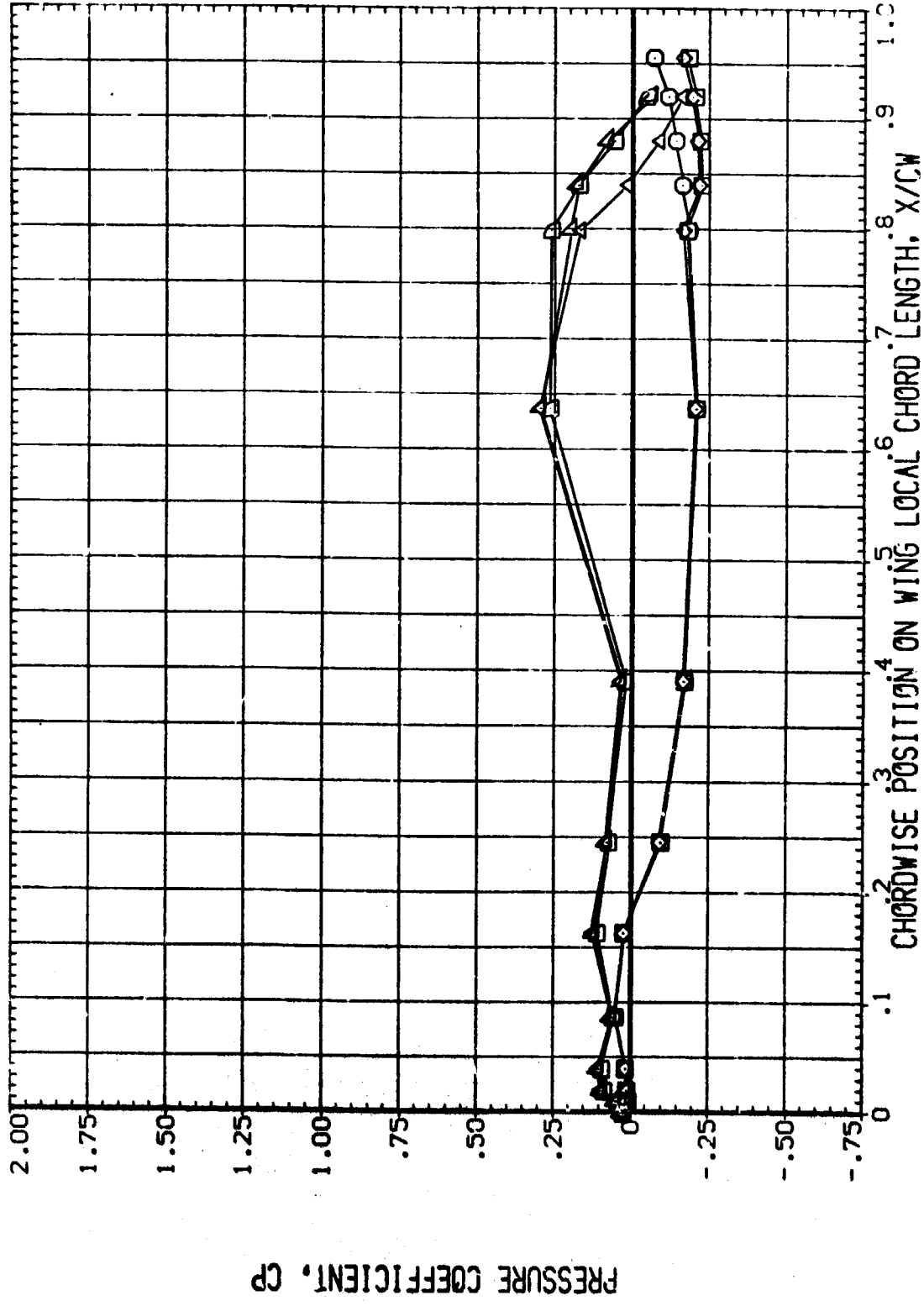


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFICT. SPDBRK = 0. MACH = 2.00
 ALPHA = 4.000 BETA = -4.000 Y/BW = .299 PAGE 1395

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	APC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA = 4.000 BETA = -4.000 Y/BW = .364 PAGE 1396

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

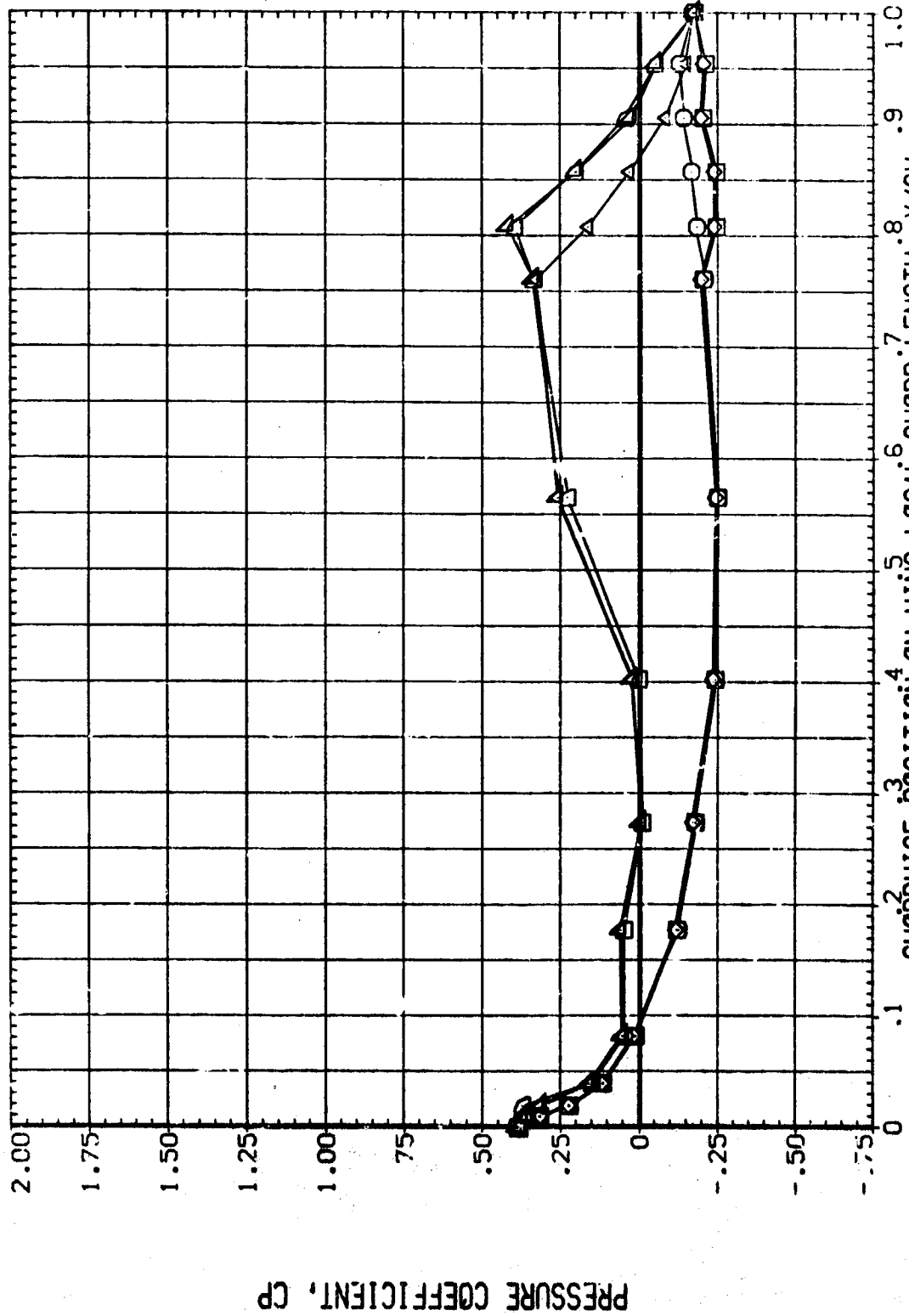


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

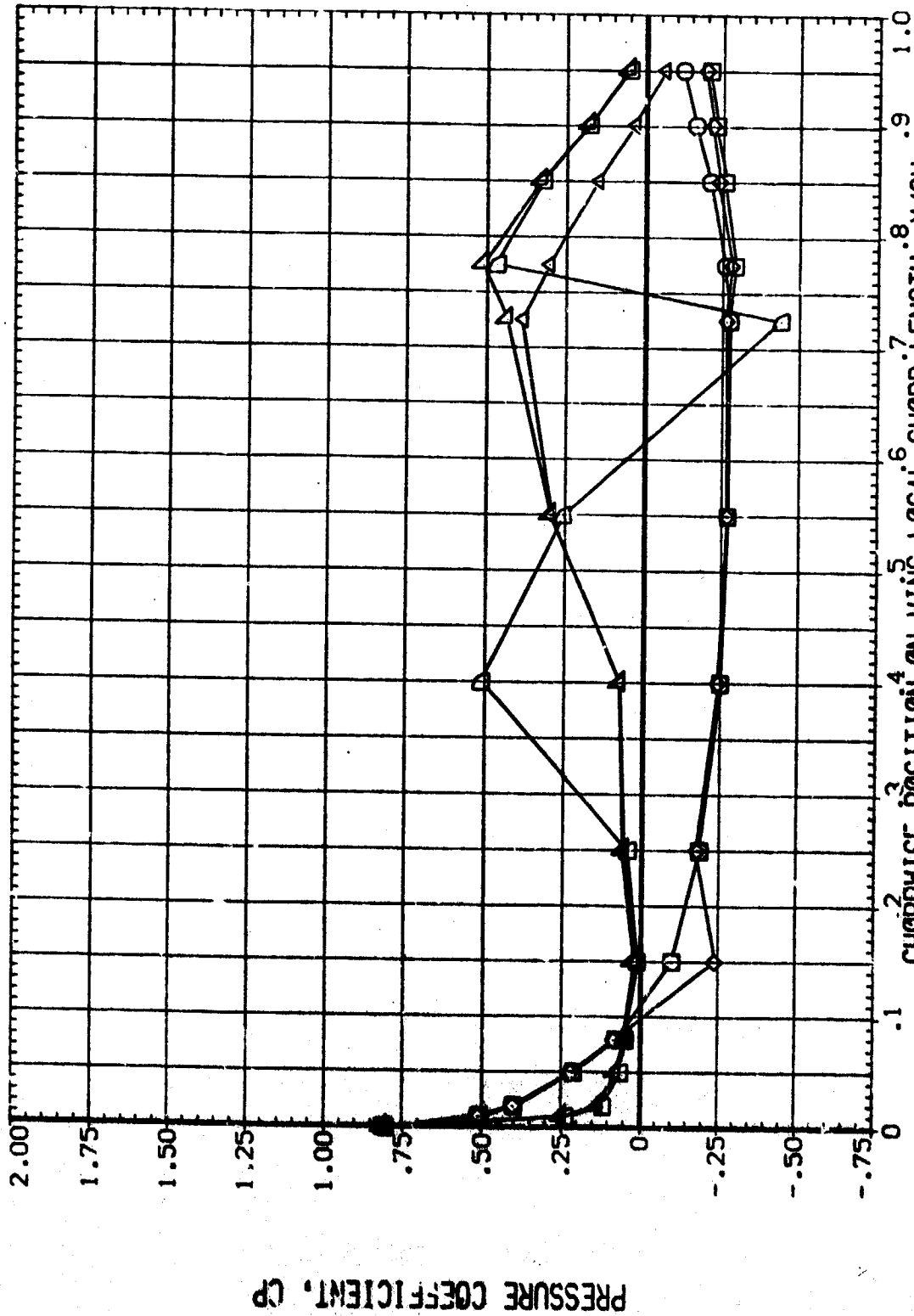


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

ALPHA= 4.000 BETA= -4.000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(JETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

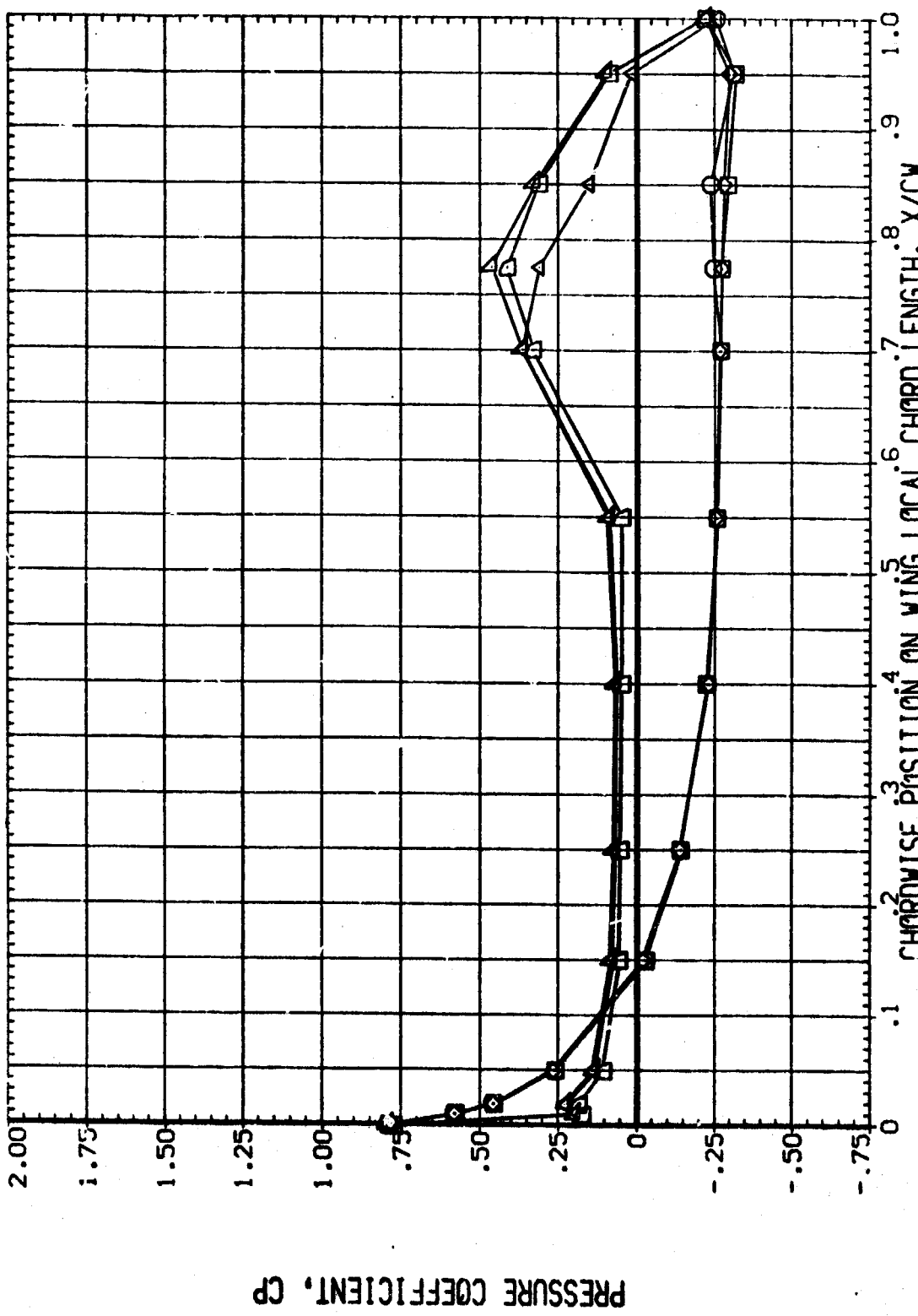


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .673 PAGE 1399

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-19	RM/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL7E)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

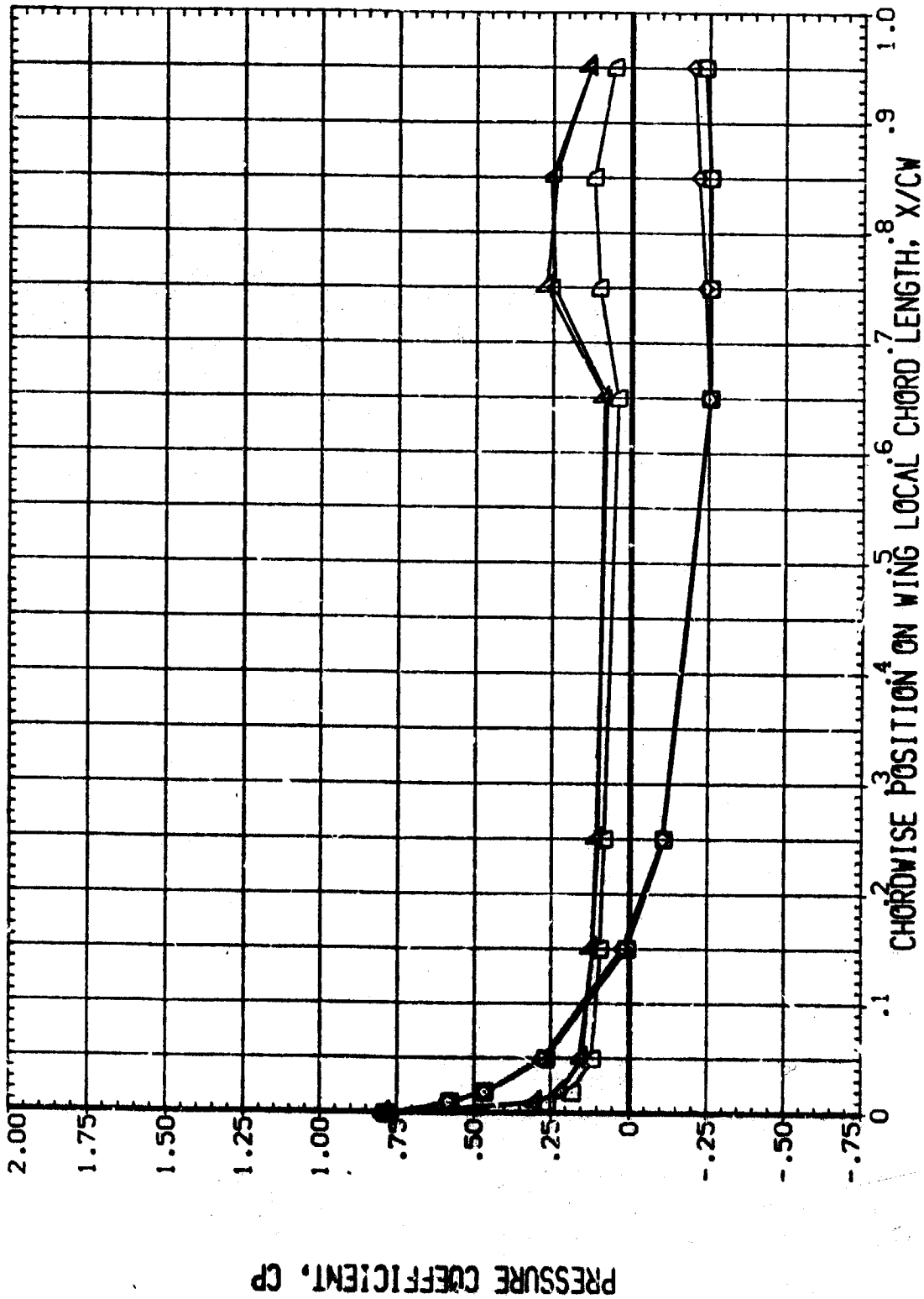


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA = 4.000 BETA = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	*RC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

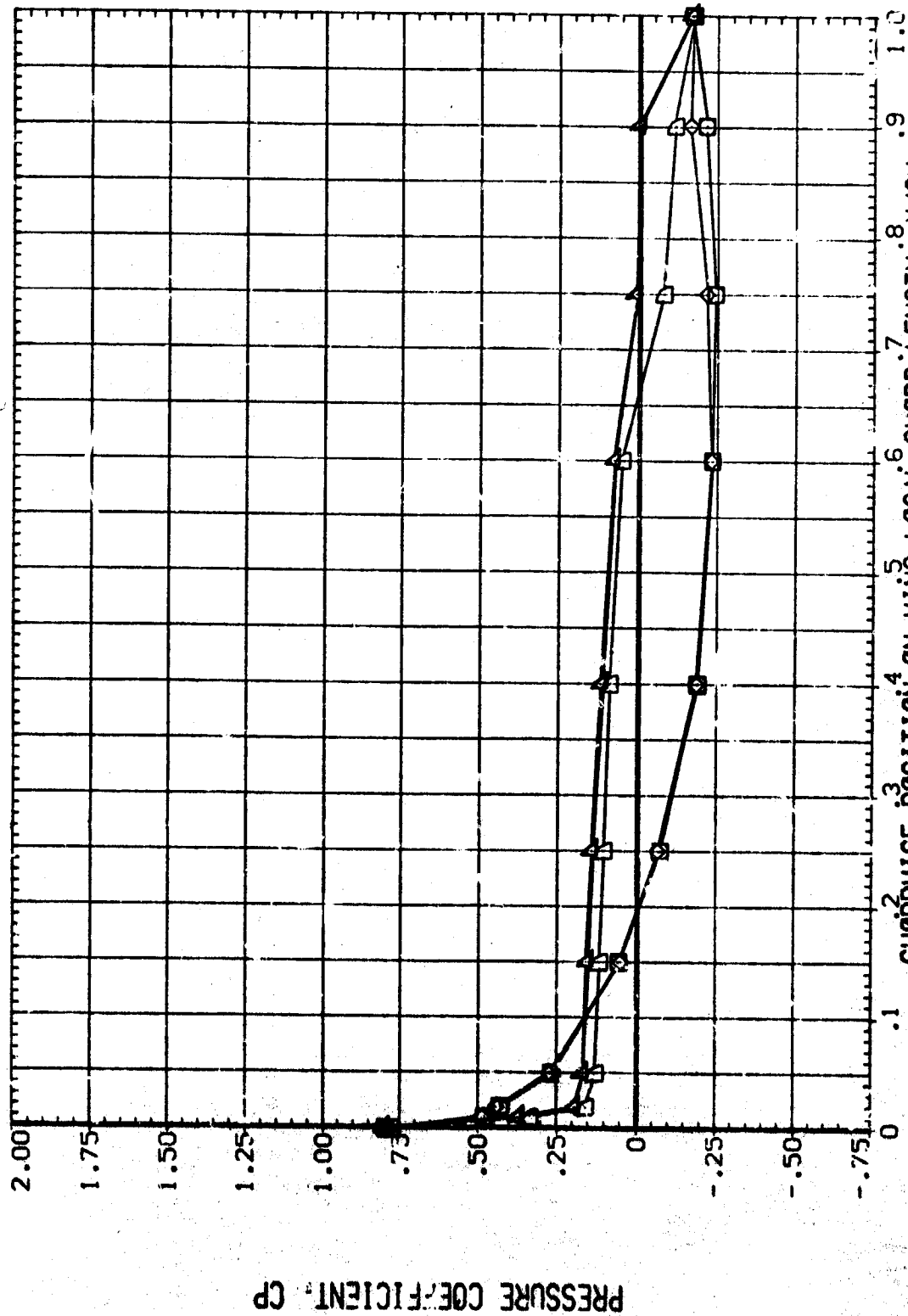
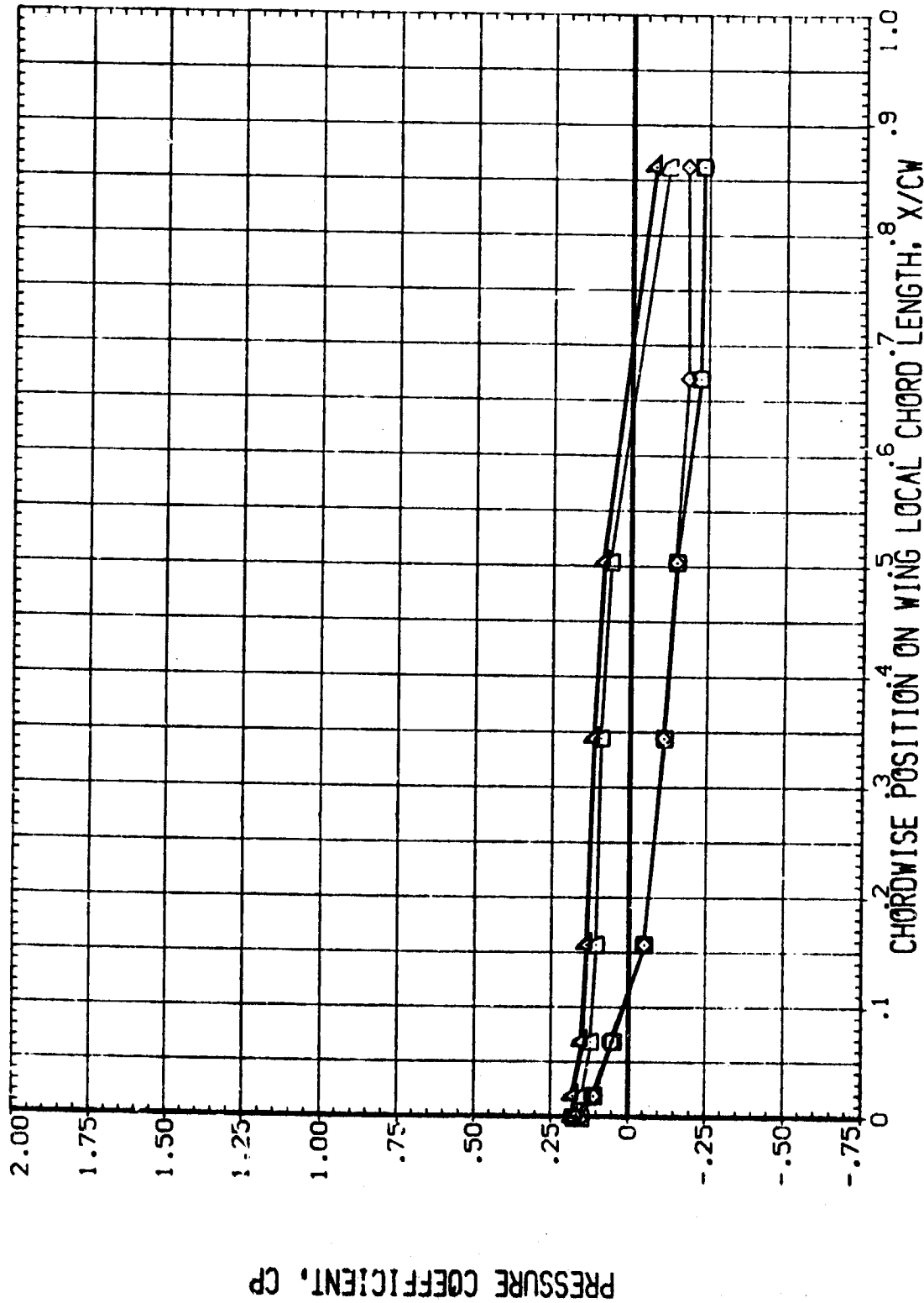


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0, MACH = 2.00

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .887

2-8

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .972 PAGE 1402

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC97-019 (A81 LVAP(ALLHL SEALED))	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 (A81 LVAP(ALLHL SEALED))	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 (A81 LVAP(ALLHL SEALED))	2.000	8.000	2.500	-4.000
(1ETL40)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1ETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(1ETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

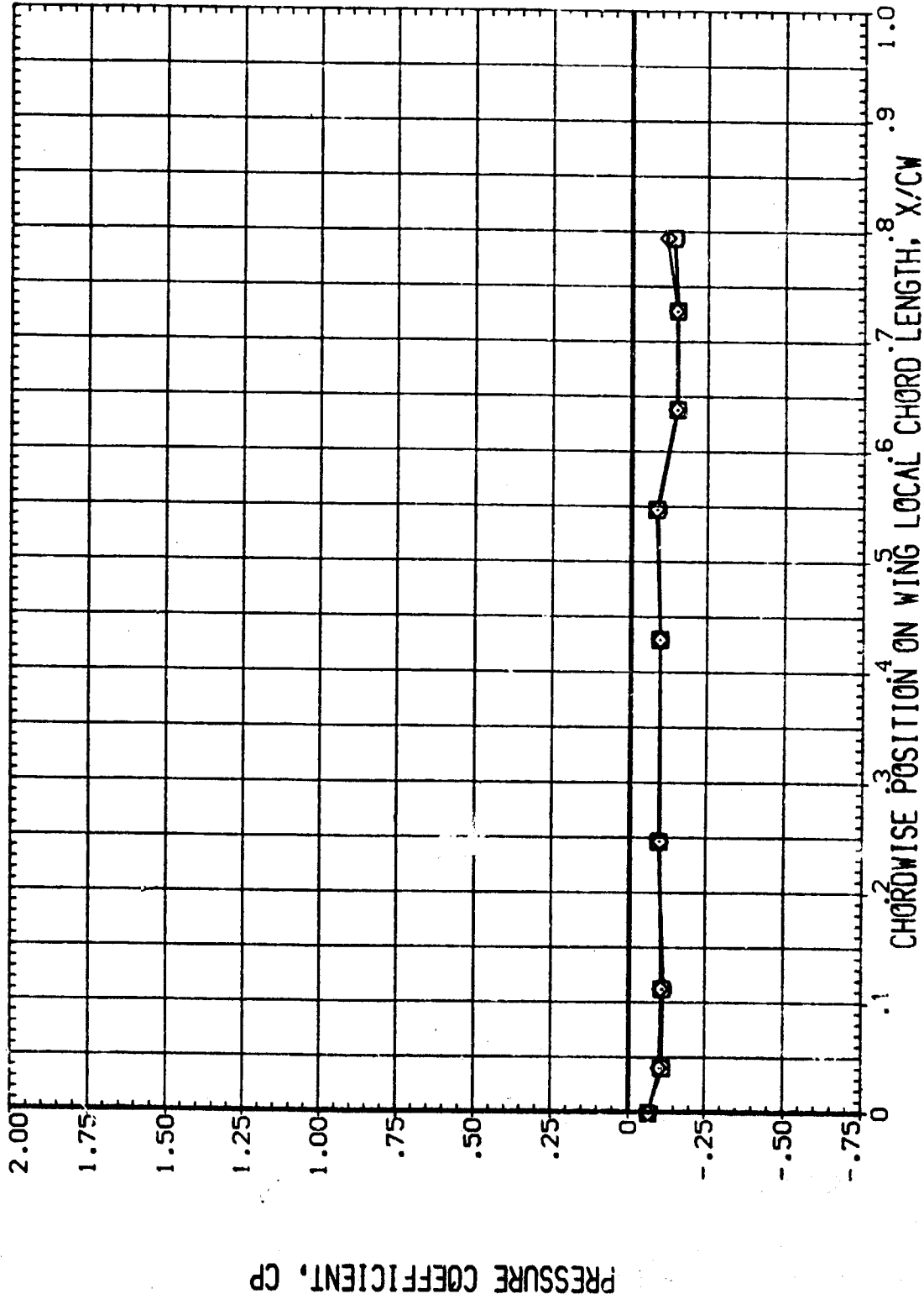


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(IETU40)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING TOP	MACH	ELV-1B	ELV-0B
(IETU44)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING TOP	2.000	.000	.000
(IETU36)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING TOP	2.000	8.000	.000
(IETL40)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING BOT.	2.000	.000	-4.000
(IETL44)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING BOT.	2.000	8.000	.000
(IETL36)	ARC97-019	IAB1	LVAP(ALLHL SEALED)	LEFT WING BOT.	2.000	8.000	-4.000

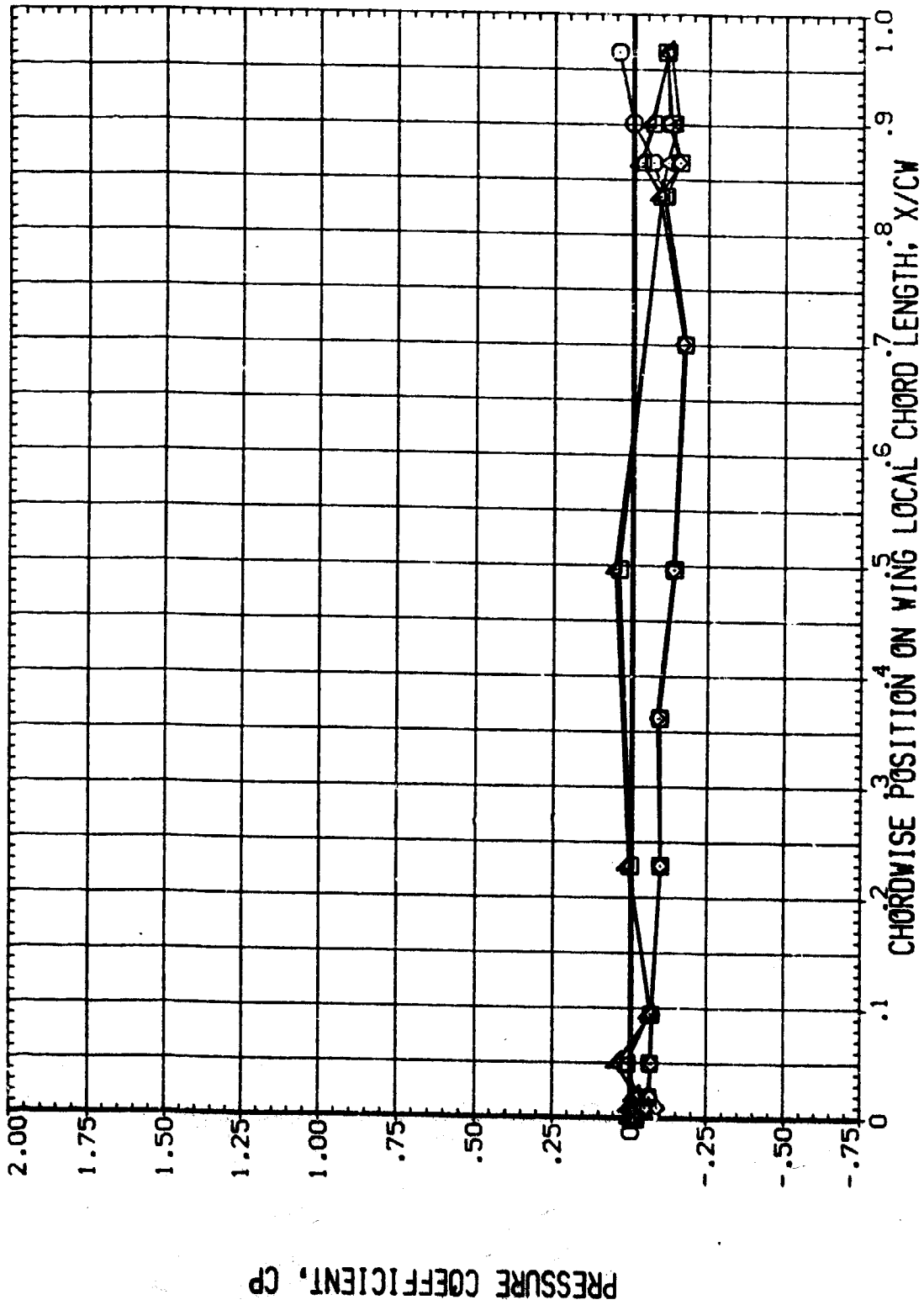


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

ALPHA= 4.000 BETA= .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(TU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(TU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(TET36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(TET40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(TET44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(TET36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

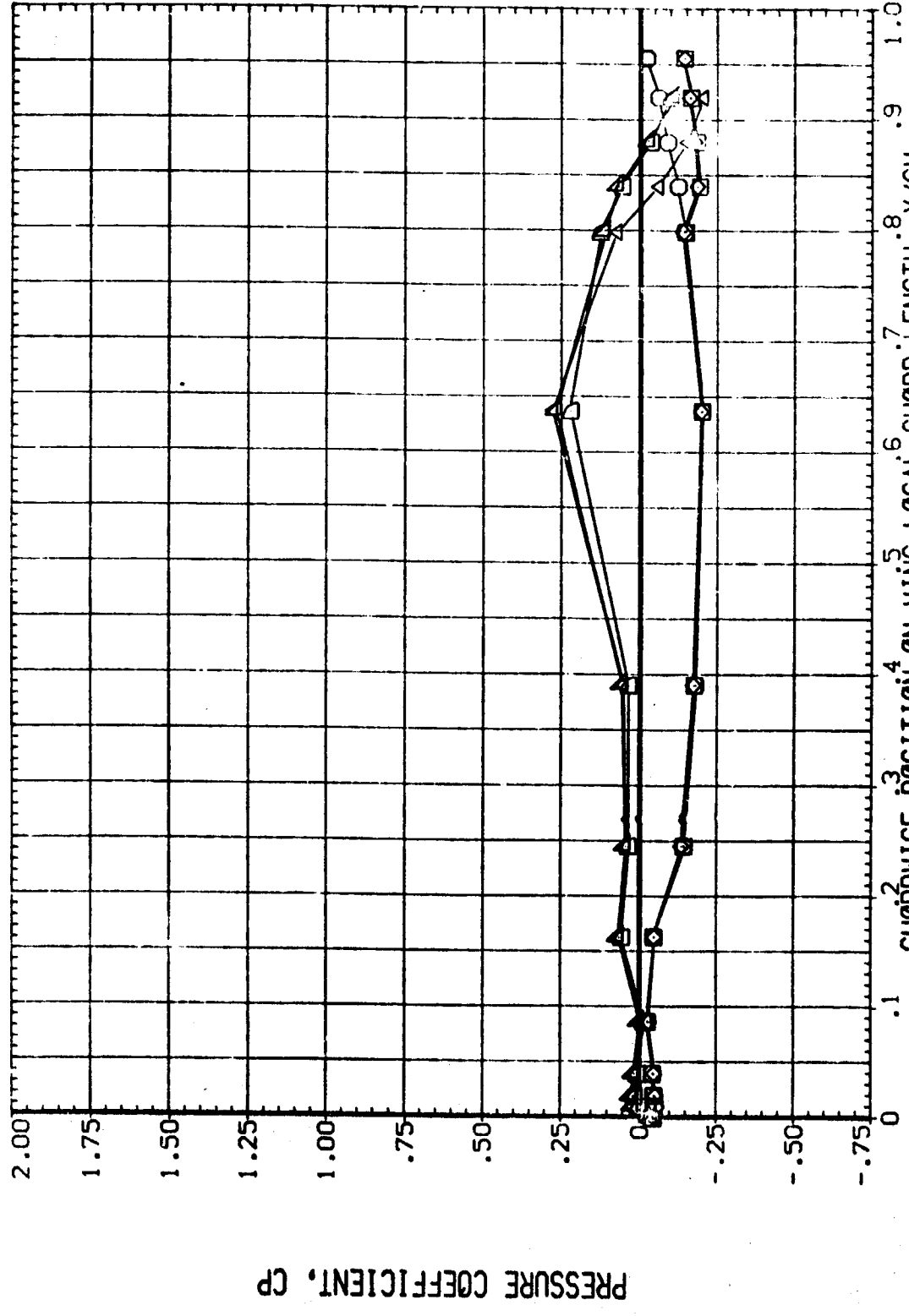


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .364 PAGE 1405

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-TB	RN/FT	ELV-DB
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

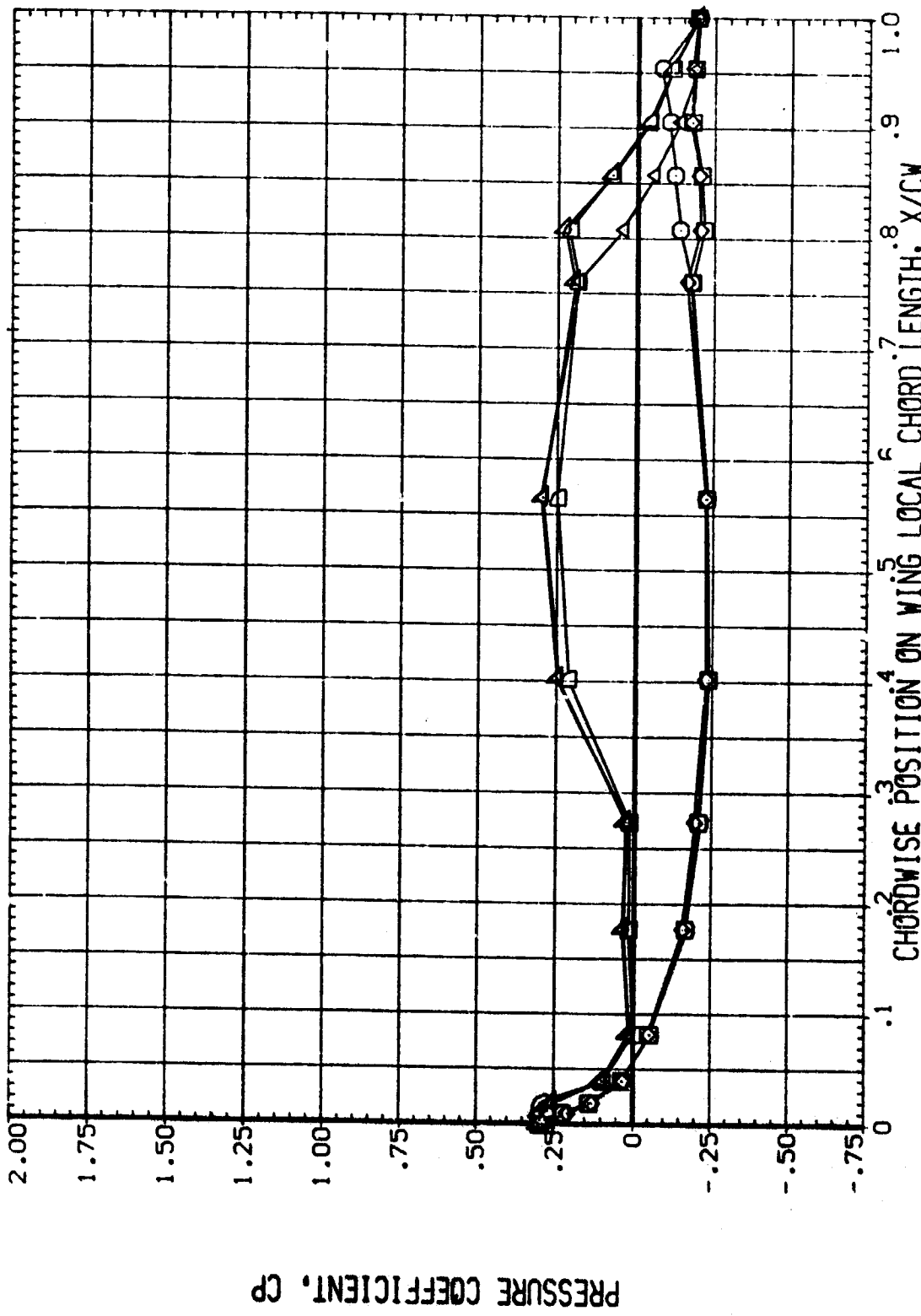


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.00
 ALPHA = 4.000 BETA = .000 Y/BW = .427 PAGE 1406

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(15TU40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(15TU44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(15TU36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(15TL40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(15TL44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(15TL36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

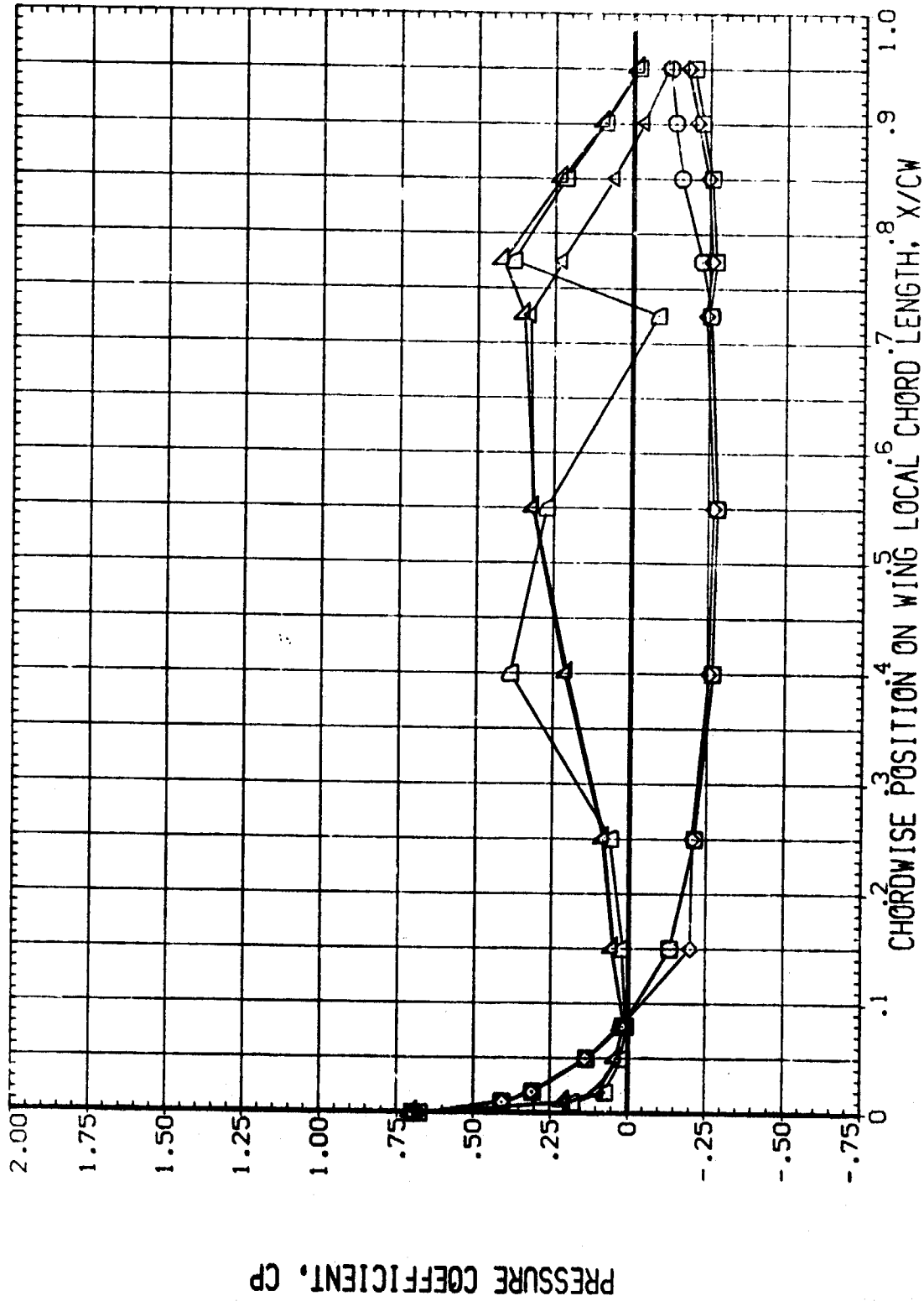


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .534 PAGE 1407

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU40)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(JETU44)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP:ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

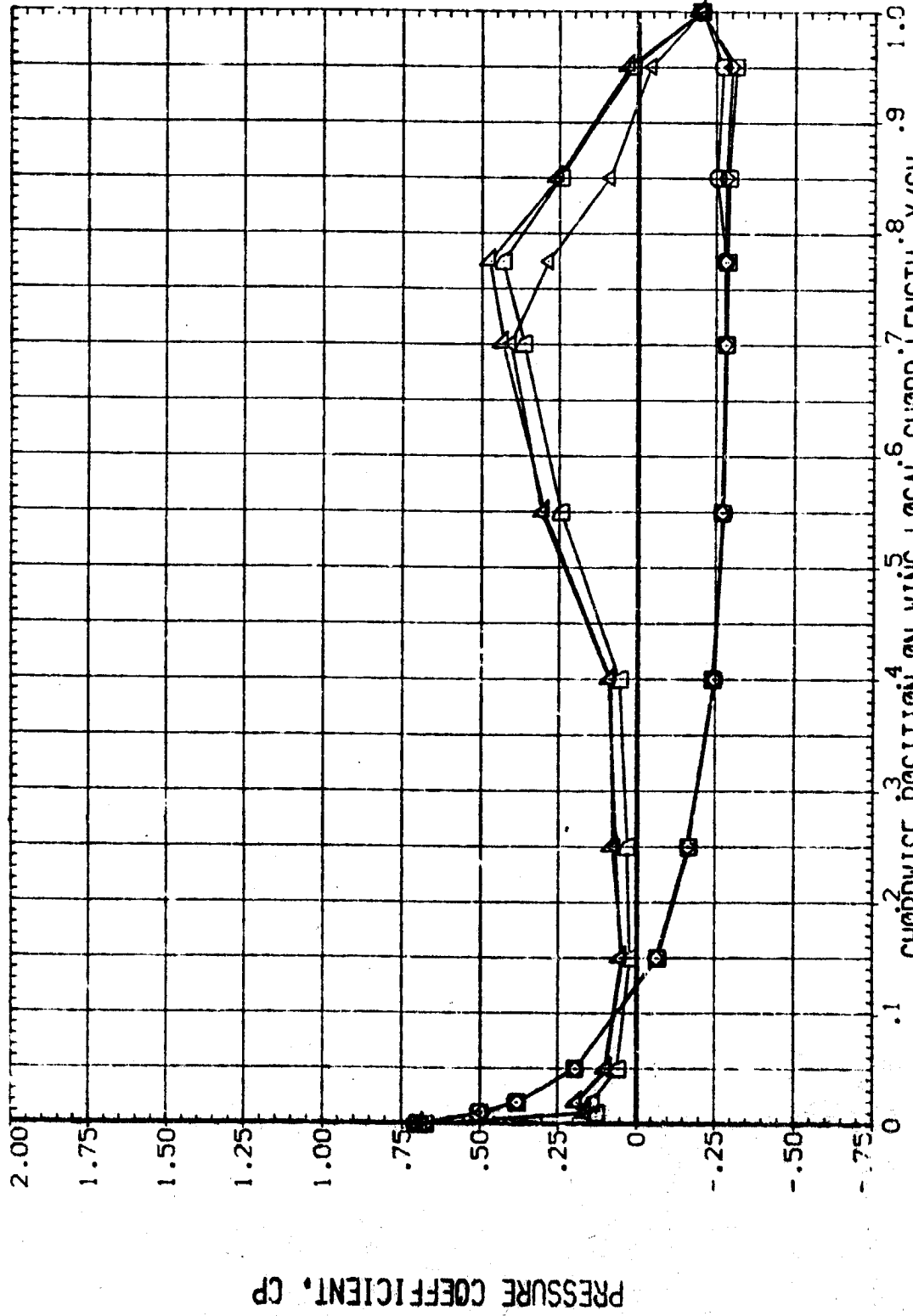


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.00

ALPHA0 = 4.000 BETA0 = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(:ETU40)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(:ETU44)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(:ETU36)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(:ETL4C)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(:ETL44)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(:ETL36)	ARC97-019 IAB1 LVAP(CALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

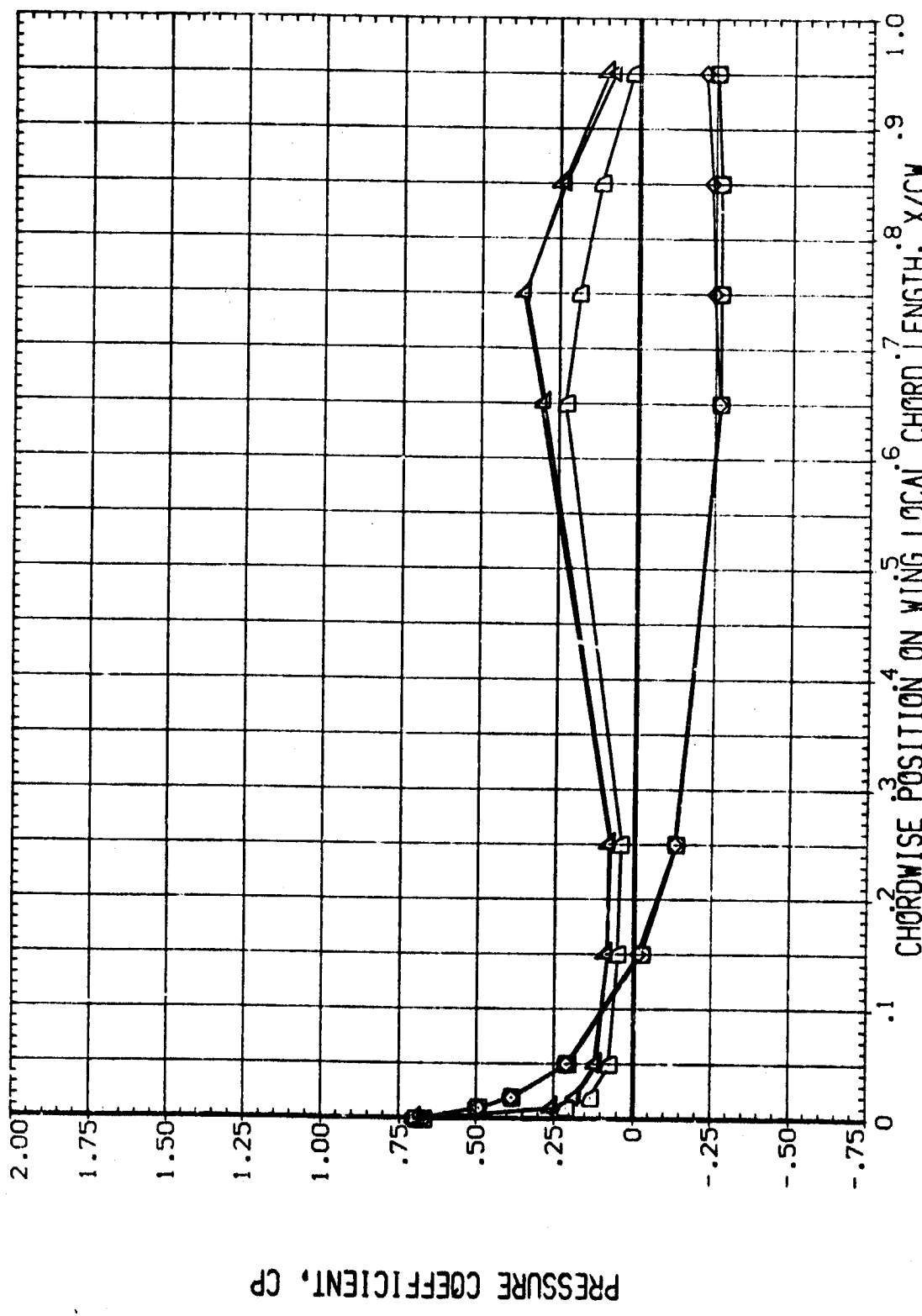


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(TETU40) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (TETU44) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (TETU36) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (TETL40) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (TETL44) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (TETL36) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.

MACH 2.000 2.000 2.000 2.000 2.000
 ELV-1B .000 8.000 8.000 .000 8.000
 RN/FT 2.500 2.500 2.500 -4.000 2.500
 ELV-08 .000 .000 .000 .000 .000

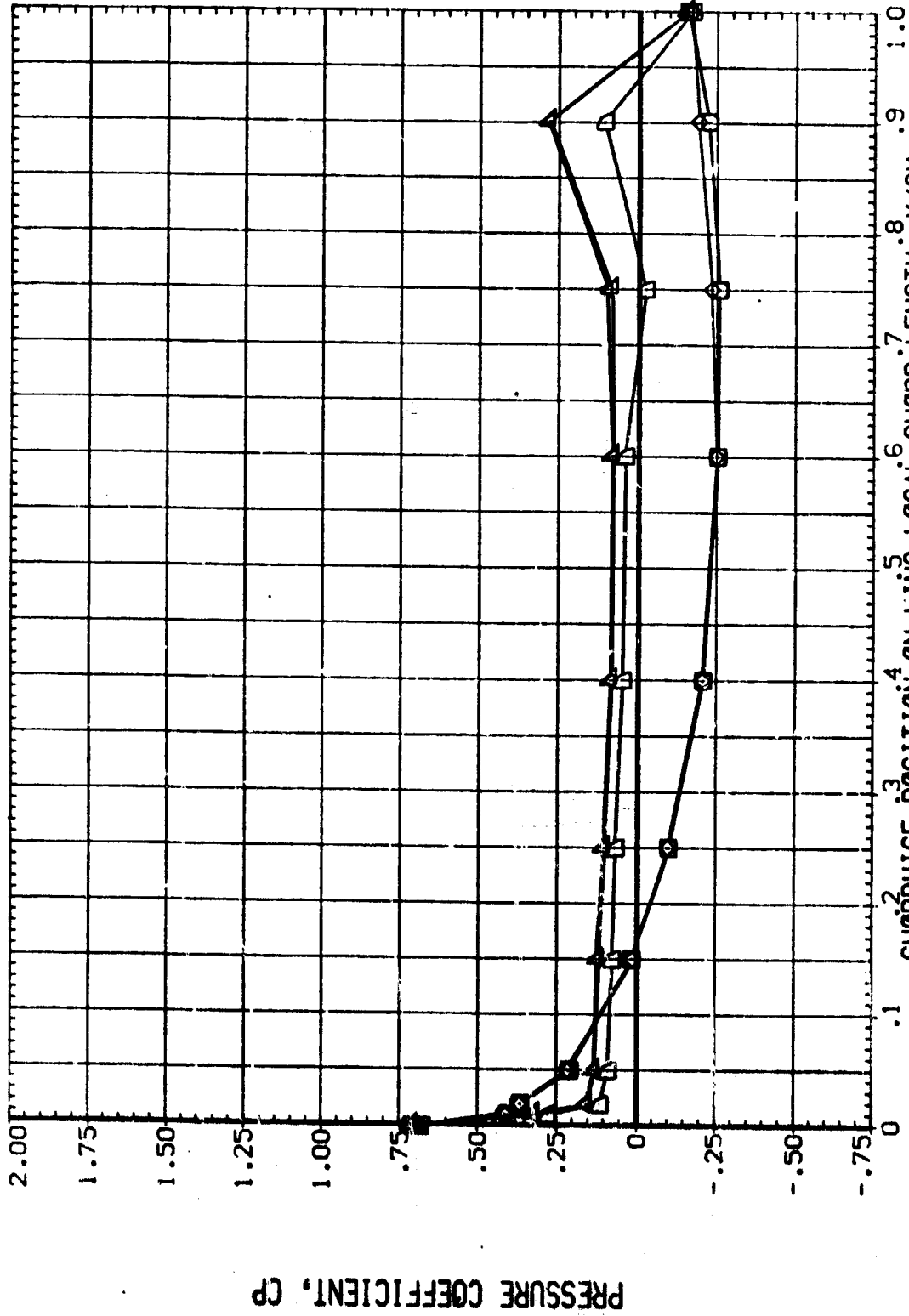


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA= 4.000 BETA= .000 Y/BW = .887 PAGE 1410

DATA SET SVNS	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/ST	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

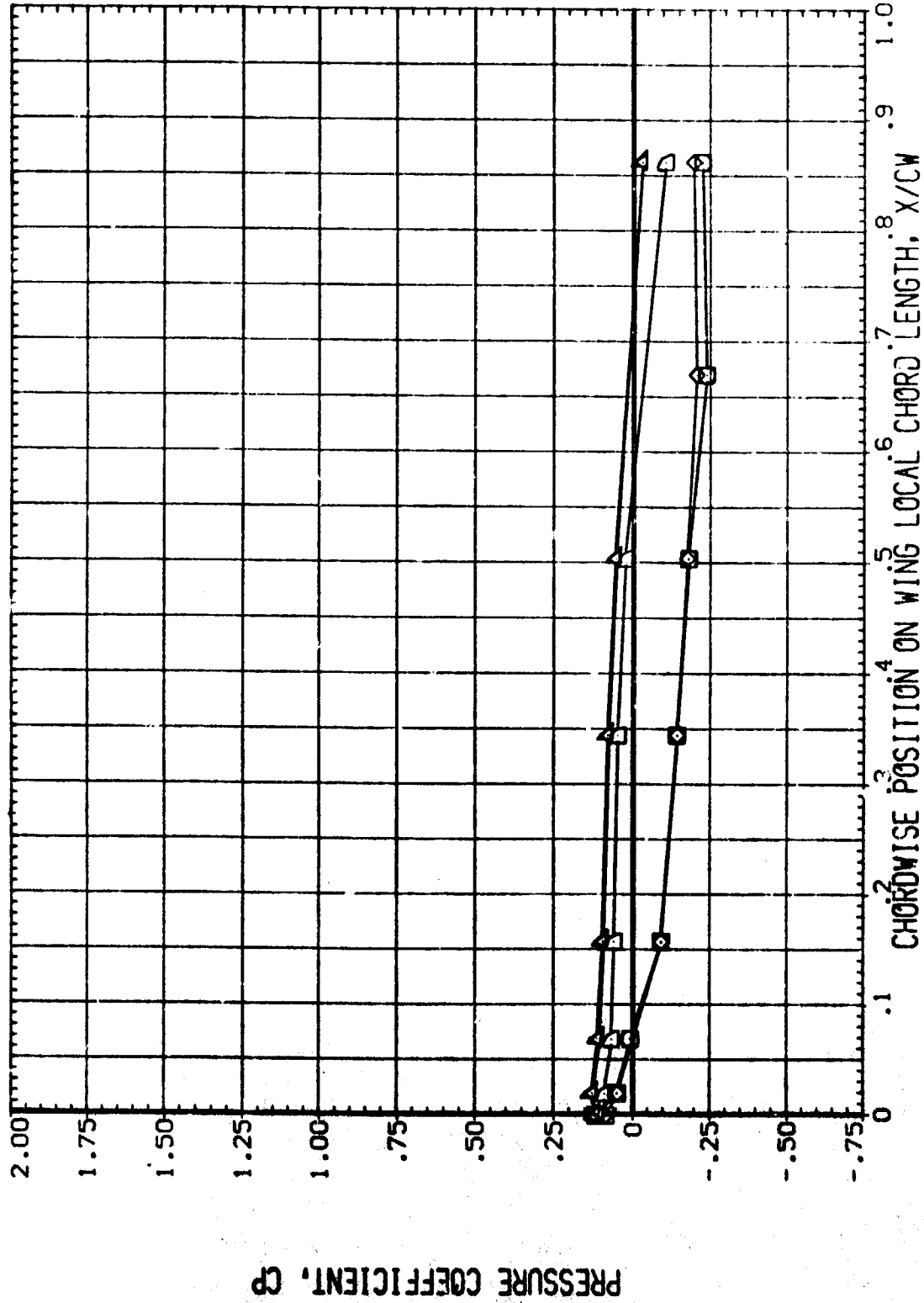


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .972 PAGE 1411

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-09
(IETU40)	ARC97-019 1A81 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 1A81 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU26)	ARC97-019 1A81 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	DATA NOT AVAILABLE	2.000	.000	2.500	.000
(IETL44)	DATA NOT AVAILABLE	2.000	8.000	2.500	.000
(IETL36)	DATA NOT AVAILABLE	2.000	8.000	2.500	-4.000

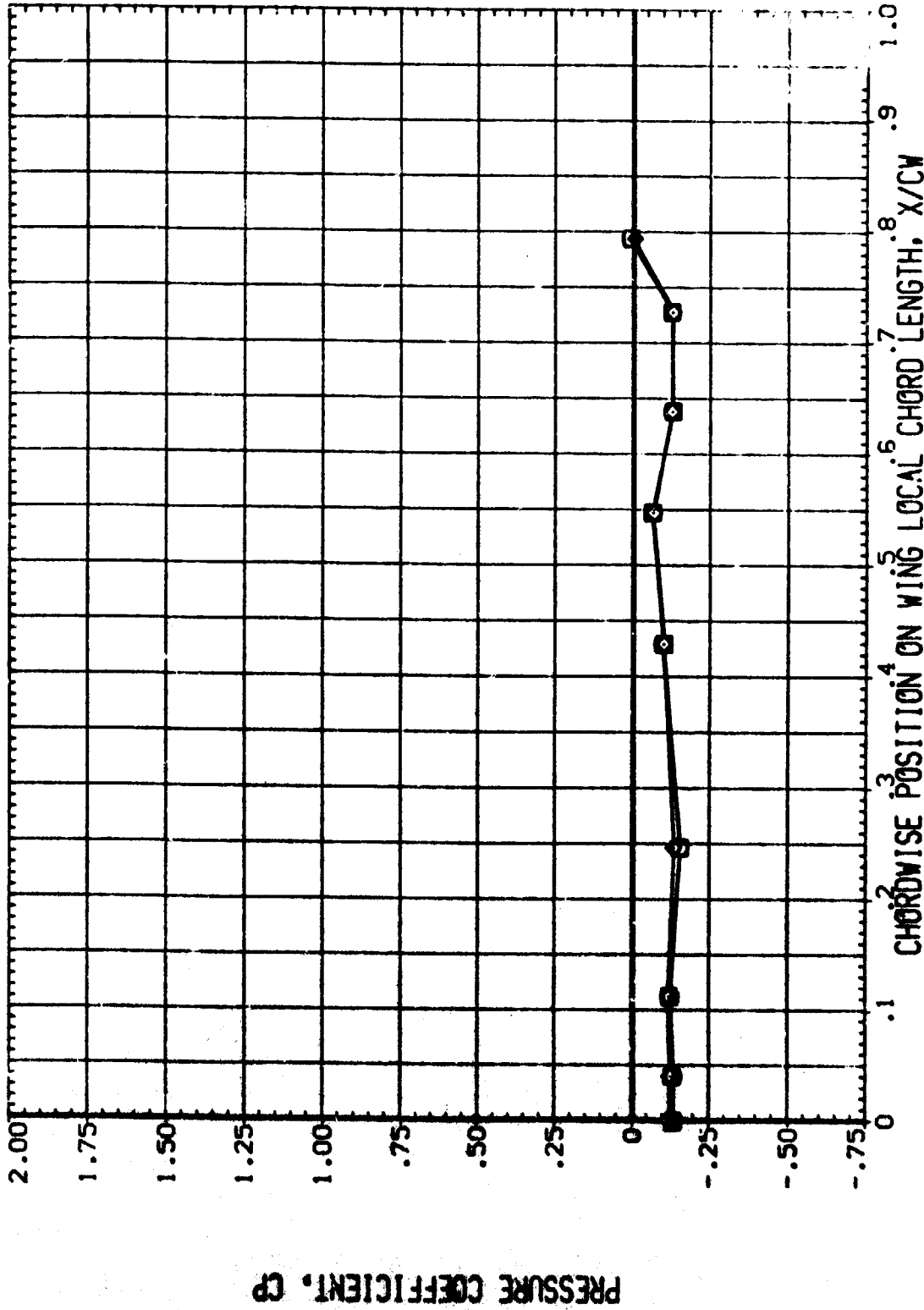


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00

ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1E1U40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1E1U44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1E1U36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1E1L40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1E1L44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1E1L36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

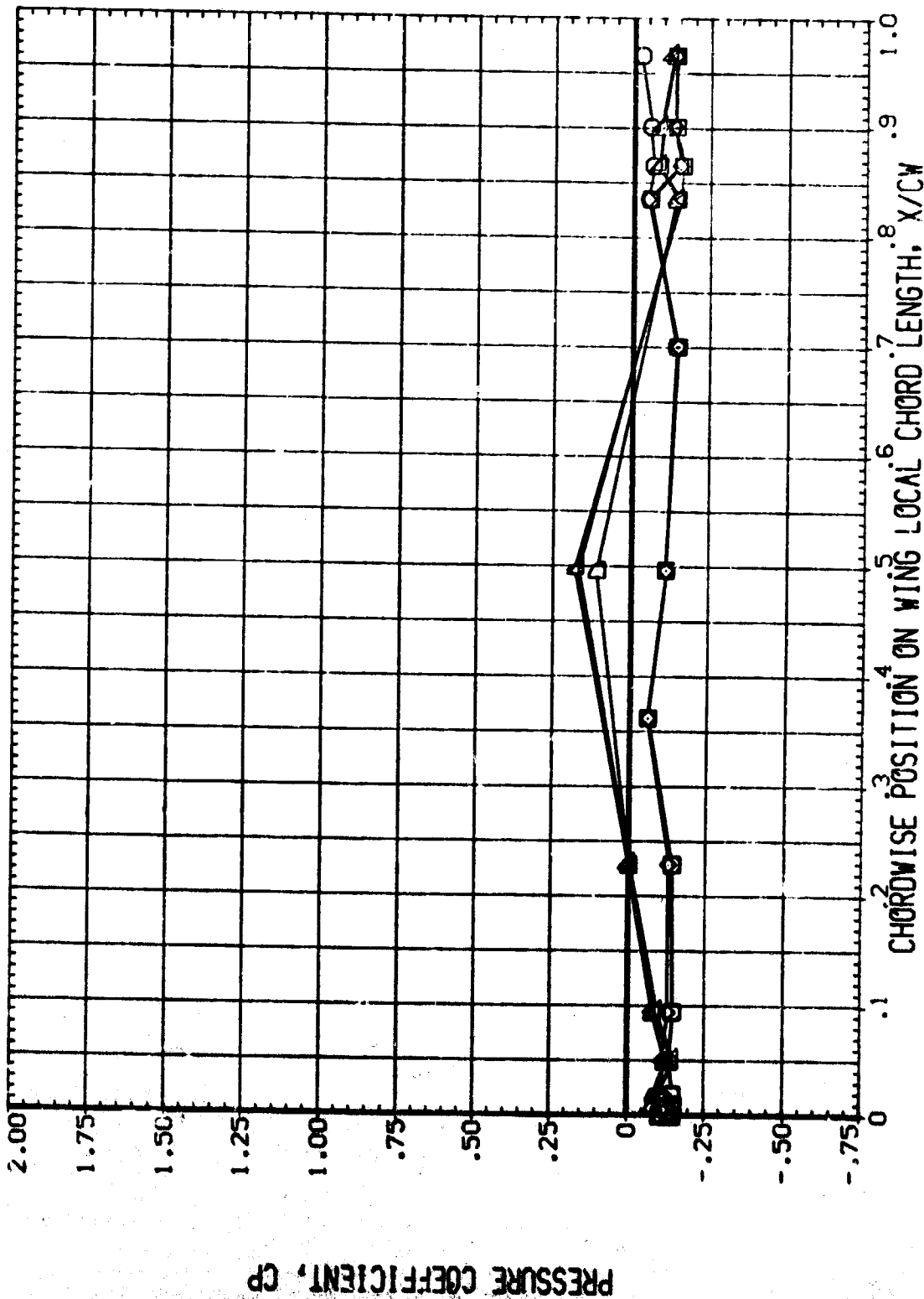


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU56)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

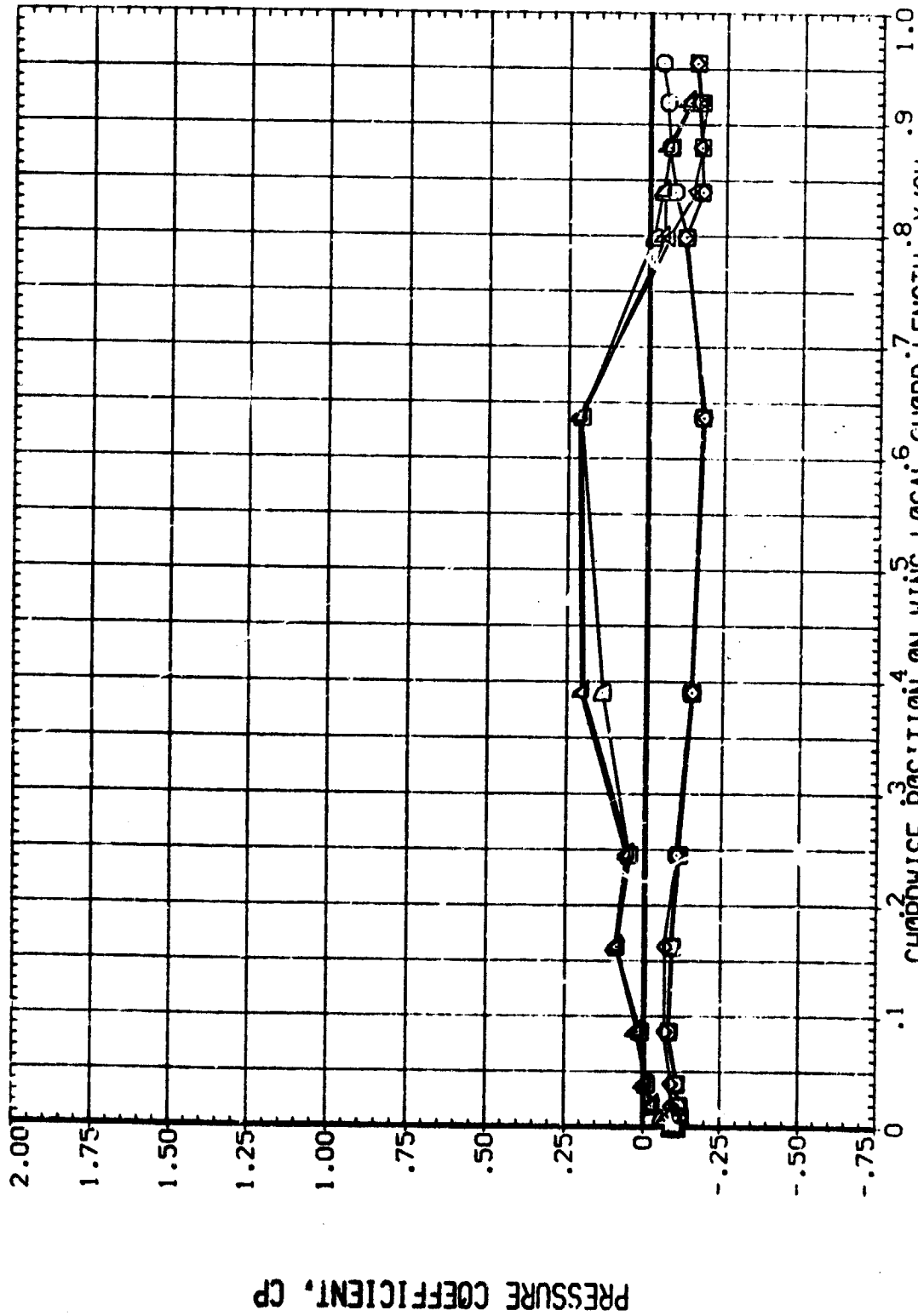


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA = 4.000 BETAG = 4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV.-18	RN/FT	ELV.-08
(1E U40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1E U44)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1E U36)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1E TL40)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1E TL44)	ARC97-019 [A9] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1E TL36)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

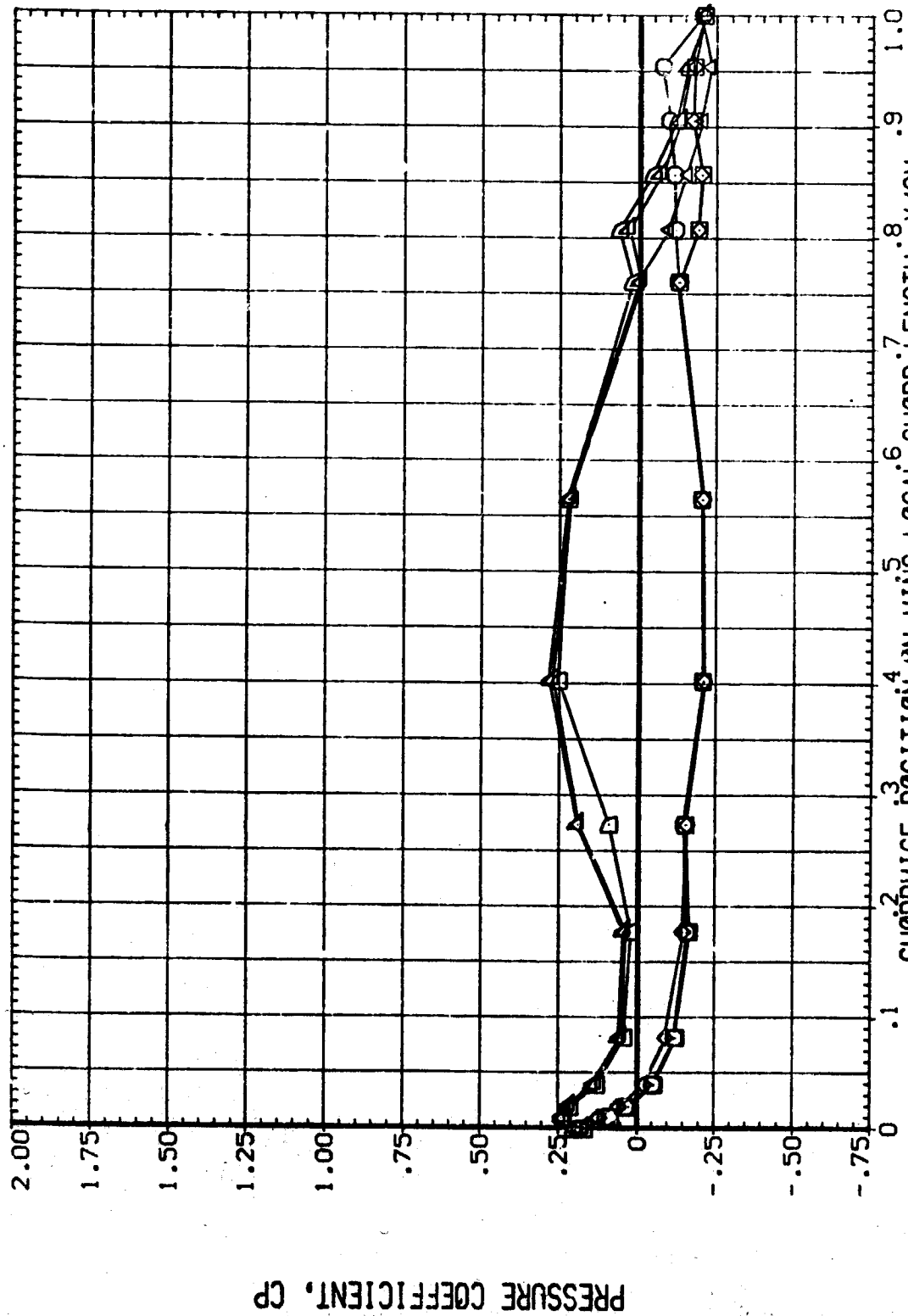


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(JETU44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(JETU36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(JETL40)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(JETL44)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

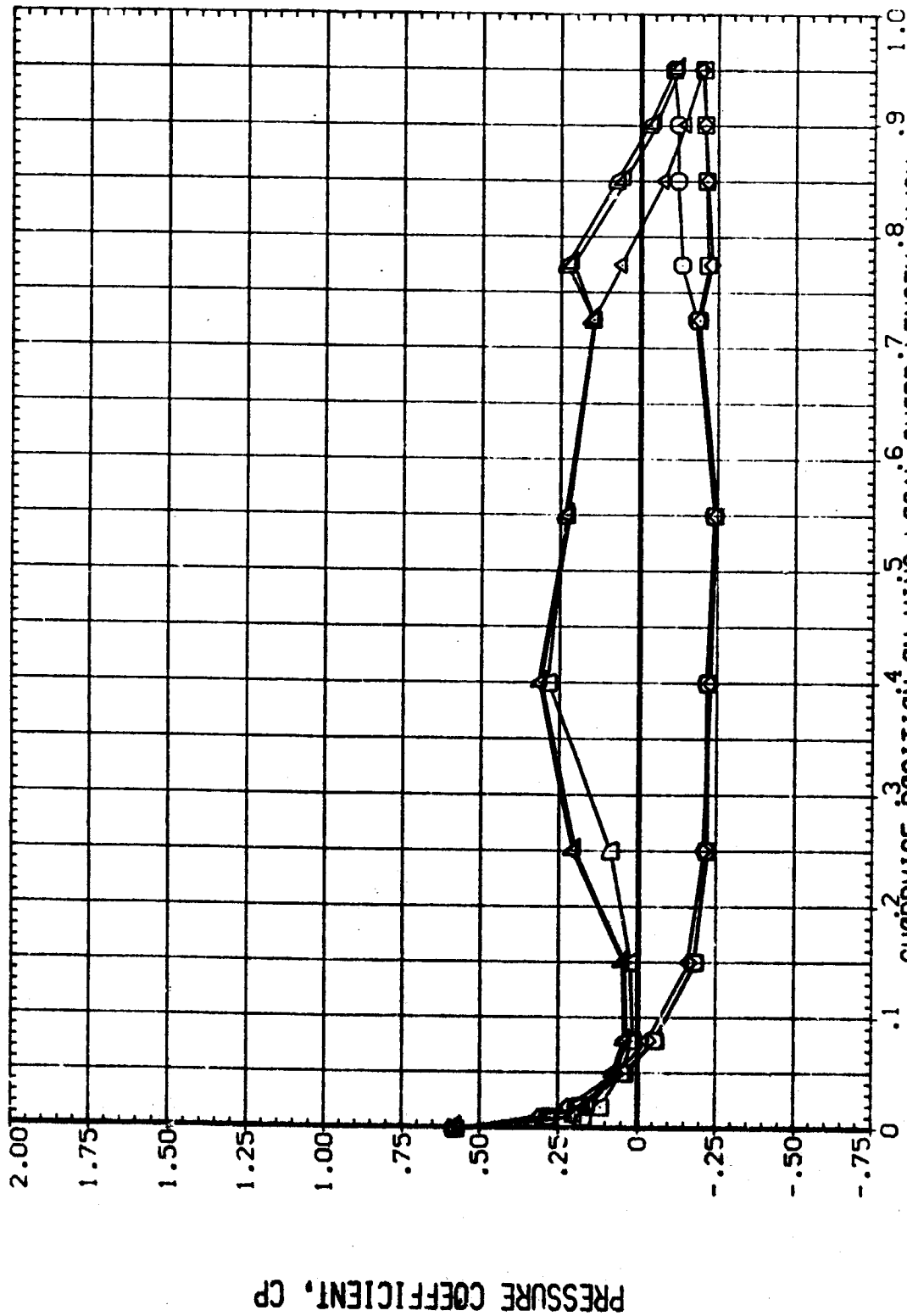
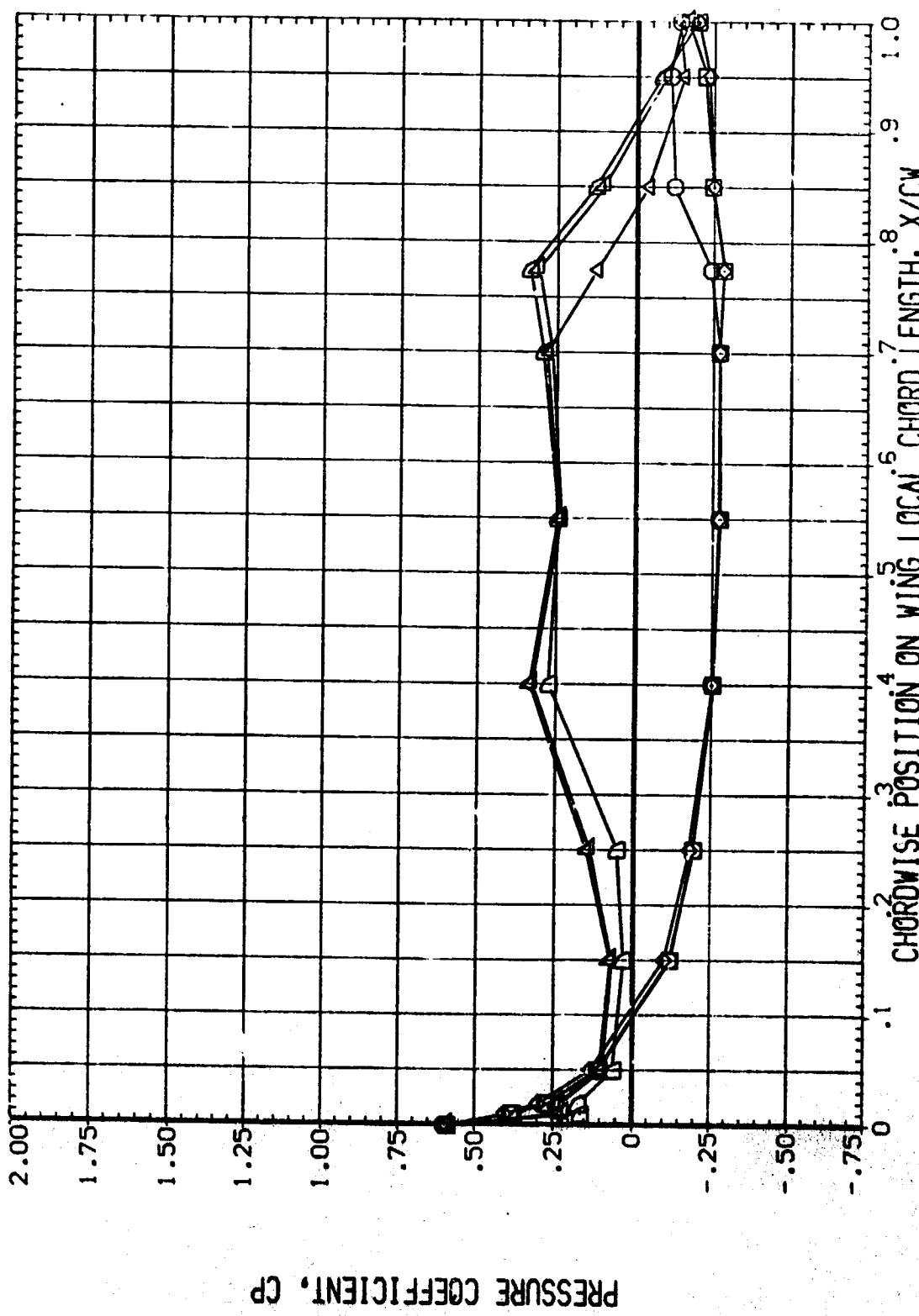


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .534 PAGE 1416

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IE1040)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IE1044)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IE1036)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IE1L40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IE1L44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IE1L36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .673 PAGE 1417

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(1ETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(1ETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

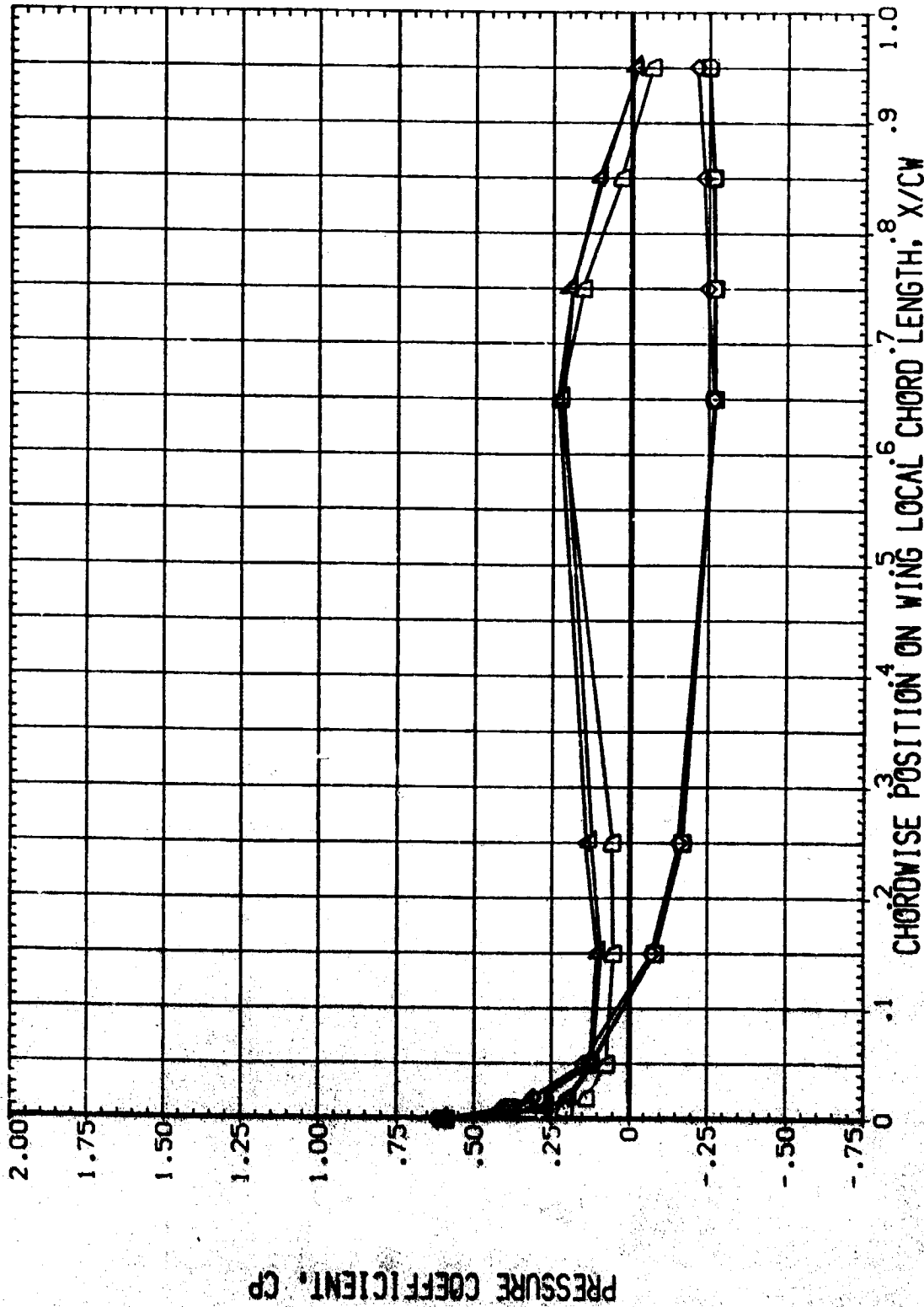


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

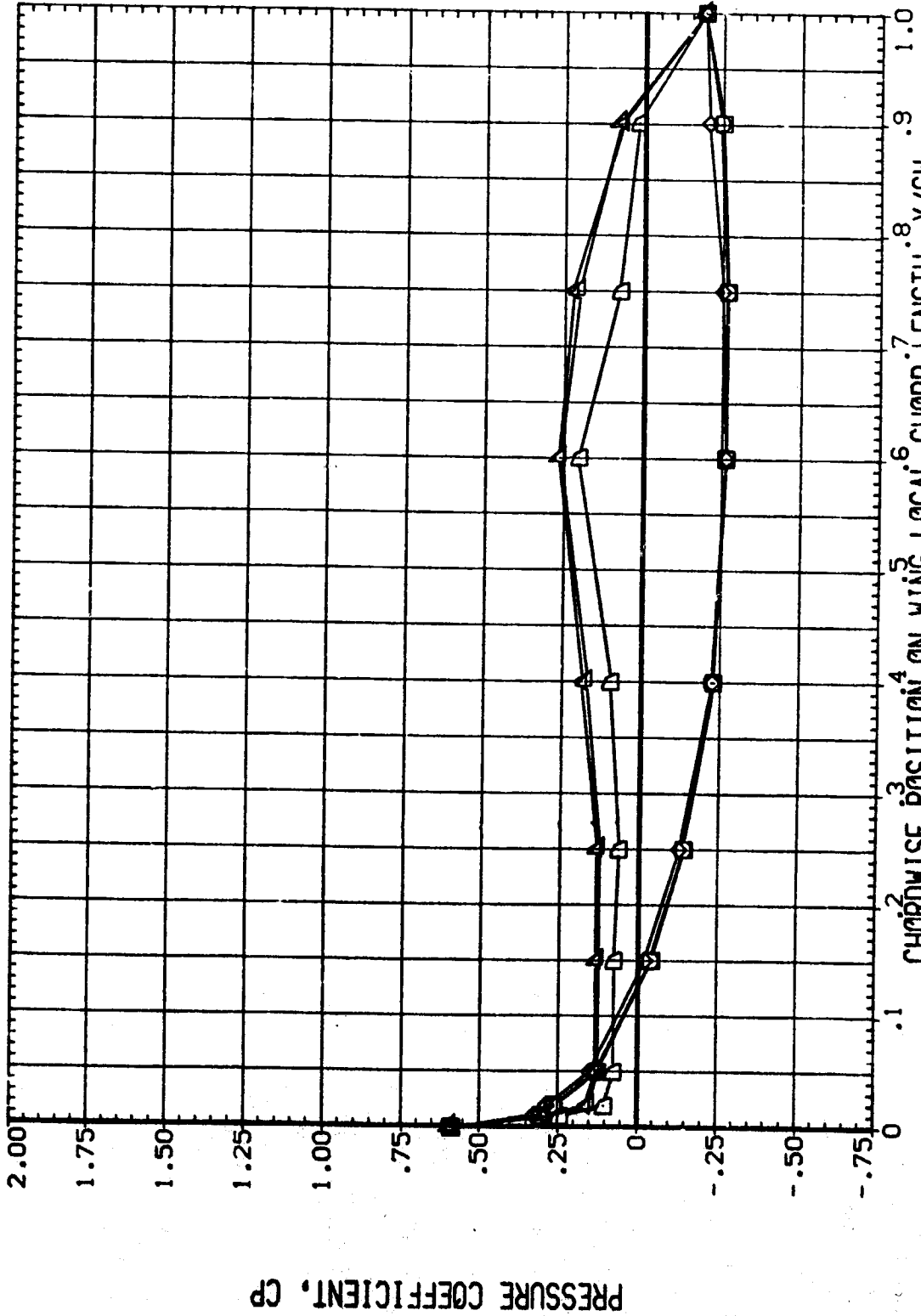
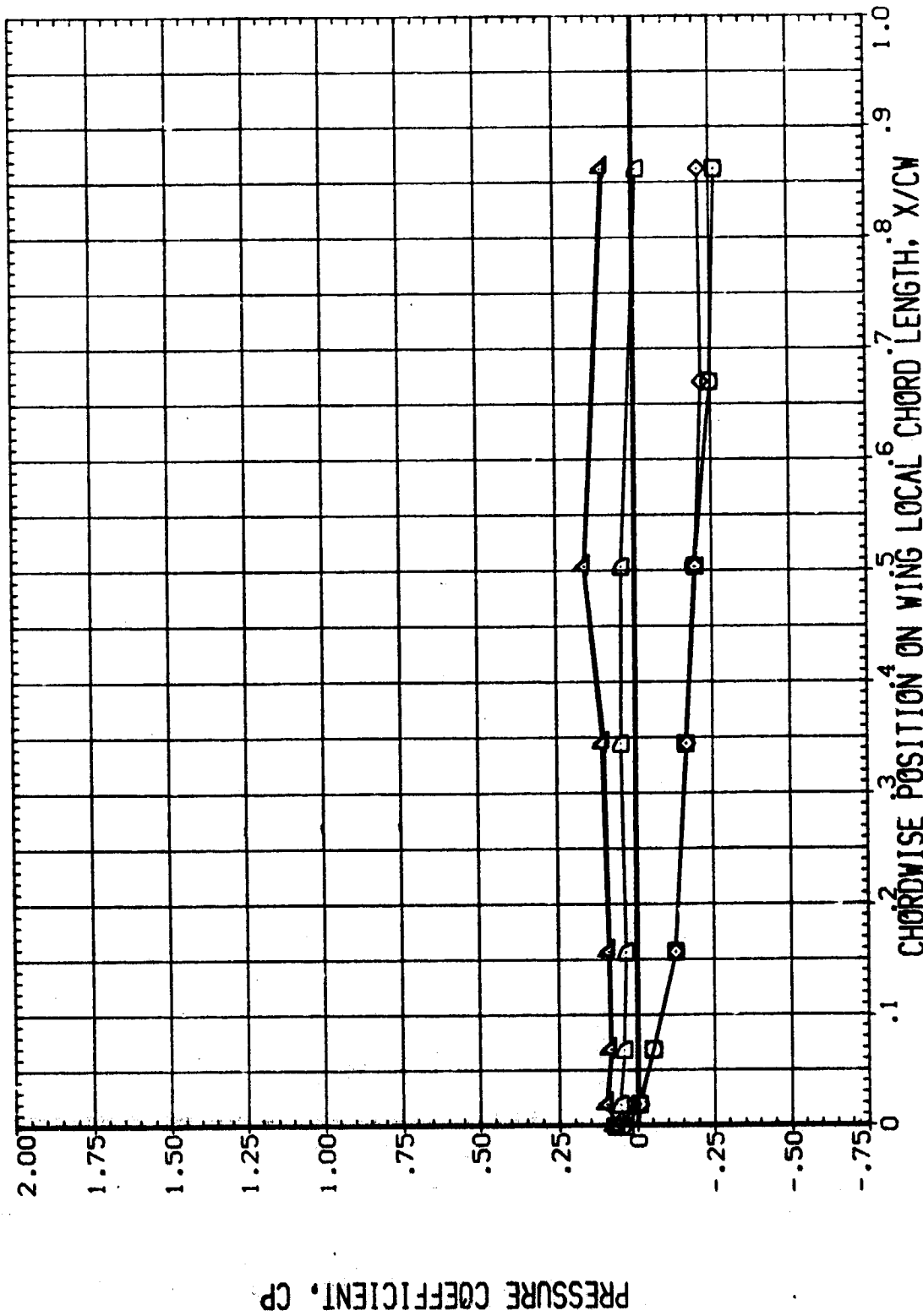


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPODBRK = 0, MACH = 2.00
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .887
 CHORDWISE POSITION⁴ ON WING LOCAL CHORD⁶ LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 36 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = 4.000 BETA = 4.000 Y/BW = .972 PAGE 1420

DATA SET SYMBOL
 (IETU40)
 (IETU44)
 (IETU36)
 (IETL40)
 (IETL44)
 (IETL36)

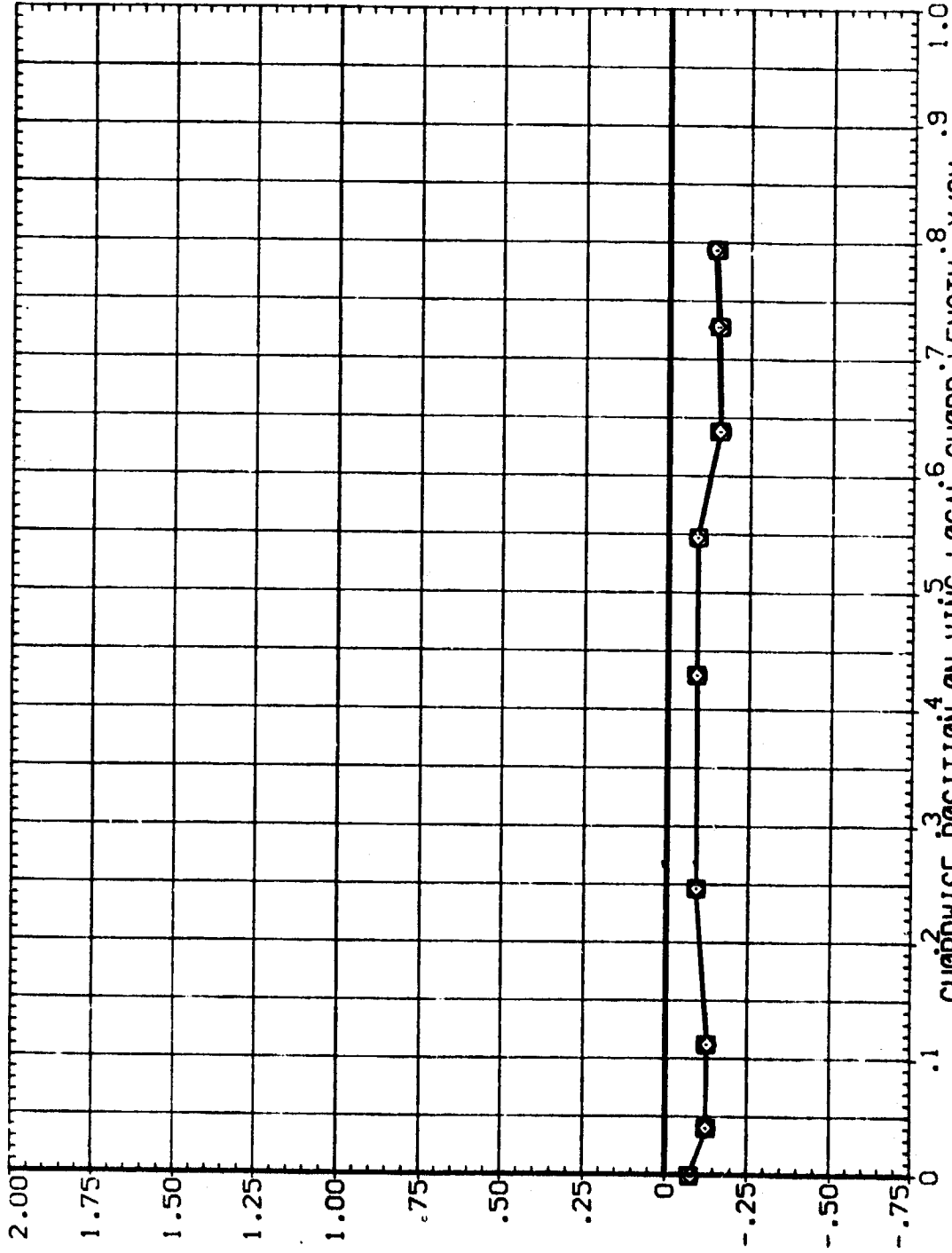
CONFIGURATION DESCRIPTION
 ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE

MACH
 2.000
 2.000
 2.000
 2.000
 2.000
 2.000

ELV-1B
 .000
 8.000
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-0B
 .000
 .000
 -4.000
 .000
 .000
 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

ALPHA0 = 6.000 BETA0 = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

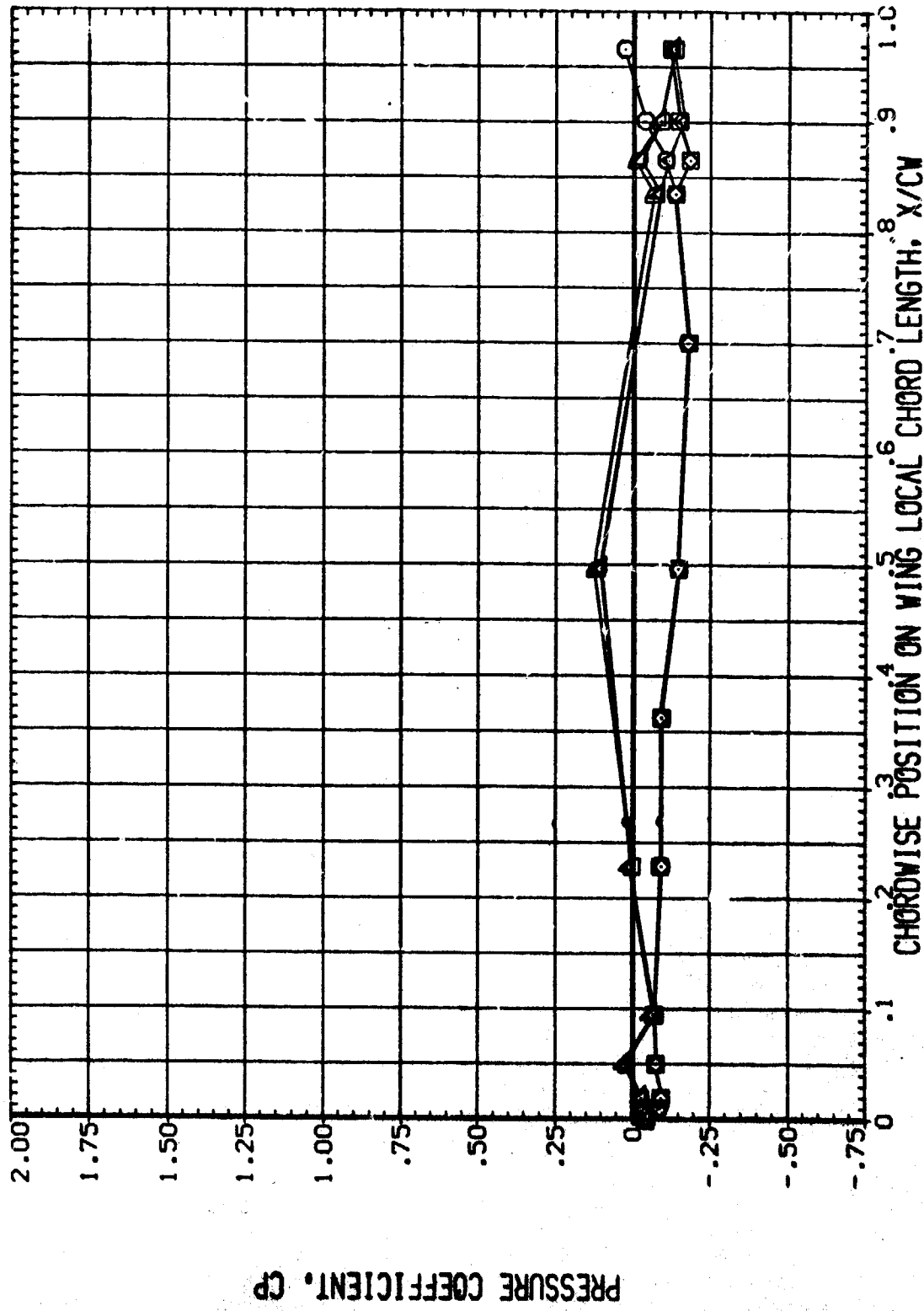


FIG. 166 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = 6.000 BETA = .000 Y/BW = .299 PAGE 1422

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(1E1U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1E1U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1E1U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1E1U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1E1U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	-4.000
(1E1U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

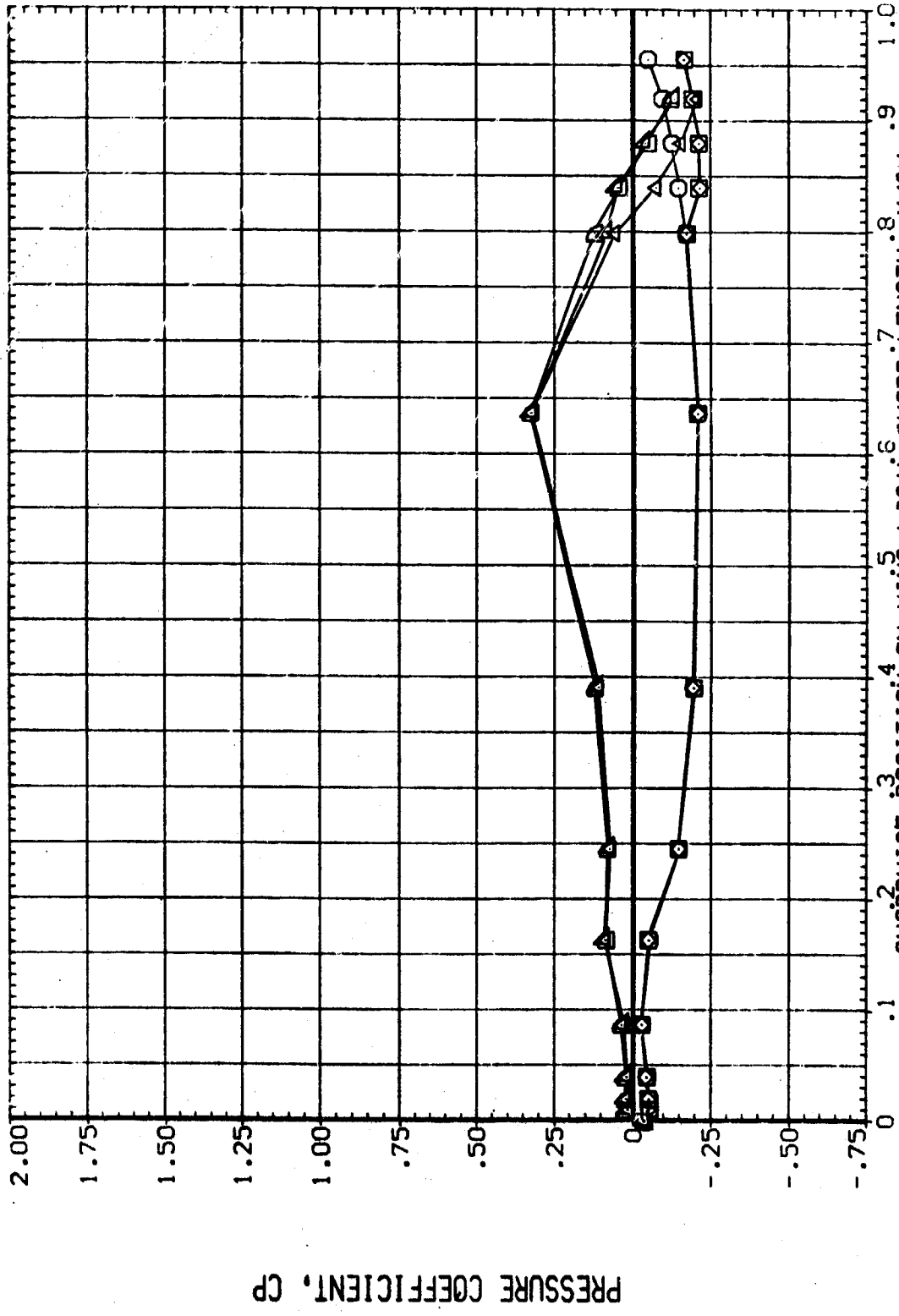


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RM/FT ELV-08

(IETU40)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL40)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL44)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING BOT.	2.000	.000	2.500	-4.000
(IETL36)	ARC97-019	IAB1	LVAP(ALLM SEALED)	LEFT WING BOT.	2.000	8.000	2.500	.000

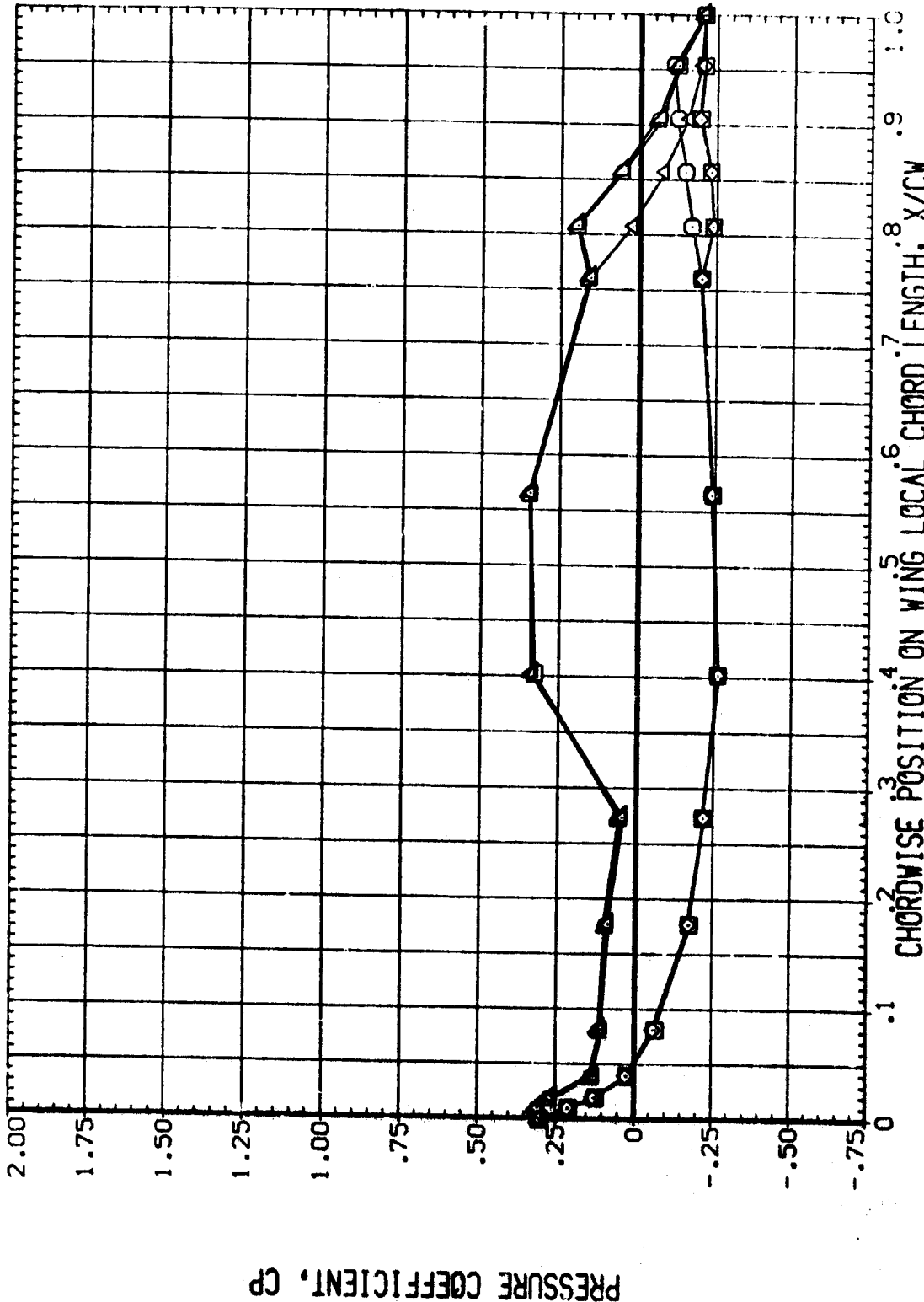


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.00
 ALPHA = 6.000 BETA = .000 Y/BW = .427 PAGE 1424

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

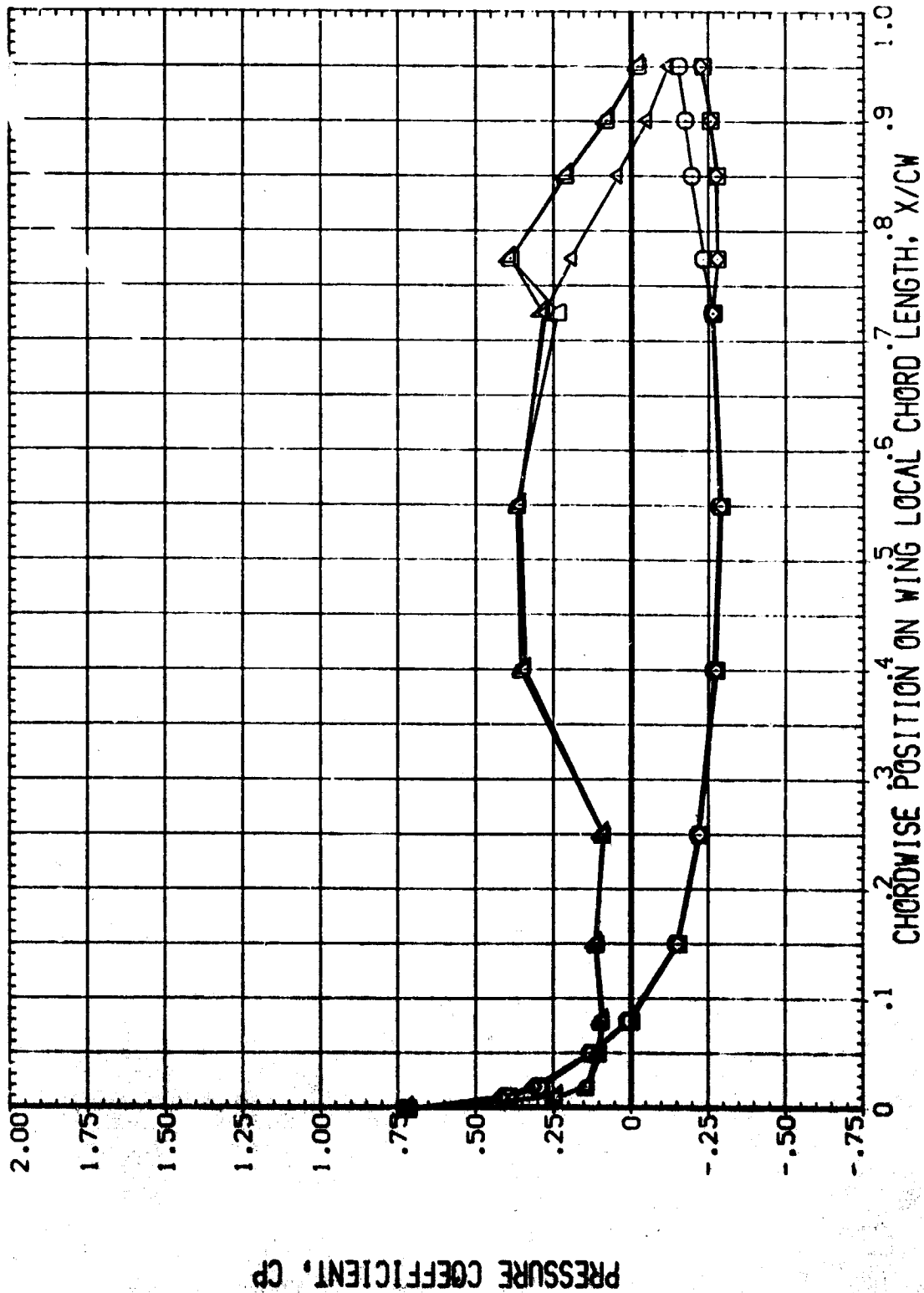


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.00

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(IETU43) IAS1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETU44) IAS1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETU45) IAS1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETL40) IAS1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (IETL44) IAS1 LVAP(ALLHL SEALED) LEFT WING BOT.
 (IETL36) IAS1 LVAP(ALLHL SEALED) LEFT WING BOT.

MACH ELV-1B RN/FT ELV-08
 2.000 .000 2.500 .000
 2.000 8.000 2.500 .000
 2.000 8.000 2.500 -4.000
 2.000 .000 2.500 .000
 2.000 8.000 2.500 .000
 2.000 8.000 2.500 -4.000

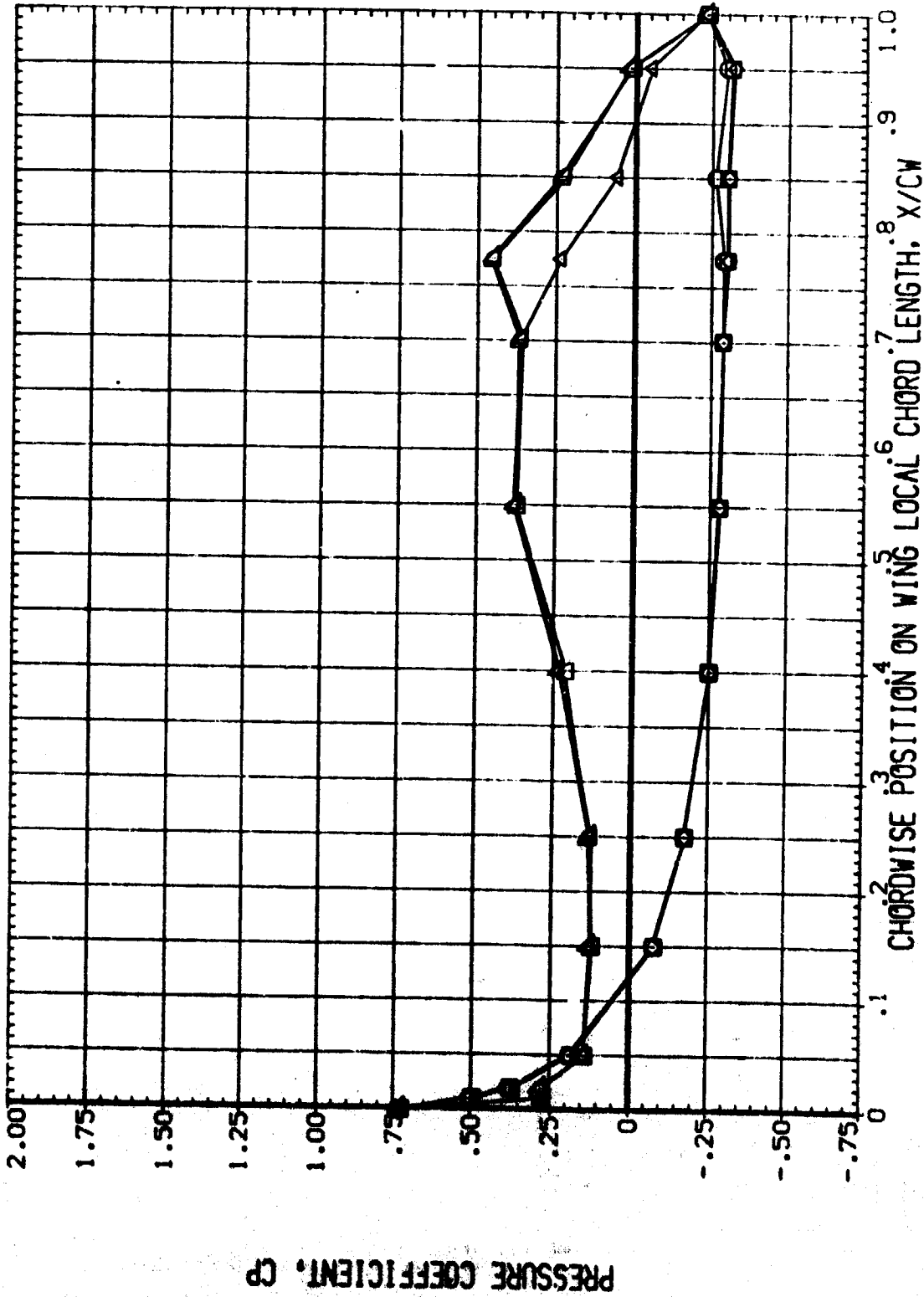


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.00

ALPHA= 6.000 BETA= .000 Y/BW = .673

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(IETU44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000
(IETL40)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(IETL44)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

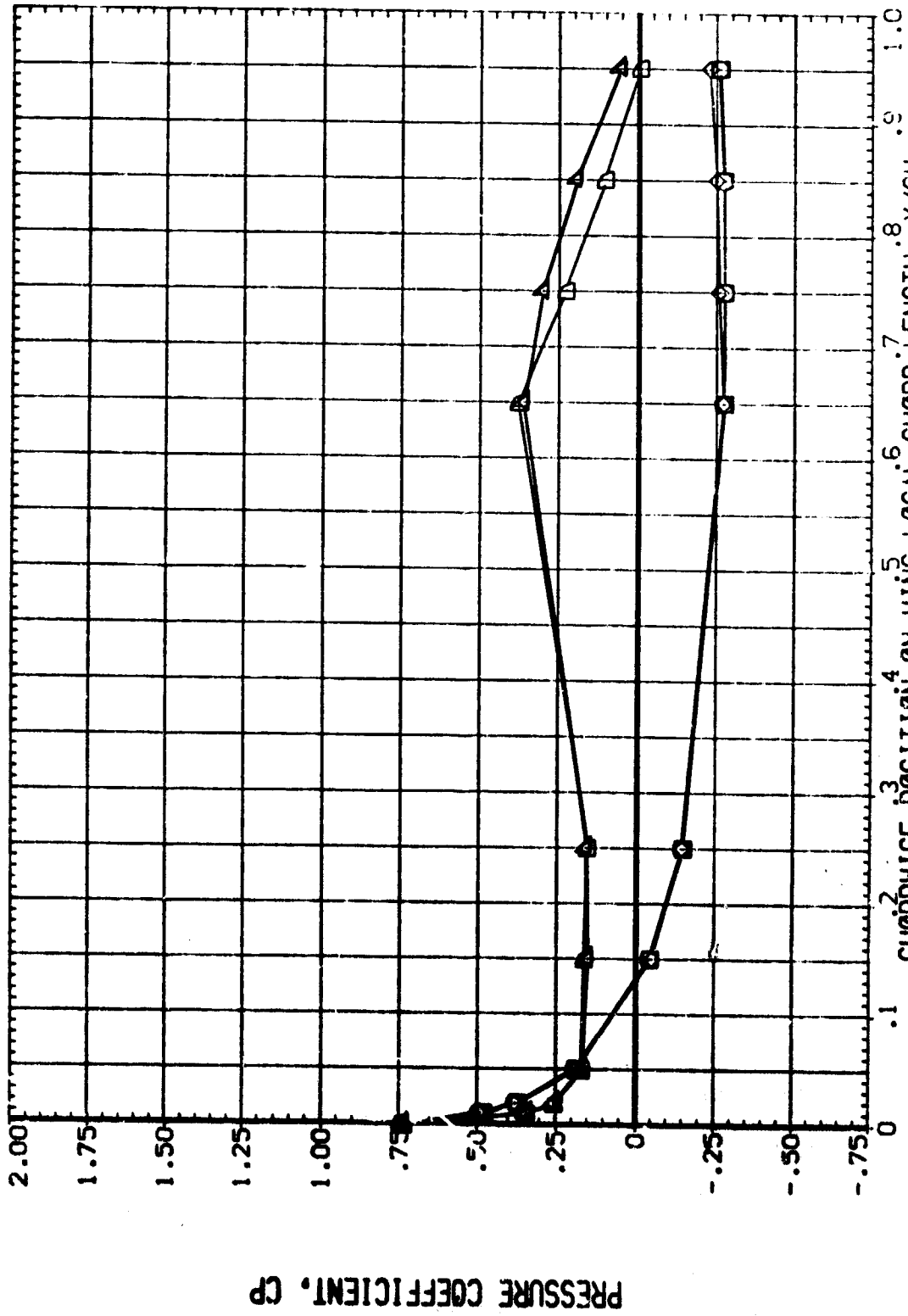


FIG. 66 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0, MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU40)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	.000	2.500	.000
(1ETU44)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	.000
(1ETU26)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.000	8.000	2.500	-4.000
(1ETL40)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	.000	2.500	.000
(1ETL44)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	.000
(1ETL36)	ARC57-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.000	8.000	2.500	-4.000

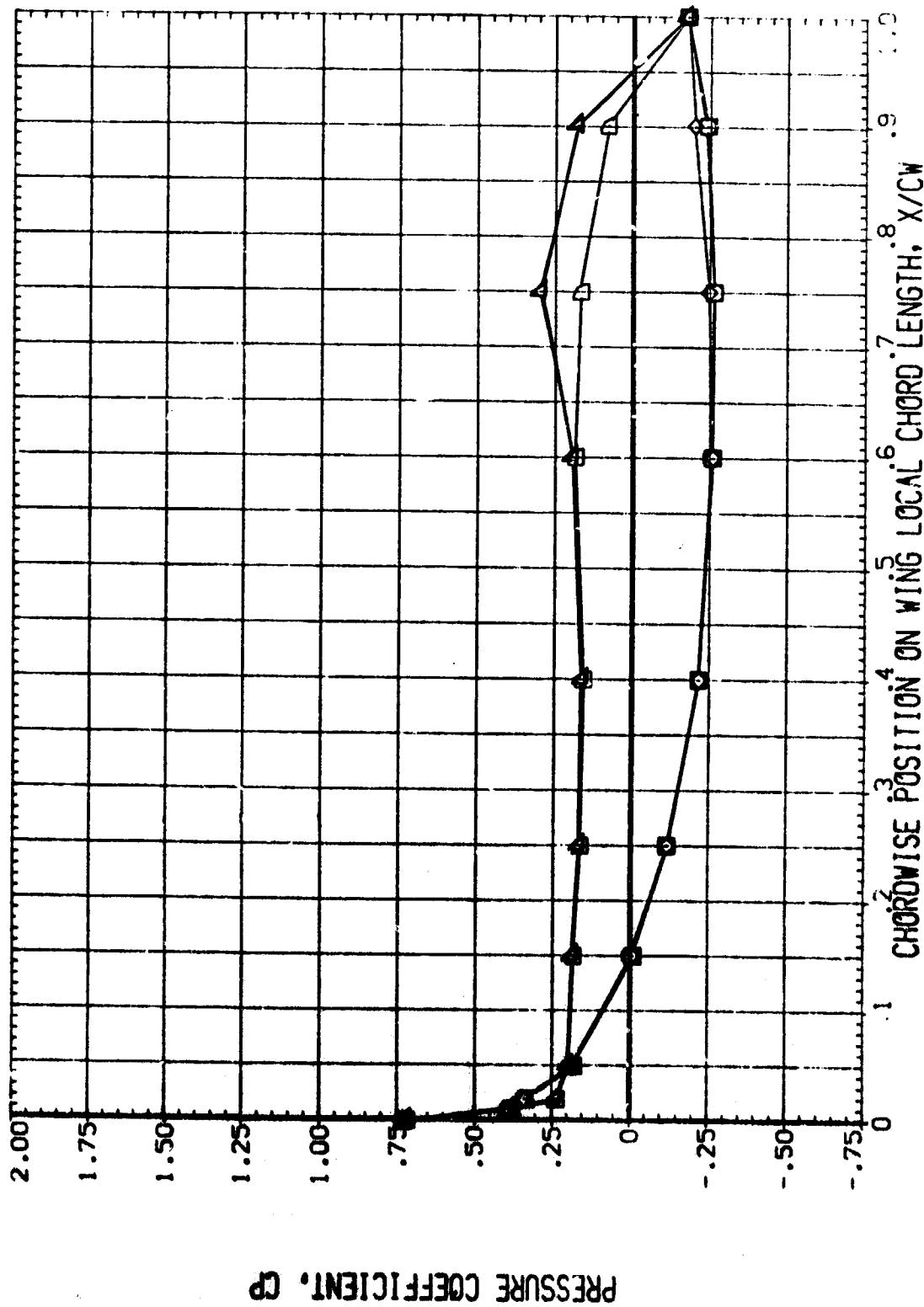


FIG. 66 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

ALPHA = 6.000 BETA = .000 Y/BW = .887 PAGE 1423

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1E1U40)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	.000	2.500	.000
(1E1U44)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1E1U36)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000
(1E1L40)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	.000	2.500	.000
(1E1L44)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	.000
(1E1L36)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.000	8.000	2.500	-4.000

LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.
 LEFT WING BOT.

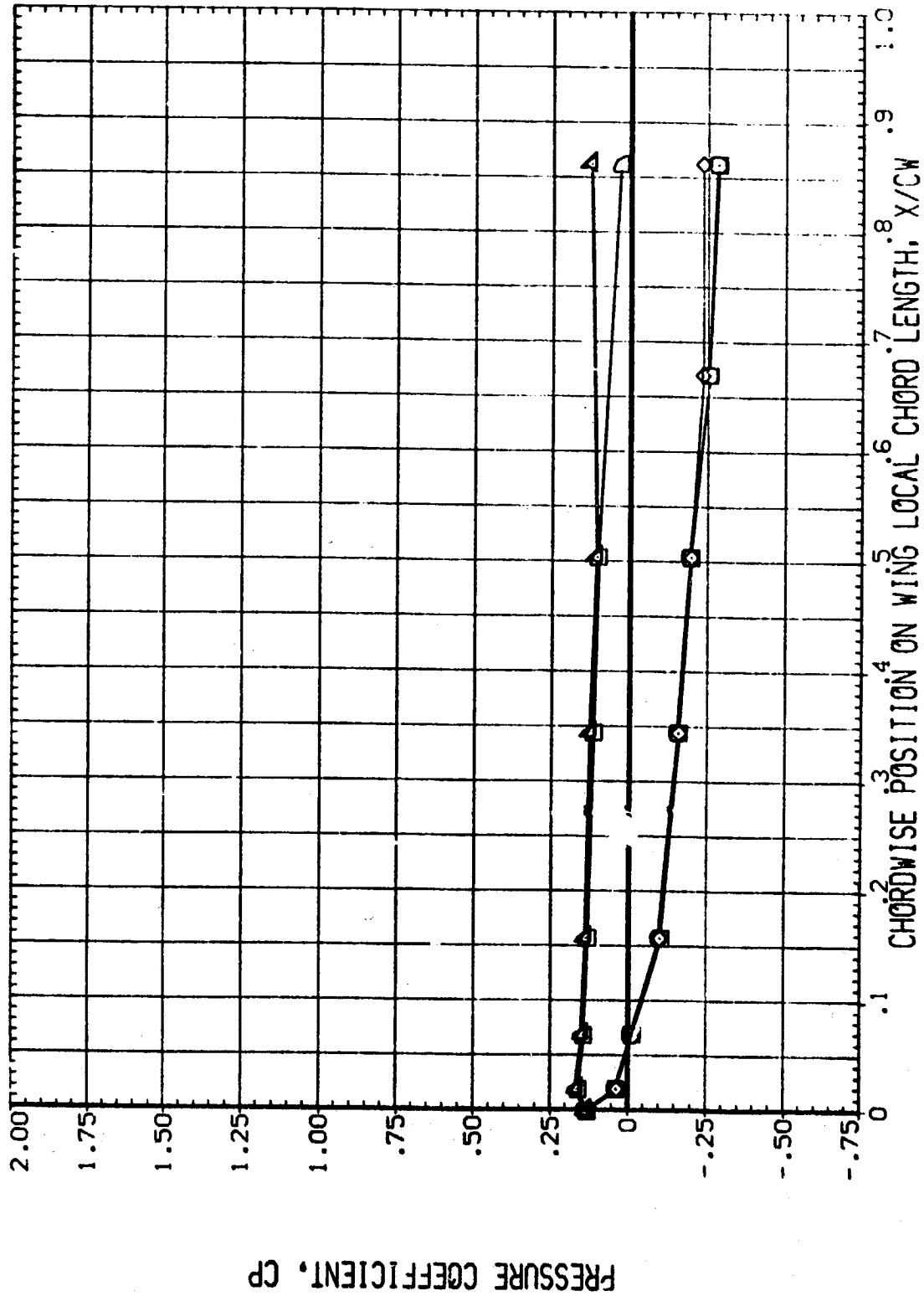
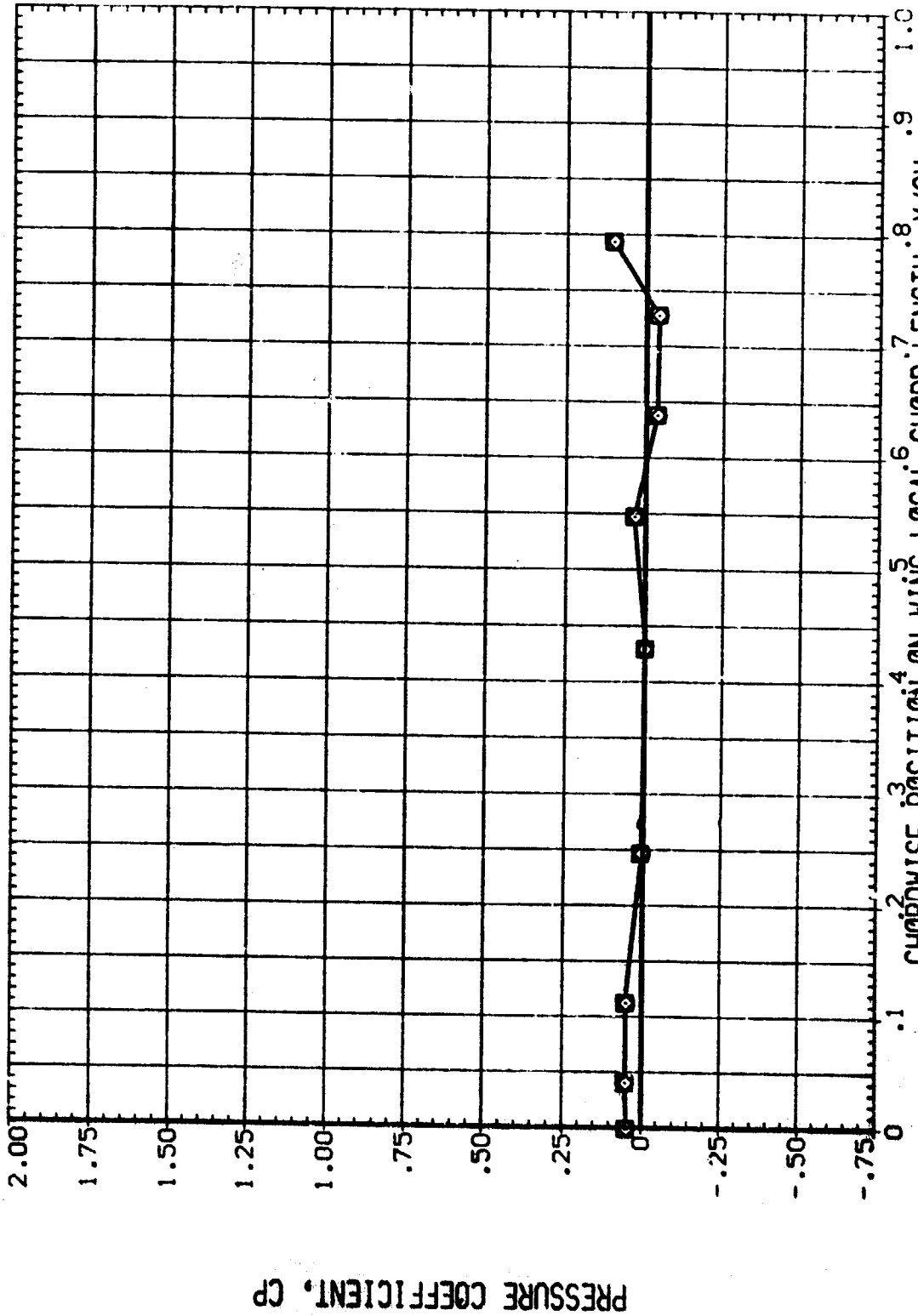


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.00

DATA SET SYMBOL
 (IETU41)
 (IETU45)
 (IETU37)
 (IETL41)
 (IETL45)
 (IETL37)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE
 DATA NOT AVAILABLE

MACH ELV-1B RN/FT ELV-0B
 2.200 .000 2.500 .000
 2.200 8.000 2.500 .000
 2.200 8.000 2.500 -4.000
 2.200 .000 2.500 .000
 2.200 8.000 2.500 .000
 2.200 8.000 2.500 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-TB	RN/FT	ELV-OB
(JETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING TOP	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	2.200	.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000

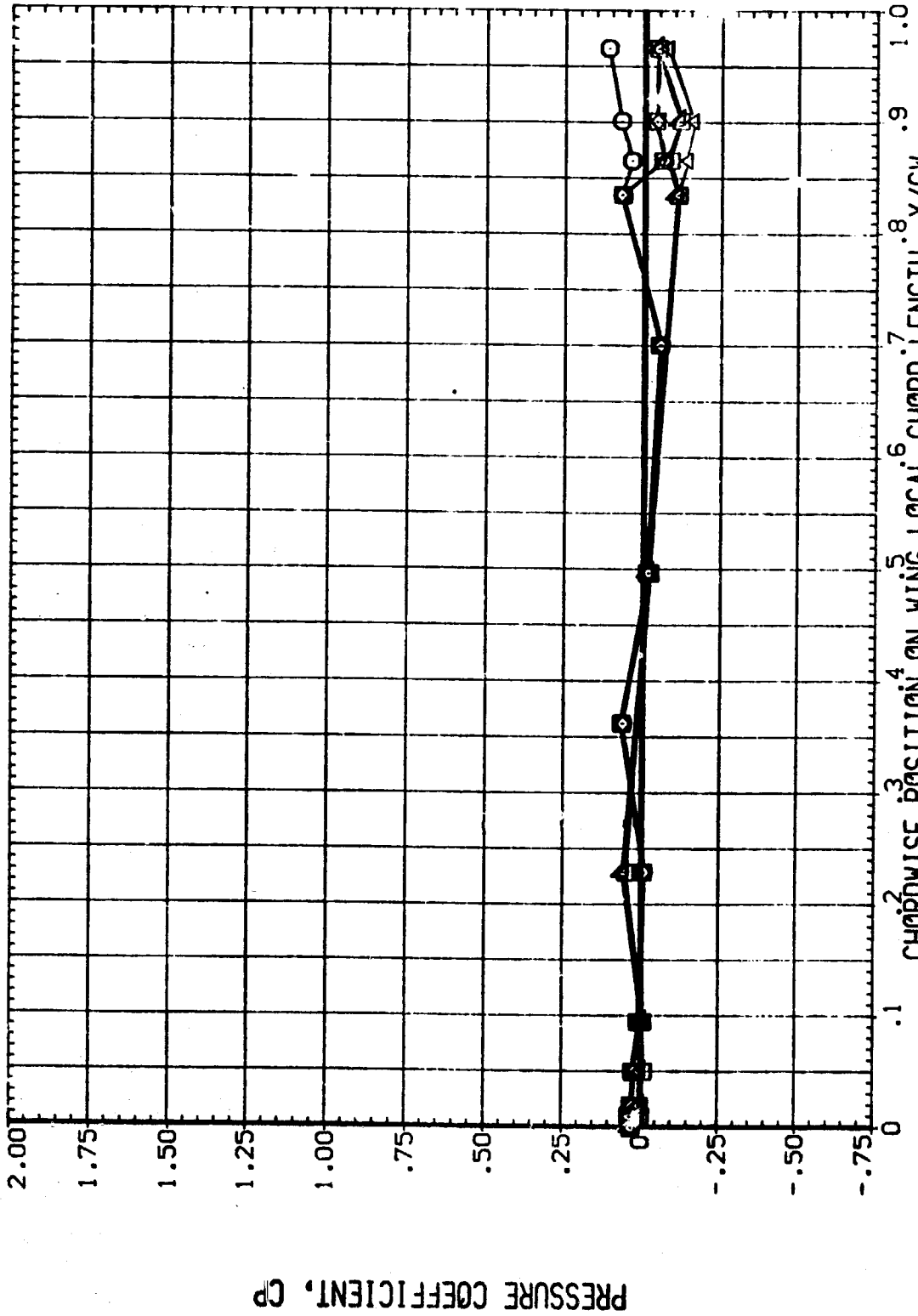


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = -6.000 BETA = .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLHL (SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000

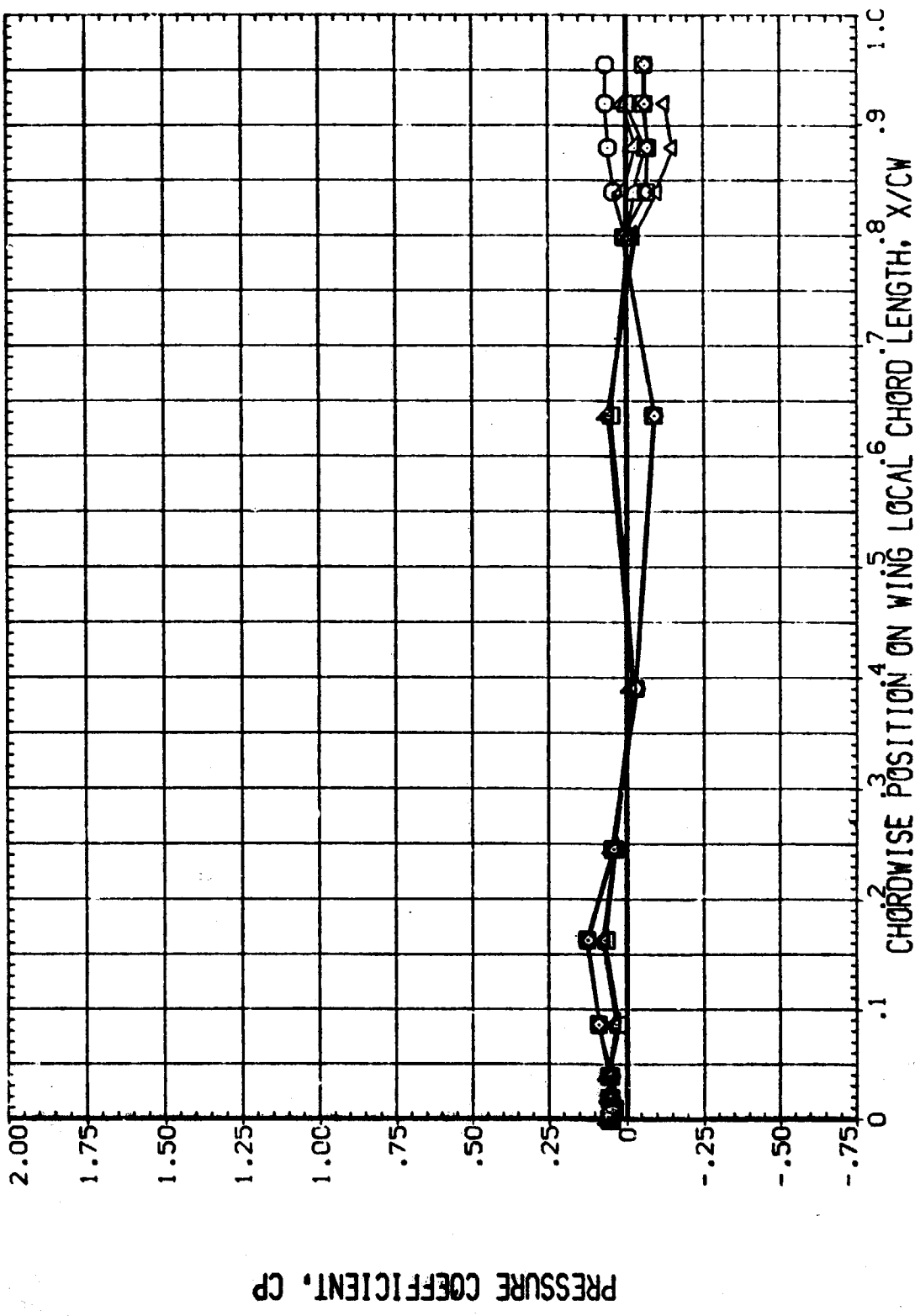


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

ALPHA= -6.000 BETA= .000 Y/BW = .364 PAGE 1432

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

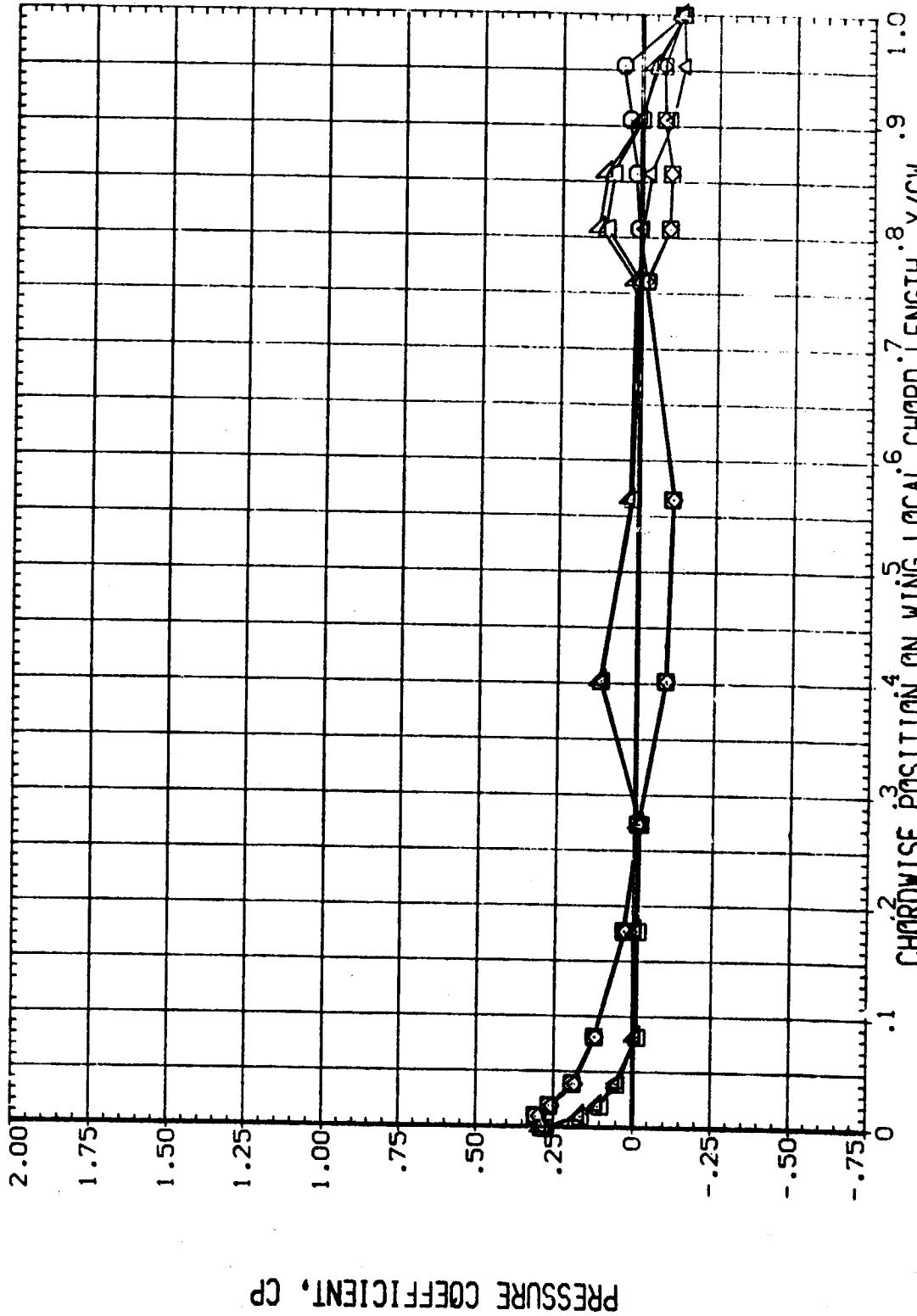


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

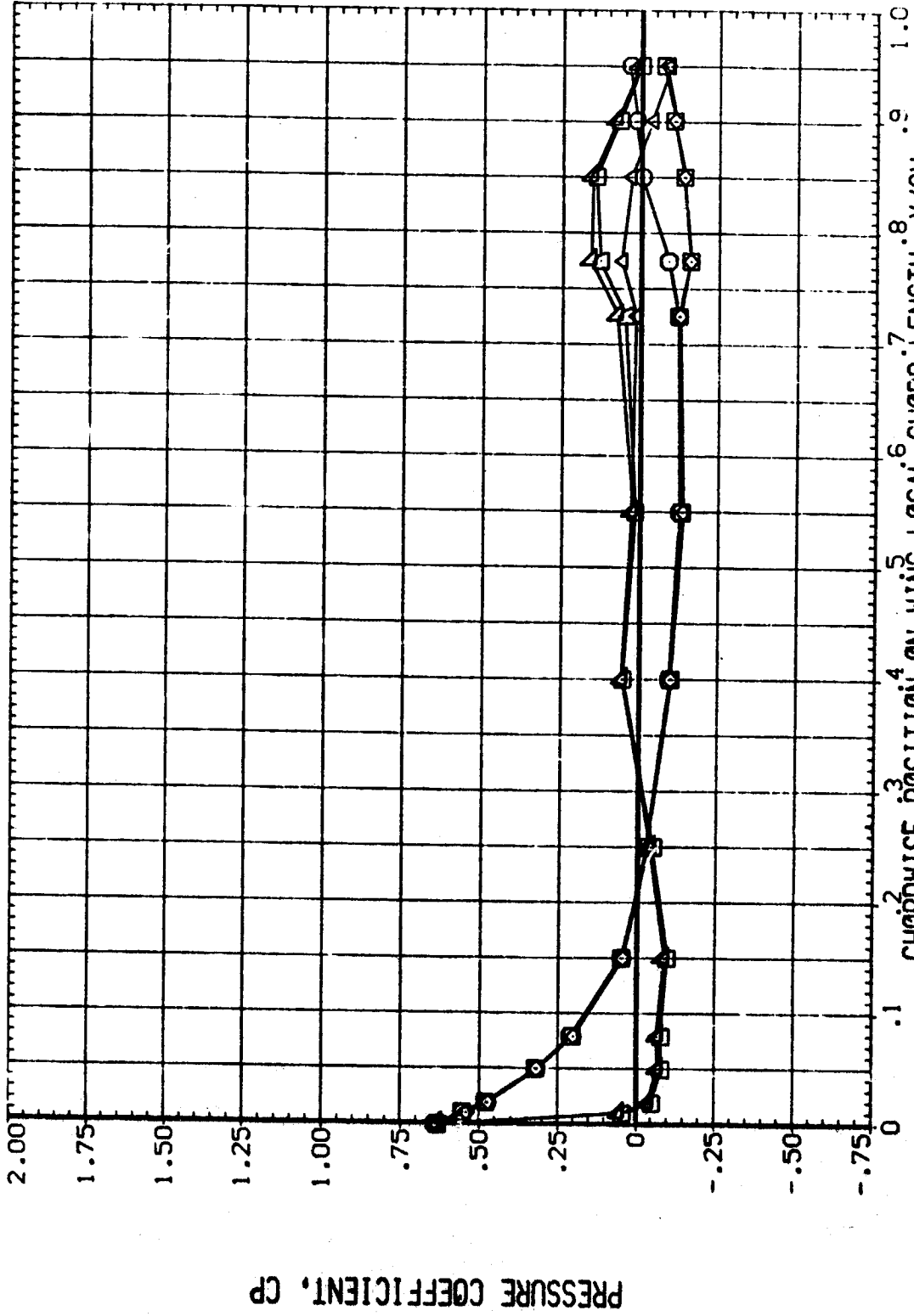


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA= -6.000 BETA= .000 Y/BW = .534 PAGE 1434

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RM/FT	ELV-OB
(IF TU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IF TU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IF TU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IF L41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IF L37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

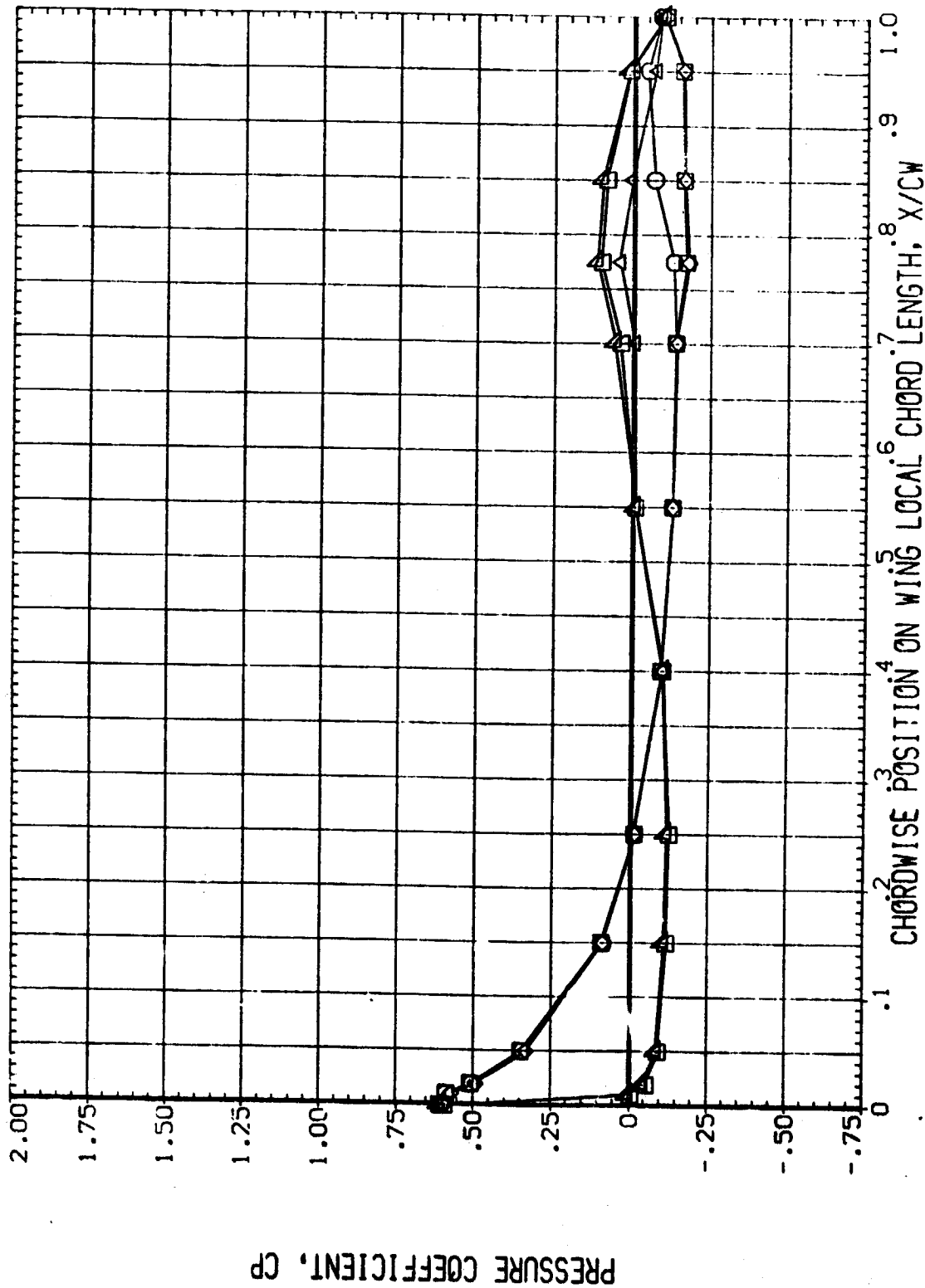


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-19	RN/FT	ELV-08
(IETU41)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

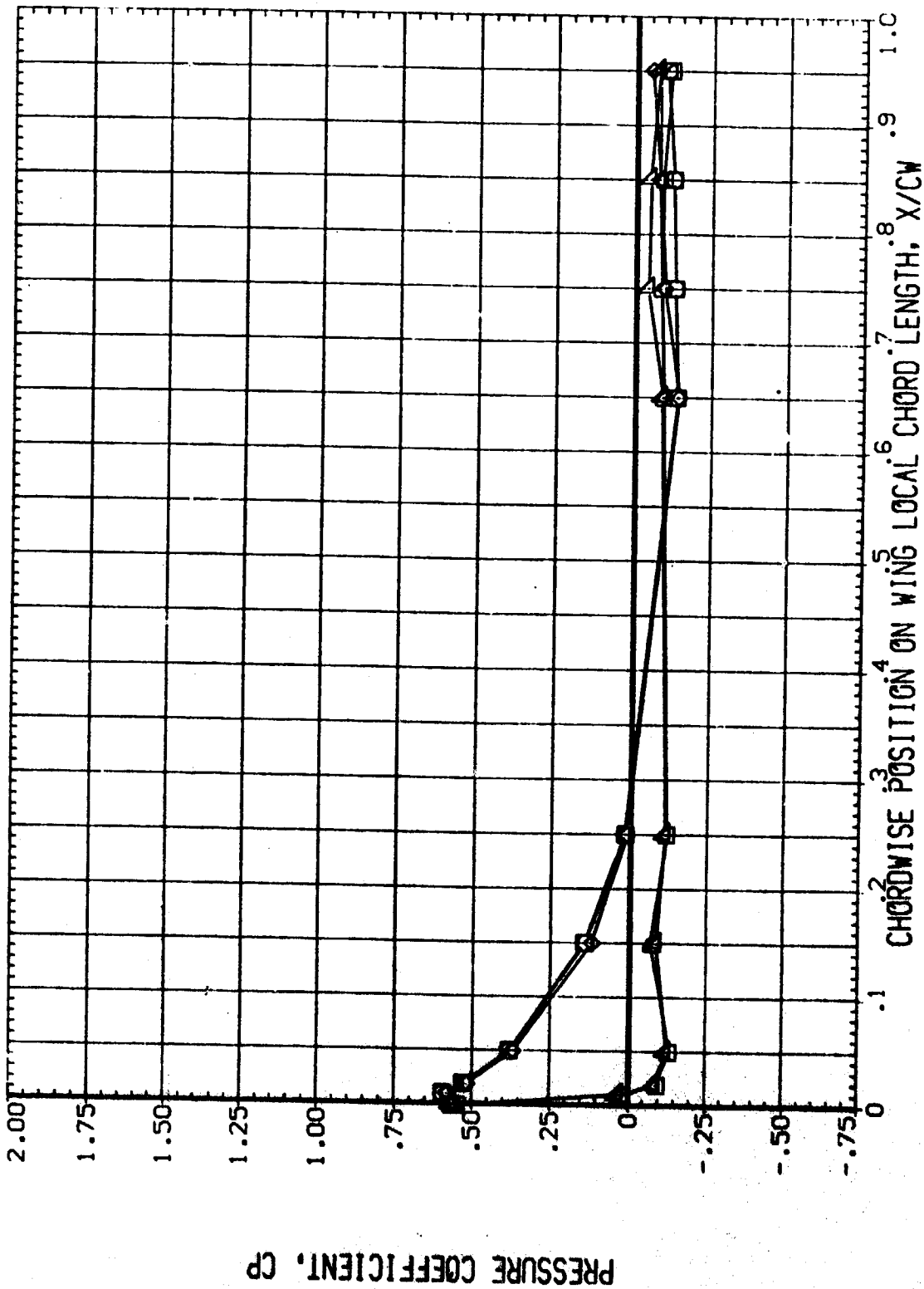


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

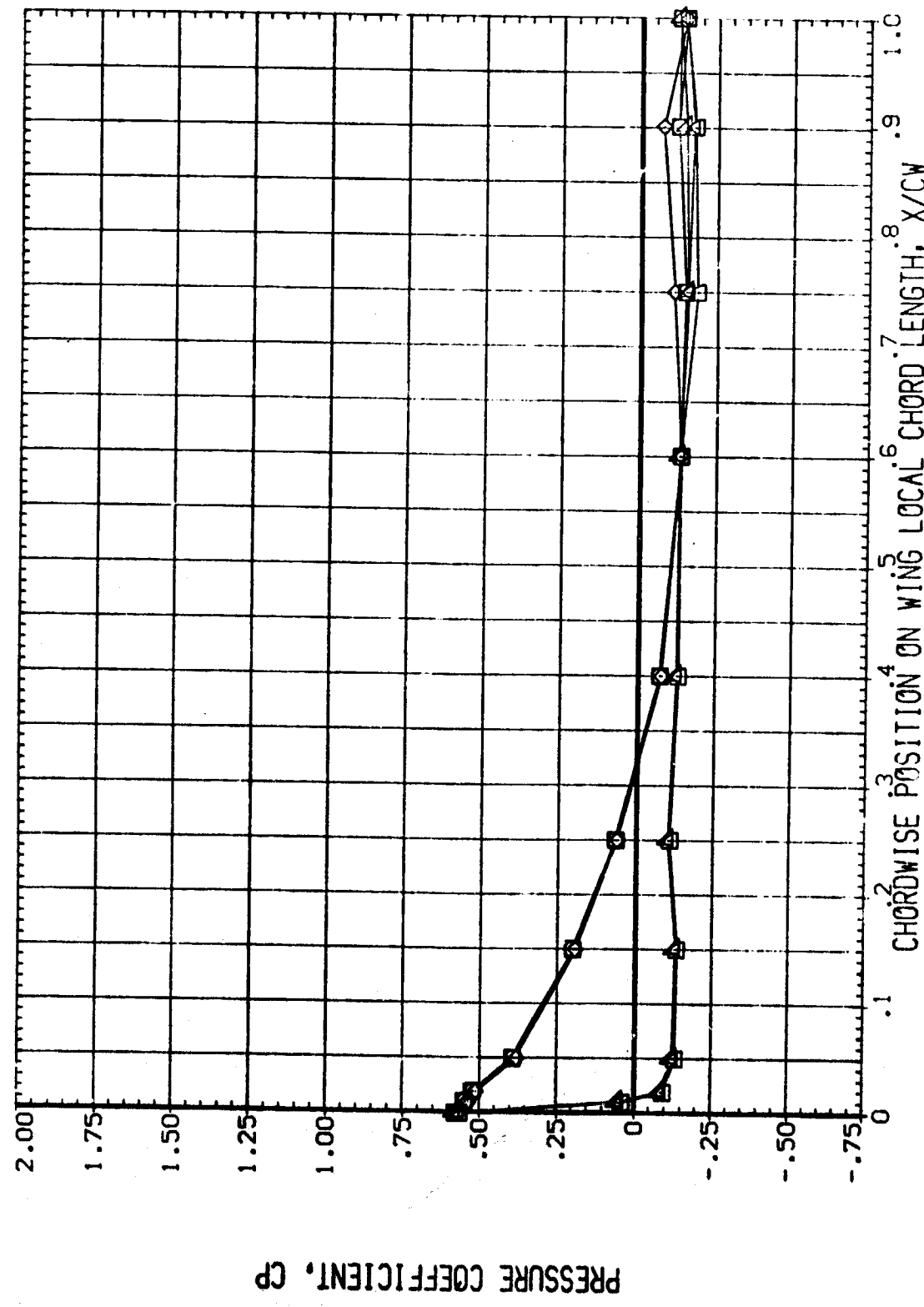


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-L19 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

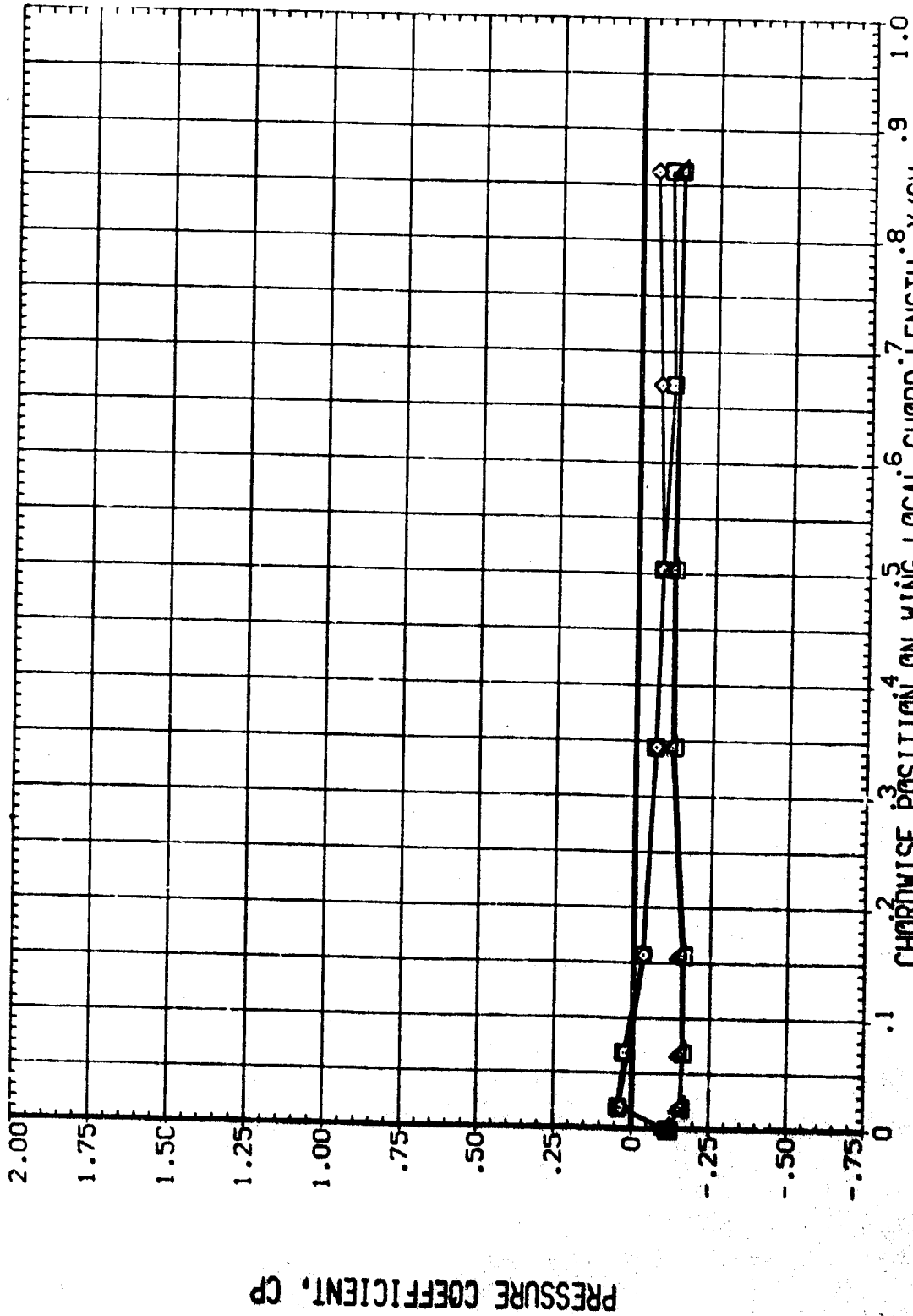


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = -6.000 BETA = .000 Y/BW = .972

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(1ETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1ETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

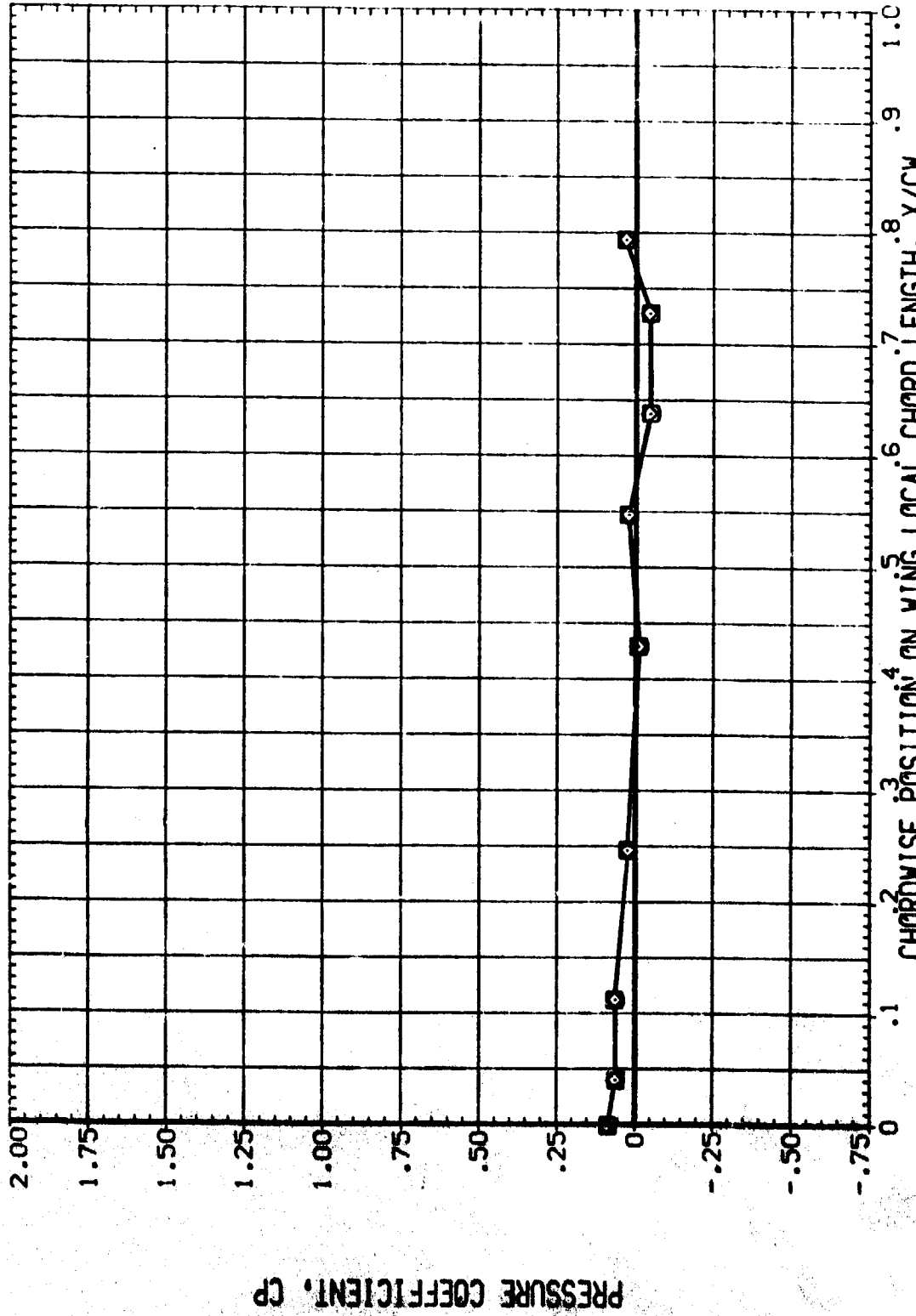


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IEU1)	ARC97-013 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IEU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IEU37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IEU41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IEU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IEU37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

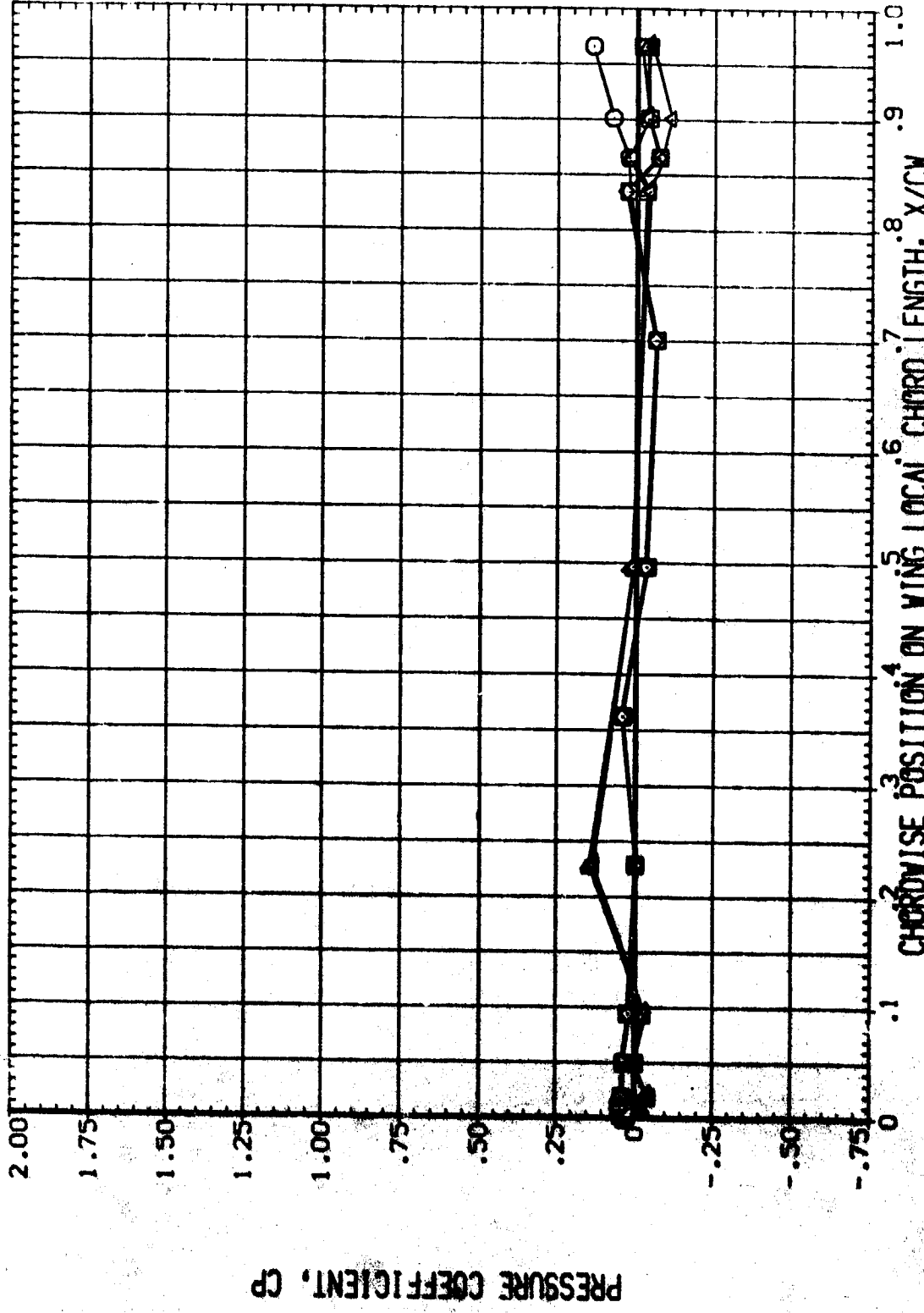


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .299 PAGE 1440

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IE1M1)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(IE1M5)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(IE1M9)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(IE1L41)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(IE1L45)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(IE1L37)	ARC37-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000

LEFT WING TOP
LEFT WING TOP
LEFT WING TOP
LEFT WING BOT.
LEFT WING BOT.

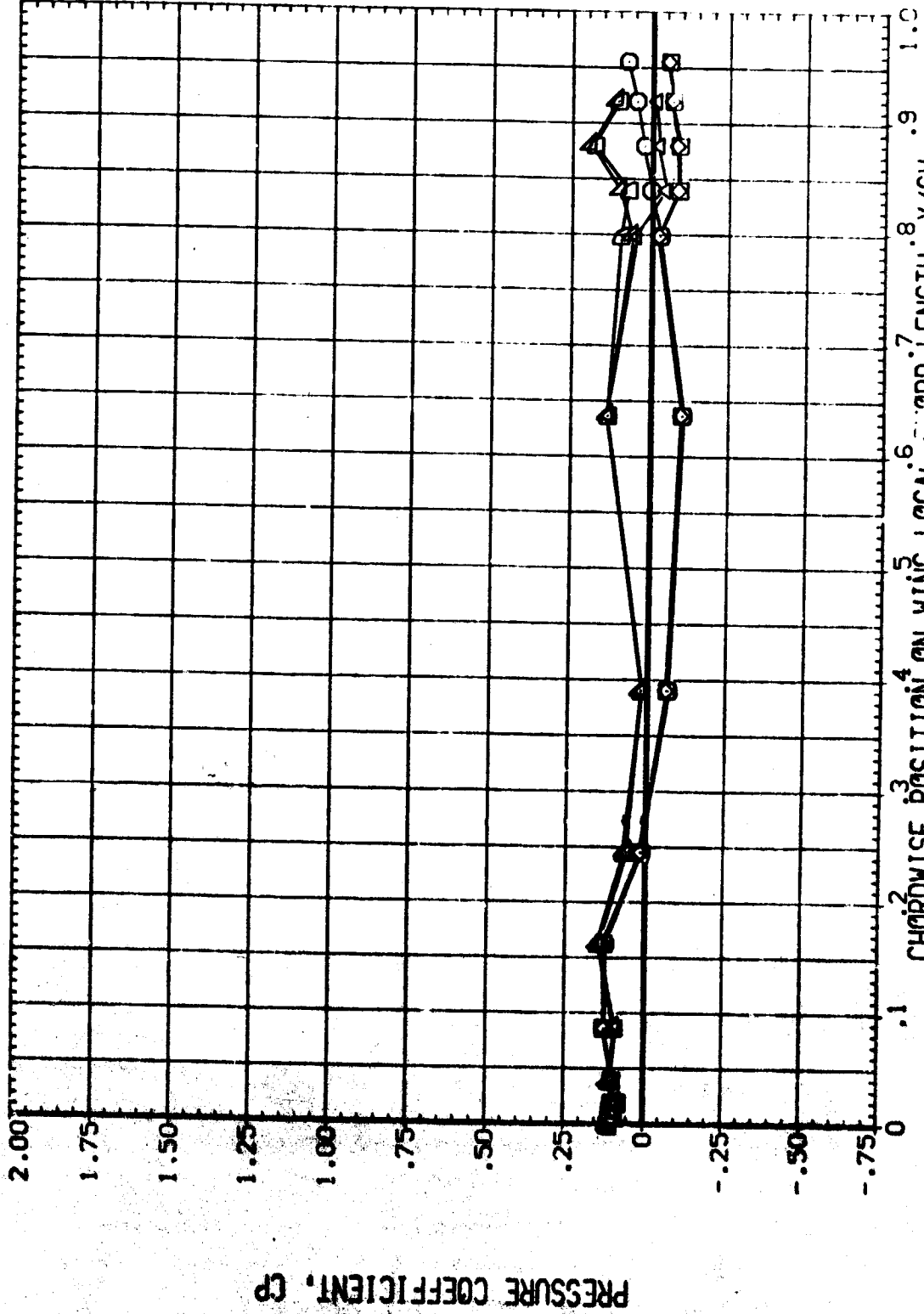
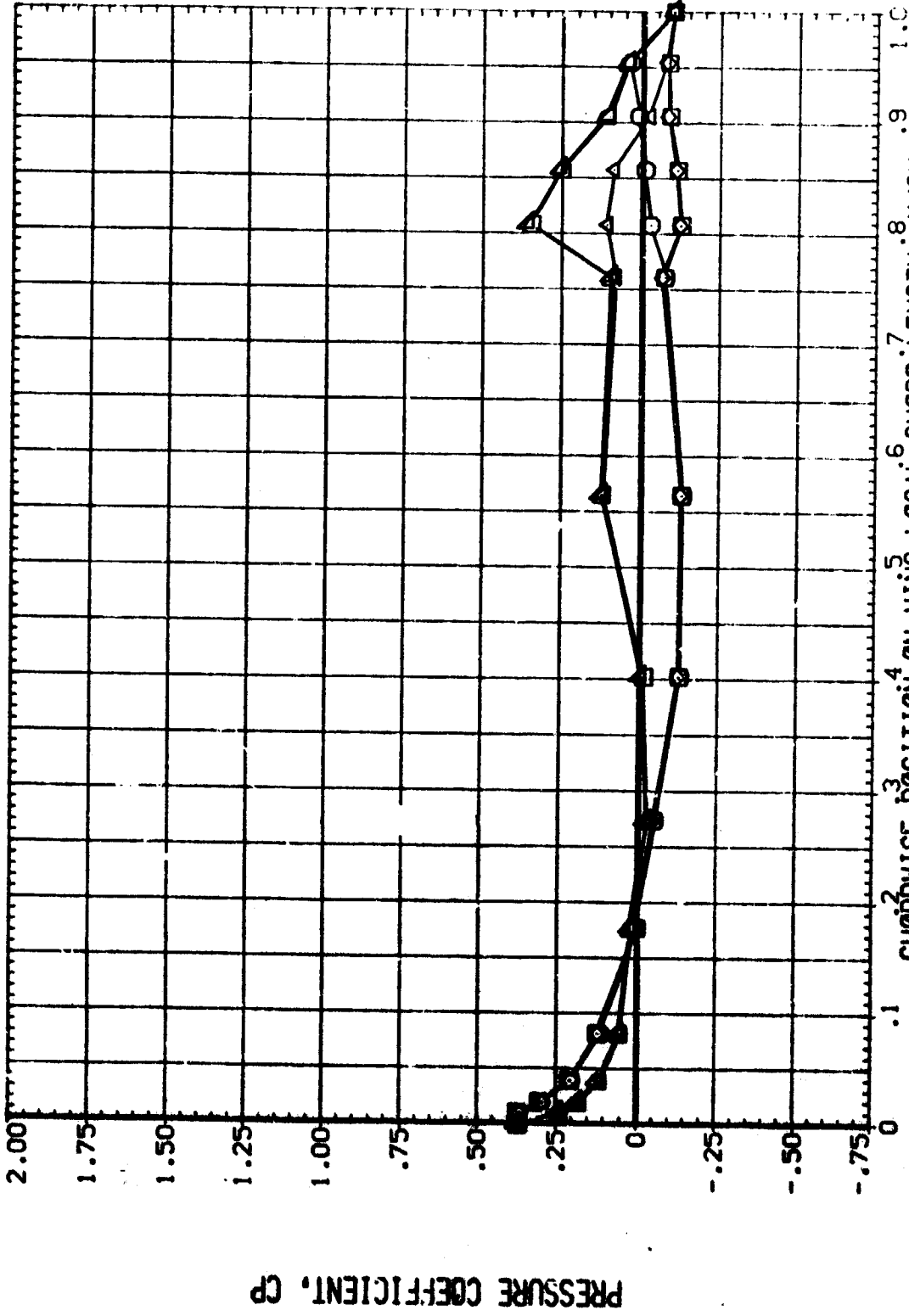


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
ALPHA = -4.000 BETA = -4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU07)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-013 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-013 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

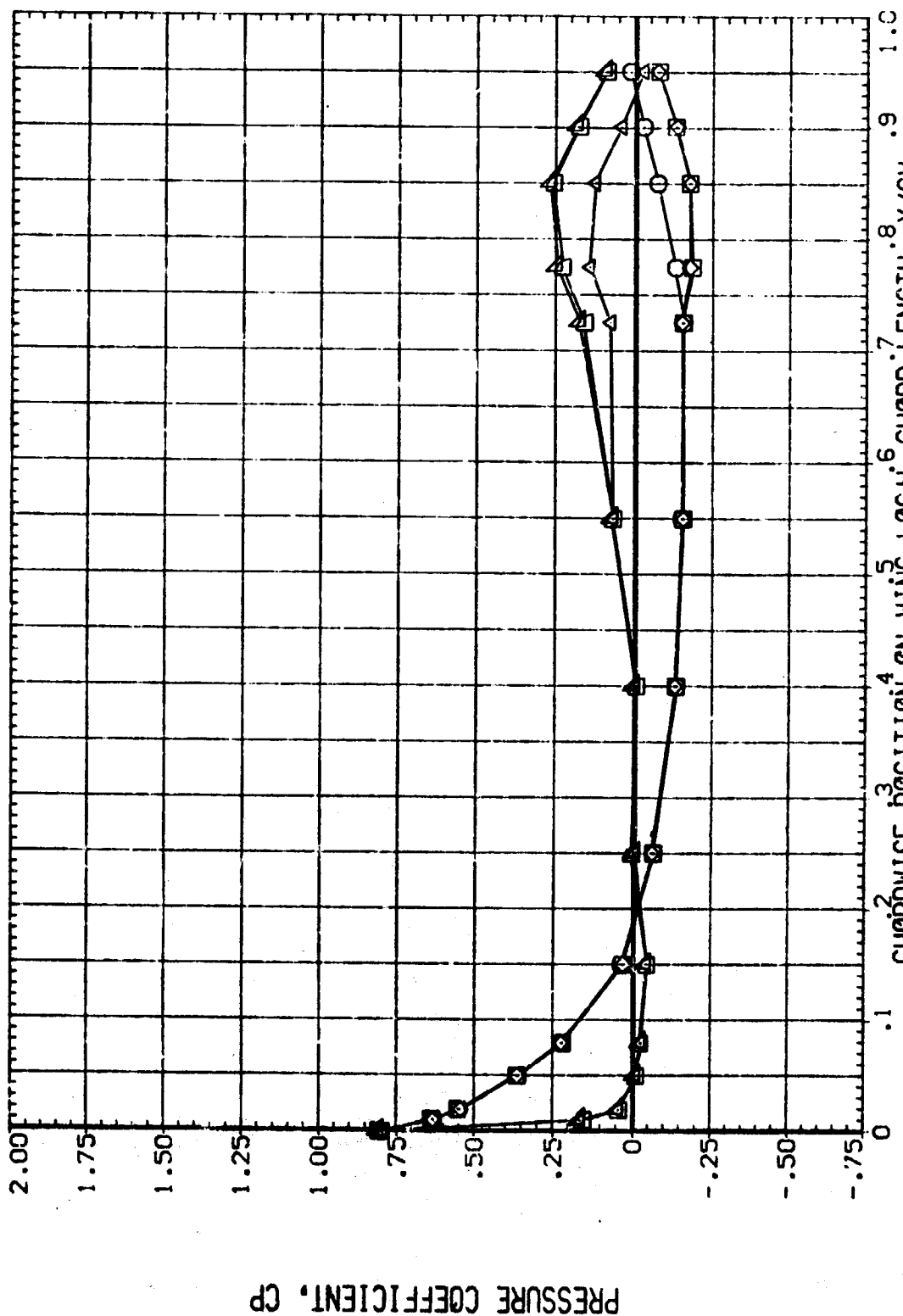


PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SFCBRK = 0. MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = -4.000 BETA = -4.000 Y/BW = .427 PAGE 1442

DAT. SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IEJ41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IEJ45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IEI037)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IEI141)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IEI145)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IEI137)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

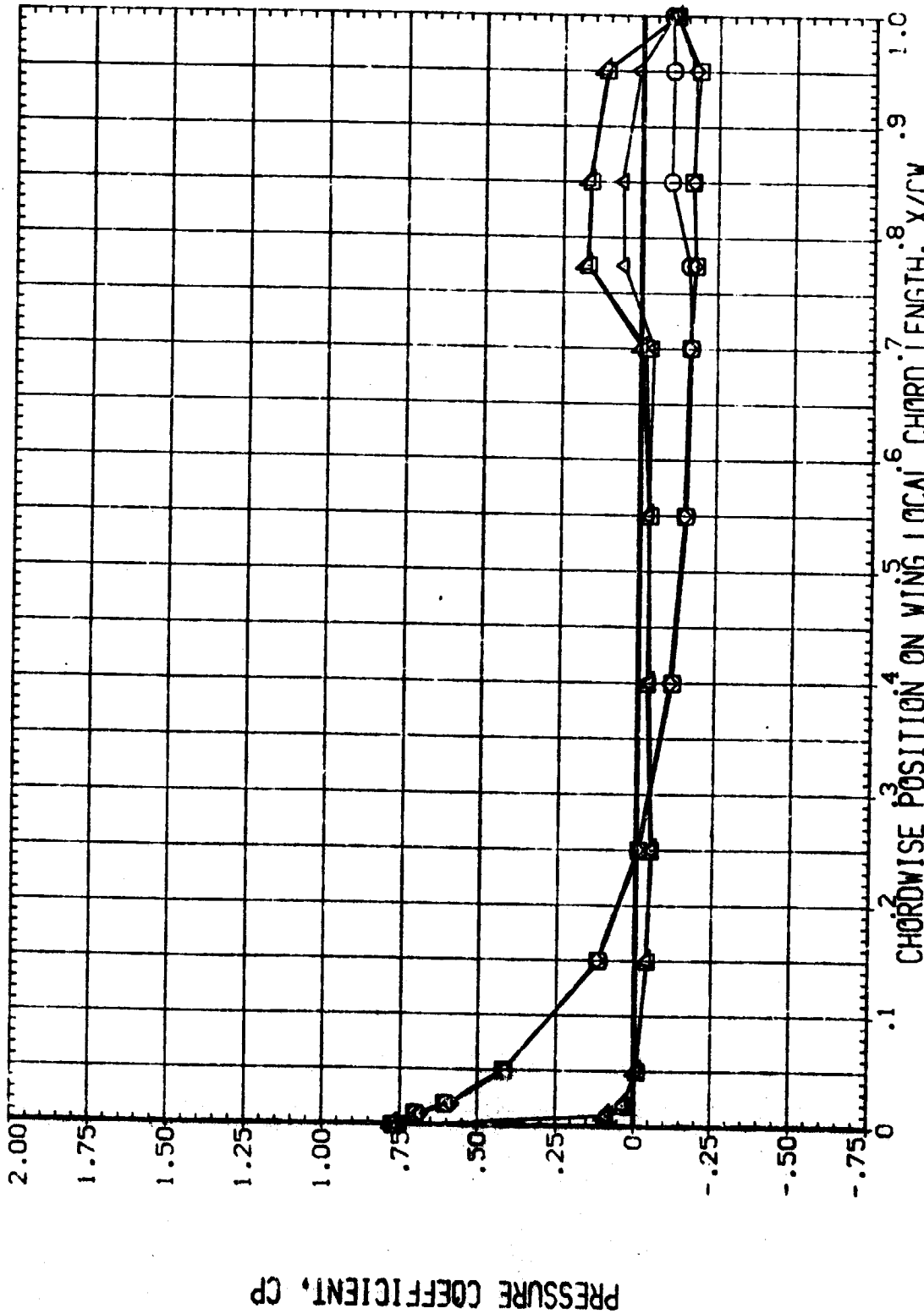


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

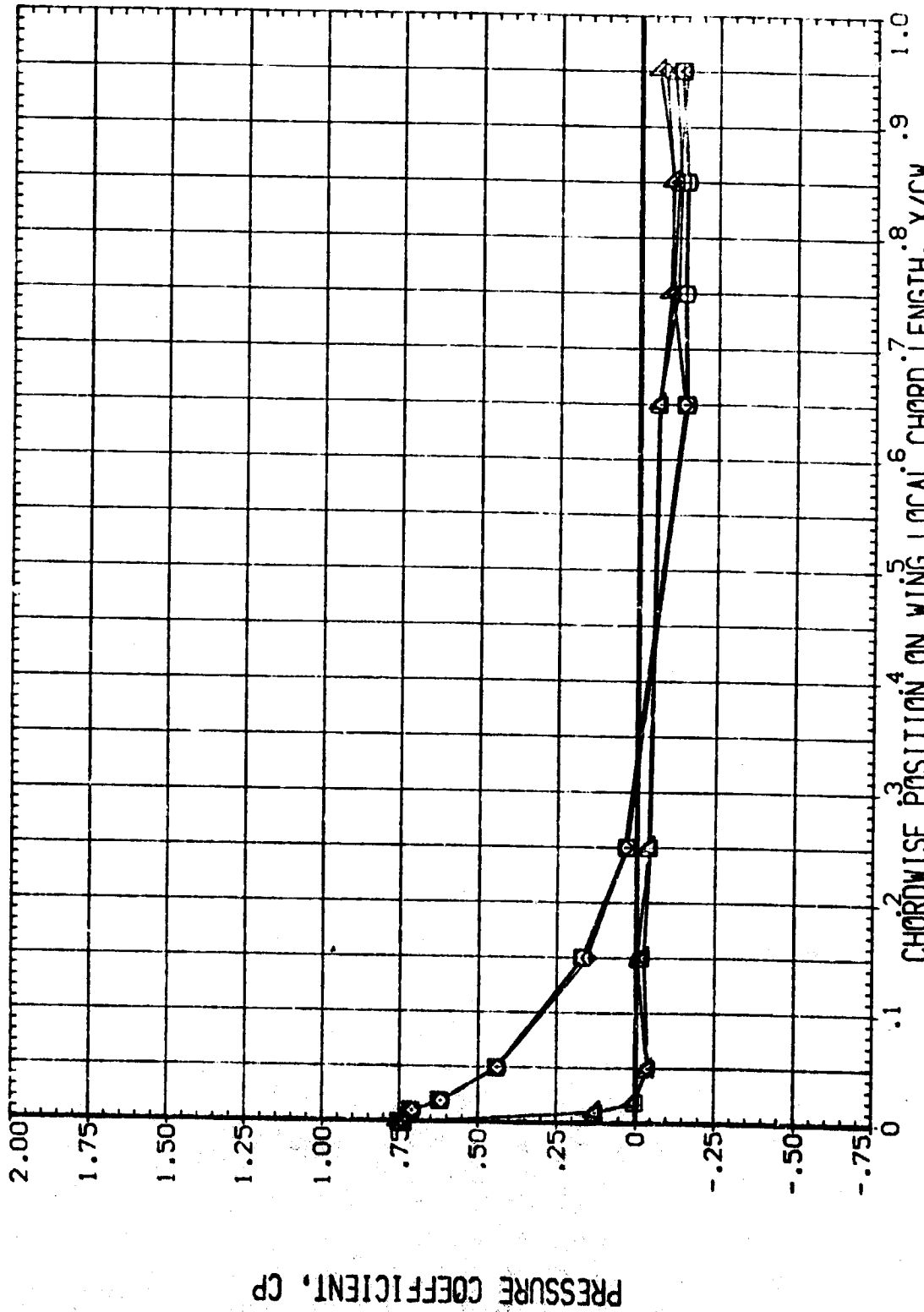


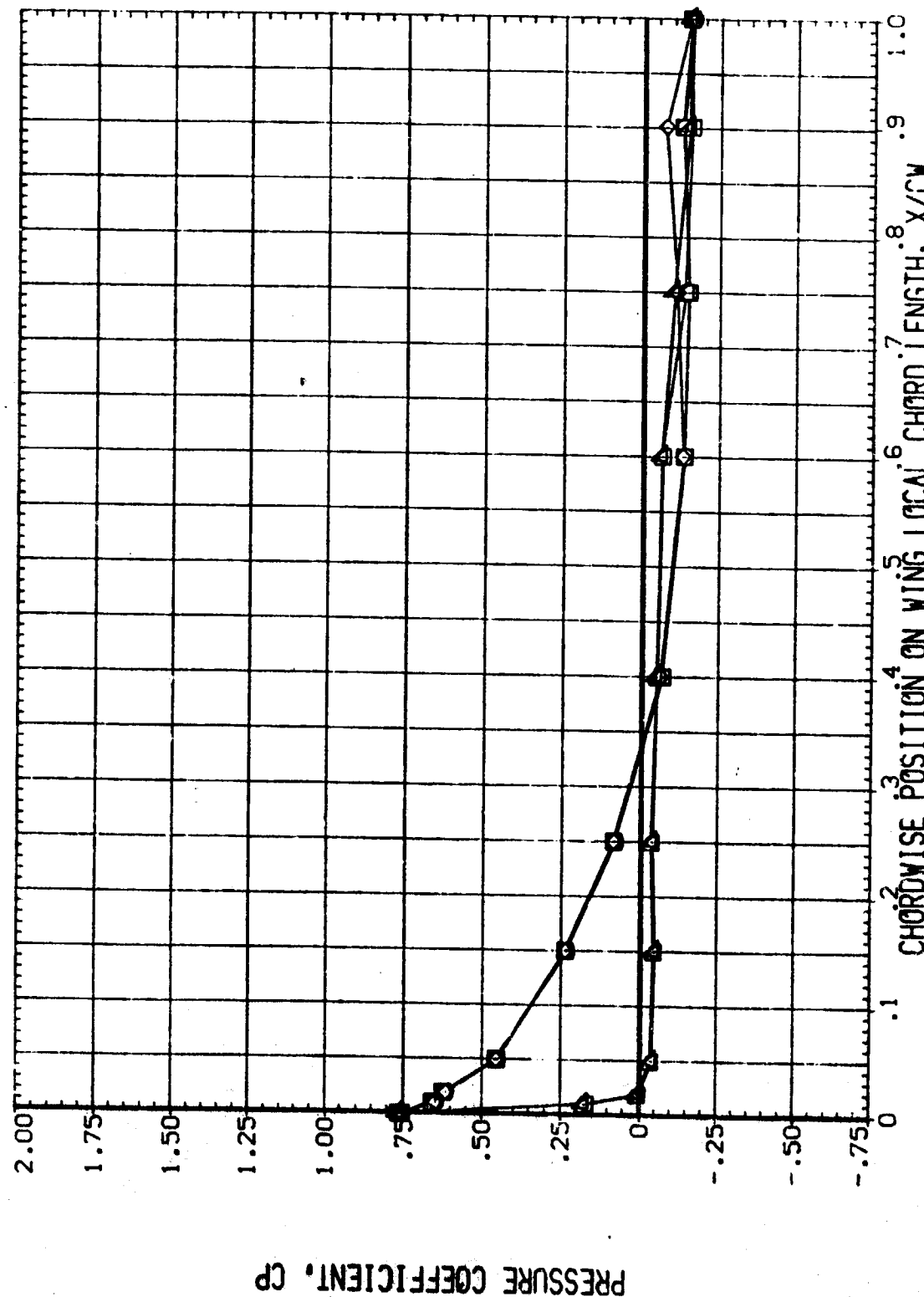
FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

DATA SET SYMBOL
 (IETU1)
 (IETU45)
 (IETU77)
 (IETL41)
 (IETL45)
 (IETL37)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALLHL SEALED)
 ARC97-019 IAB1 LVAP(ALLHL SEALED)
 ARC97-019 IAB1 LVAP(ALLHL SEALED)
 ARC97-019 IAB1 LVAP(ALLHL SEALED)
 ARC97-019 IAB1 LVAP(ALLHL SEALED)

LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH 2.200 2.200 2.200 2.200 2.200
 ELV-IB .000 8.000 8.000 .000 8.000
 RN/FT 2.500 2.500 2.500 2.500 2.500
 ELV-OB .000 .000 -4.000 .000 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

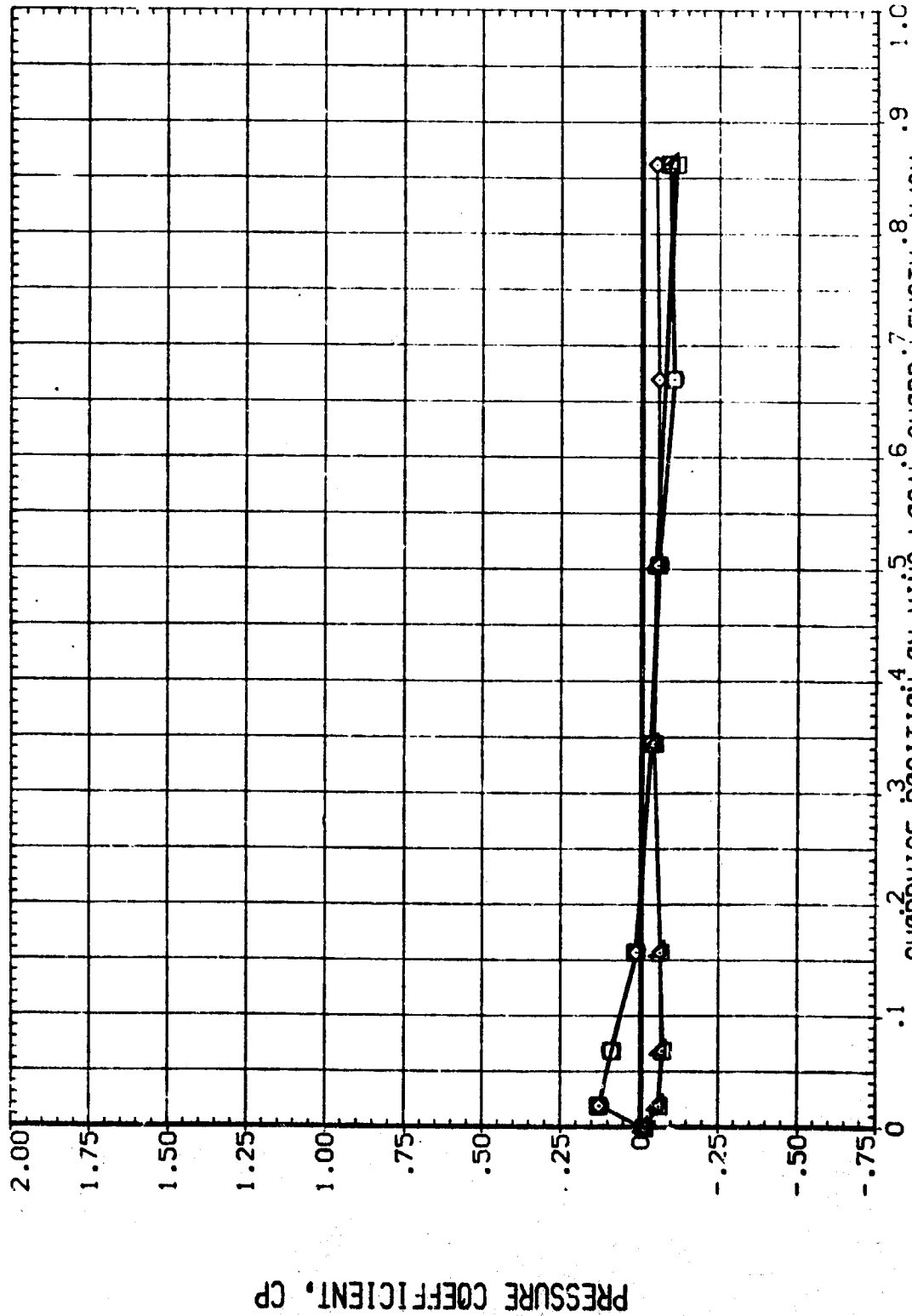
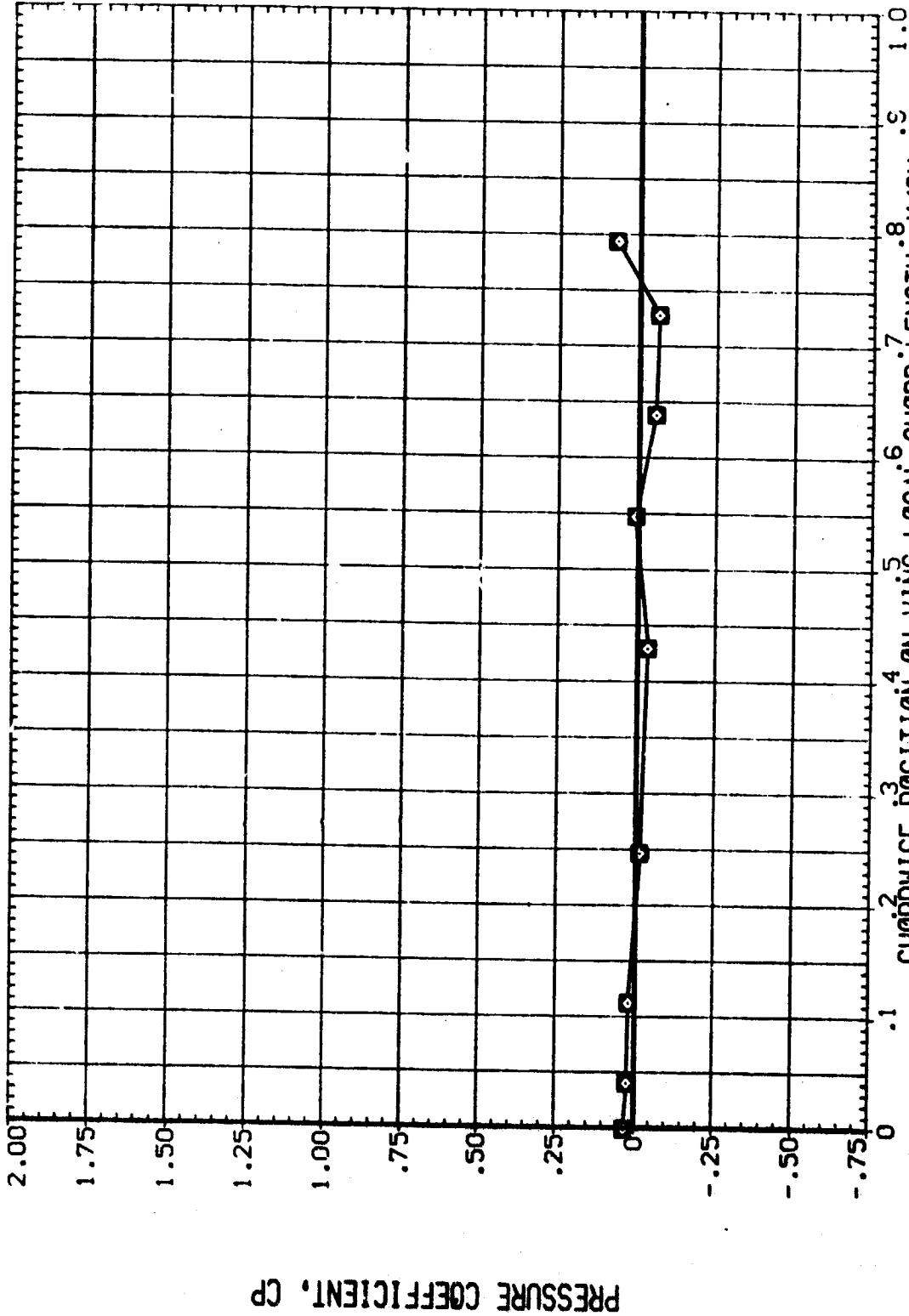


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (IETU41)  ARCS97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETU45)  ARCS97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETU37)  ARCS97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (IETL41)  DATA NOT AVAILABLE
 (IETL45)  DATA NOT AVAILABLE
 (IETL37)  DATA NOT AVAILABLE

MACH ELV-18 ELV-08
 2.200 2.500 2.500
 2.200 8.000 8.000
 2.200 8.000 -4.000
 2.200 8.000 8.000
 2.200 8.000 8.000
 2.200 8.000 -4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

ALPHA0 = -4.000 BETA0 = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1E1U41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E1U45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E1U37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1E1L41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E1L45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E1L37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

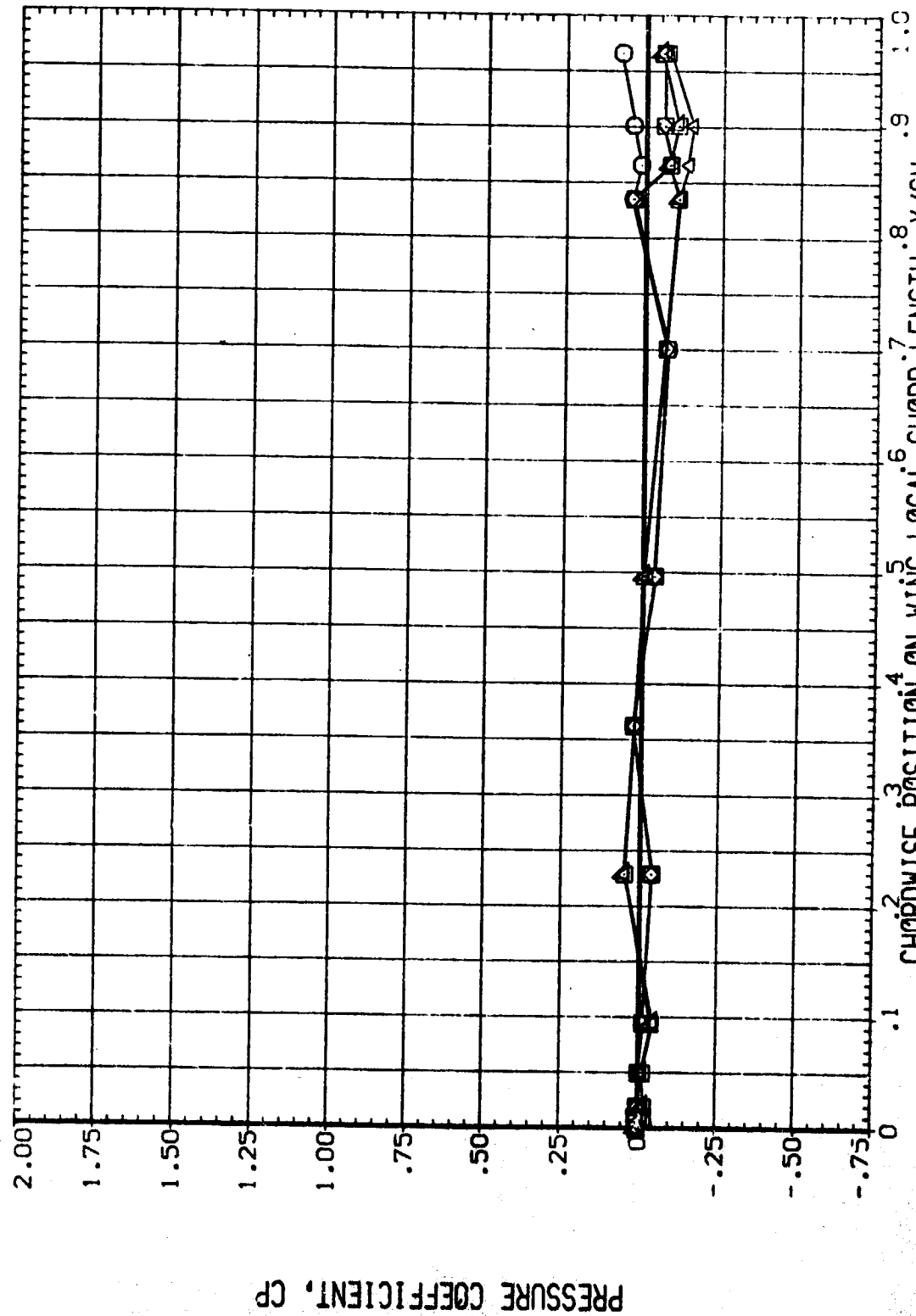


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .299 PAGE 1449

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV - LB	RN/FT	ELV - OB
(IETU41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

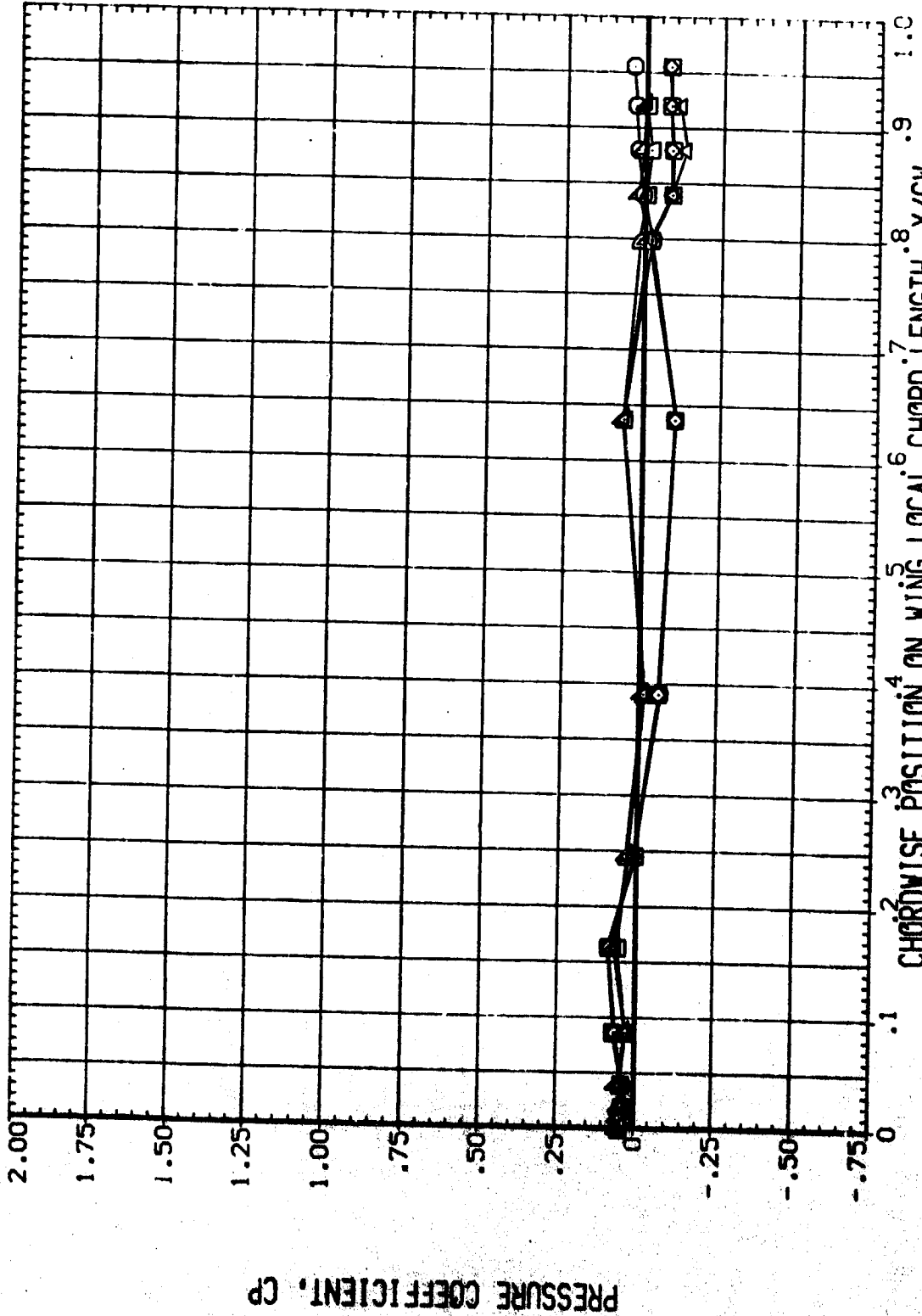


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA0 = -4.000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU1)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU5)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU7)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

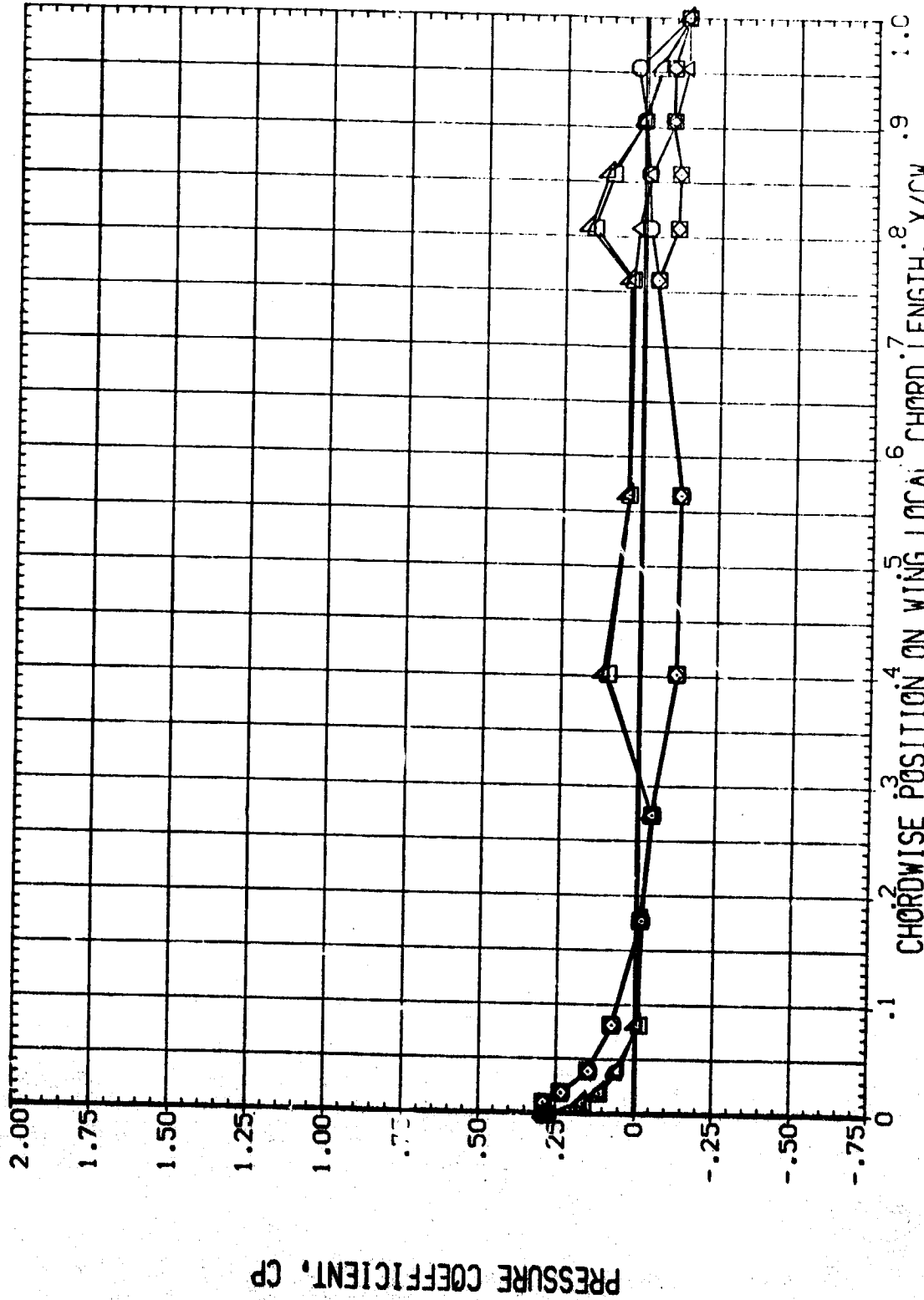


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT., SPDBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .427 PAGE :451

DATA SET SYMBOL
 (IETU41)
 (IETU45)
 (IETU07)
 (IETL41)
 (IETL45)
 (IETL37)

CONFIGURATION DESCRIPTION
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)
 ARC97-019 IAB1 LVAP(ALLM SEALED)

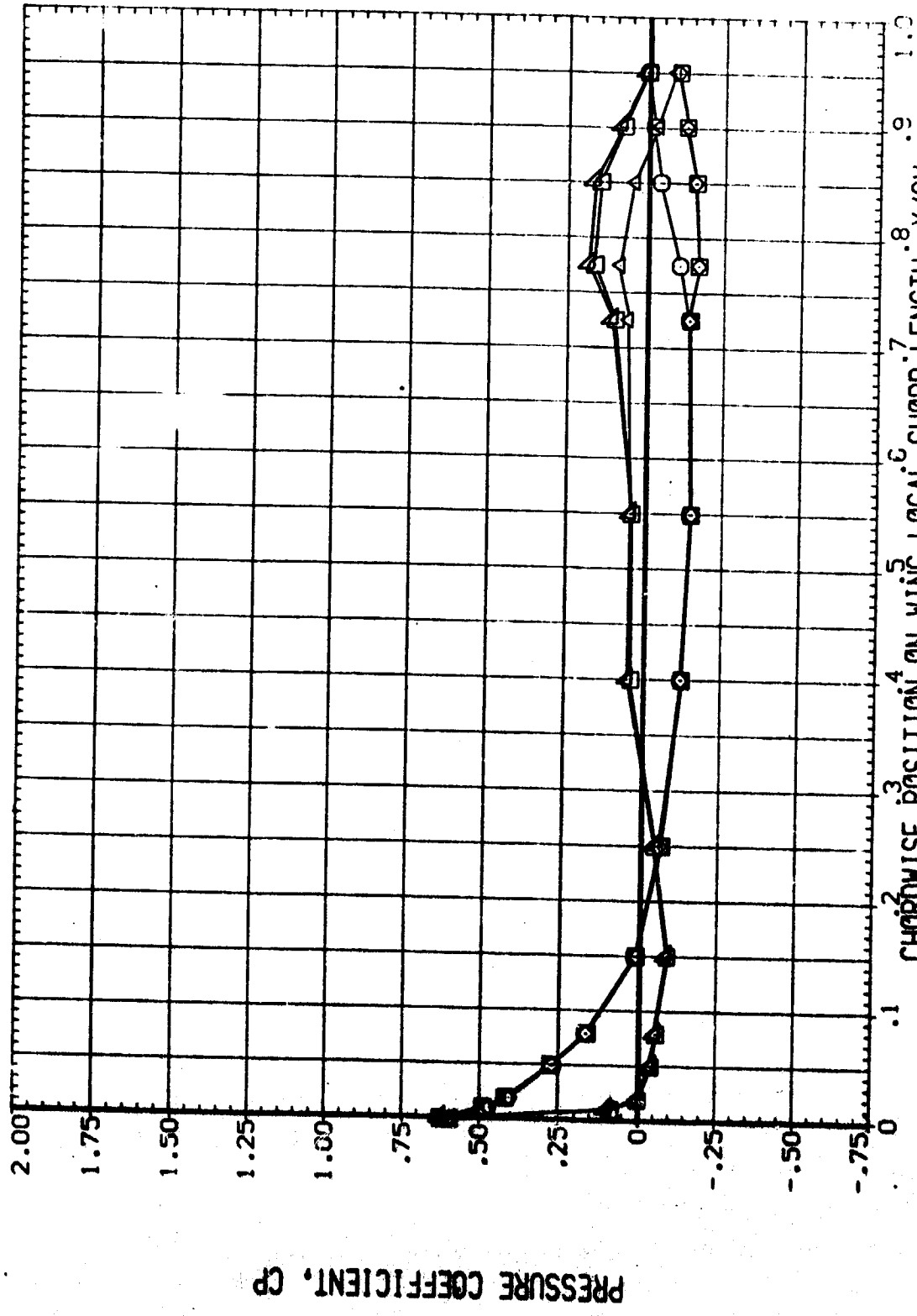
LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 2.200
 2.200
 2.200
 2.200
 2.200

ELV-IB
 .000
 8.000
 8.000
 .000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-OB
 .000
 .000
 -4.000
 .000
 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT, SPD BRK = 0, MACH = 2.20

ALPHA = -4.000 BETA = .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALL) L SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

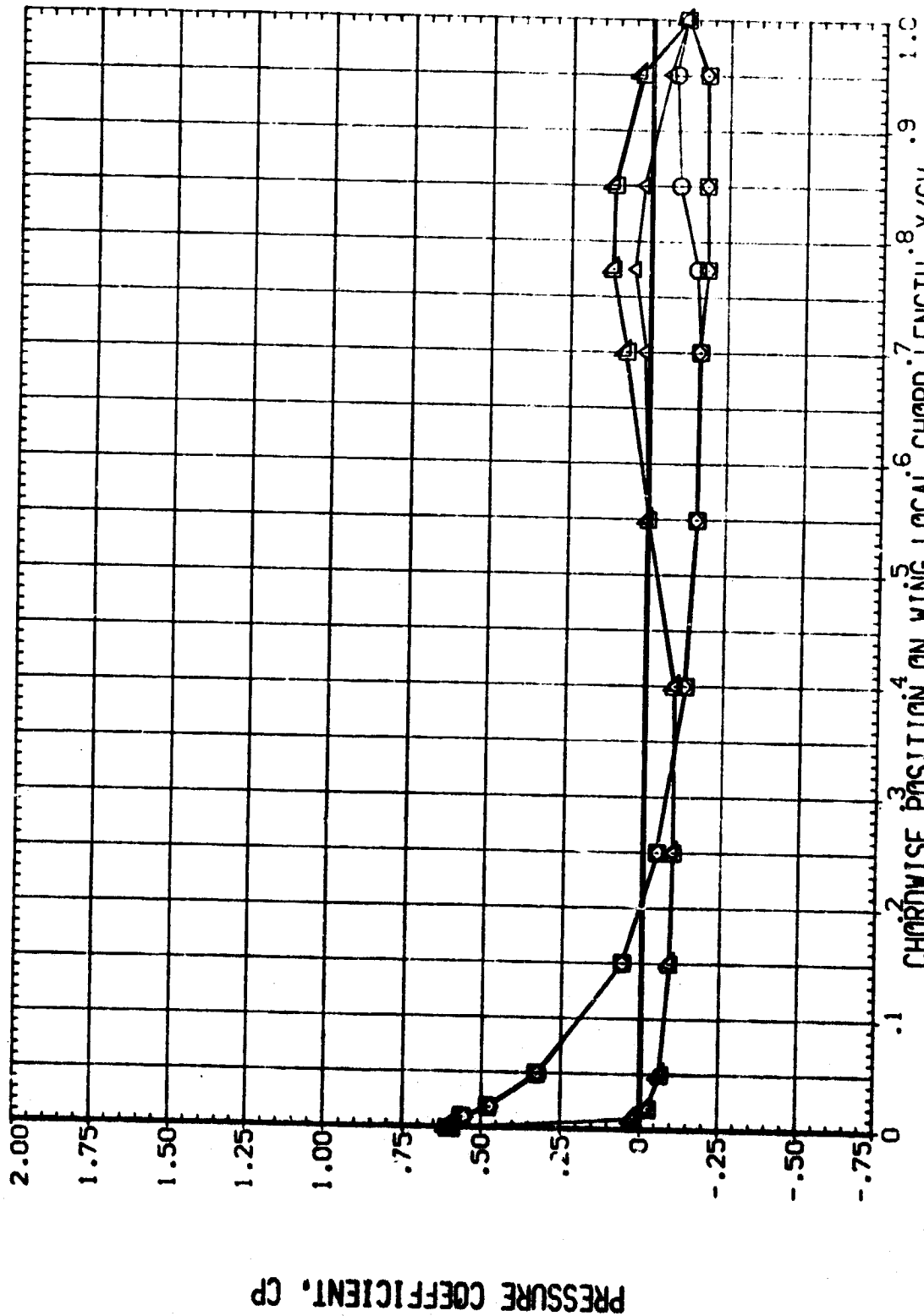


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA = -4.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	W/FT	ELV-08
(IETM1)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETM2)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETM3)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL4)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL5)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL6)	ARC97-019 A8 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

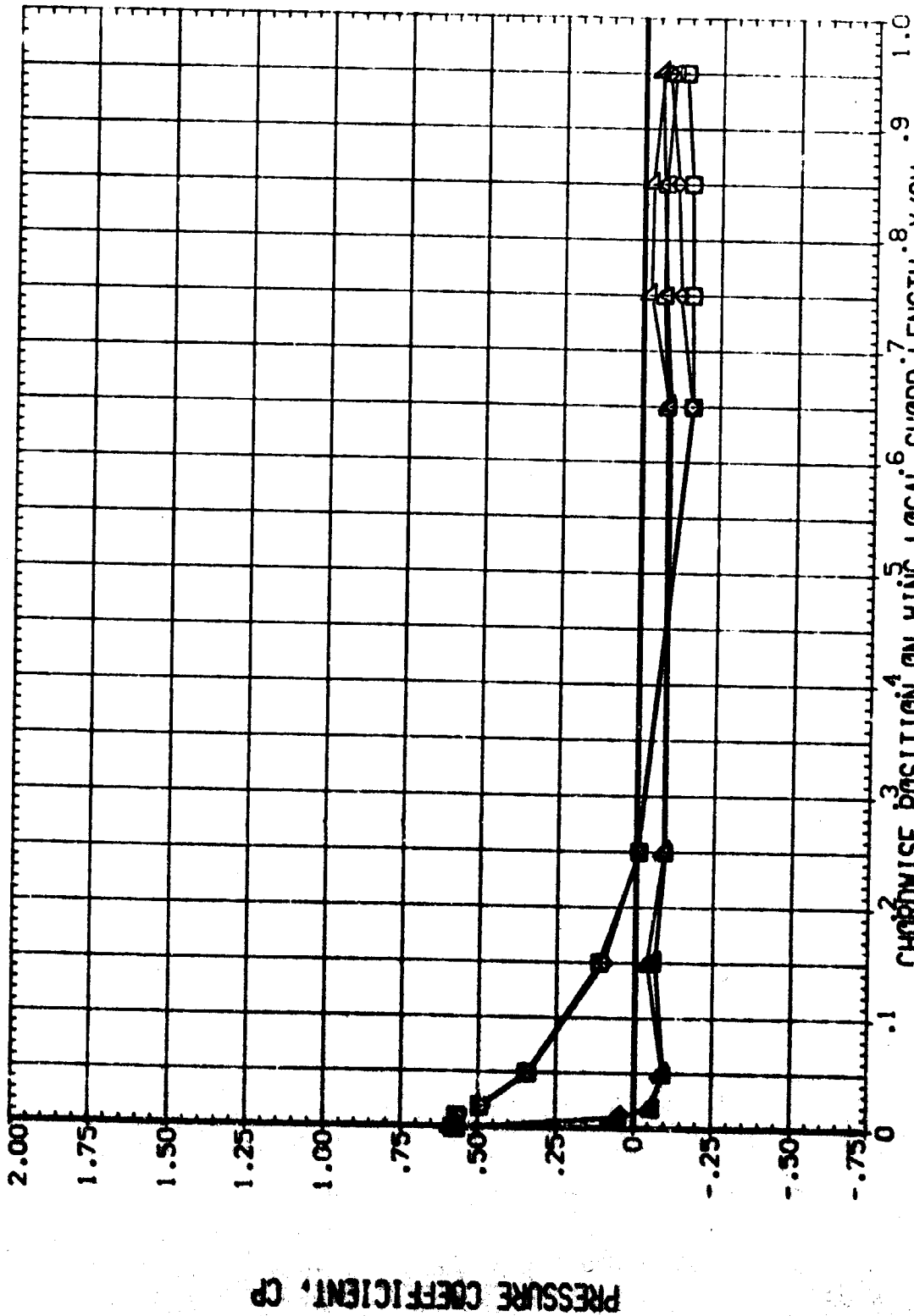


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.20

ALPHA = -4.000 BETA = .000 Y/BW = .780 PAGE 1454

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELY-18	RM/FT	ELV-08
(1ETU1)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU4)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU7)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL4)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL7)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL9)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

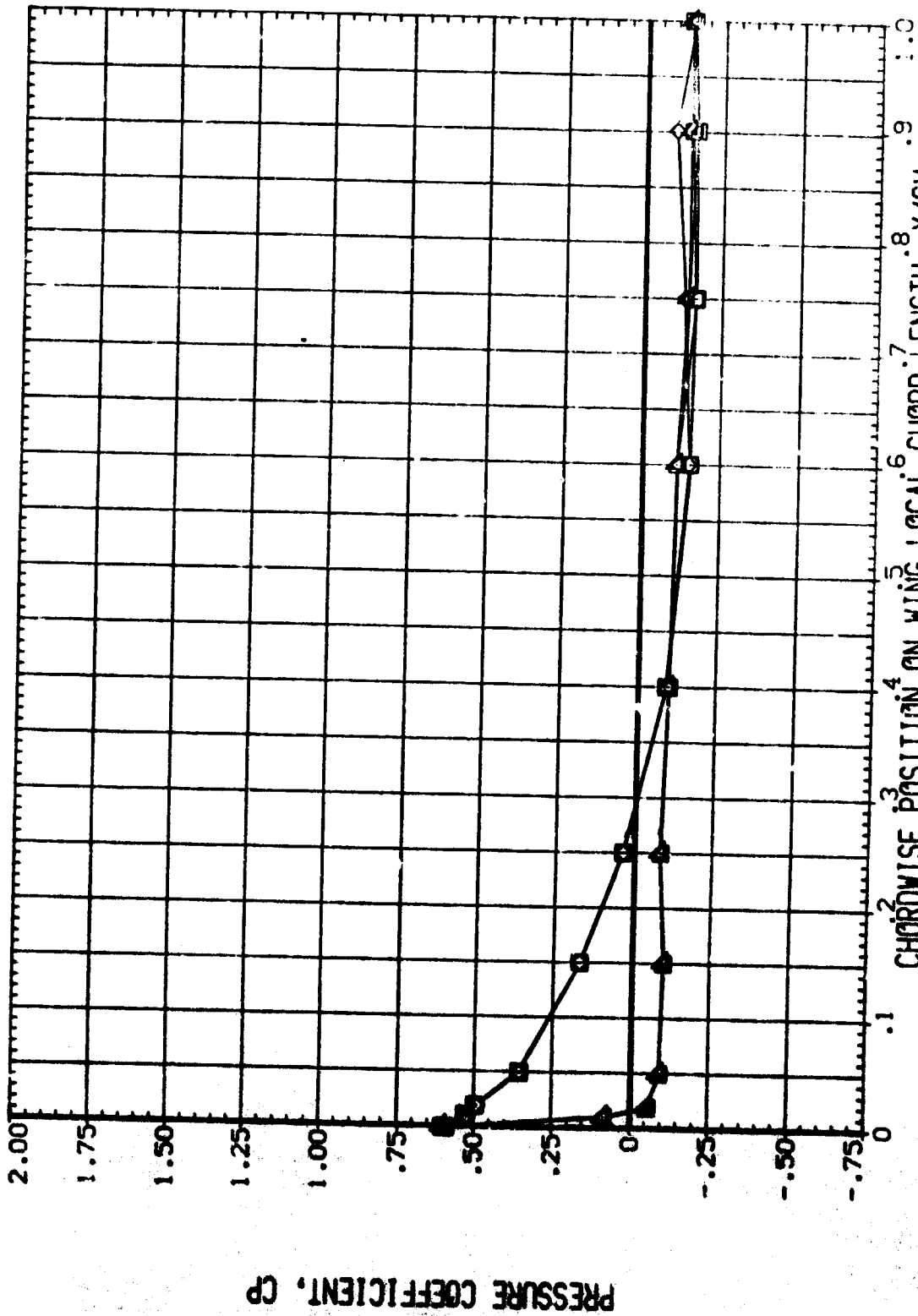
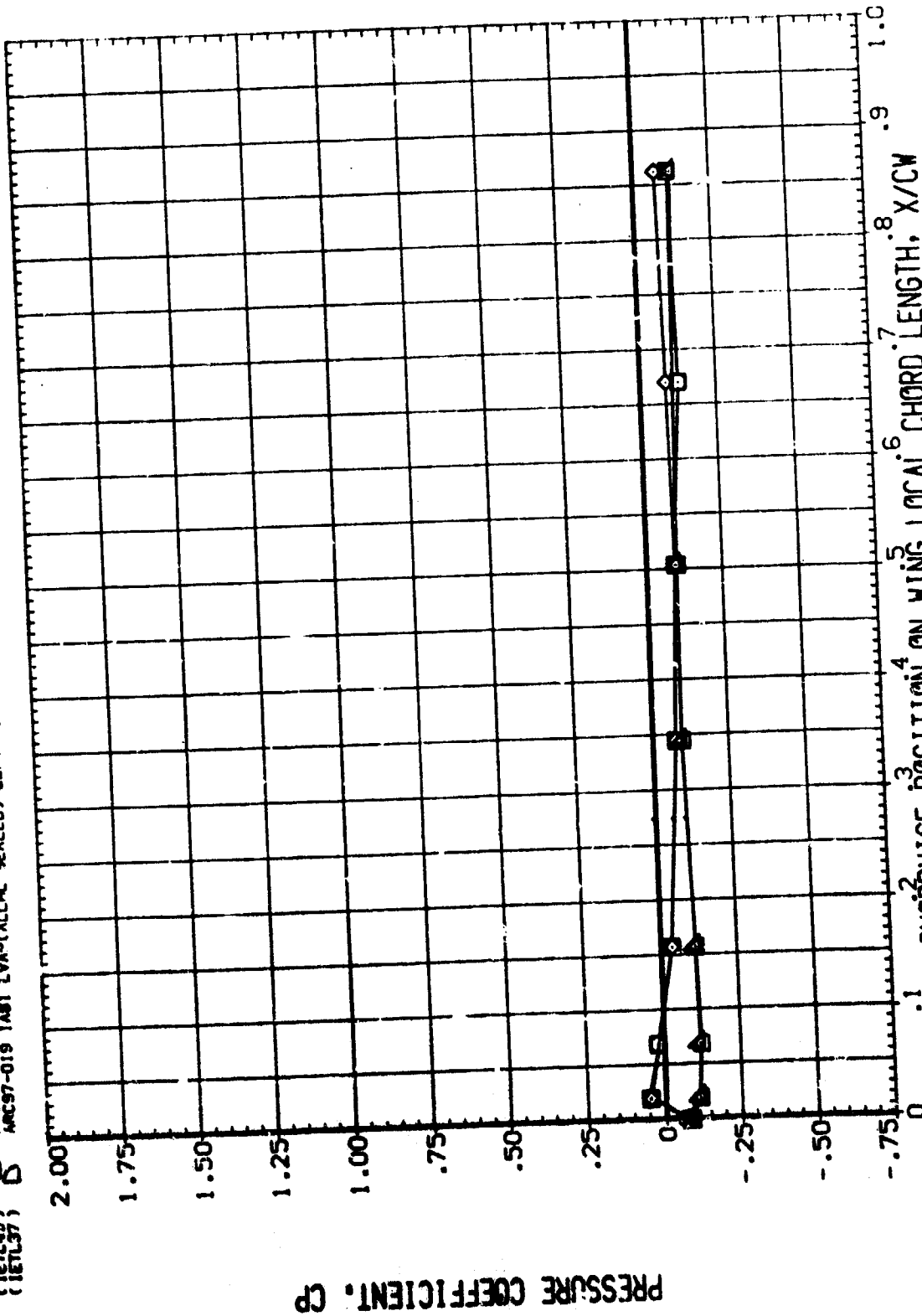


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = -4.000 BETA = .000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IETL01)	ARC97-019 IAS1 LVAP(ALLM, SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETL02)	ARC97-019 IAS1 LVAP(ALLM, SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETL03)	ARC97-019 IAS1 LVAP(ALLM, SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL04)	ARC97-019 IAS1 LVAP(ALLM, SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL05)	ARC97-019 IAS1 LVAP(ALLM, SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .972
 PAGE 1456

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000
(IETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(IETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(IETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

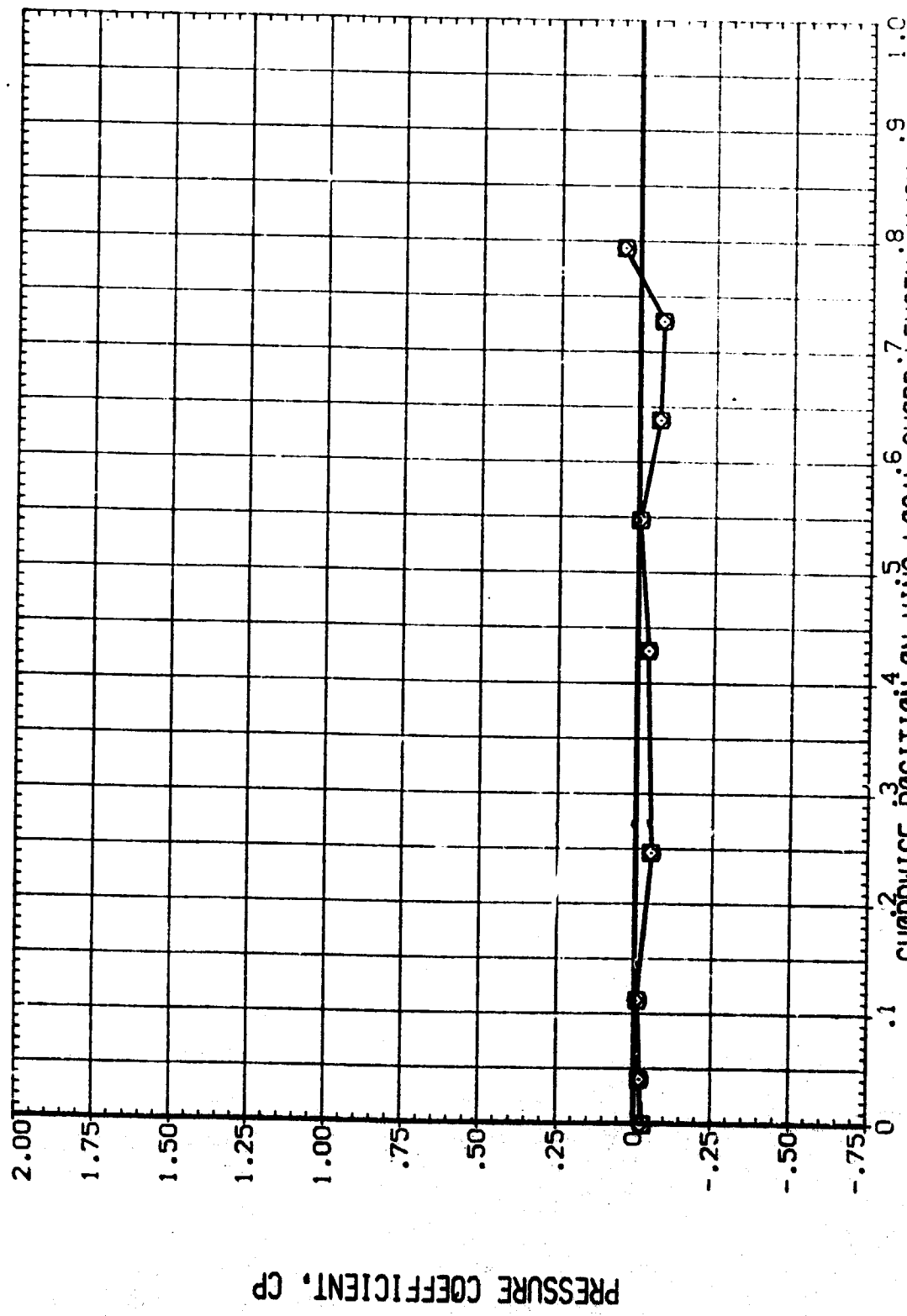


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .235
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL
 (IETU41)
 (IETU45)
 (IETU77)
 (IETL41)
 (IETL45)
 (IETL37)

CONFIGURATION DESCRIPTION
 ARCS7-019 (AB1 LVAPCALLHL SEALED)
 ARCS7-019 (AB1 LVAPCALLHL SEALED)
 ARCS7-019 (AB1 LVAPCALLHL SEALED)
 ARCS7-019 (AB1 LVAPCALLHL SEALED)
 ARCS7-019 (AB1 LVAPCALLHL SEALED)

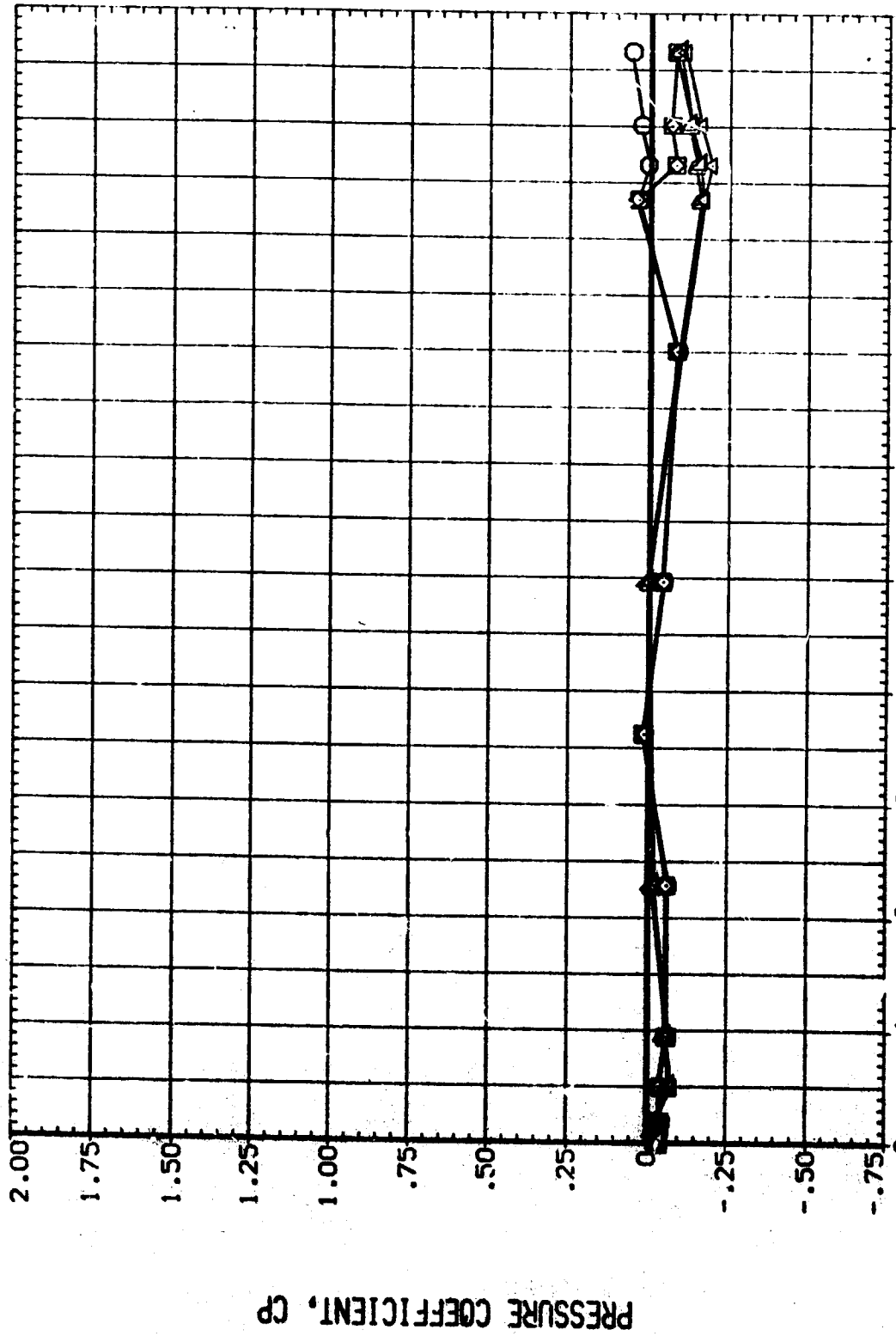
LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH
 2.200
 2.200
 2.200
 2.200
 2.200

ELV-1B
 .060
 8.000
 8.000
 8.000
 8.000

RN/FT
 2.500
 2.500
 2.500
 2.500
 2.500

ELV-09
 .000
 .000
 -4.000
 .000
 -4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = -4.000 BETA = 4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000

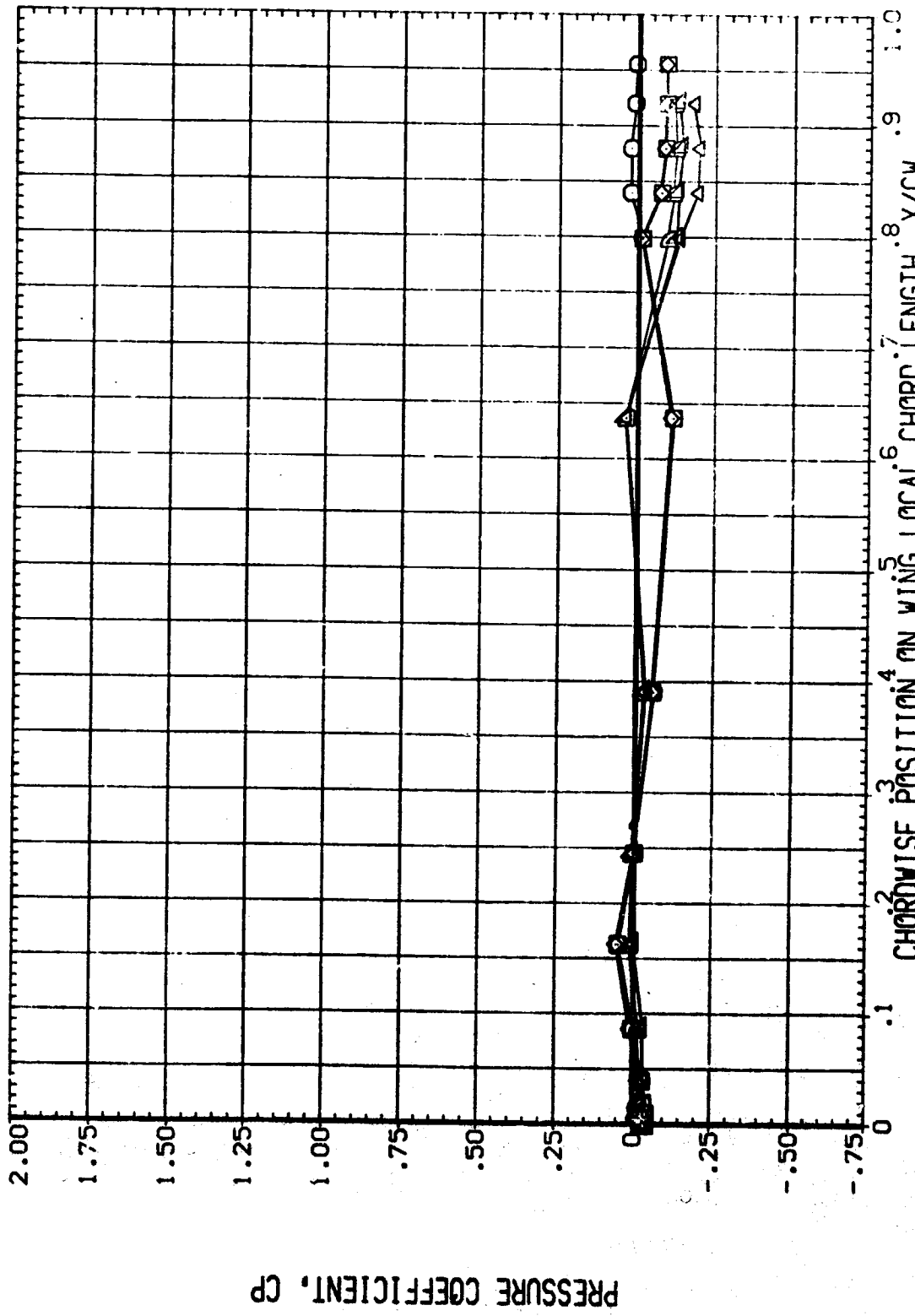
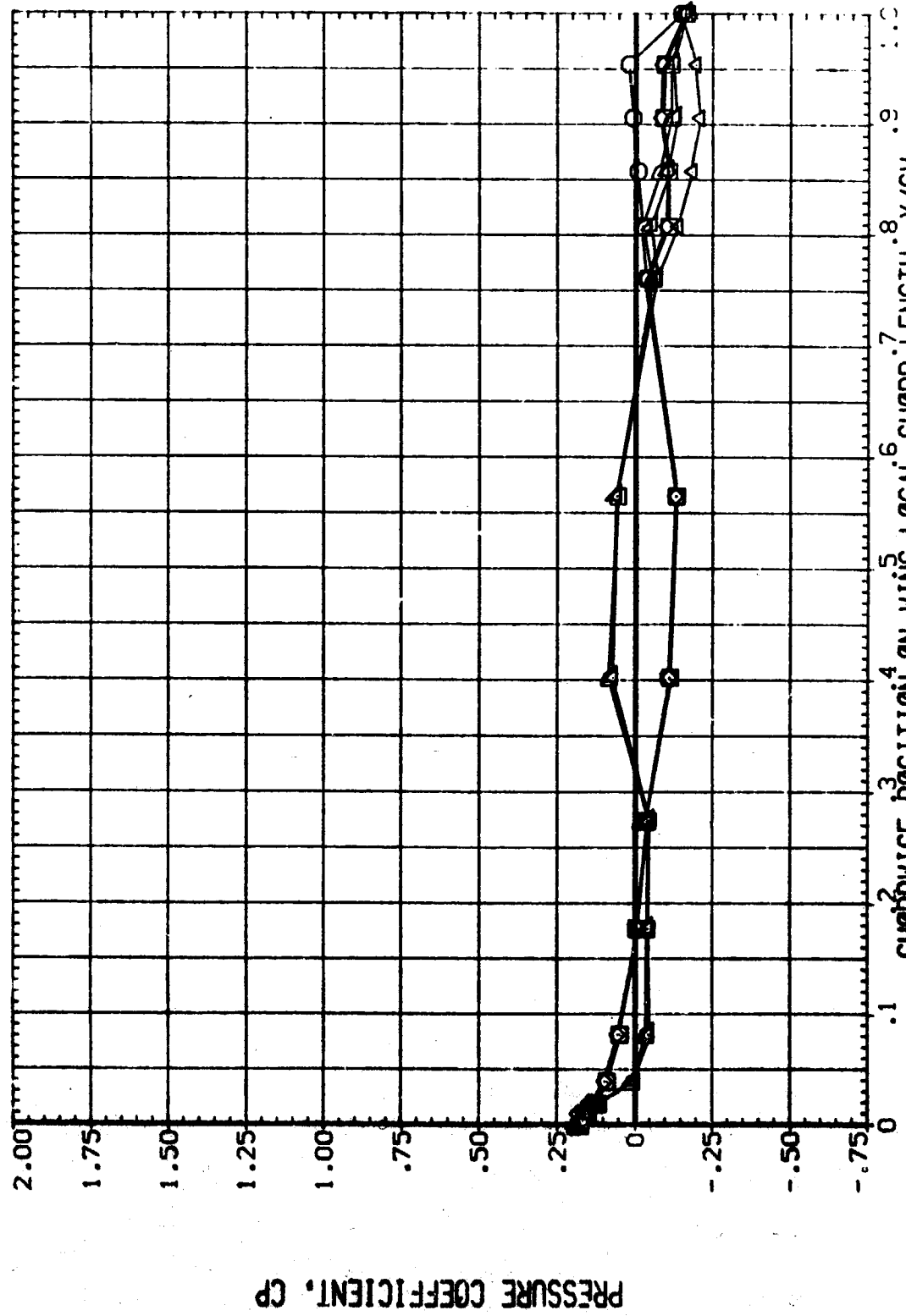


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 2.20
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .364 PAGE 1459

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-1B8

(IETL41) (IETL45) (IETL47) (IETL41) (IETL45) (IETL47)
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.
 ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .427 PAGE 1460

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

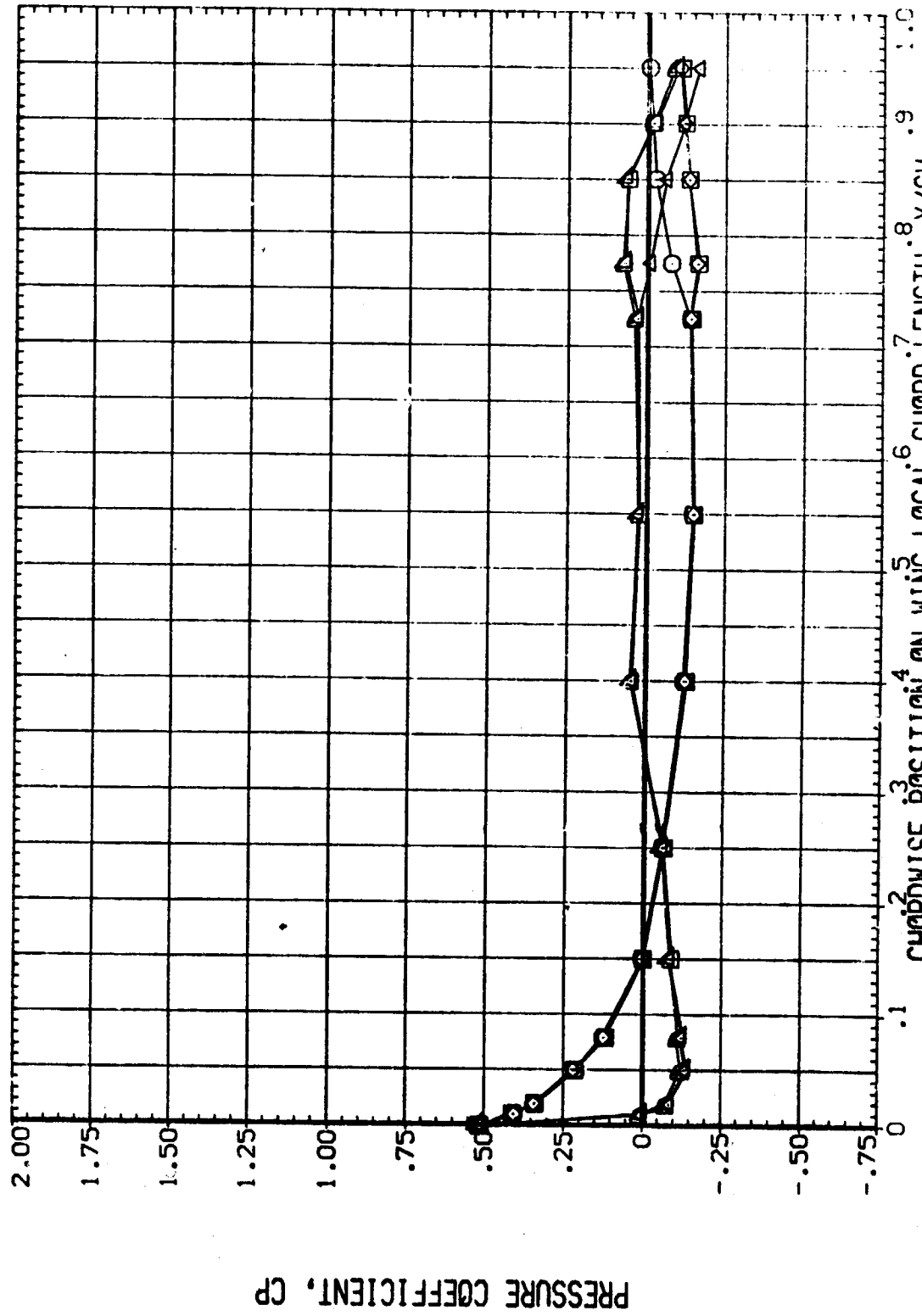


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B

(IETU41) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.200 .000 2.500 .000

(IETU45) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.200 .000 2.500 .000

(IETU37) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.200 .000 2.500 .000

(IETL41) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.200 .000 2.500 .000

(IETL45) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.200 .000 2.500 .000

(IETL37) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.200 .000 2.500 .000

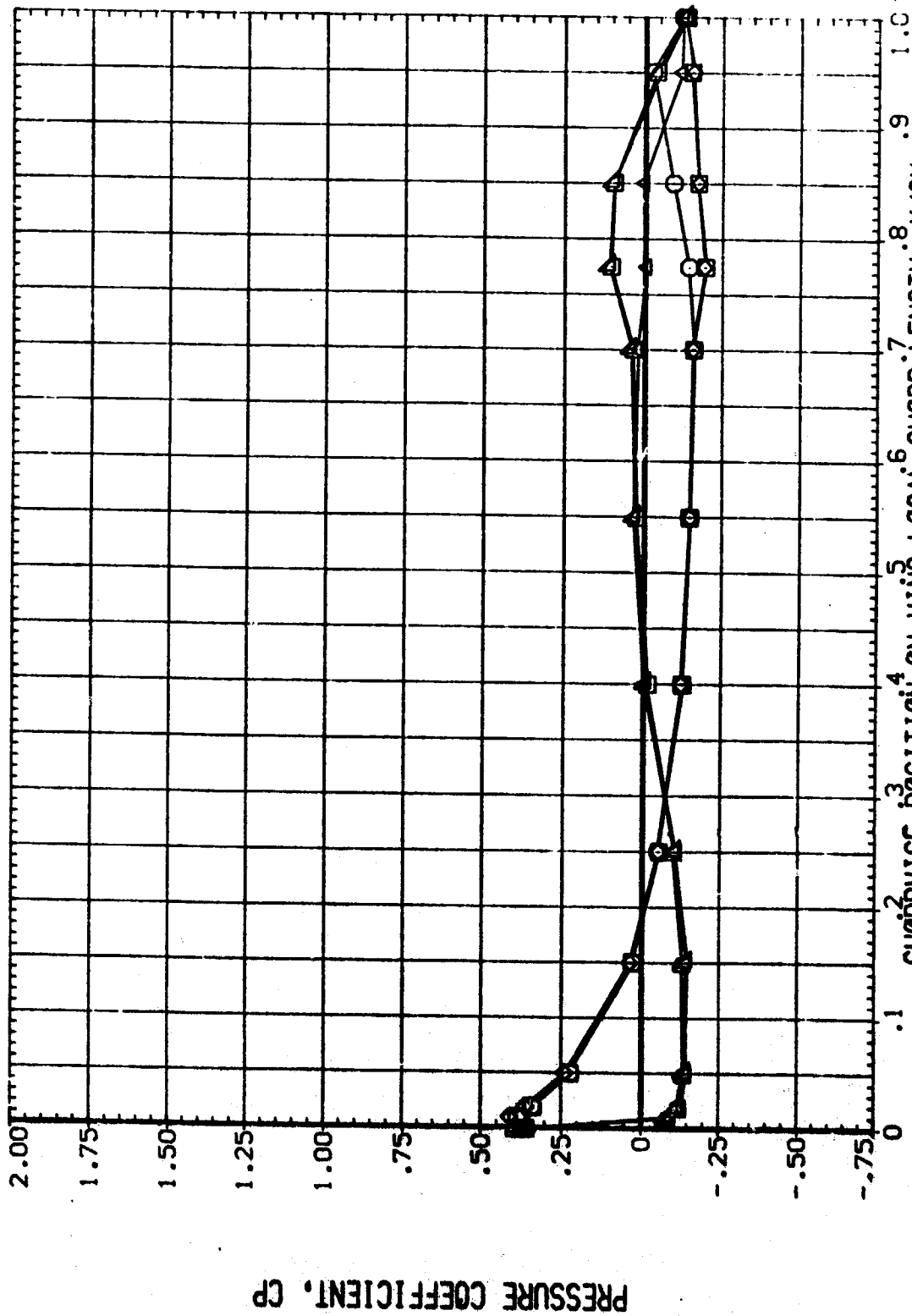


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .673 PAGE 1462

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RM/FT	ELV-OB
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

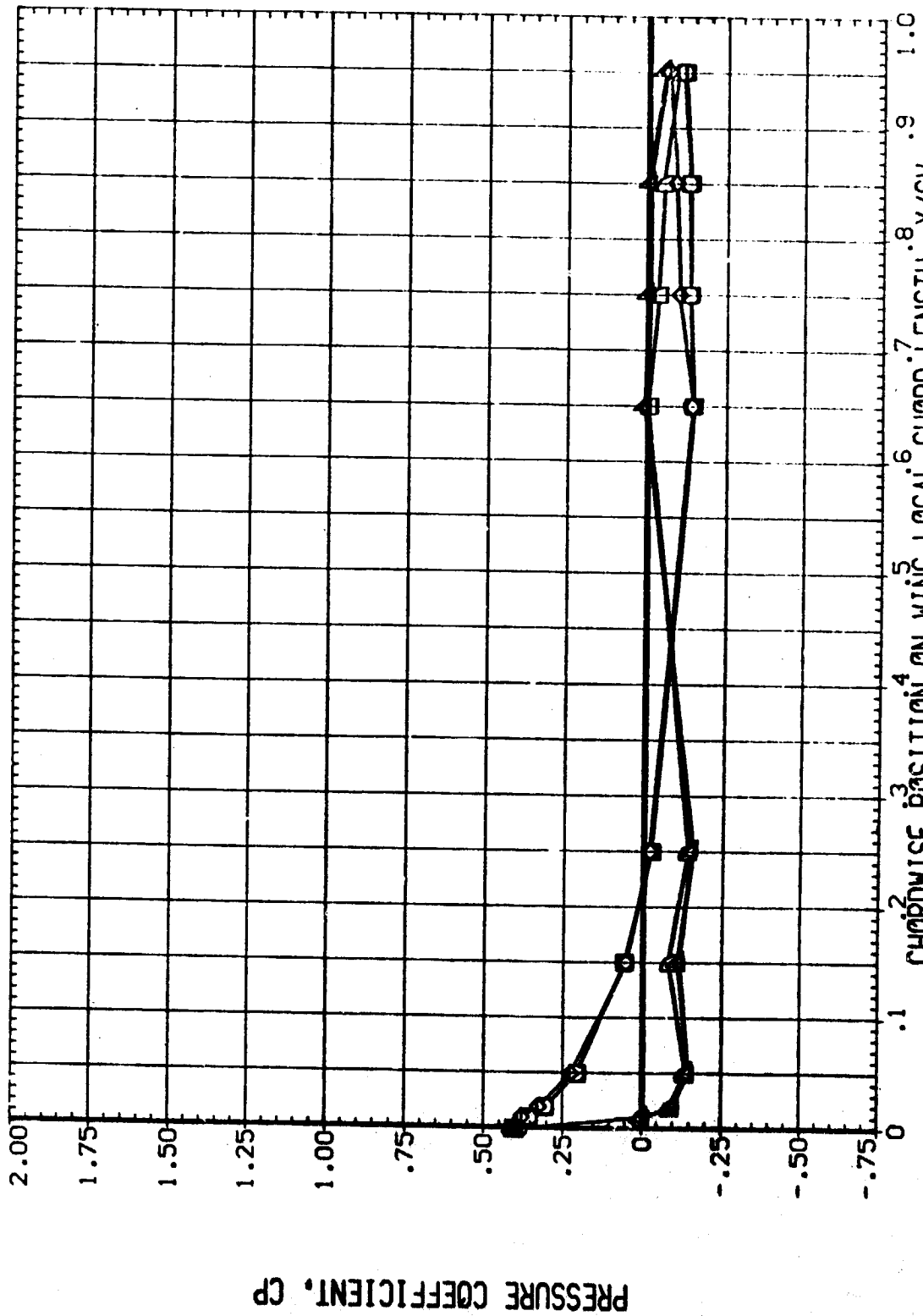


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = 780 PAGE 1463

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU07)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000

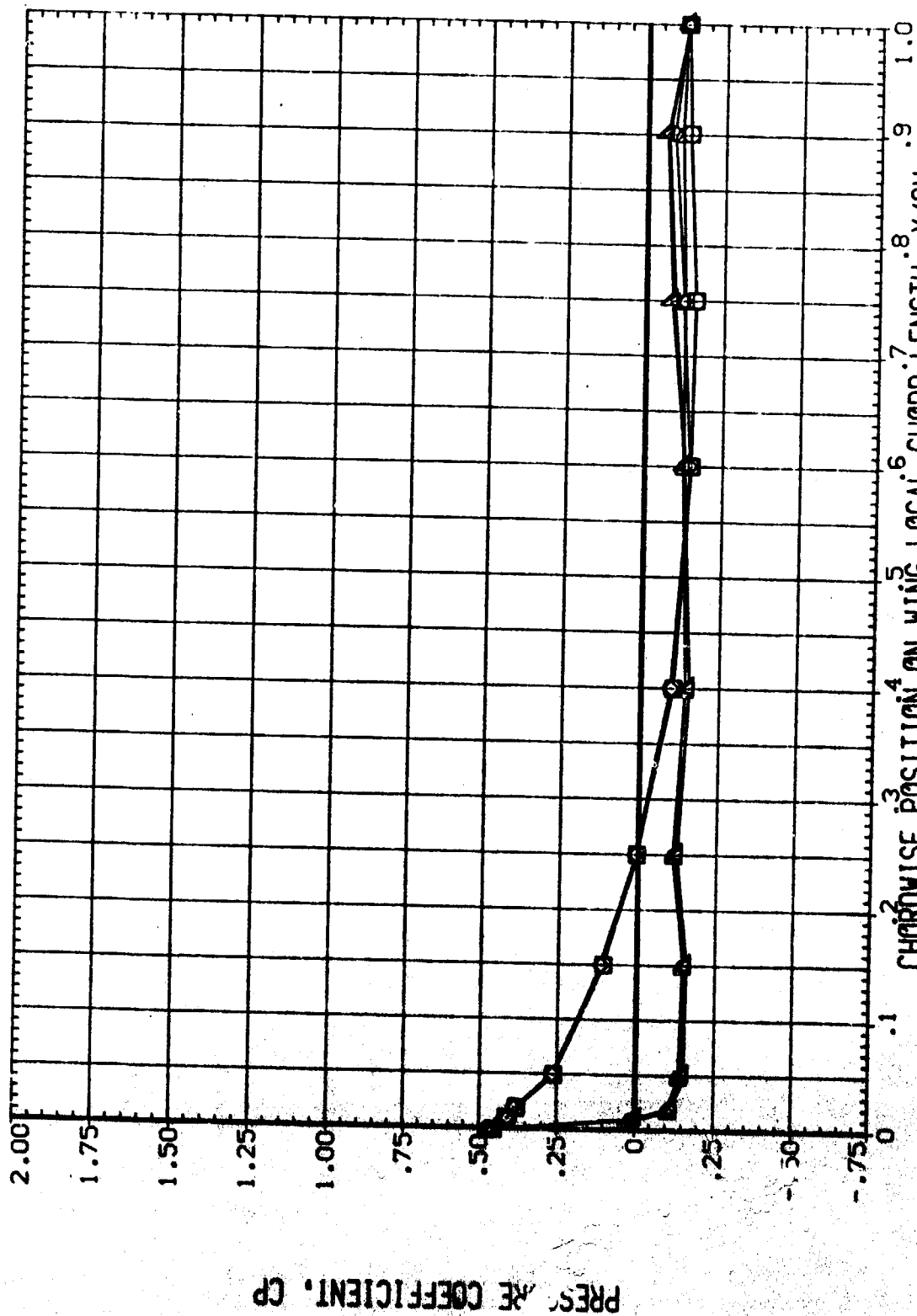
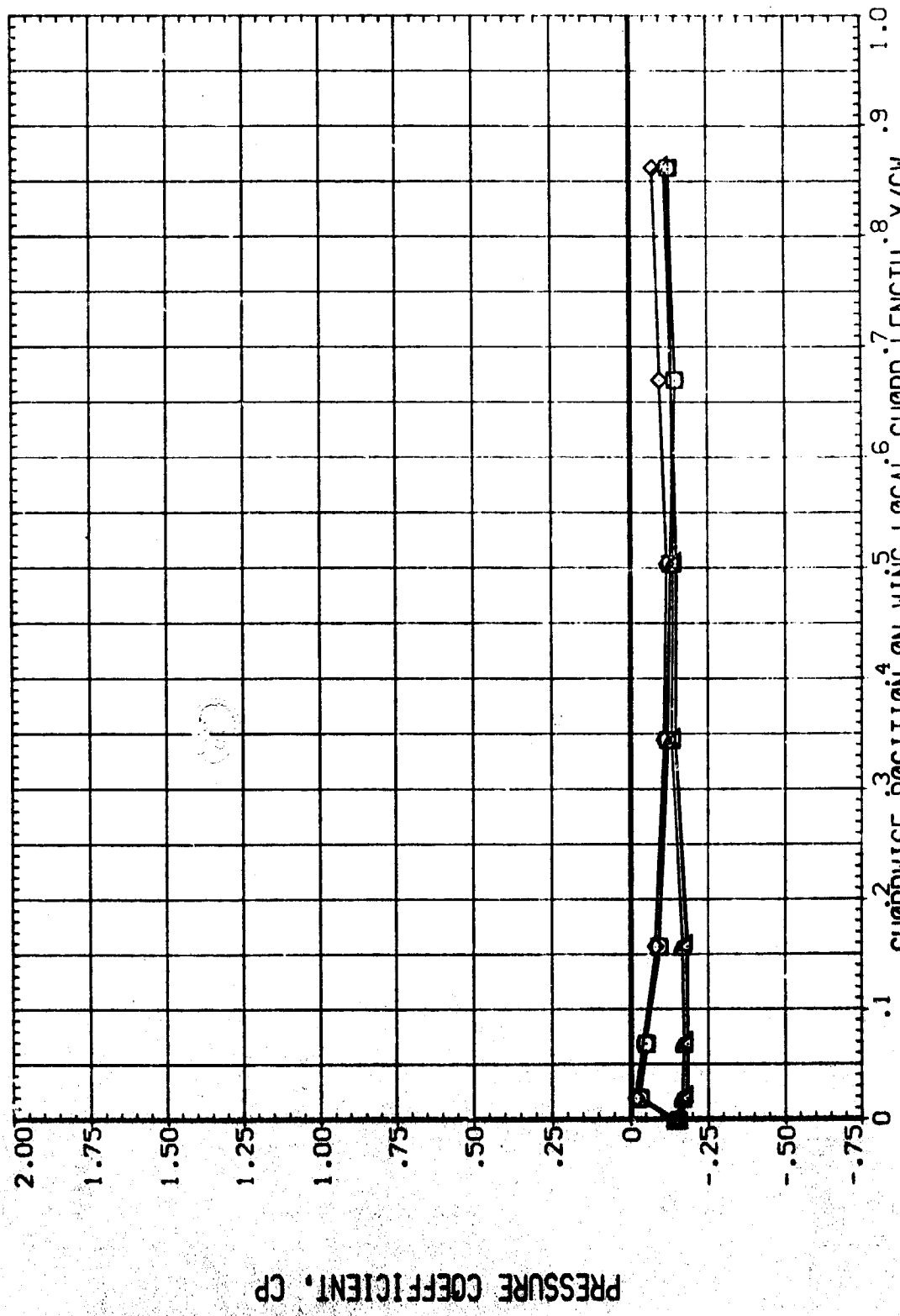


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .887 PAGE 1464

DA 1 SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1E1M1)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E1M45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E1U37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1E1L41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E1L45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E1L37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA = -4.000 BETA = 4.000 Y/BW = .972 PAGE 1465

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAP(ALL ML SEALED)	2.200	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALL ML SEALED)	2.200	8.000	2.500	.000
(1ETU47)	ARC97-019 IAB1 LVAP(ALL ML SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(1ETL43)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1ETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

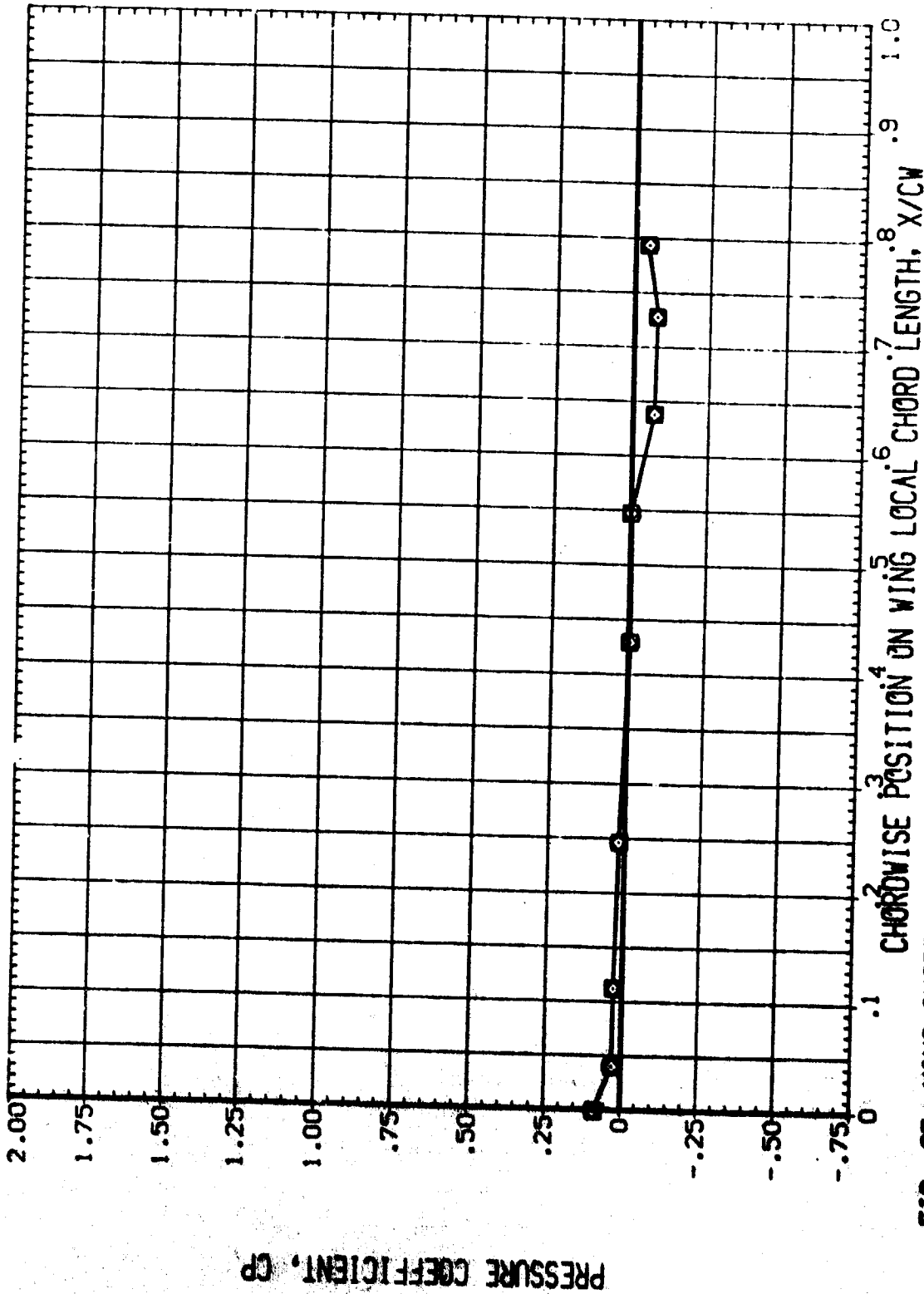


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA = .000 BETA = -6.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETM1)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETM5)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETM7)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

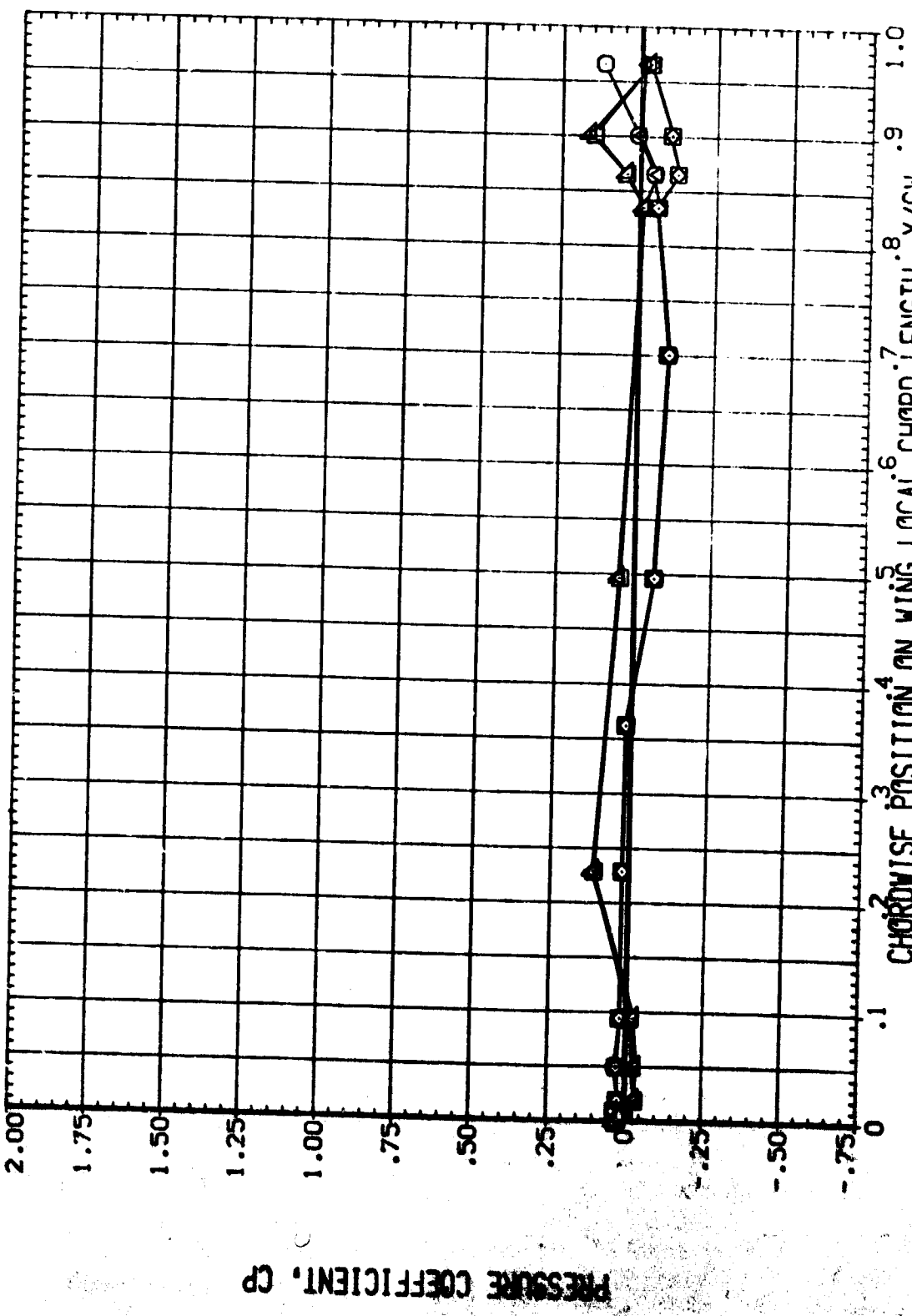


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = .000 BETA = -6.000 Y/BW = .299 PAGE 1467

DATA SET SYMBOL
 ()
 ()
 ()
 ()
 ()

CONFIGURATION DESCRIPTION
 ARC97-019 IAS1 LVAP(ALLM SEALED)
 ARC97-019 IAS1 LVAP(ALLM SEALED)
 ARC97-019 IAS1 LVAP(ALLM SEALED)
 ARC97-019 IAS1 LVAP(ALLM SEALED)
 ARC97-019 IAS1 LVAP(ALLM SEALED)

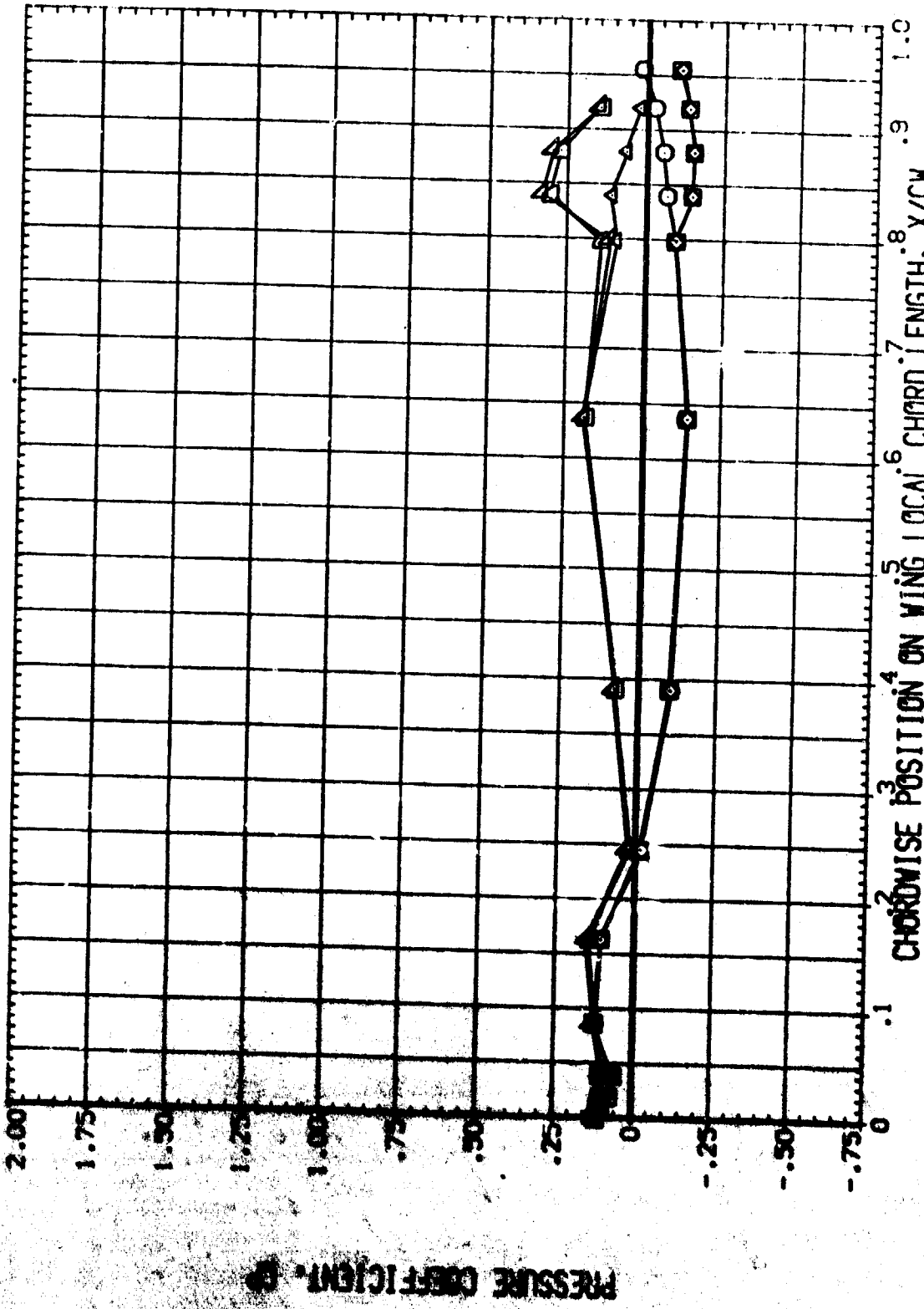
LEFT WING TOP
 LEFT WING TOP
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

MACH 2.200
 2.200
 2.200
 2.200
 2.200

ELV-1B .000
 8.000
 8.000
 8.000
 8.000

RN/FT 2.500
 2.500
 2.500
 2.500
 2.500

ELV-08 .000
 .000
 -4.000
 .000
 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

ALPHA = .000 BETA = -6.000 Y/BW = 364

DATA SET SYMBO. CONFIGURATION DESCRIPTION
 (IETUAS) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETUAS) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETUAS) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING TOP
 (IETL41) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING BOT.
 (IETL45) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING BOT.
 (IETL37) ARC97-019 IAS1 LVAP(ALLML SEALED) LEFT WING BOT.

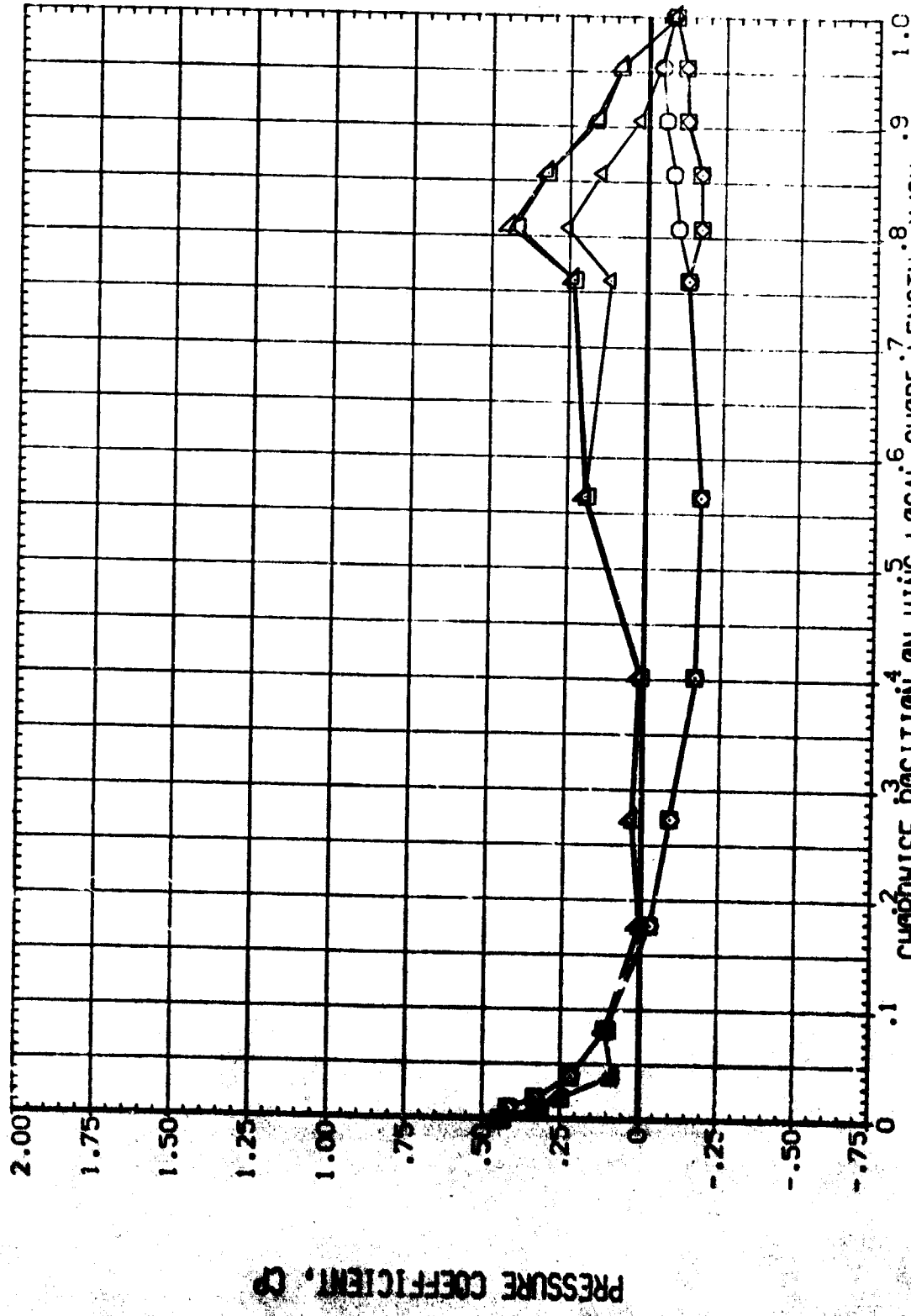


FIG. 87 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA = .000 BETA = -6.000 Y/BW = .427
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(SERV1)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(SERV2)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(SERV3)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(SERV4)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(SERV5)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(SERV6)	ANC37-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

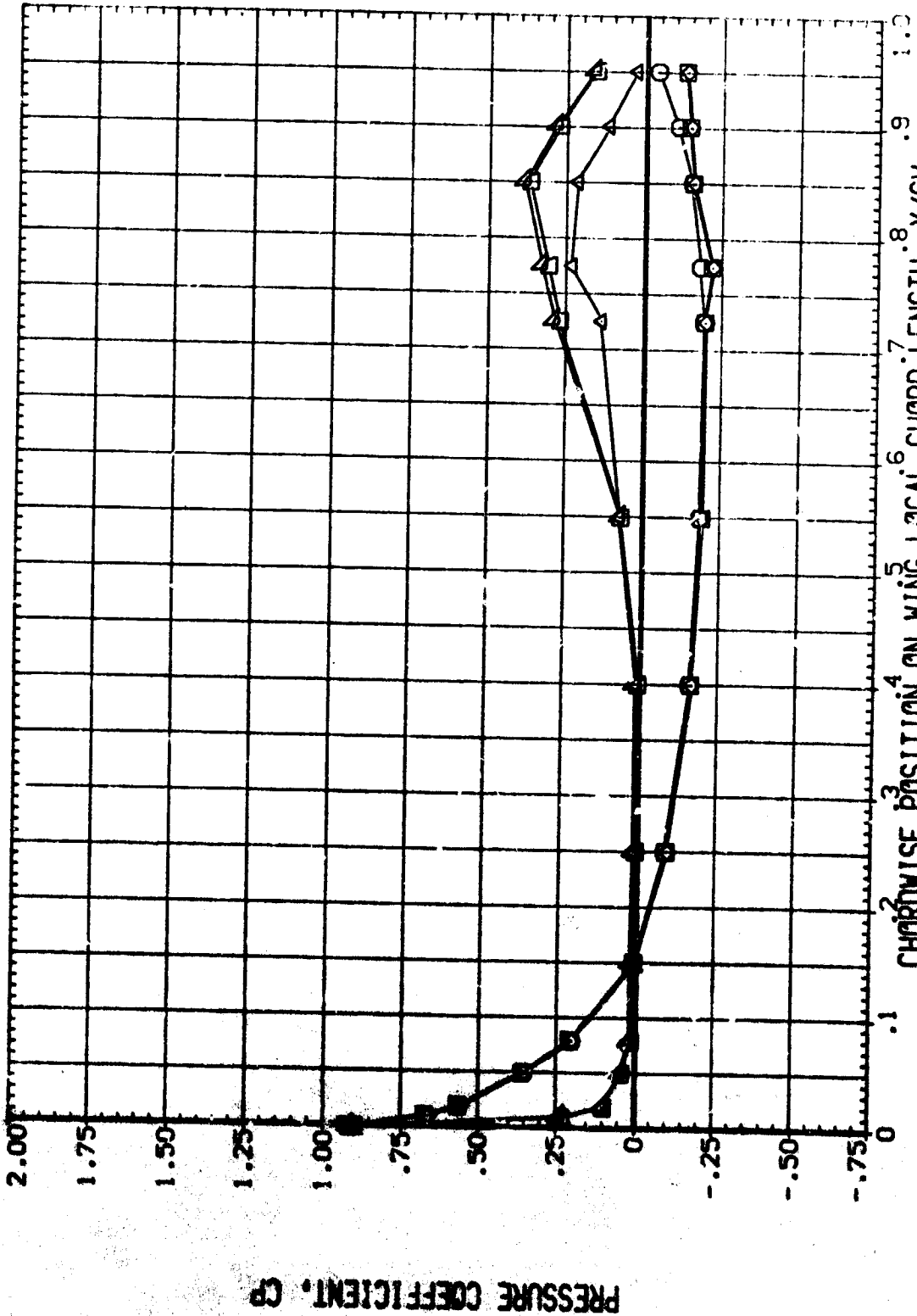


FIG. S7 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = .000 BETA = -6.000 Y/BW = .534 PAGE 1470

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SEALING	LEFT WING TOP	MACH	ELV-TB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLML)	SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000

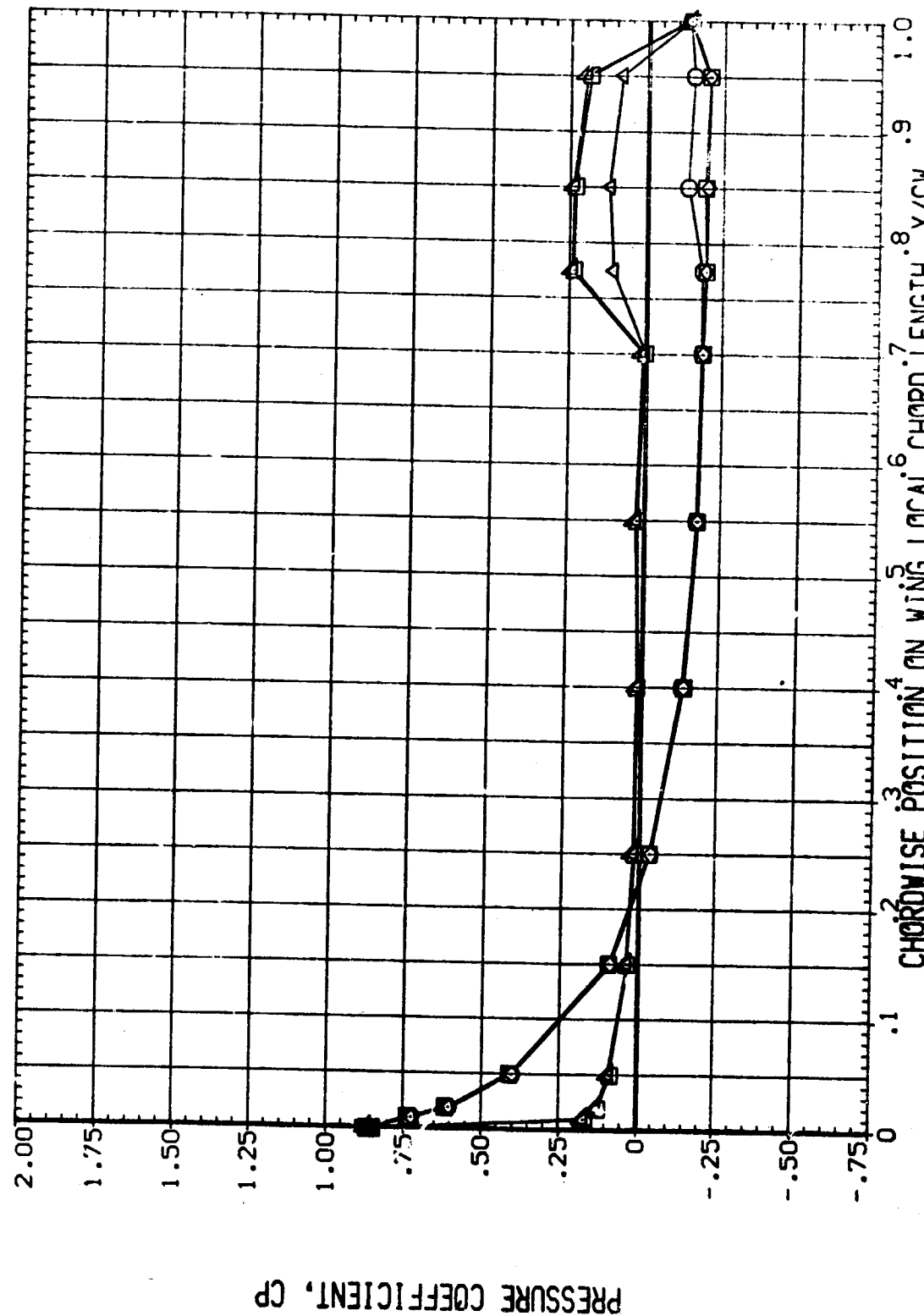
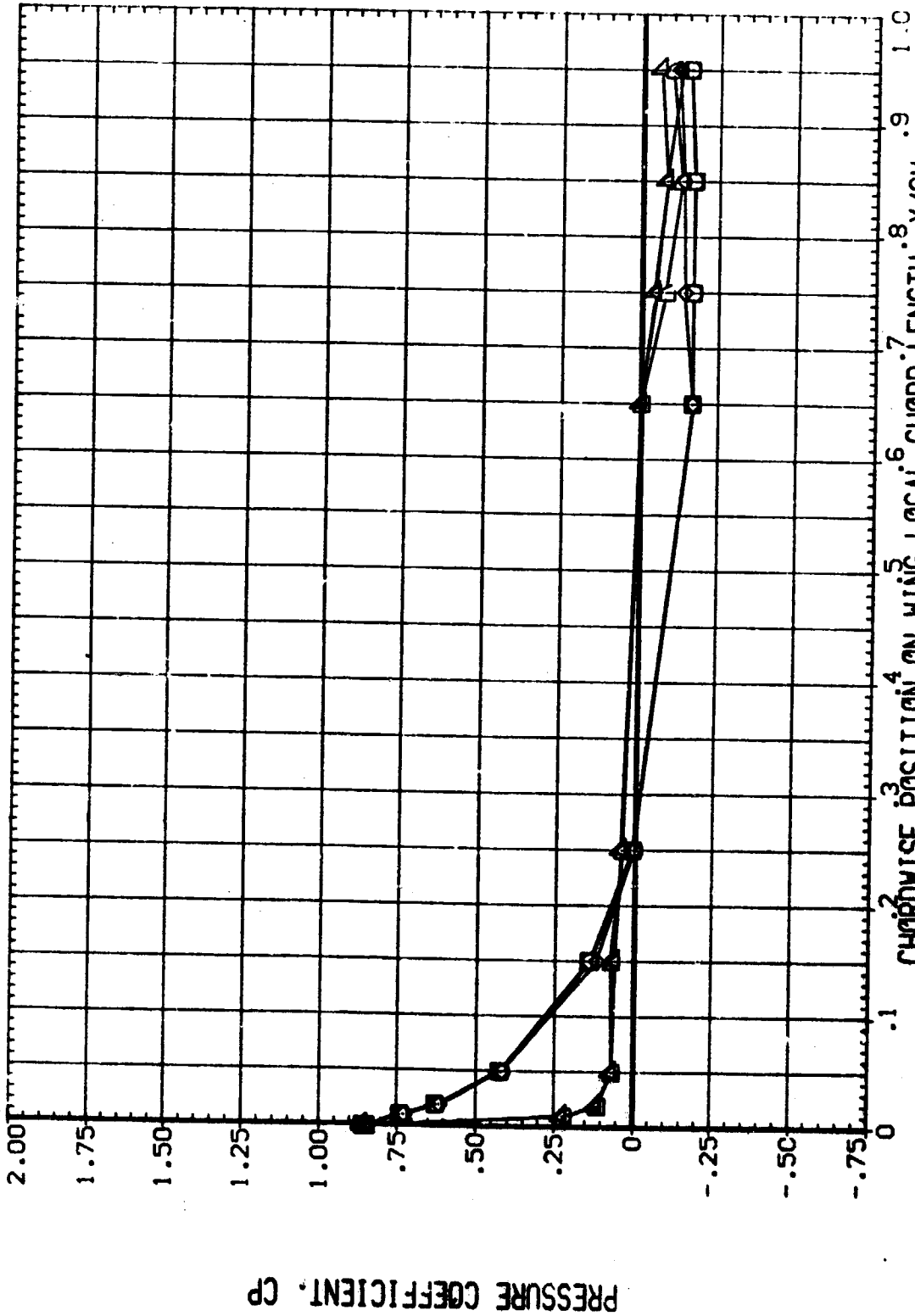


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA0 = .000 BETA0 = -6.000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000

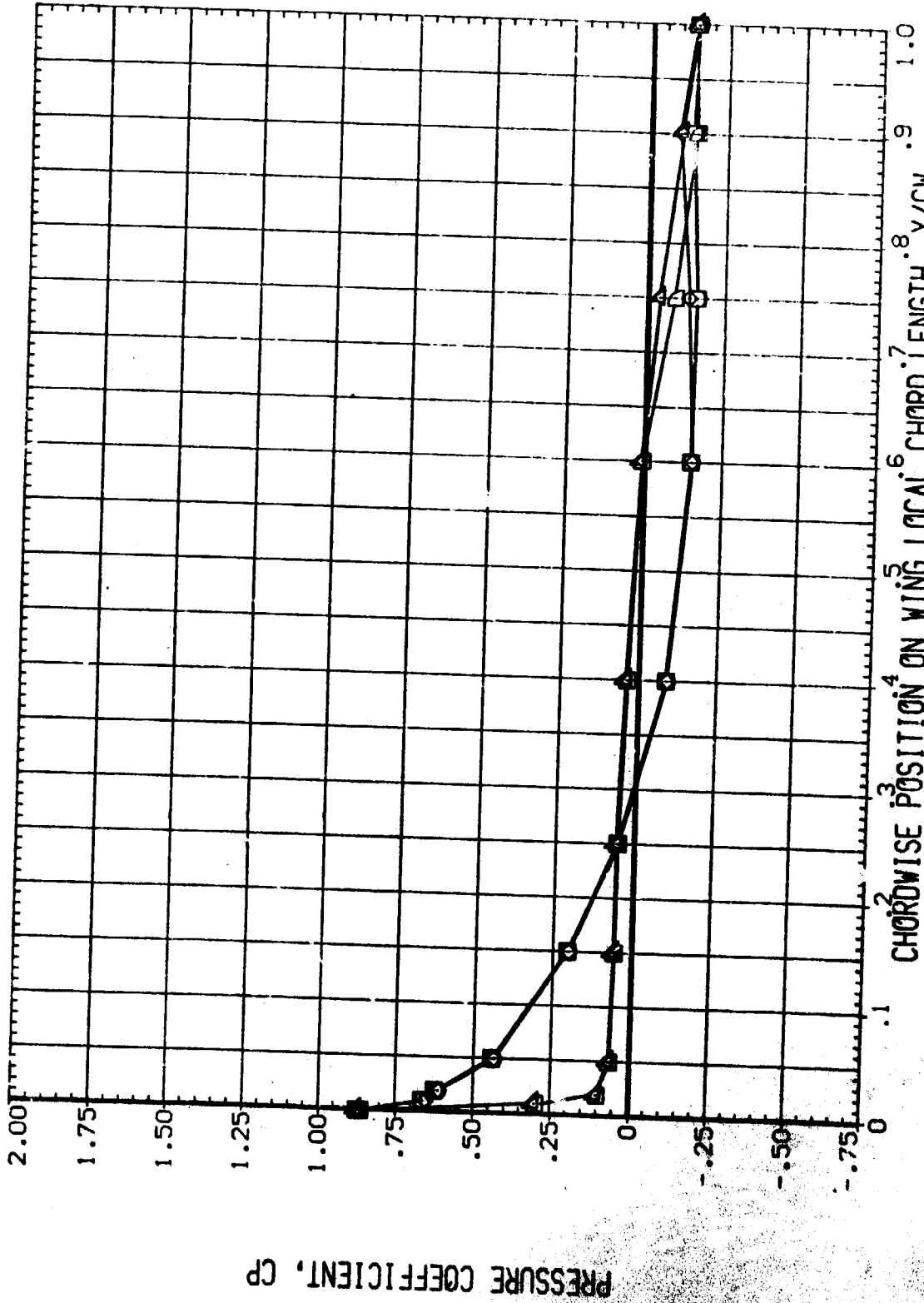


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = 0.000 REYNOLDS = 56,000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU1)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU07)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

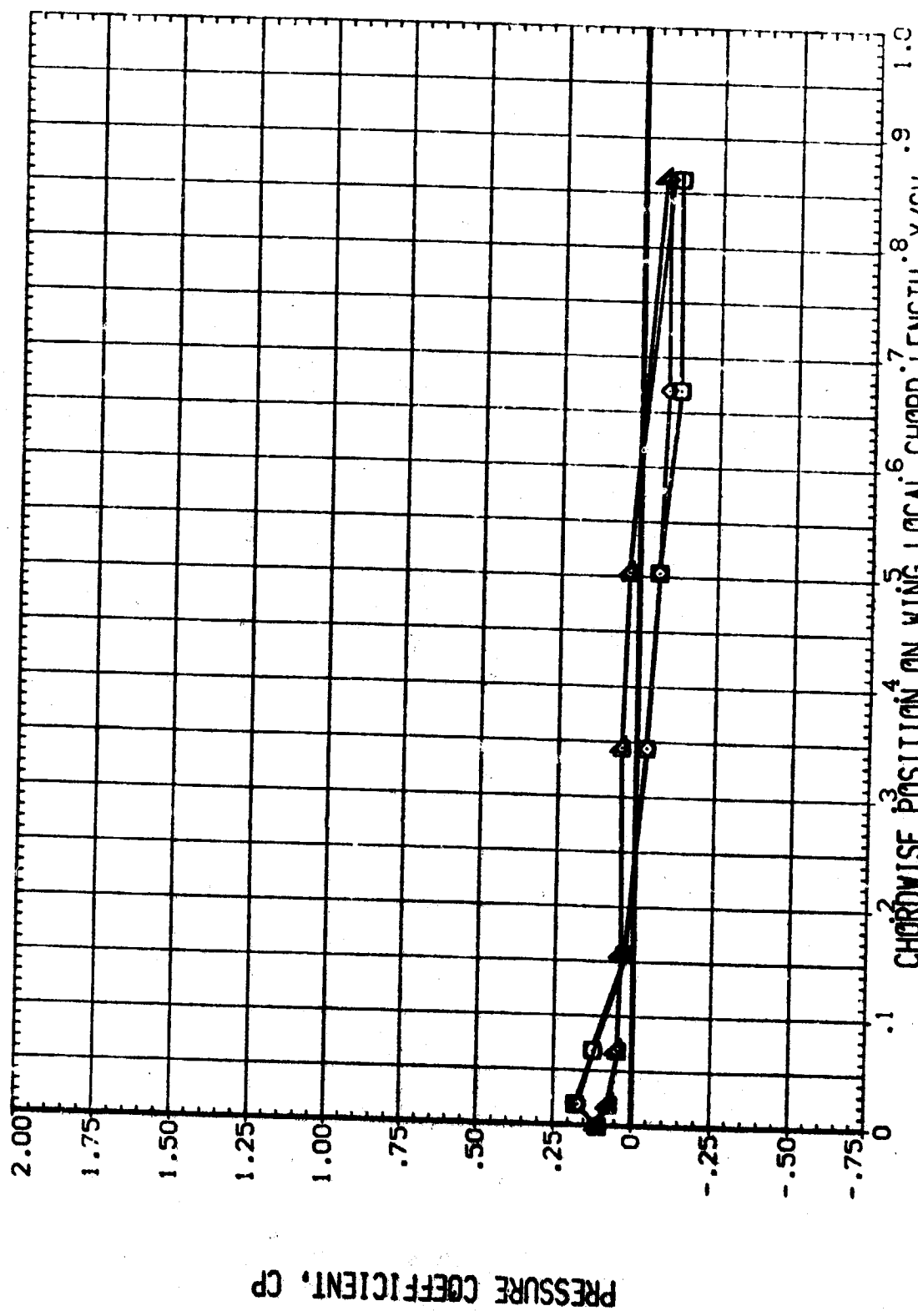


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20
 ALPHA = 0.000 BETA = -6.000 Y/BW = .972 PAGE 1474

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU1)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000
(IETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(IETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(IETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

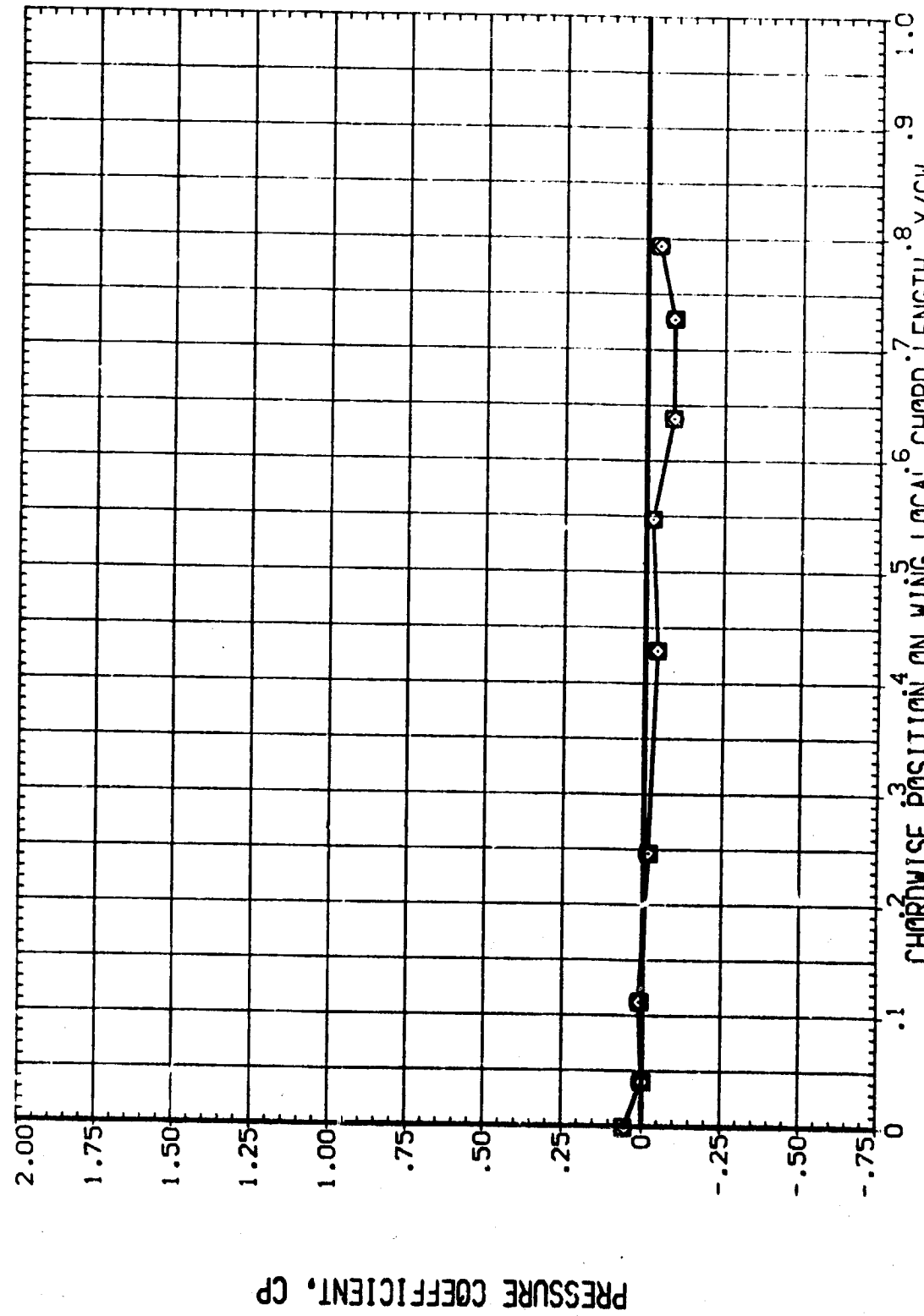
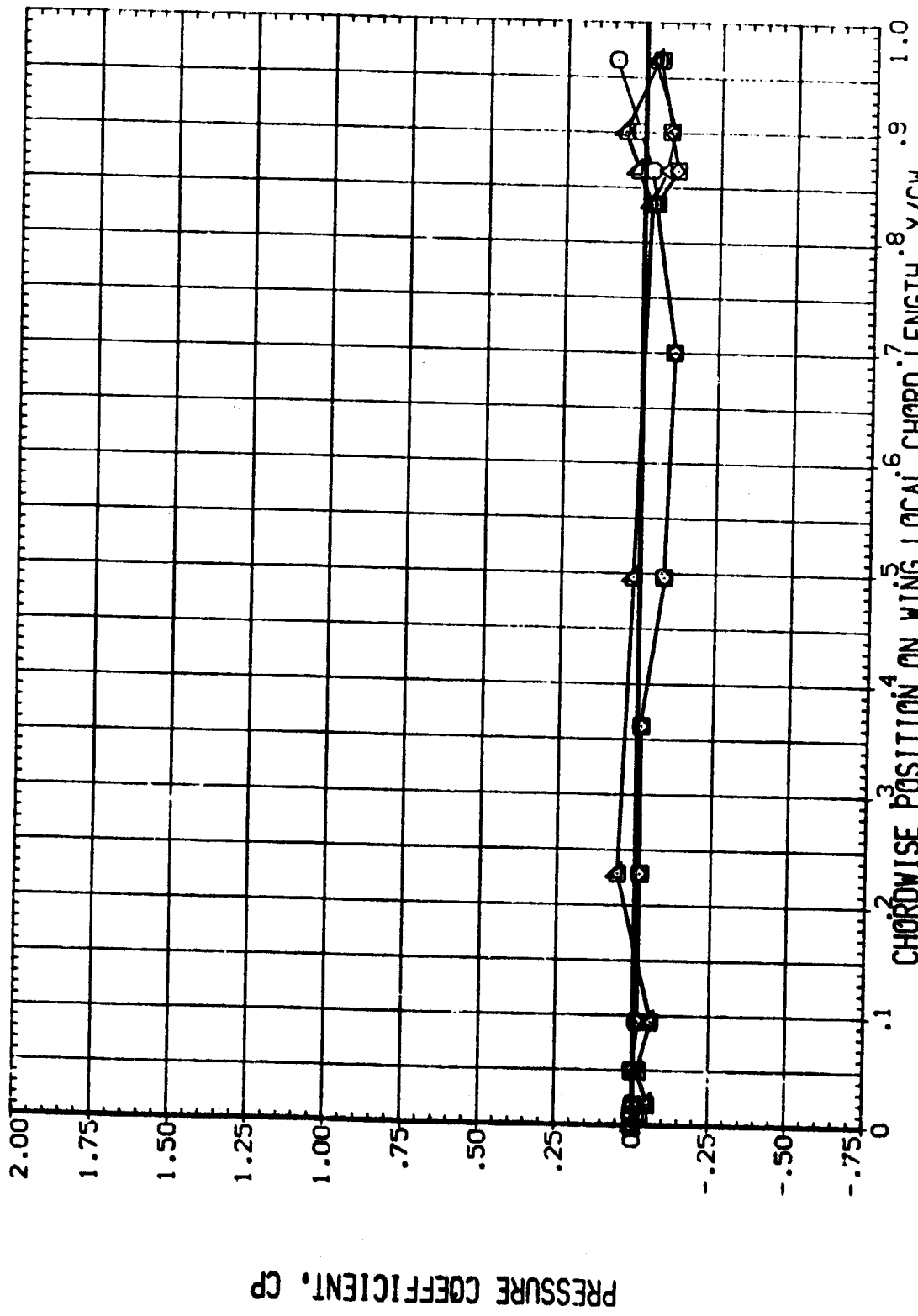


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA = .000 BETA = -4.000 Y/RW = .235

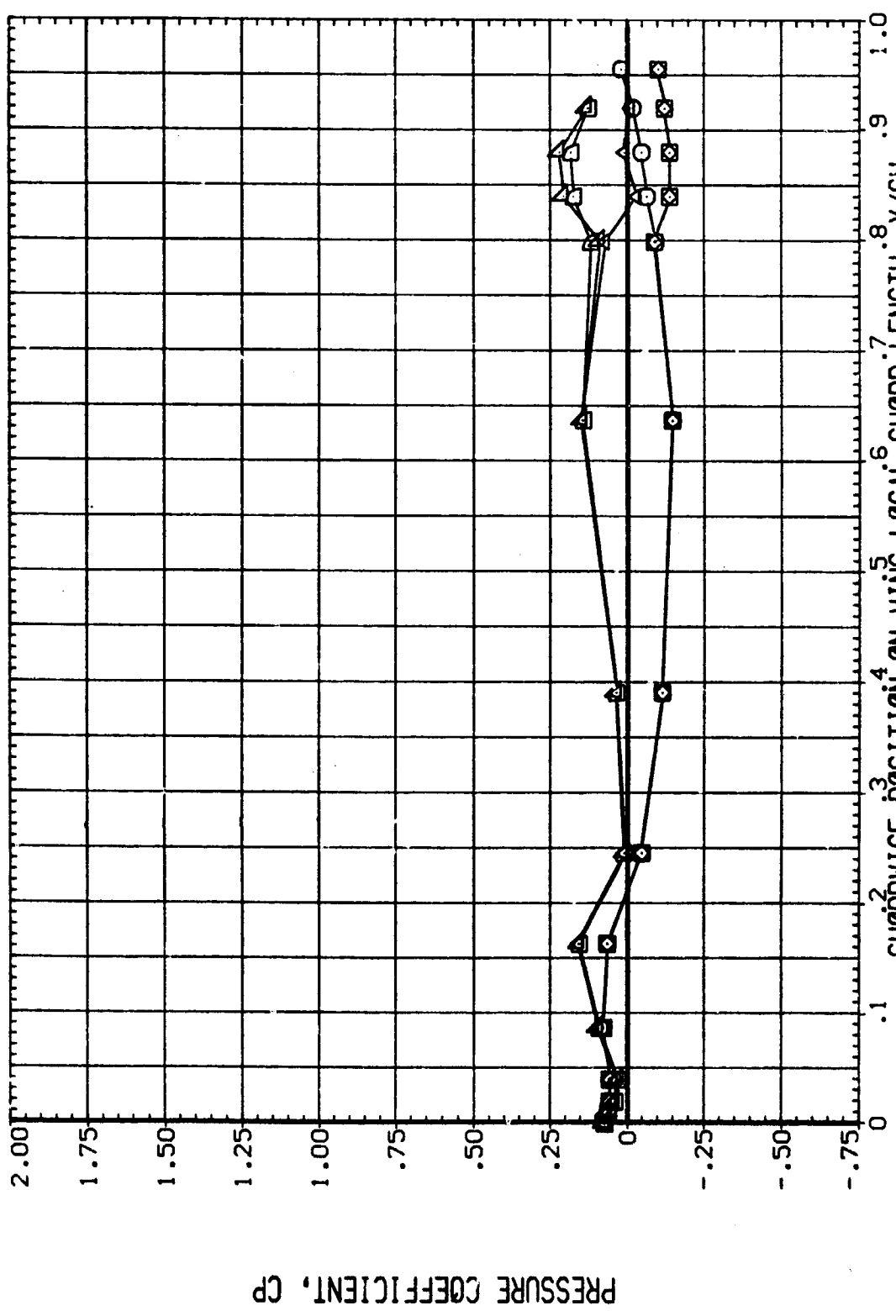
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RM/FT	ELV-OB
(IETU1)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETUG7)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL17)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0, MACH = 2.20
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .364 PAGE 1477

DATA SET SYMBOL	CL FIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL57)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

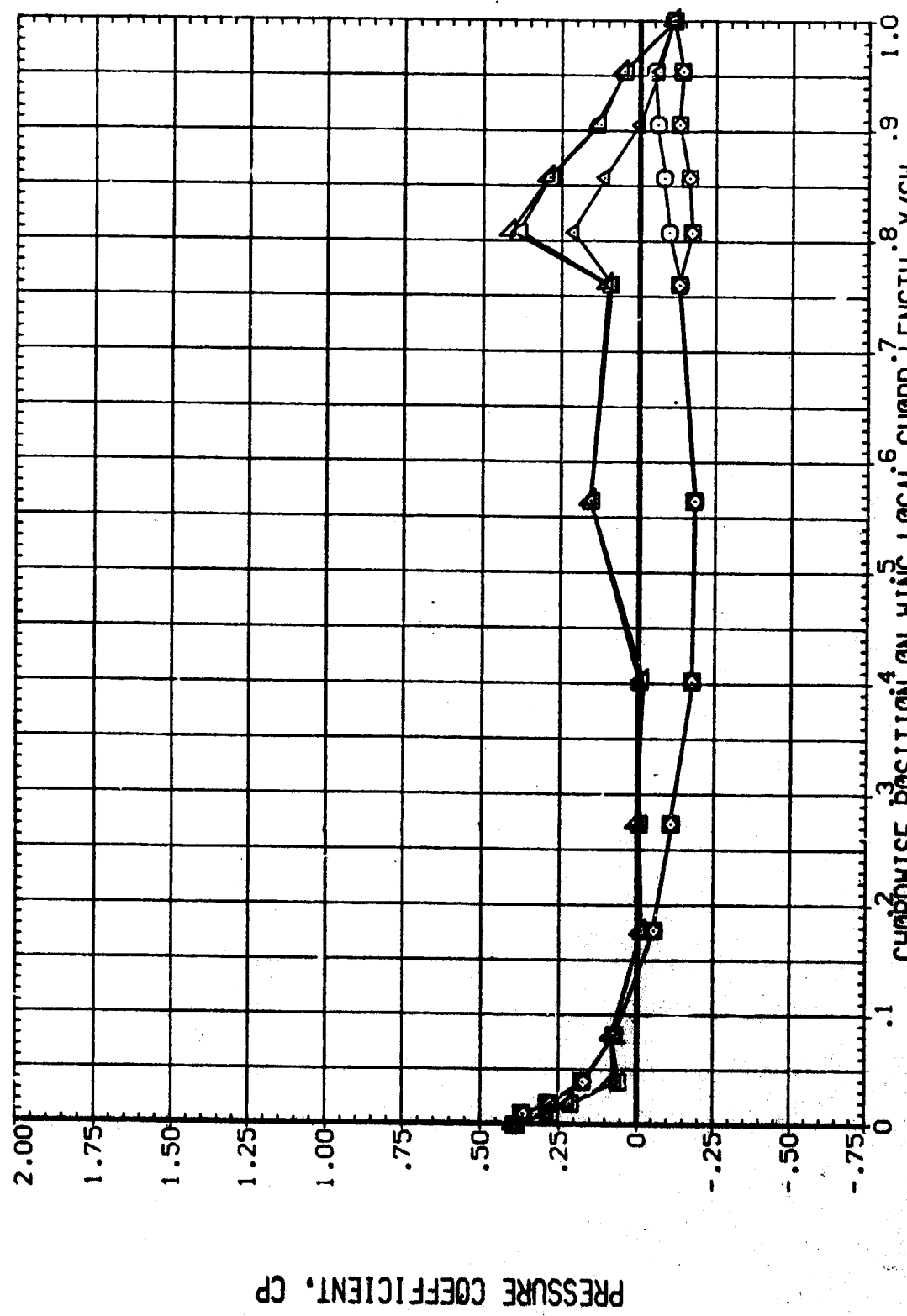


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0. MACH = 2.20
 ALPHA= .000 BETA= -4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1) TU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1) TU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1) TU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1) TU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000
(1) TU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1) TU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000

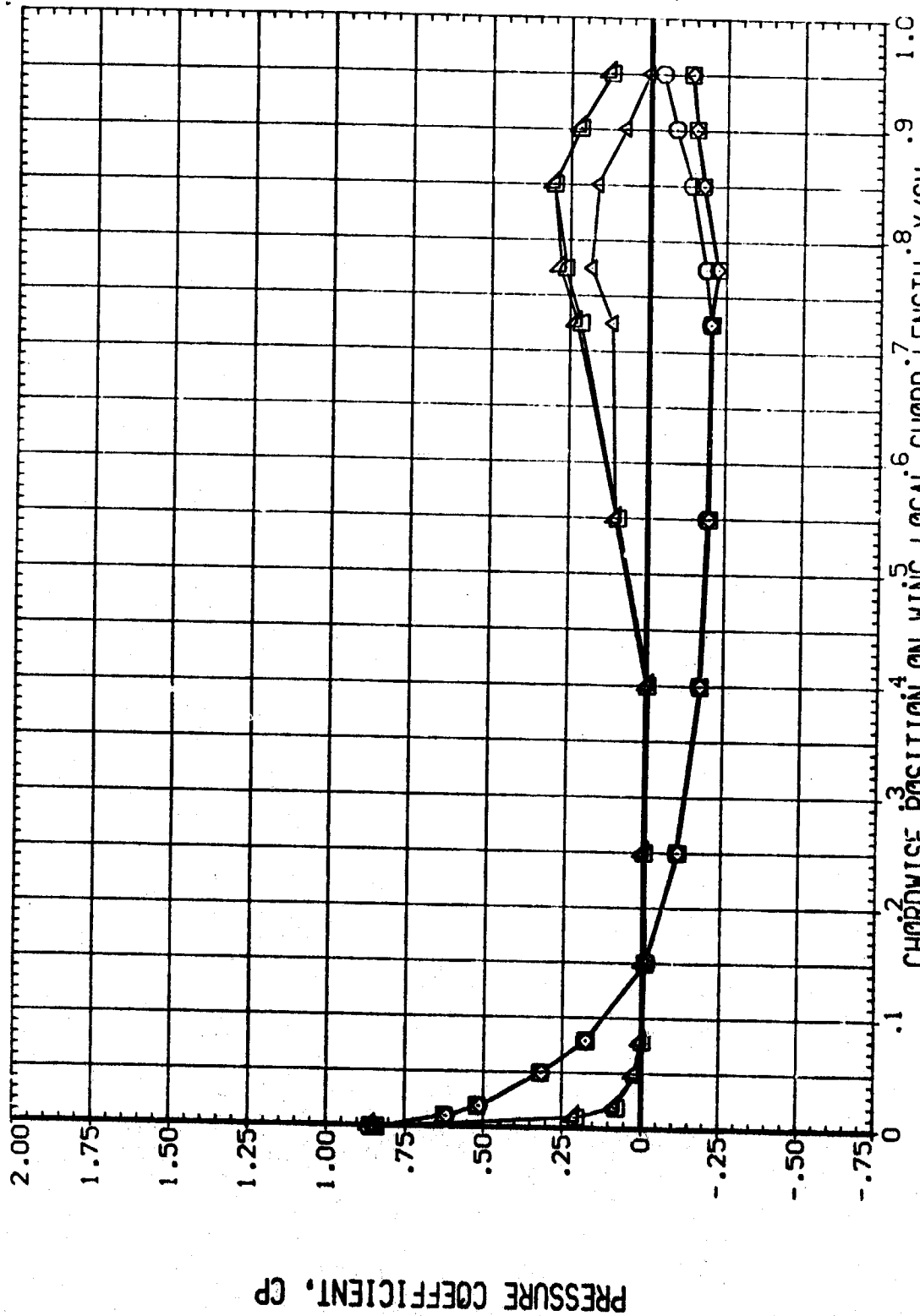


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .534
 PAGE 1479

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU1)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

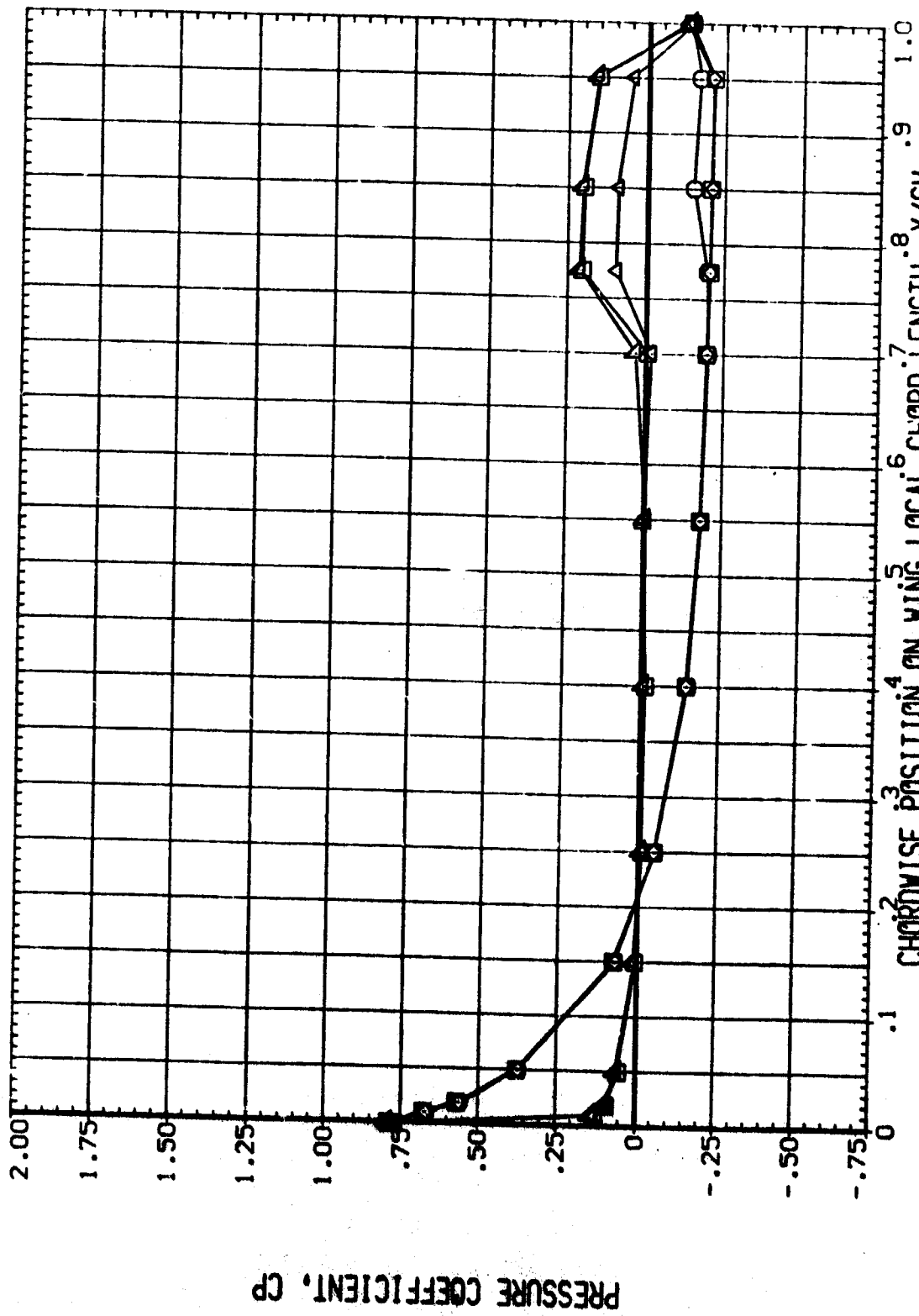


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .673 PAGE 1480

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETJ41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETJ45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETJ37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

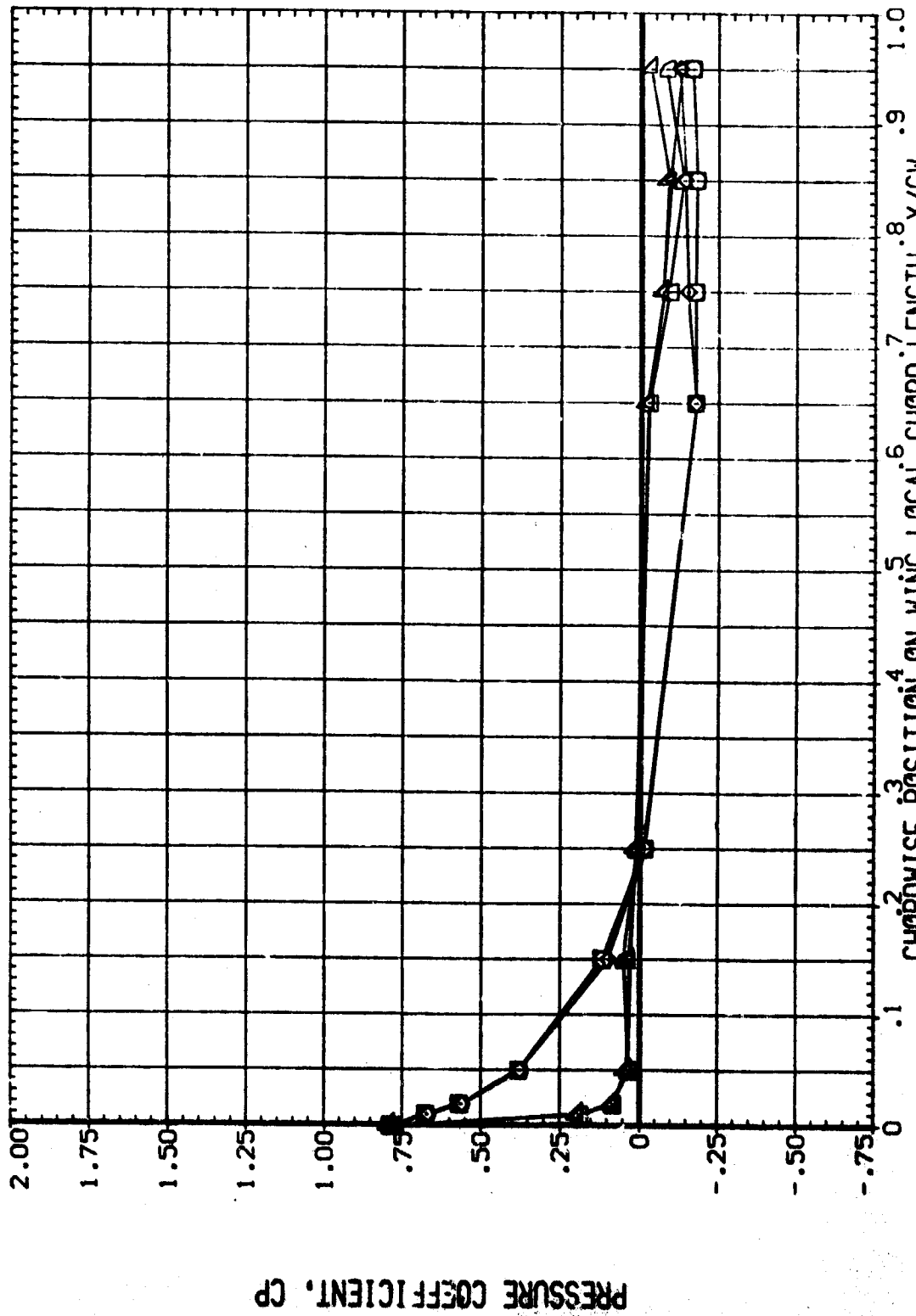


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RW/FT	ELV-08
(1ETM1)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETM2)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETM3)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(1ETL77)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000

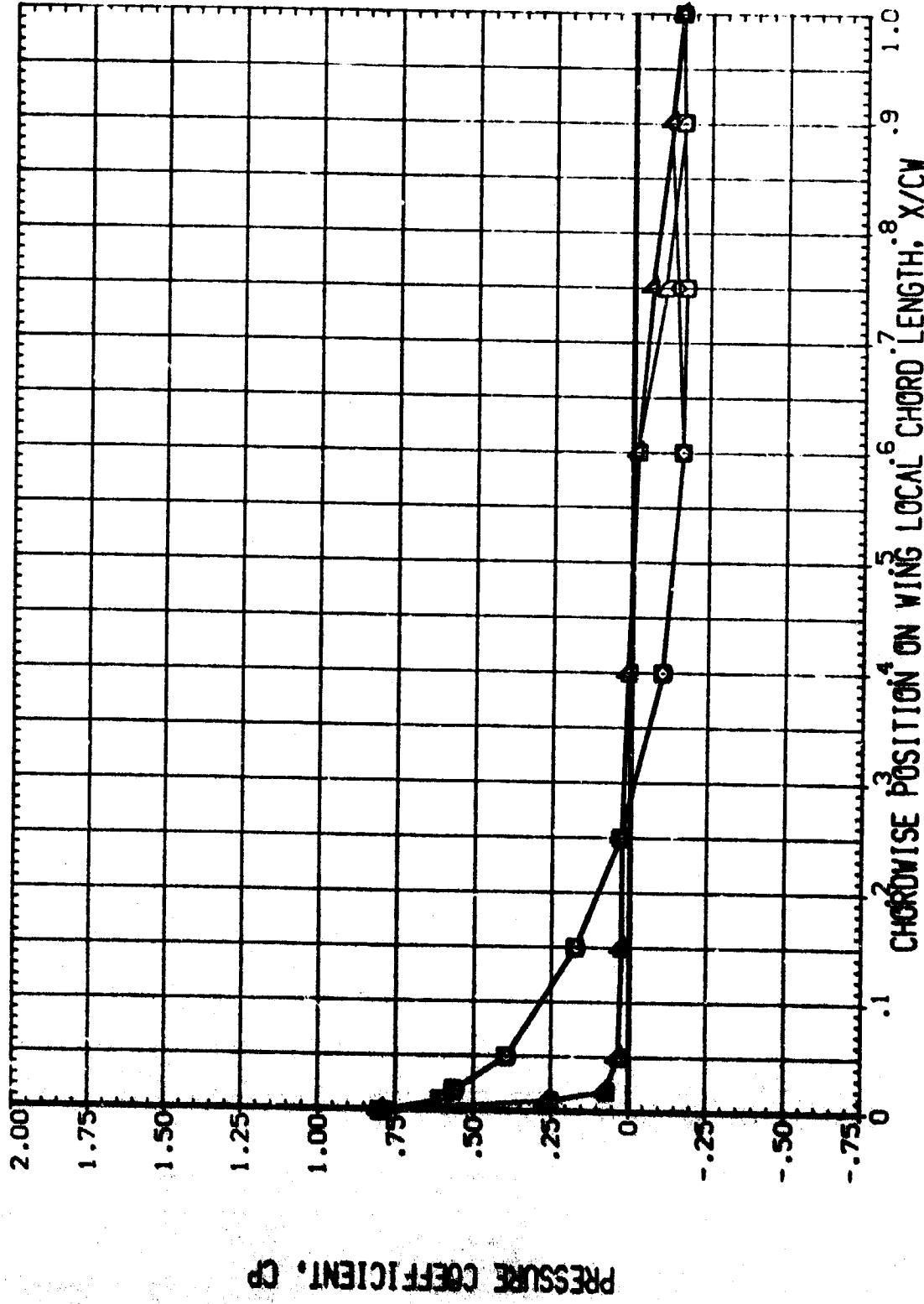


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20.
 ALPHA = .000 BETA = -4.000 Y/BW = .887
 CHORDWISE POSITION⁴ ON WING LOCAL CHORD LENGTH⁸, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

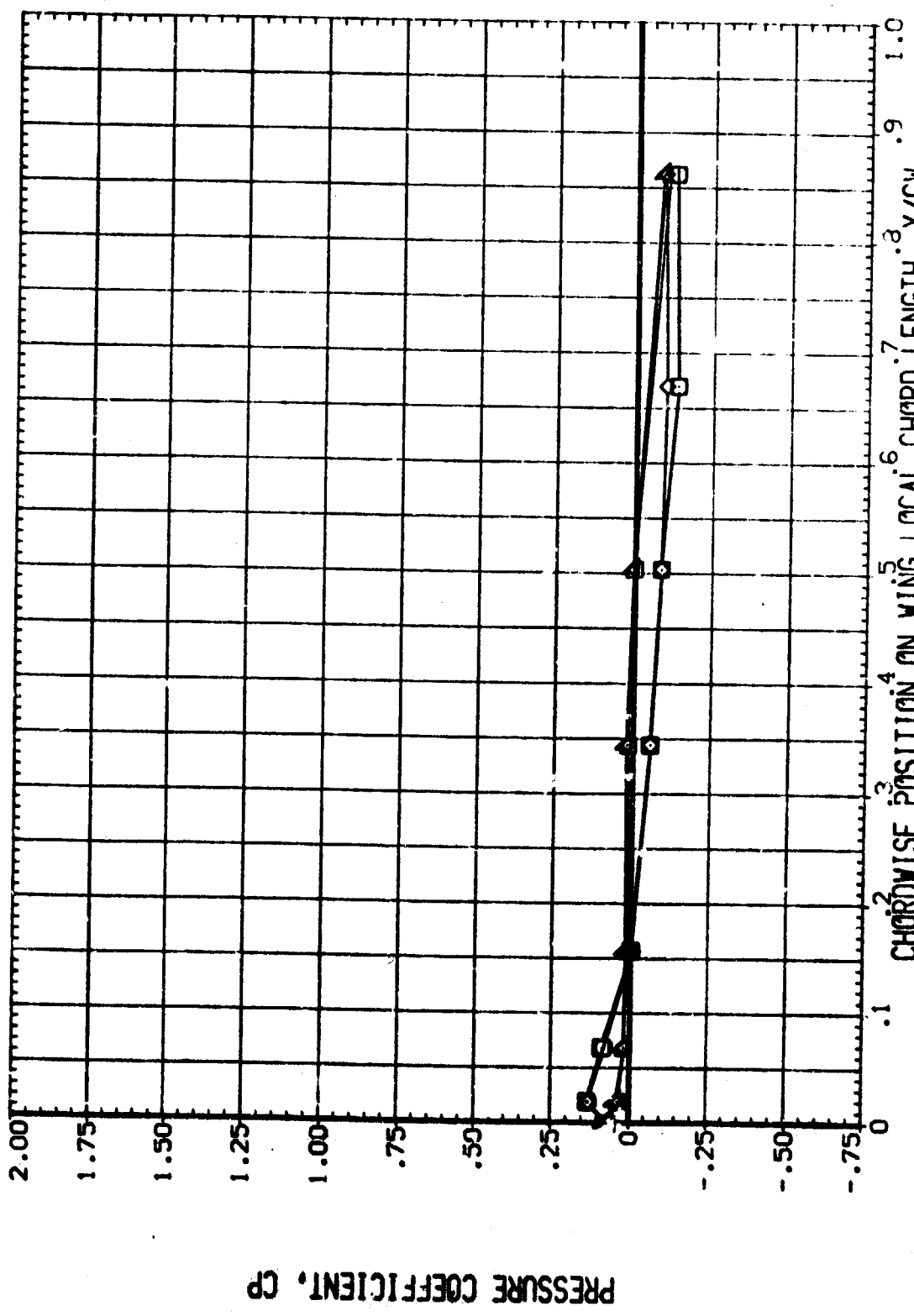


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU1)	ARC37-019 IAGI LVAP(ALL) SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC37-019 IAGI LVAP(ALL) SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU7)	ARC37-019 IAGI LVAP(ALL) SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(IETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(IETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

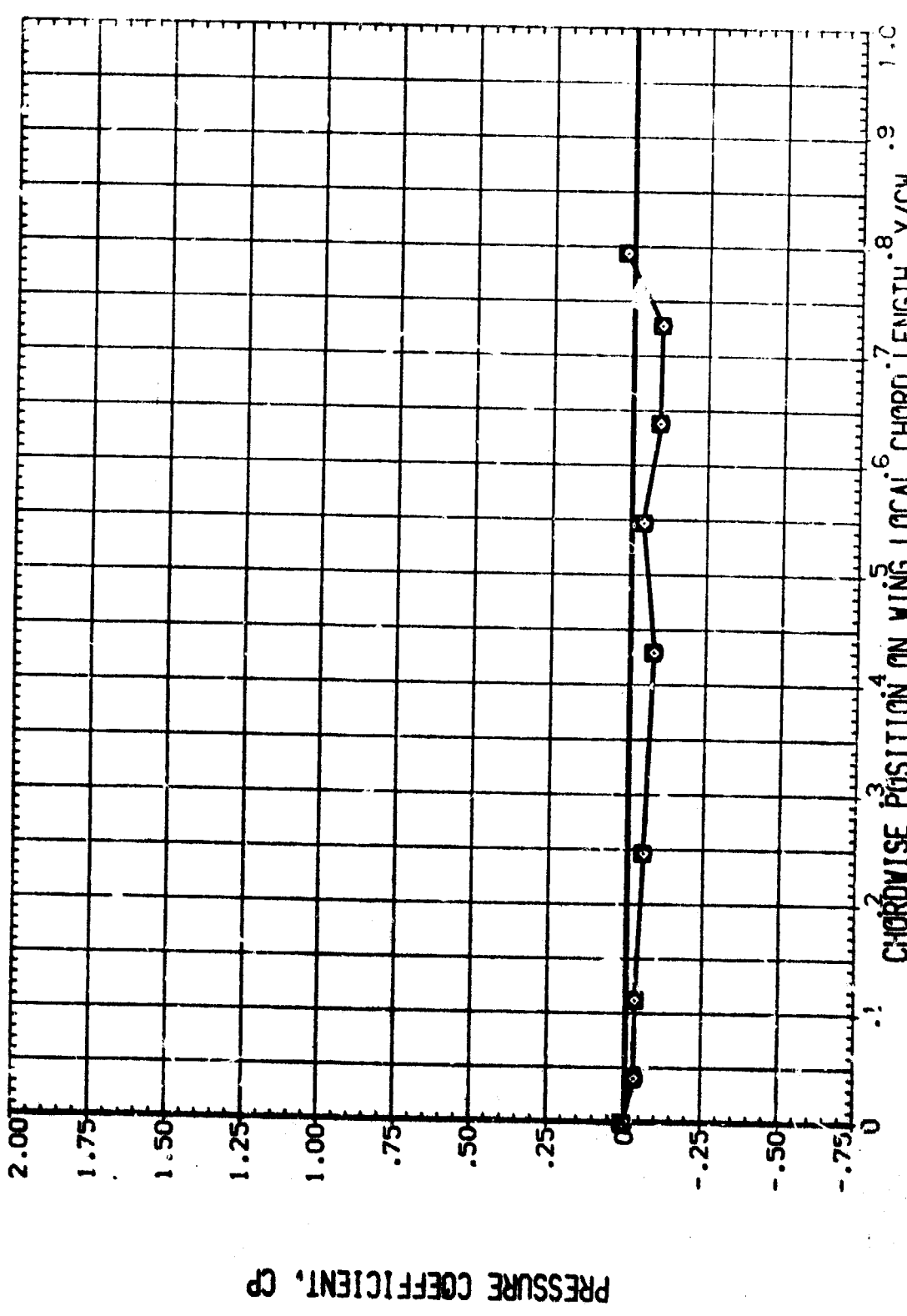
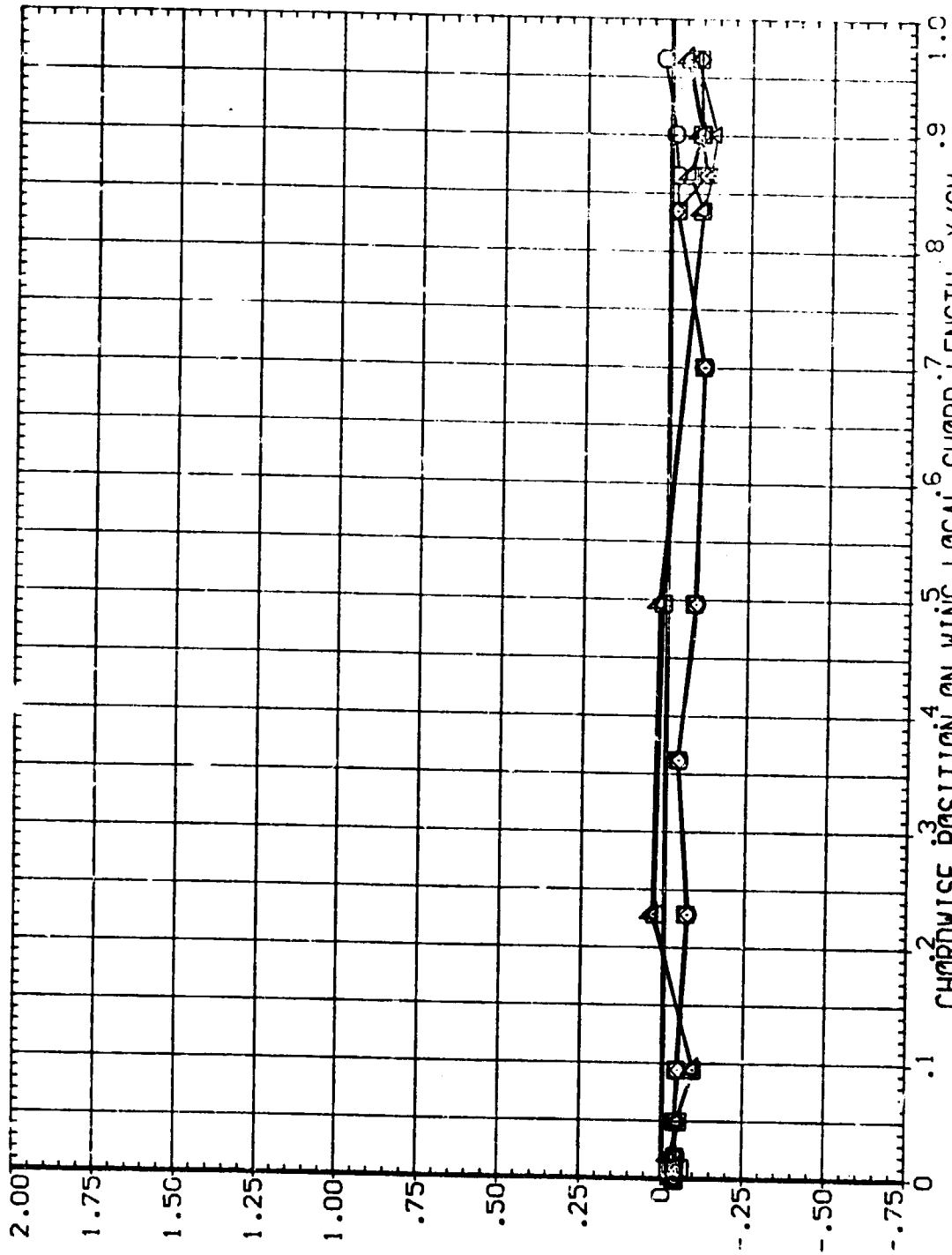


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA = 0.000 BETA = .000 Y/BW = .235 PAGE 1484

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDRK = 0. MACH = 2.20

ALPHA0 = .000 BETA0 = .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-19	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	9.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

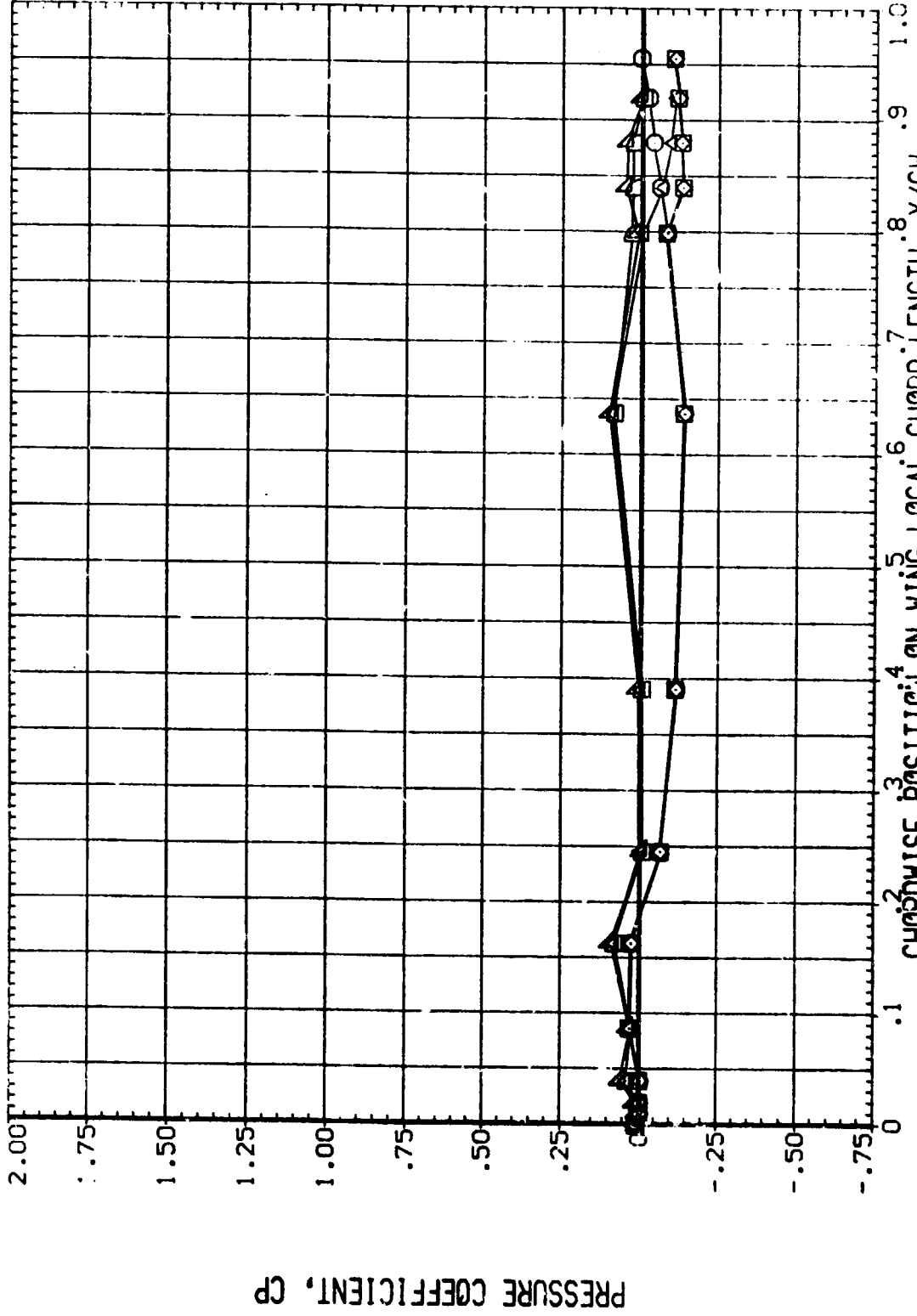


FIG. 67 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT. SPDBRK = 0, MACH = 2.20

ALPHA = .000 BETA = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1E U41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E U45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E TU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1E TL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E TL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E TL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BC.	2.200	8.000	2.500	-4.000

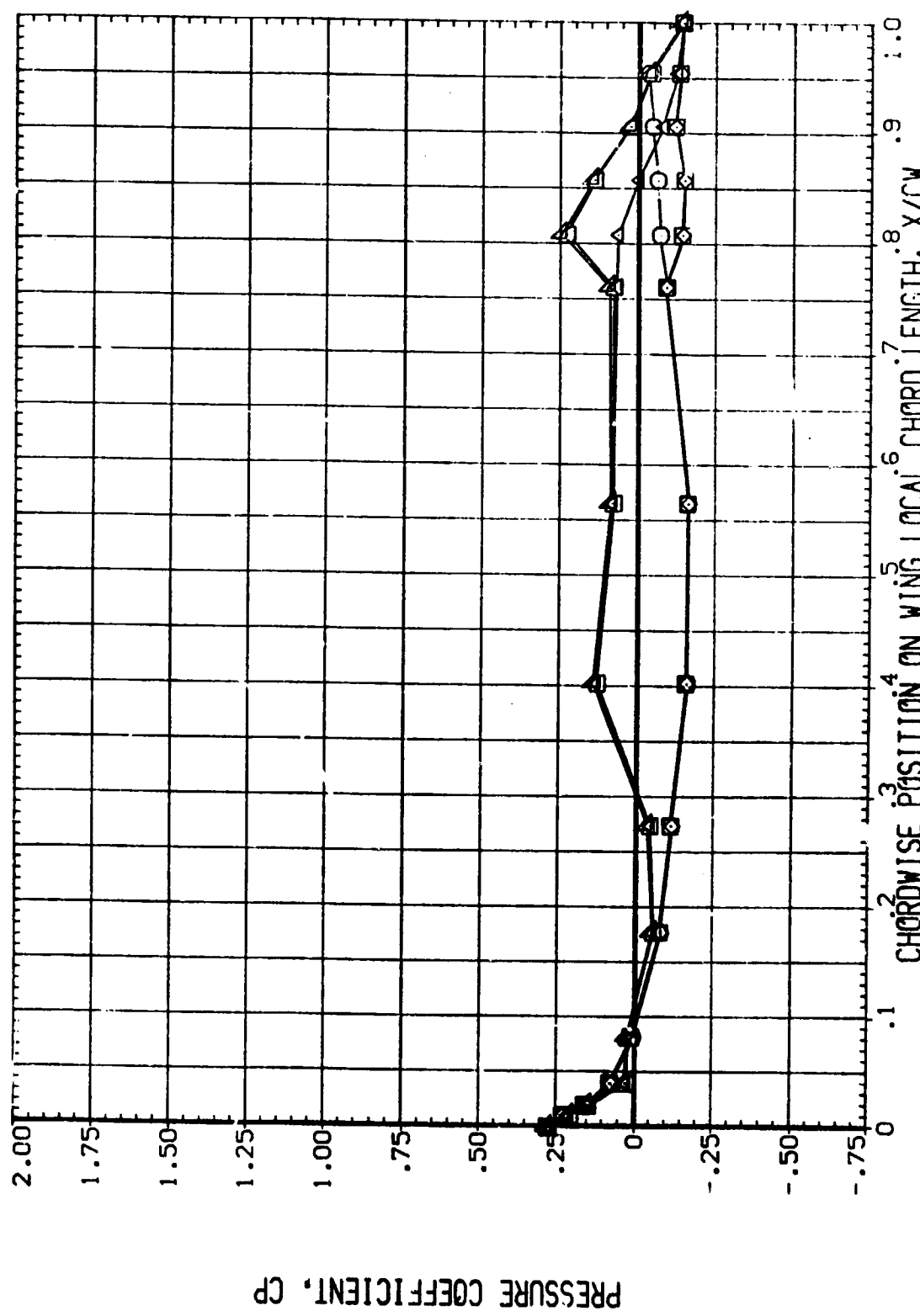
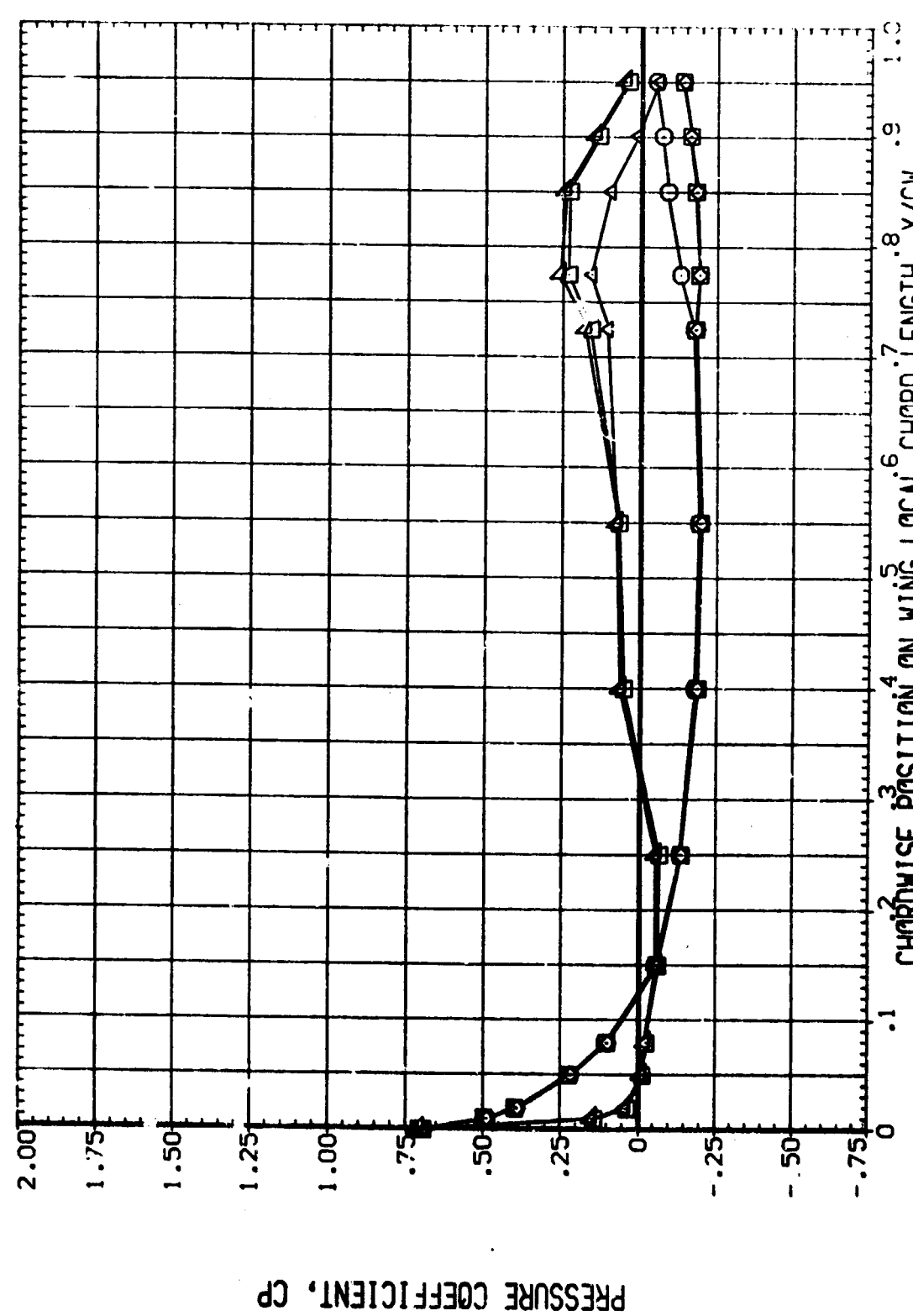


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.2G
ALPHA = .000 BETA = .000 Y/BW = .534 PAGE 1488

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IE UM1)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IE UM5)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IE UM37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IE UM41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IE UM45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IE UM37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

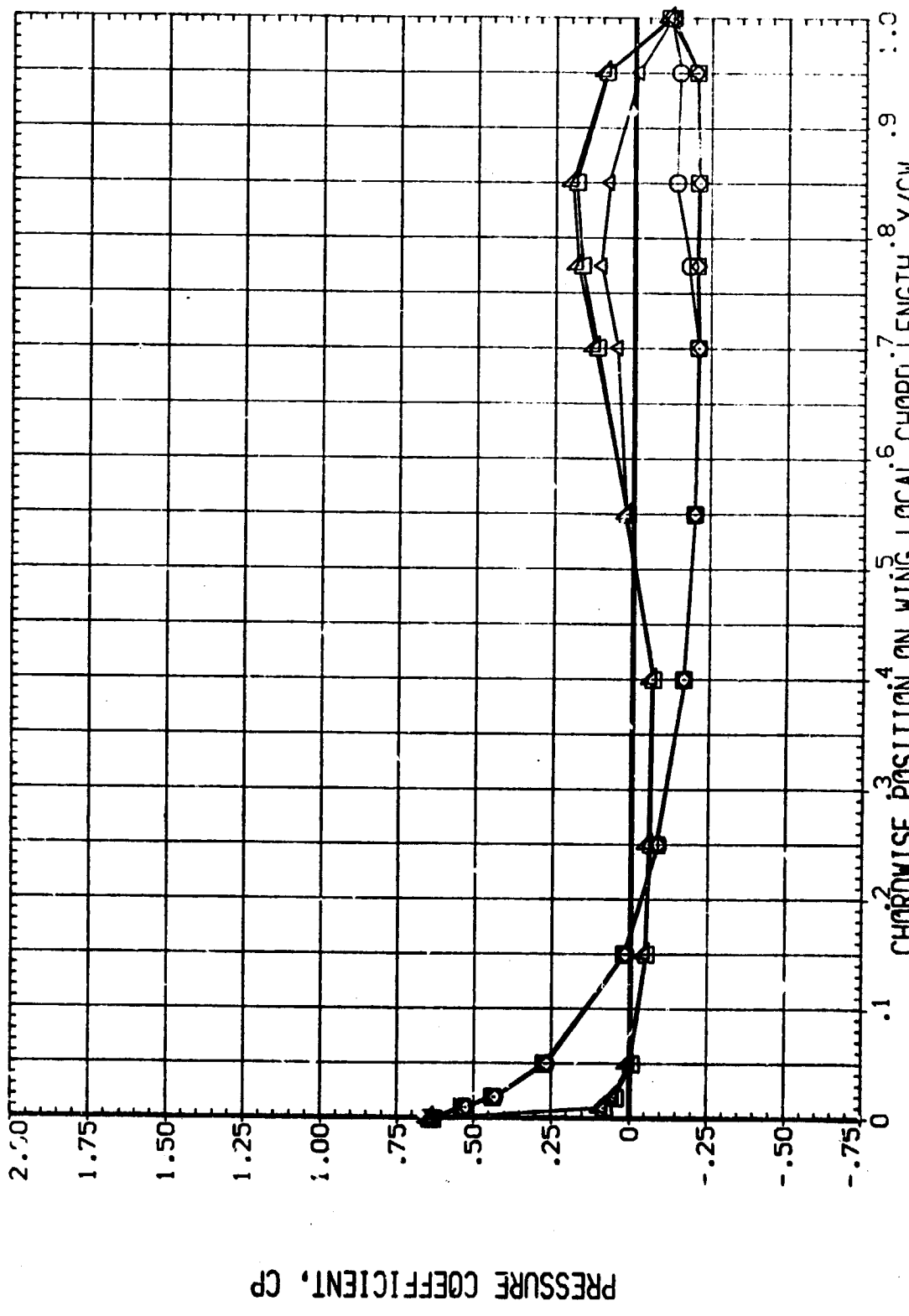
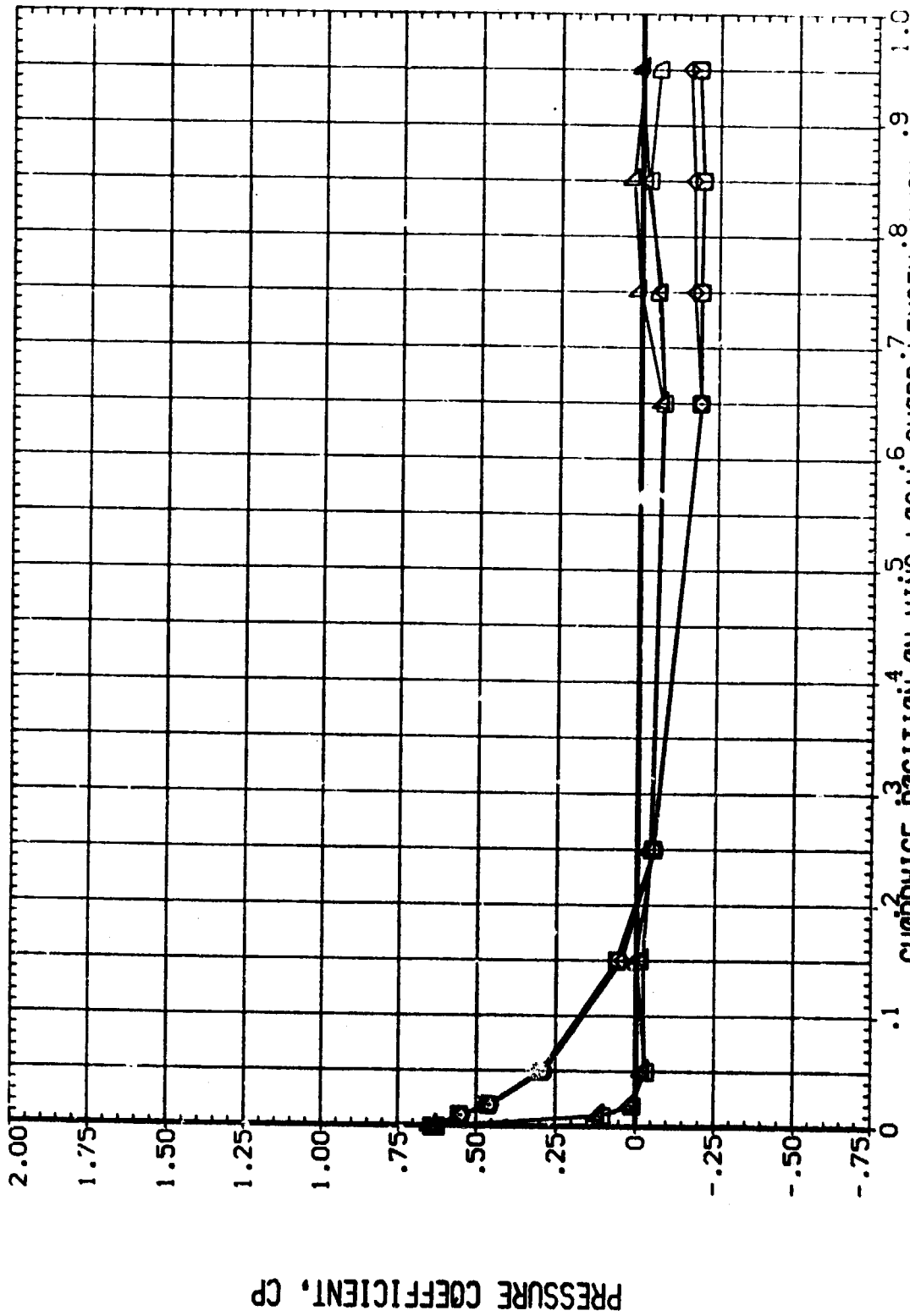


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-15	RN/FT	ELV-08
(JETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

ALPHA0 = .000 BETA0 = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

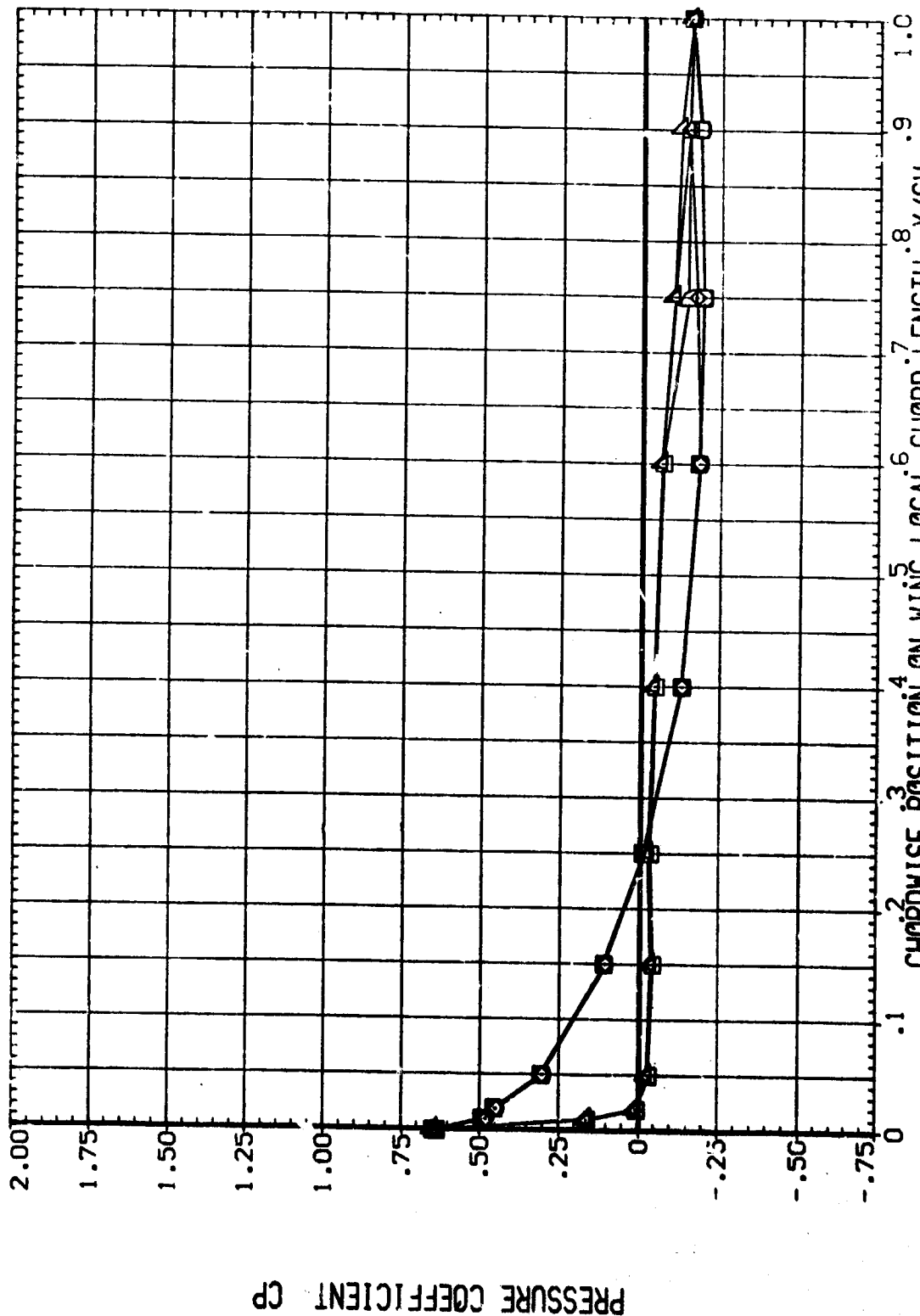


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA3 = .000 BETA0 = .000 Y/BW = .887
 PAGE 1491

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

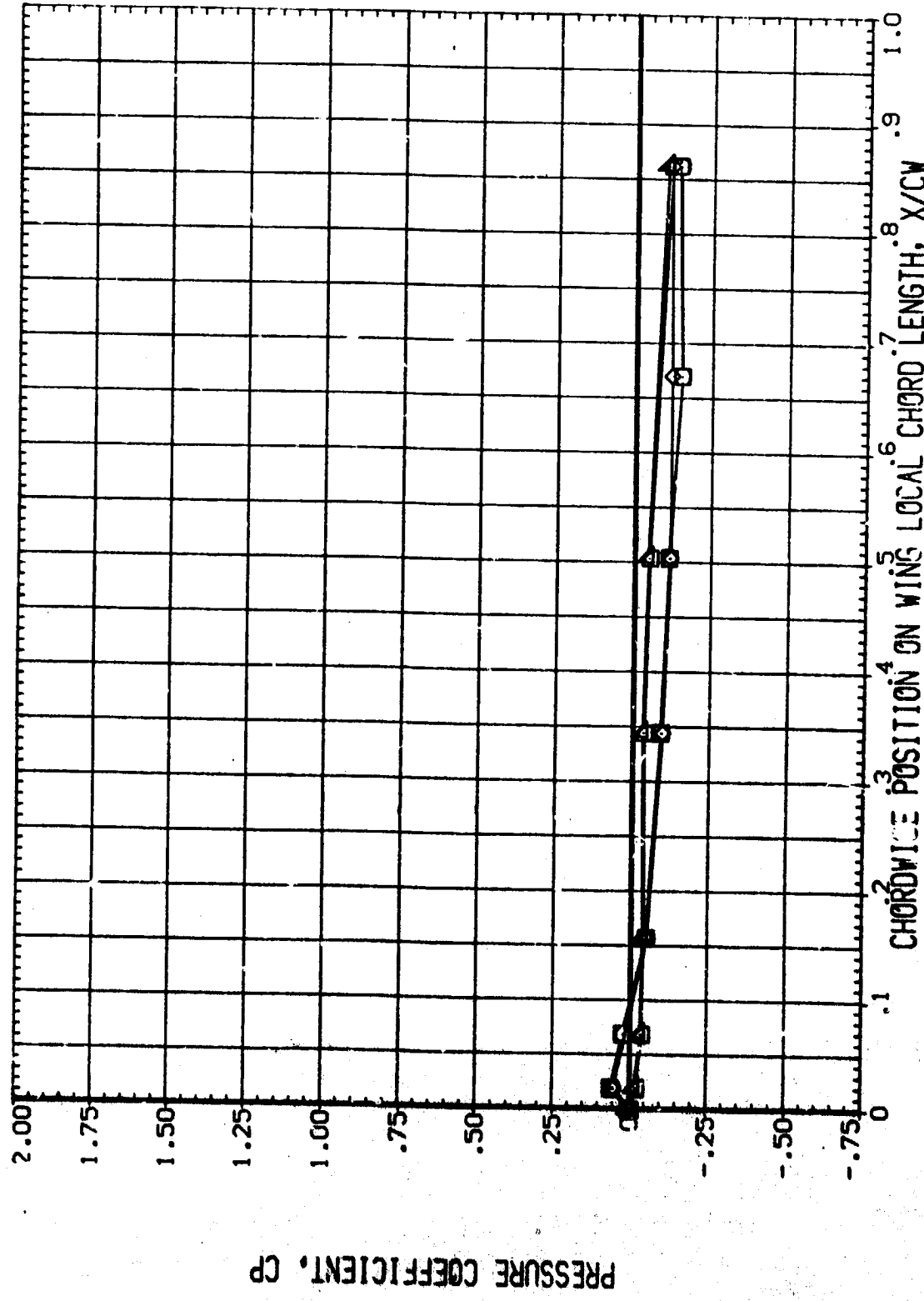


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = .000 BETA0 = .000 Y/BW = .972
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC57-019 IAB1 LVAPCALLH (SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC57-019 IAB1 LVAPCALLH (SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC57-019 IAB1 LVAPCALLH (SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(IETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(IETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

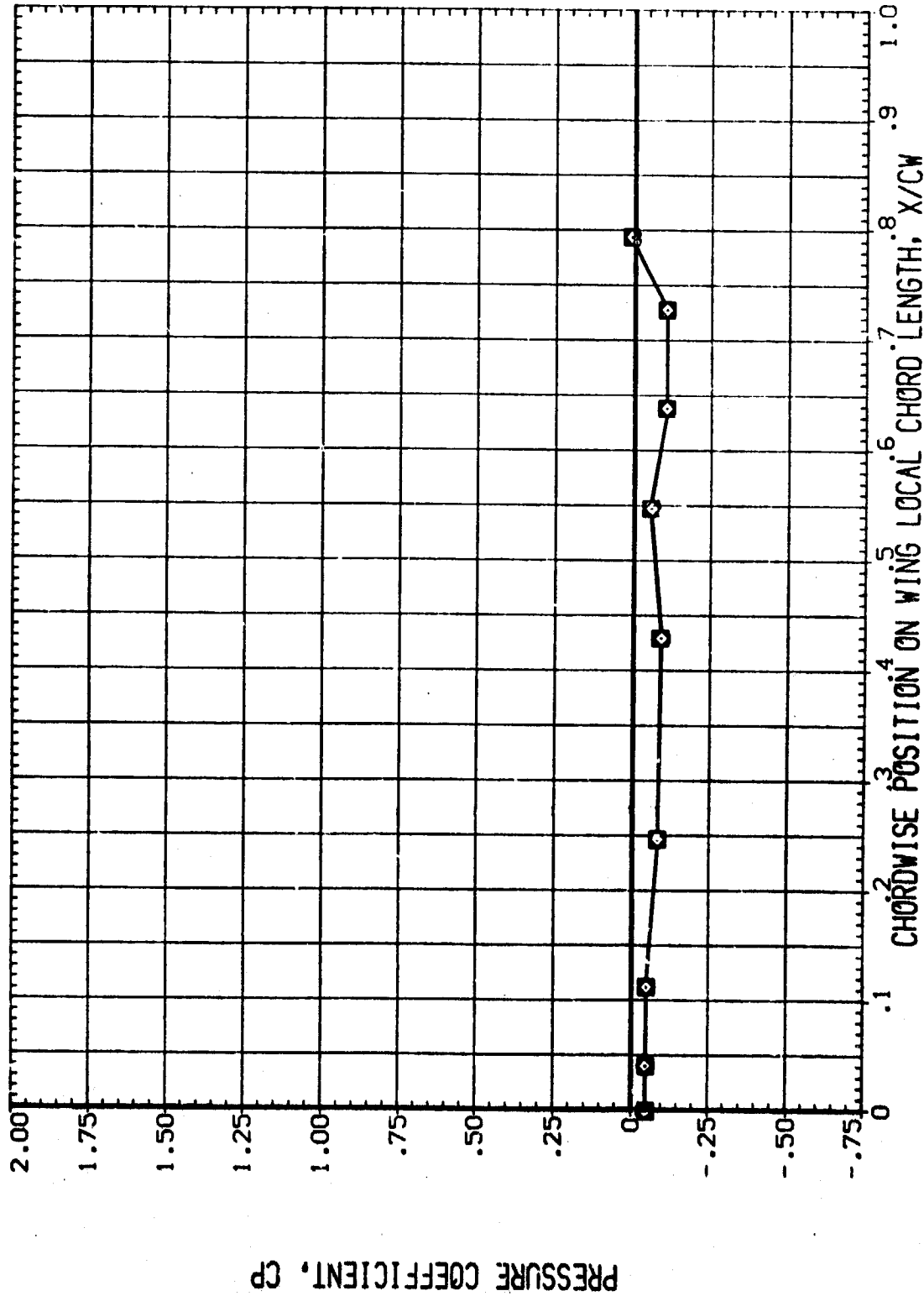
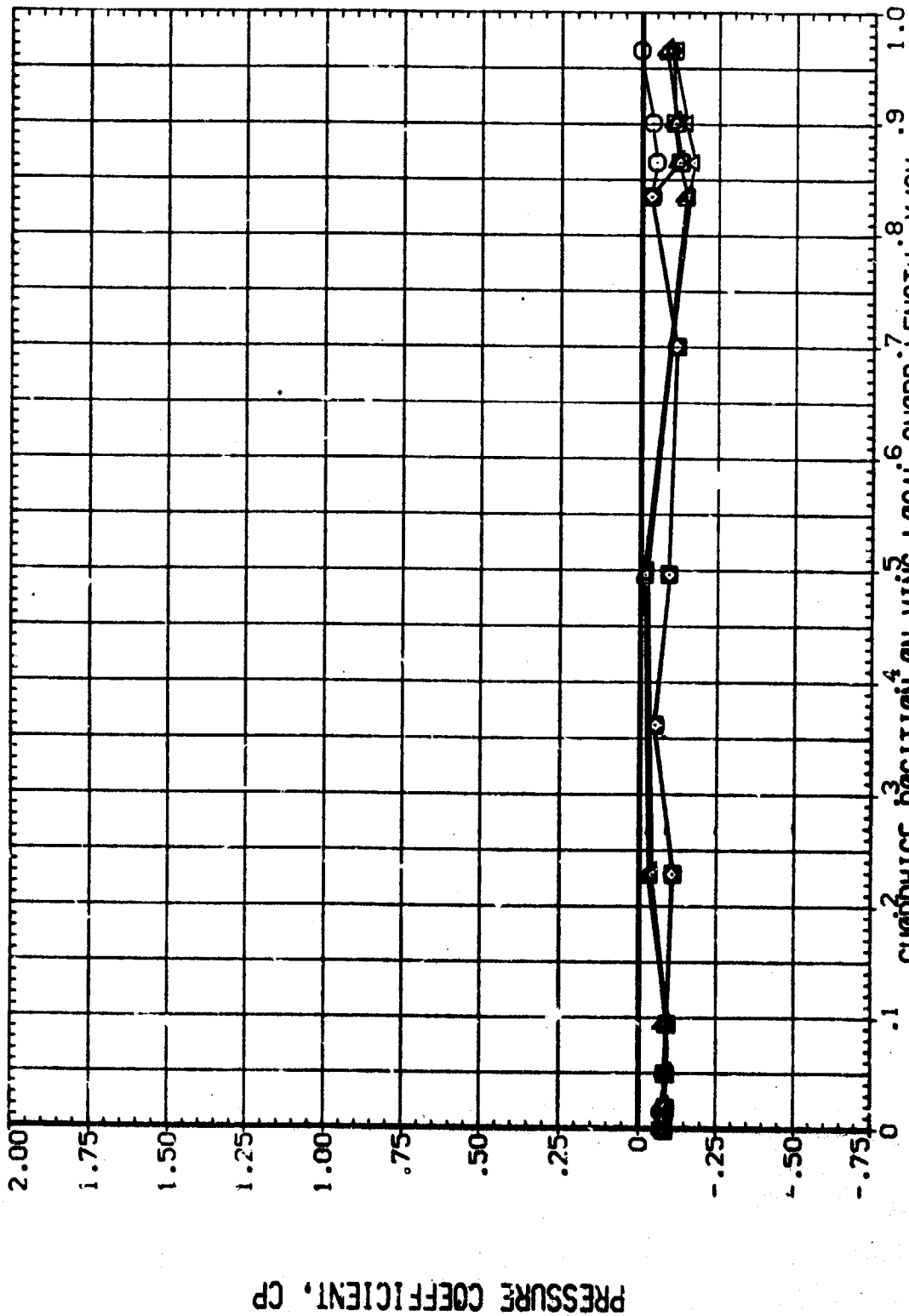


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

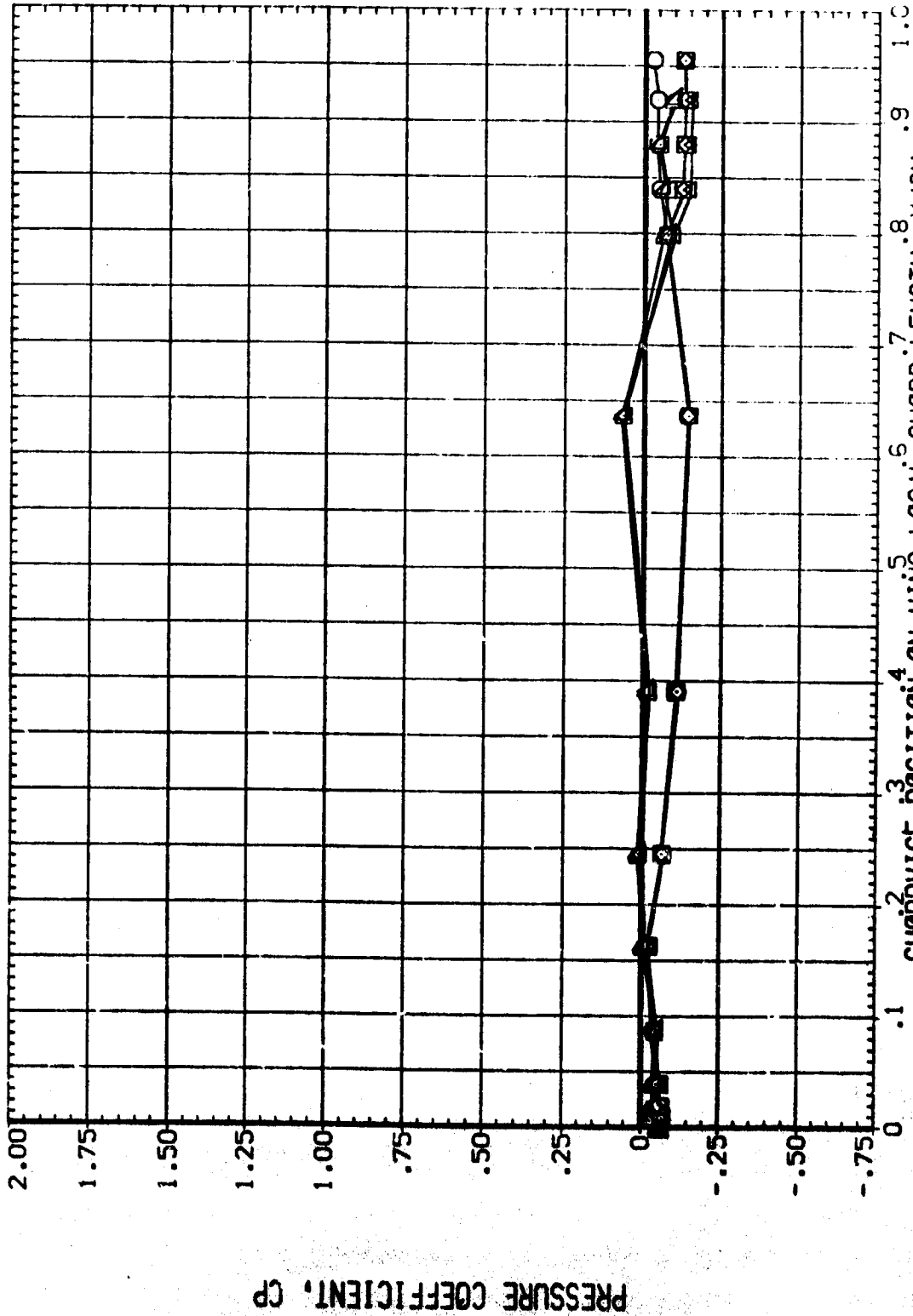


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

ALPHA = .000 BETA = 4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV.-1B	RN/FT	ELV.-08
(JETU41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

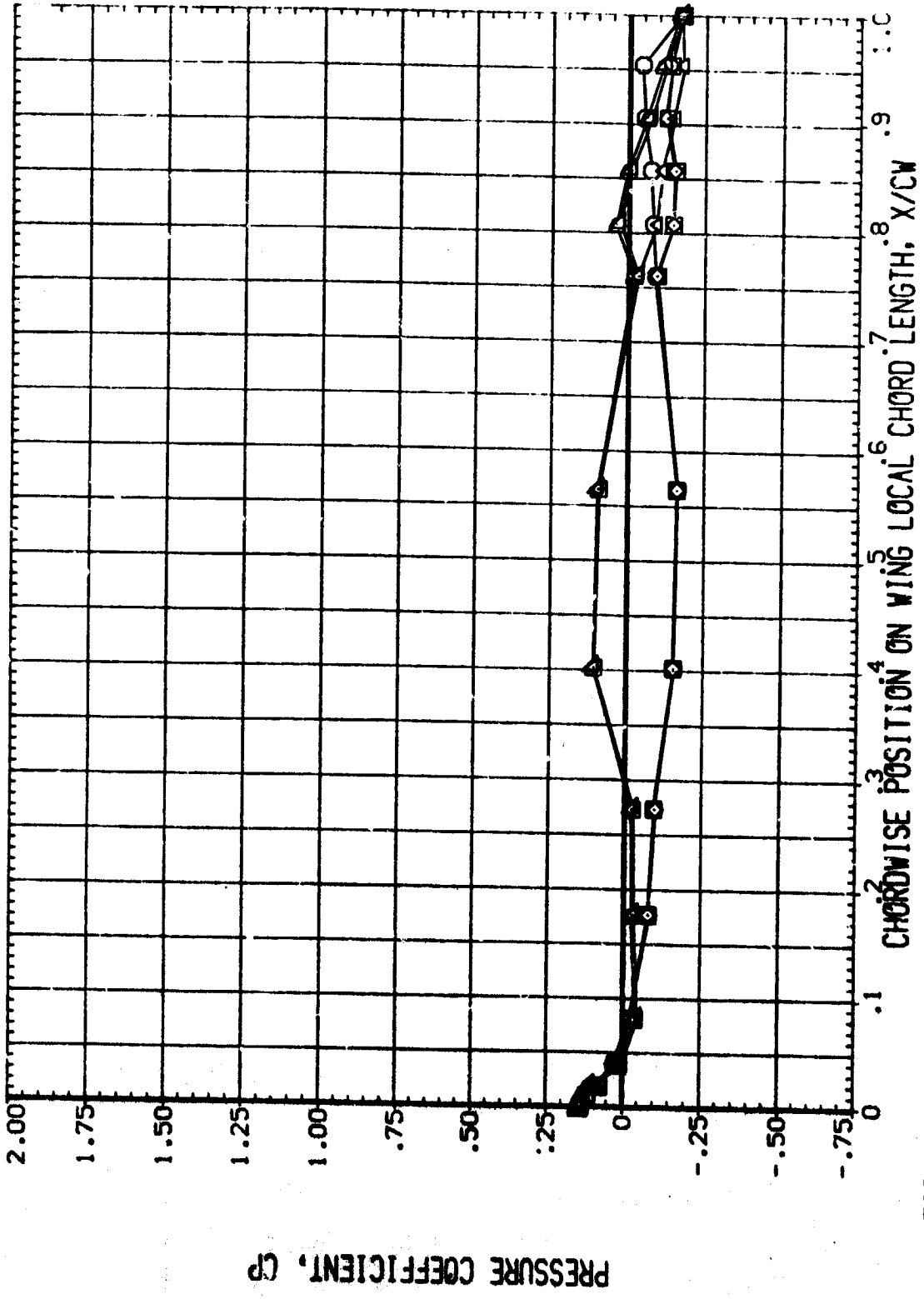


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .427
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1E1U41)	IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E1U45)	IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E1U37)	IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1E1L41)	IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E1L45)	IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E1L37)	IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

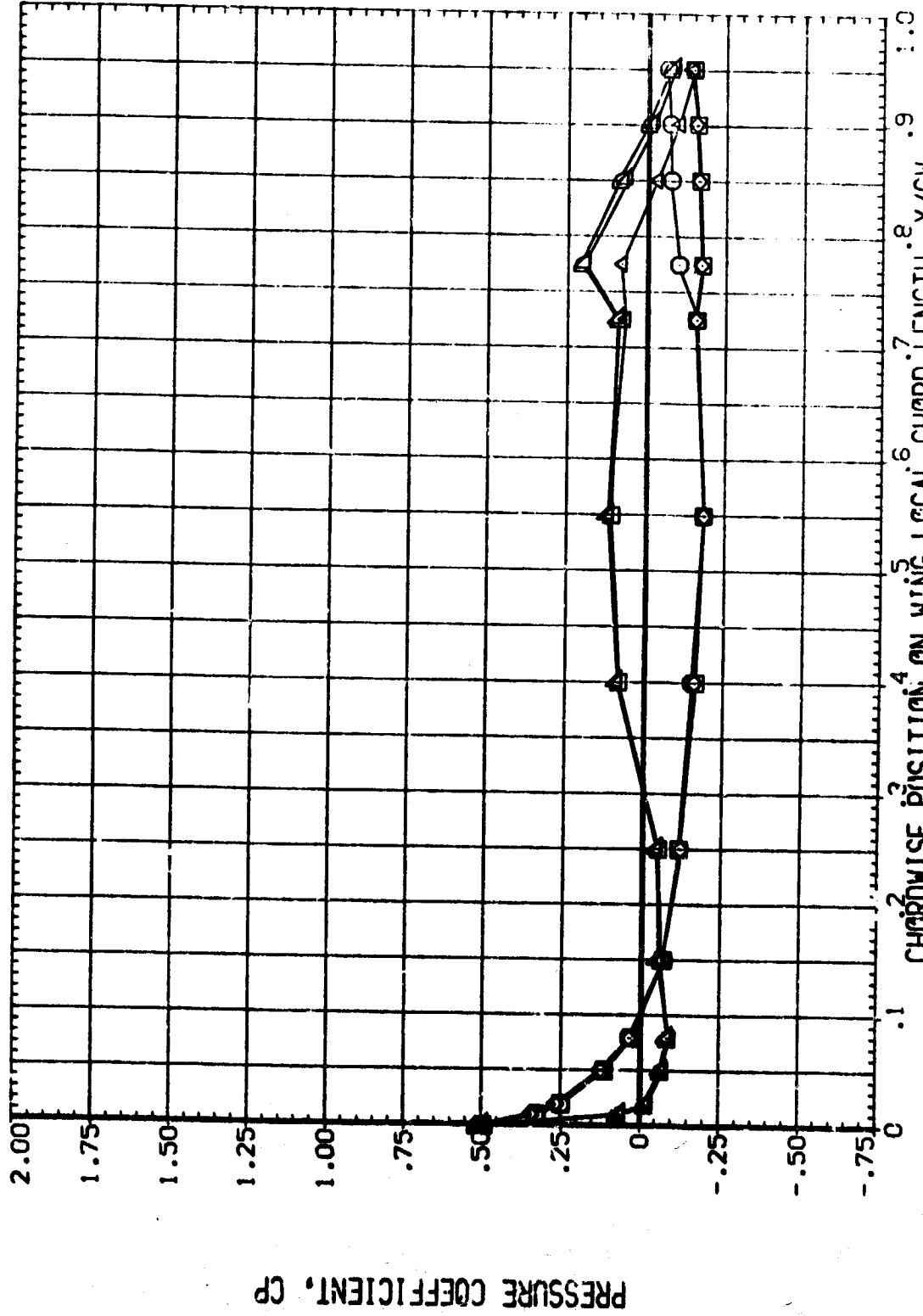


FIG. 67 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU11)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL-1)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL-45)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL57)	ARC97-019 IAB1 LVAP(ALL)H SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

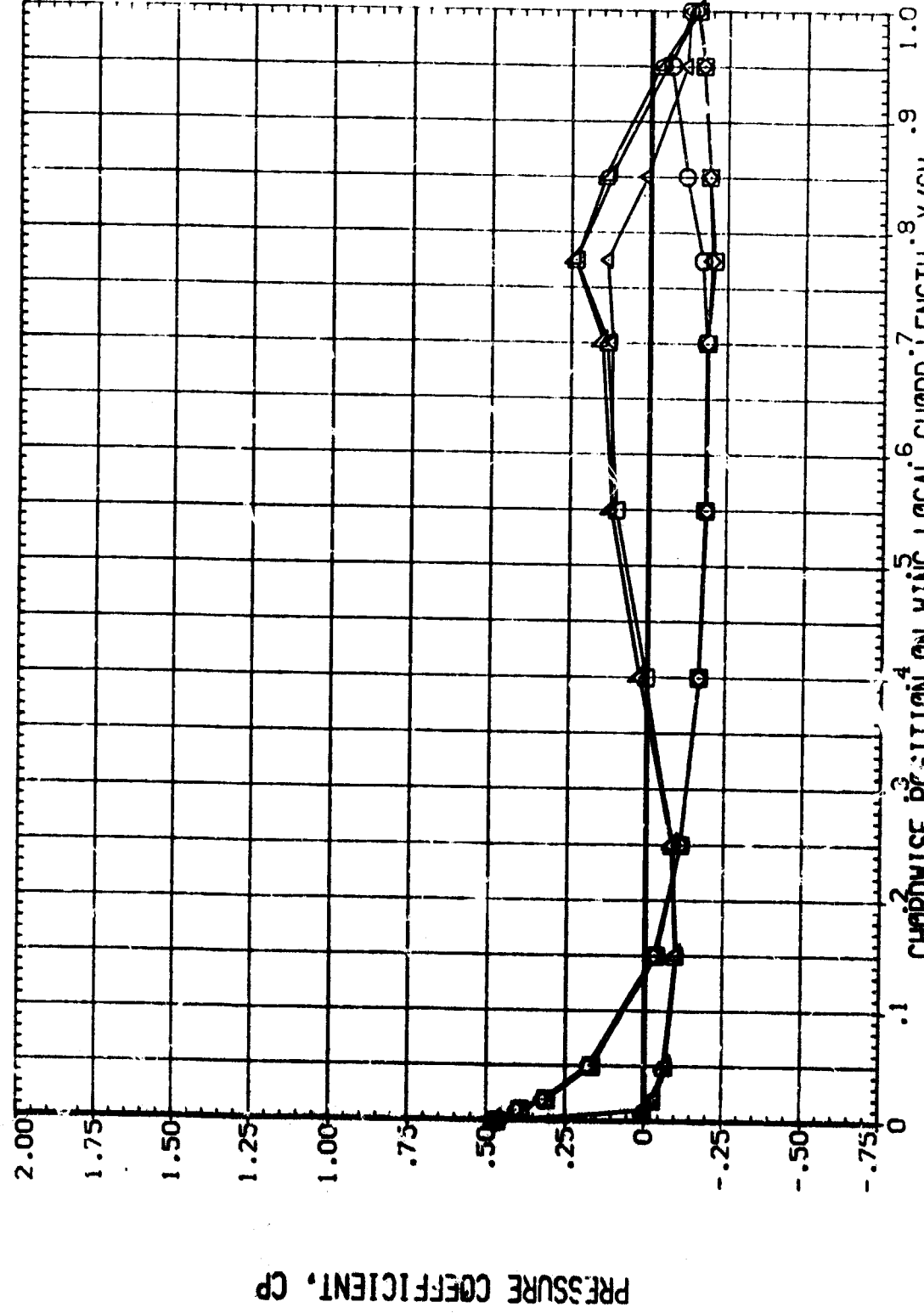


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA= .000 BETA= 4.000 Y/B = .673

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

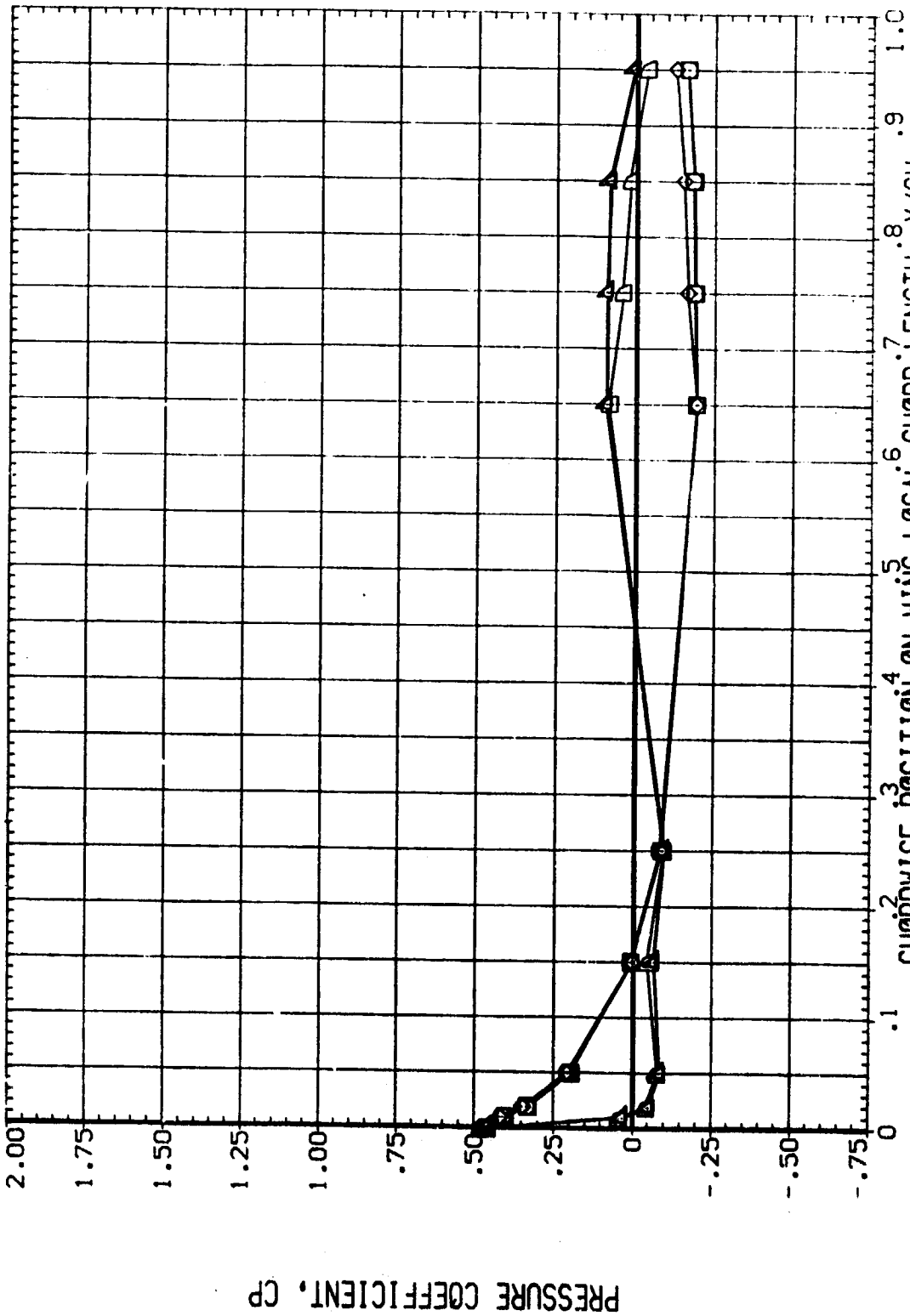


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

DATA SET SYMB.	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAG1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

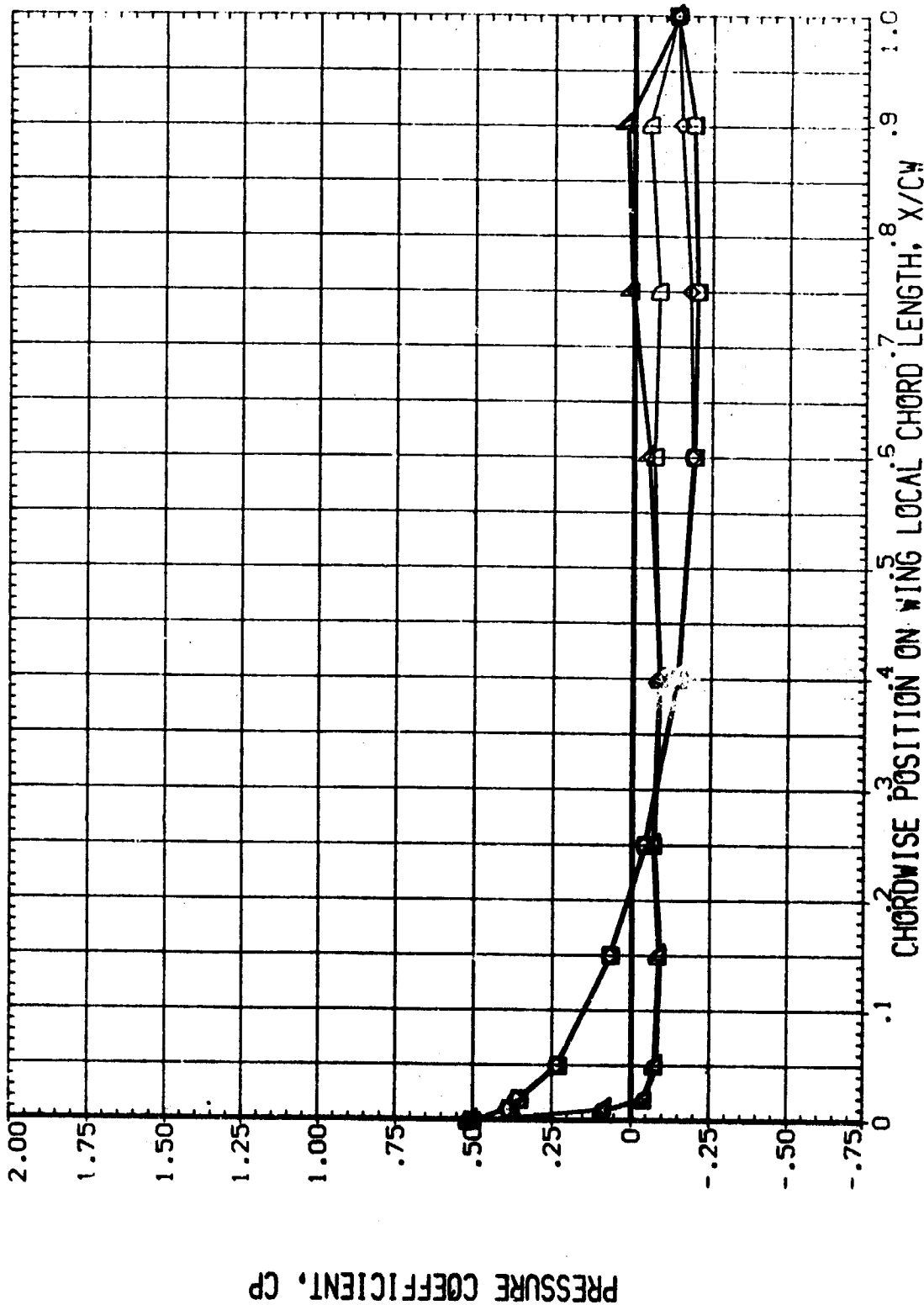


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = .000 BETA = 4.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

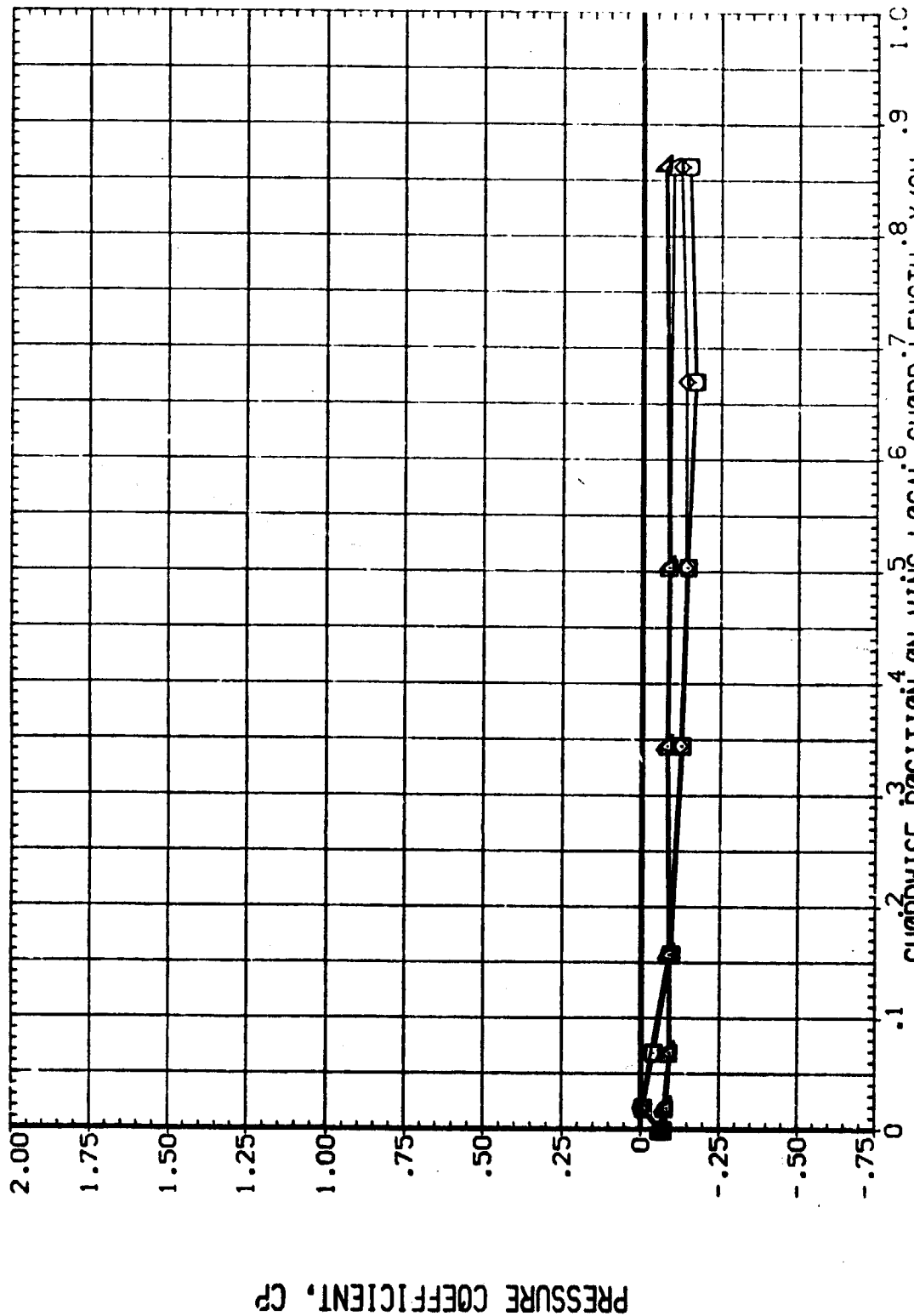


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA=0.000 BETA=0.4000 Y/BW = .972

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETM1)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	6.000	2.500	-4.000
(1ETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(1ETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1ETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

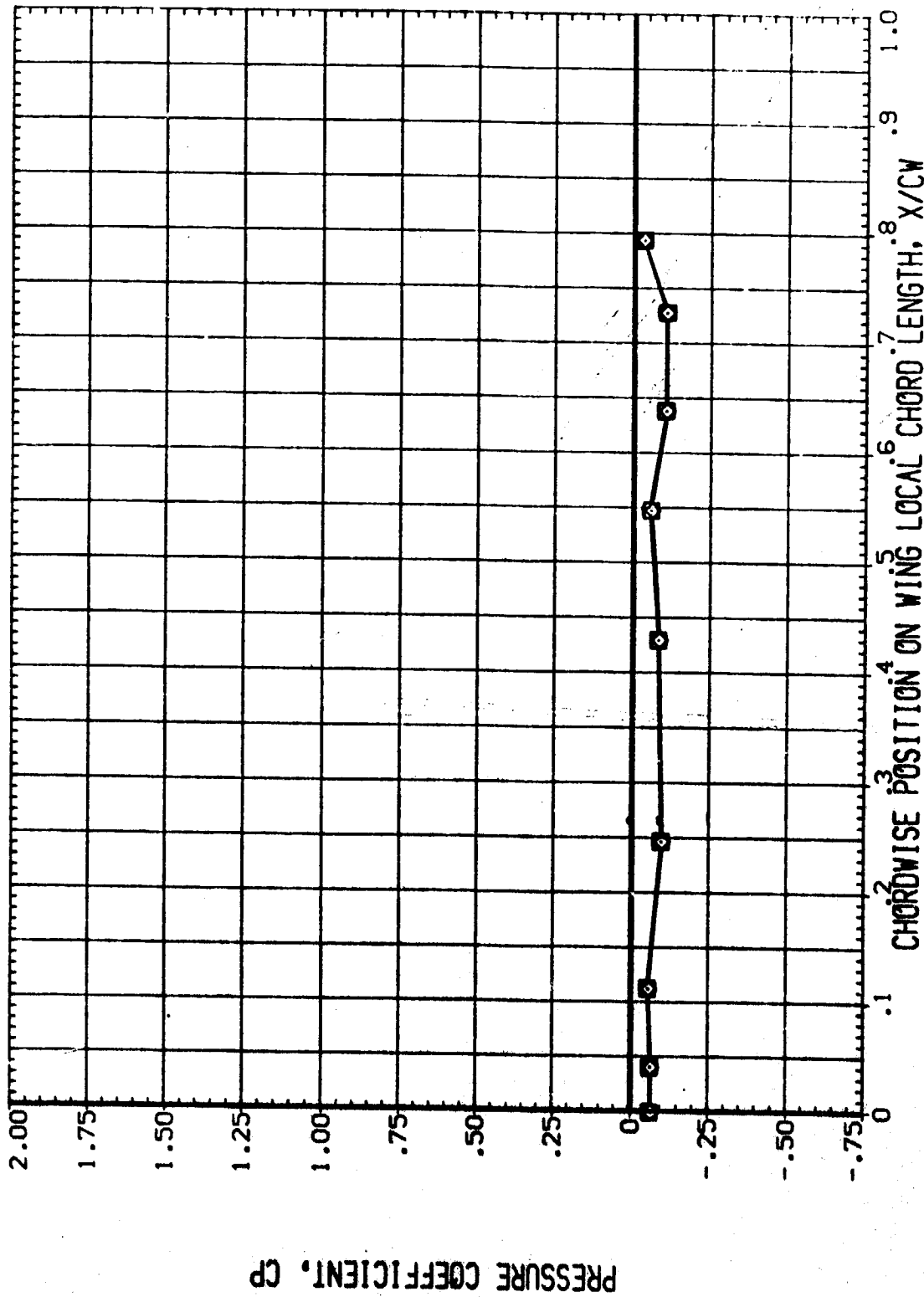


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA = .000 BETA = 6.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU57)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

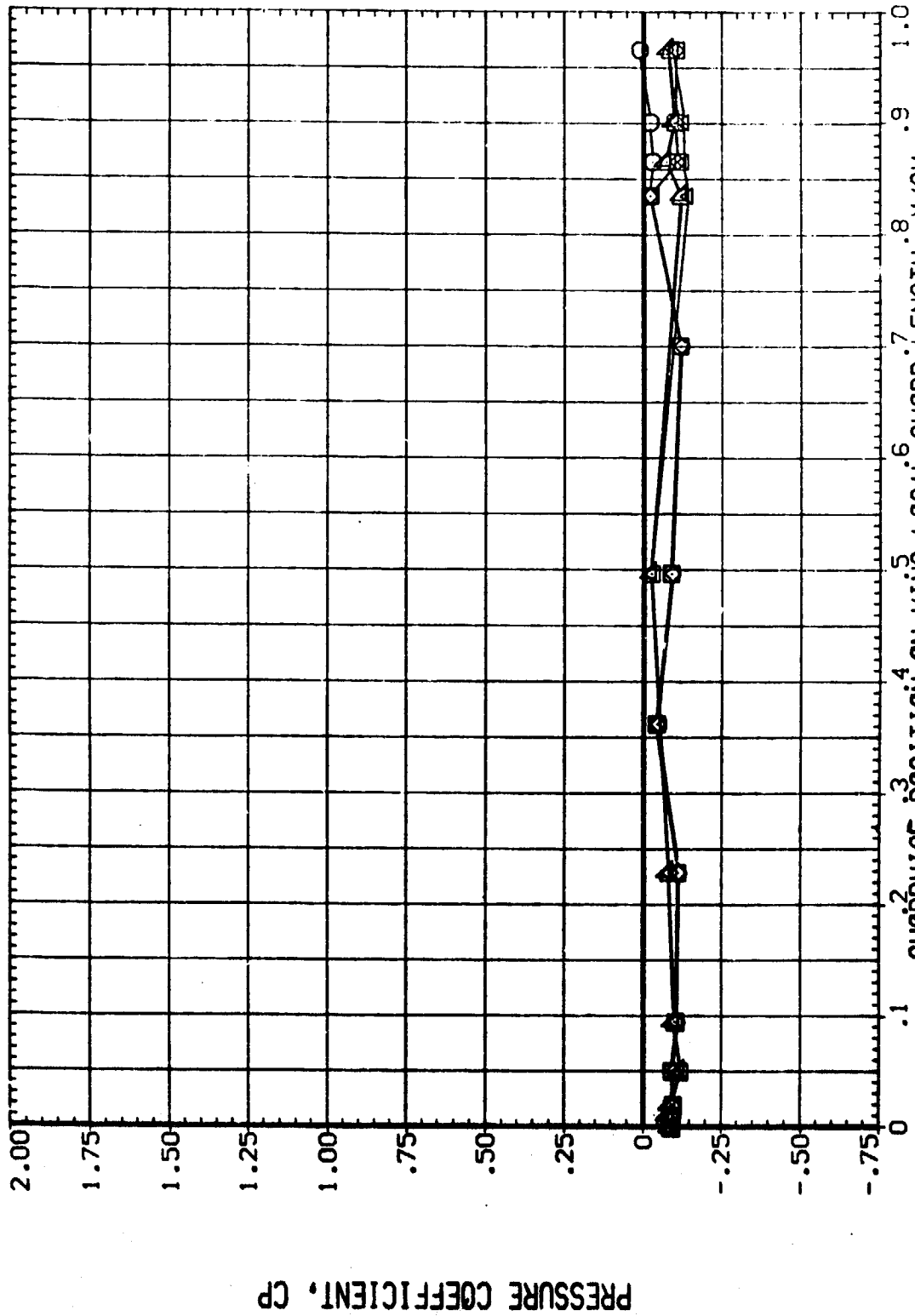
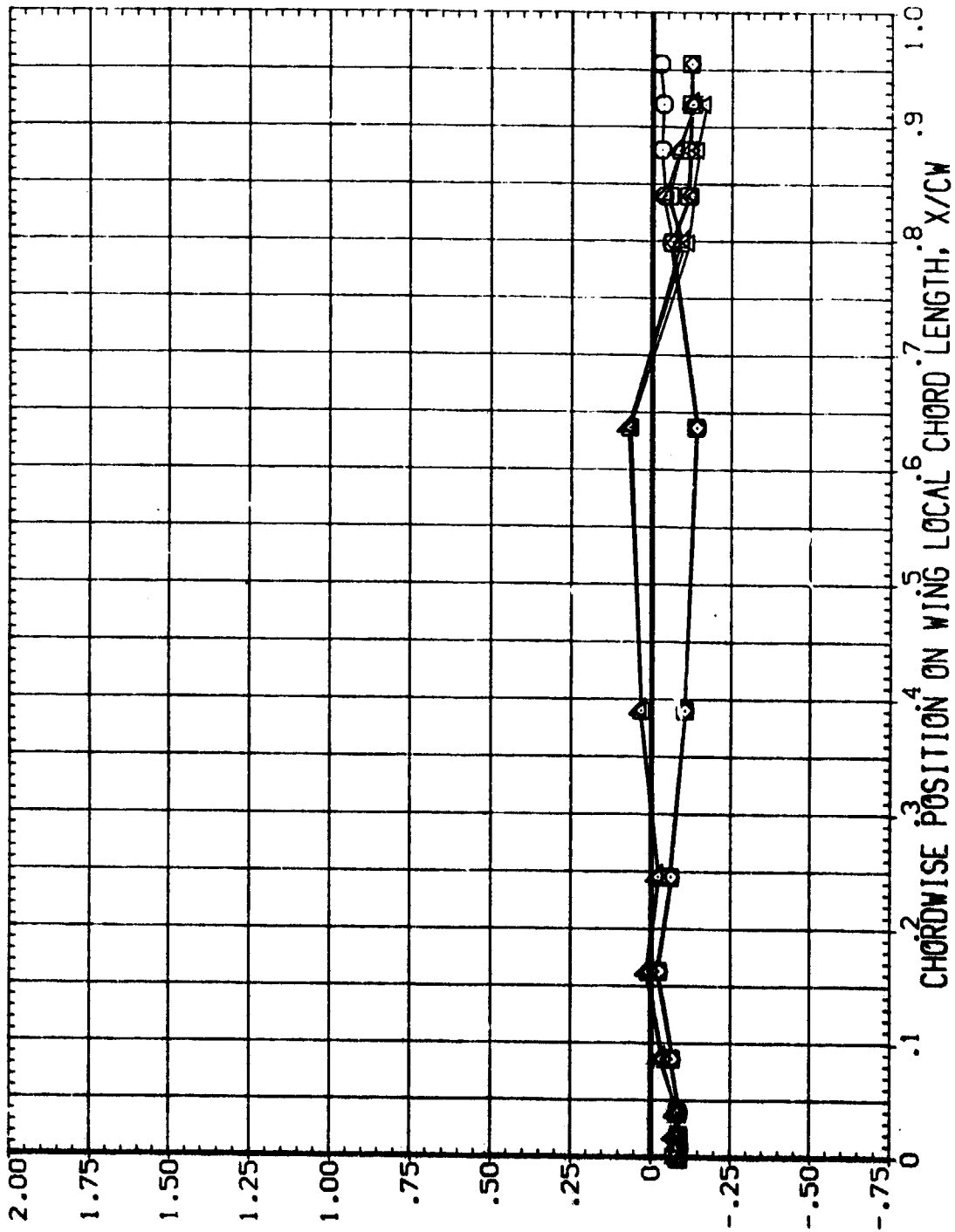


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1F	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

ALPHA = .000 BETA = 6.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

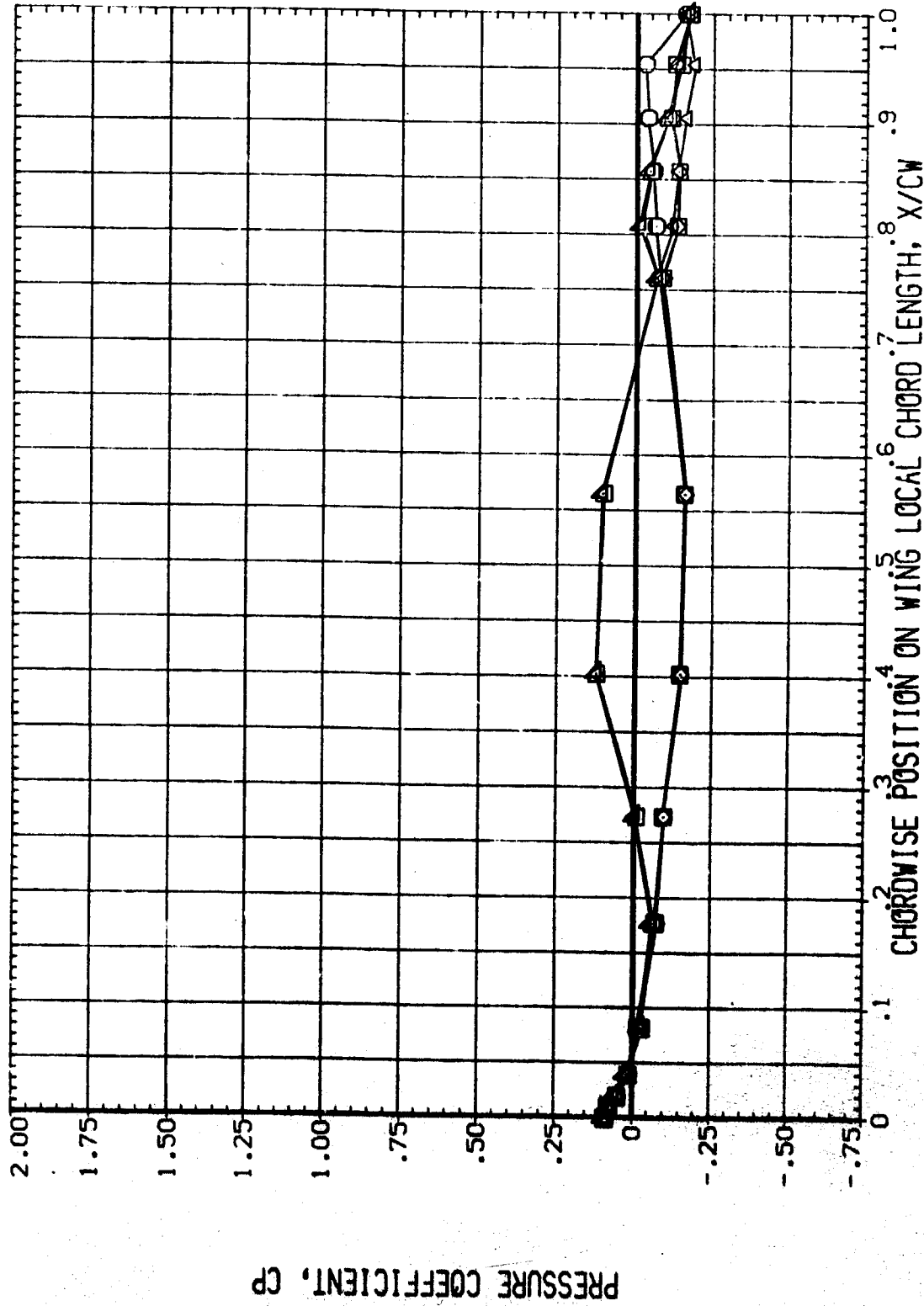


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA= .000 BETA= 6.000 Y/BW = .427 PAGE 1505

DATA SET SYMOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU1)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC37-019 IAB1 LVAPCALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

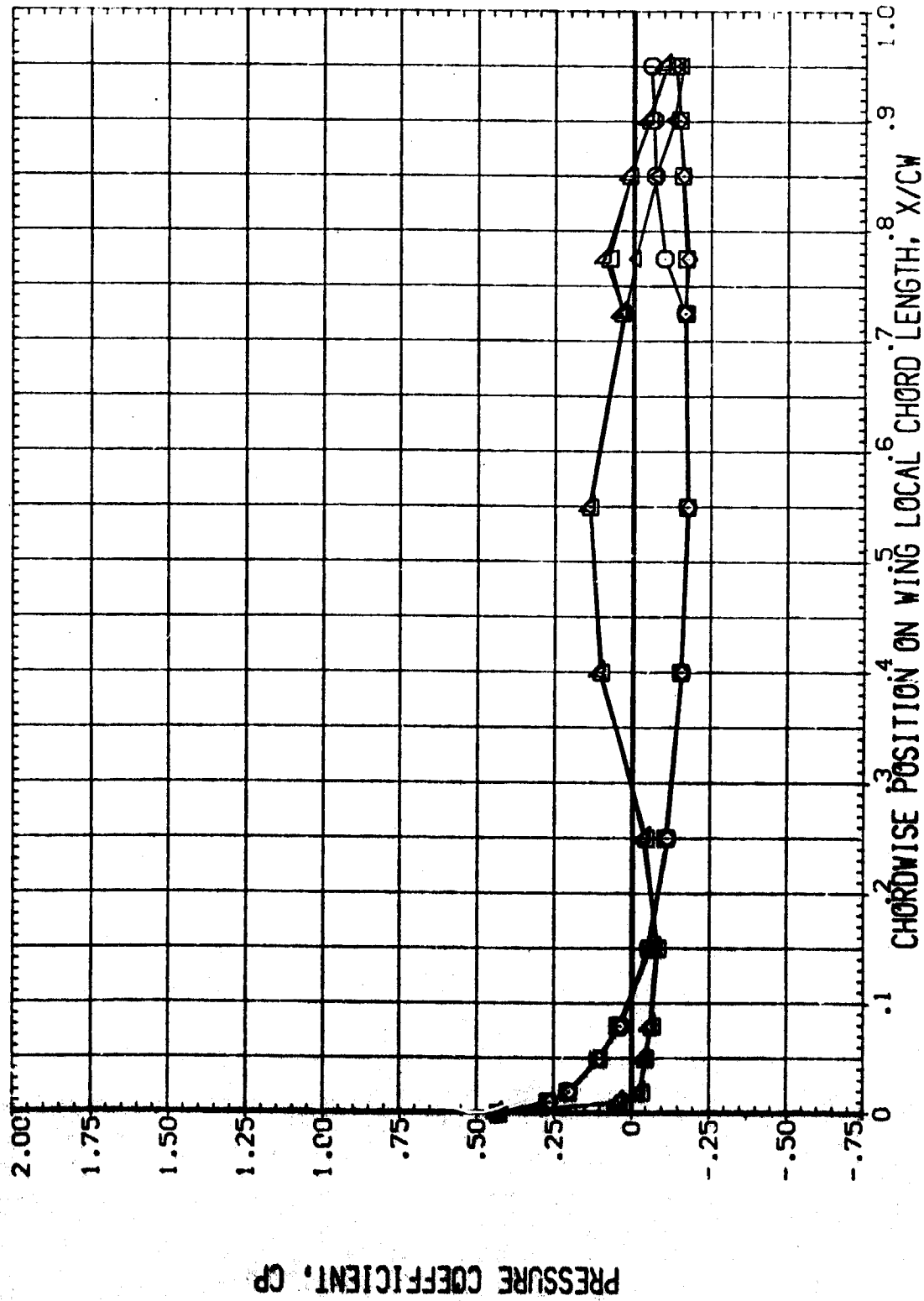


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA = .000 BETA = 6.000 Y/BW = .534
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(1) TU41)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1) TU45)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1) TU37)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1) EL41)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1) EL45)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1) EL37)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

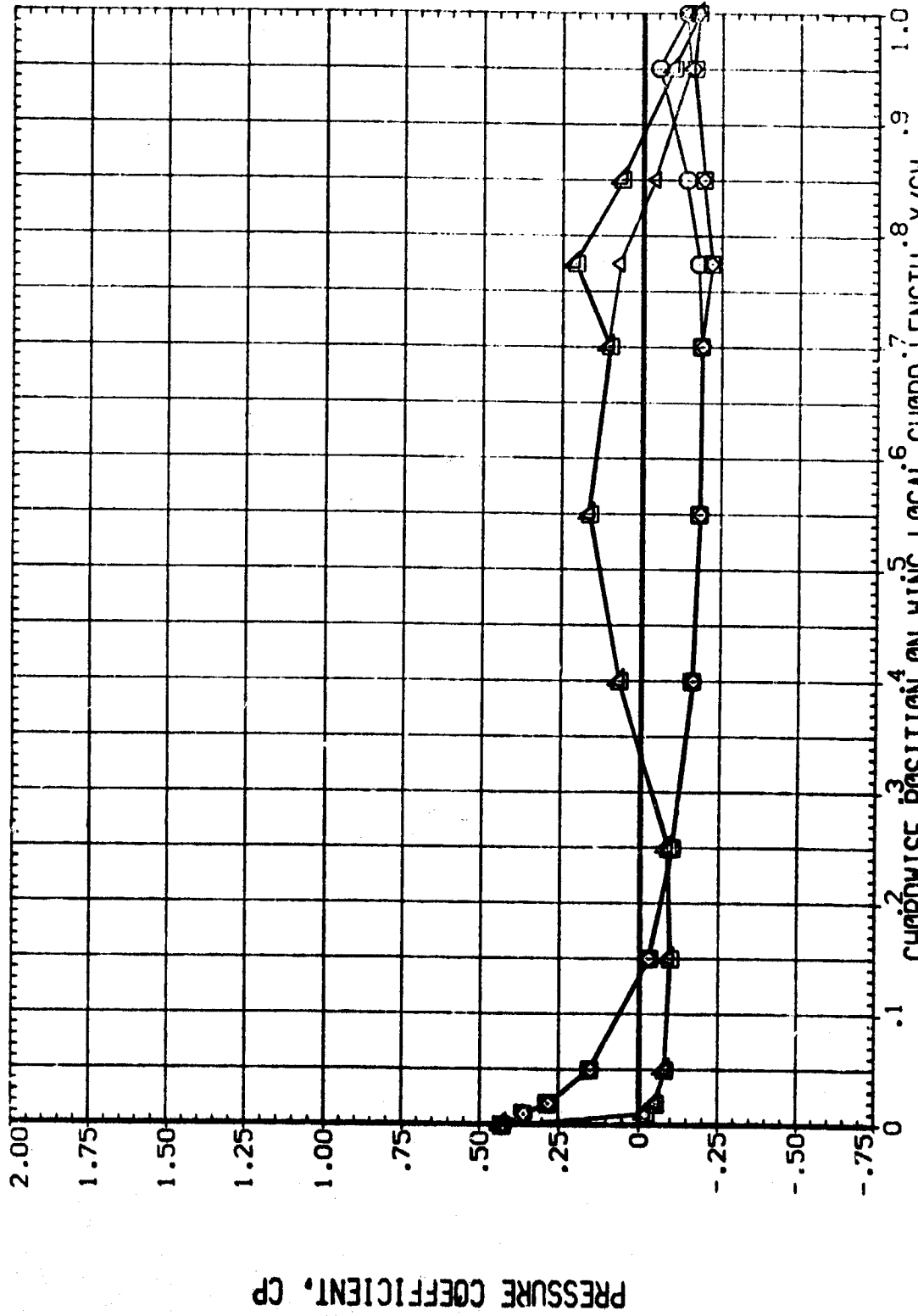


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB: LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

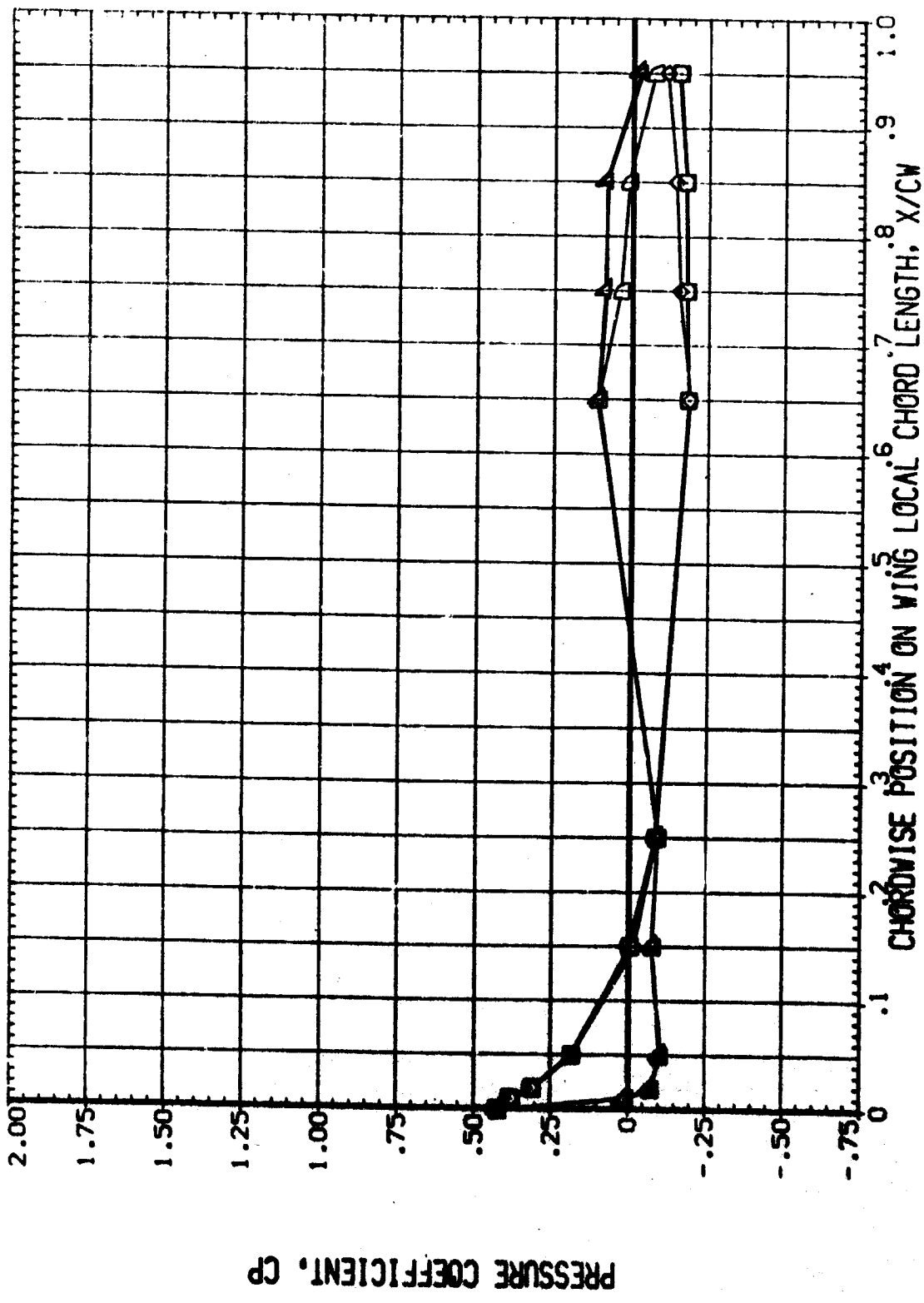


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA0 = .000 BETA0 = 6.000 Y/BW = .780 PAGE 1508

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(1E TU1)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E TU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E TU37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1E TL41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E TL45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E TL37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

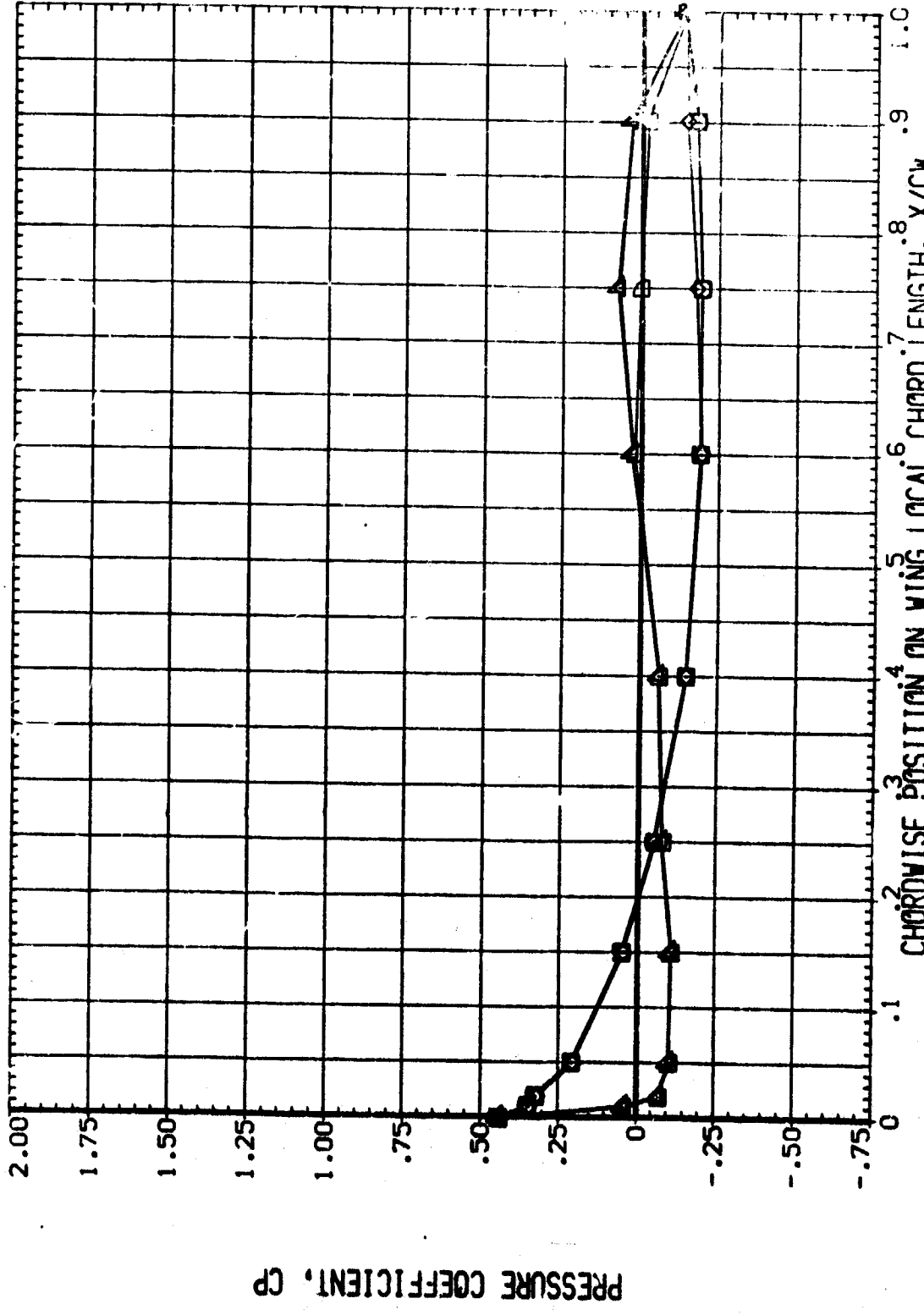
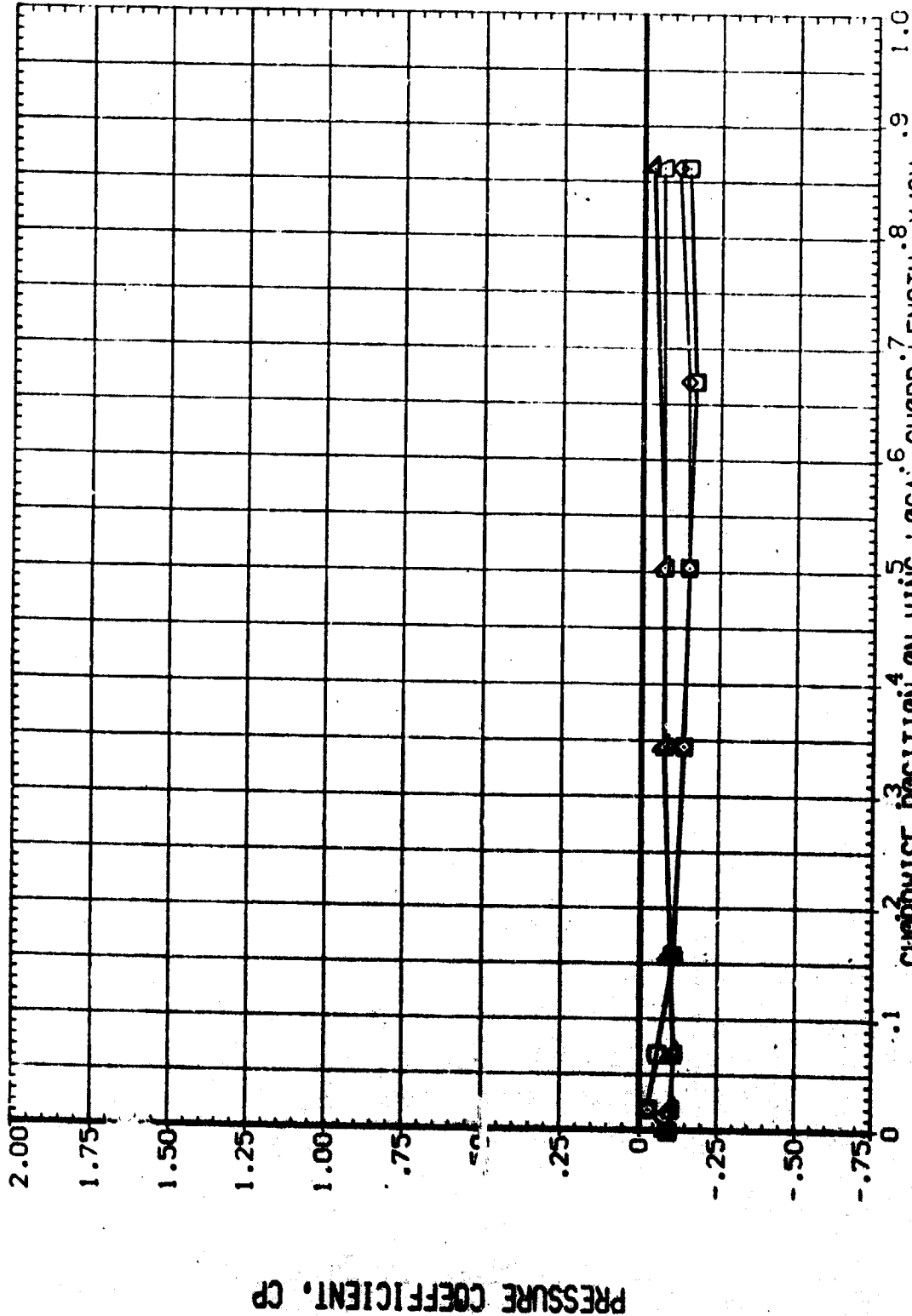


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA = .000 BETAG = 6.000 Y/RW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU77)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = .000 BETA = 6.000 Y/BW = .972

DA: SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-08
 (IE:041) ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP 2.200 .000 2.500 .000
 (IE:045) ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP 2.200 8.000 2.500 .000
 (IE:037) ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP 2.200 8.000 2.500 -4.000
 (IE:041) DATA NOT AVAILABLE 2.200 .000 2.500 .000
 (IE:045) DATA NOT AVAILABLE 2.200 8.000 2.500 .000
 (IE:037) DATA NOT AVAILABLE 2.200 8.000 2.500 -4.000

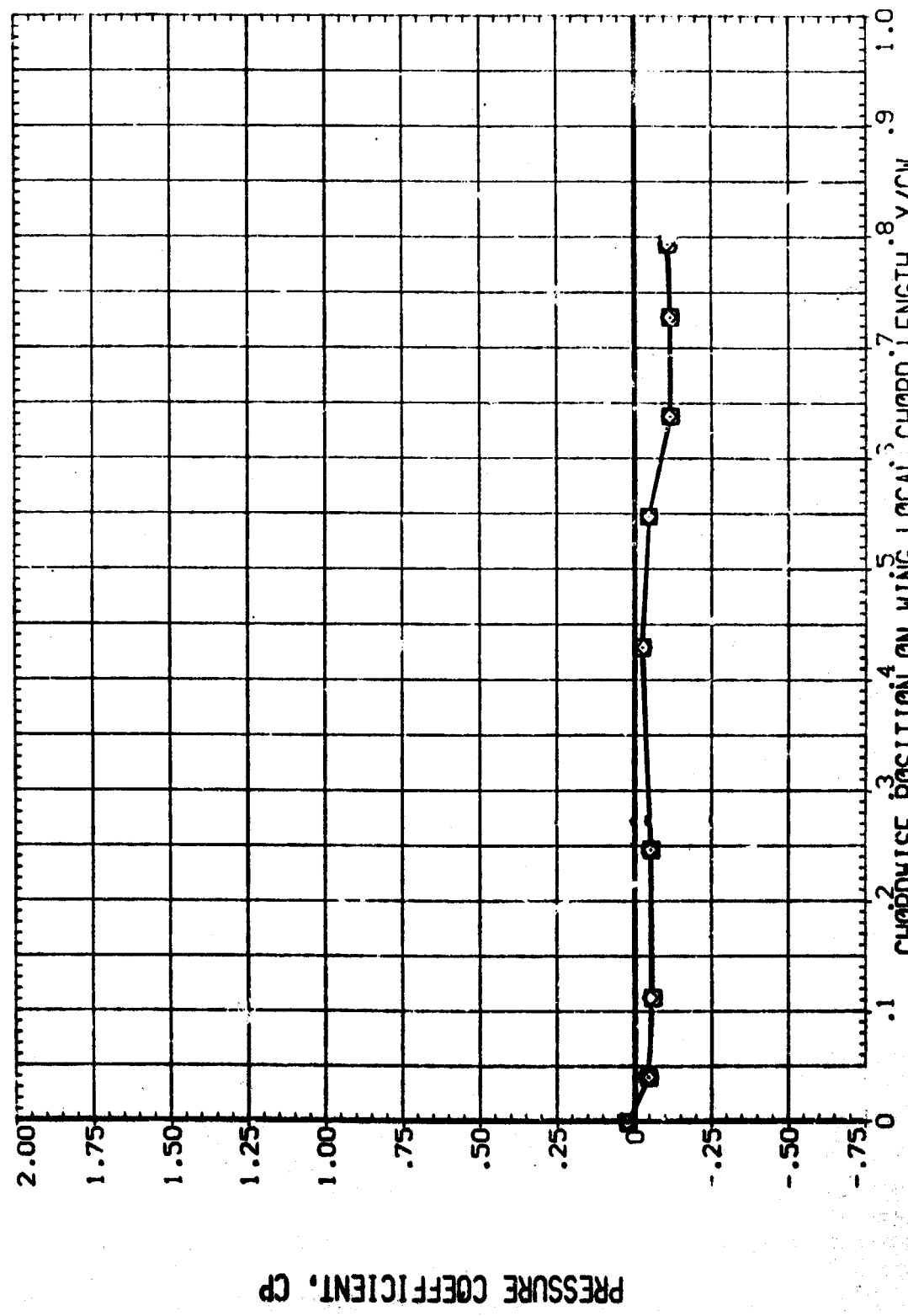


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA= 4.000 BETA0 = -4.000 Y/BW = .235 PAGE 1511

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

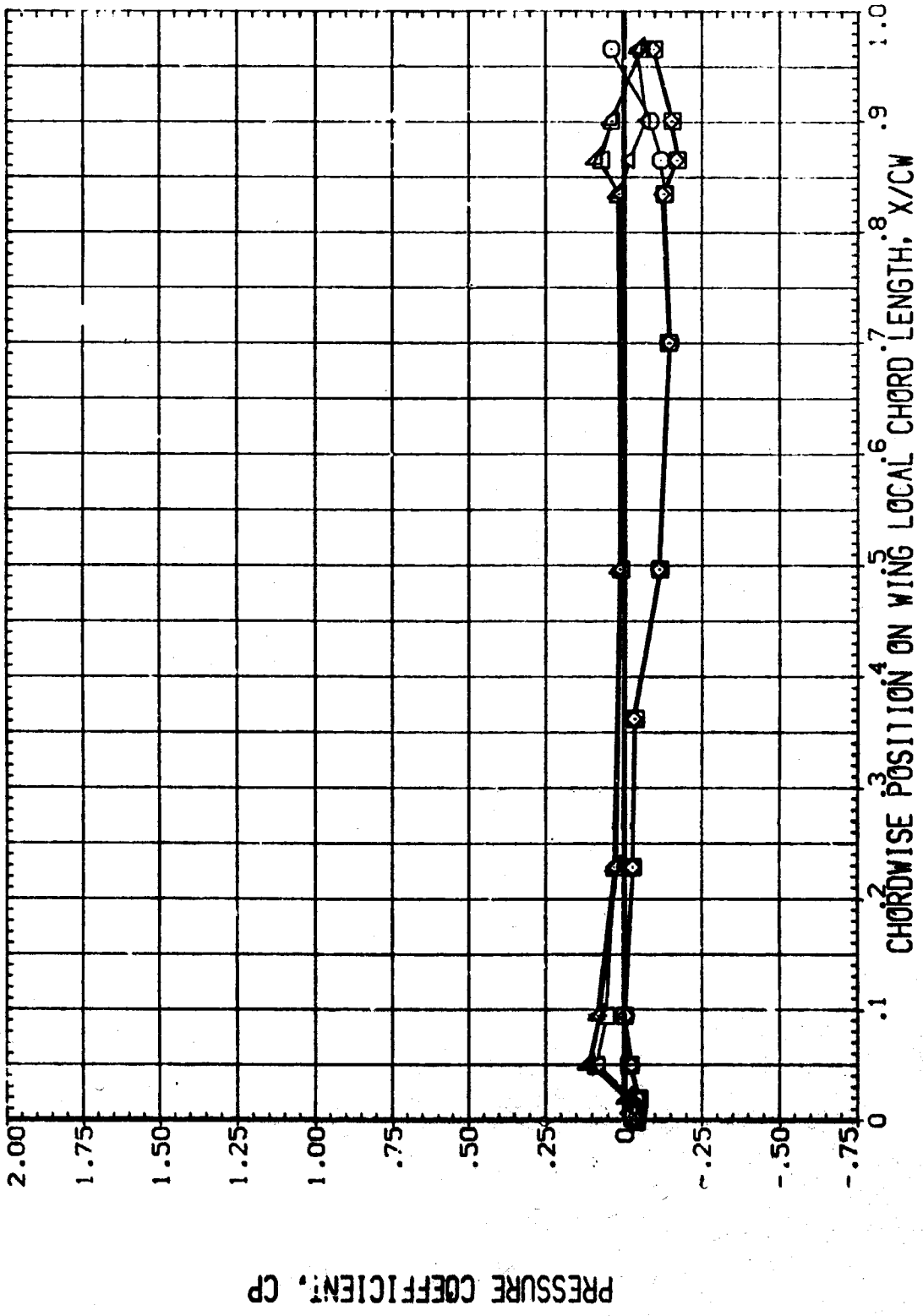


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA= 4.000 BETA= -4.000 Y/BW = .299 PAGE 1512

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(JETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	-4.000

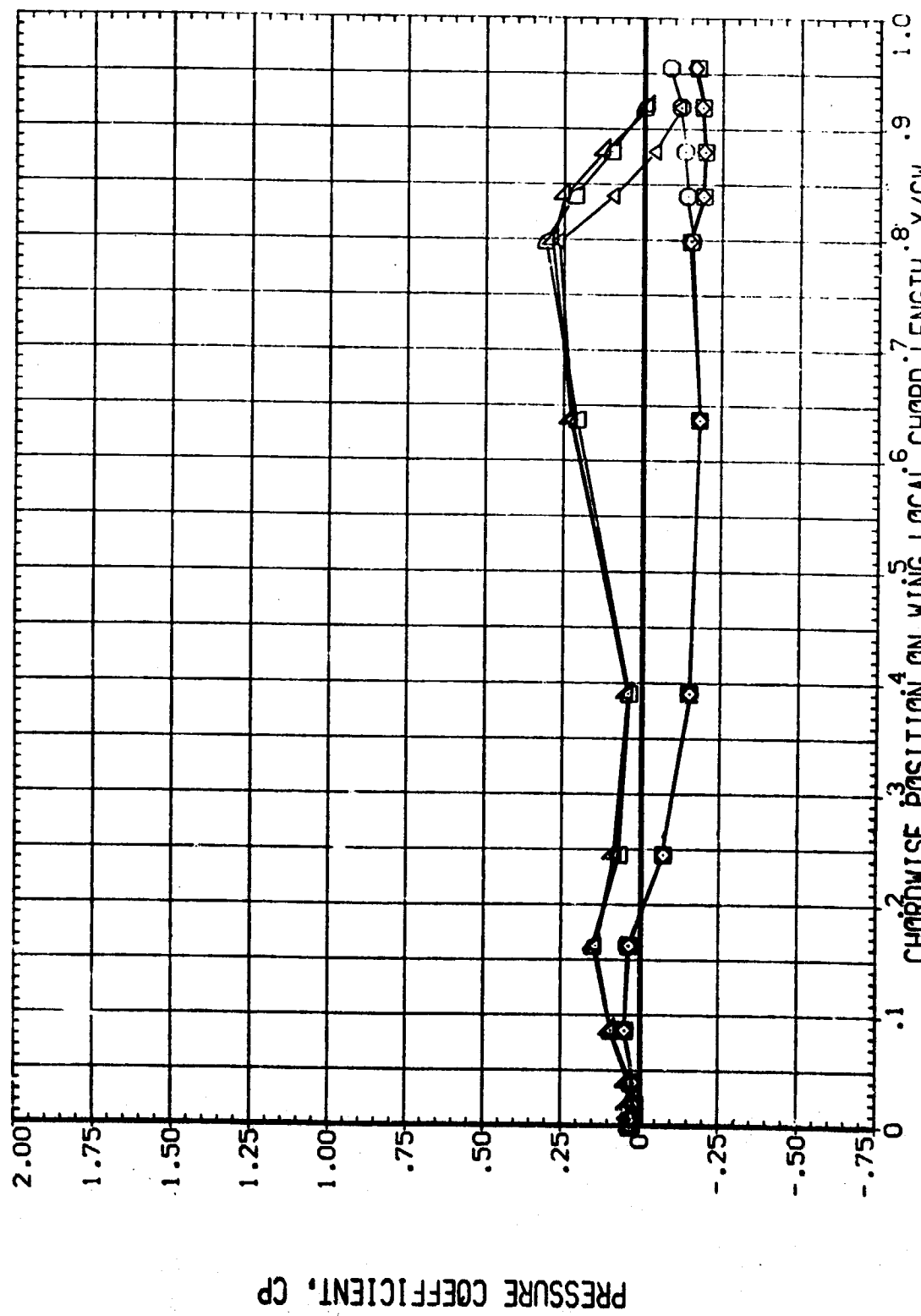
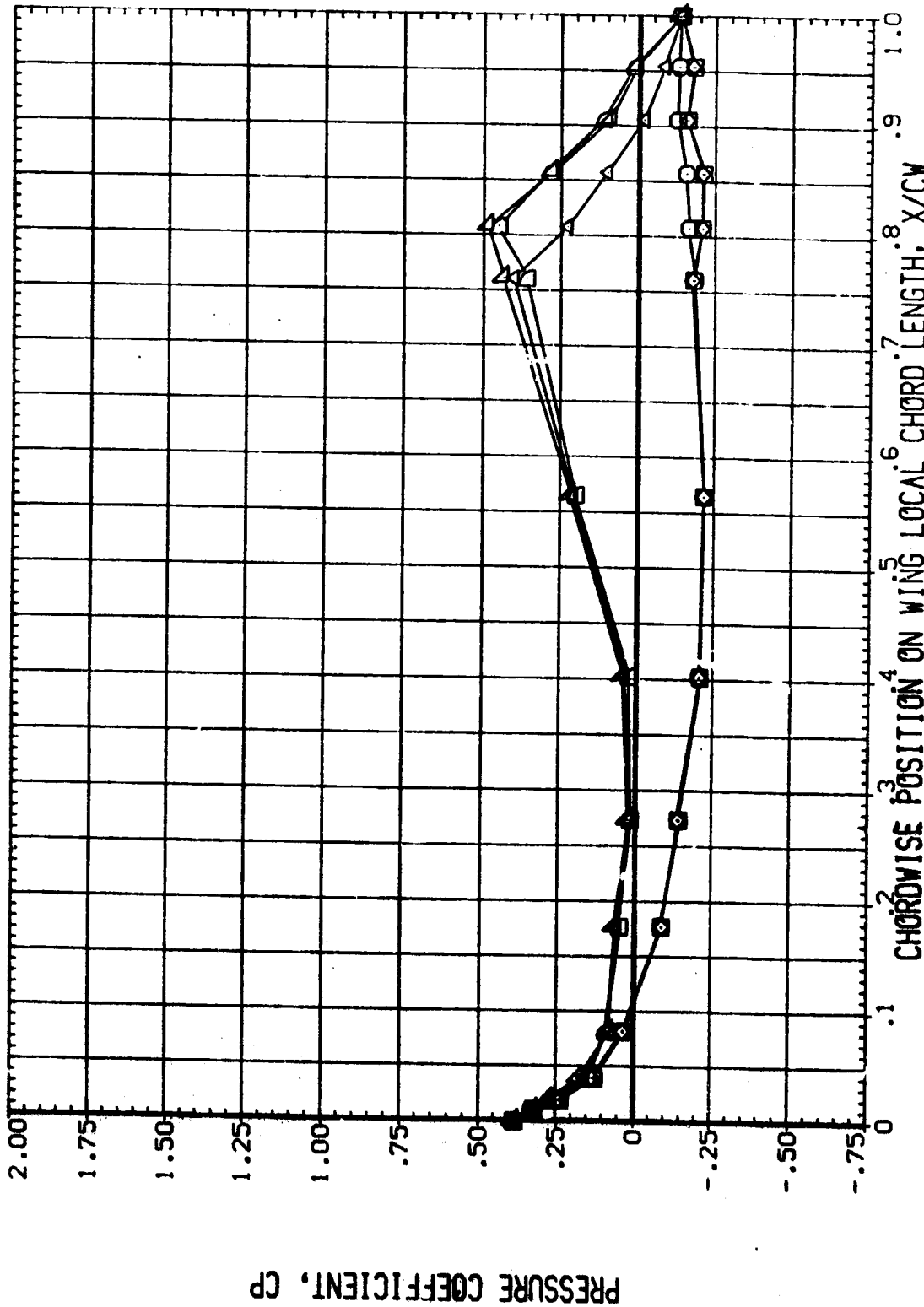


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU1)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU4)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU7)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL4)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL5)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL7)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0. MACH = 2.20

ALPHA = 4.000 BETA = -4.000 Y/BW = .427

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(11 TU41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(11 TU45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(11 TU37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(11 TL41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(11 TL45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(11 TL37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

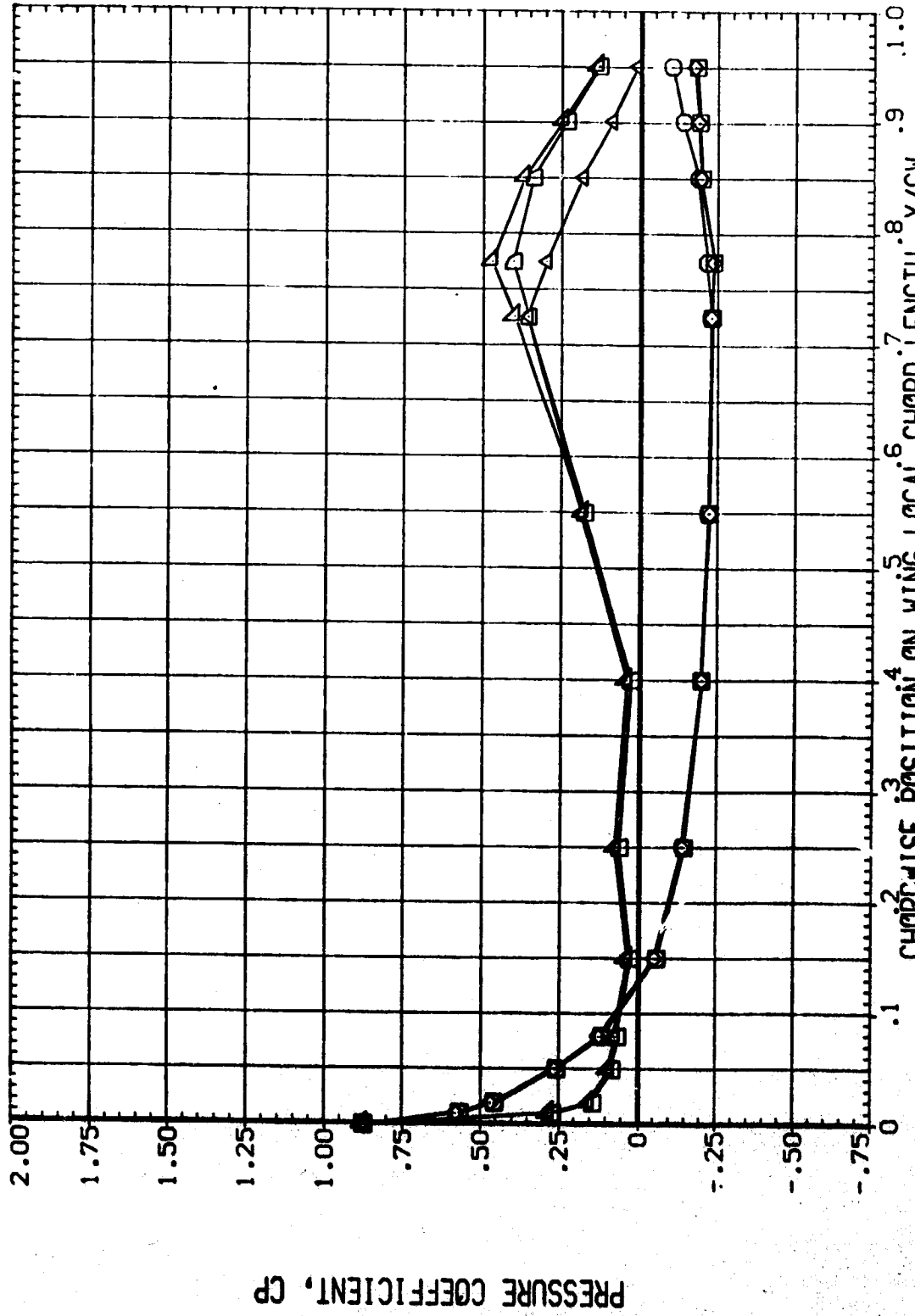


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA = 4.000 BETA = -4.000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU41)	IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETU45)	IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(1ETU49)	IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	IAB1 LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(1ETL45)	IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(1ETL37)	IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000

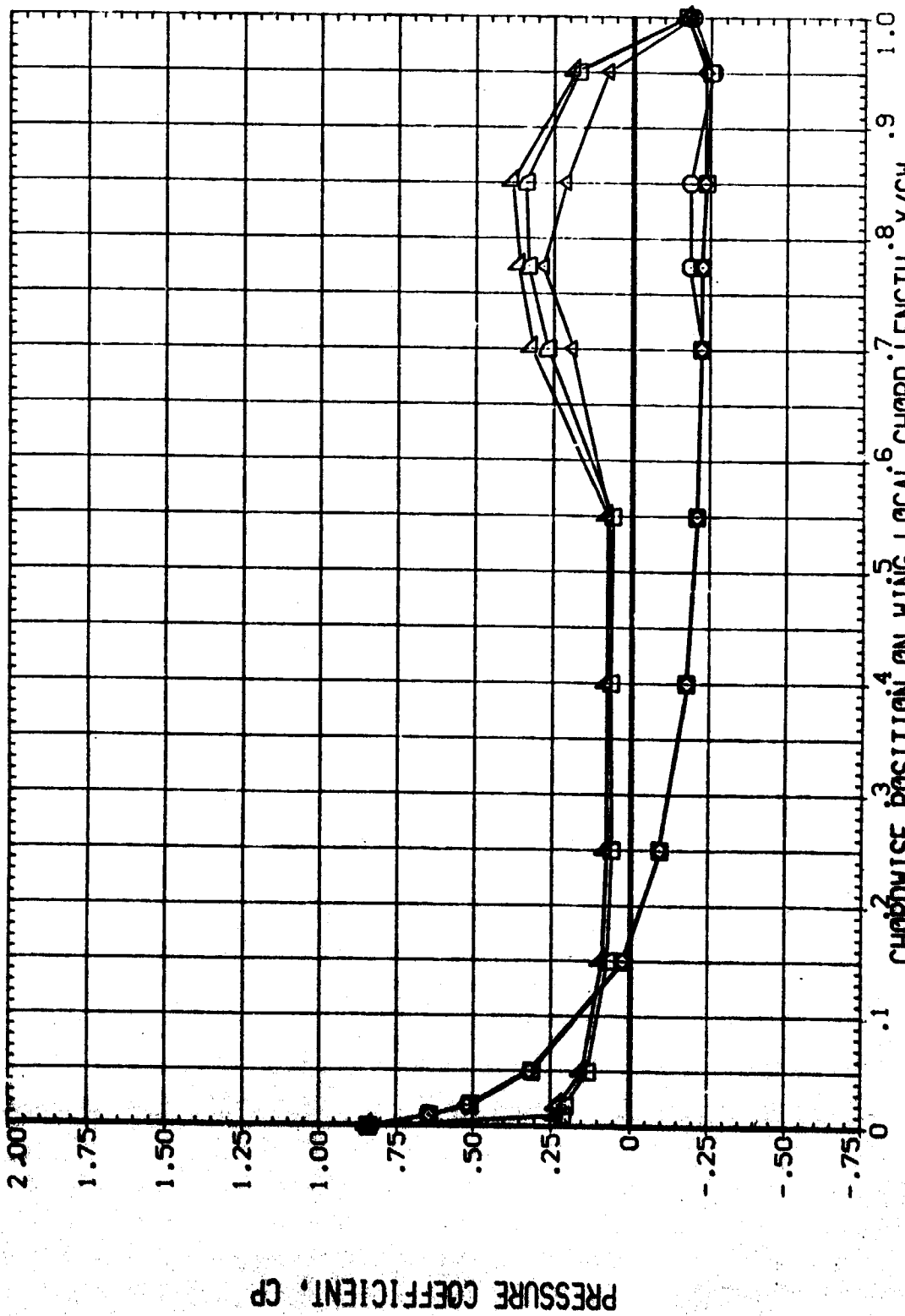


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .673 PAGE 1516

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

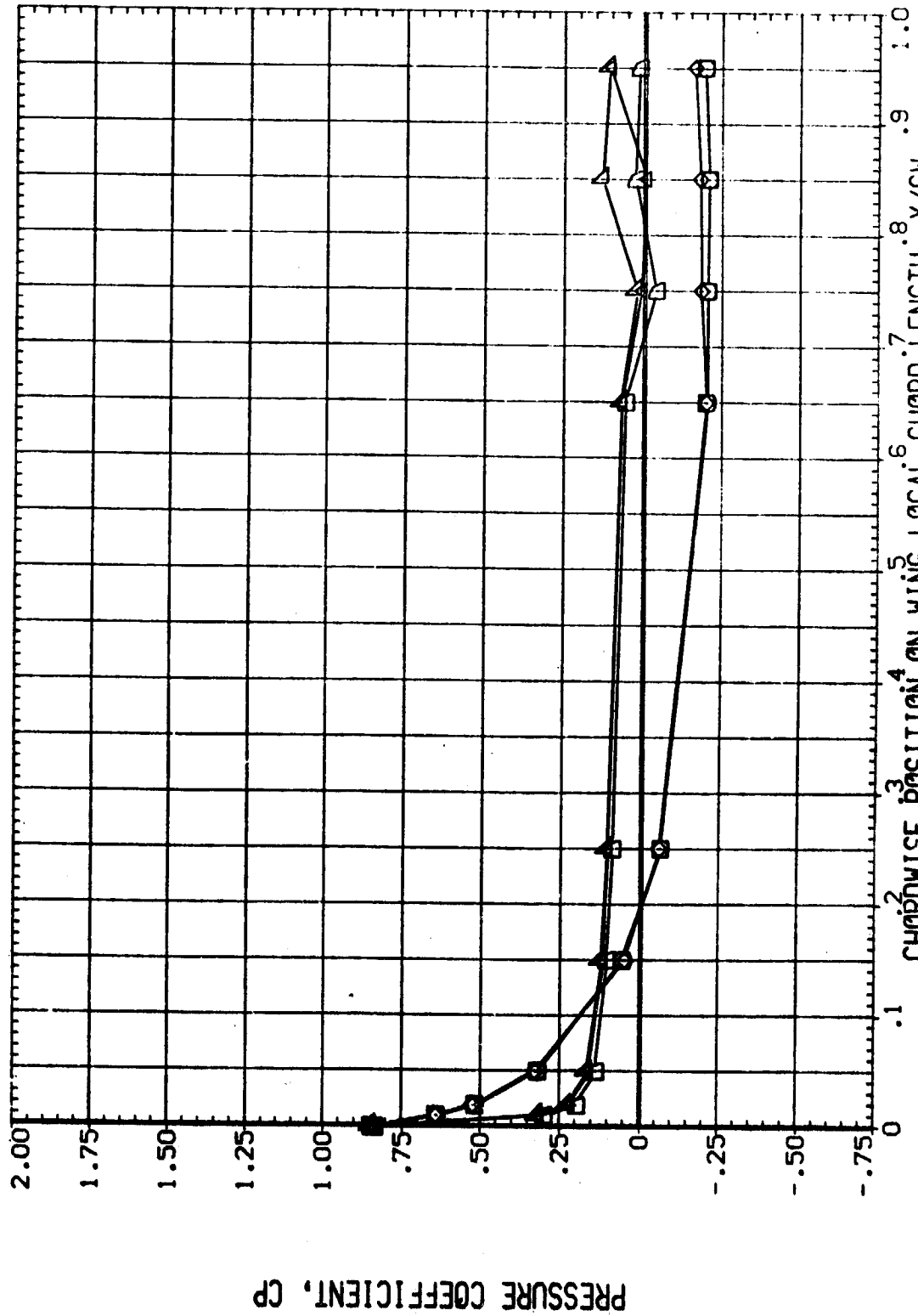


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .780

DATA SET SYMBL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU47)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC57-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

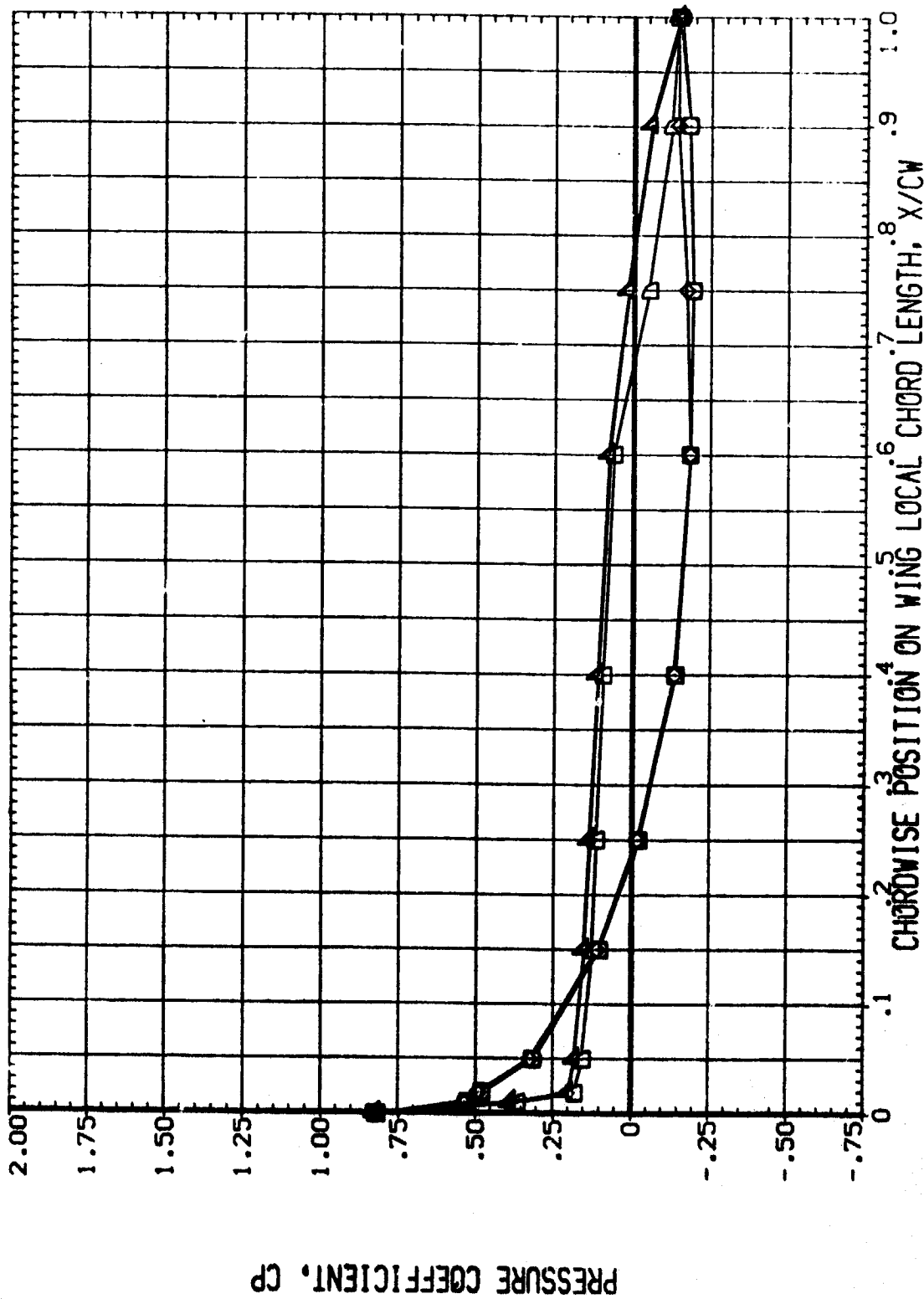


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .887 PAGE 1518

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1FTU41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1FTU45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1FTU37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

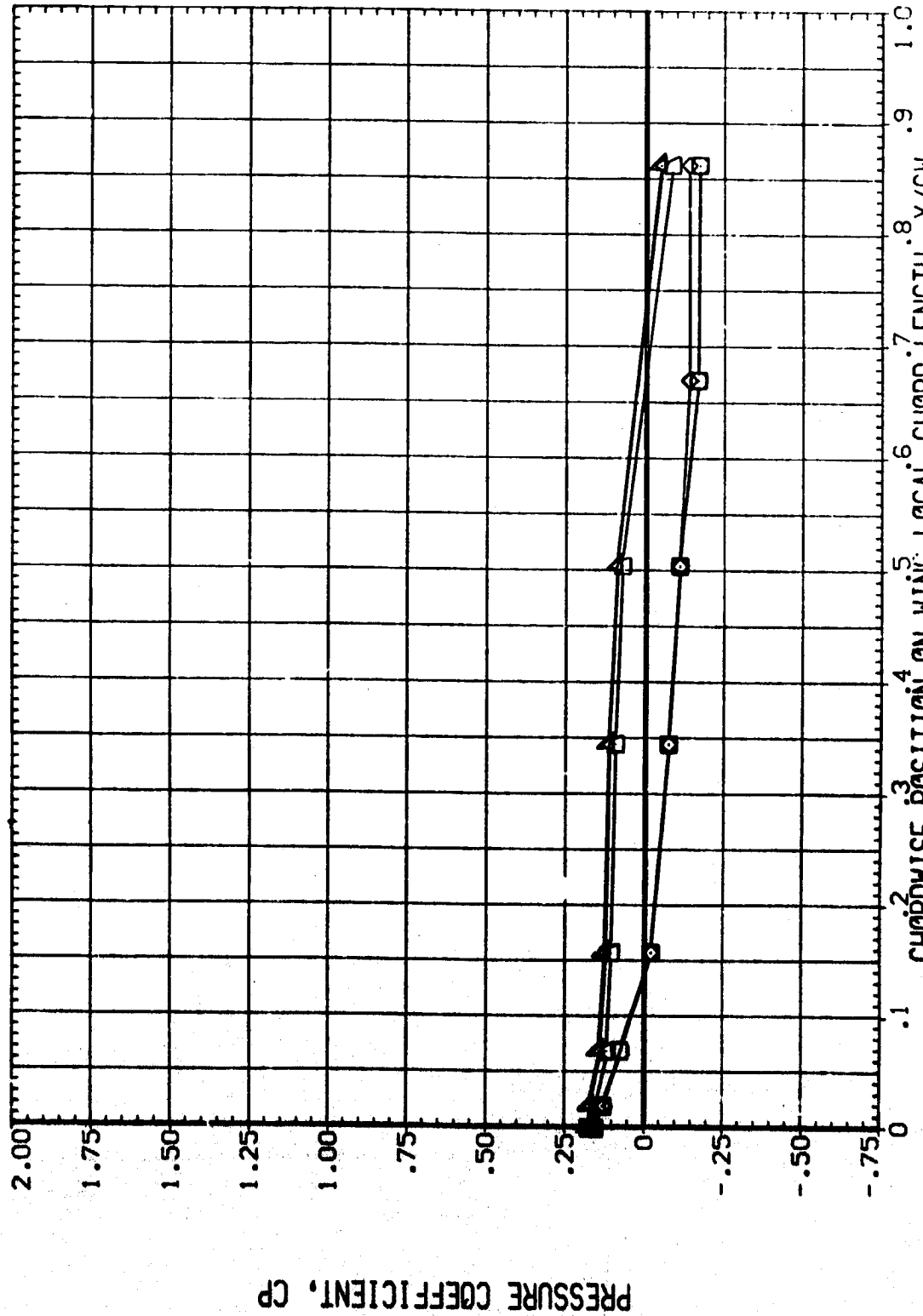
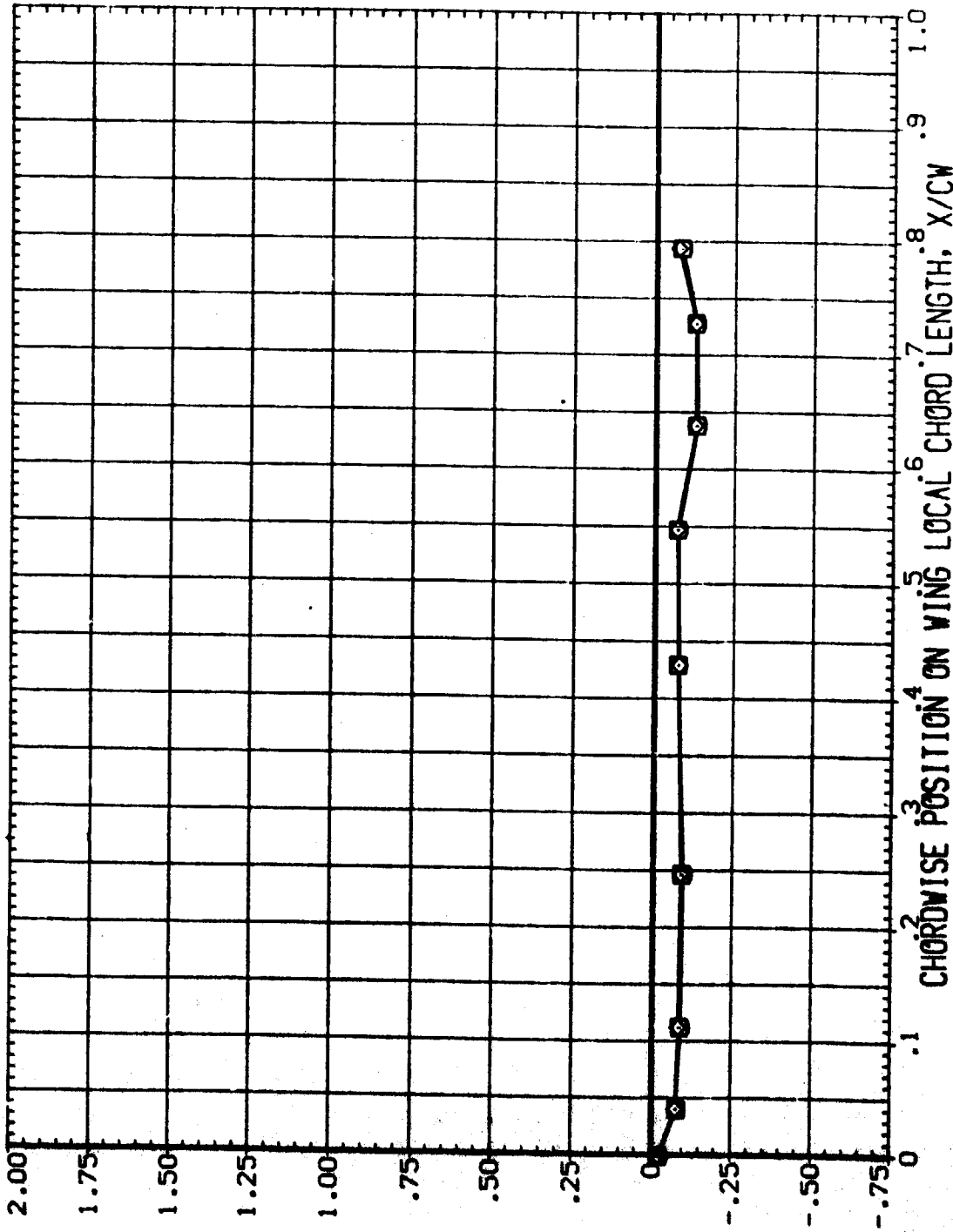


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU07)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(IETL45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(IETL37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0, MACH = 2.20

ALPHA= 4.000 BETA= .000 Y/BW = .235 PAGE 1520

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IF U41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IF U45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IF U37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IF L41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IF L45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IF L37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

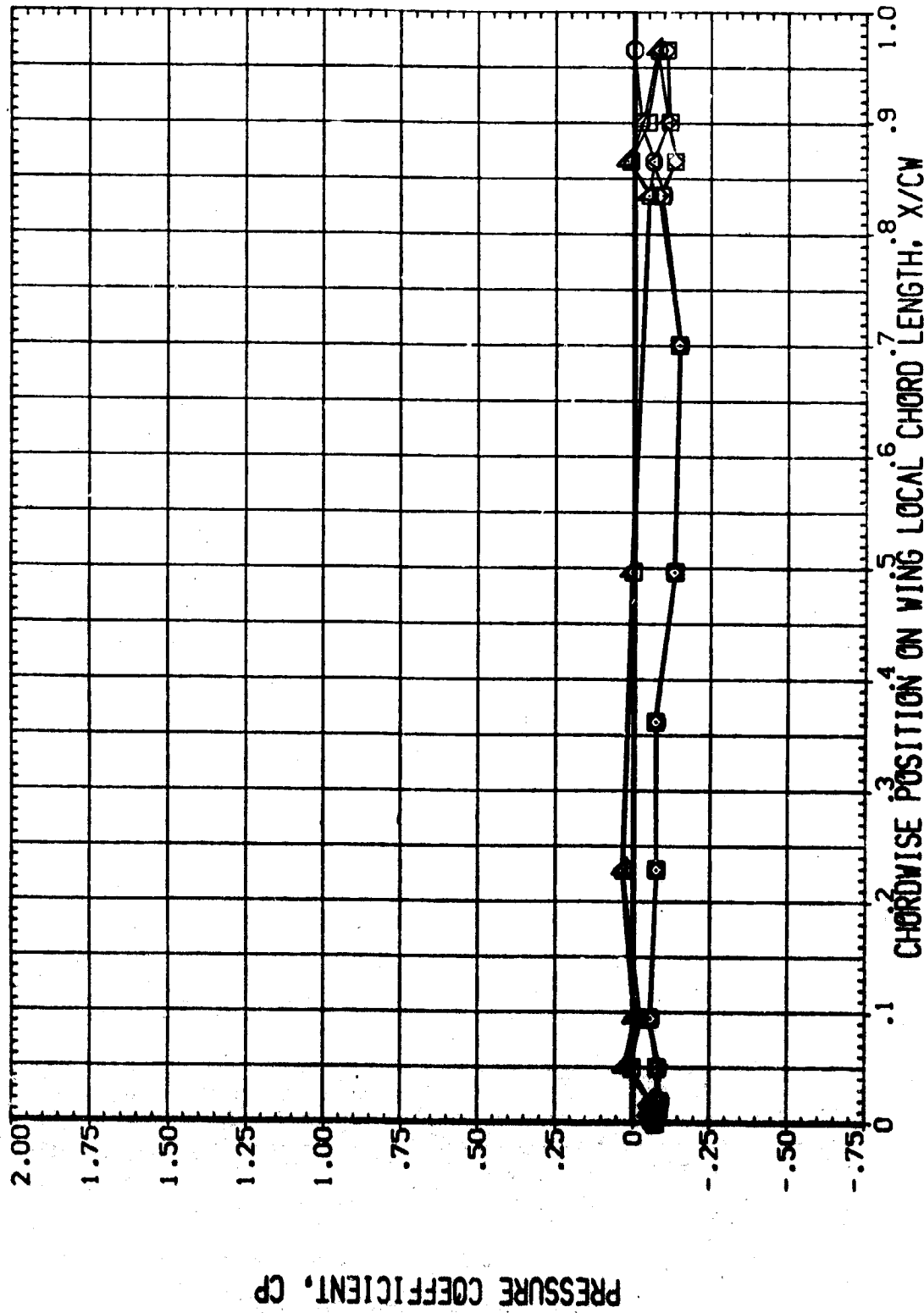


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELY-18	RM/FT	ELY-08
(IETU01)	[AB] LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(IETU03)	[AB] LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(IETU37)	[AB] LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(IETL41)	[AB] LVAP(ALLM SEALED)	2.200	.000	2.500	.000
(IETL45)	[AB] LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(IETL37)	[AB] LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000

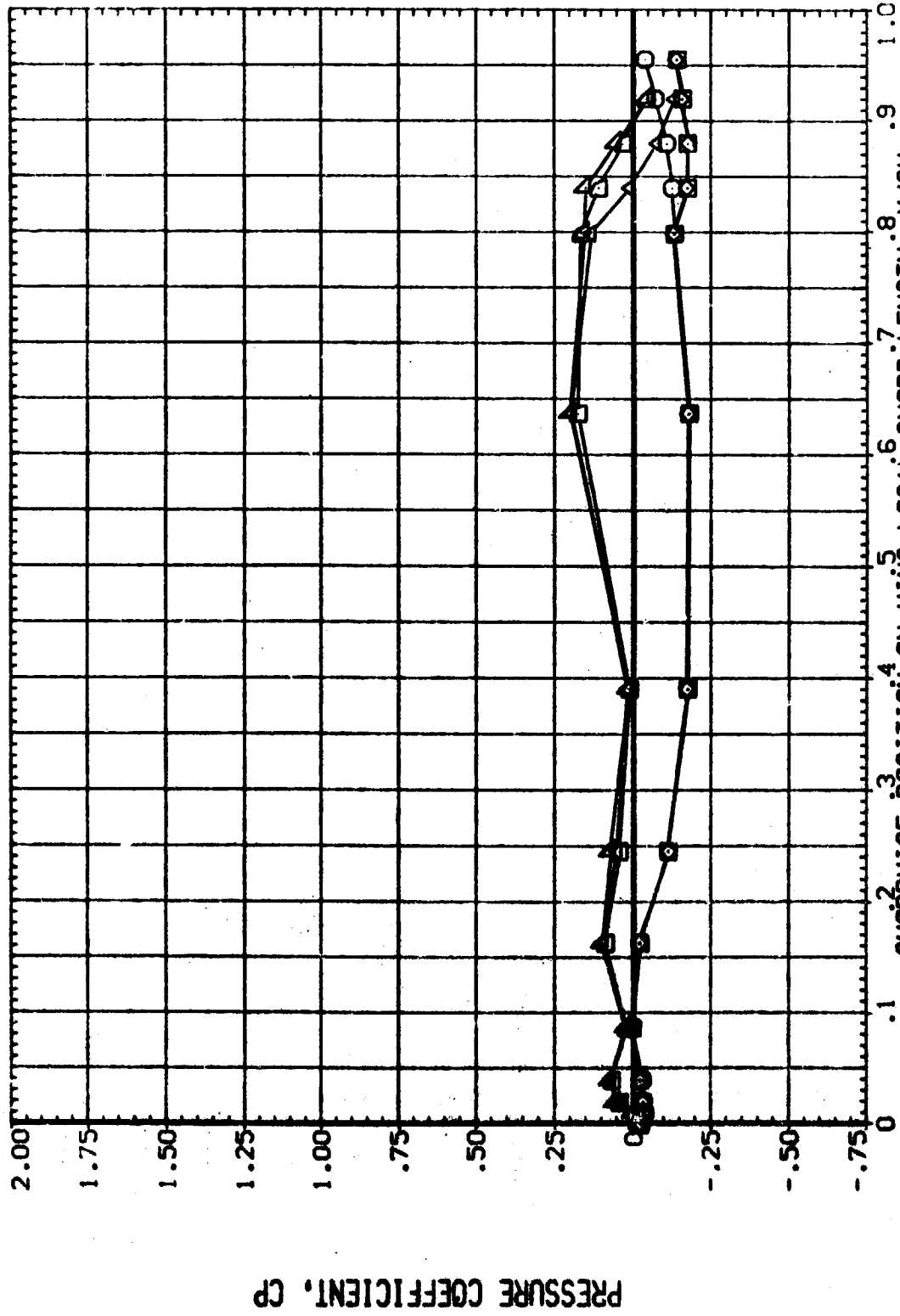


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.20

ALPHA = 4.000 BETA = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(I U41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(I U45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(I U37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(I L41)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(I L45)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(I L37)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-1.000

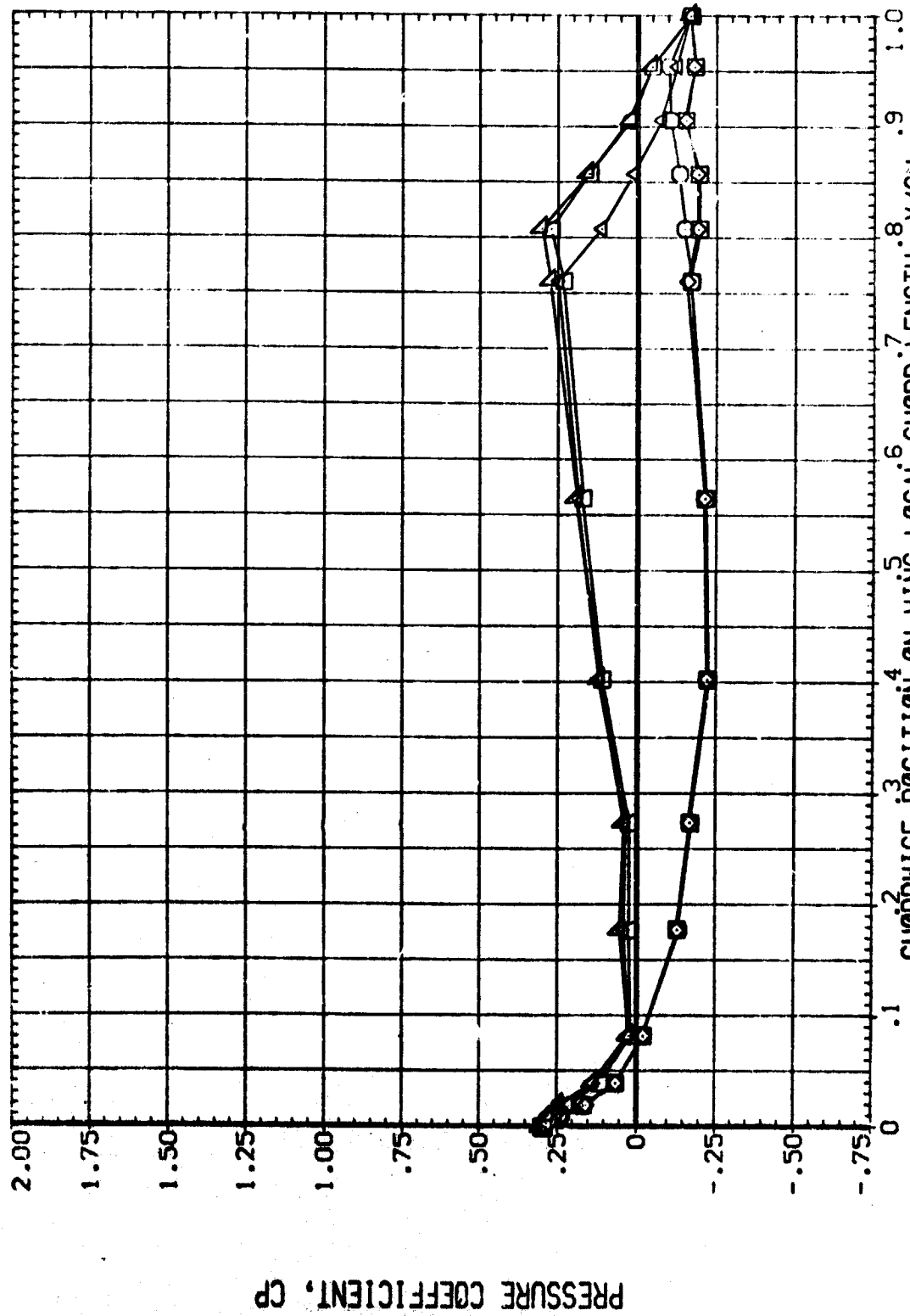


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA0 = 4.000 BETA0 = .000 Y/BW = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-08

(IETU41)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000

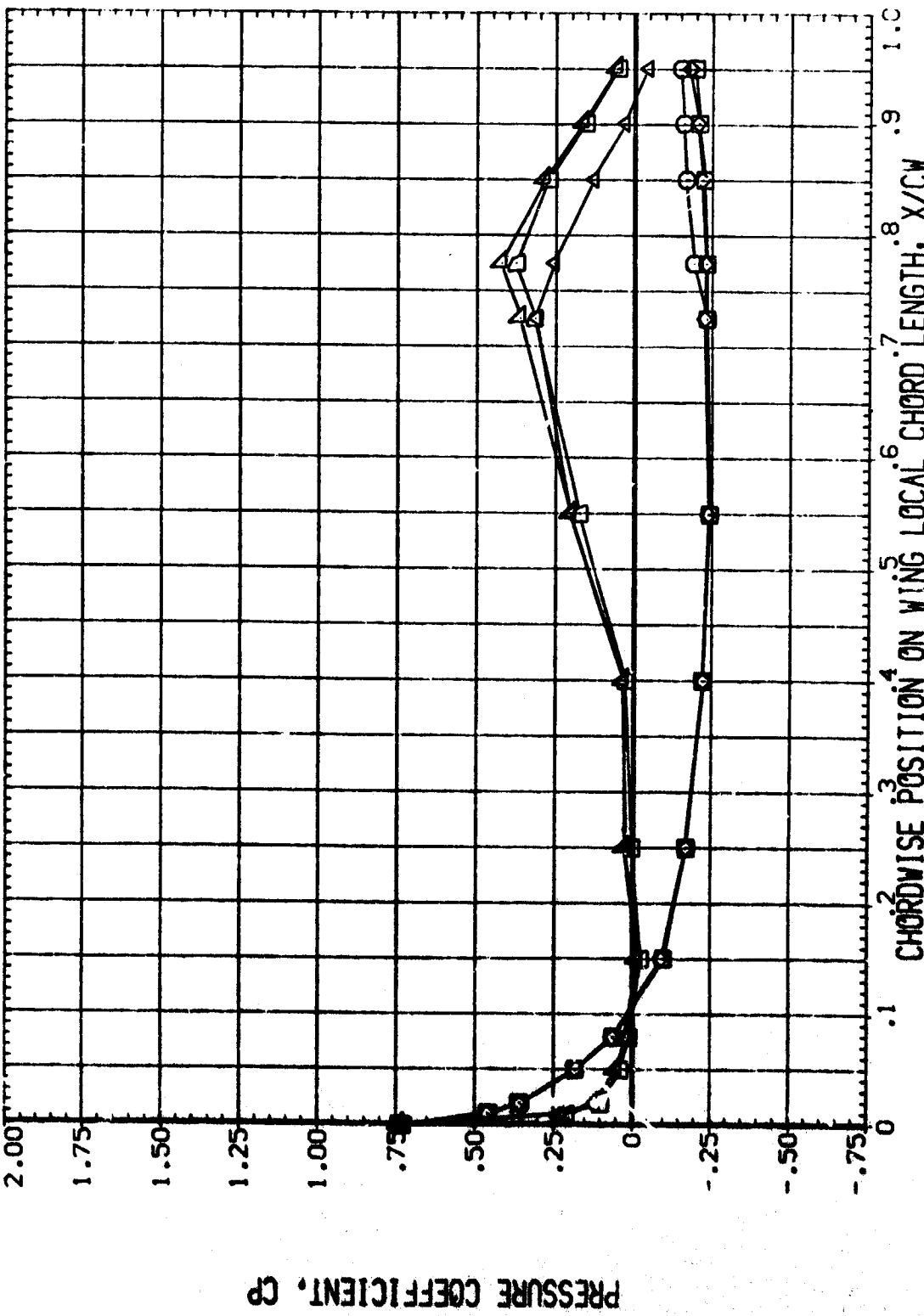


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .534 PAGE 1524

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

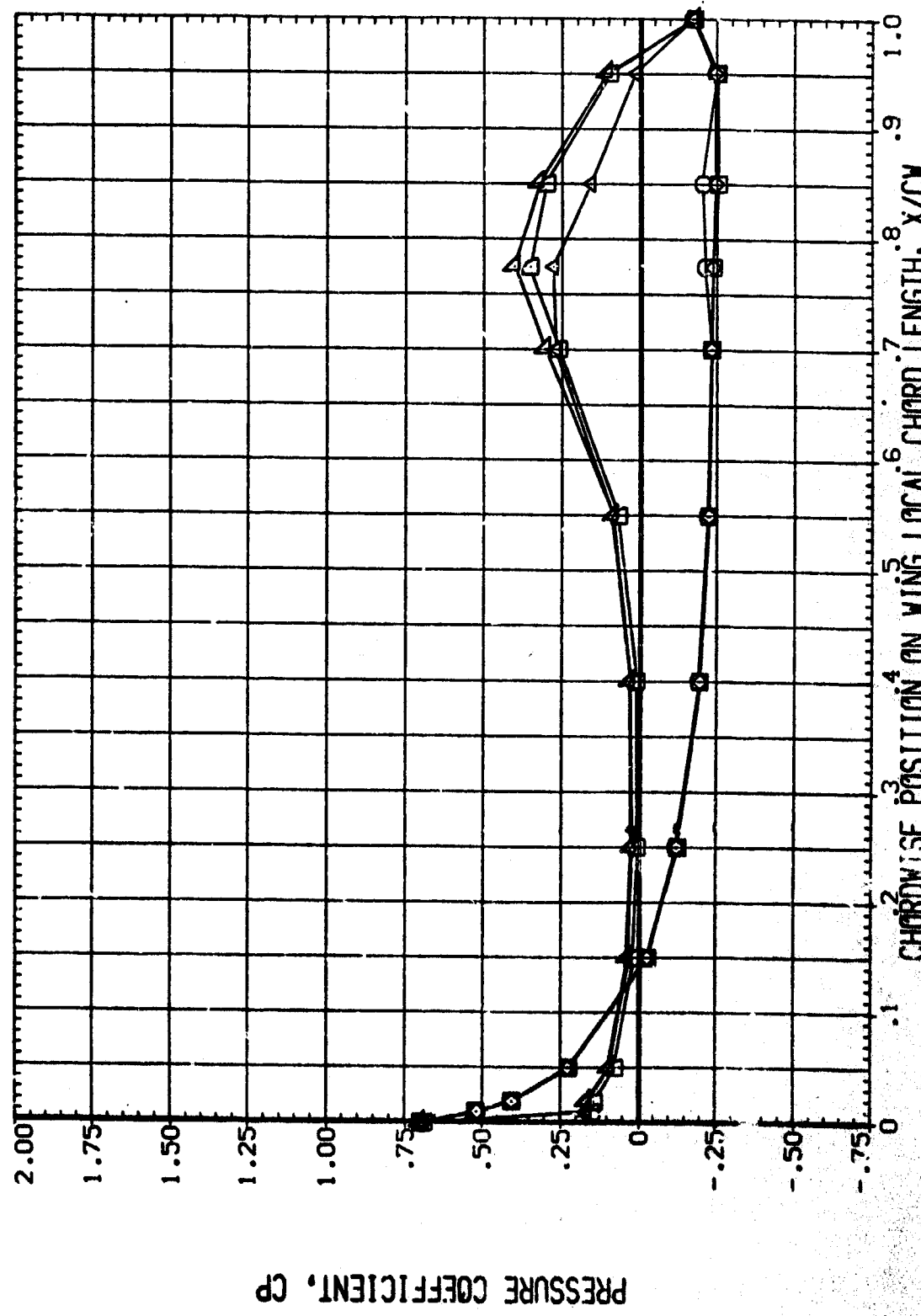


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA = 4.000 $\epsilon_{TAG} = .000$ Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

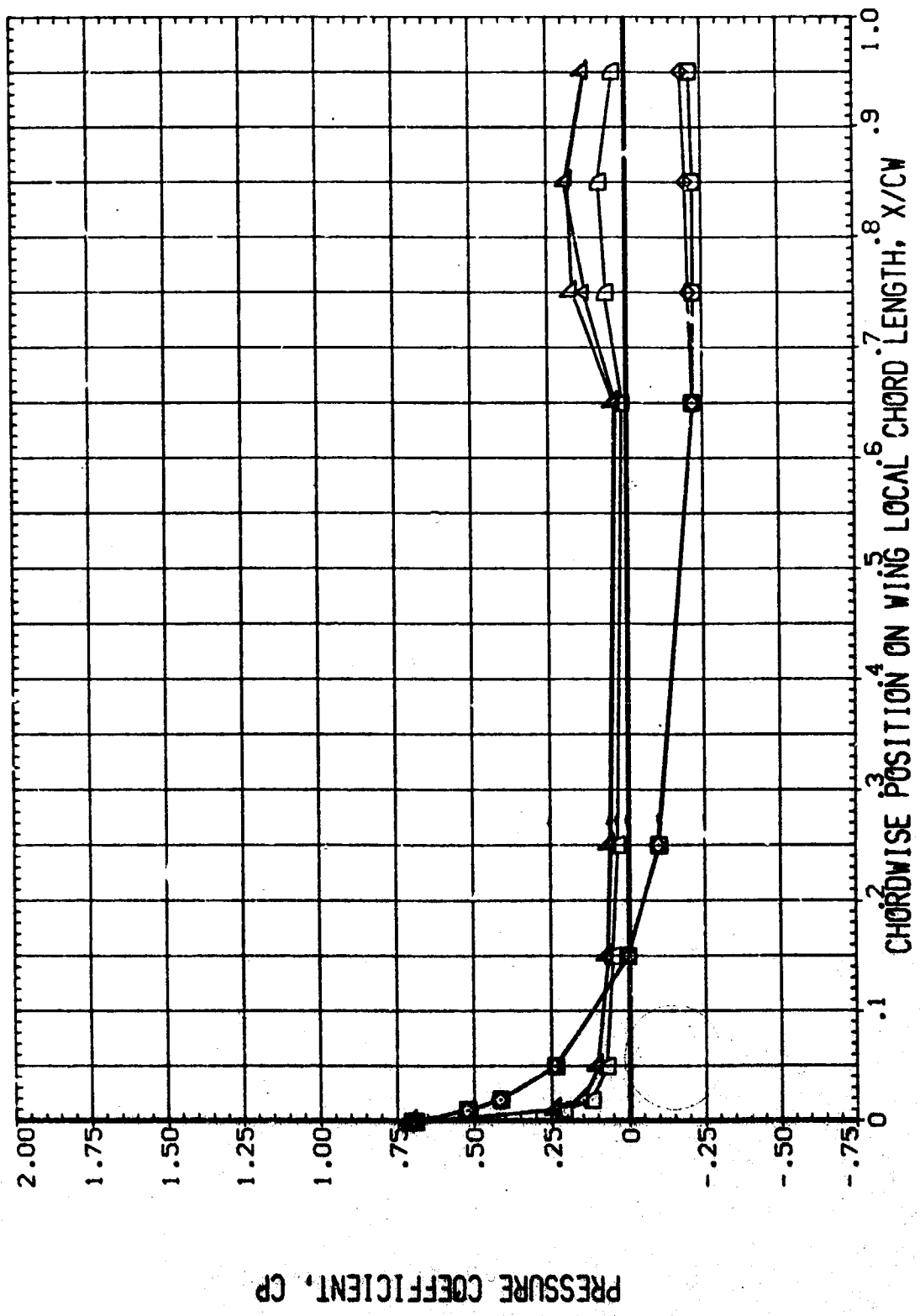


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20
 ALPHA= 4.000 BETA= .000 Y/BW = .780 PAGE 1526

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

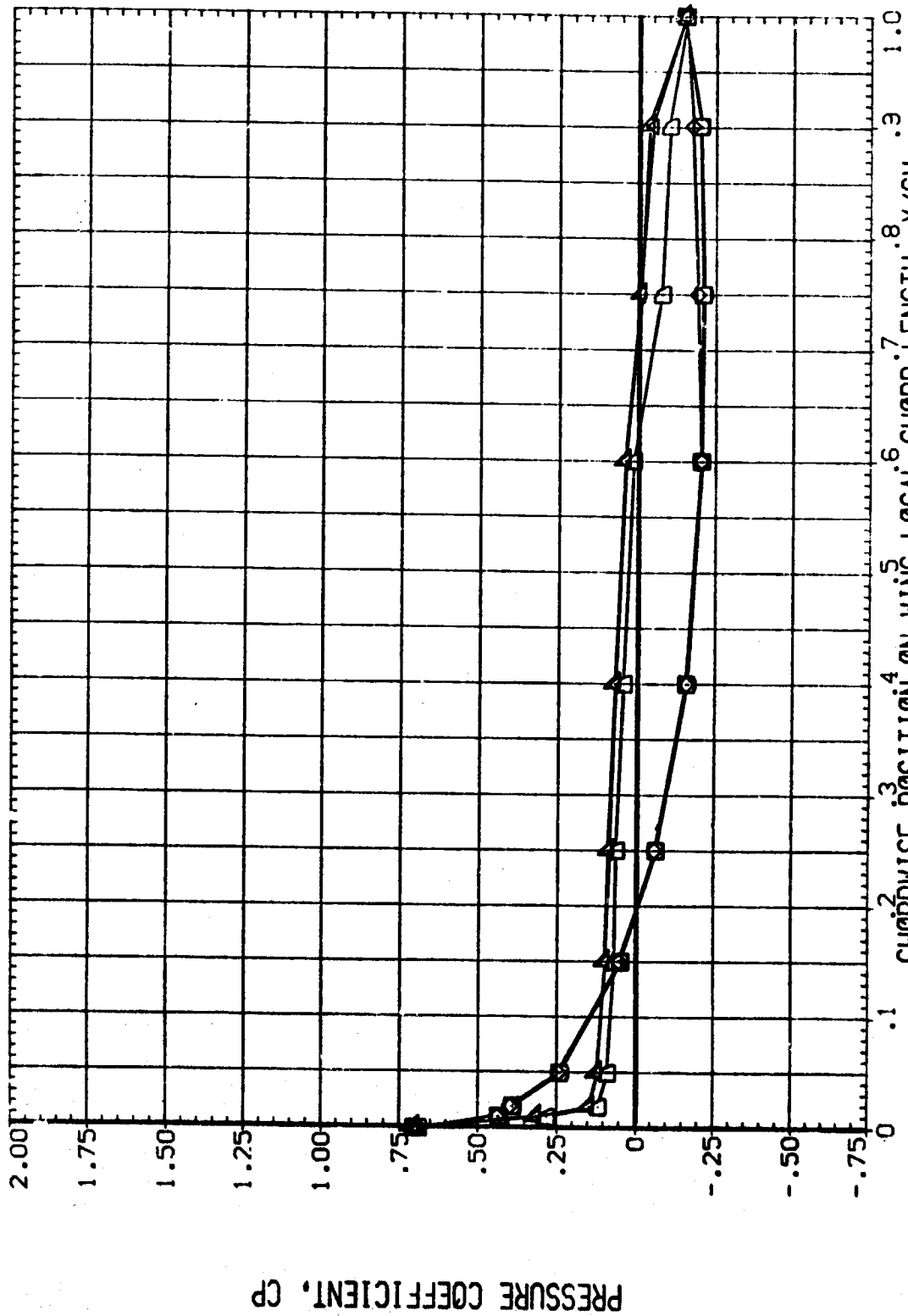
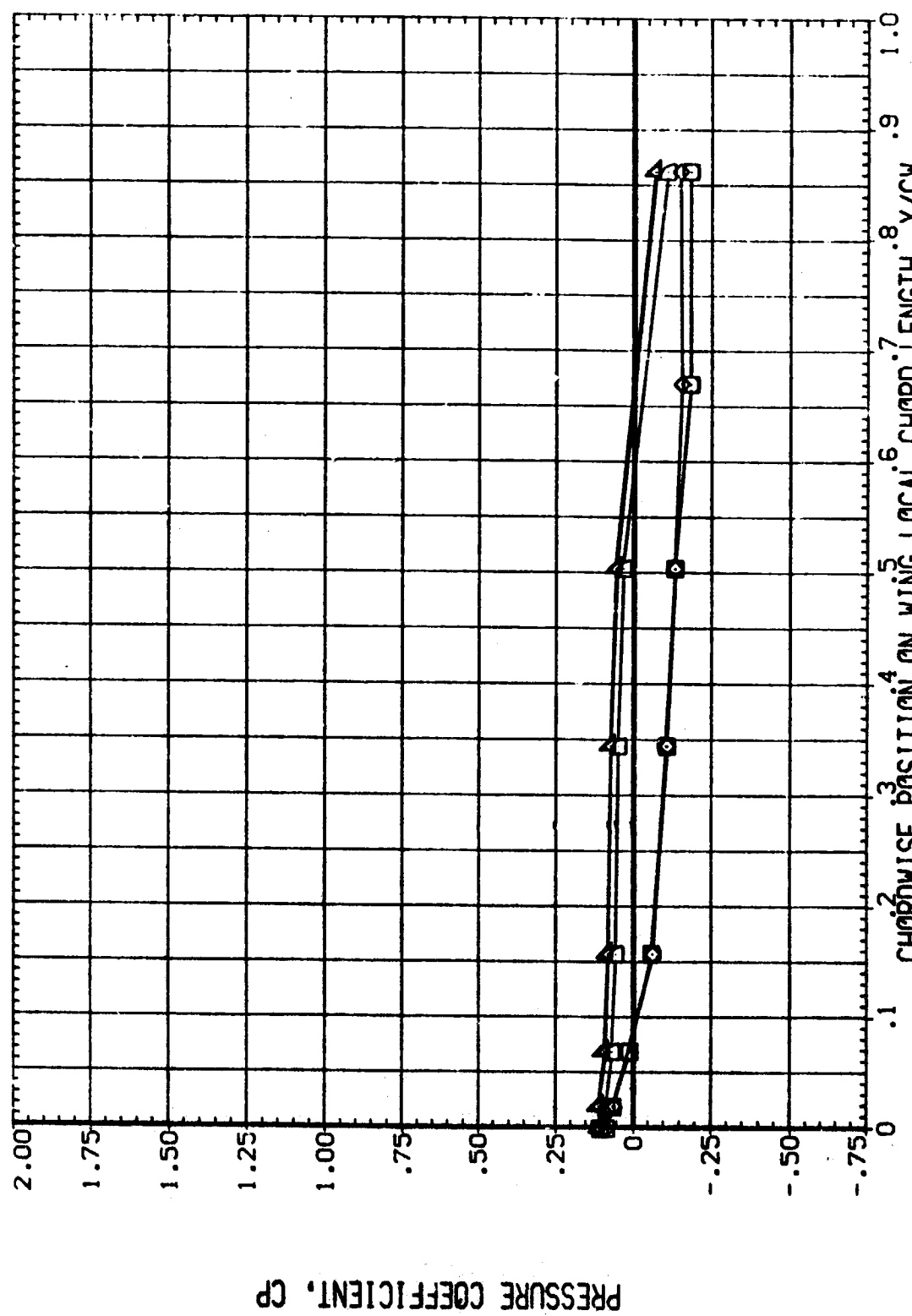


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0. MACH = 2.20
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .887
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.20

ALPHA0 = 4.000 BETA0 = .000 Y/BW = .972 PAGE 1528

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1E1U41)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E1U45)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E1U37)	ARCS7-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1E1L41)	DATA NOT AVAILABLE	2.200	.000	2.500	.000
(1E1L45)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1E1L37)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

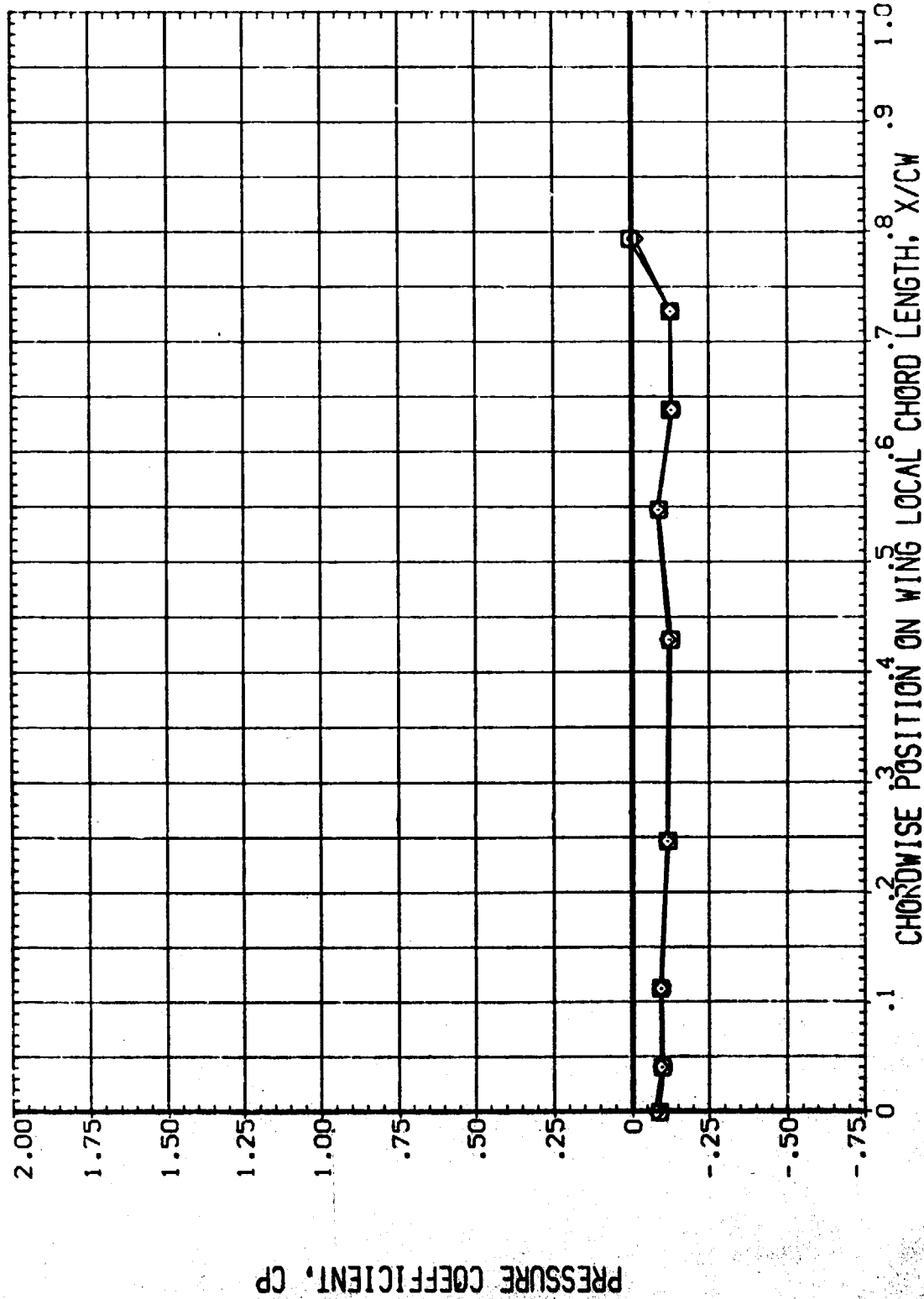


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA = 4.000 BETA = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL47)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000

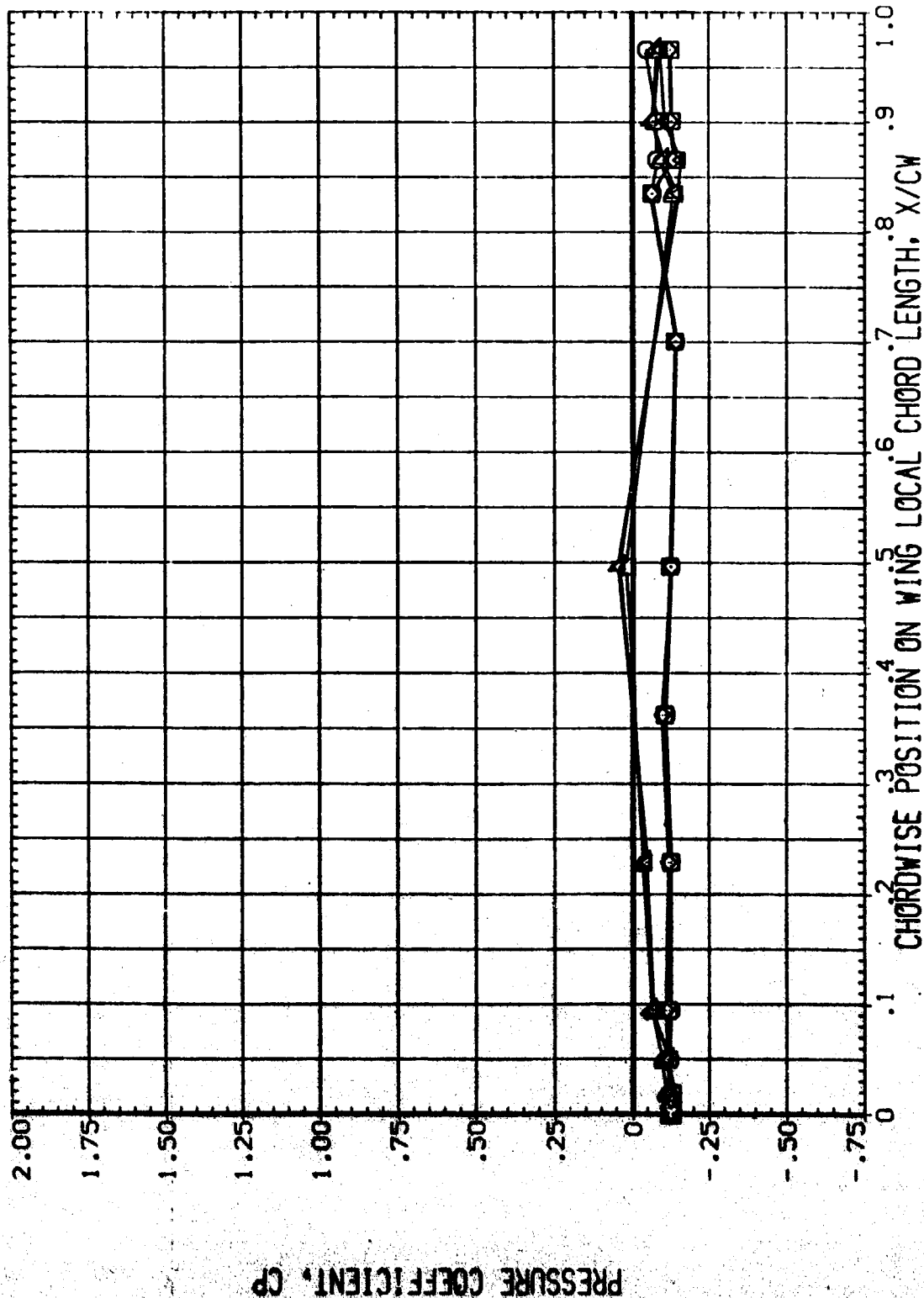


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20

ALPHA= 4.000 BETA= 4.000 Y/BW = .299 PAGE 1530

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

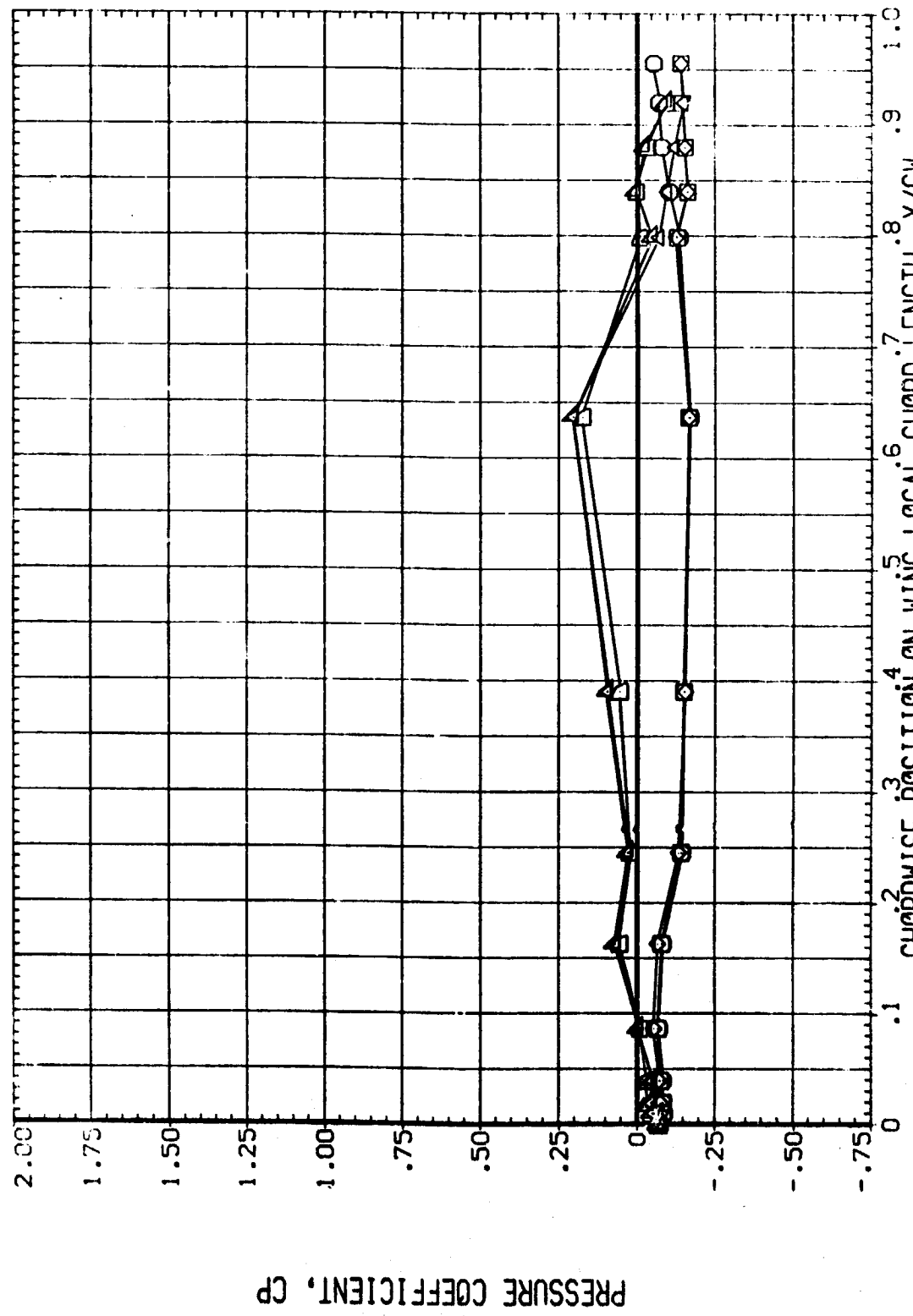
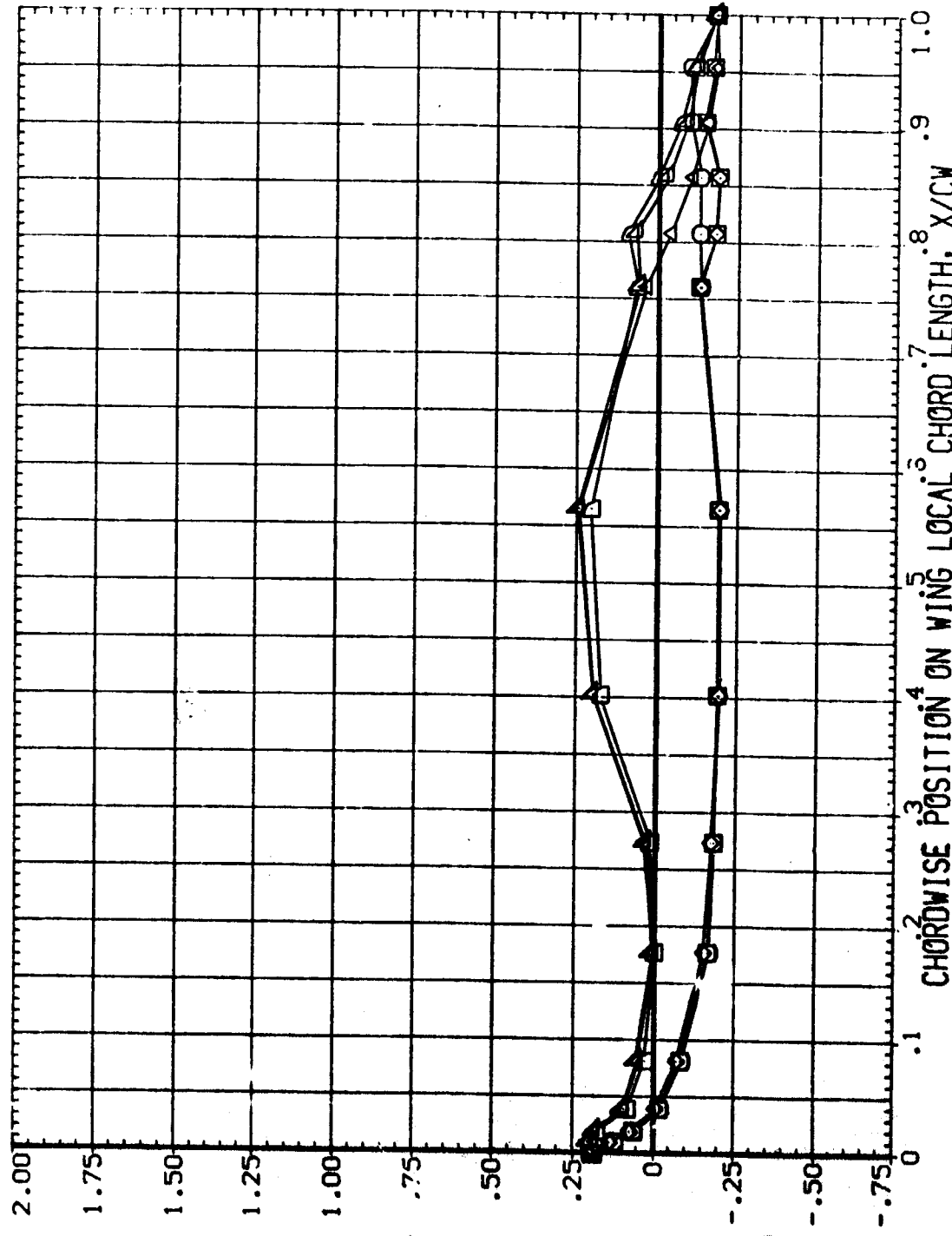


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW .364 PAGE :531

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .427 PAGE 1532

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(1ETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

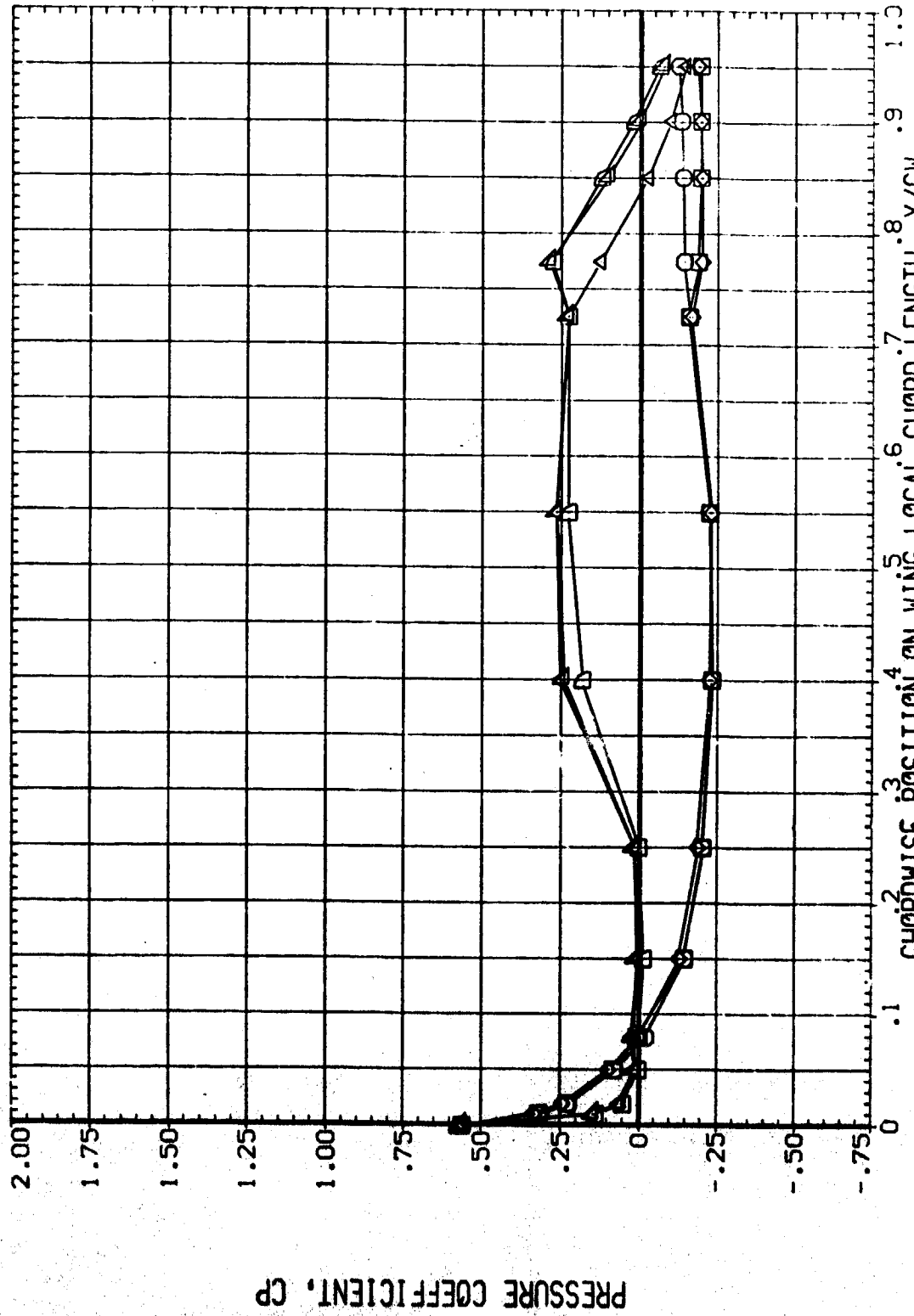


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALL)H SEALED)	LEFT WING BOT.	2.200	8.000	2.500	-4.000

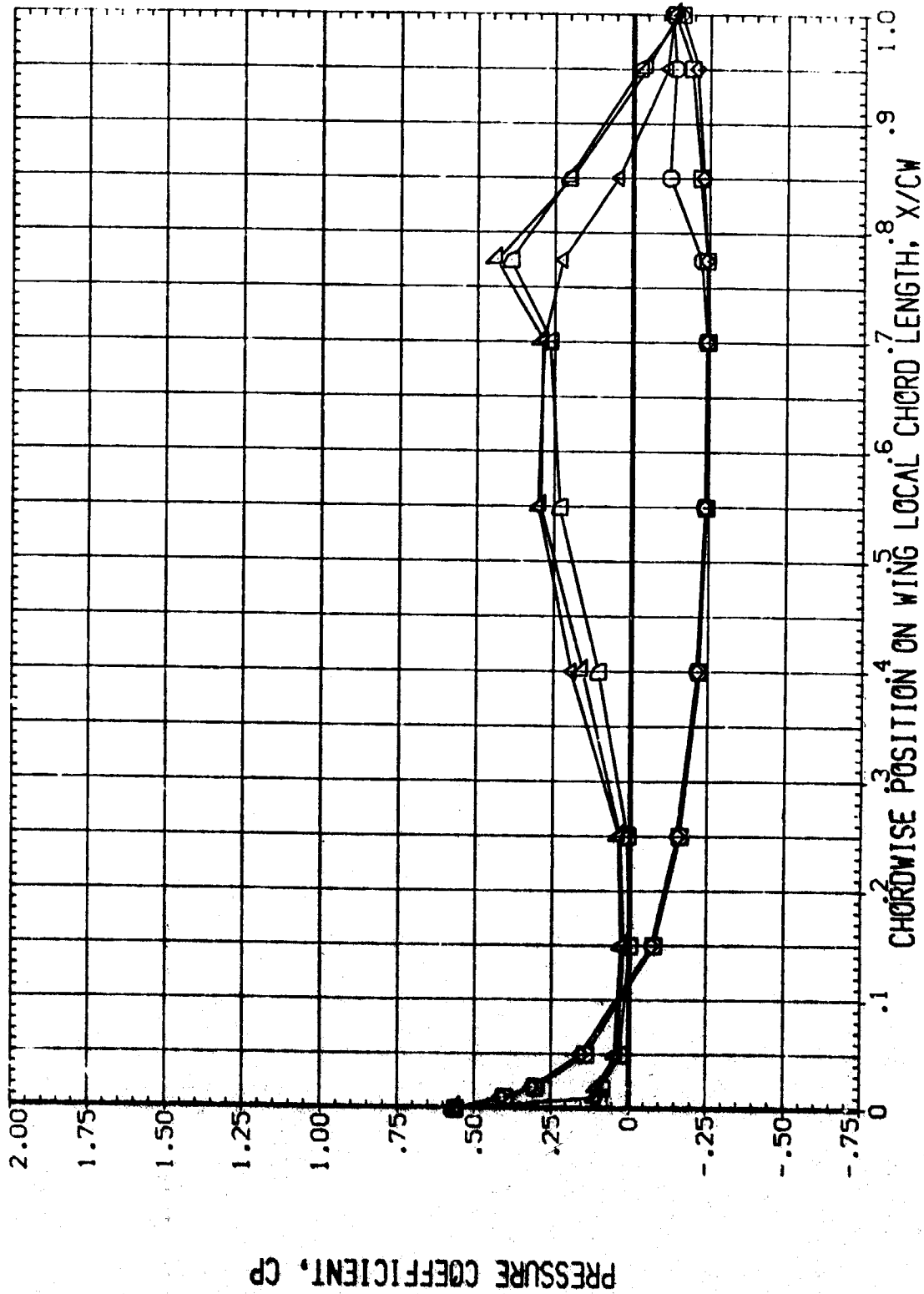


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

ALPHA = 4.000 BETA = 4.000 Y/BW = .673 PAGE 1534

DA \ SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1) (U41)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1) (U45)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1) (U37)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	-4.000
(1) (L41)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1) (L45)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1) (TL37)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

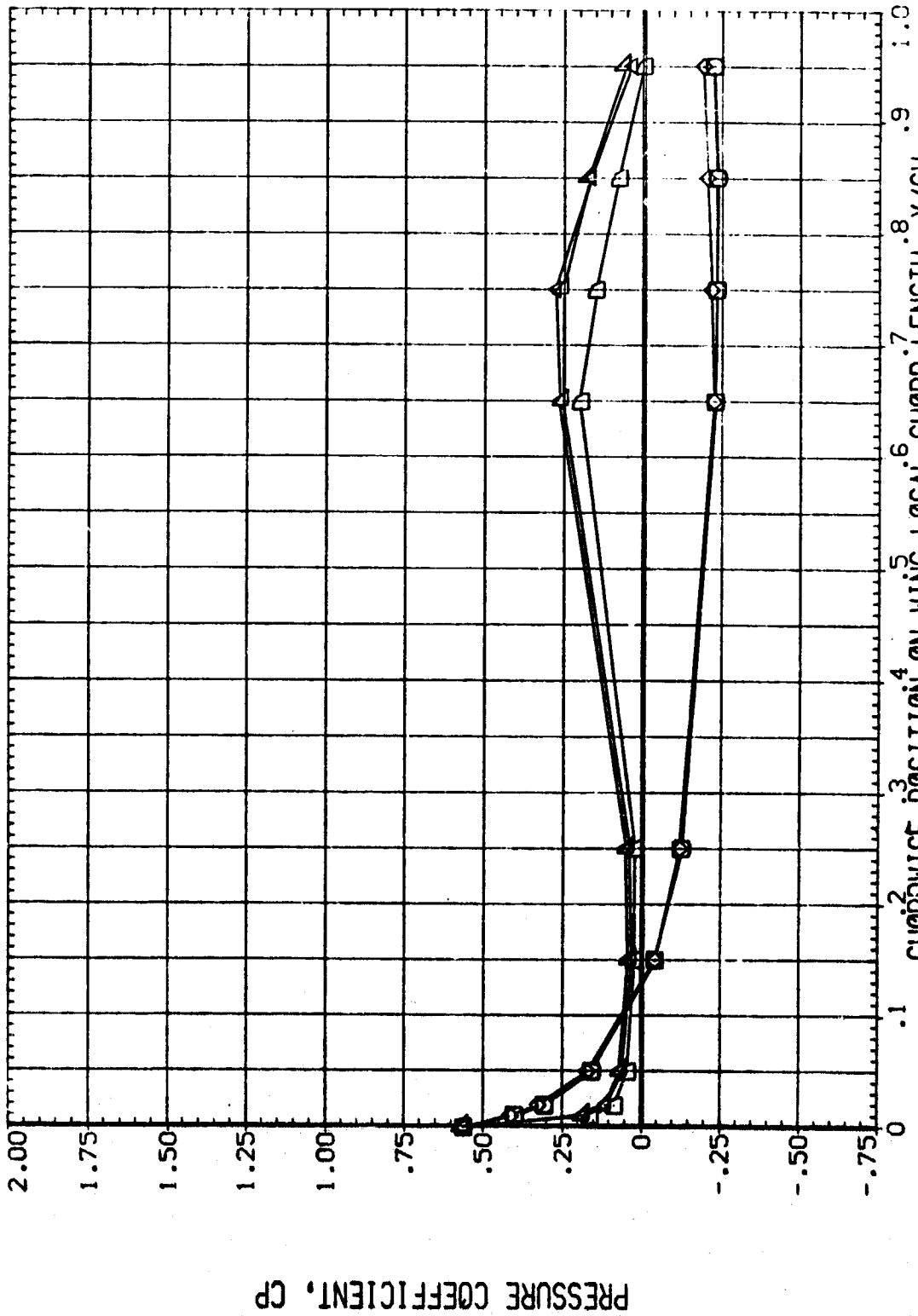


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

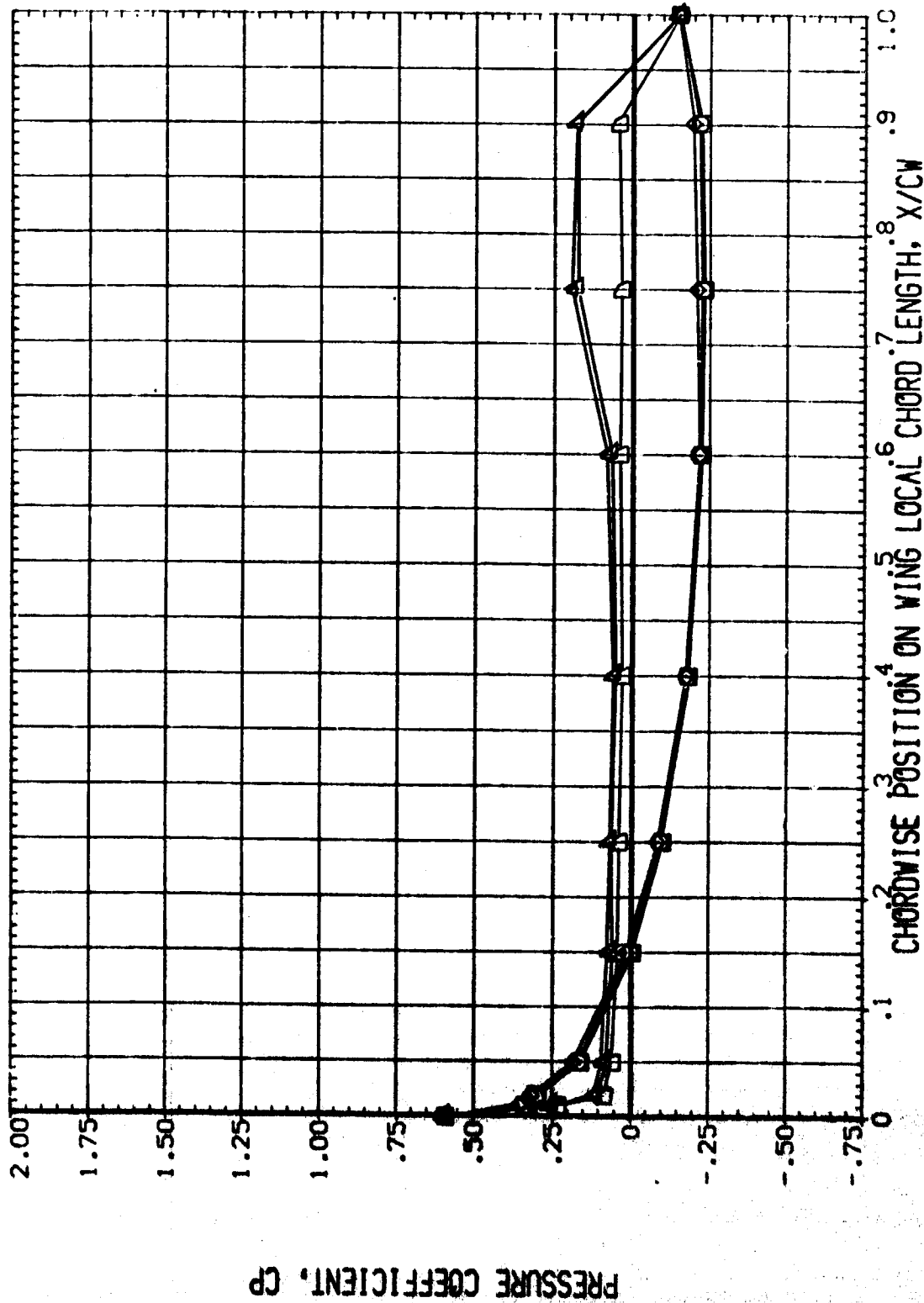


FIG. 67 WING CHORDWISE PRESS. DIST. CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = 4.000 BETA = 4.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1E1041)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1E1043)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1E1037)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	9.000	2.500	-4.000
(1E1L41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1E1L45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1E1L37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

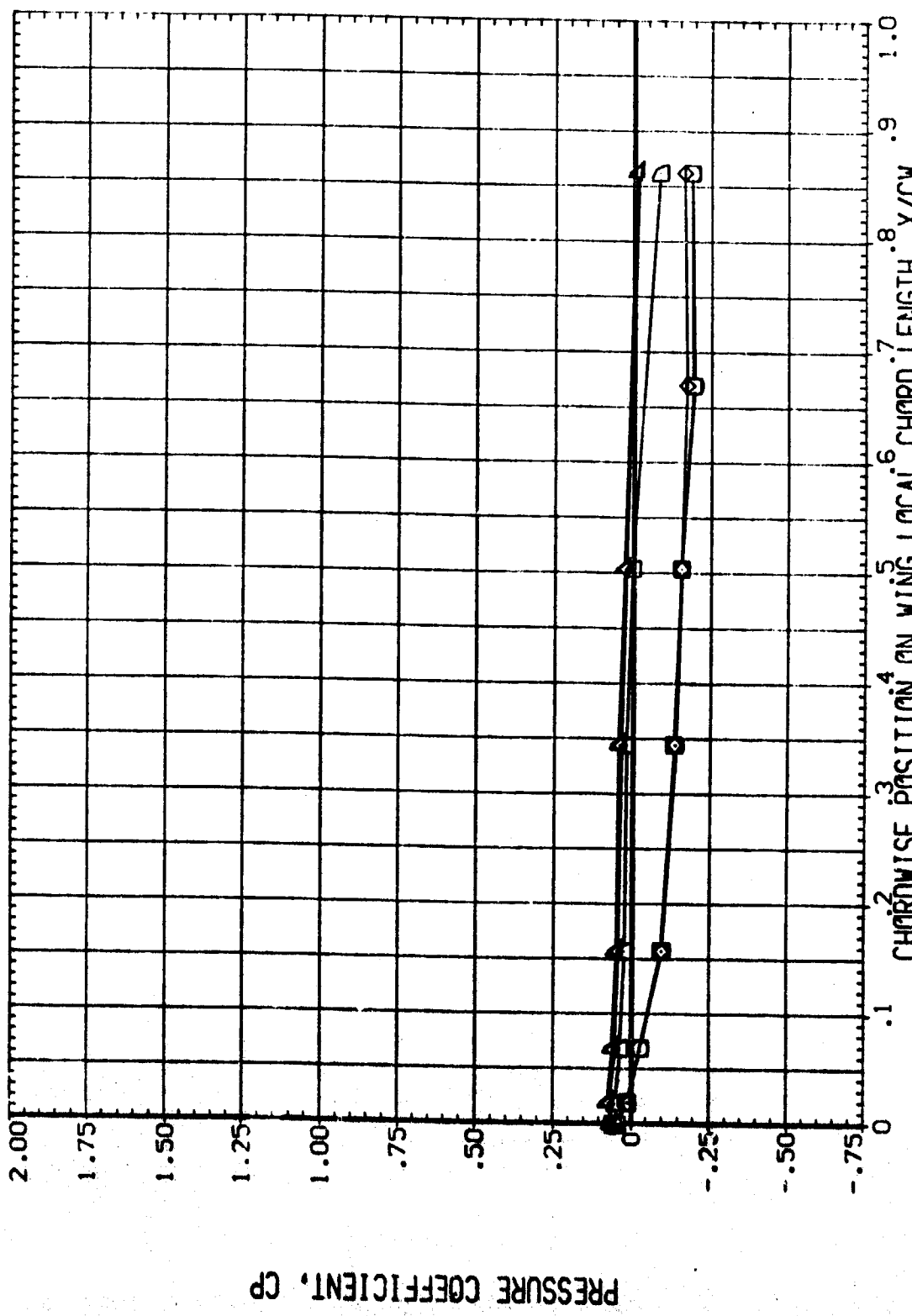


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA = 4.000 BETA = 4.000 Y/BW = .972 PAGE 1537

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU41)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(1ETU42)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.200	8.000	2.500	-4.000
(1ETL41)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1ETL42)	DATA NOT AVAILABLE	2.200	8.000	2.500	.000
(1ETL43)	DATA NOT AVAILABLE	2.200	8.000	2.500	-4.000

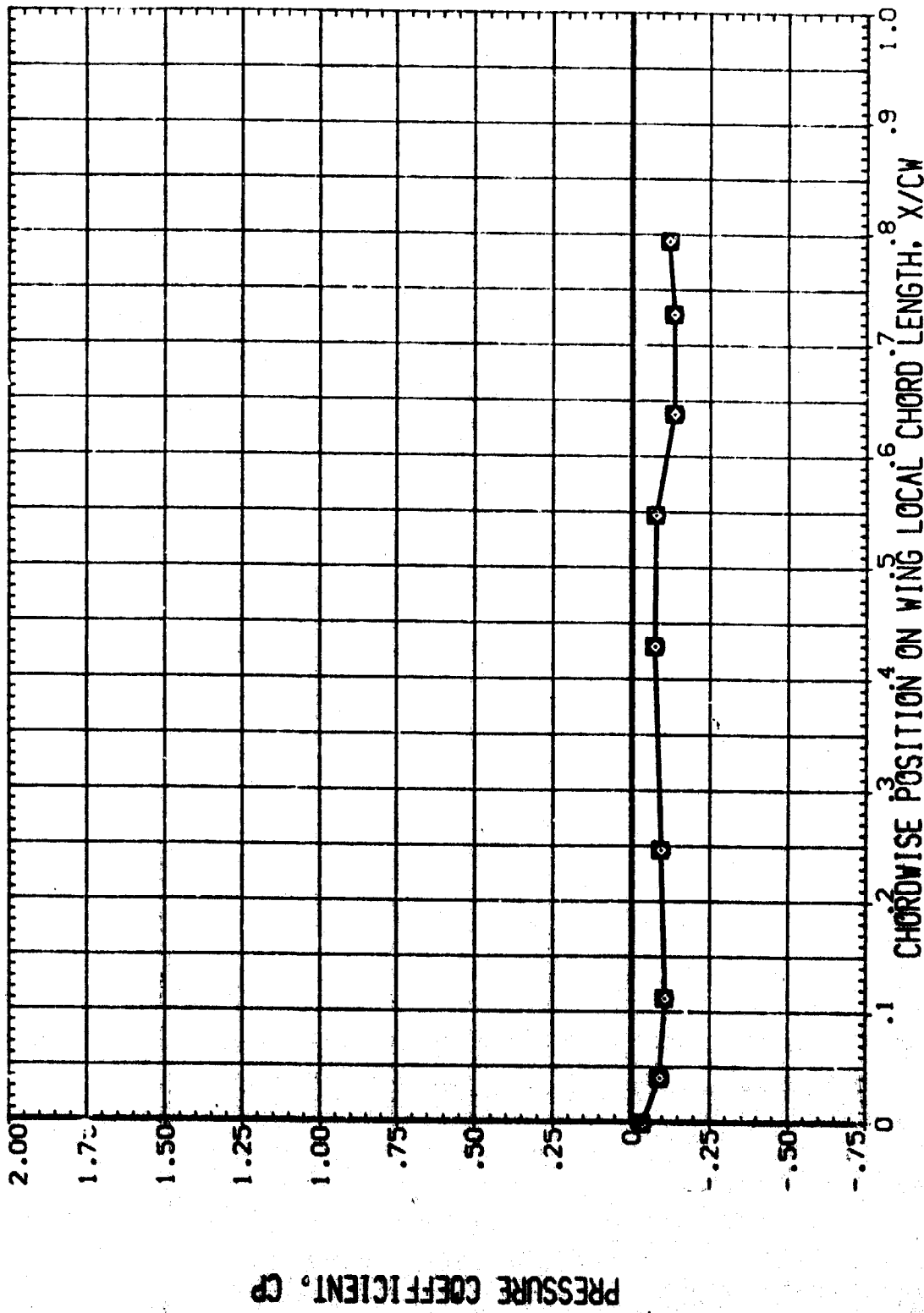
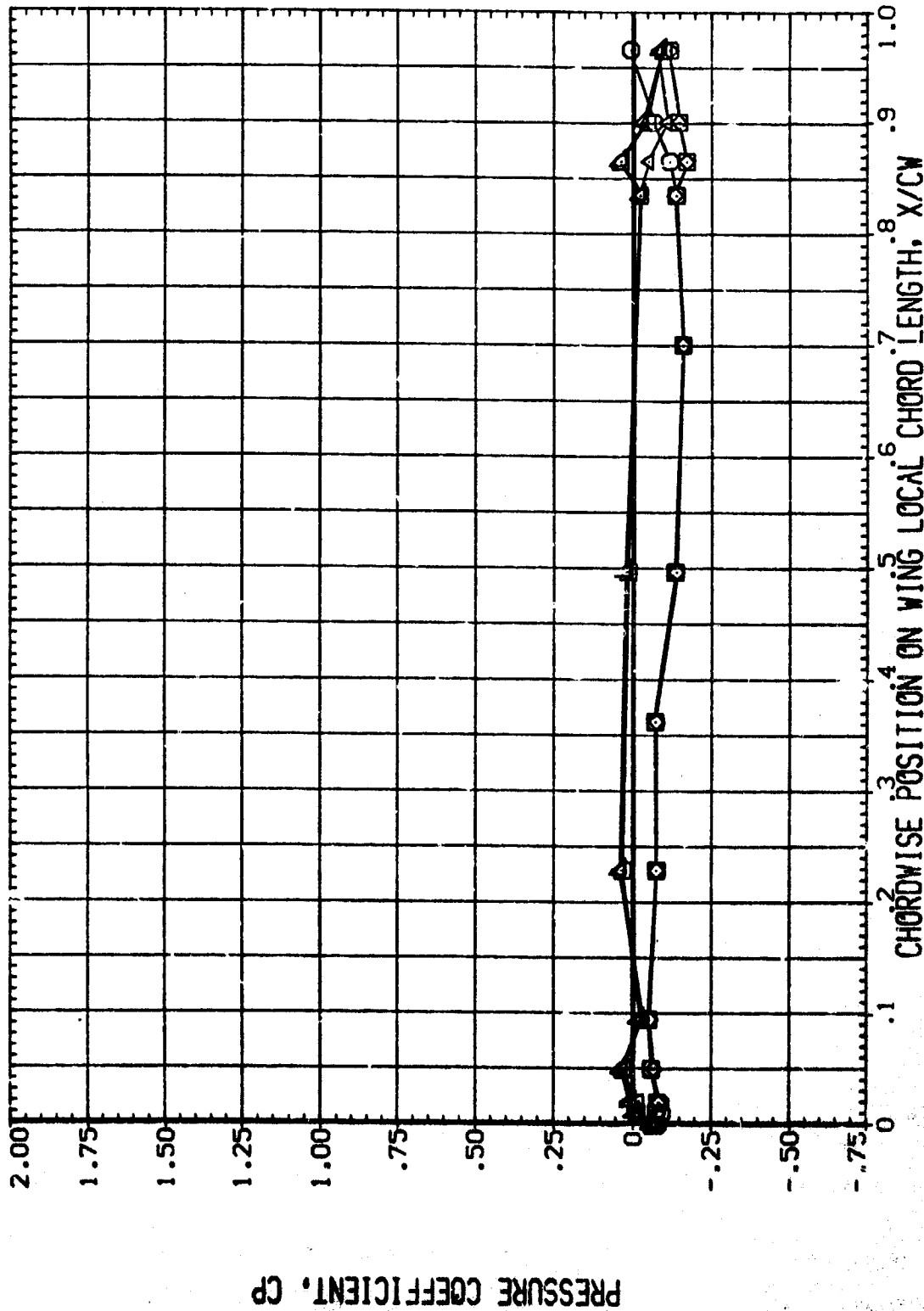


FIG. 67 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPD BRK = 0. MACH = 2.20
 ALPHA = 6.000 BETA = .000 Y/BW = .235
 PAGE 1538

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU41)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU45)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU37)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETL41)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL45)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL37)	ARC57-019 IAB1 LVAP(CALLML SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000



F1.67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.20

ALPHA = 6.000 BETA = .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU41)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.200	8.000	2.500	-4.000

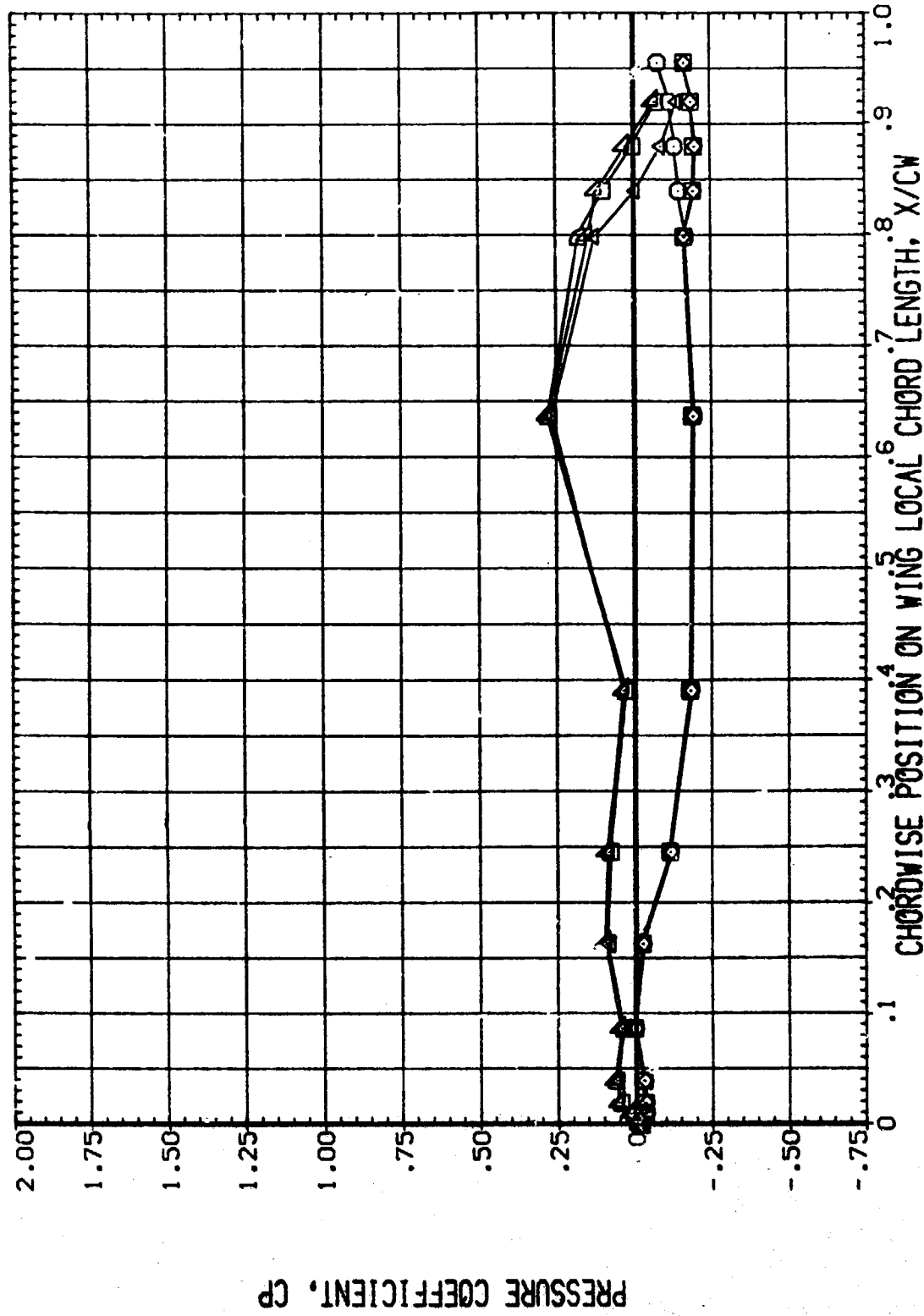


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDRBK = 0. MACH = 2.20
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .364 PAGE 1540

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

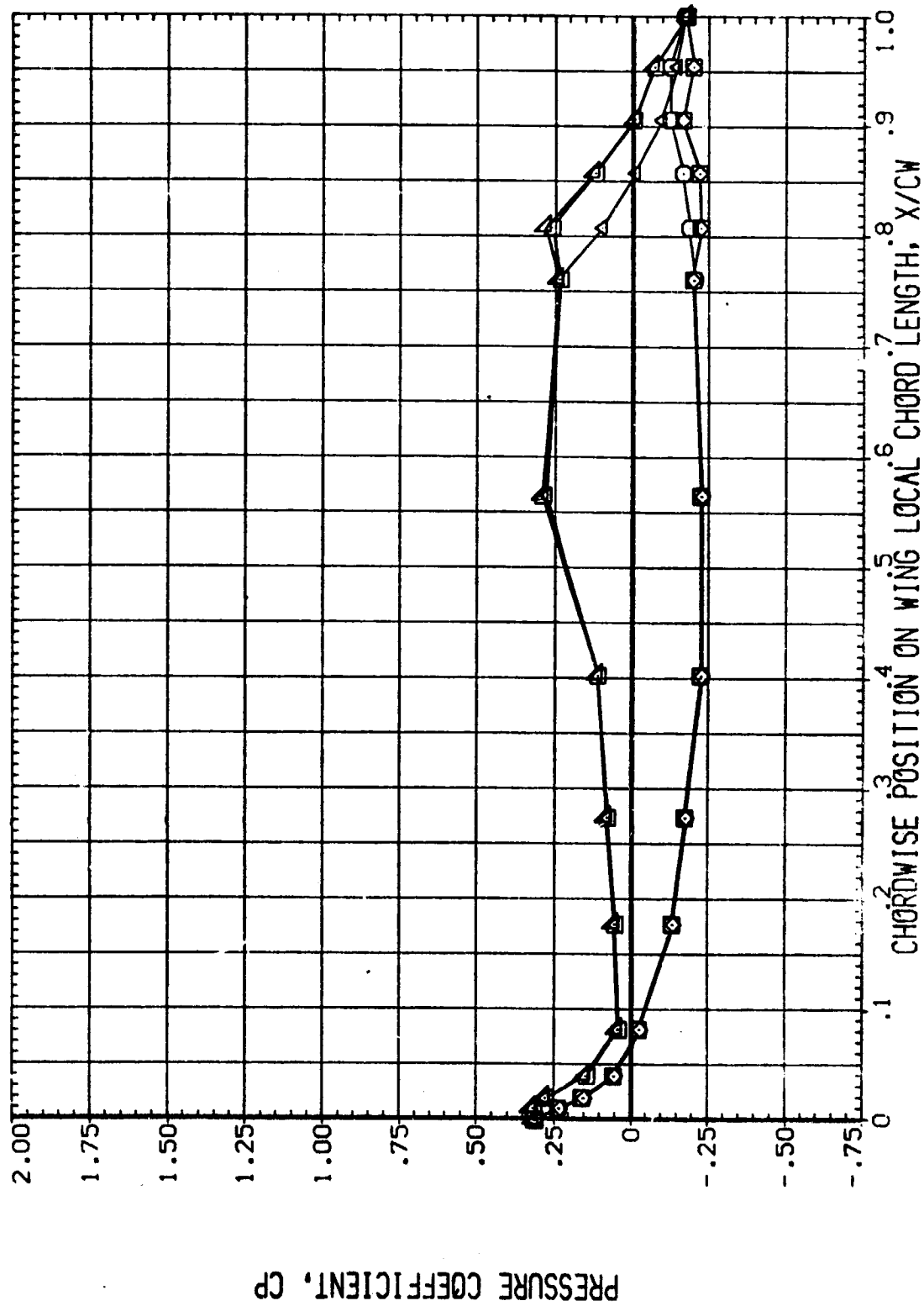


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(JETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(JETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(JETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(JETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

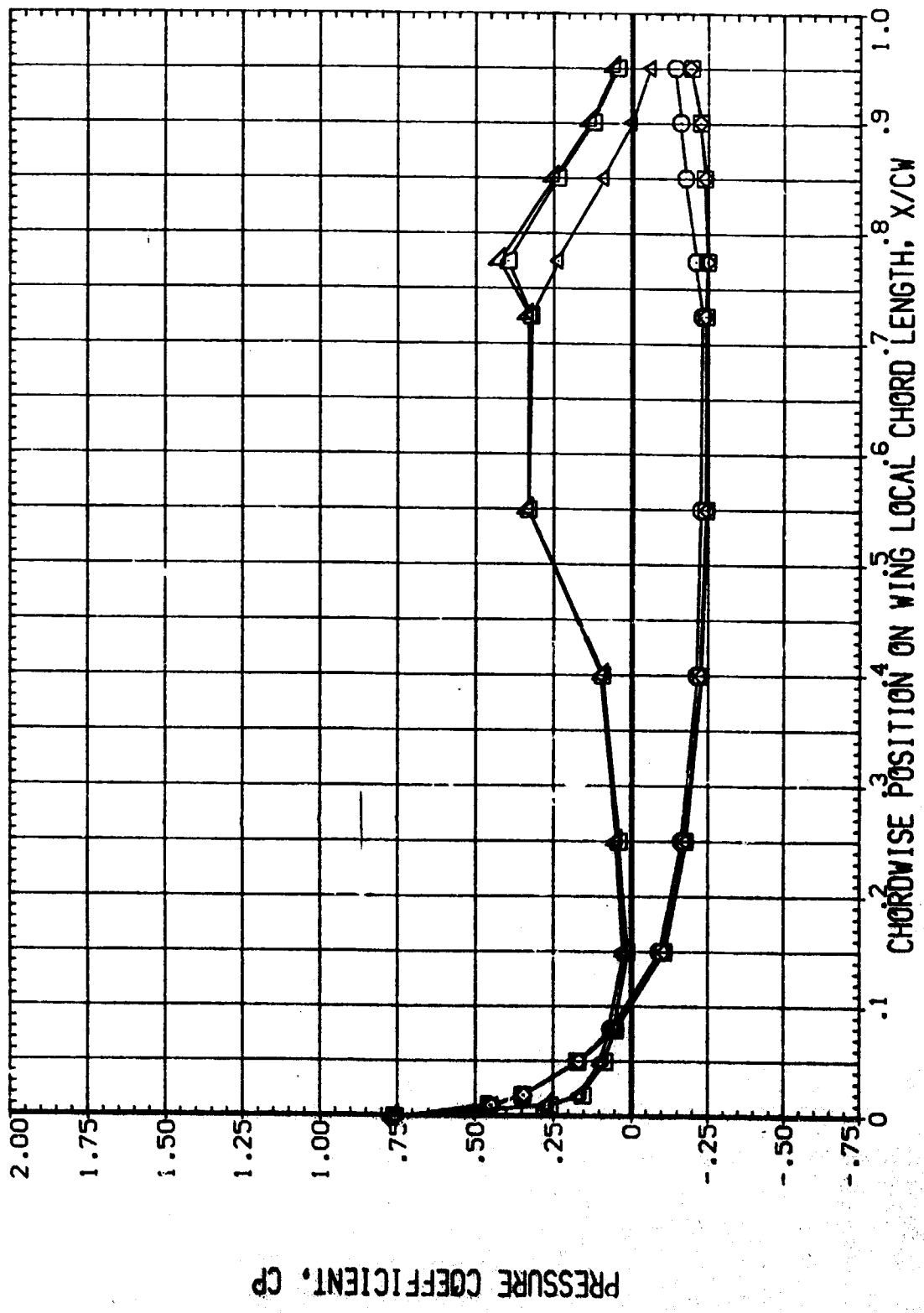


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.20
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-02
(1ETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1ETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1ETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	-4.000
(1ETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	.000
(1ETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	.000	2.500	.000
(1ETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.200	8.000	2.500	-4.000

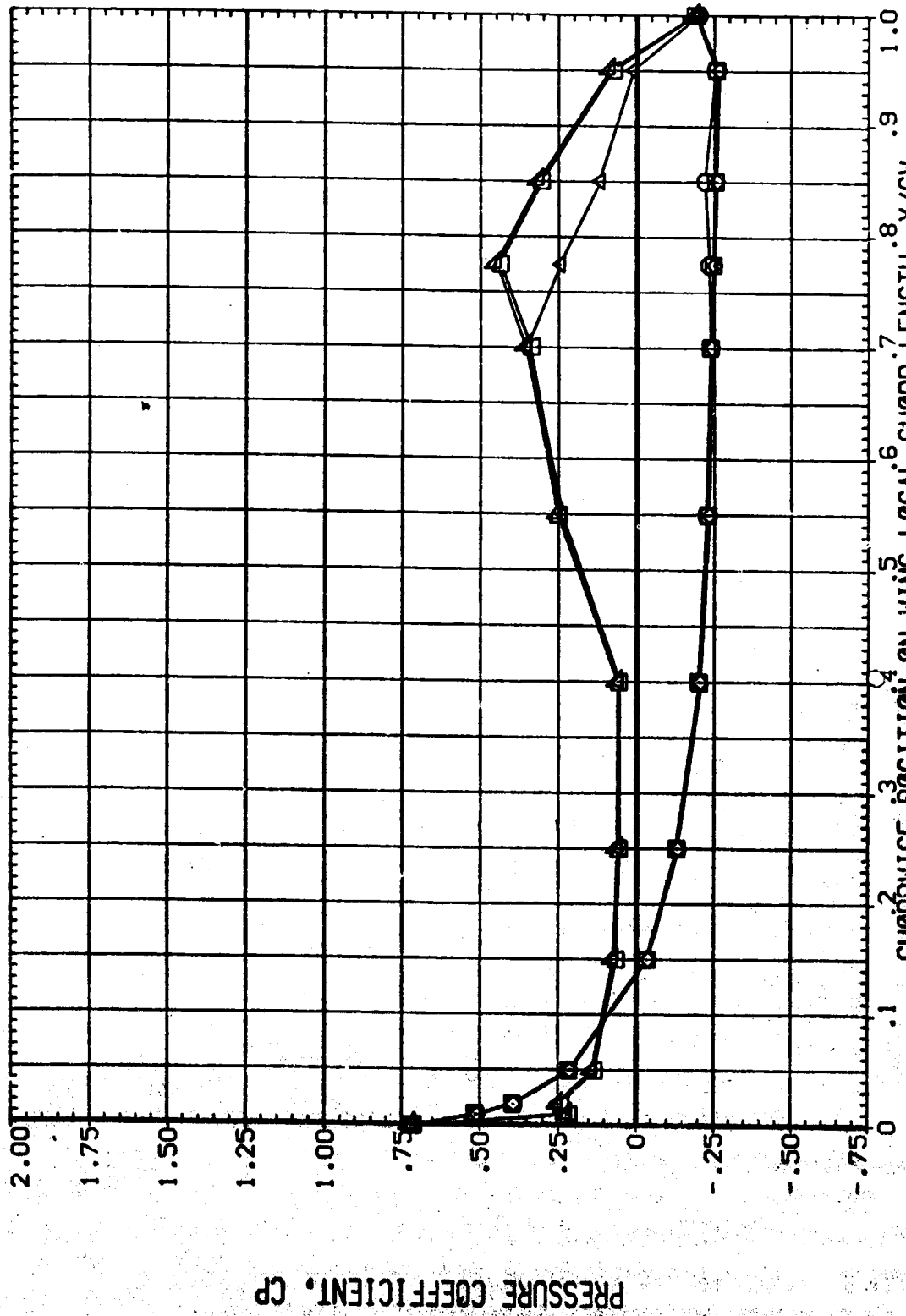


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .673 PAGE 1543

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-DB
(1ETU1)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(1ETU4)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(1ETU7)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	-4.000
(1ETU4)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(1ETL1)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(1ETL2)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(1ETL3)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

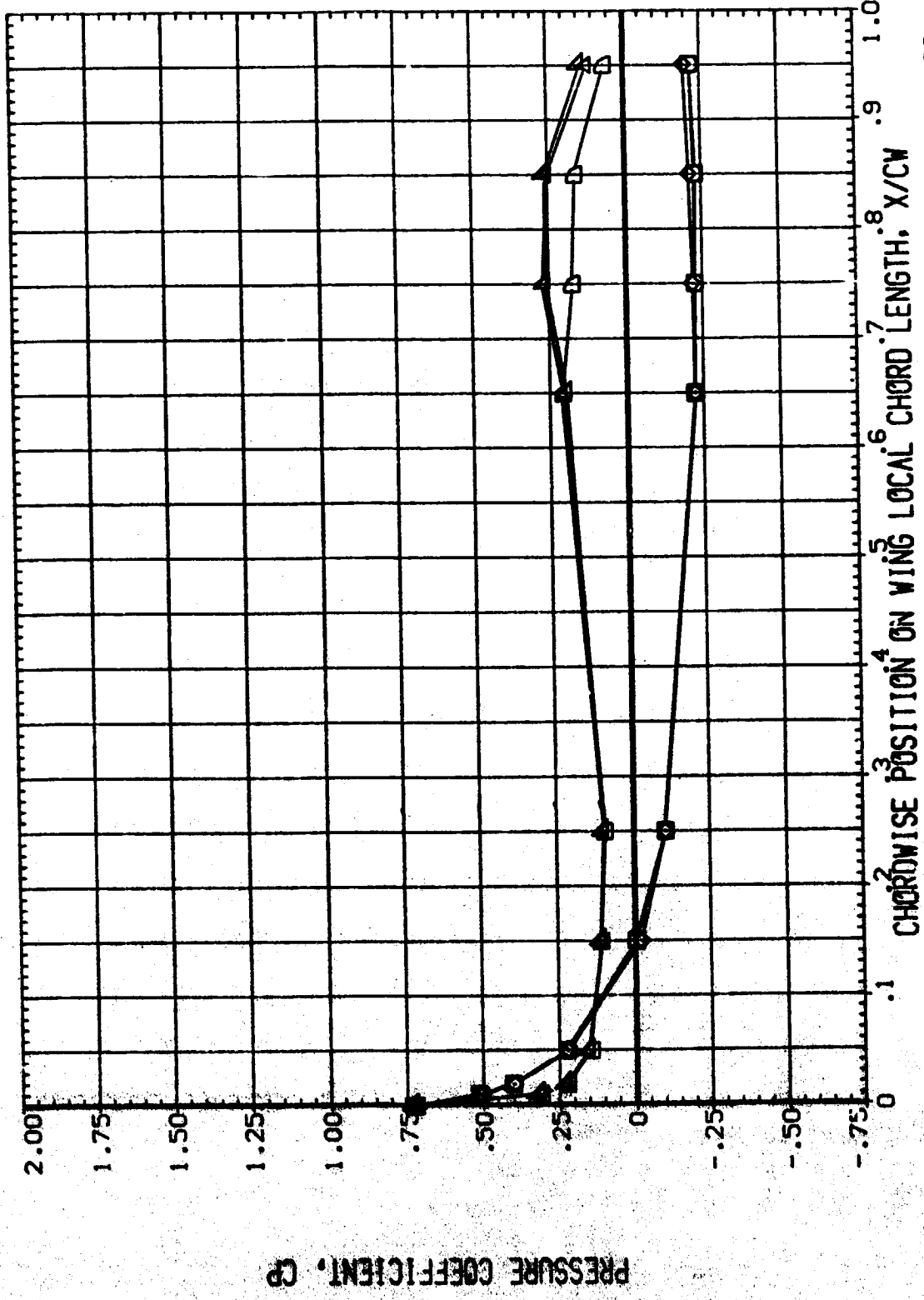


FIG. 67 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.20
 ALPHA = 6.000 BETA = .000 Y/BW = .780 PAGE 1544

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETU41)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL41)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL45)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL37)	ARC97-019 A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

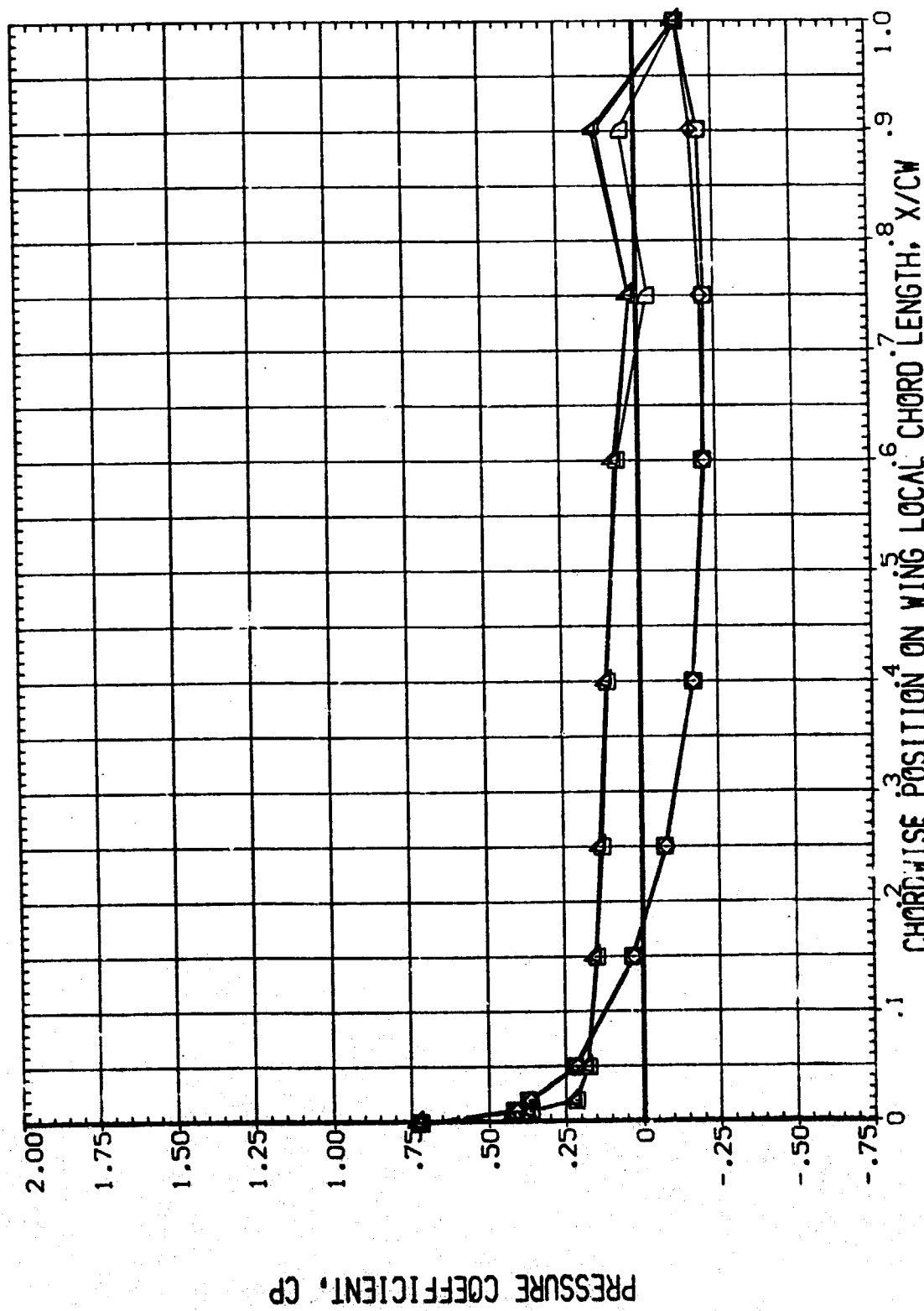


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	.000	2.500	.000
(IETU45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.200	8.000	2.500	.000
(IETU37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000
(IETL41)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	.000	2.500	.000
(IETL45)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	.000
(IETL37)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.200	8.000	2.500	-4.000

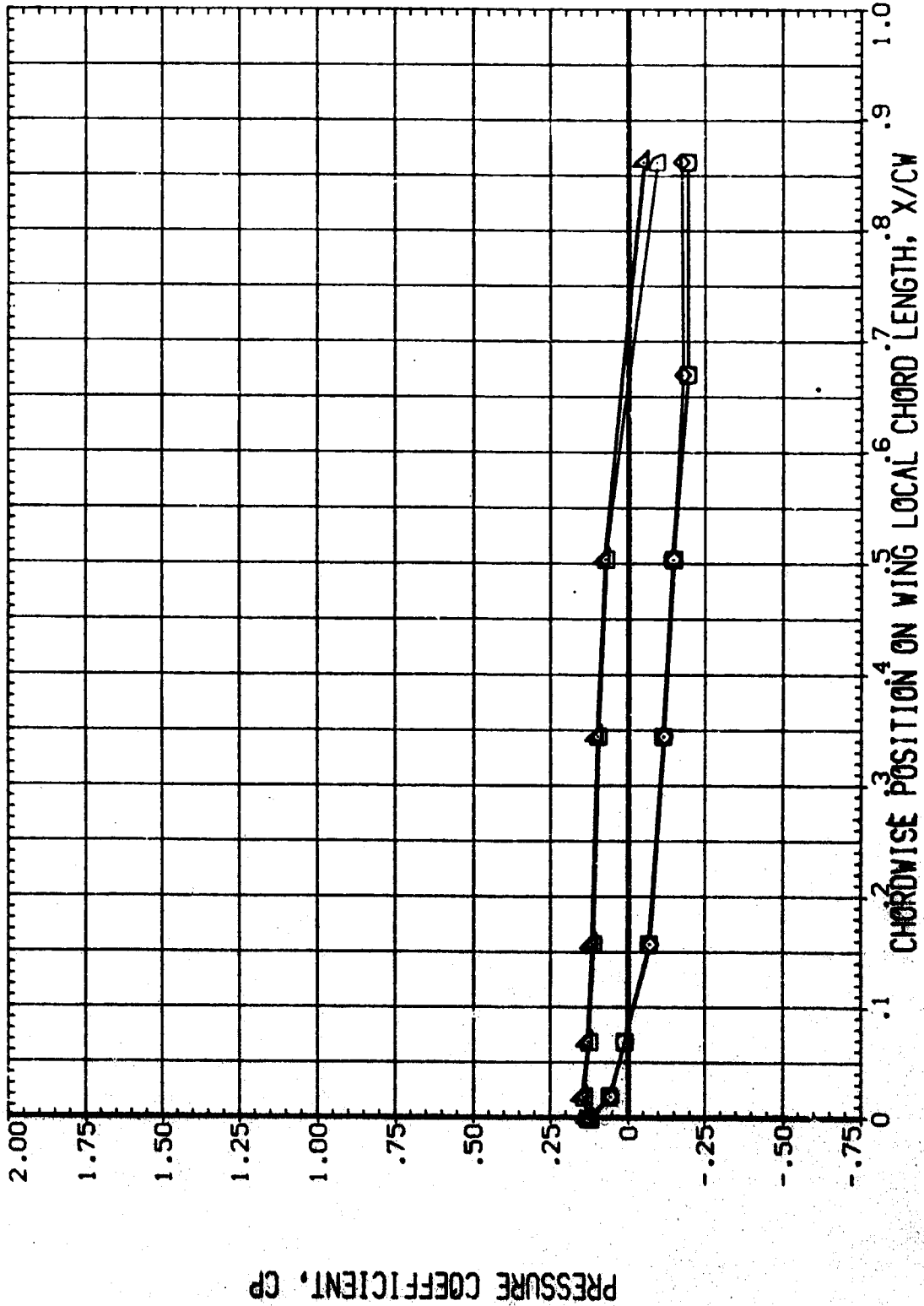


FIG. 67 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.20
 ALPHA = 6.000 BETA = .000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELY-18 RN/FT ELY-08

(1ETU42) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(1ETU38) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000

(1ETL42) DATA NOT AVAILABLE 2.500 .000 2.500 .000

(1ETL38) DATA NOT AVAILABLE 2.500 8.000 2.500 -4.000

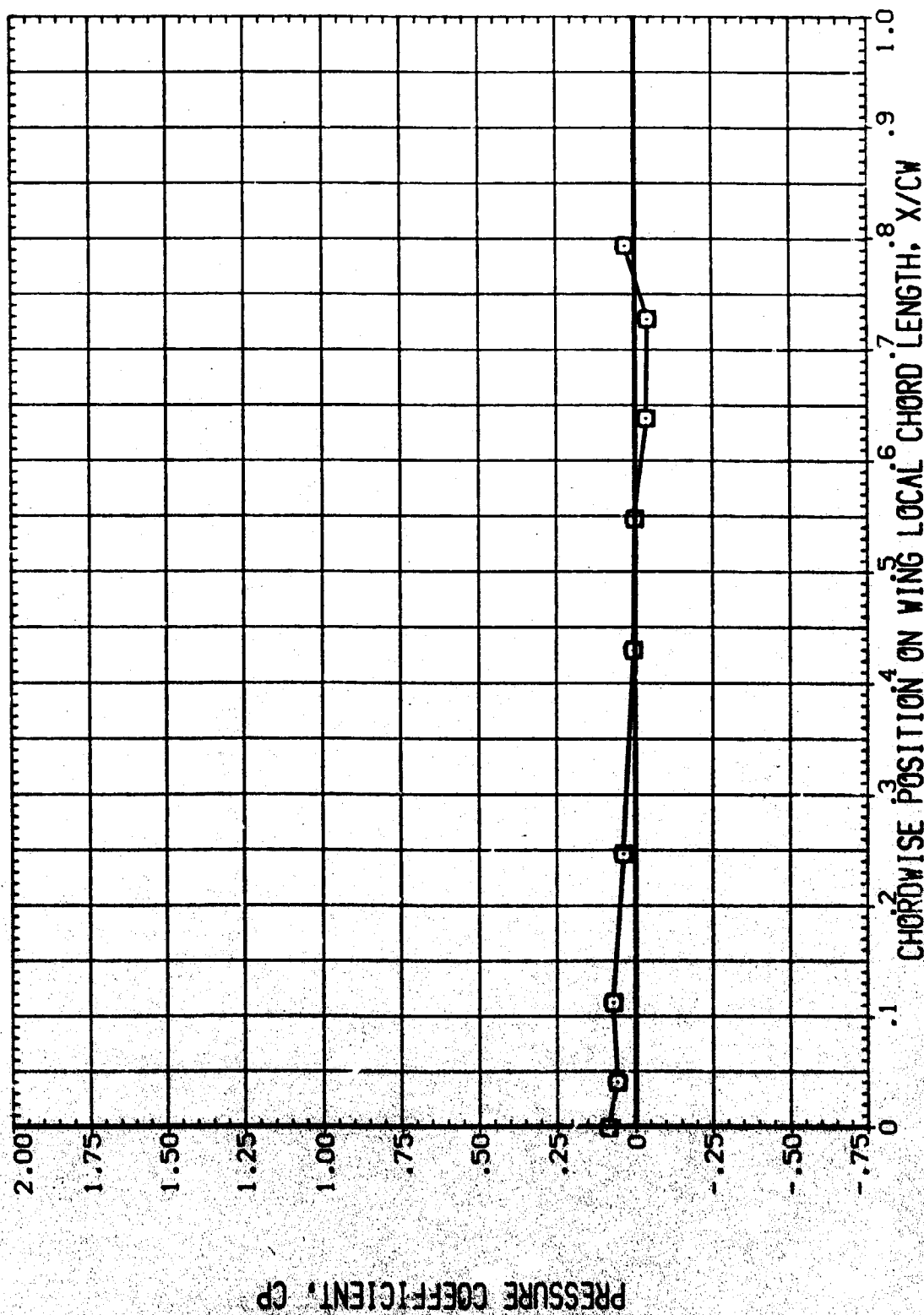


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IEH42)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IEH43)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000
(IEH44)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IEH45)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000

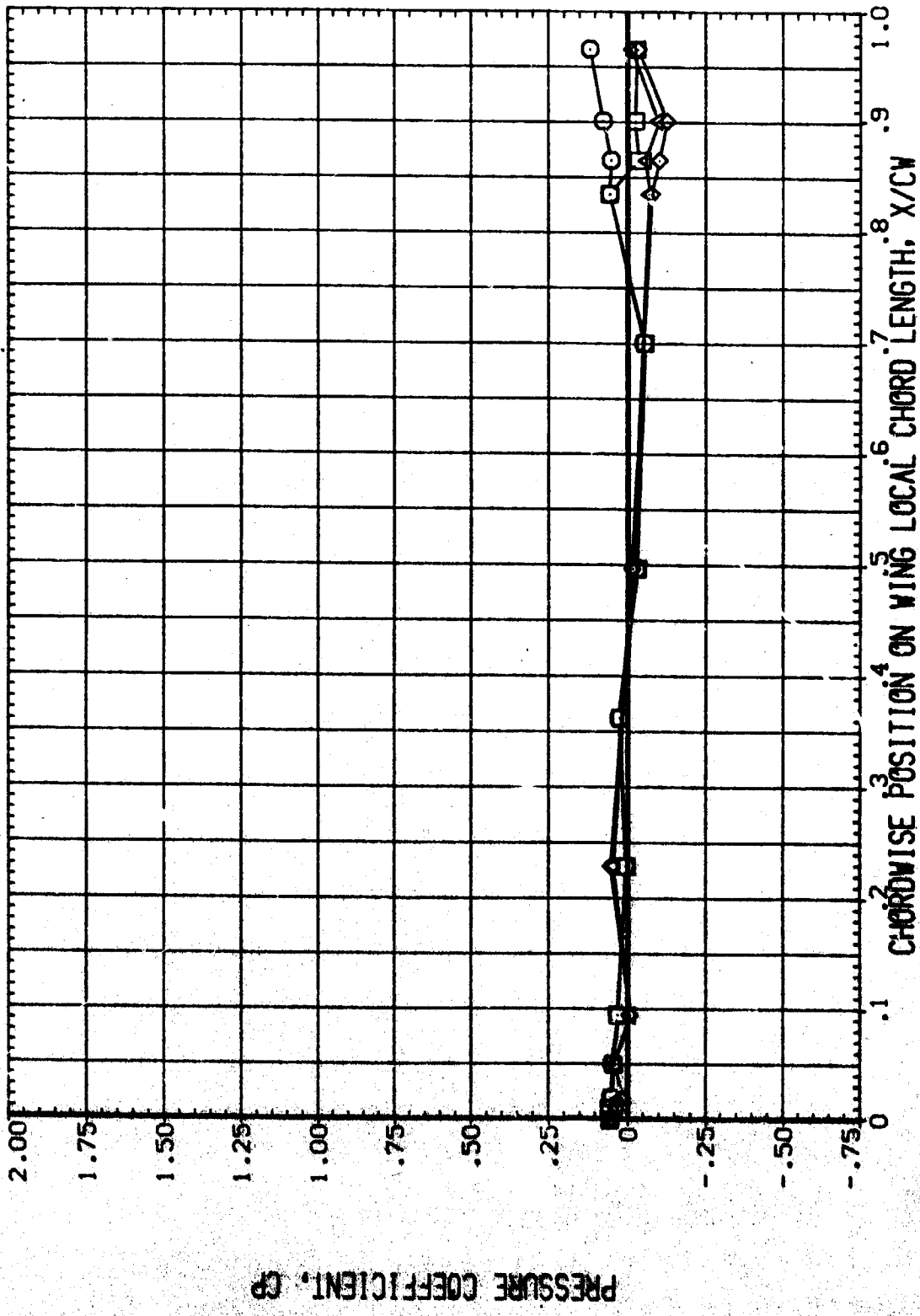


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = -6.000 BETA = .000 Y/BW = .299 PAGE 1548

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAS1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAS1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAS1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAS1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	-4.000

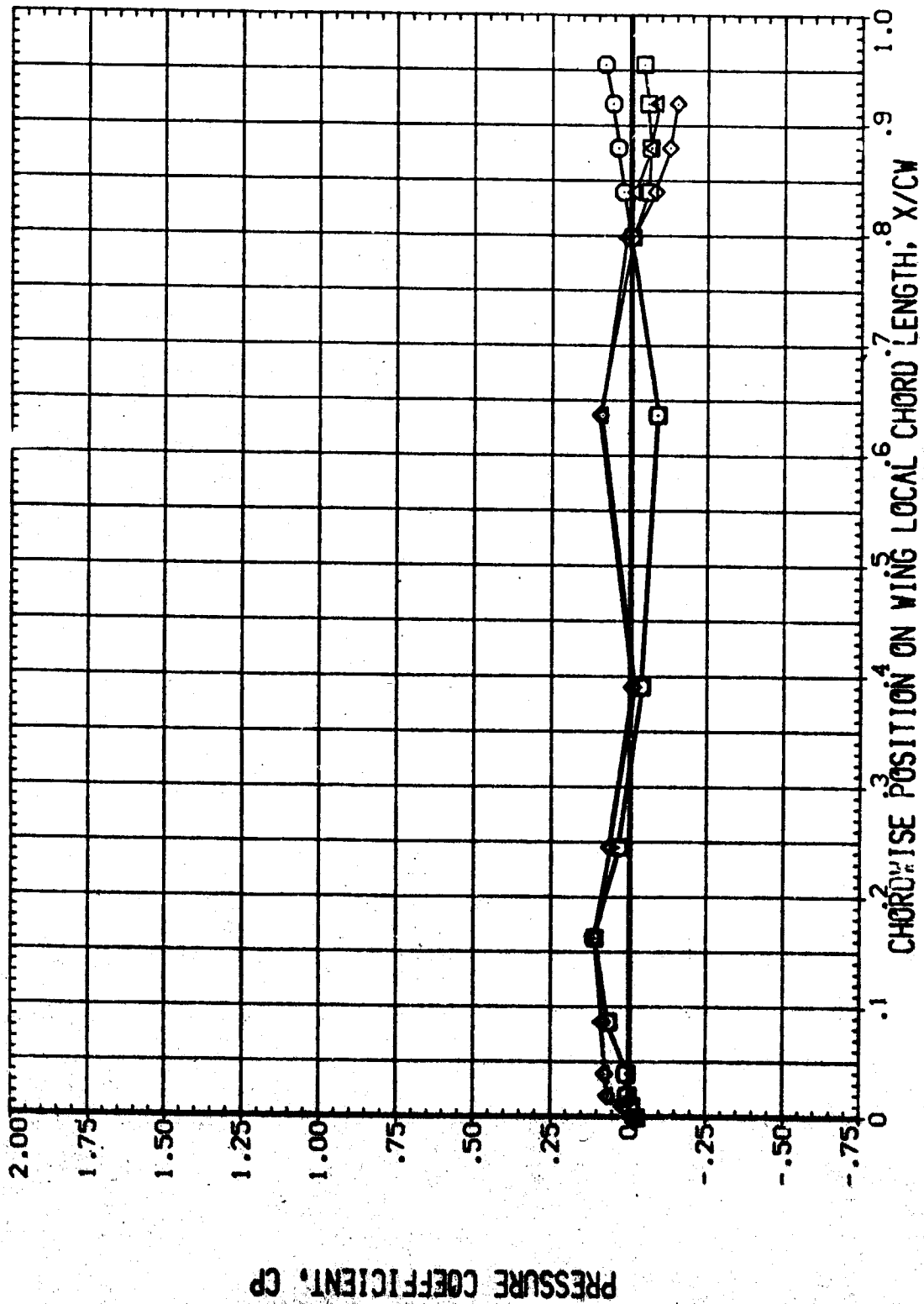


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA0 = -6.000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(HETUS2)	ANC97-019 [AB] LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(HETUS3)	ANC97-019 [AB] LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000
(HETL42)	ANC97-019 [AB] LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(HETL38)	ANC97-019 [AB] LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000

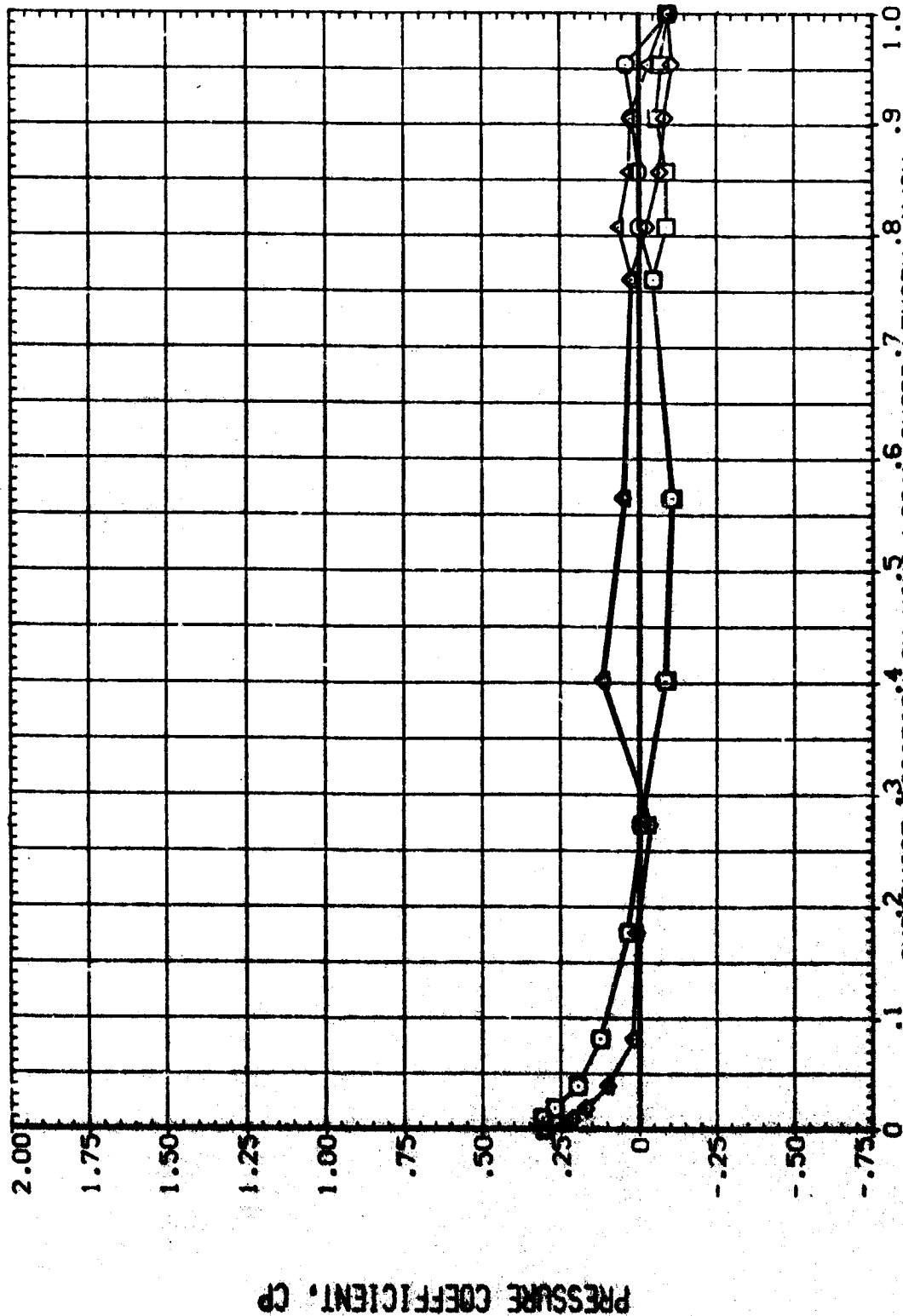


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDRK = 0. MACH = 2.50

ALPHA = -6.000 BETA = .000 Y/BW = .427 PAGE 1550

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

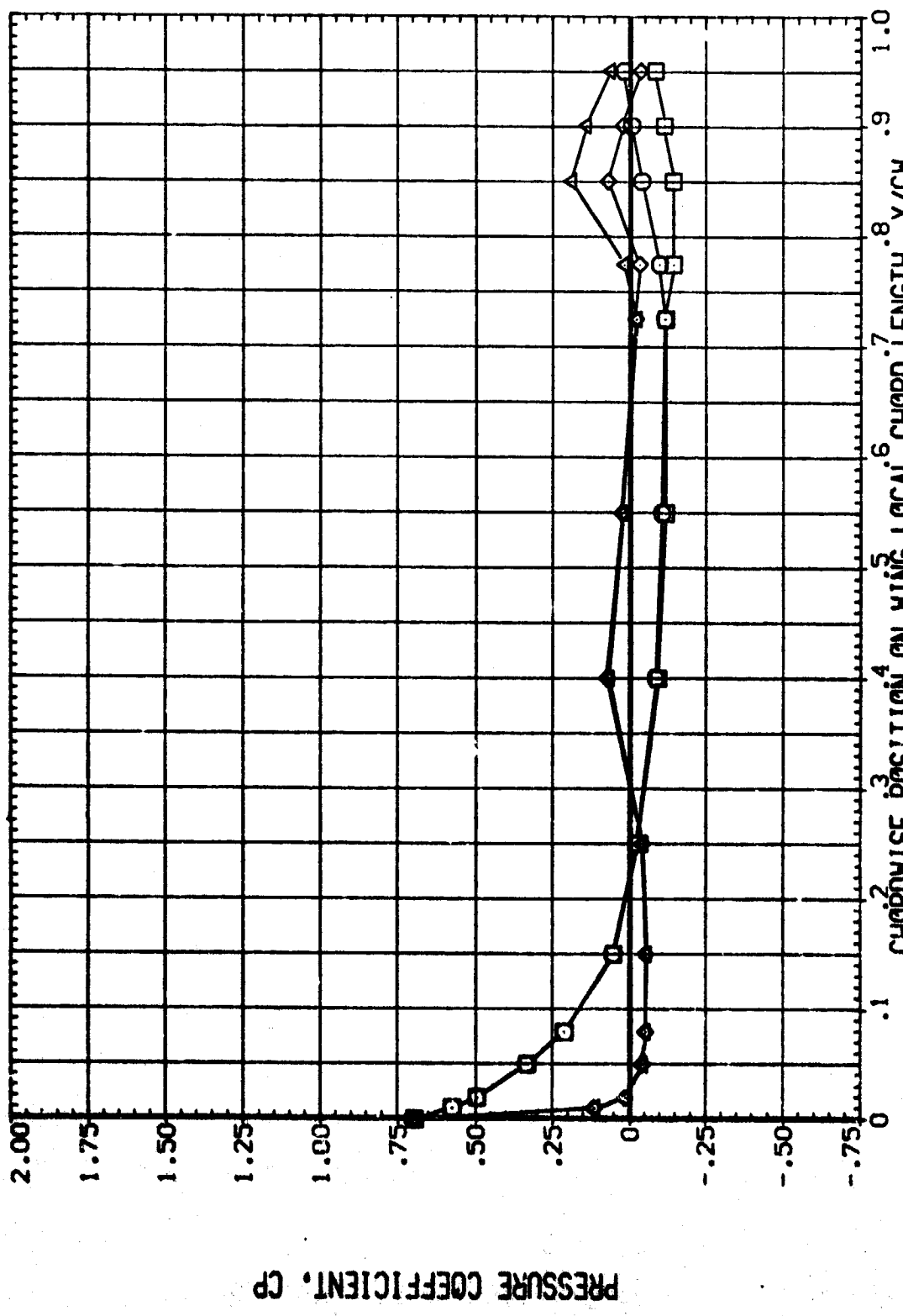


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(1ETU42)	ARC97-013 (A8) LVAP(ALL) L SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU56)	ARC97-019 (A8) LVAP(ALL) L SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 (A8) LVAP(ALL) L SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 (A8) LVAP(ALL) L SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

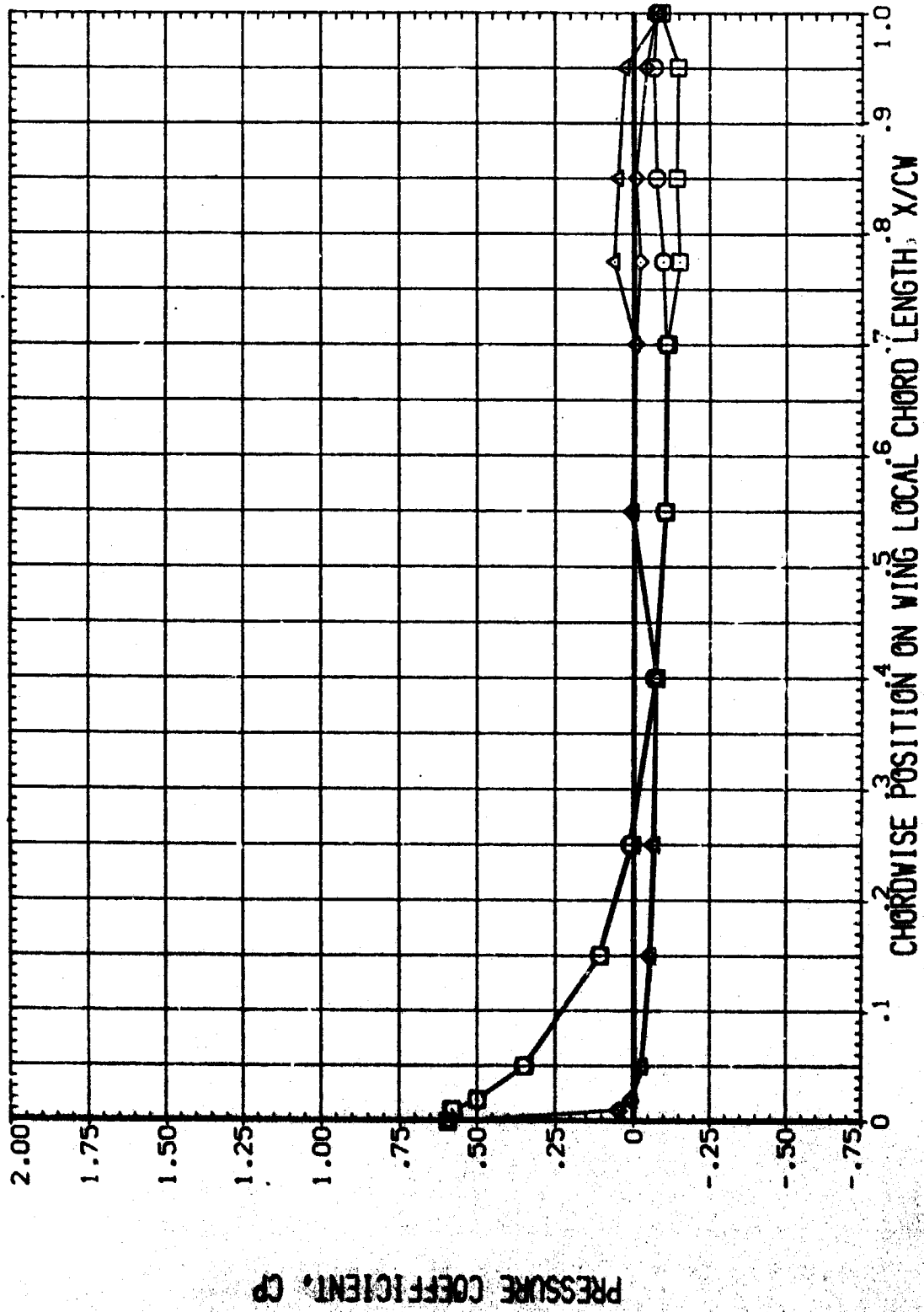


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDRK = 0, MACH = 2.50
 ALPHA = -6.000 BETA = .000 Y/BW = .673 PAGE 1552

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETM42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETM42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

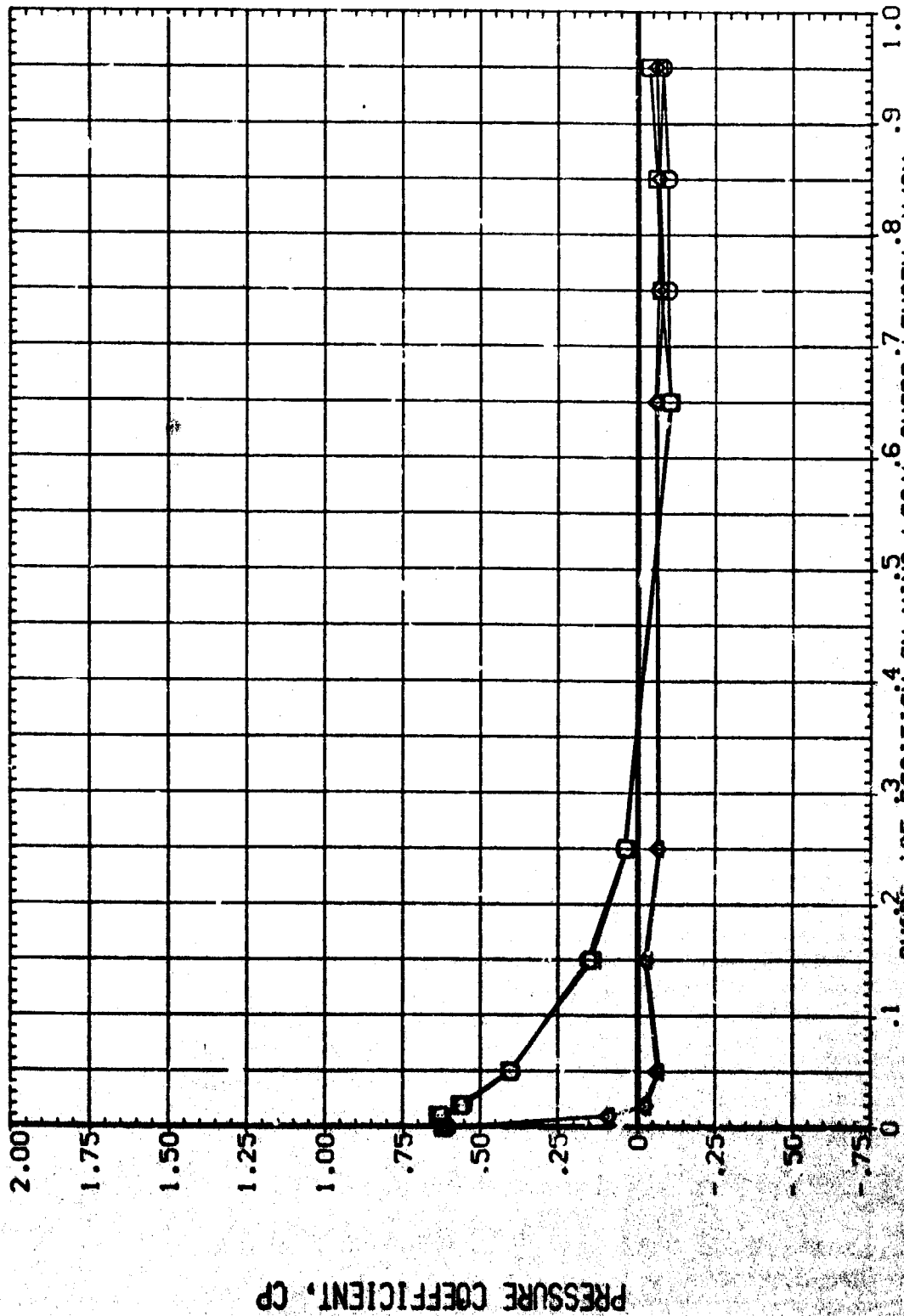


FIG. 08 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-19	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

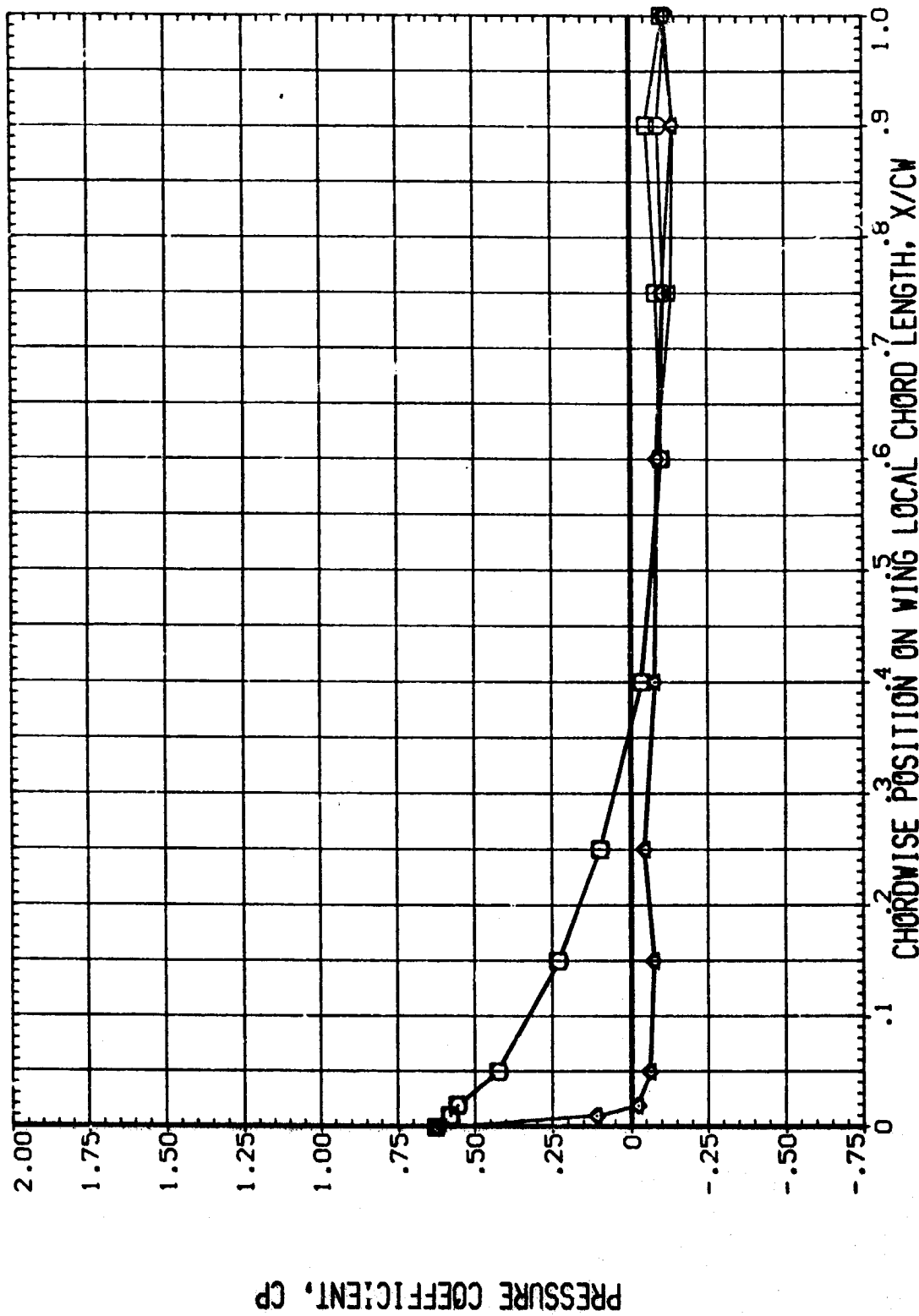


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA0 = -6.000 BETA0 = .000 Y/BW = .887
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 PAGE 1554

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

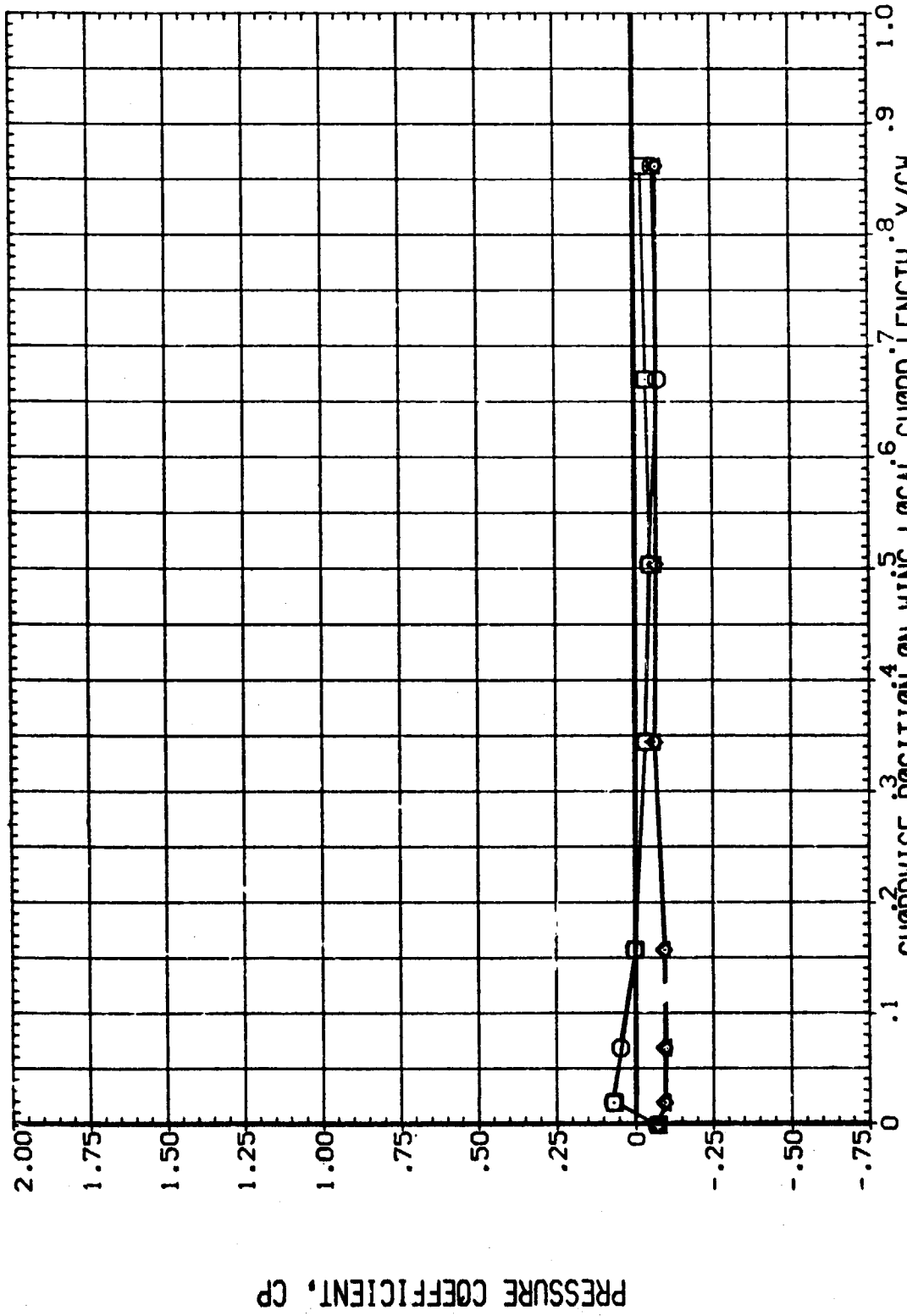


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL: □ (JETU42) □ (JETU38) □ (JETL42) □ (JETL38)
 CONFIGURATION DESCRIPTION: ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP; ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP; DATA NOT AVAILABLE; DATA NOT AVAILABLE
 MACH: 2.500, 2.500, 2.500, 2.500
 ELV-1B: .000, 8.000, .000, 8.000
 RN/FT: 2.500, 2.500, 2.500, 2.500
 ELV-08: .000, -4.000, .000, -4.000

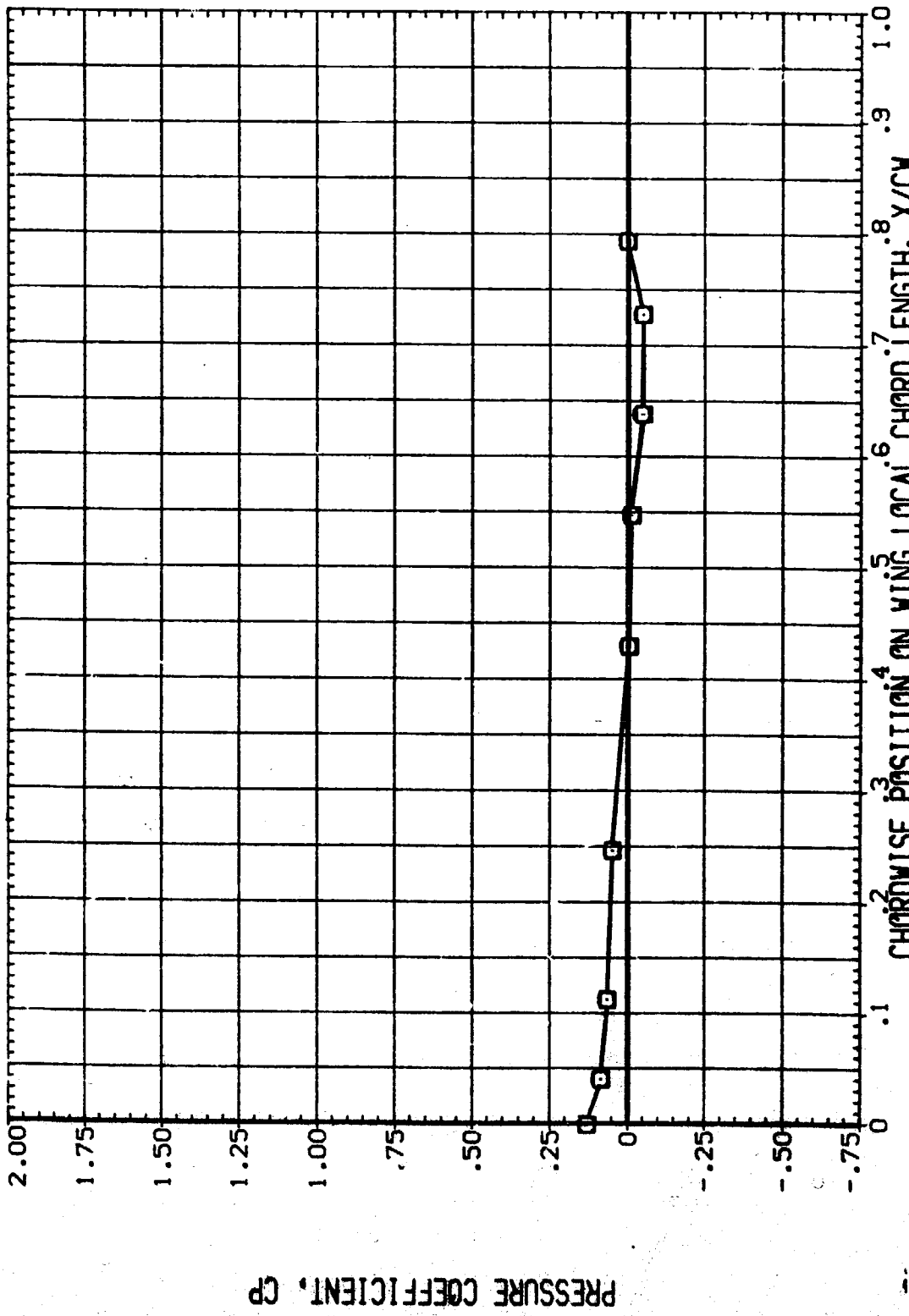


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0, MACH = 2.50
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU2)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU8)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL2)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

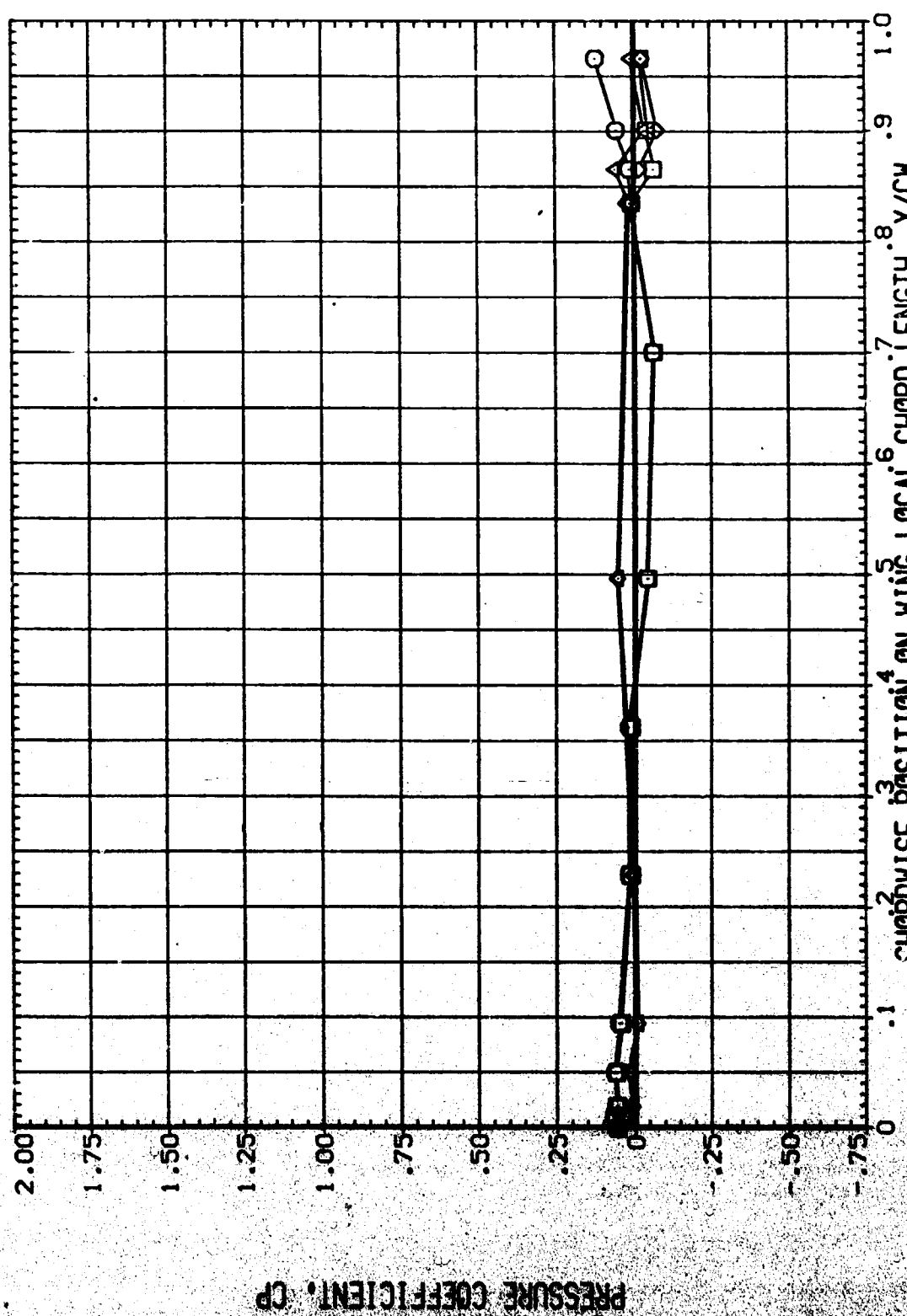


FIG. 69 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.50

MARK SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
□	MSC7-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
○	MSC7-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
△	MSC7-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
◇	MSC7-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

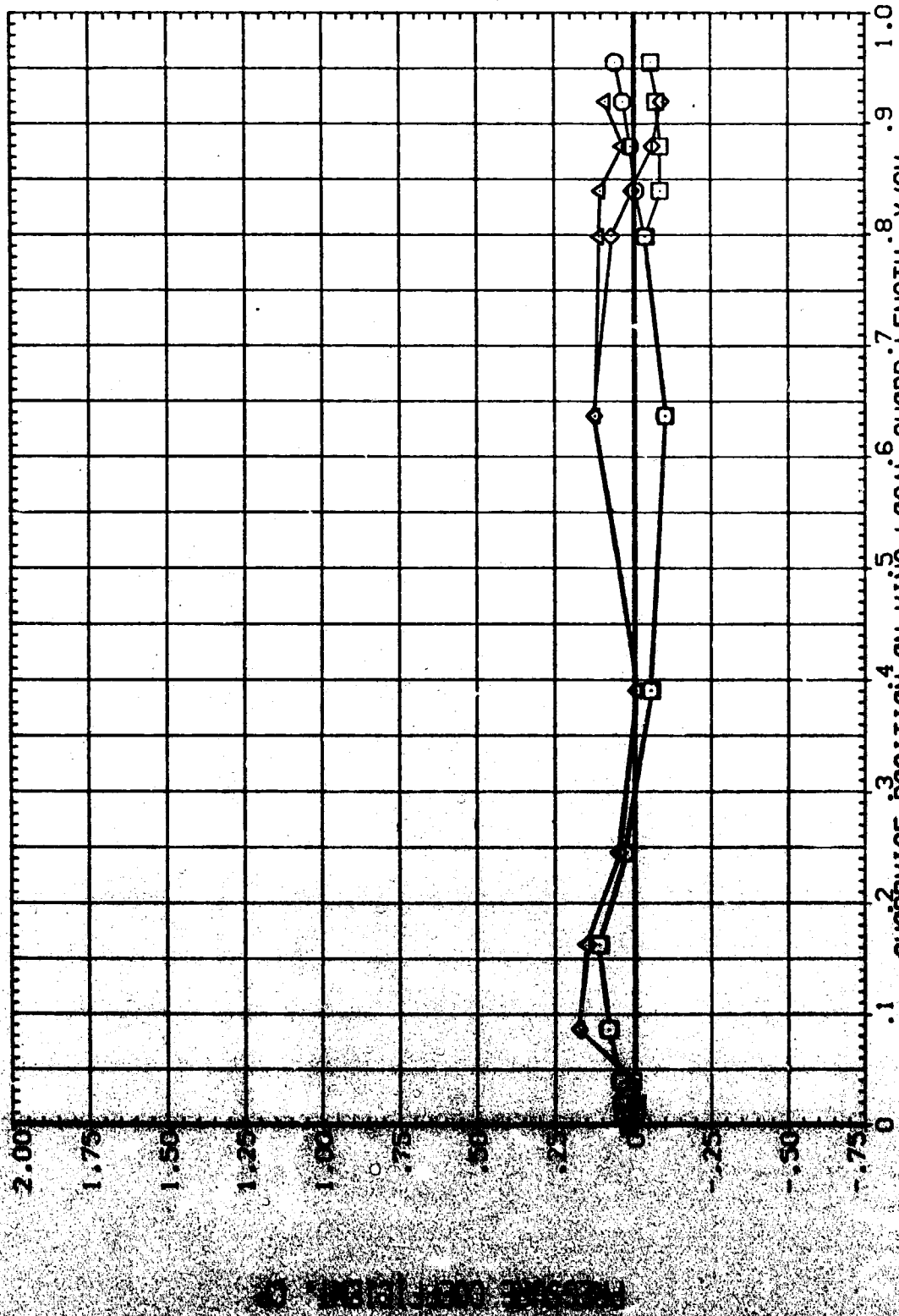


FIG. 6B WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = -4.000 BETA = -4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

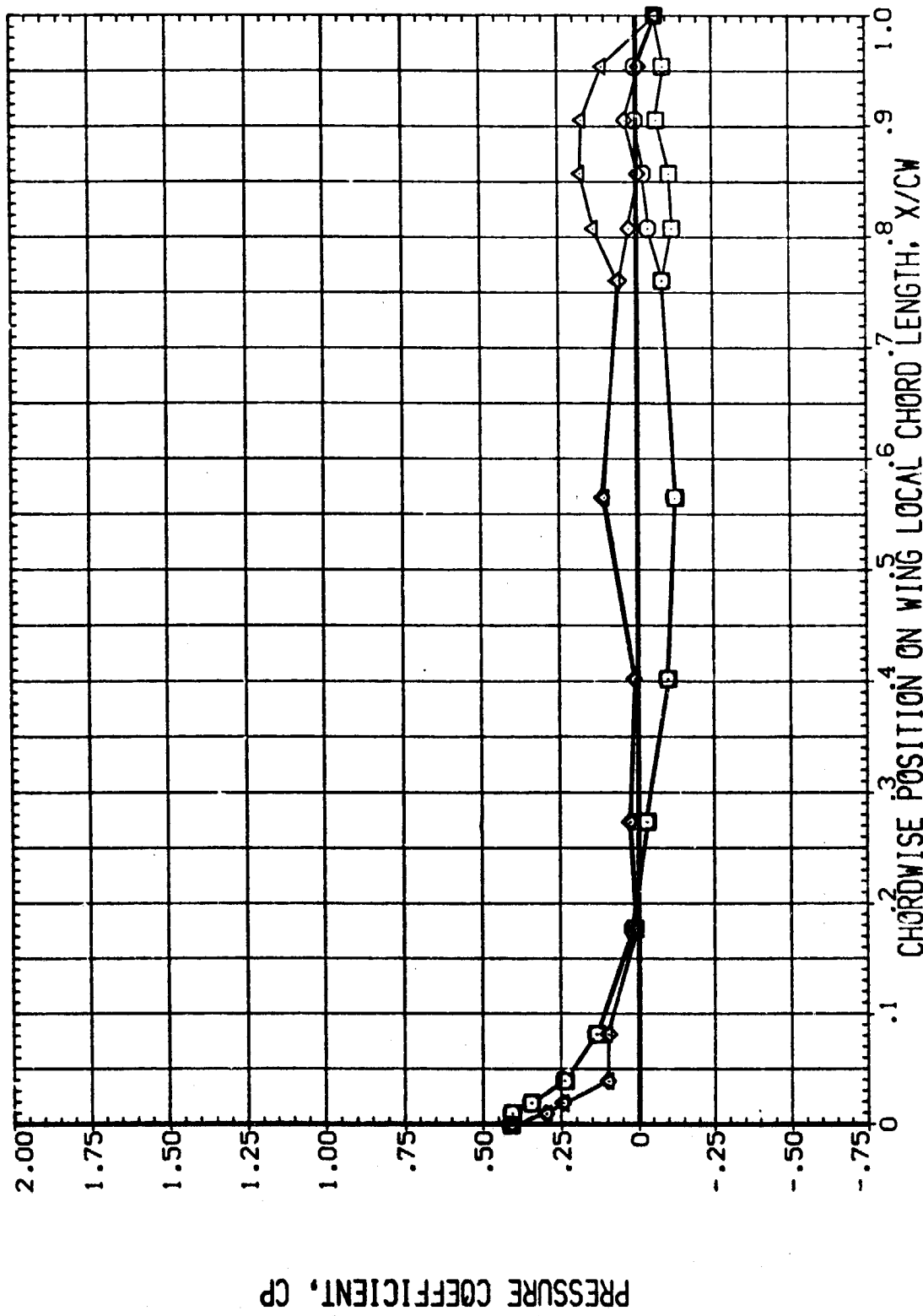


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

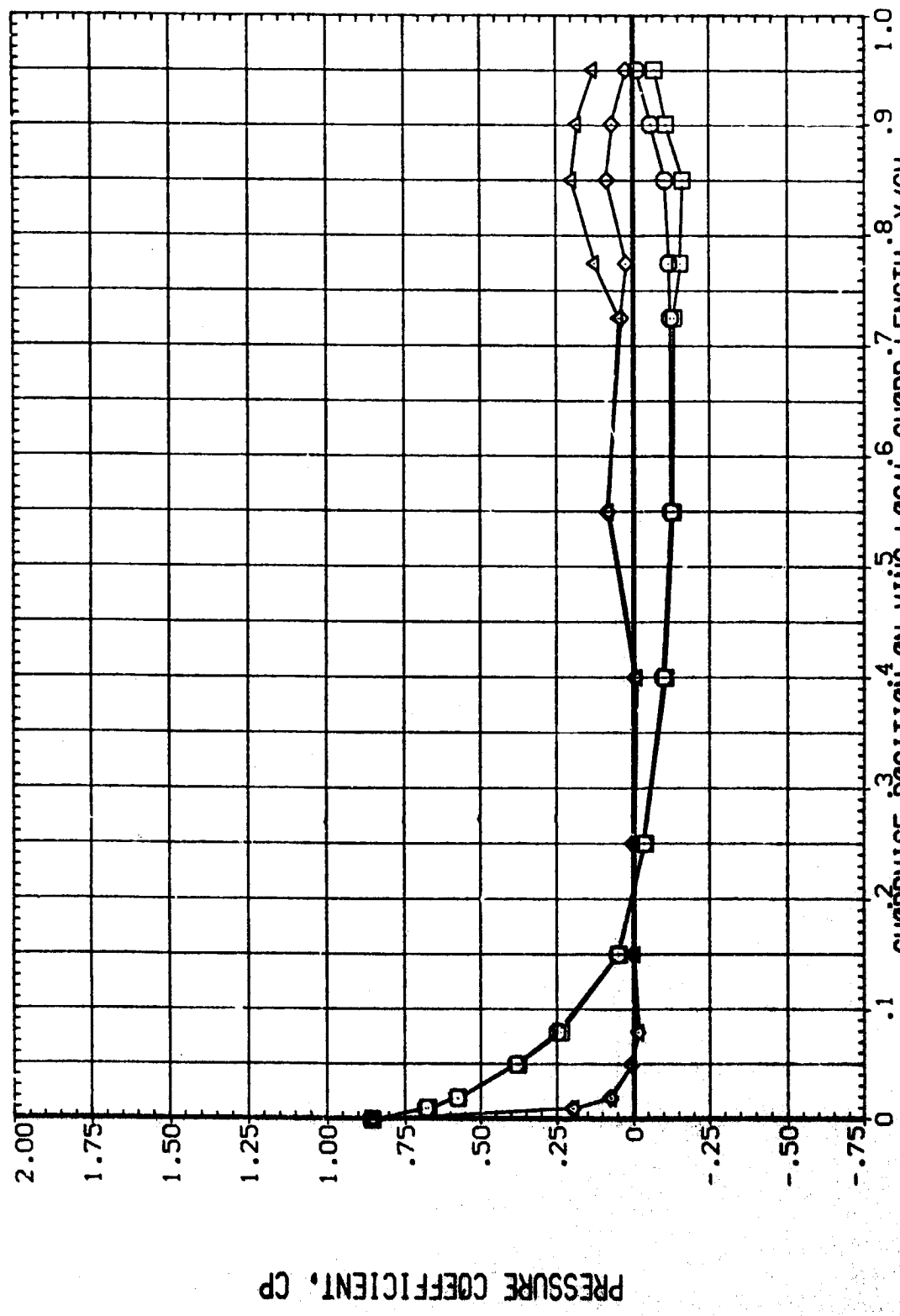


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = -4.000 BETA0 = -4.000 Y/BW = .534
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(TETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(TETU08)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(TETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(TETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

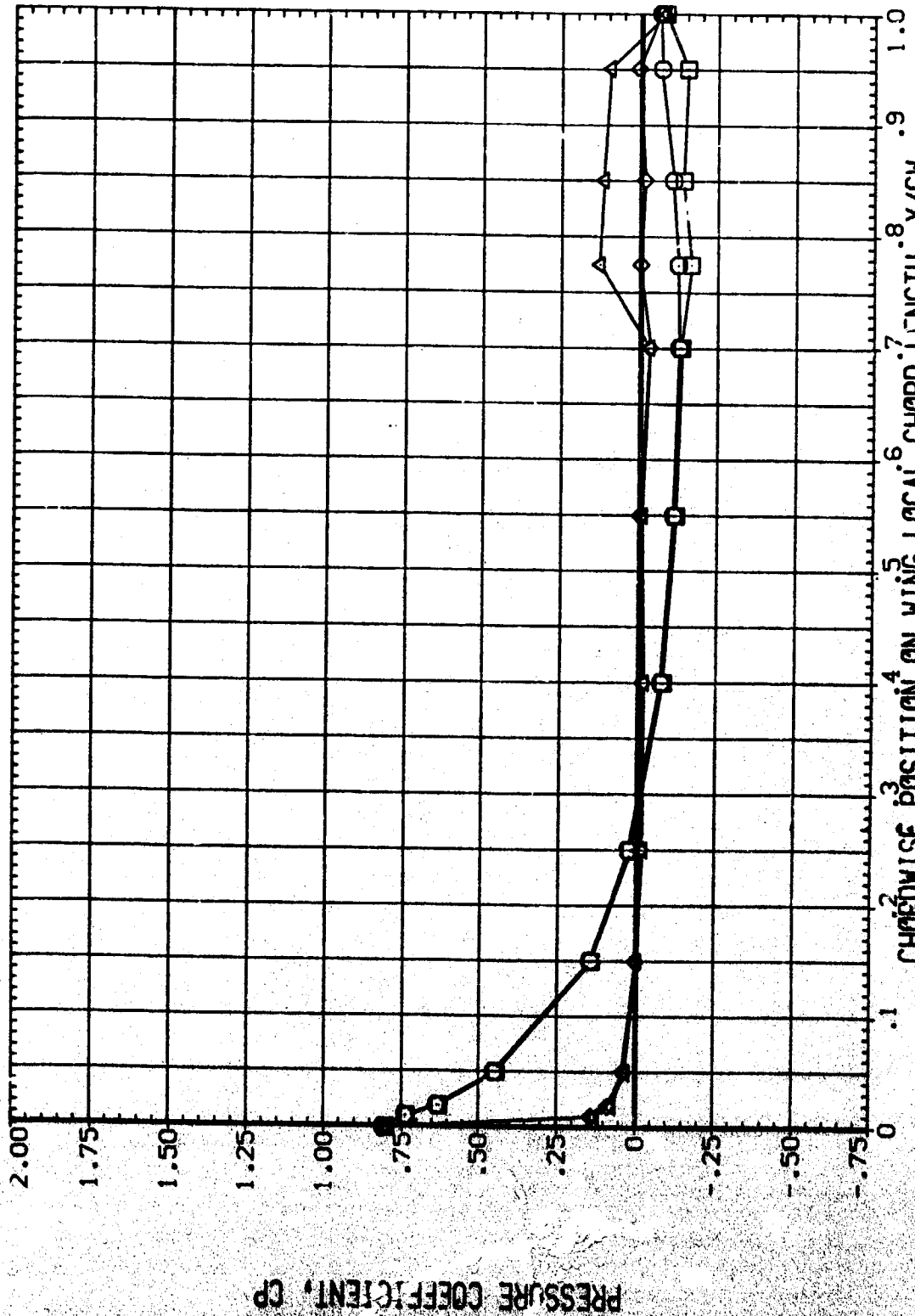
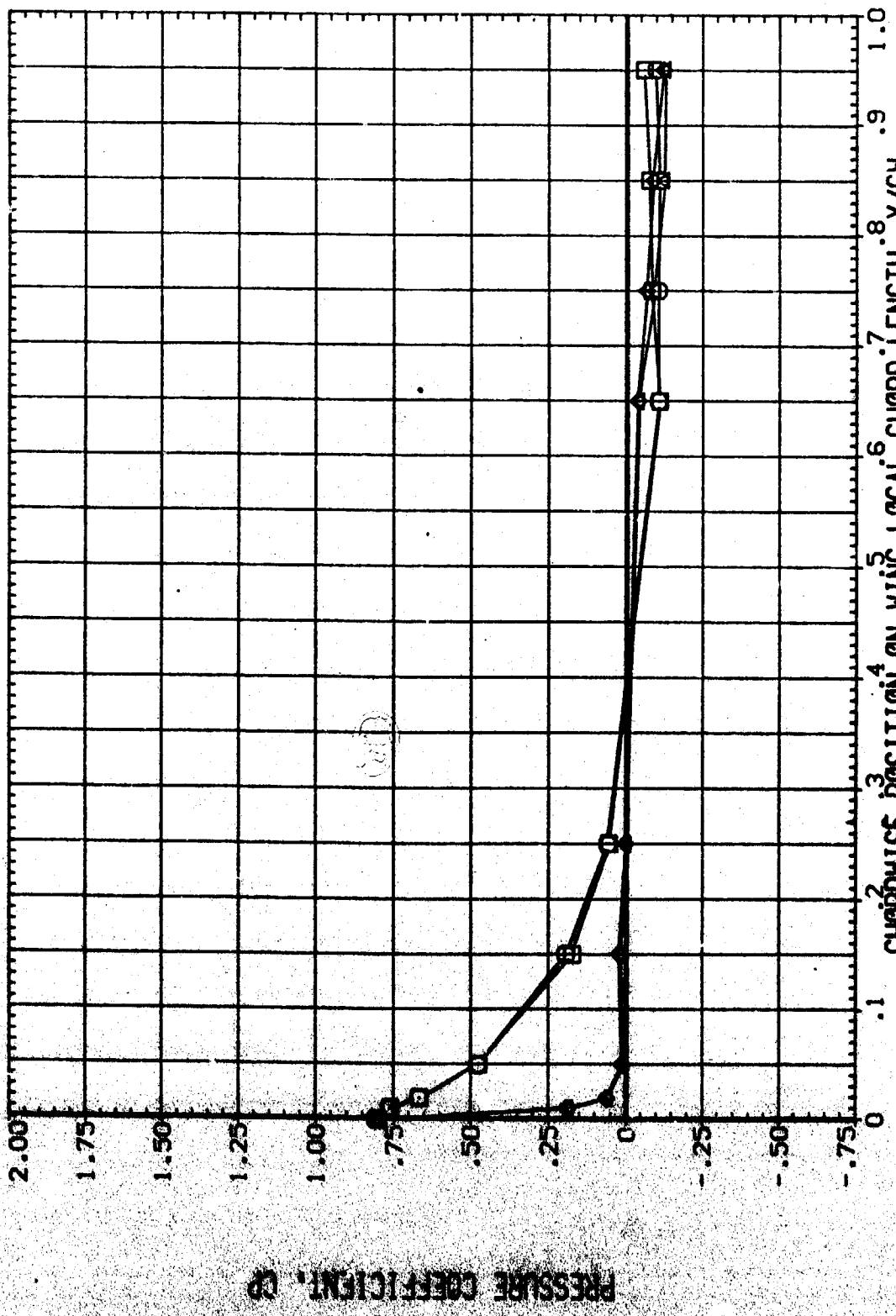


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B
 (ITEM 2) □ ARC57-019 1A81 LVAP(ALL) SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (ITEM 3) □ ARC57-019 1A81 LVAP(ALL) SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (ITEM 4) □ ARC57-019 1A81 LVAP(ALL) SEALED) LEFT WING BOT. 2.500 .000 2.500 .000
 (ITEM 5) □ ARC57-019 1A81 LVAP(ALL) SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDRK = 0. MACH = 2.50
 ALPHA = -4.000 BETA = -4.000 Y/BW = .780 PAGE 1562

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETL48)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL48)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

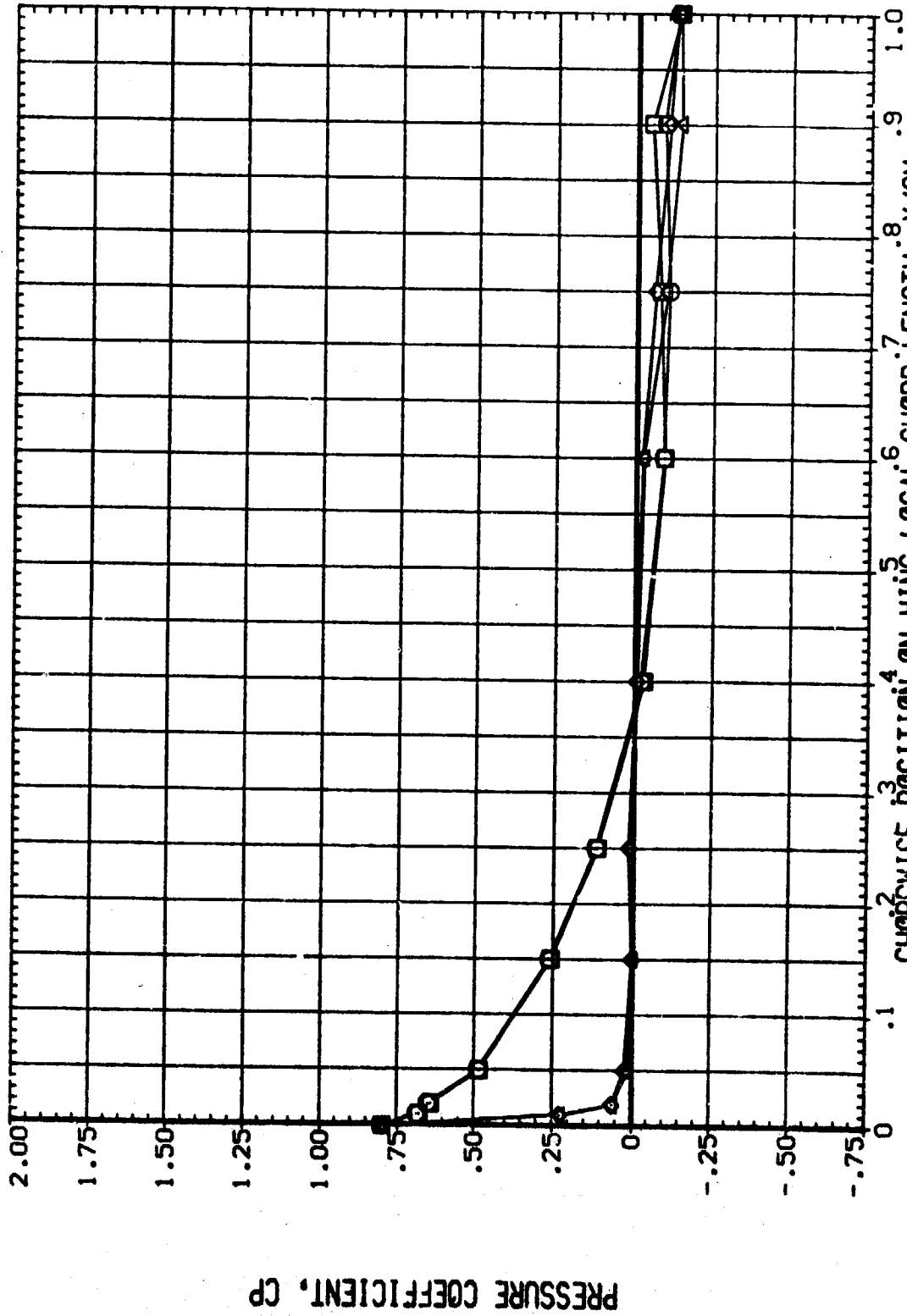


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA3 = -4.000 BETA0 = -4.000 Y/BW = .887

DATA SET SYMBOL: (JETU42) (JETU38) (JETL42) (JETL38)
 CONFIGURATION DESCRIPTION: ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING TOP; ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.; ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.
 MACH: 2.500 2.500 2.500 2.500
 ELV-IB: .000 2.000 .300 8.000
 RN/FT: 2.500 2.500 2.500 2.500
 ELV-OB: .000 -4.000 .000 -4.000

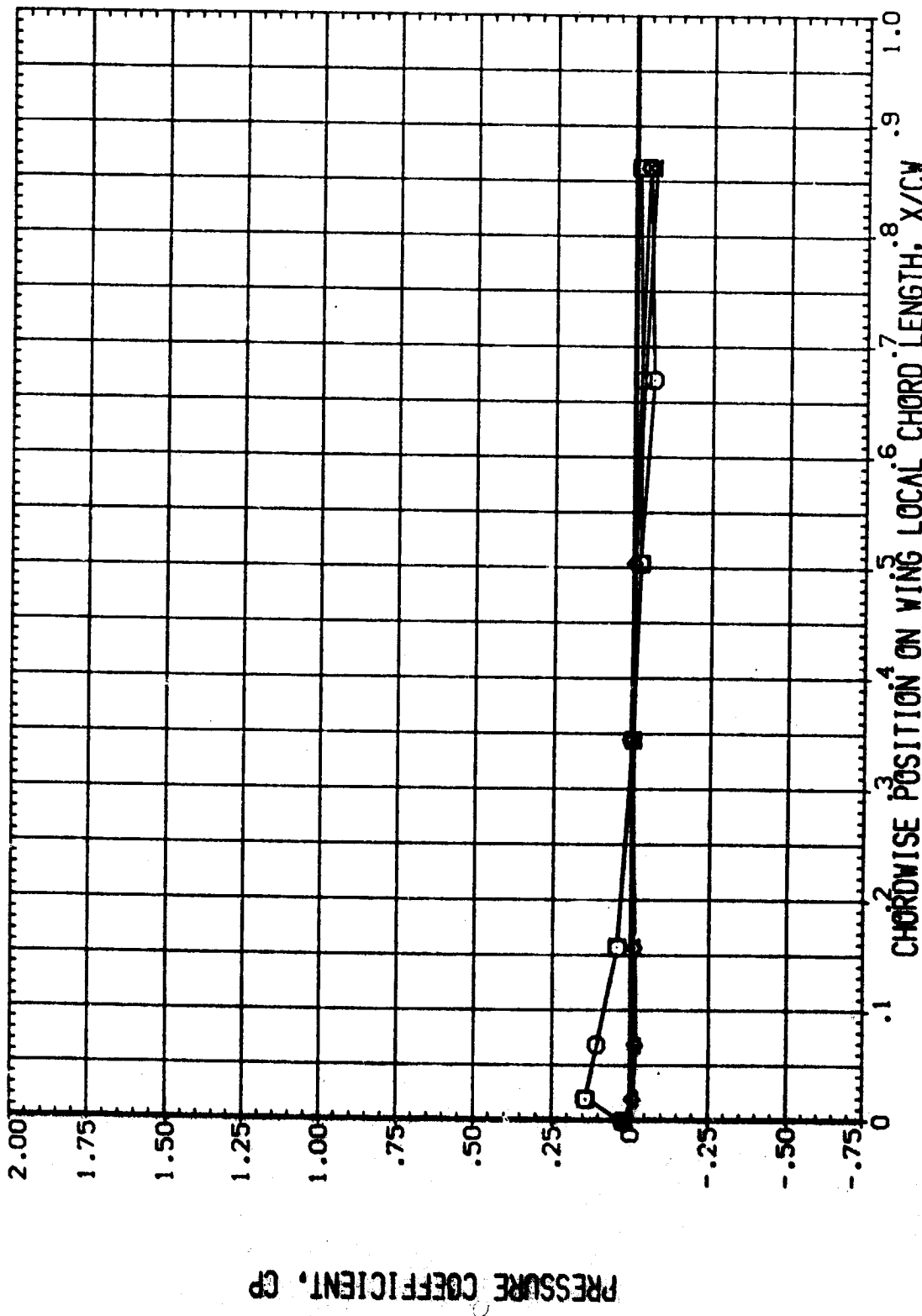


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA= -4.000 BETA= -4.000 Y/BW = .972 PAGE 1564

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(IETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

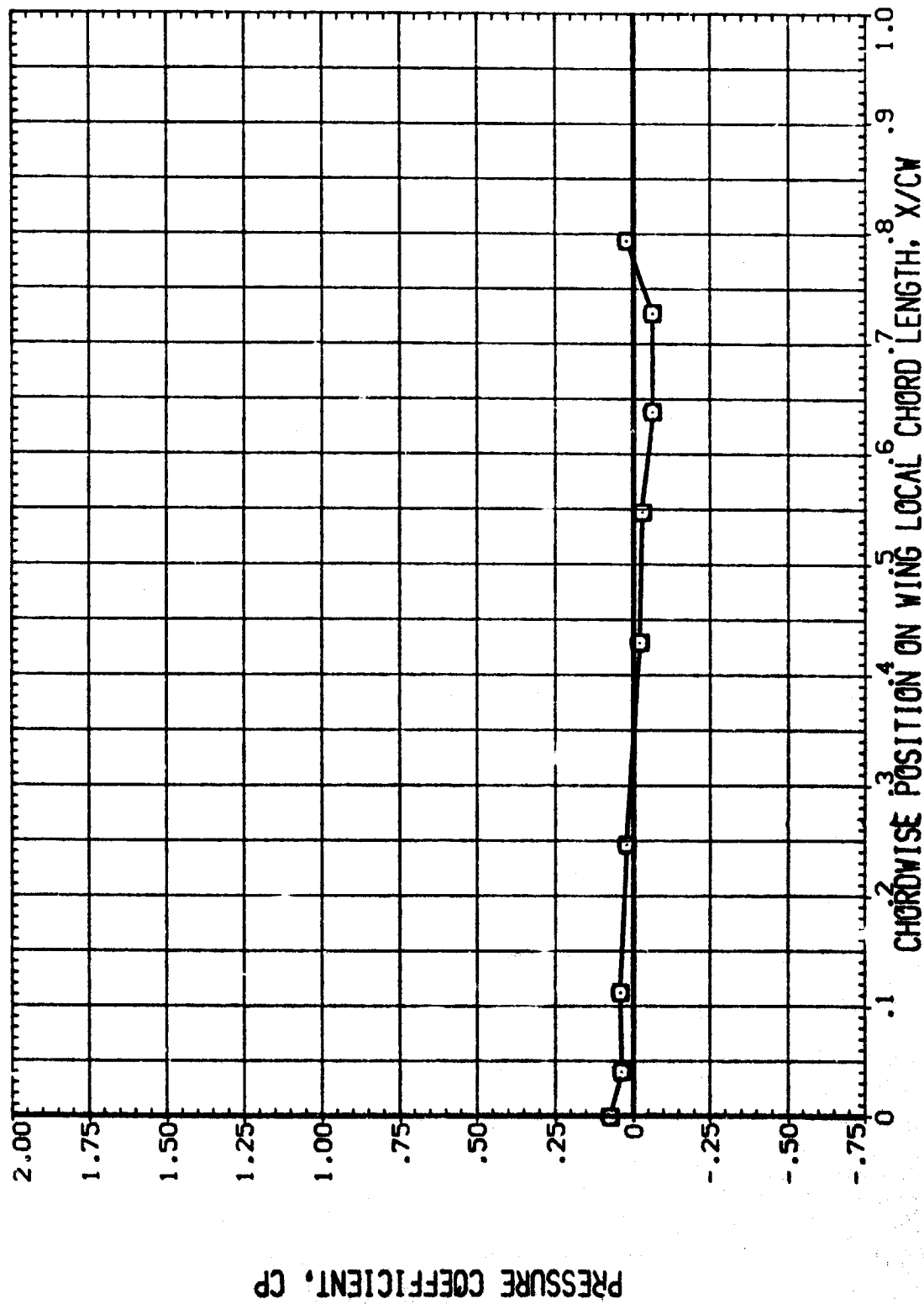


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .235 PAGE 1565

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.500	.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.500	.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAP(ALLM SEALED)	2.500	8.000	2.500	-4.000

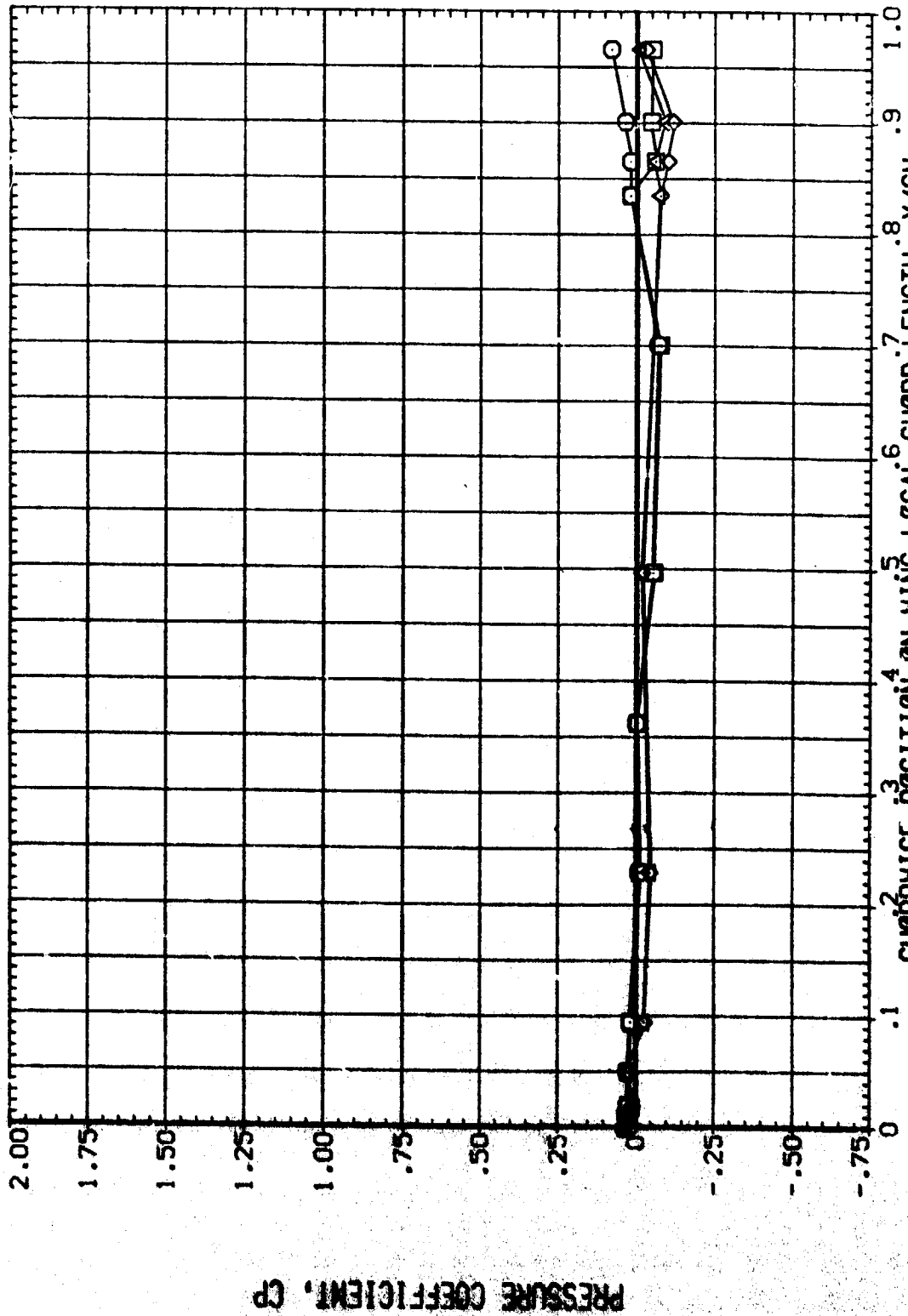


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA = -4.000 BETA = .000 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAPCALLHL (SE ALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAPCALLHL (SE ALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAPCALLHL (SE ALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAPCALLHL (SE ALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

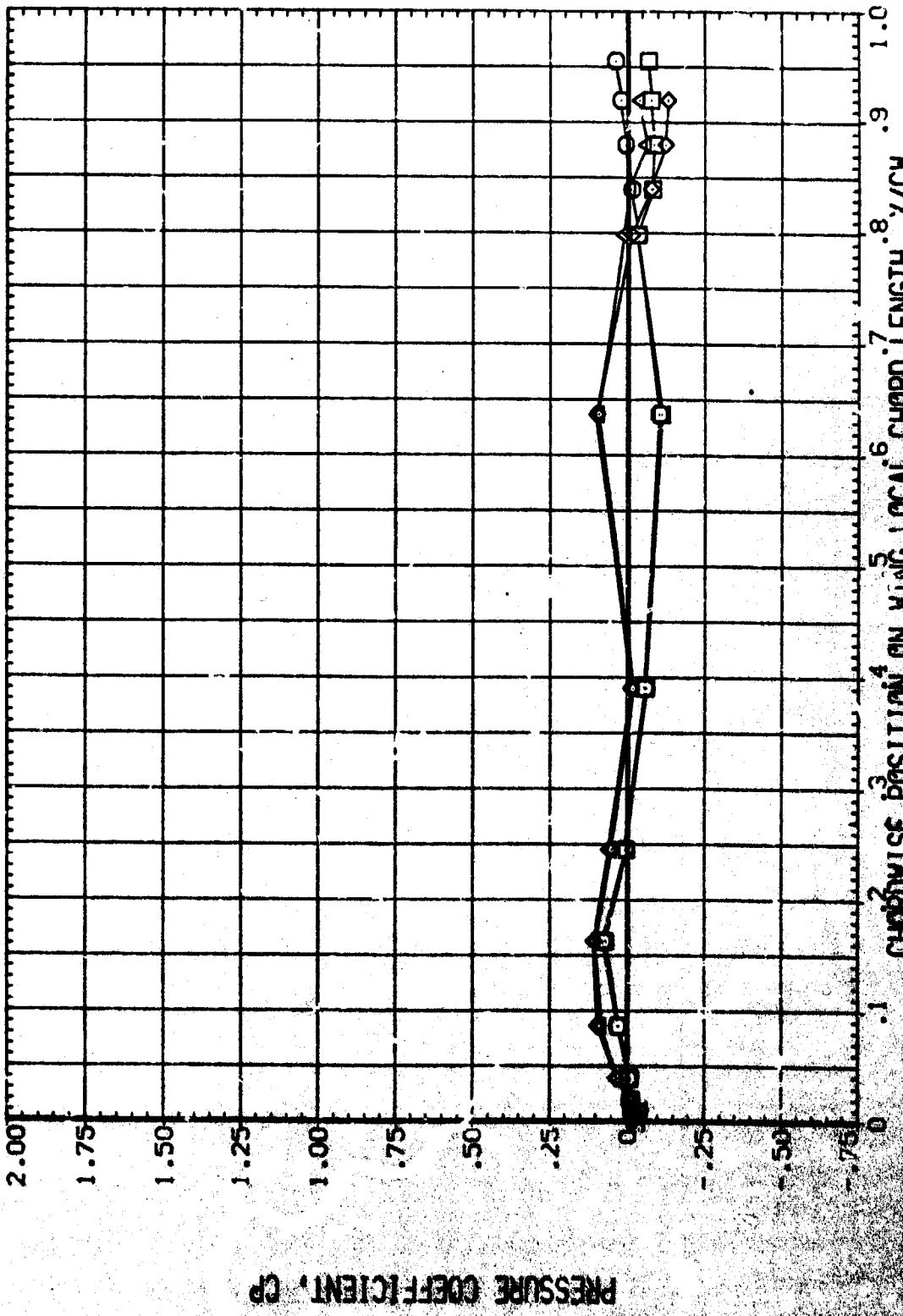


FIG. 88 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

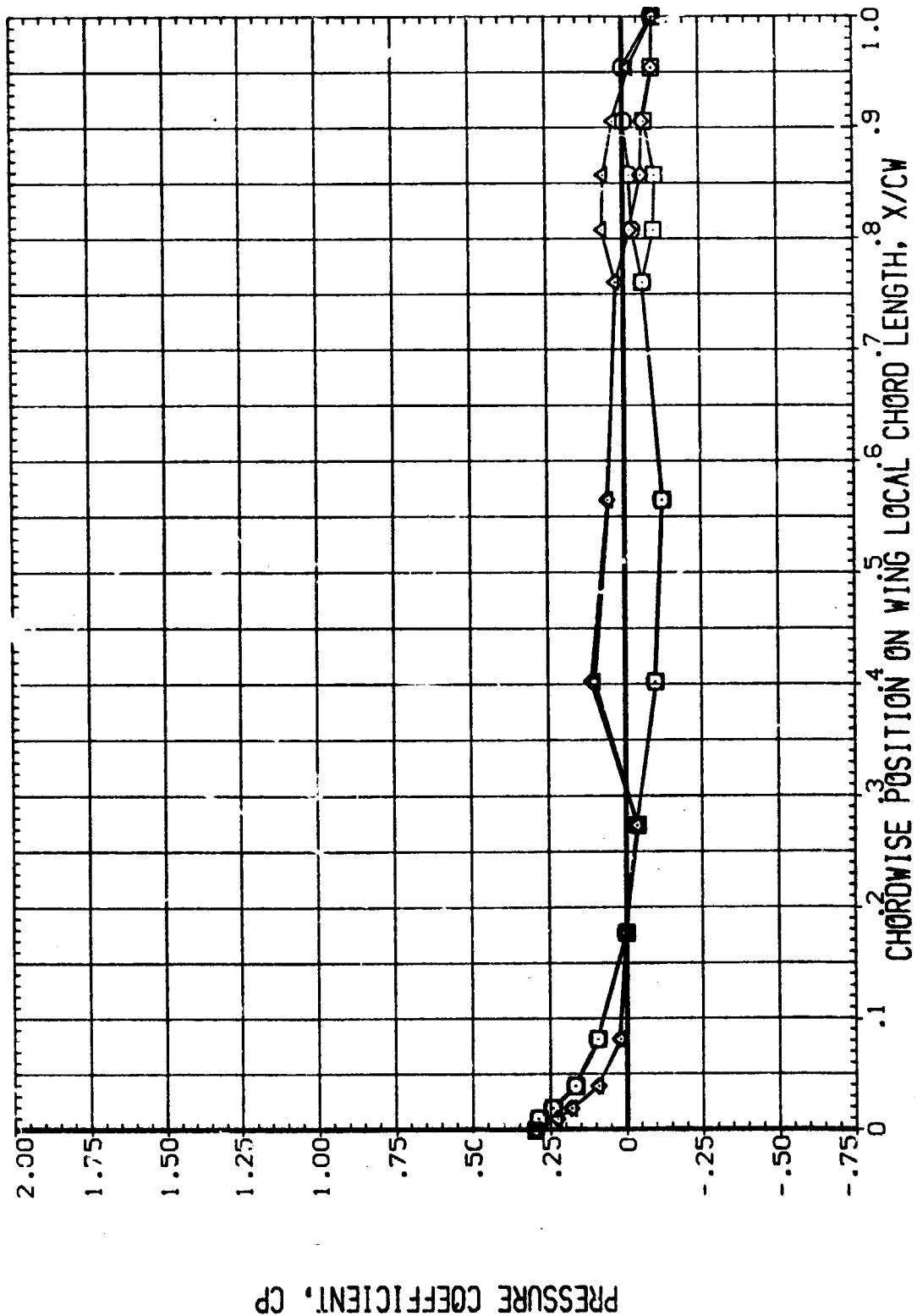


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .427 PAGE 1568



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(JETU42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000
(JETL42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000

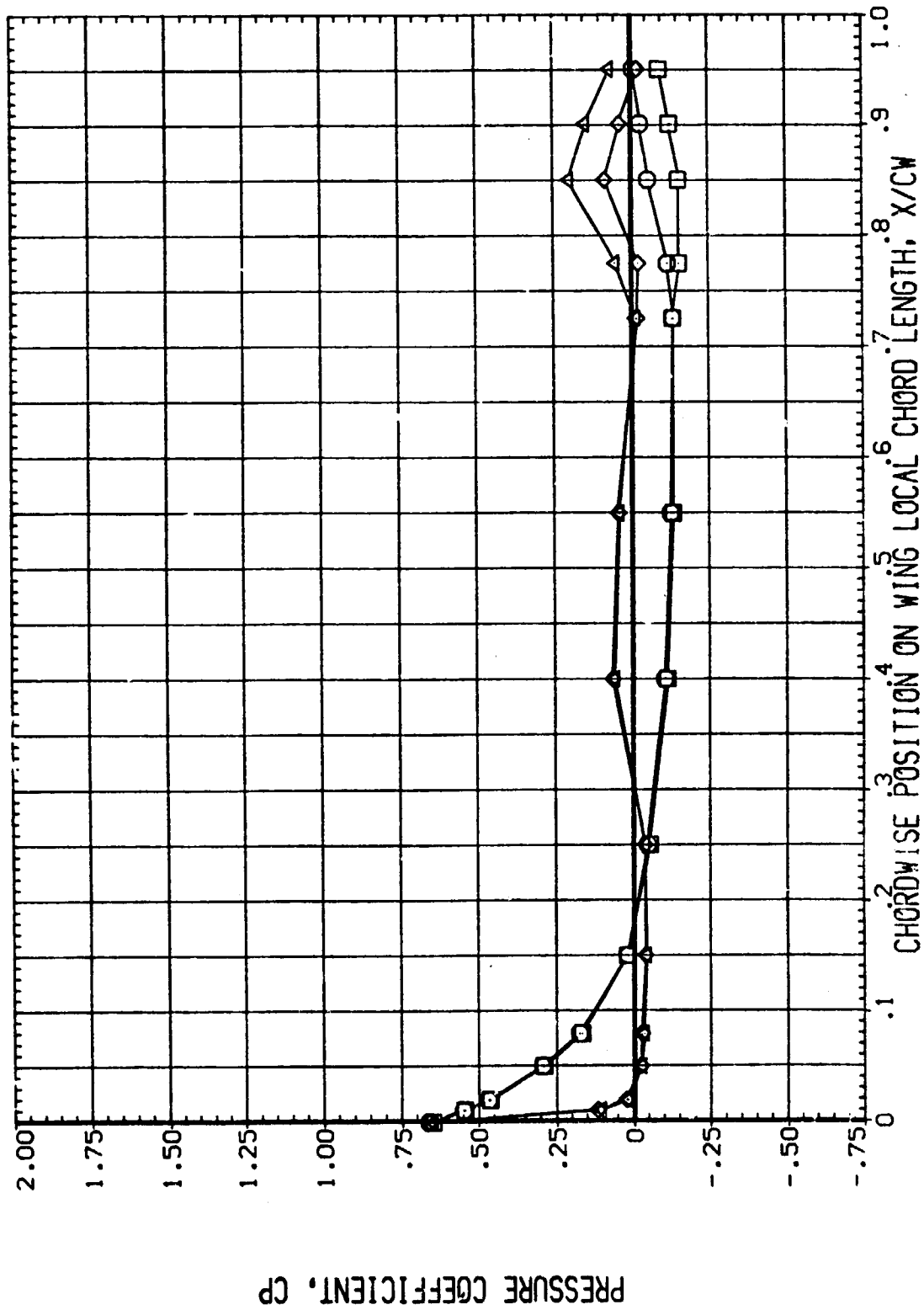


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0. MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (IETU42) ARC97-019 IAB1 LVAP(ALLHL SEALED)
 (IETU38) ARC97-019 IAB1 LVAP(ALLHL SEALED)
 (IETL42) ARC97-019 IAB1 LVAP(ALLHL SEALED)
 (IETL38) ARC97-019 IAB1 LVAP(ALLHL SEALED)
 MACH ELV-1B RN/FT ELV-0B
 2.500 0.000 2.500 0.000
 2.500 6.000 2.500 -4.000
 2.500 8.000 2.500 -4.000
 LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

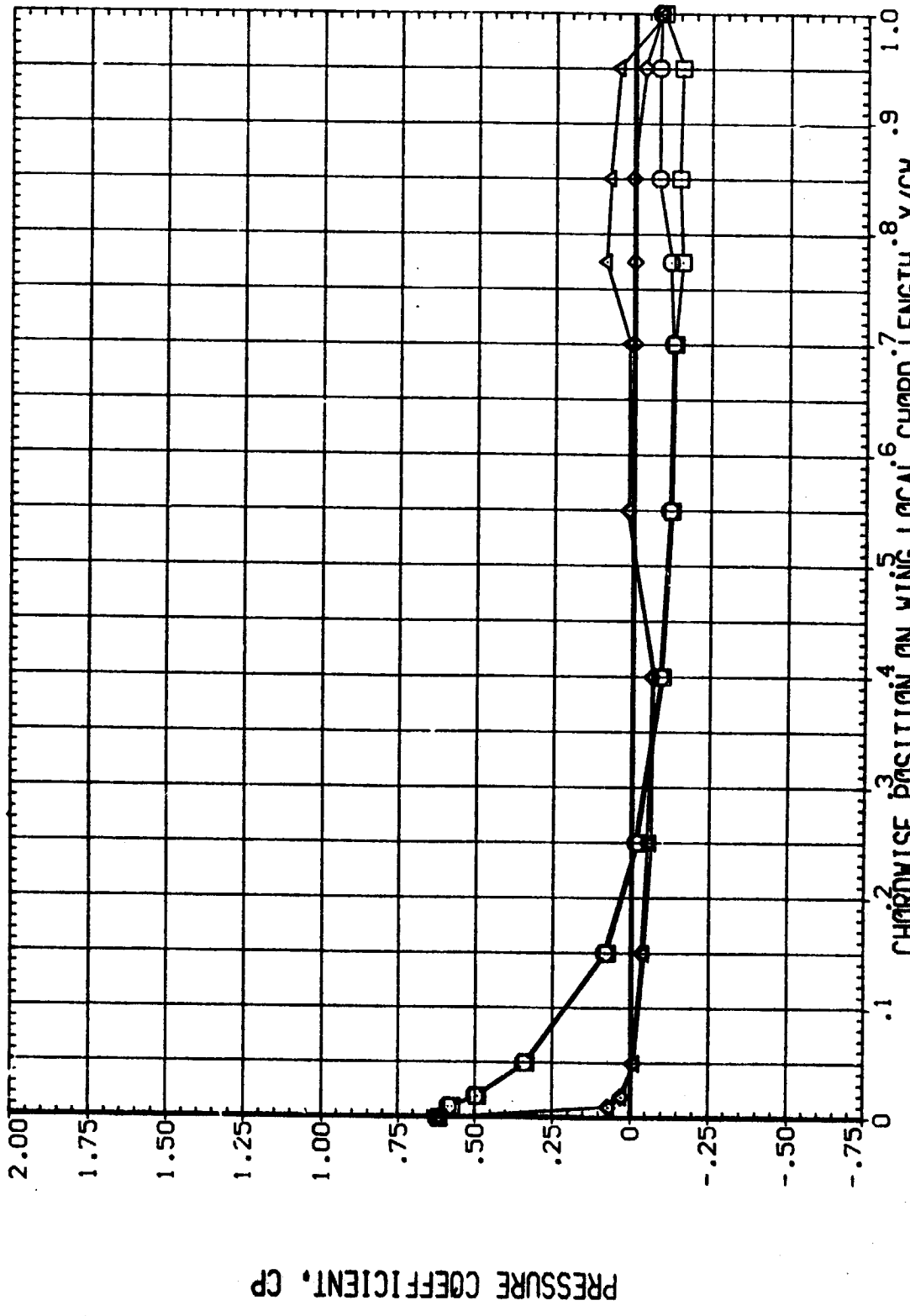


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = -4.000 BETA0 = .000 Y/BW = .673 PAGE 1570

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELY-1B	RN/FT	ELY-08
(JETM2)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

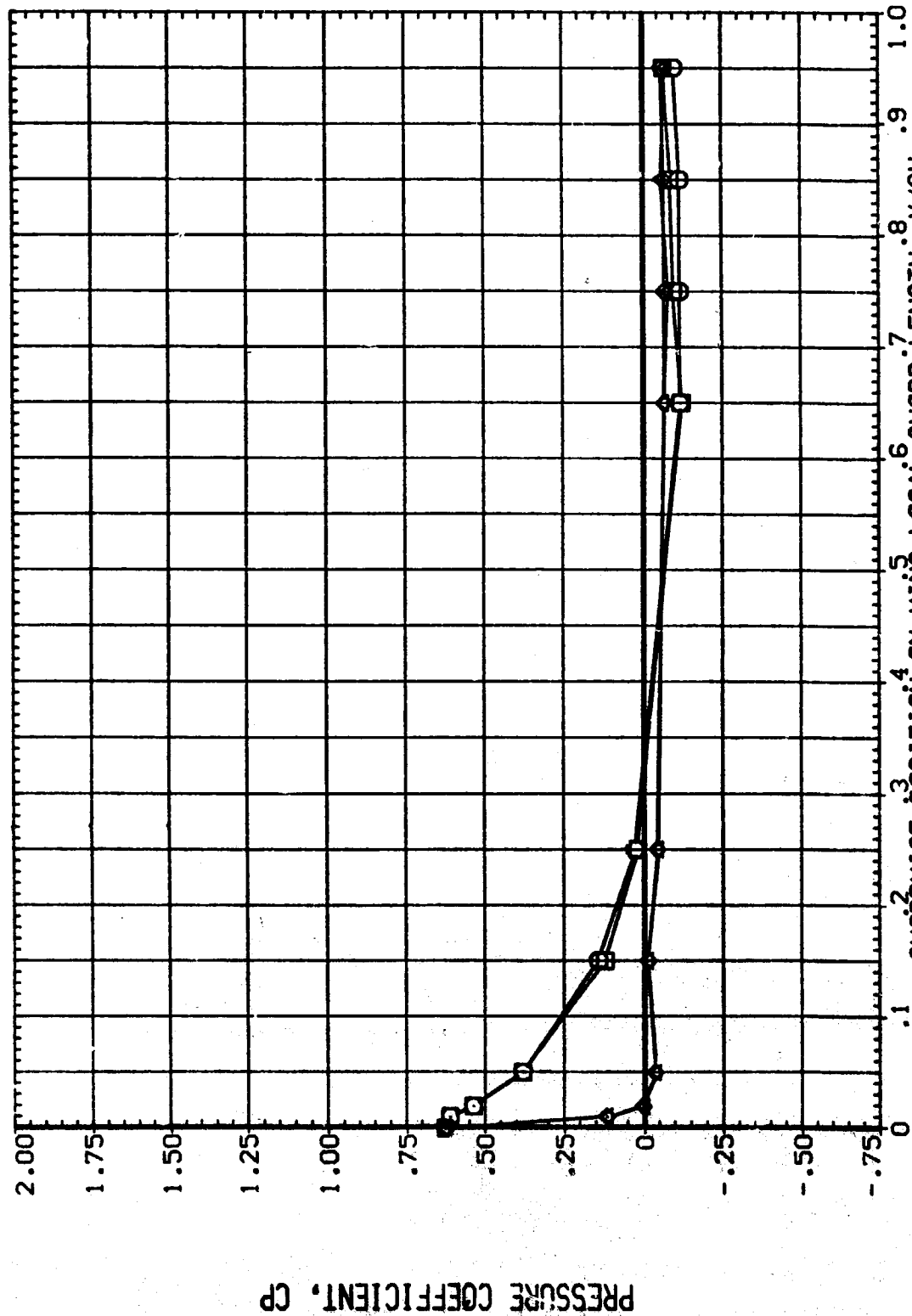
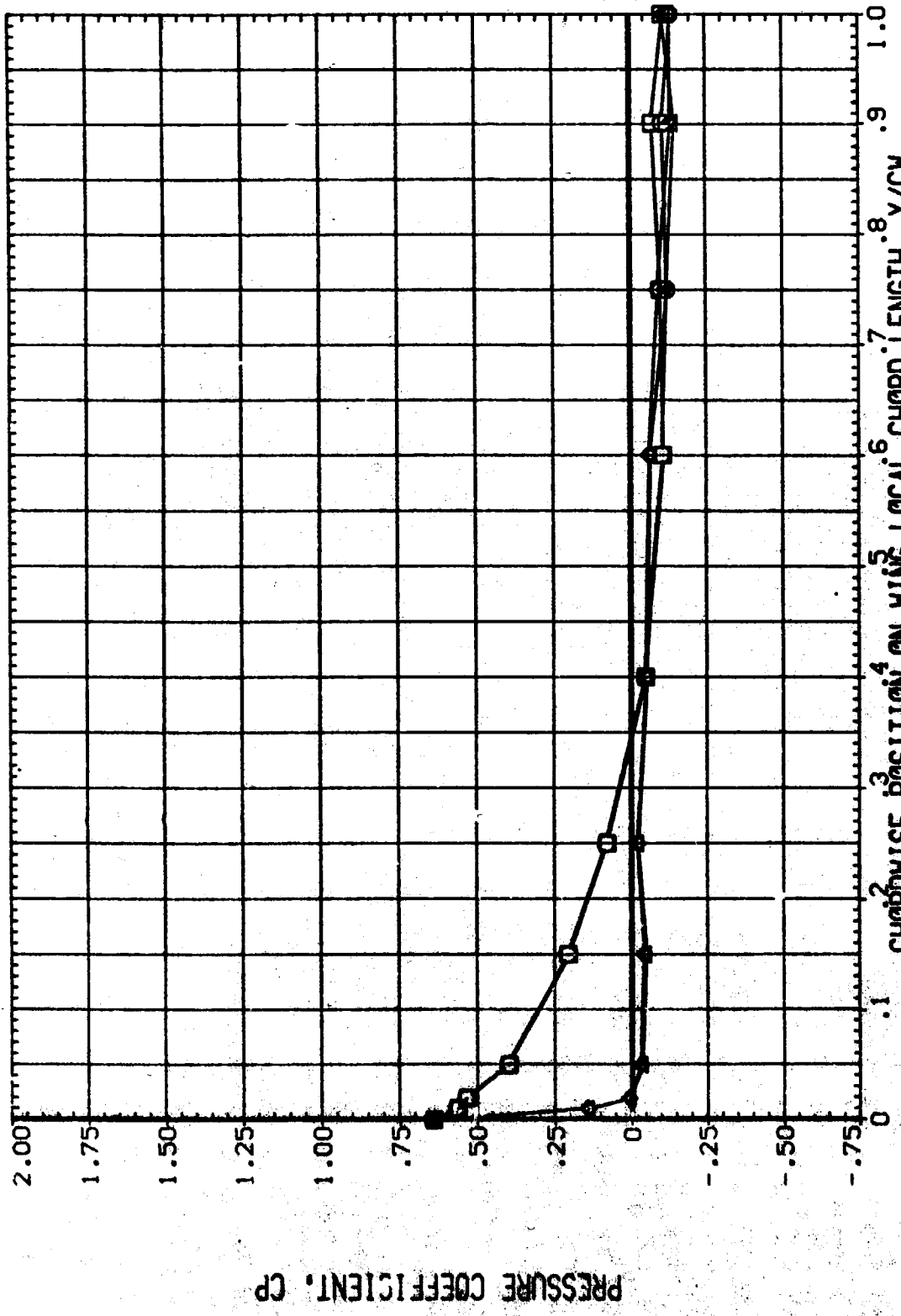


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-09

(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000

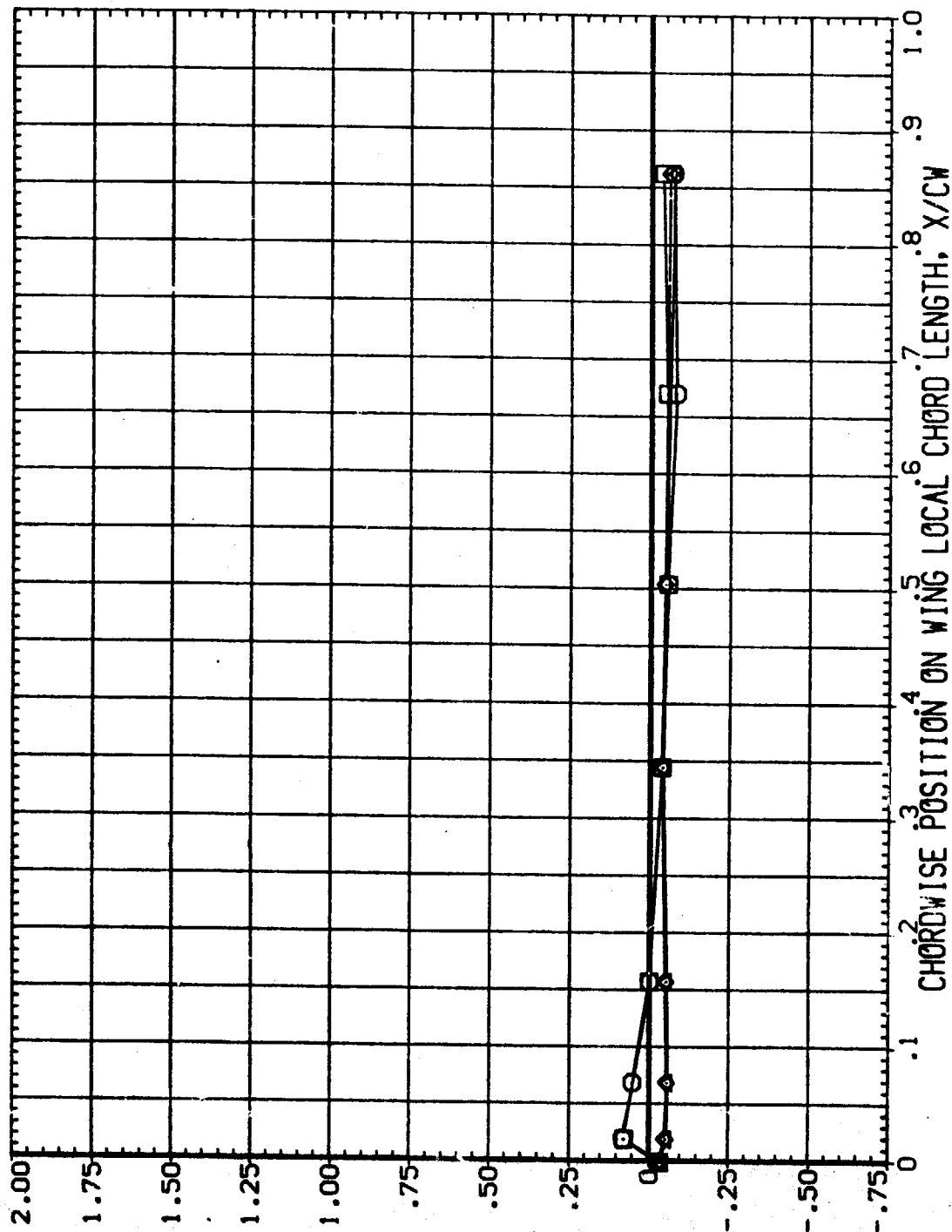


PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = -4.000 RETAO = .000 Y/BW = .887 PAGE 1572

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
{1ETU42}	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
{1ETU38}	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
{1ETL42}	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
{1ETL38}	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

ALPHA = -4.000 BETA = .000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU42)	ARC97-019 1A81 LVAPCALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 1A81 LVAPCALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(JETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

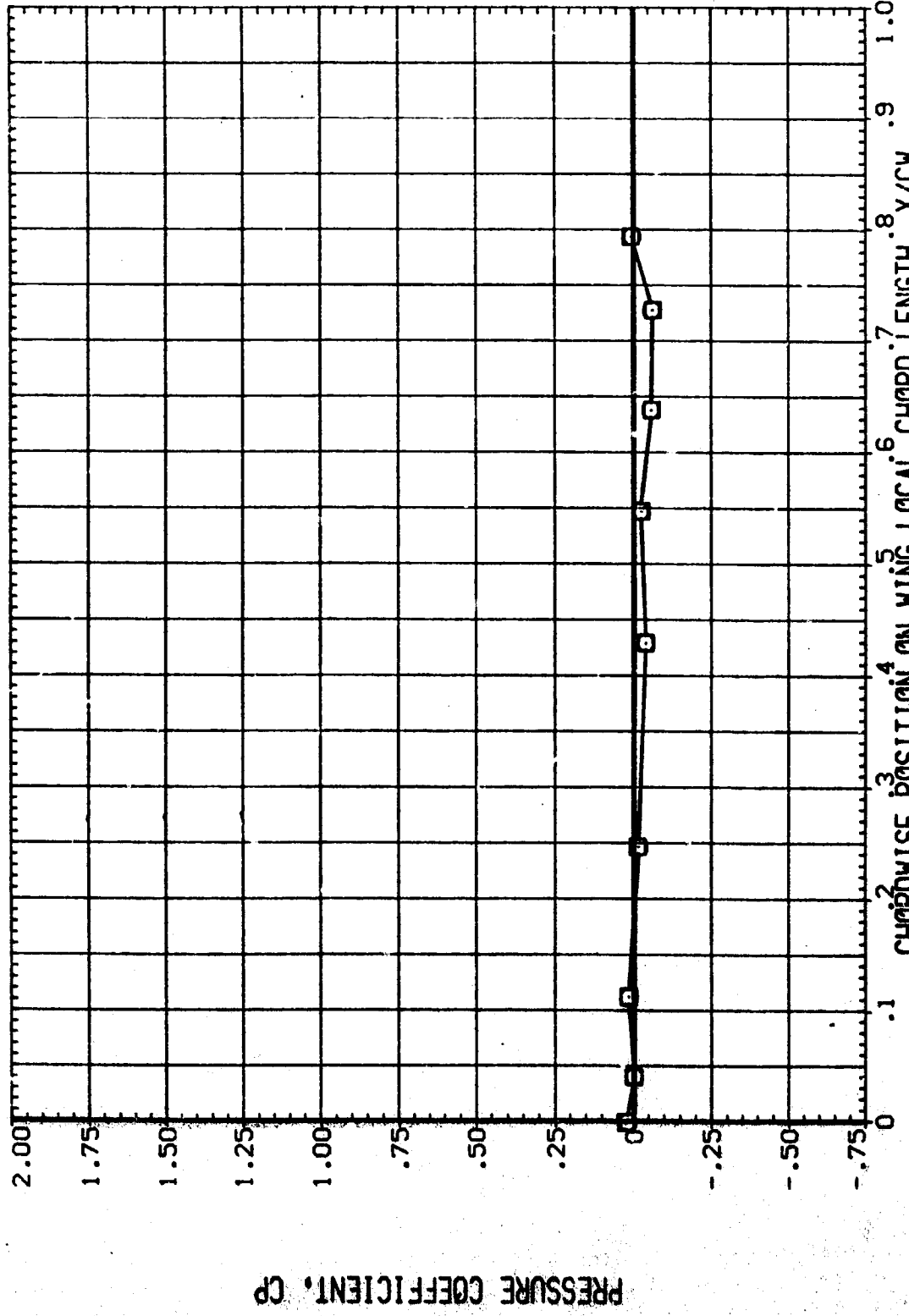


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

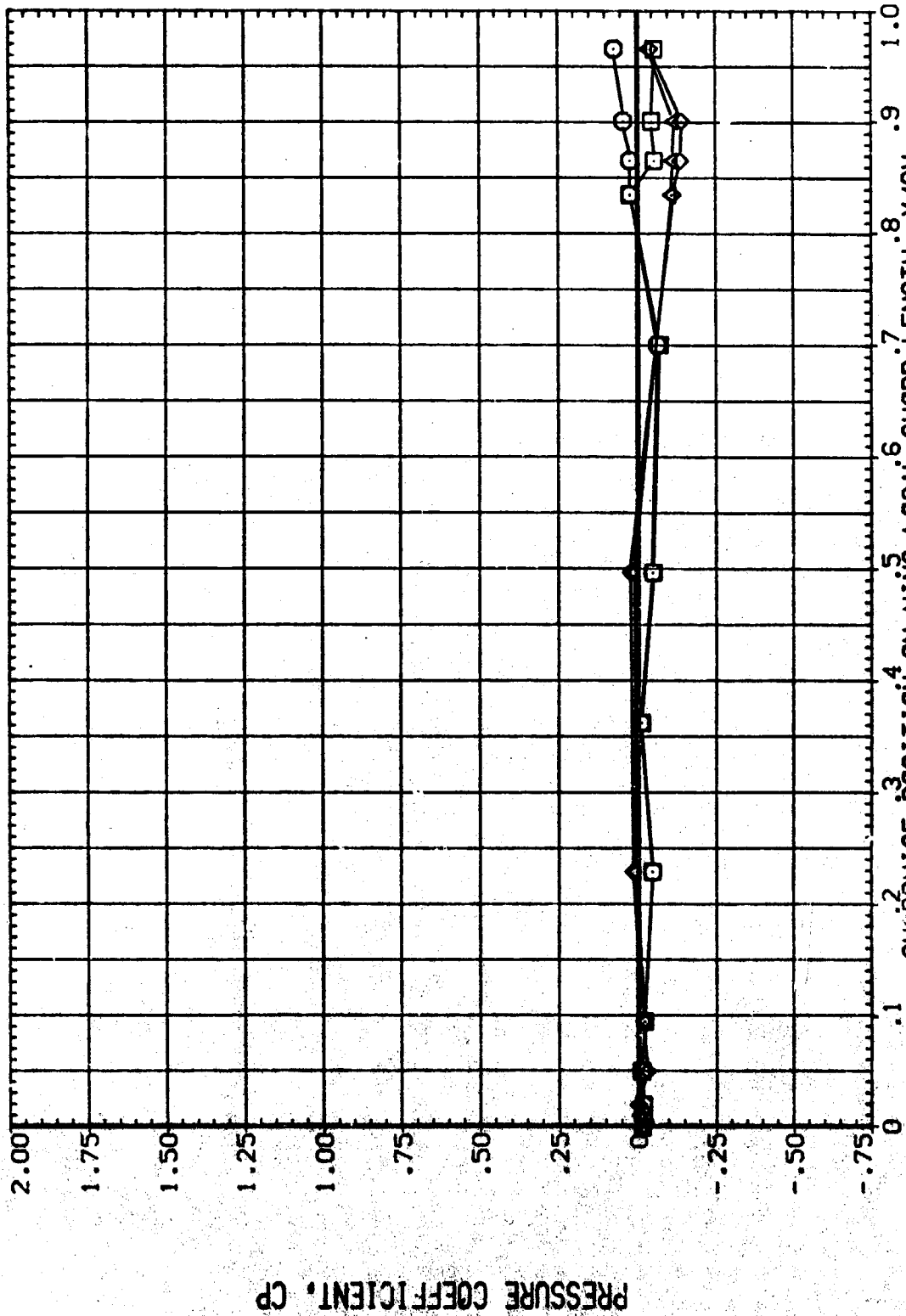


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .299

DATA SET SYMBOL CONF. ORIENTATION DESCRIPTION MACH ELV-1B RN/FT ELV-08

(IETU42)	ARC37-019	IAB1	LVAPICALLM SEALED)	2.500	.000	2.500	.000
(IETU28)	ARC37-019	IAB1	LVAPICALLM SEALED)	2.500	8.000	2.500	-4.000
(IETL42)	ARC37-019	IAB1	LVAPICALLM SEALED)	2.500	.000	2.500	.000
(IETL38)	ARC37-019	IAB1	LVAPICALLM SEALED)	2.500	8.000	2.500	-4.000

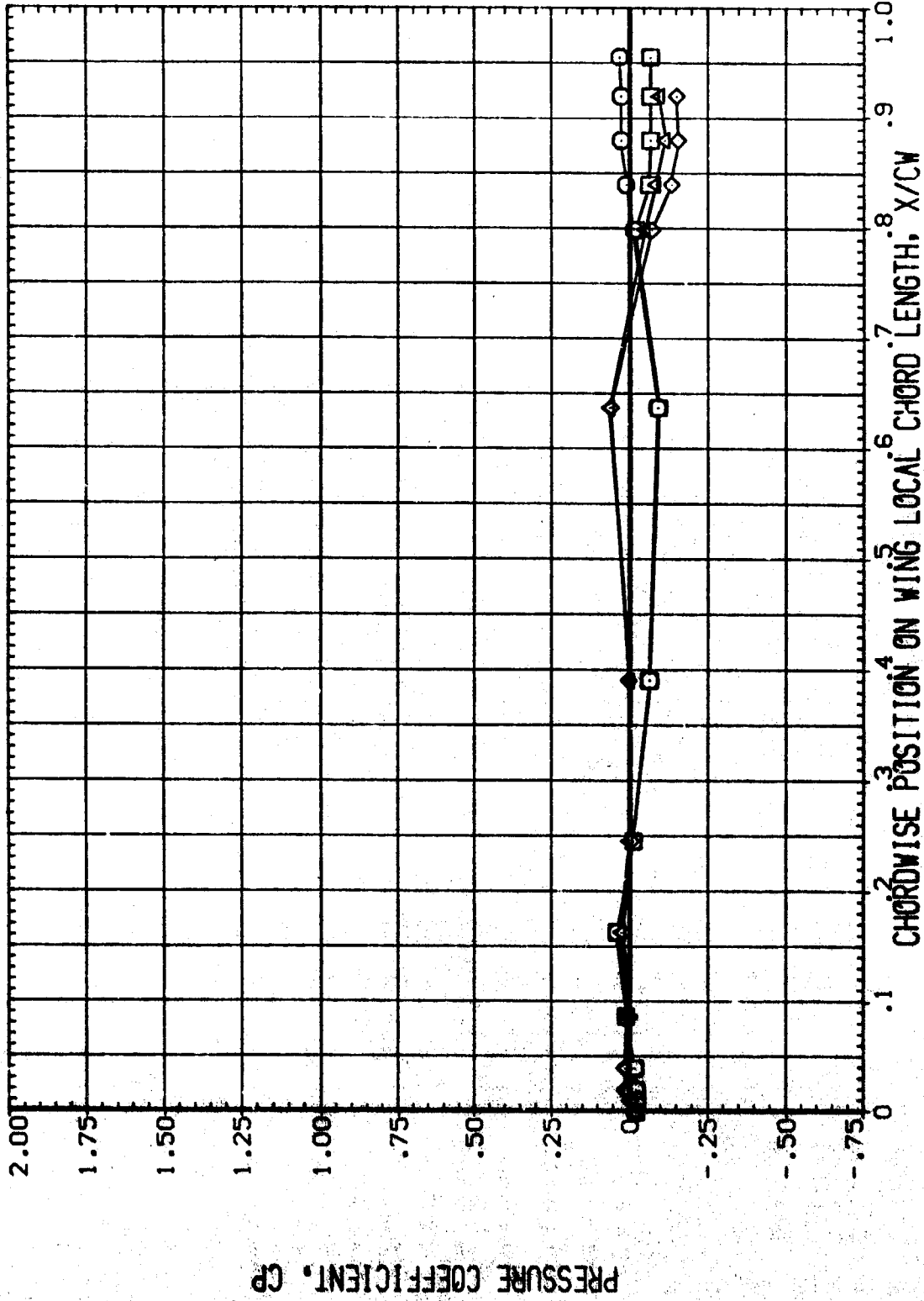


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .364 PAGE 1576

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU26)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

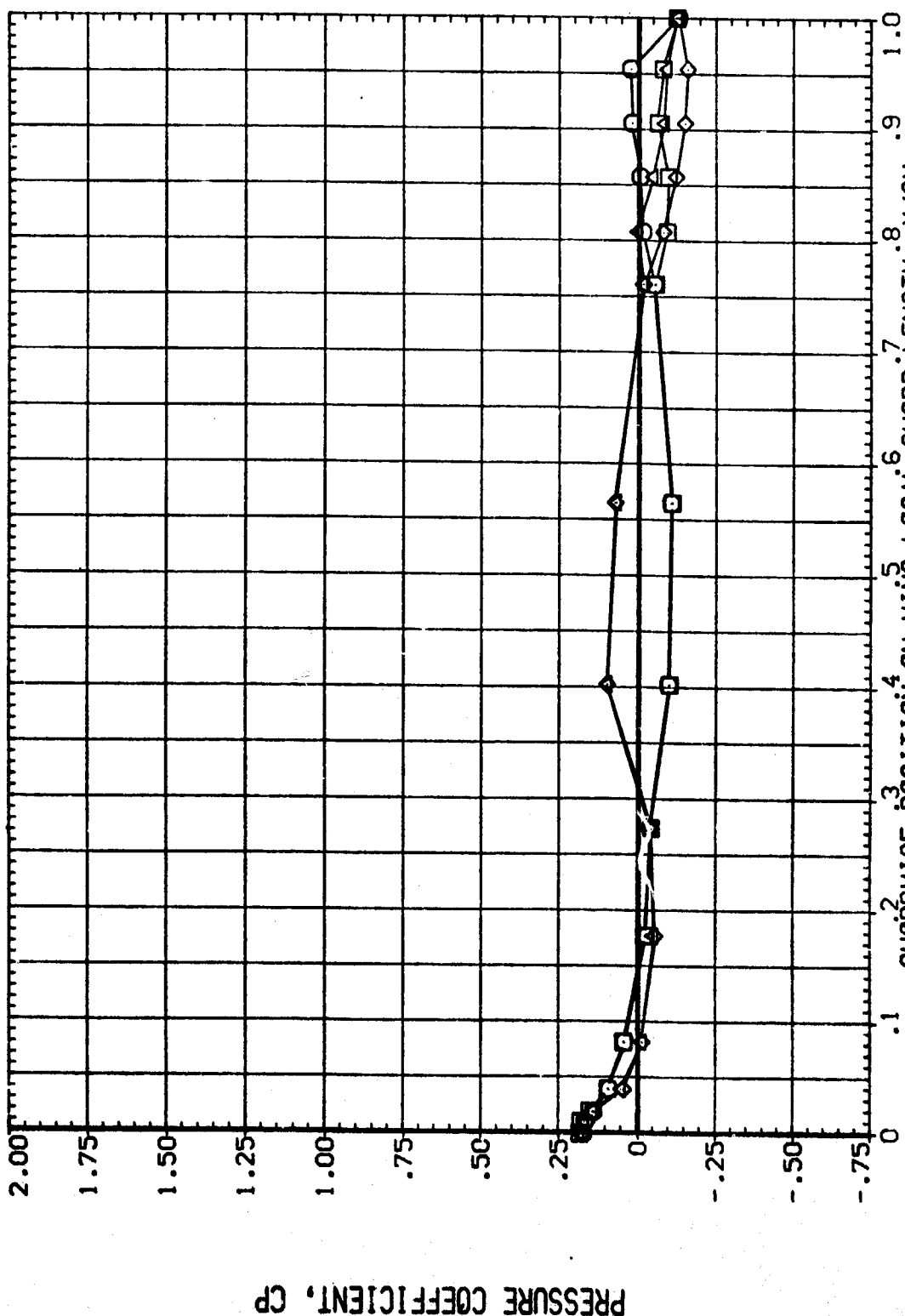


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.50

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU98)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

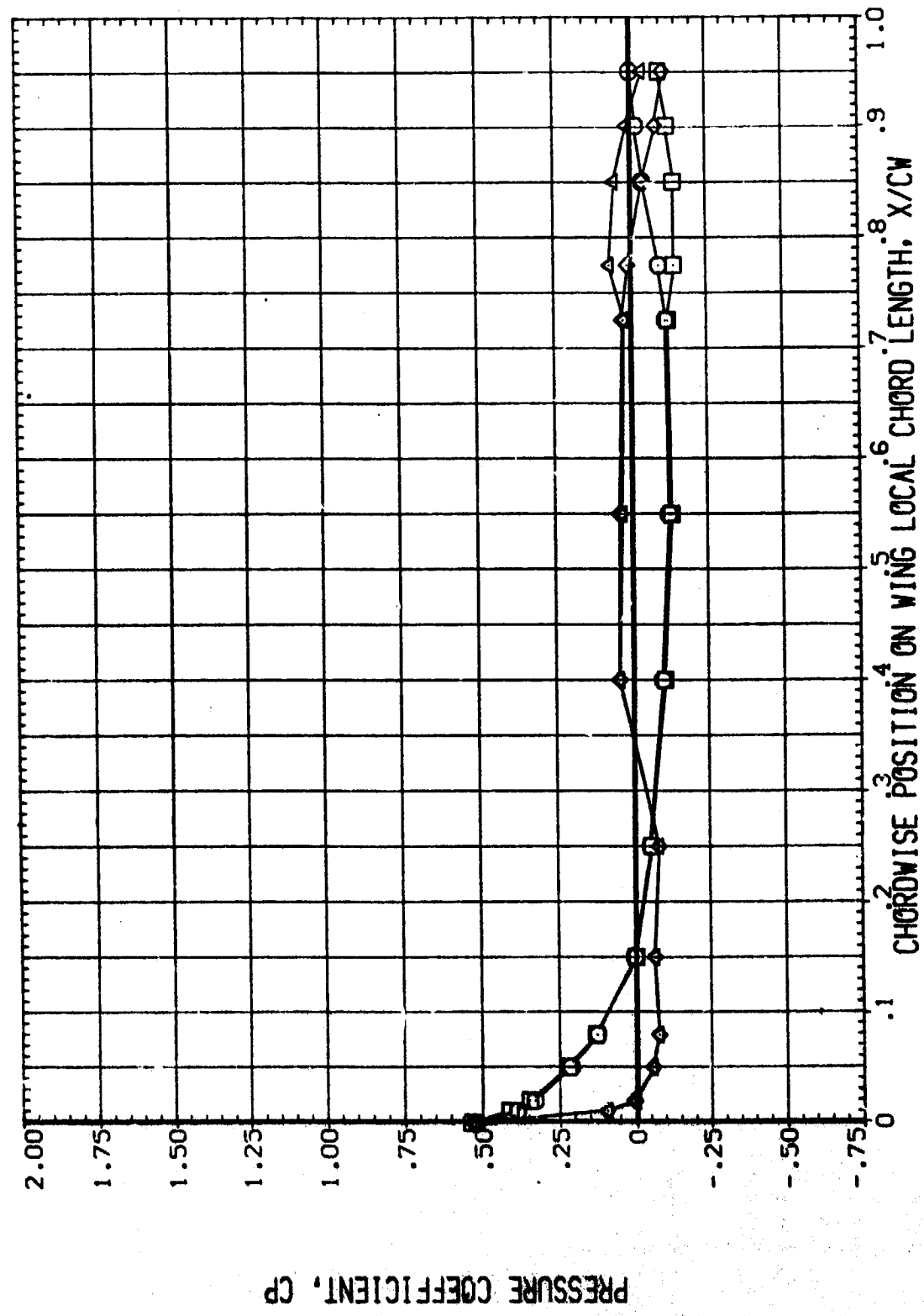


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = -4.000 BETA = 4.000 Y/BW = .534 PAGE 1578

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 (A8) LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 (A8) LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 (A8) LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 (A8) LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000

LEFT WING TOP
LEFT WING BOT.
LEFT WING BOT.

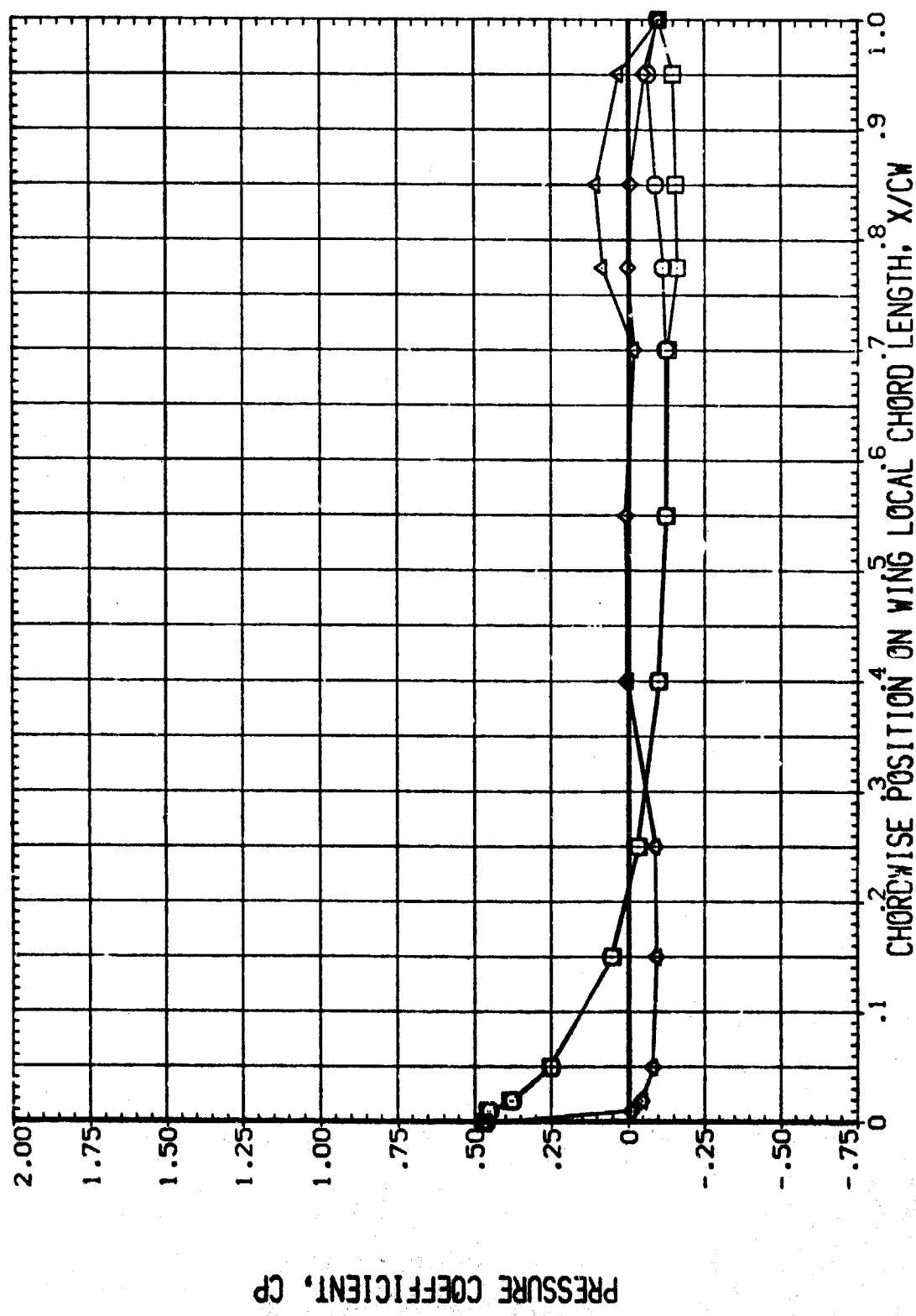


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
ALPHA = -4.000 BETA = 4.000 Y/BW = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-08
 (IETU42) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (IETU38) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (IETL42) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT. 2.500 .000 2.500 .000
 (IETL38) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

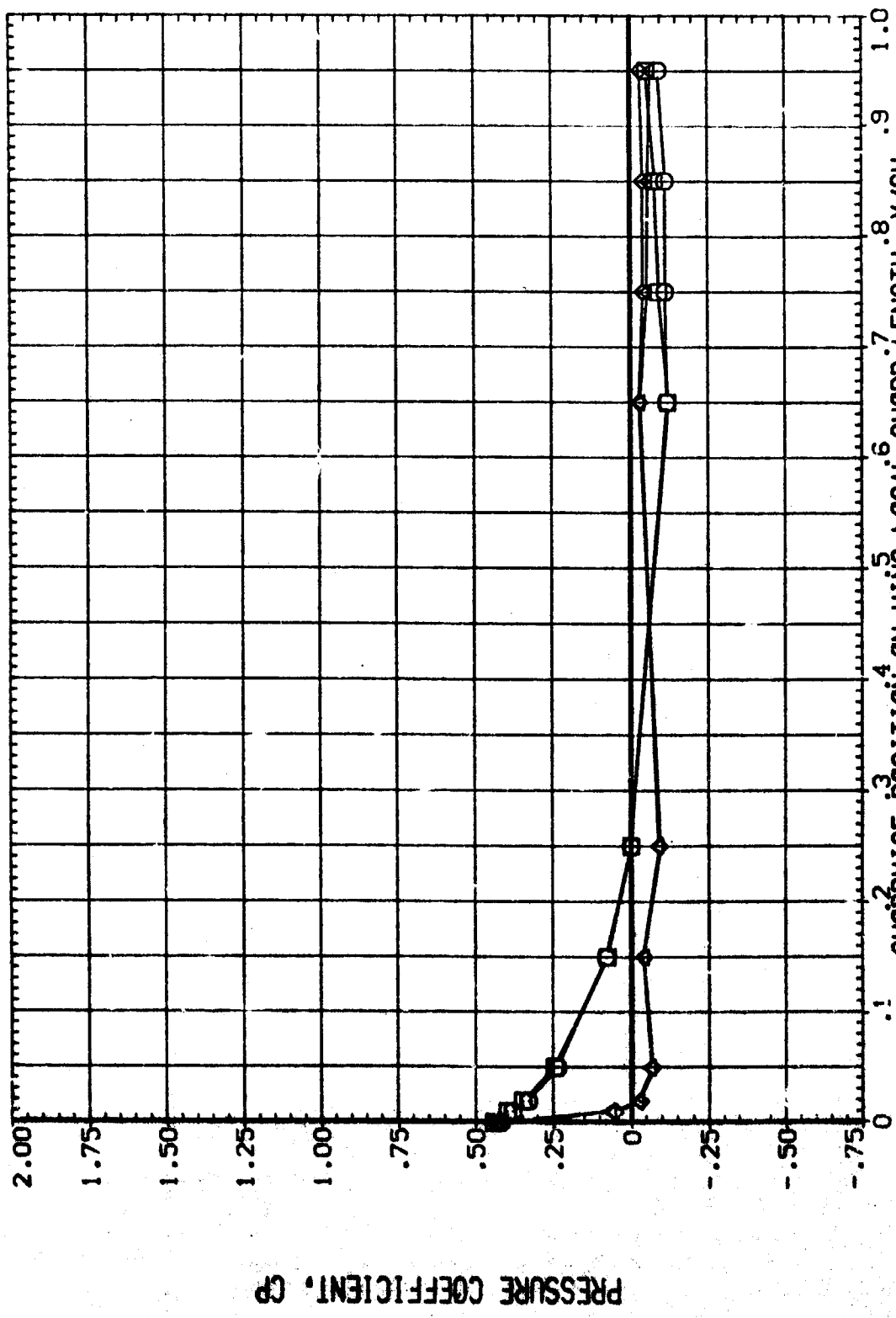
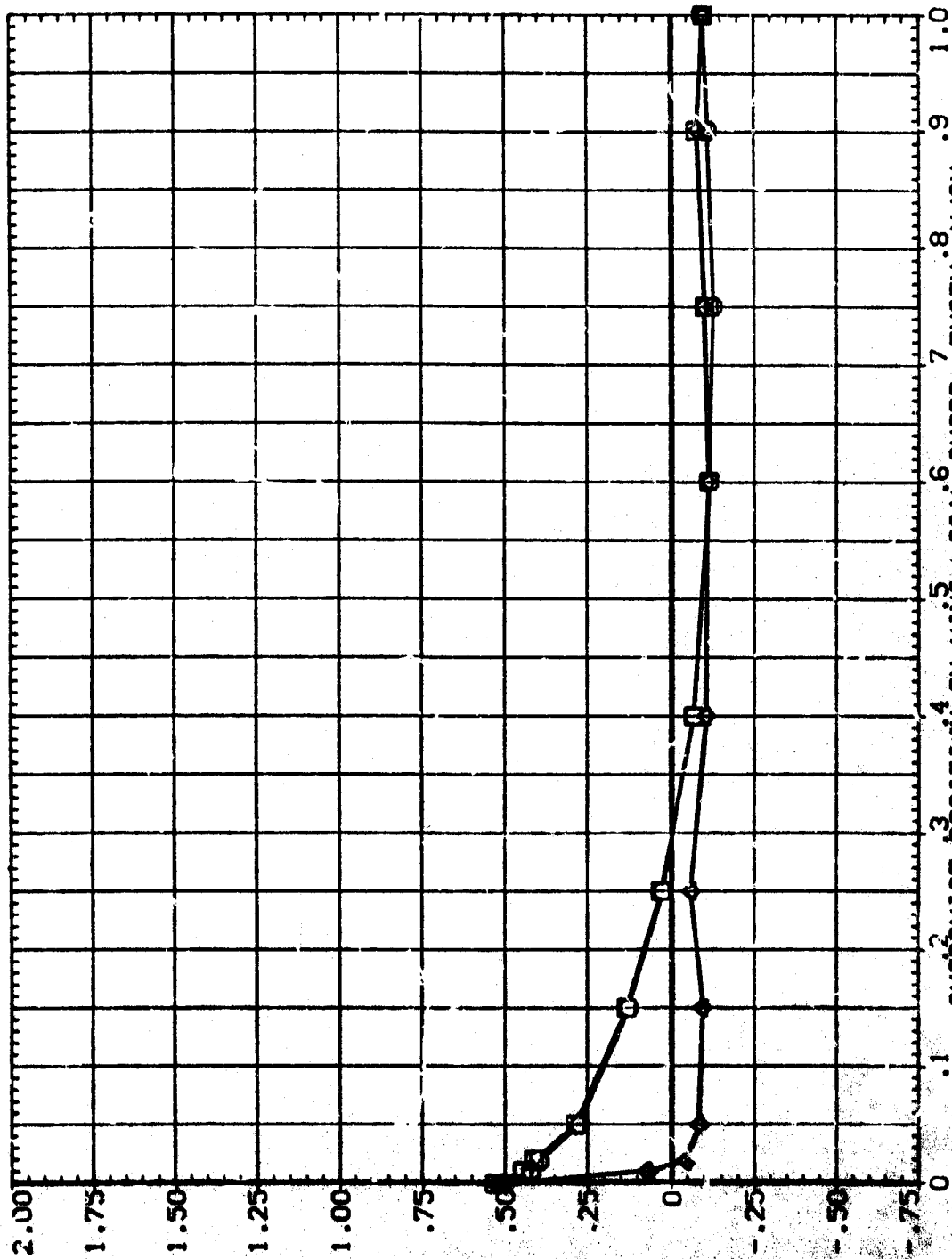


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA= -4.000 BETA= 4.000 Y/BW = .780 PAGE 1580

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DATA SET SYMOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(HETU02)	ARC57-019 1A81 LVAP(ALL-L SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(HETU03)	ARC57-019 1A81 LVAP(ALL-L SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(HETU04)	ARC57-019 1A81 LVAP(ALL-L SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(HETU05)	ARC57-019 1A81 LVAP(ALL-L SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(STU42)	ARC97-019 (A81) LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	AUC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 (A81) LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 (A81) LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

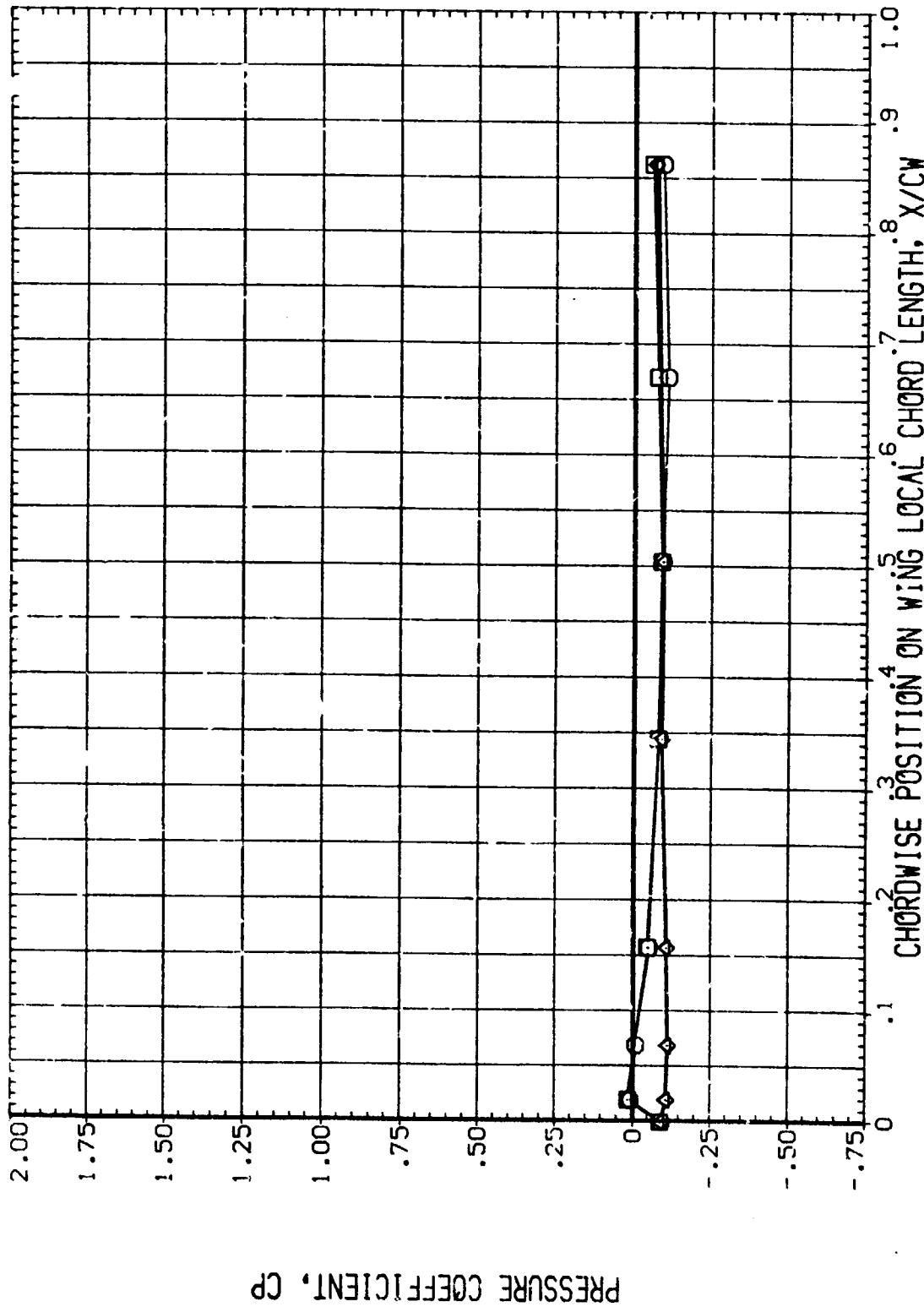


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA0 = -4.000 BETA0 = 4.000 Y/BW = .972 PAGE 1582

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(JETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(JETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

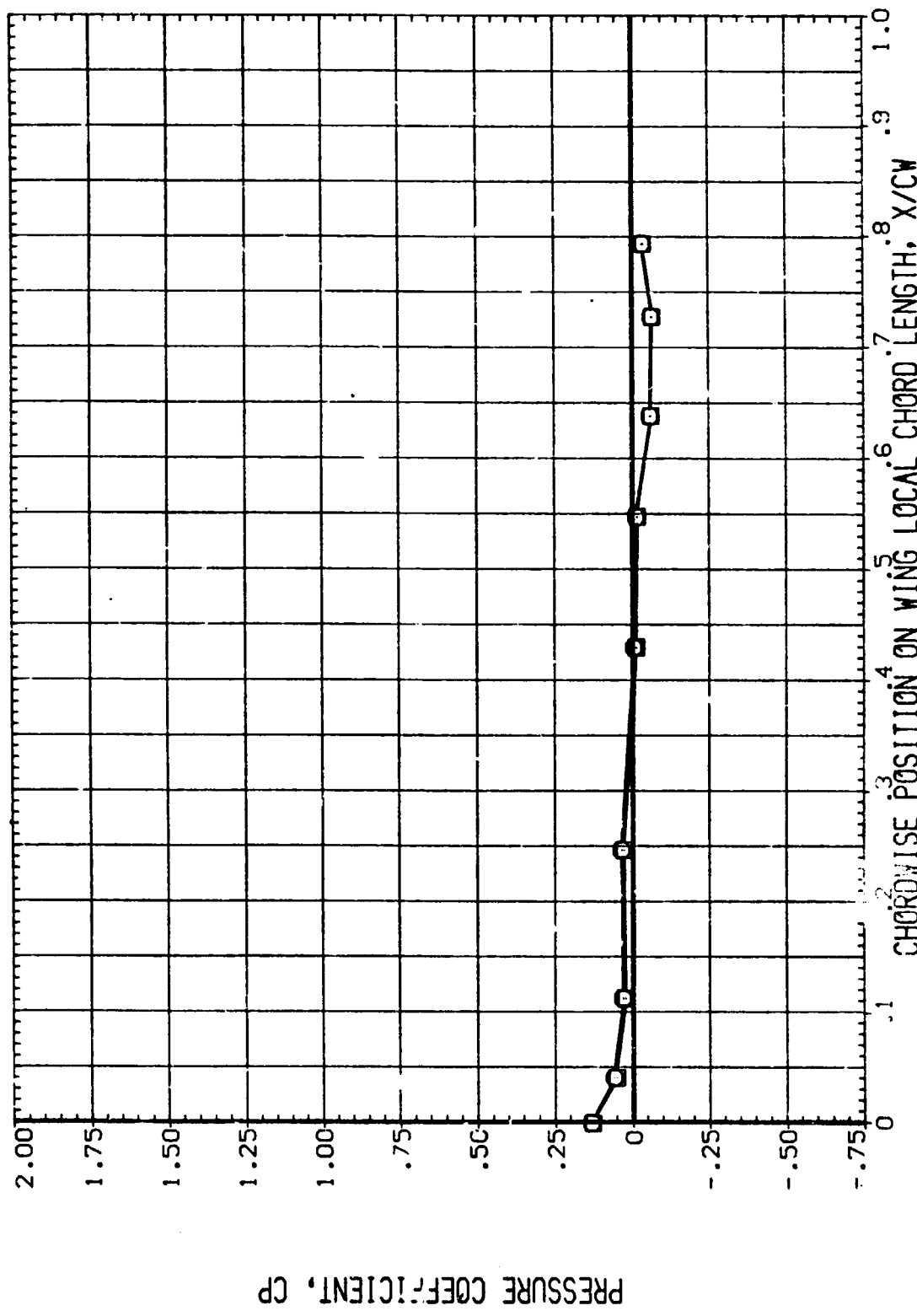
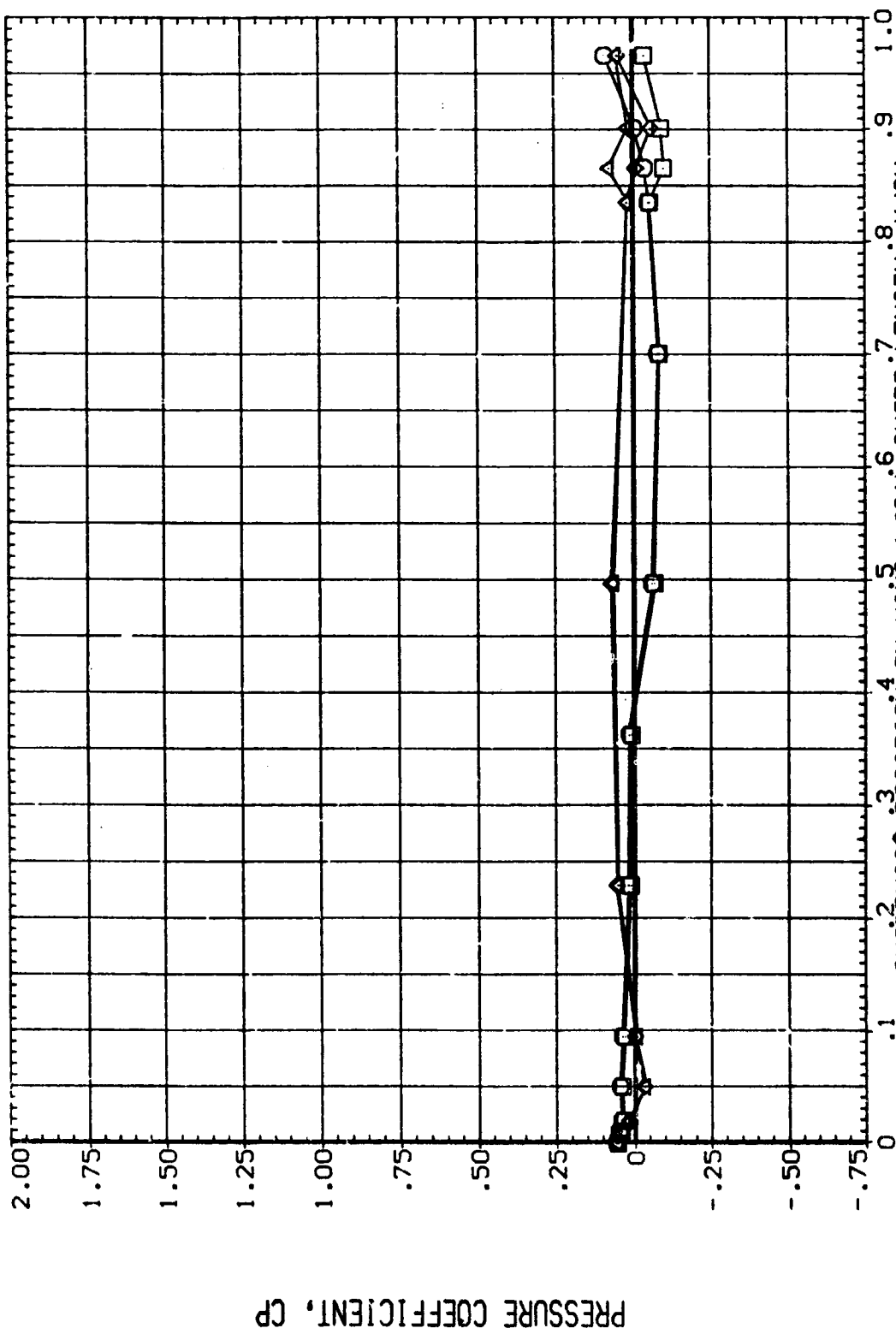


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = .000 BETA0 = -6.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

ALPHA0 = .000 BETA0 = -6.000 Y/BW = .299 PAGE 1584

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

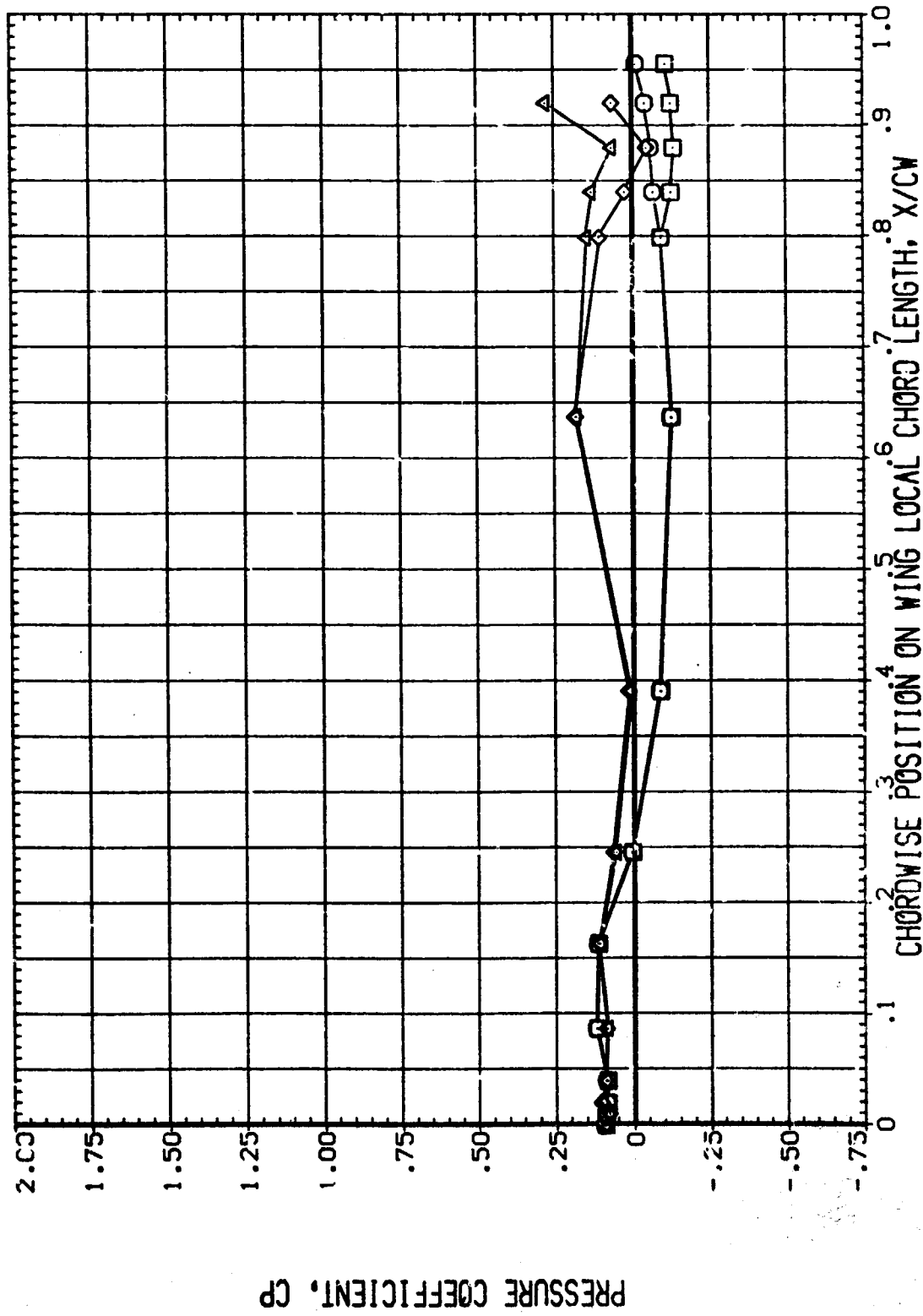


FIG. 63 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

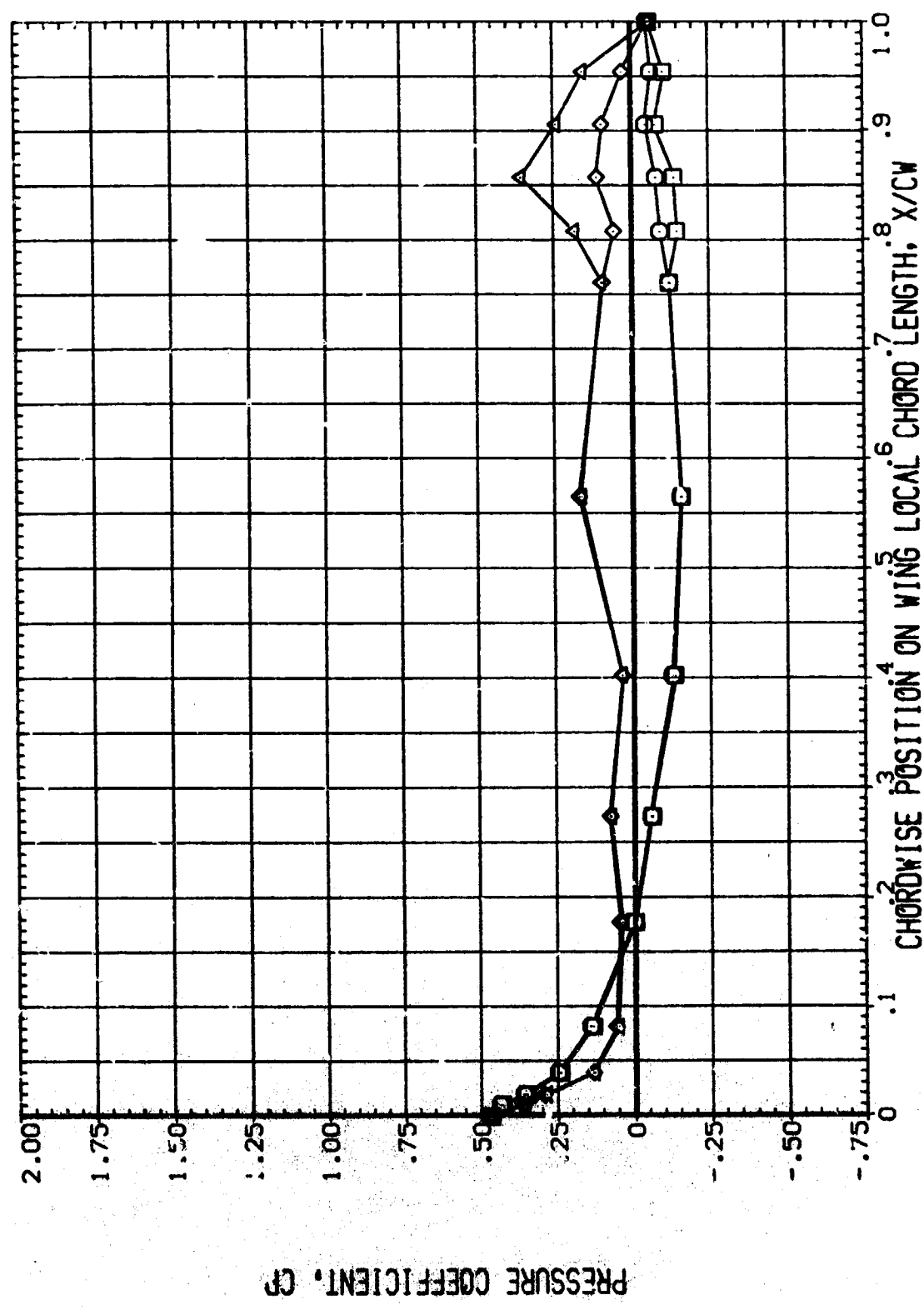
DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-08

(IETU42) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(IETU38) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000

(IETL42) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.500 .000 2.500 .000

(IETL38) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA= .000 BETA= -6.000 Y/BW = .427 PAGE 1586

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

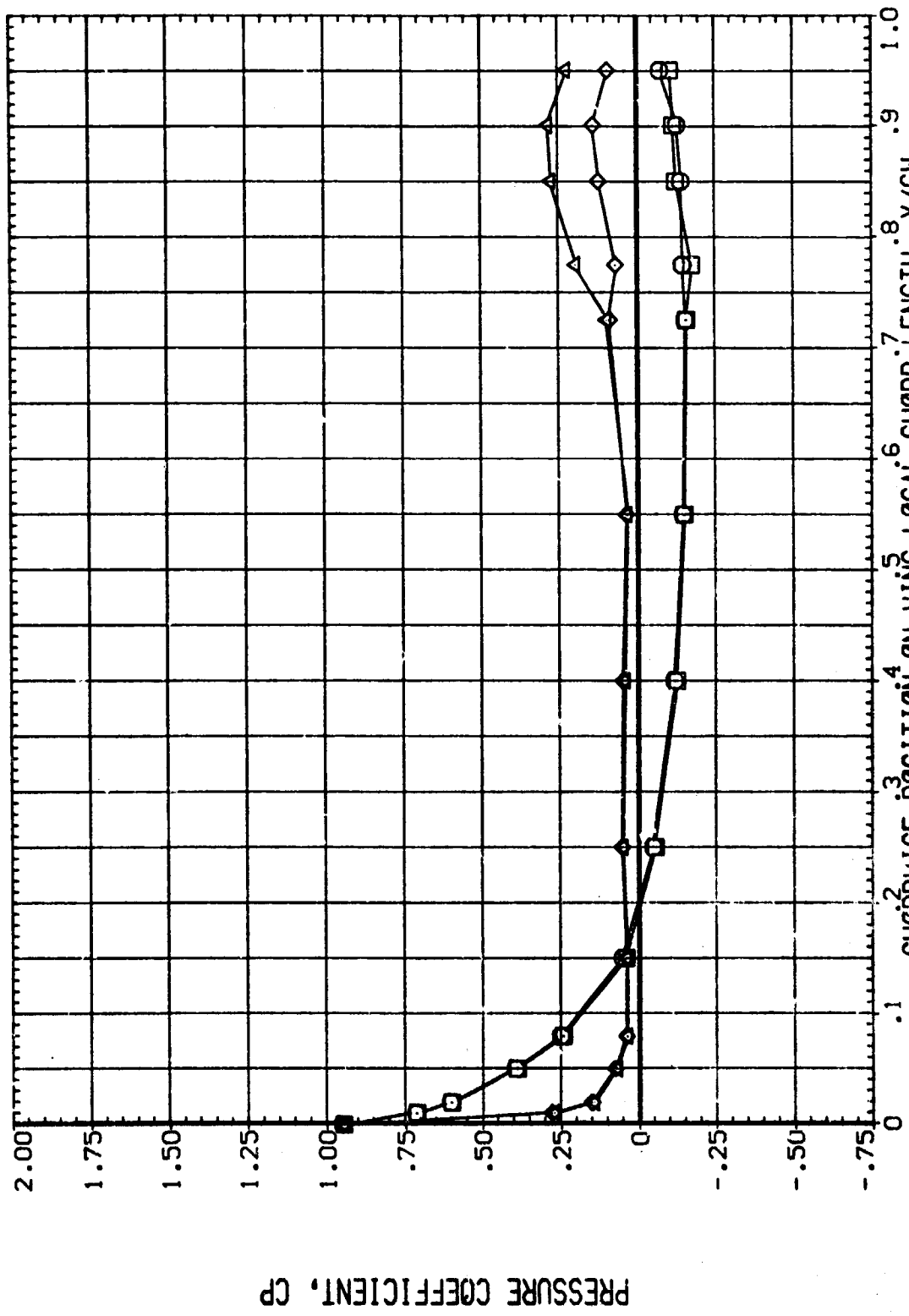


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA= .000 BETA= -6.000 Y/BW = .534
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL32)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

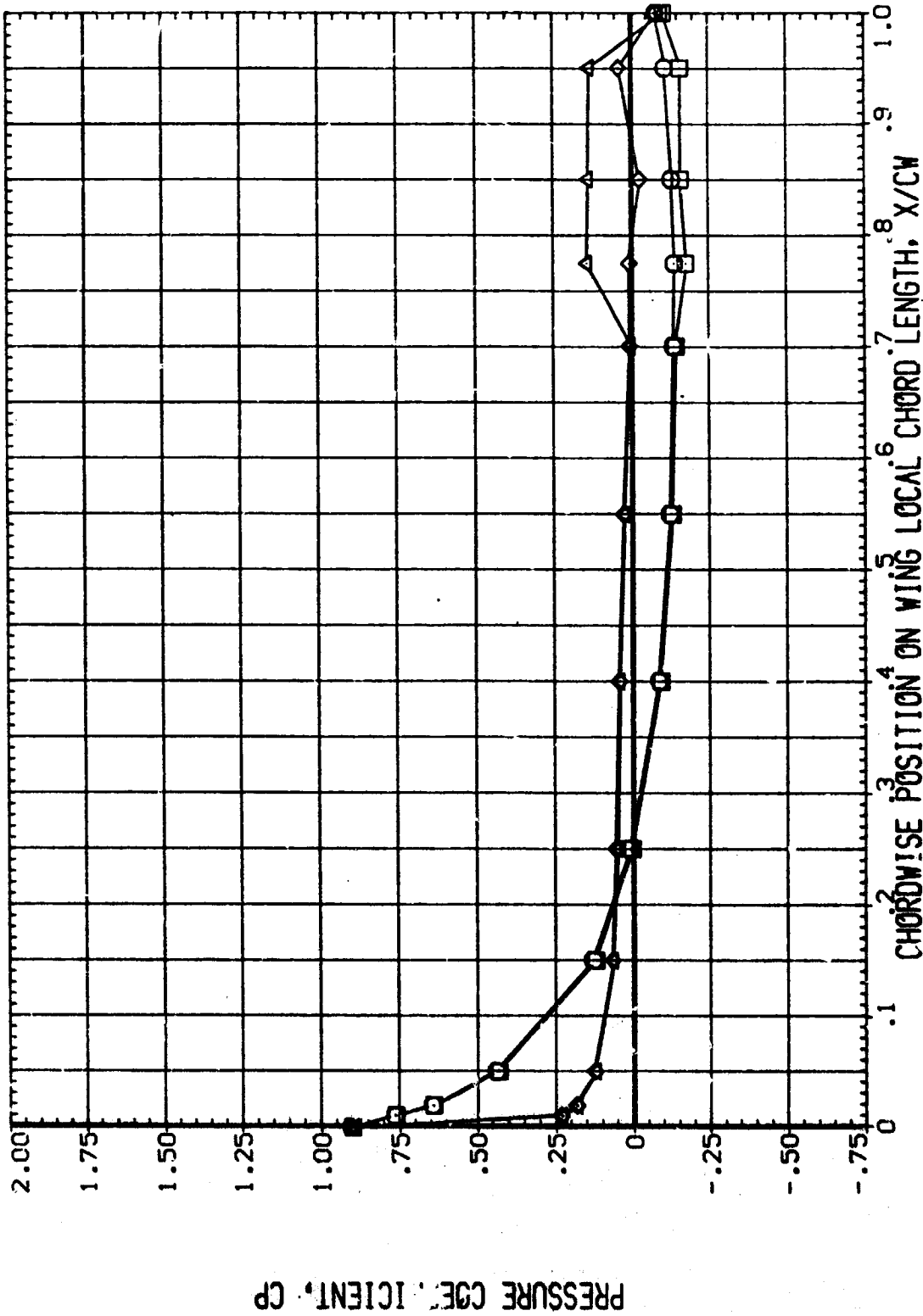


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETA0 = -6.000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(JETM2)	ARC97-019 IAB1 LVAP(CALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAP(CALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 IAB1 LVAP(CALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL36)	ARC97-019 IAB1 LVAP(CALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

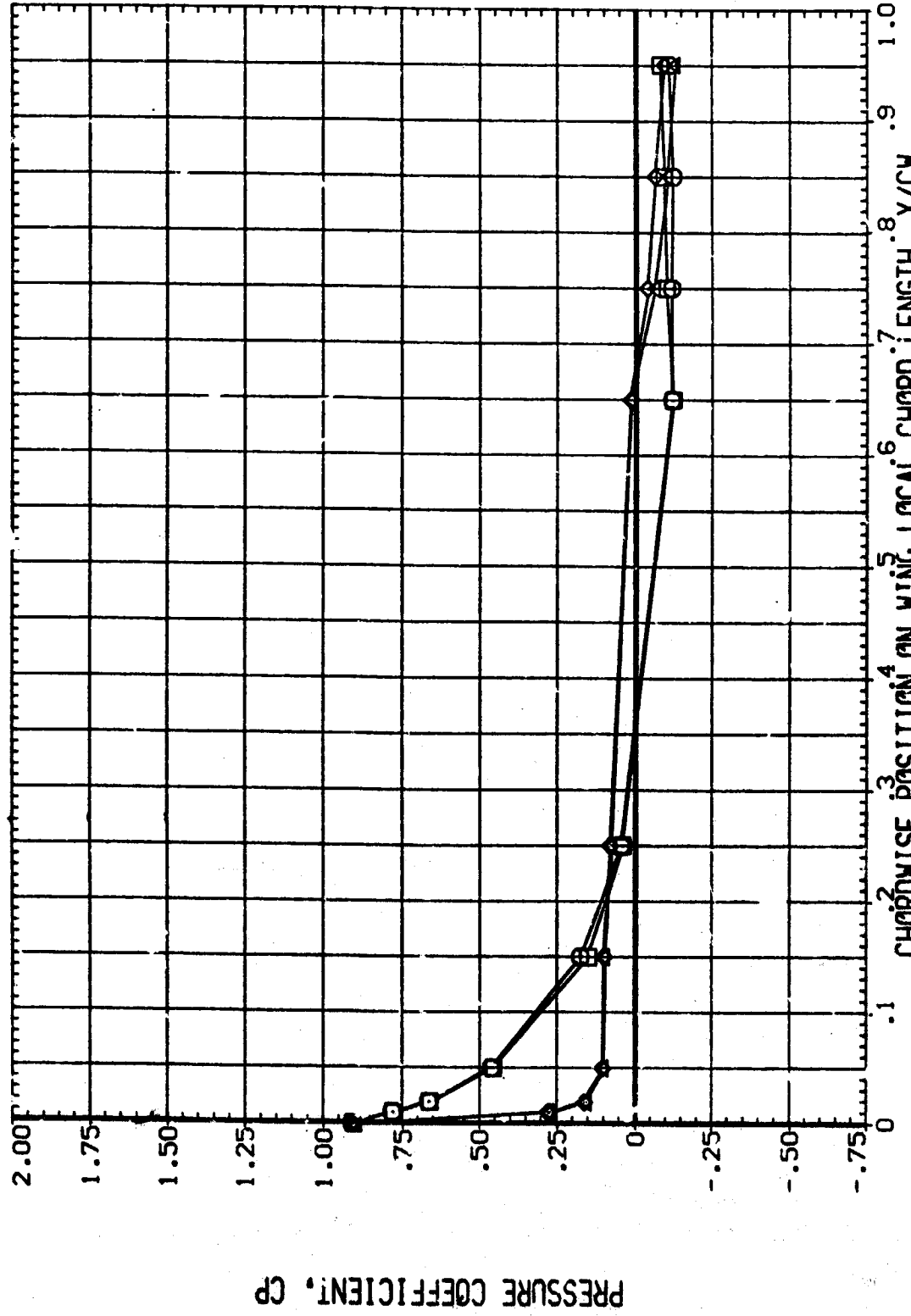


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0. MACH = 2.50
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

ALPHA = .000 BETA = -6.000 Y/BW = .780 PAGE 1589

DAY	SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IR	RN/FT	ELV-OB
(IETM2)	□	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	□	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	□	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	□	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

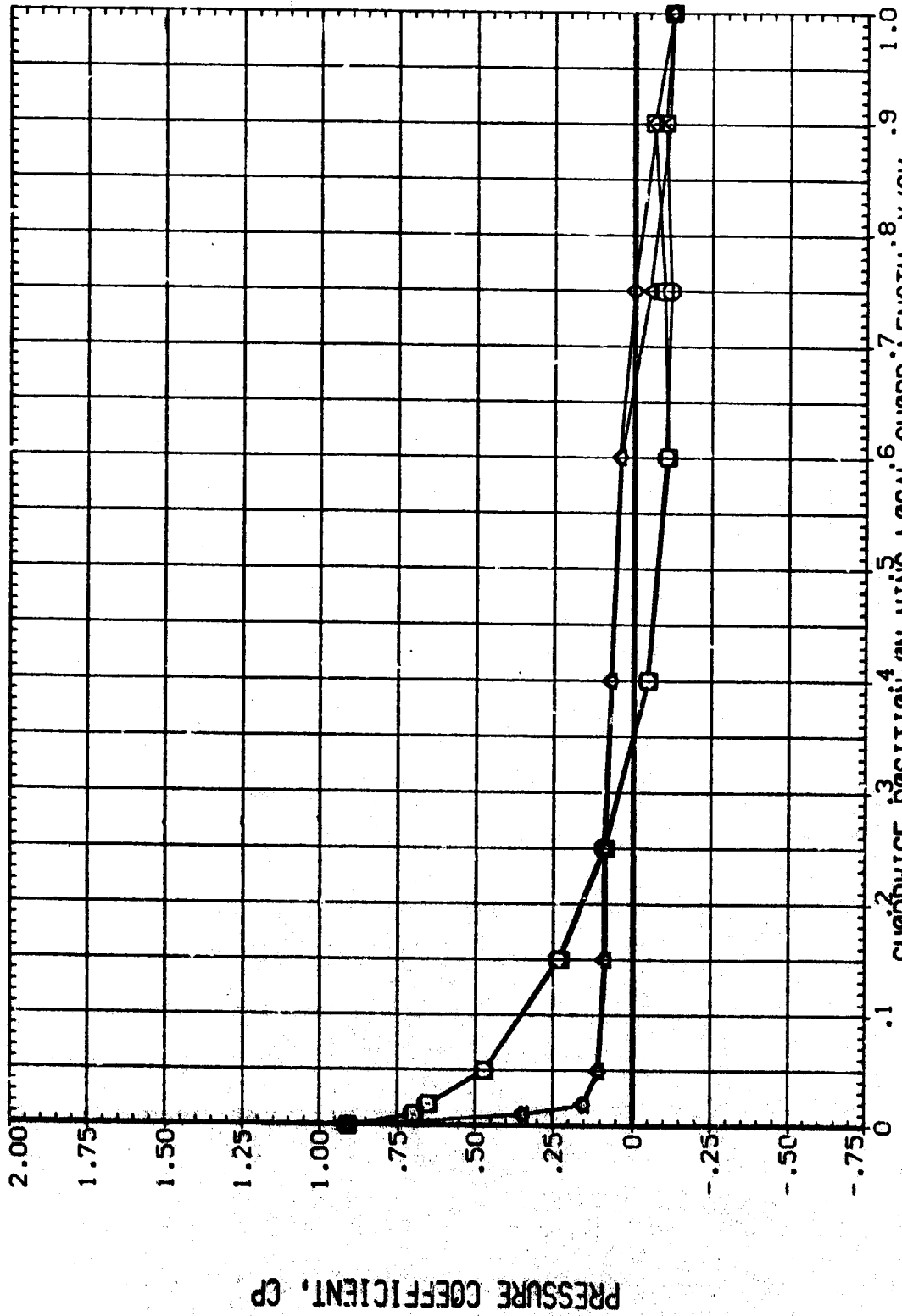


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.50

ALPHA0 = .000 BETA0 = -6.000 Y/BW = .887

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IETU42)	ARC97-019	IA81 LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(IETU38)	ARC97-019	IA81 LVAP(ALLHL SEALED)	2.500	6.000	2.500	-4.000
(IETL42)	ARC97-019	IA81 LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(IETL38)	ARC97-019	IA81 LVAP(ALLHL SEALED)	2.500	6.000	2.500	-4.000

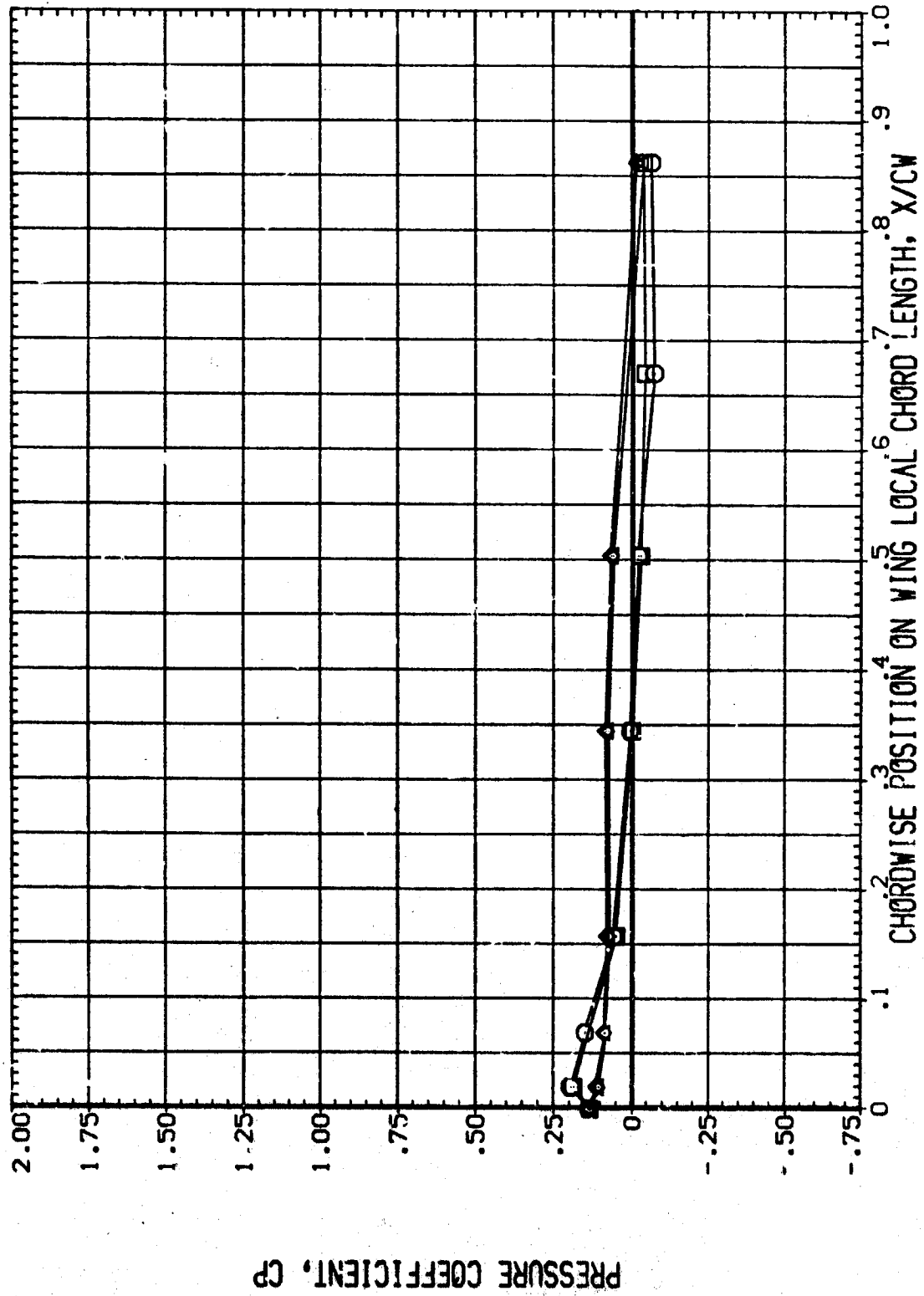


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.50

ALPHA = .000 BETA = -6.000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(JETM2)	ARC37-019 1A81 LVAP(ALLH SEALED)	LEFT WING TOP	MACH	ELV-1B	RN/FT	ELV-08
(JETU38)	ARC97-019 1A81 LVAP(ALLH SEALED)	LEFT WING TOP	2.500	.000	2.500	.000
(JETL42)	DATA NOT AVAILABLE		2.500	8.000	2.500	-4.000
(JETL38)	DATA NOT AVAILABLE		2.500	.000	2.500	.000
			2.500	8.000	2.500	-4.000

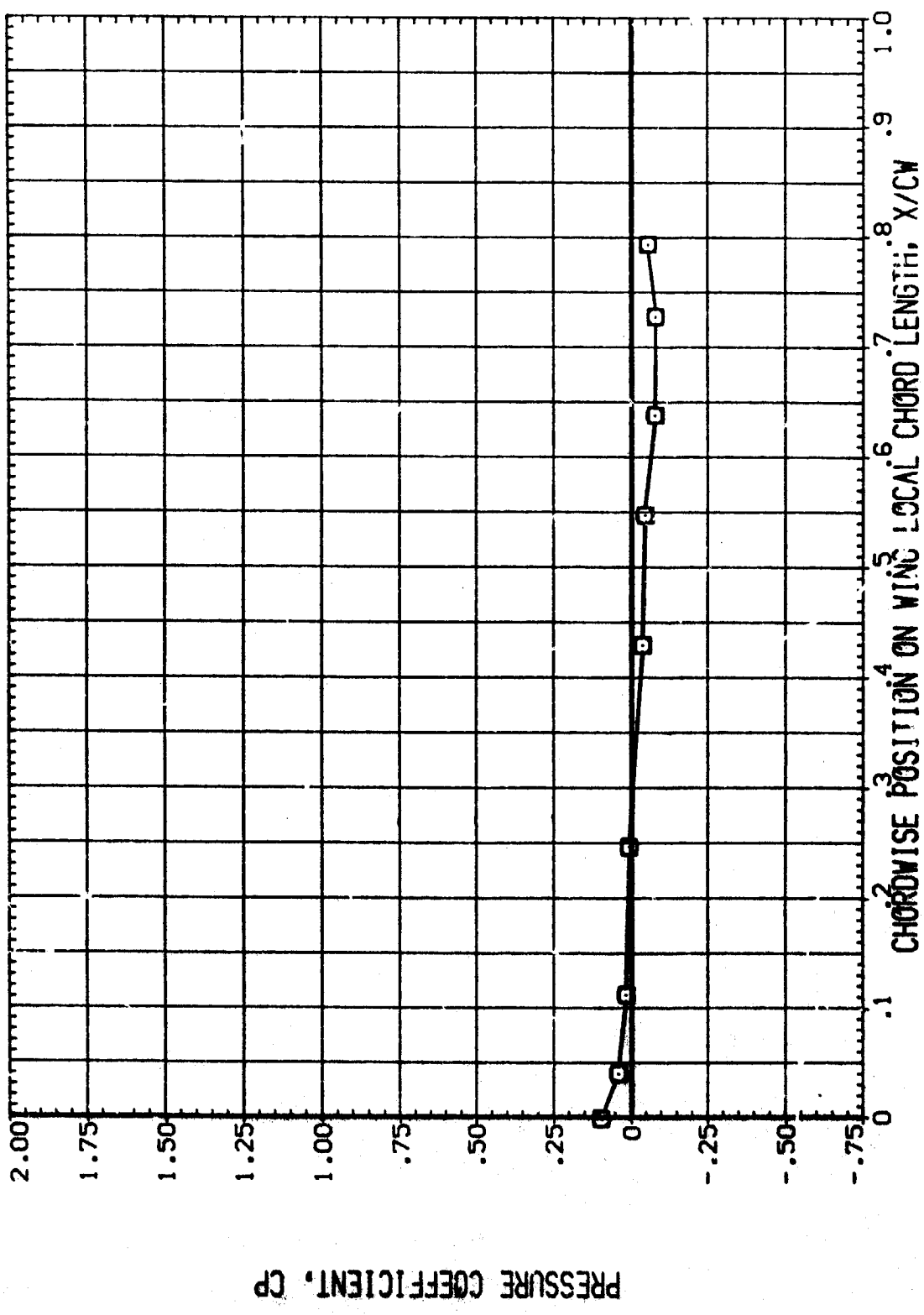


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = .000 BETA = -4.000 Y/BW = .235 PAGE 1592

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELY-1B	RN/FT	ELY-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLH SEALED)	2.500	.000	2.500	.000
(IETU28)	ARC97-019 IAB1 LVAP(ALLH SEALED)	2.500	8.000	2.500	-4.000
(IETU42)	ARC97-019 IAB1 LVAP(ALLH SEALED)	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLH SEALED)	2.500	8.000	2.500	-4.000

□ LEFT WING TOP
 ○ LEFT WING BOT.
 △ LEFT WING BOT.

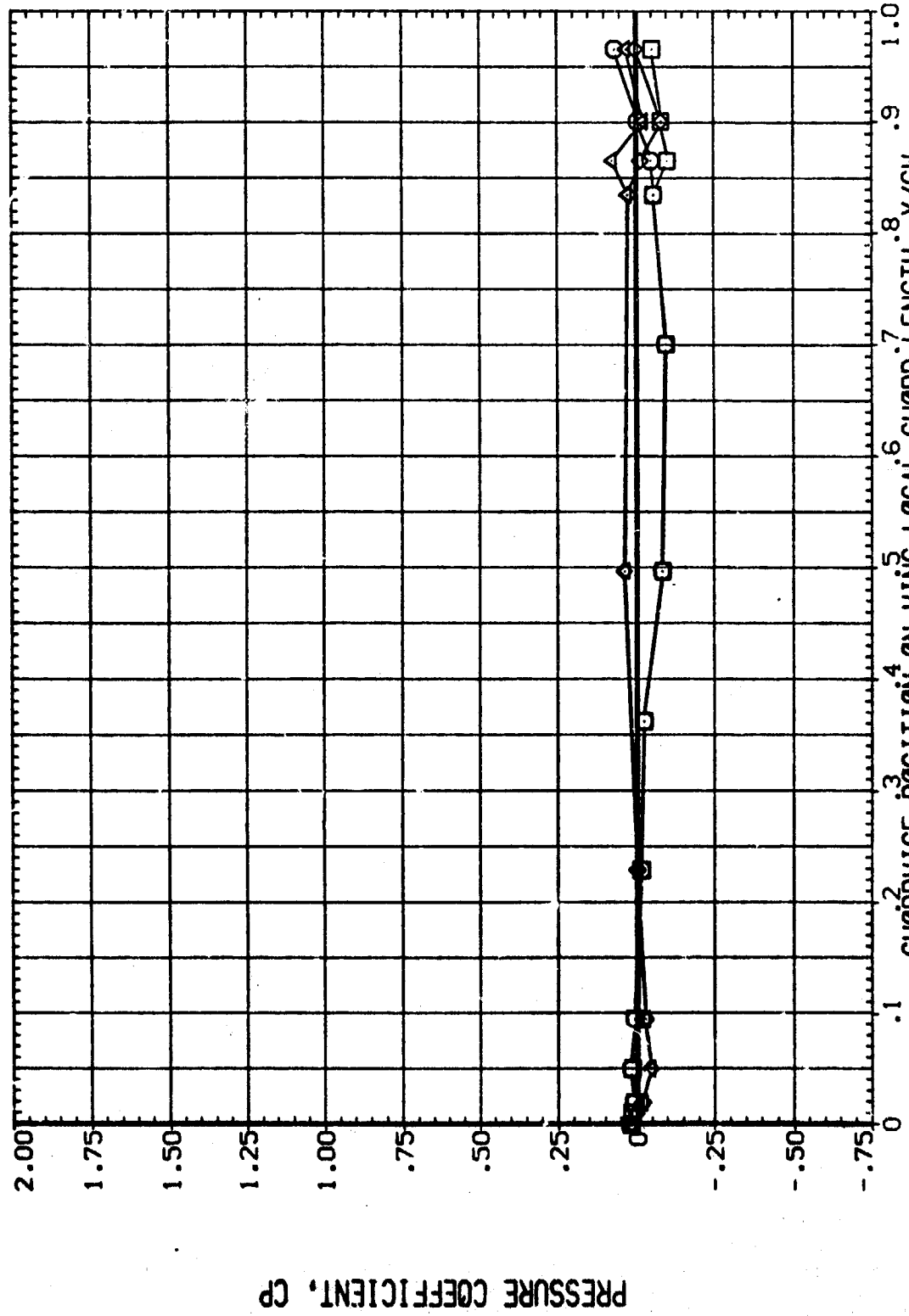


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA= .000 BETA= -4.000 Y/BW = .299 PAGE 1593

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETM2)	ARC97-019 IAB1 LVAP(ALLM SE'LED)	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLM SE'LED)	2.500	8.000	2.500	-4.000
(IETIL47)	ARC97-019 IAB1 LVAP(ALLM SE'LED)	2.500	.000	2.500	.000
(IETV.58)	ARC97-019 IAB1 LVAP(ALLM SE'LED)	2.500	8.000	2.500	-4.000

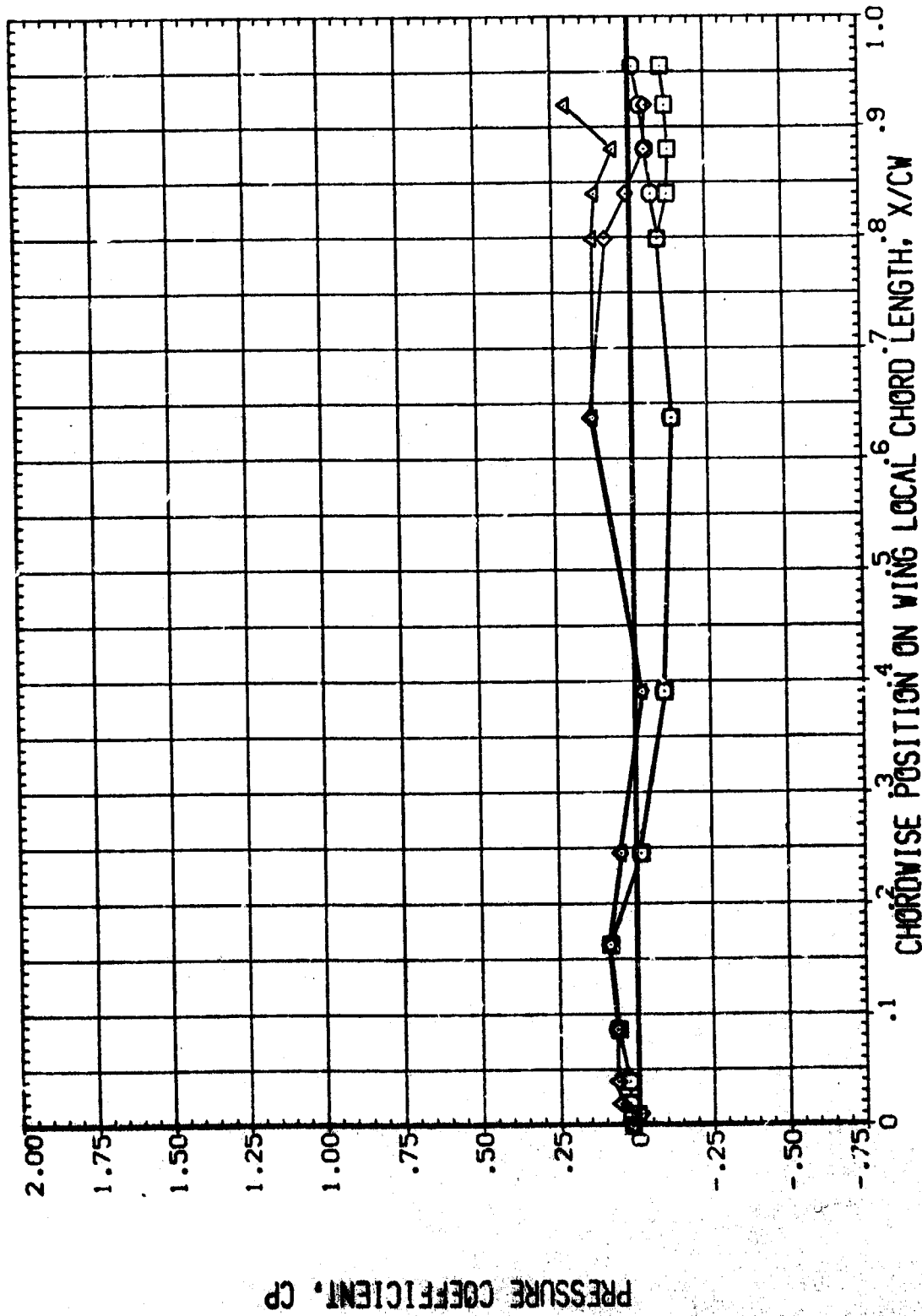


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.50

ALPHA0 = .000 BETA0 = -4.000 Y/BW = .364

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-38

(1ETU4C) ARC97-019 |A81 LVAP(ALLM SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(1ETU4B) APC97-019 |A81 LVAP(ALLM SEALED) LEFT WING TOP 2.500 0.000 2.500 -4.000

(1ETU42) ARC97-019 |A81 LVAP(ALLM SEALED) LEFT WING BOT. 2.500 0.000 2.500 .000

(1ETU38) ARC97-019 |A81 LVAP(ALLM SEALED) LEFT WING BOT. 2.500 0.000 2.500 -4.000

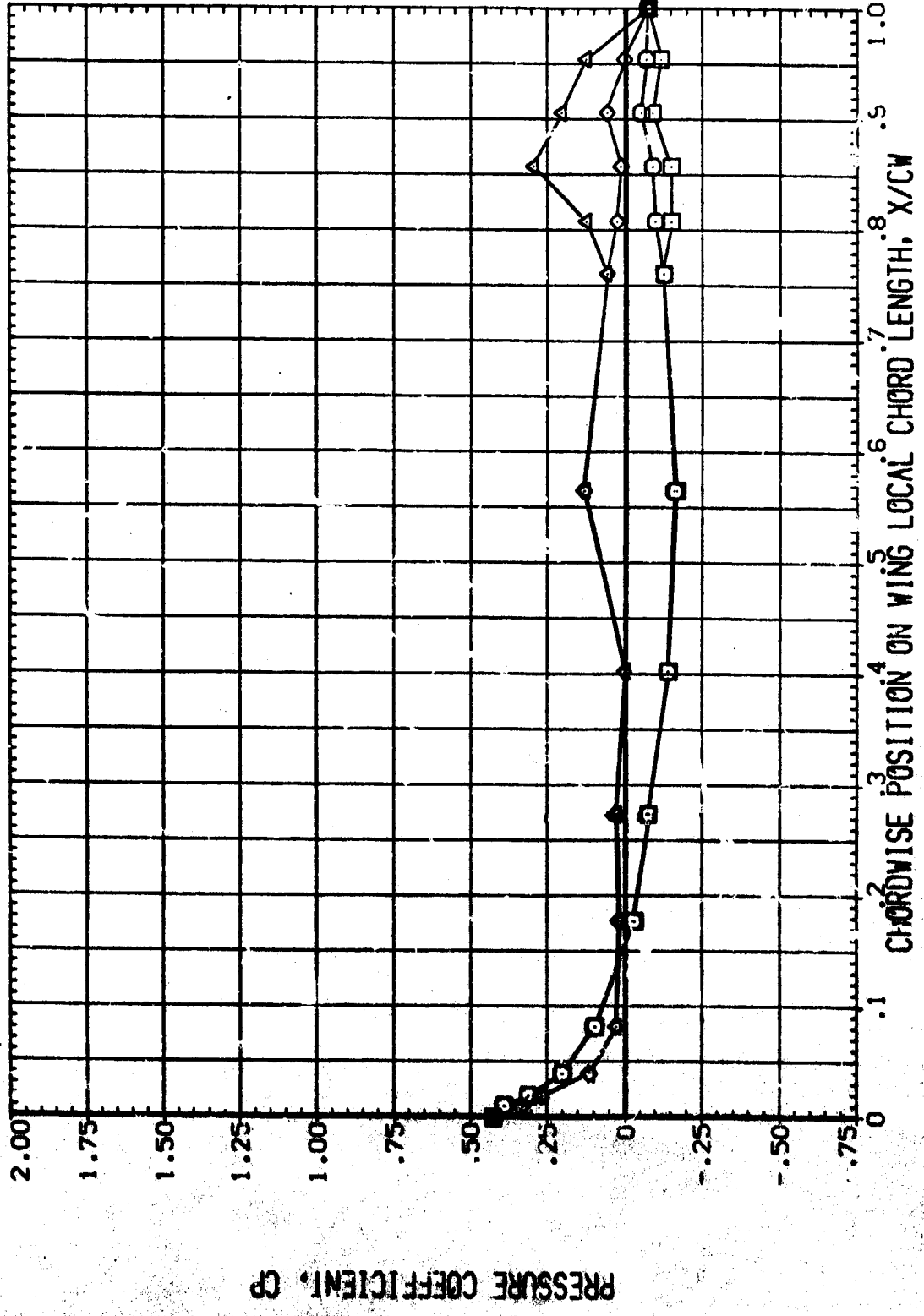


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA = .000 BETA = -4.000 Y/BW = .427 PAGE 1595

C-10

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU42)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IA81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

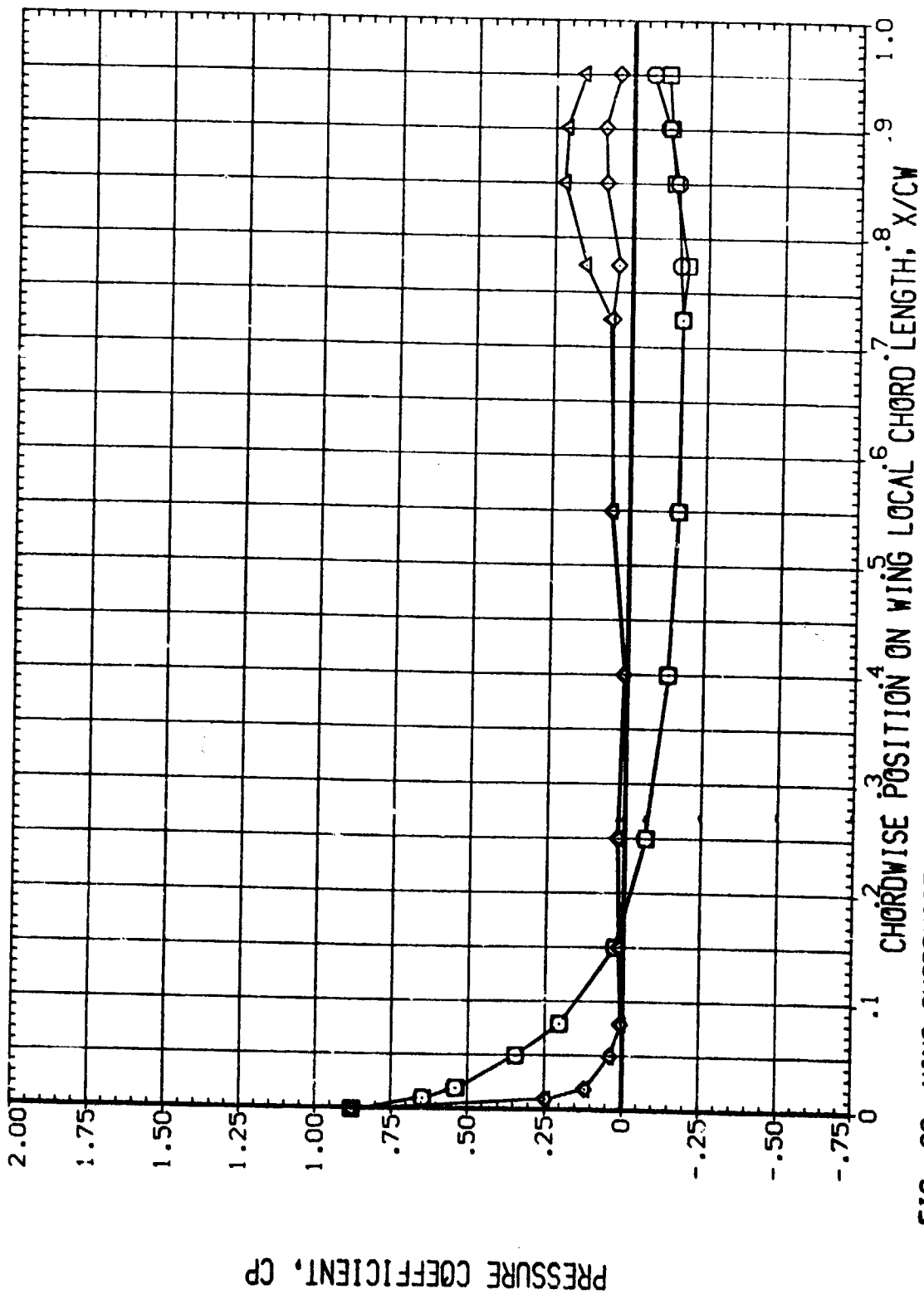


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0, MACH = 2.50
 ALPHA = .000 BETA = -4.000 Y/BW = .534 PAGE 1596

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

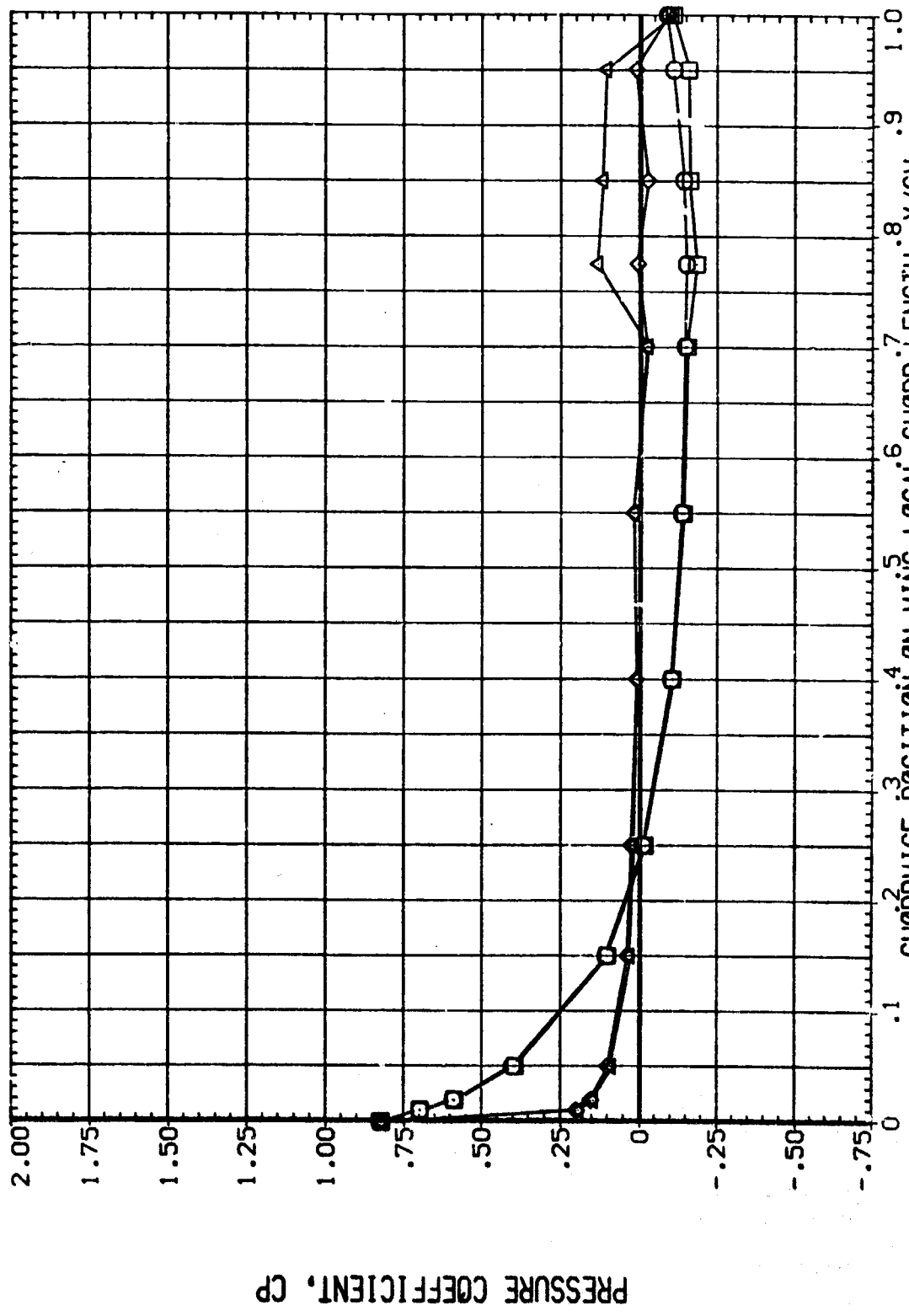


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .673 PAGE 1597

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU98)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL98)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

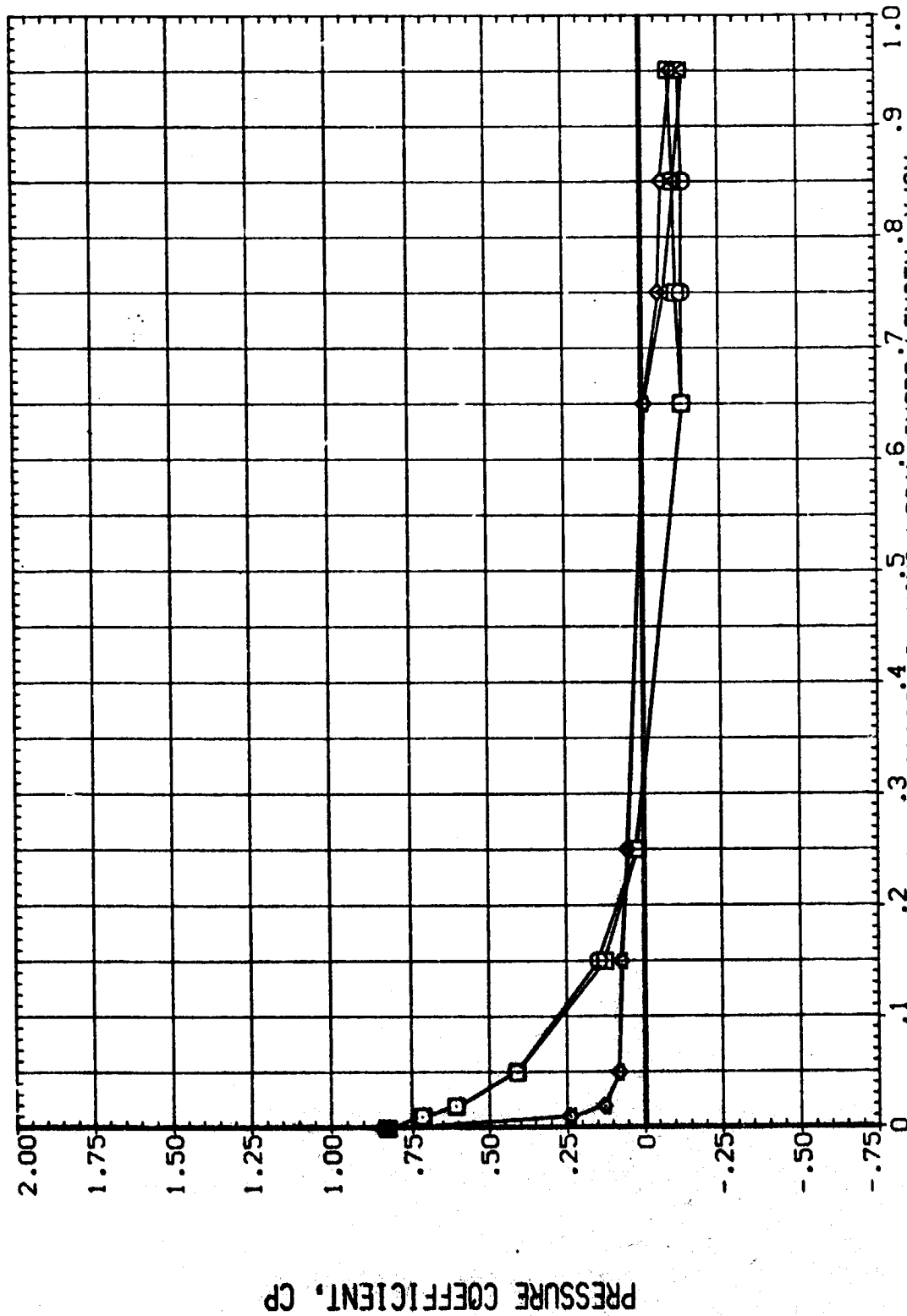


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .780 PAGE 1598

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLML SEALED)	2.500	8.000	2.500	-4.000

LEFT WING TOP	LEFT WING BOT.
□	◇
○	△

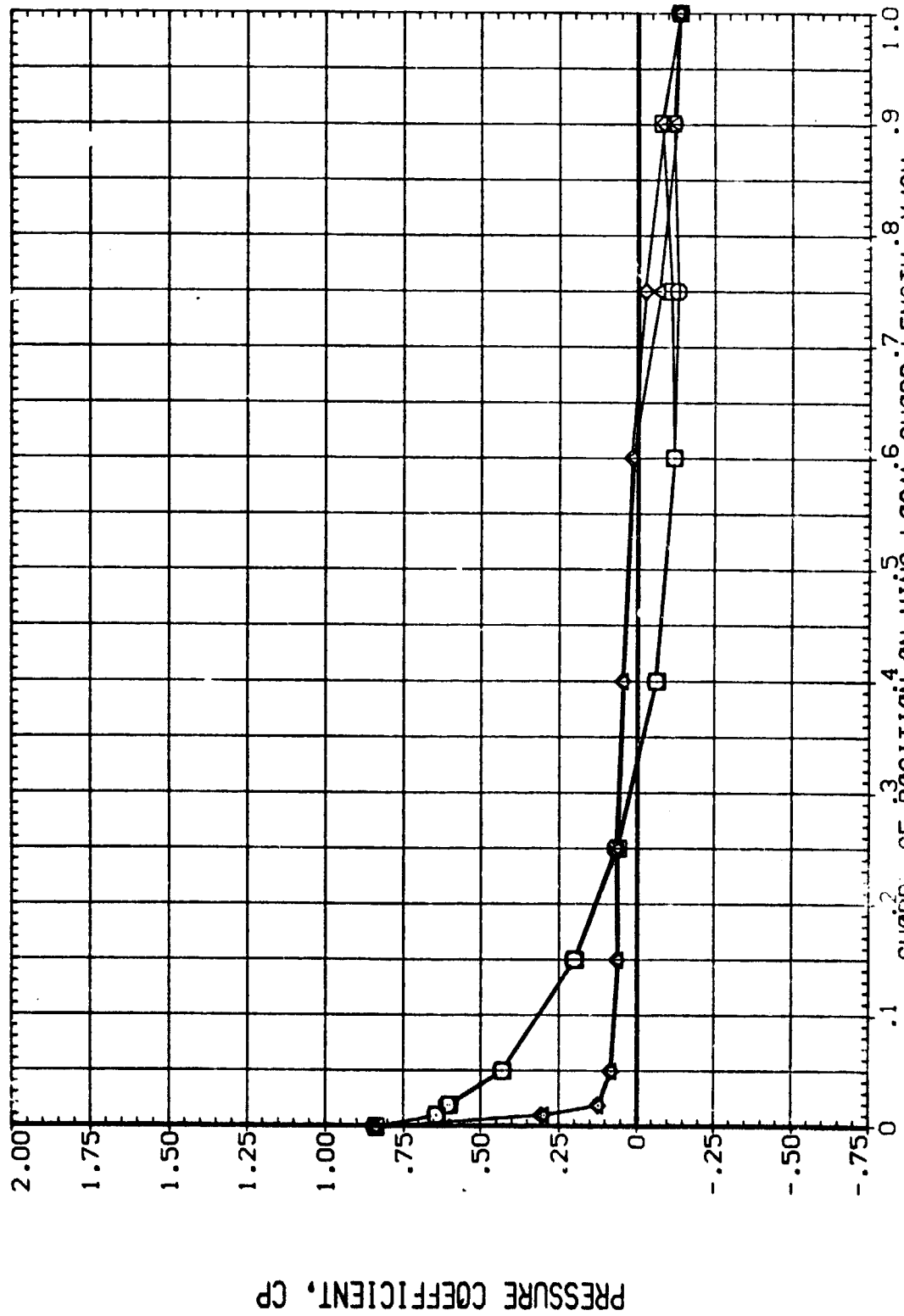
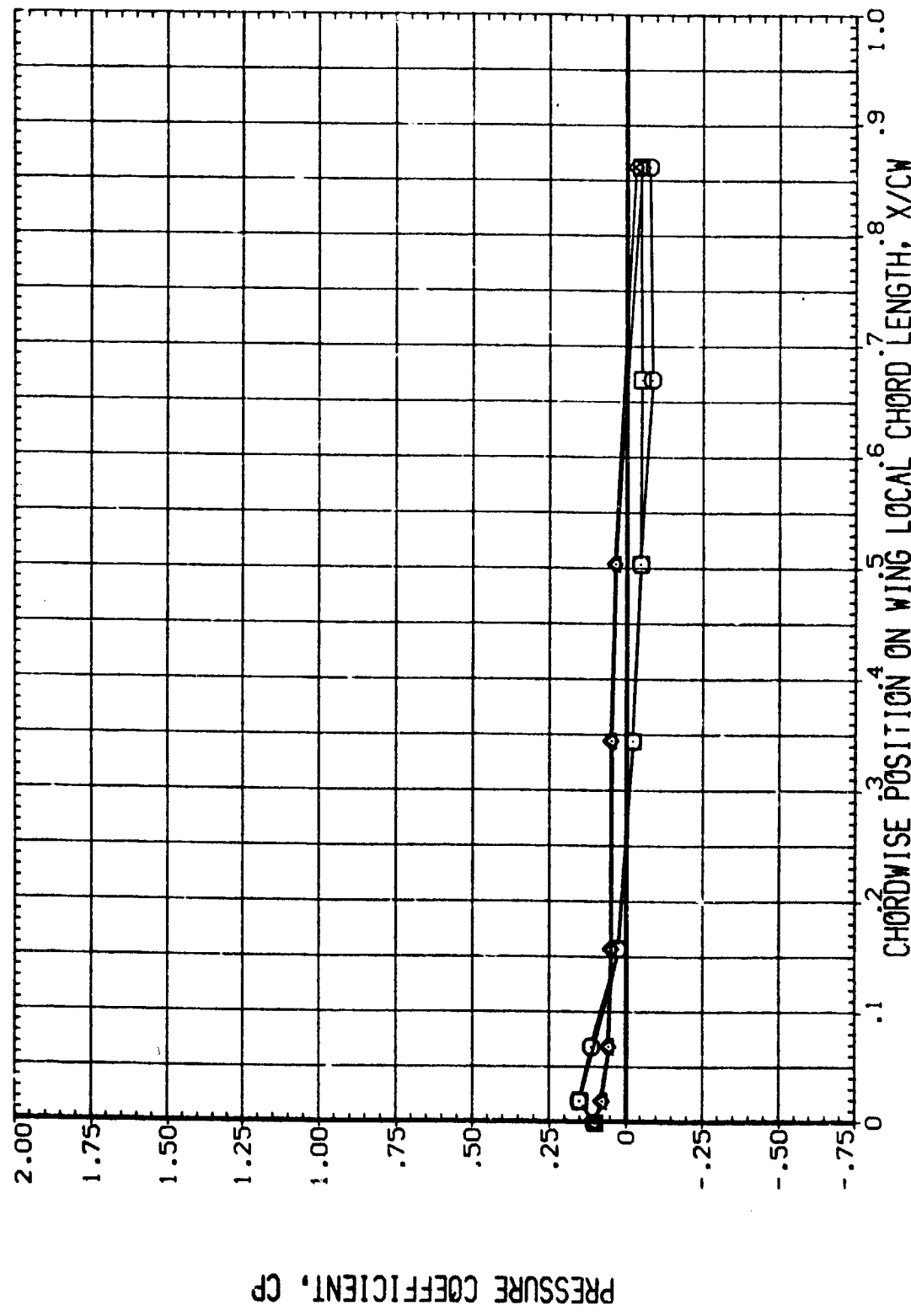


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU42)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 (A81 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = .000 BETA0 = -4.000 Y/BW = .972 PAGE 1600

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 (A1) LVAP(ALLHL SEALED)	2.500	.000	2.500	.000
(IETU38)	ARC97-019 (A1) LVAP(ALLHL SEALED)	2.500	8.000	2.500	-4.000
(IETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(IETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

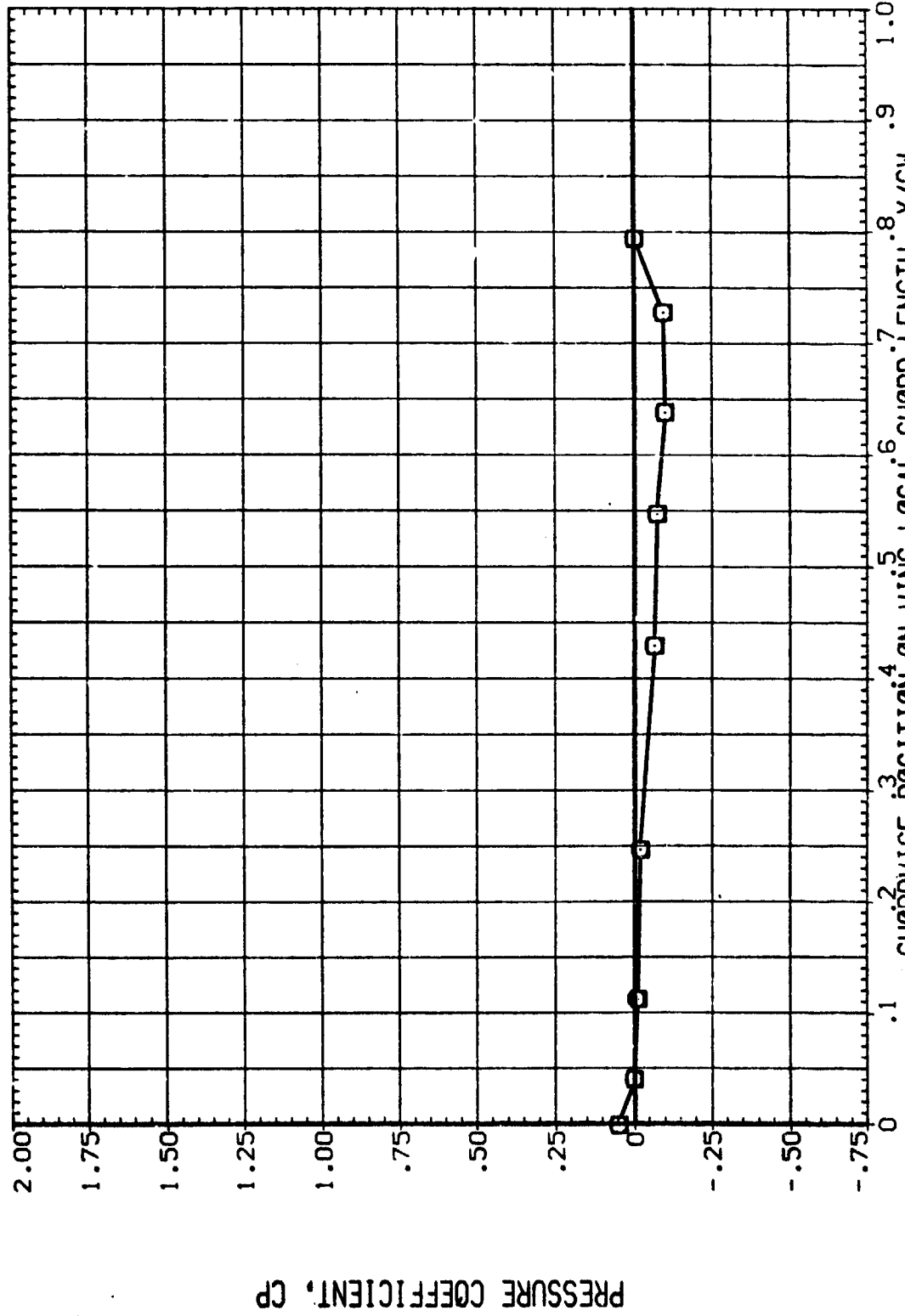


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA0 = .000 BETA0 = .000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(JETU42)	ARC97-019 [A8] LVAP(ALL HL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 [A8] LVAP(ALL HL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 [A8] LVAP(ALL HL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 [A8] LVAP(ALL HL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

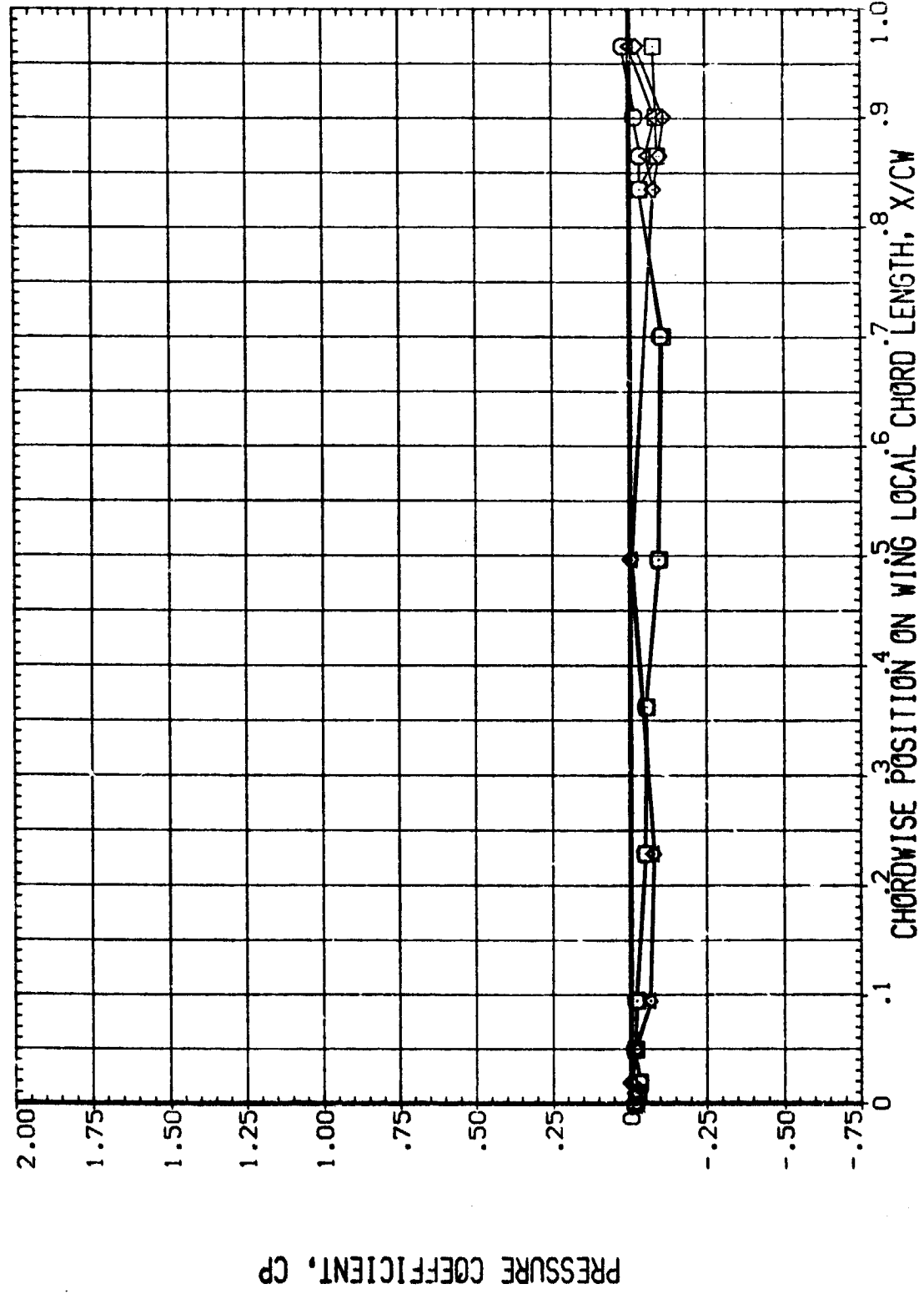


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA = .000 BETA = .000 Y/BW = .299 PAGE 1602

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1EIL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1EIL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

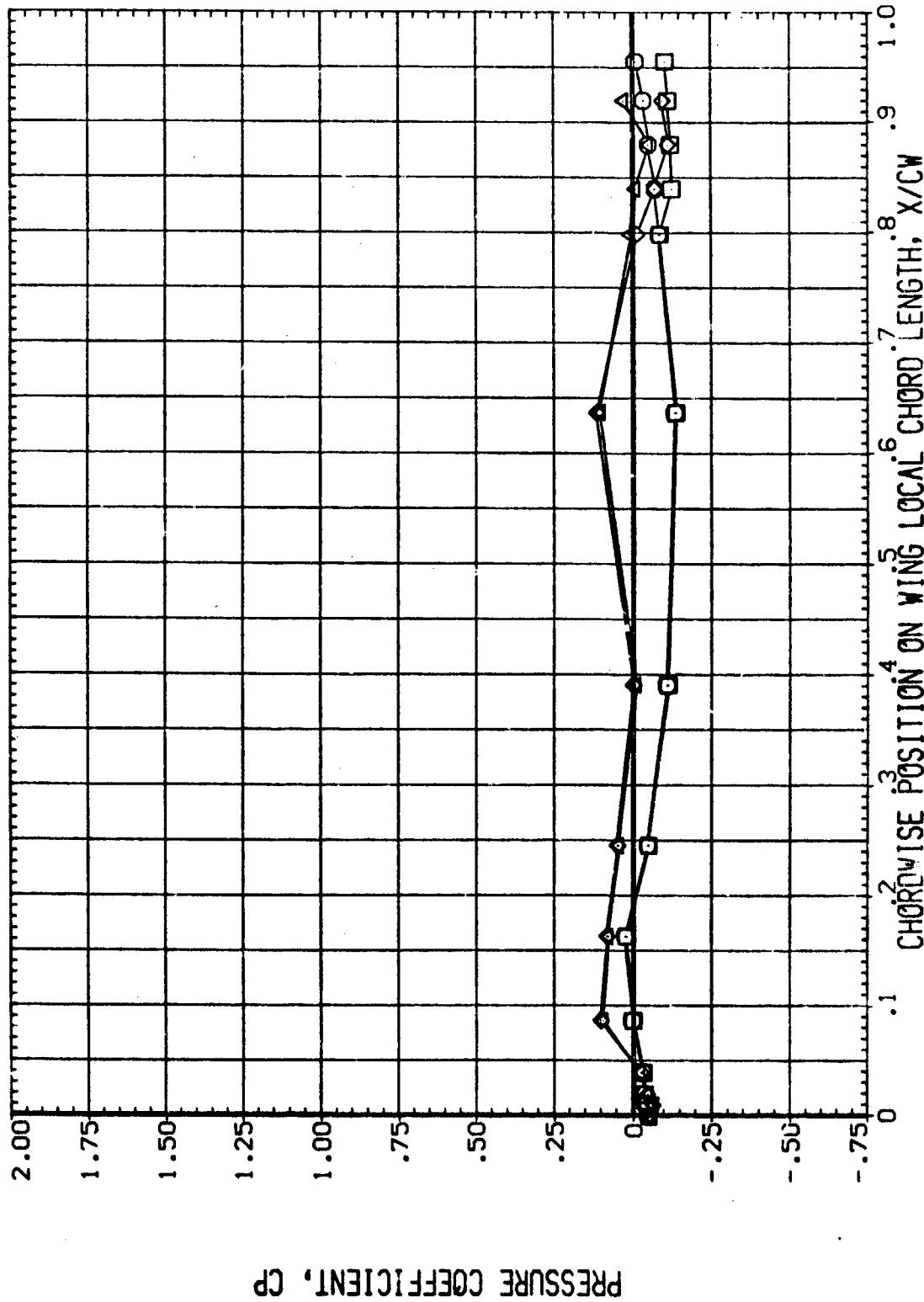


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

ALPHA= .000 BETA= .000 Y/BW = .364

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-IB RN/FT ELV-OB
 (JET42) ARC97-019 (A81 LVAP(ALLHL SEALED)) LEFT WING TOP 2.500 .000 2.500 .000
 (JET038) ARC97-019 (A81 LVAP(ALLHL SEALED)) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (JETL42) ARC97-019 (A81 LVAP(ALLHL SEALED)) LEFT WING BOT. 2.500 .500 2.500 .000
 (JETL38) ARC97-019 (A81 LVAP(ALLHL SEALED)) LEFT WING BOT. 2.500 8.000 2.500 -4.000

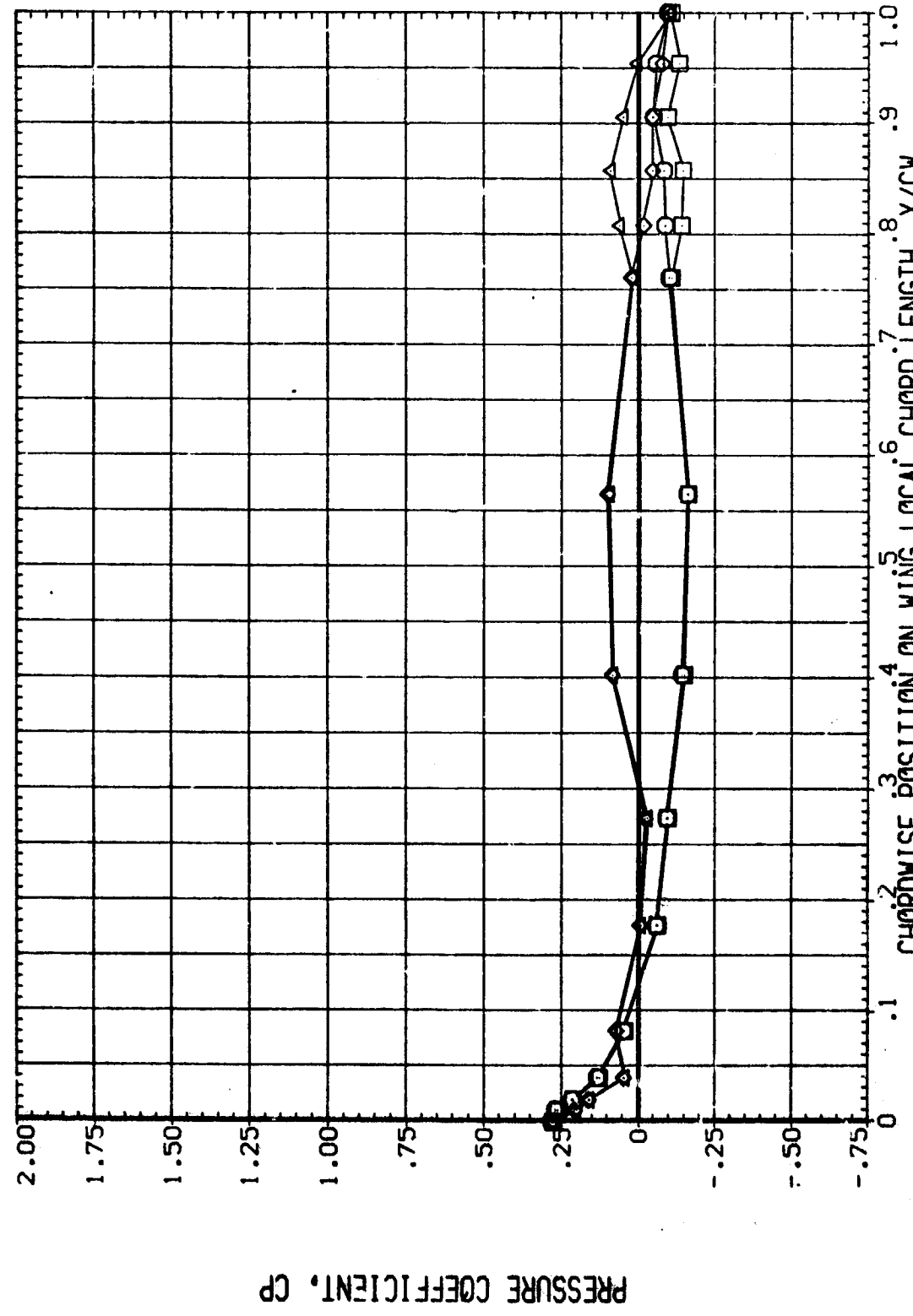


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = .000 BETA0 = .000 Y/BW = .427 PAGE 1604

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL43)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

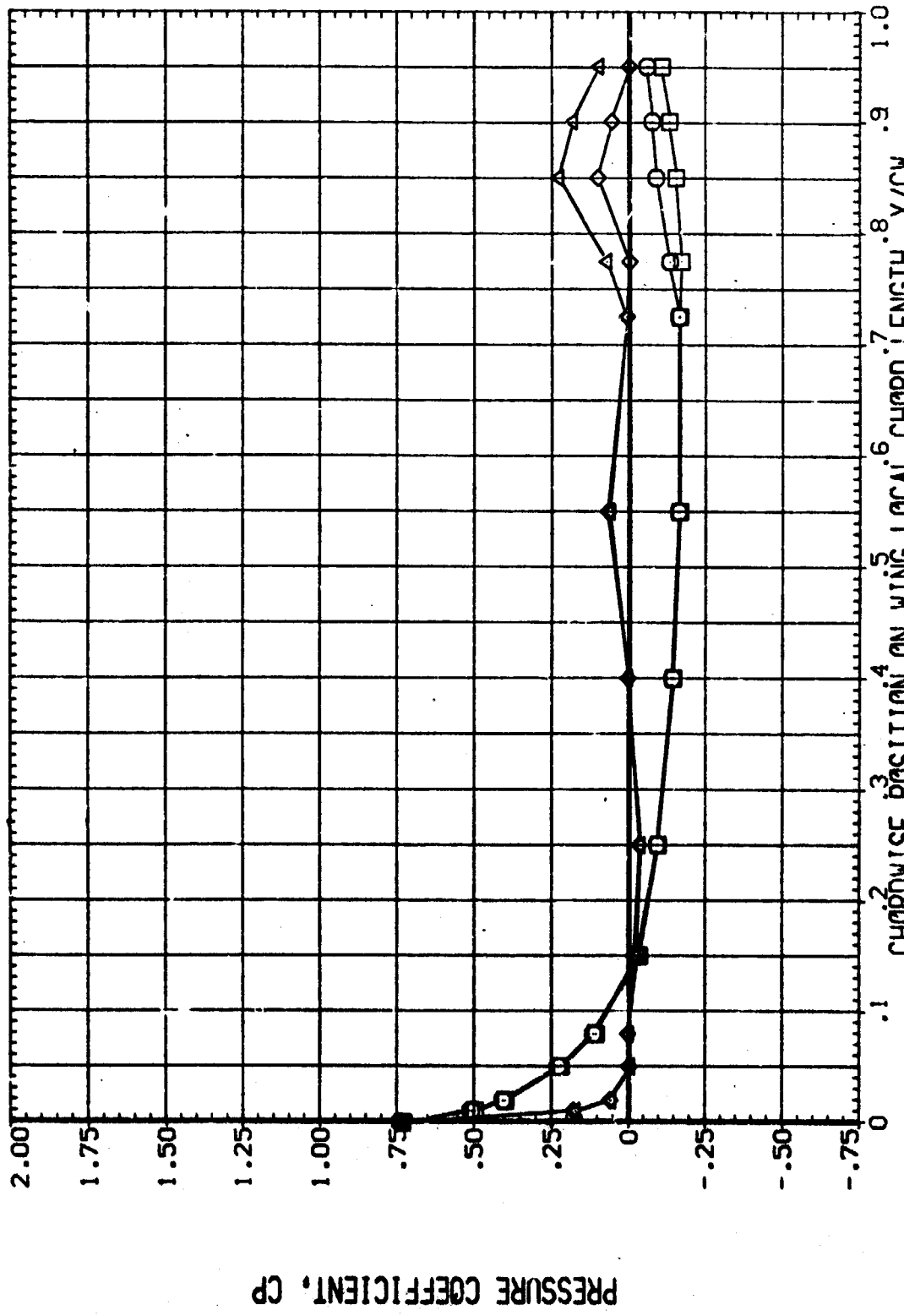


FIG. 08 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	6.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000

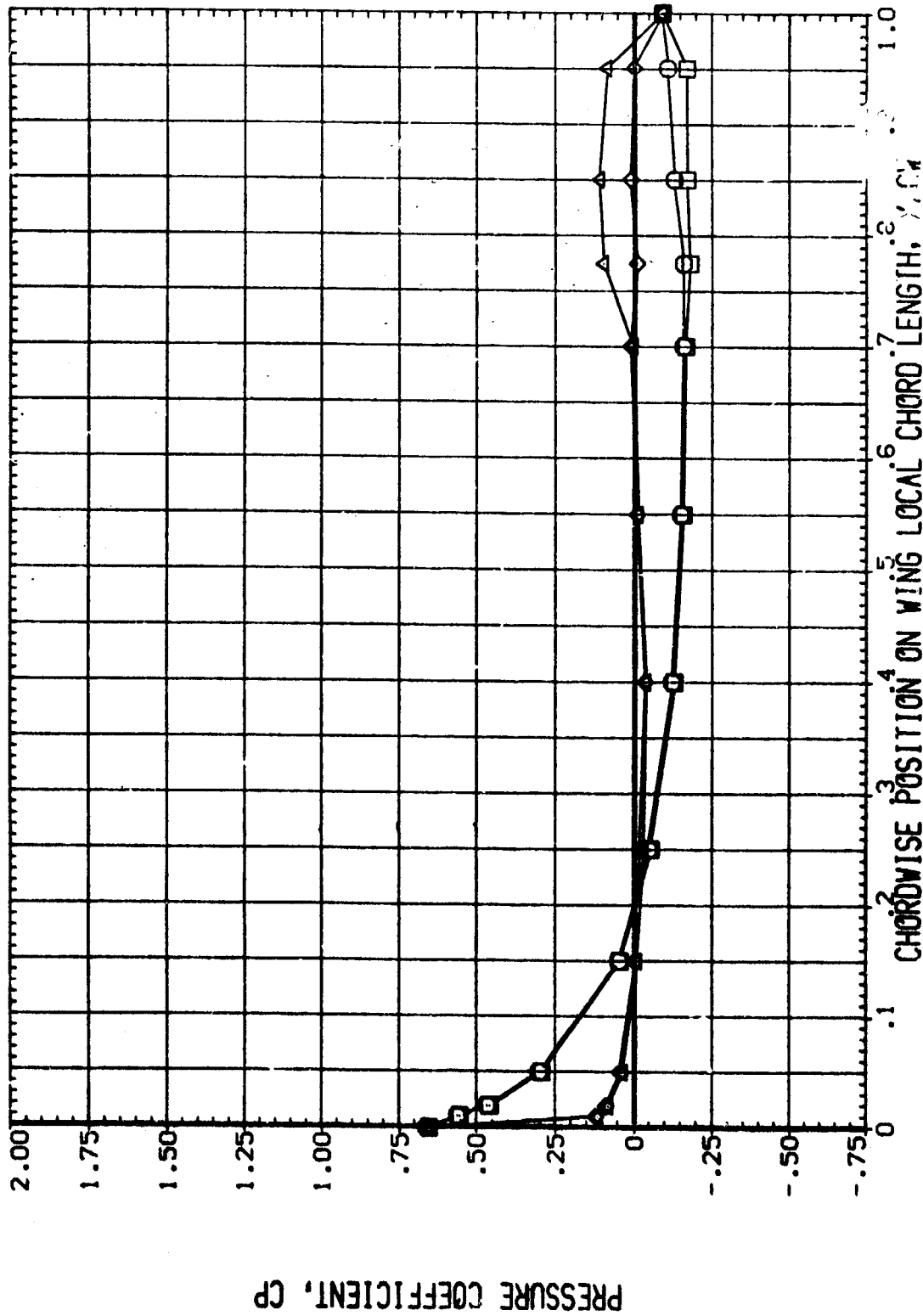
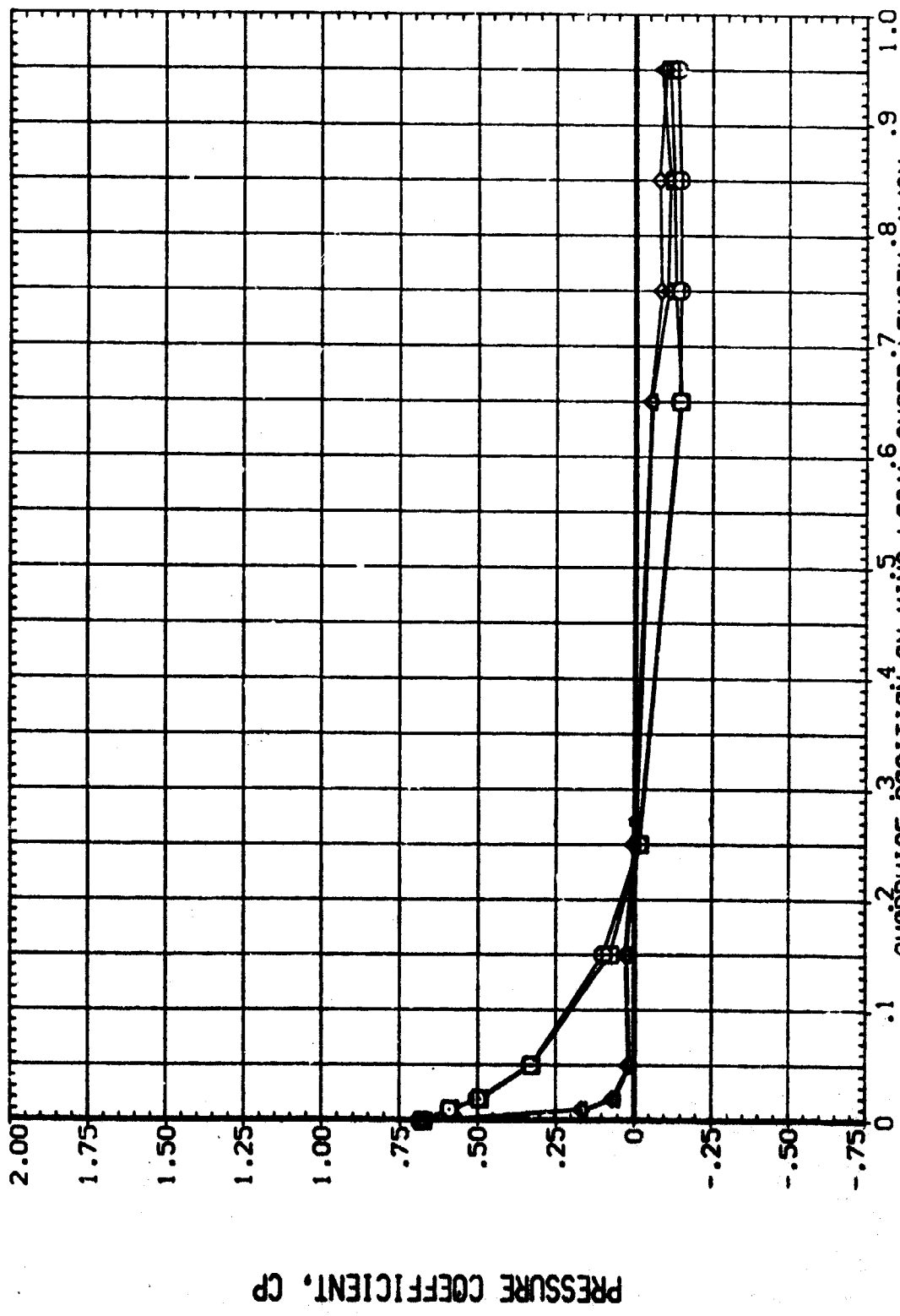


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETA0 = .000 Y/BW = .673 PAGE 1606

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

ALPHA= .000 BETA= .000 Y/BW = .780 PAGE 1607

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-D8
(1ETM2)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU8)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

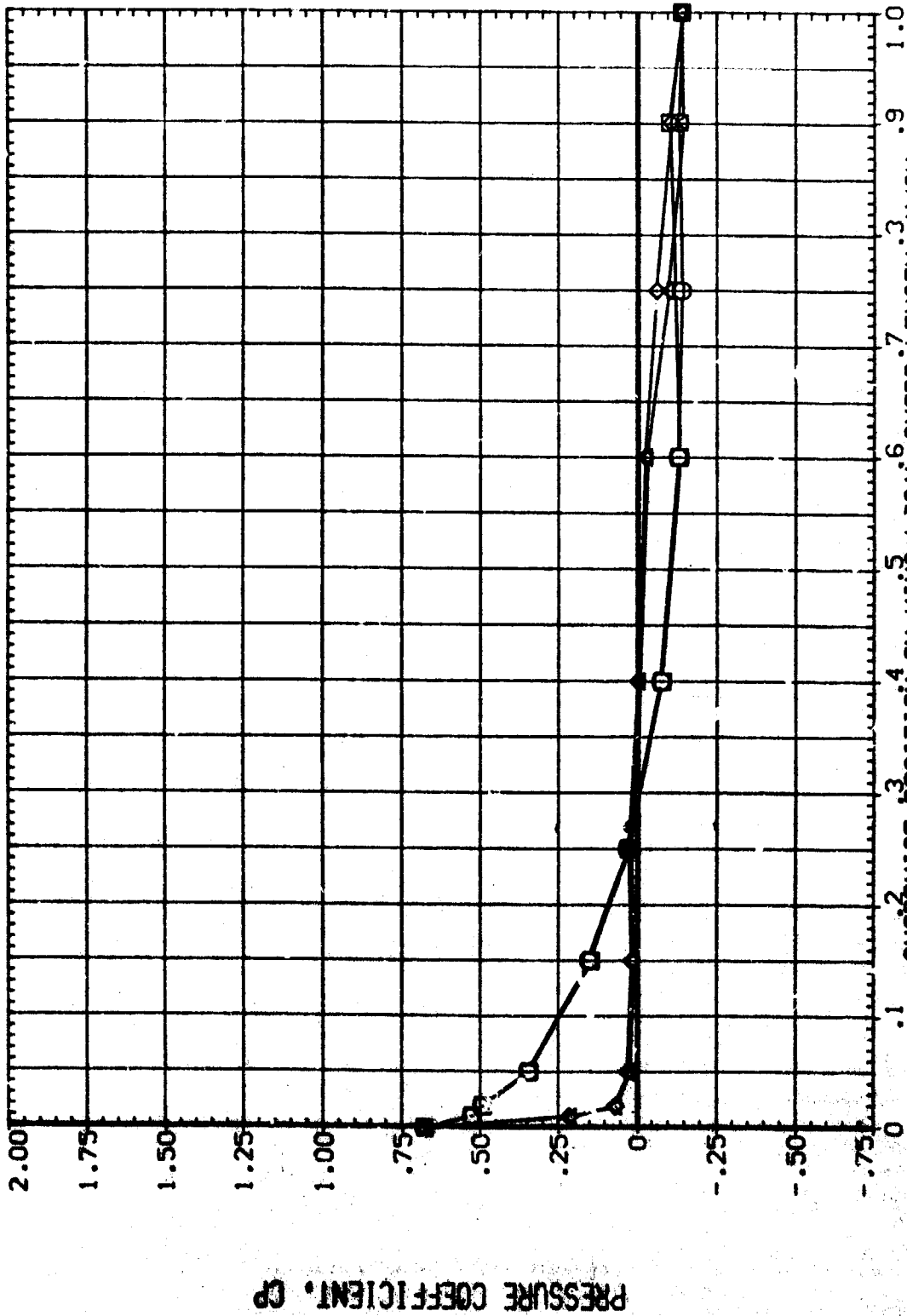


FIG. 69 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = .000 BETA = .000 Y/BW = .887 PAGE 1608

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

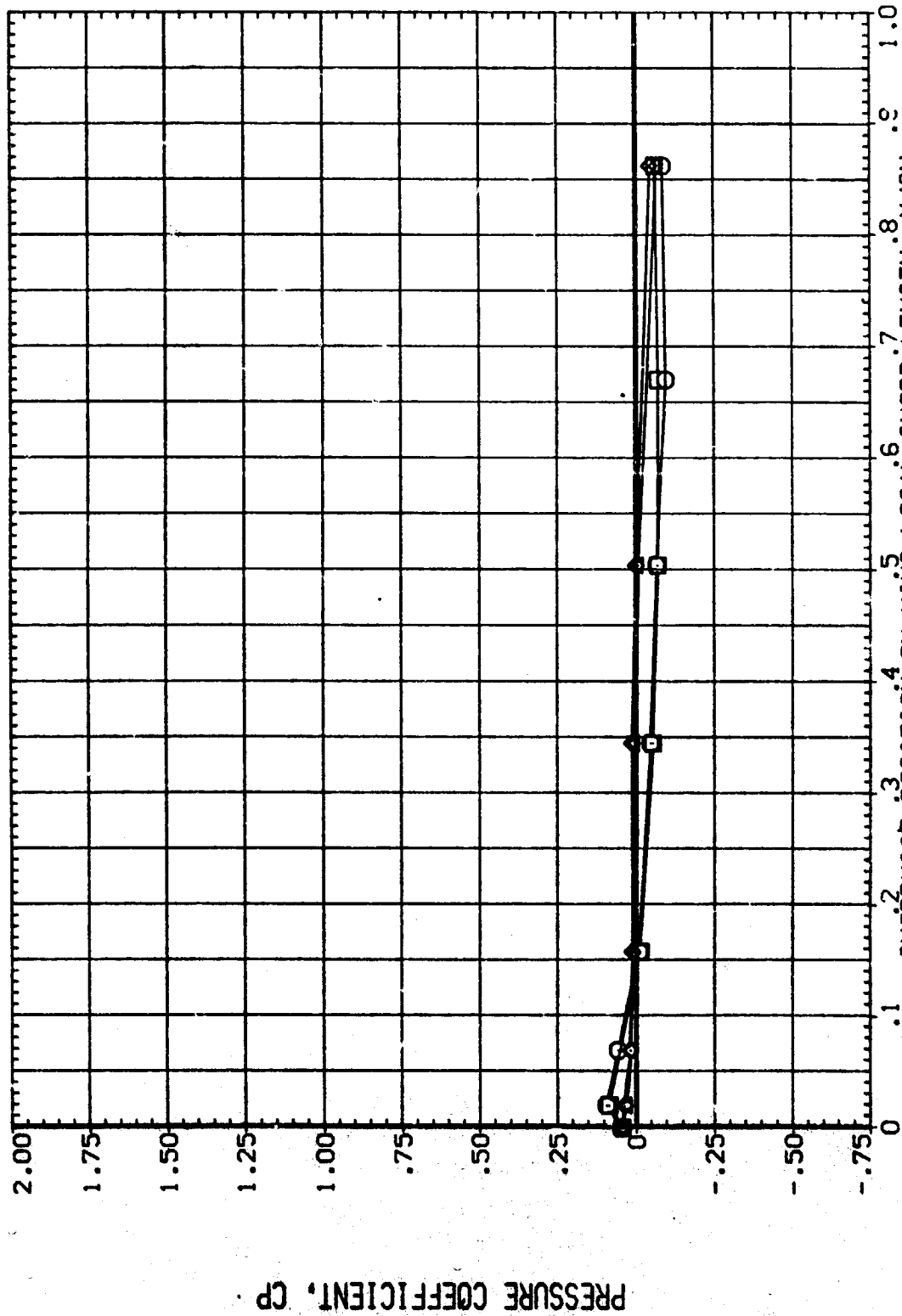


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (1ETU42) □ ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (1ETU38) □ ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP
 (1ETL42) □ DATA NOT AVAILABLE
 (1ETL38) □ DATA NOT AVAILABLE

MACH ELV-IB RN/FT ELV-OB
 2.500 8.000 2.500 .000
 2.500 8.000 2.500 -4.000
 2.500 8.000 2.500 .000
 2.500 8.000 2.500 -4.000

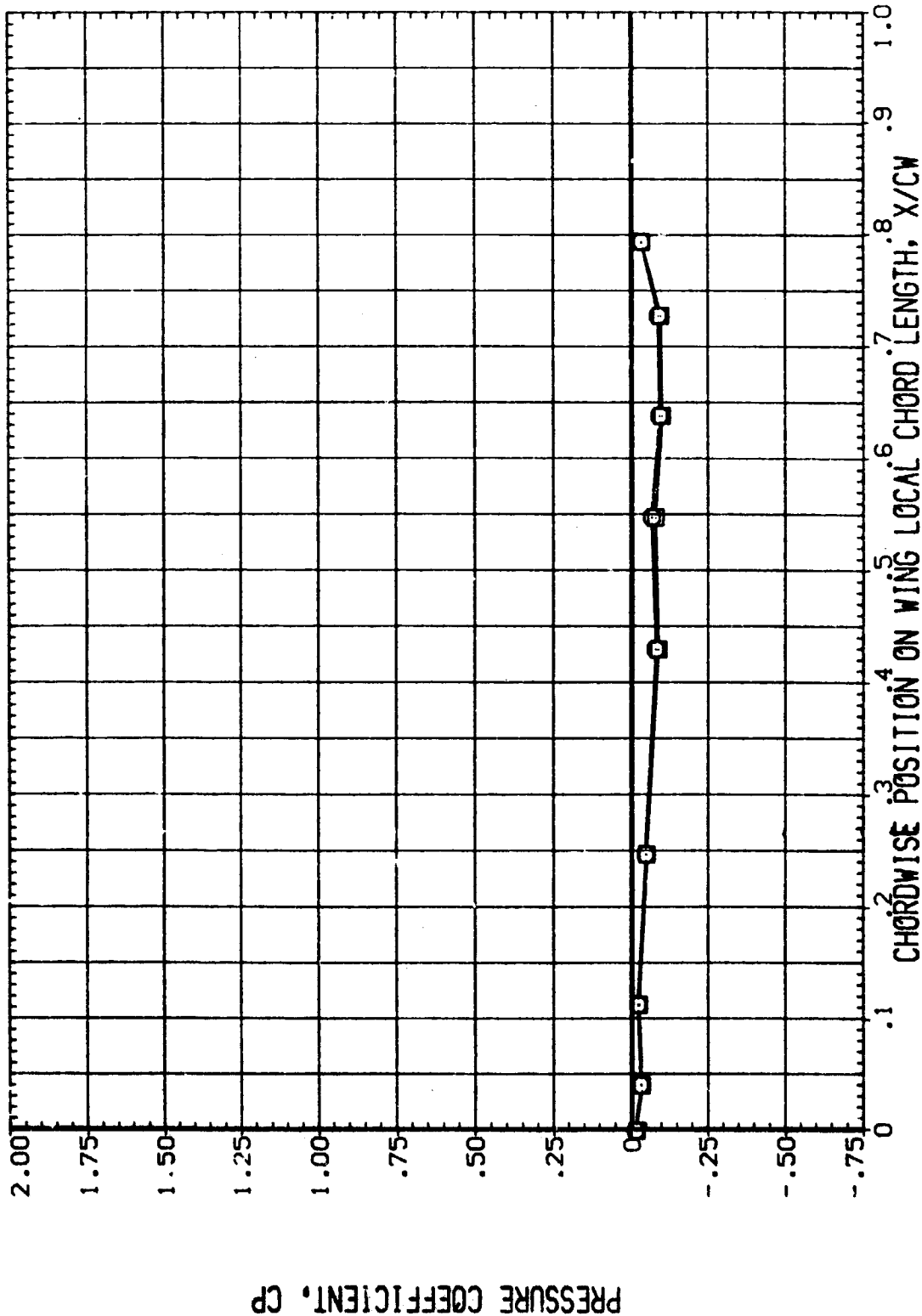


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .235 PAGE 1610

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

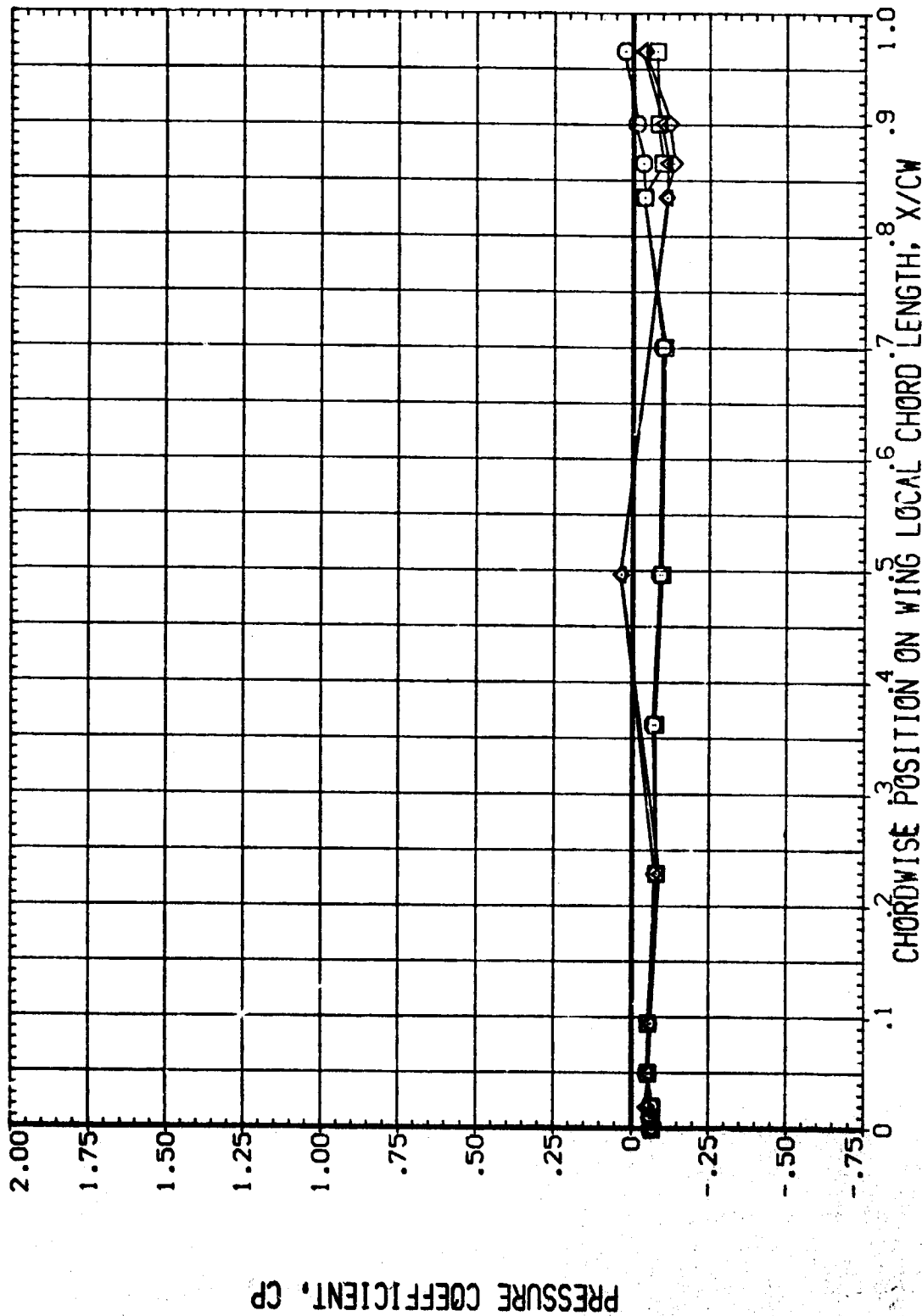
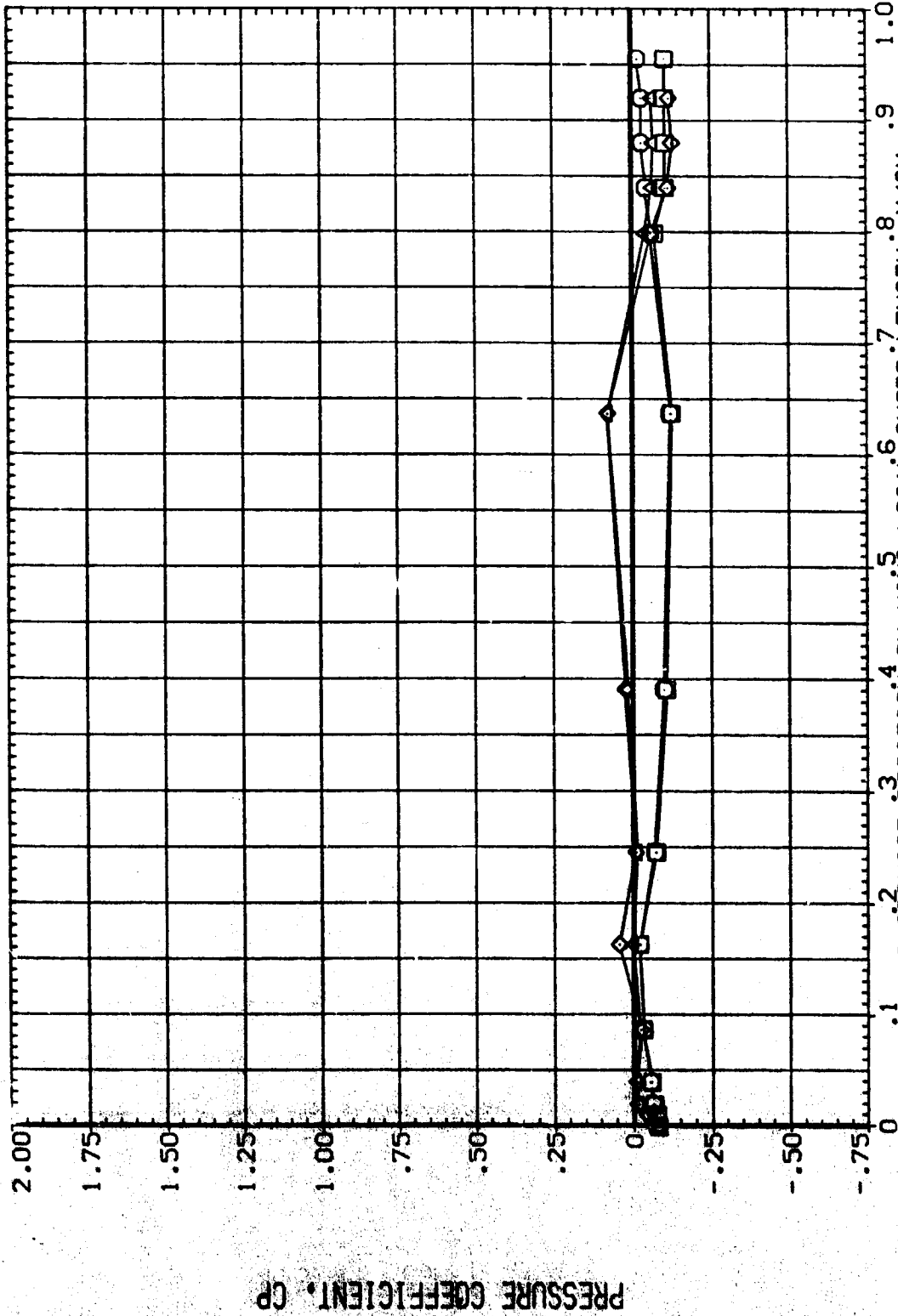


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0. MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU2)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-018 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA=0 = .000 BETA=0 = 4.000 Y/BW = .364 PAGE 1612

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

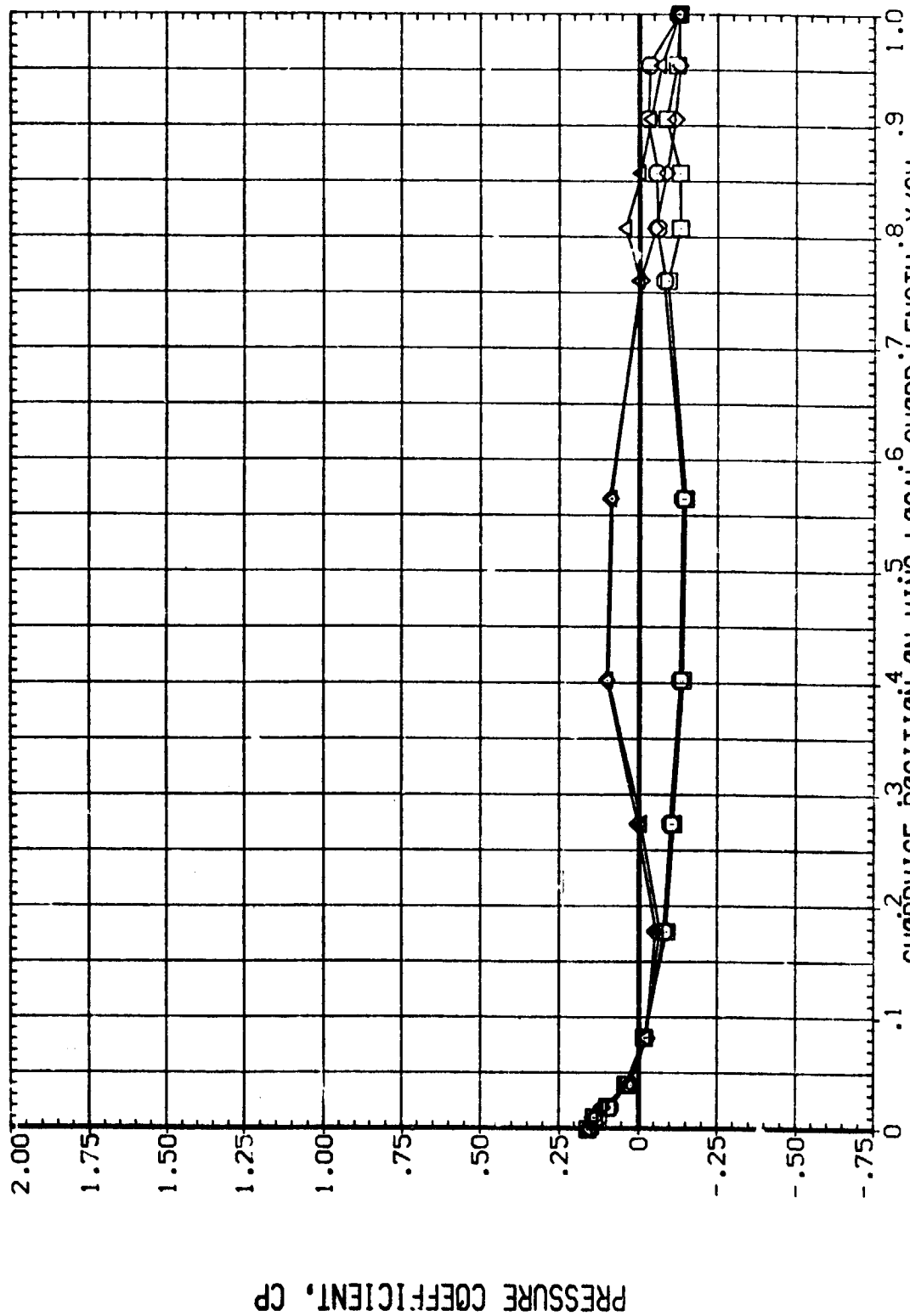


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

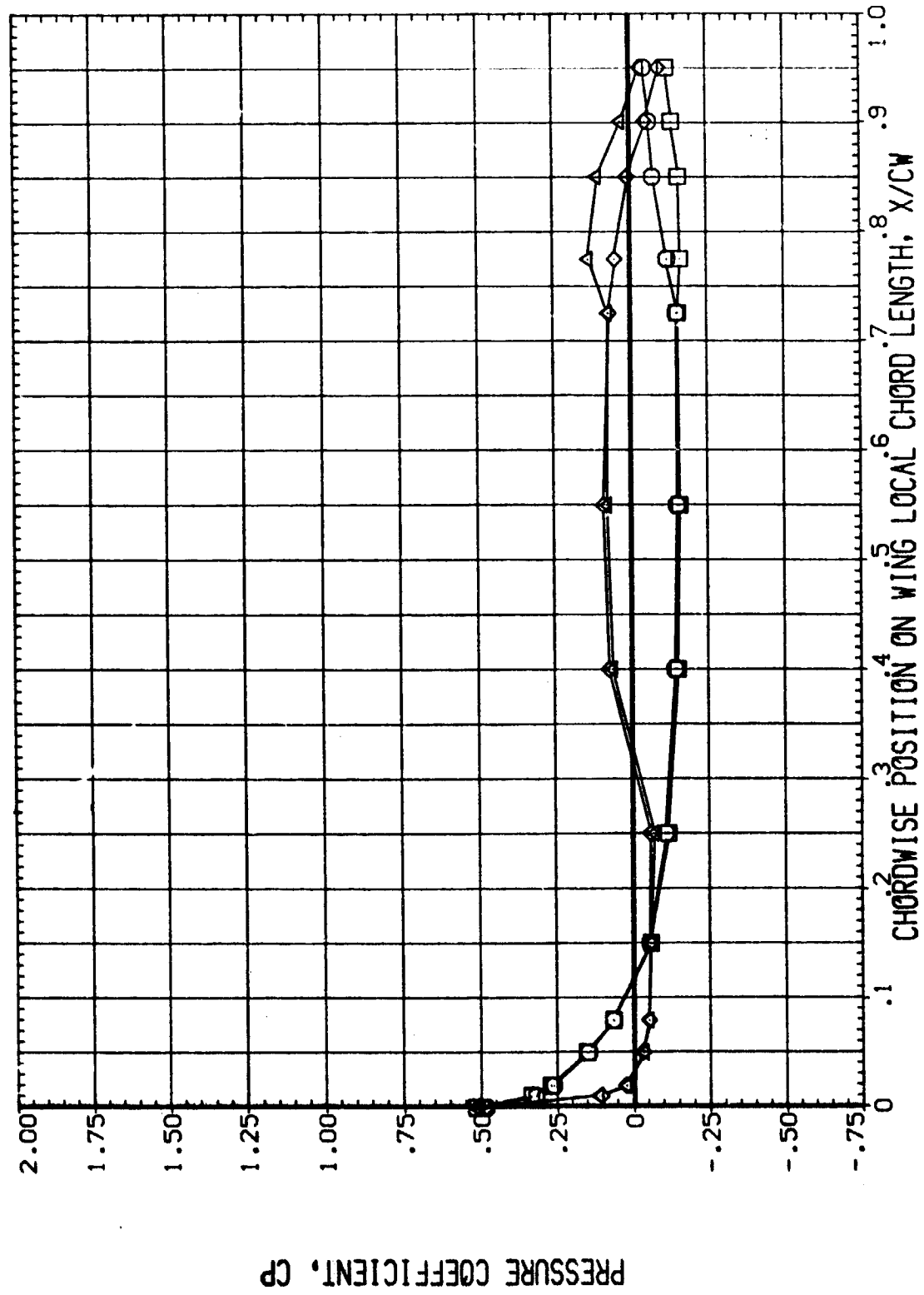


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA= .000 BETA= 4.000 Y/BW = .534 PAGE 1614

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

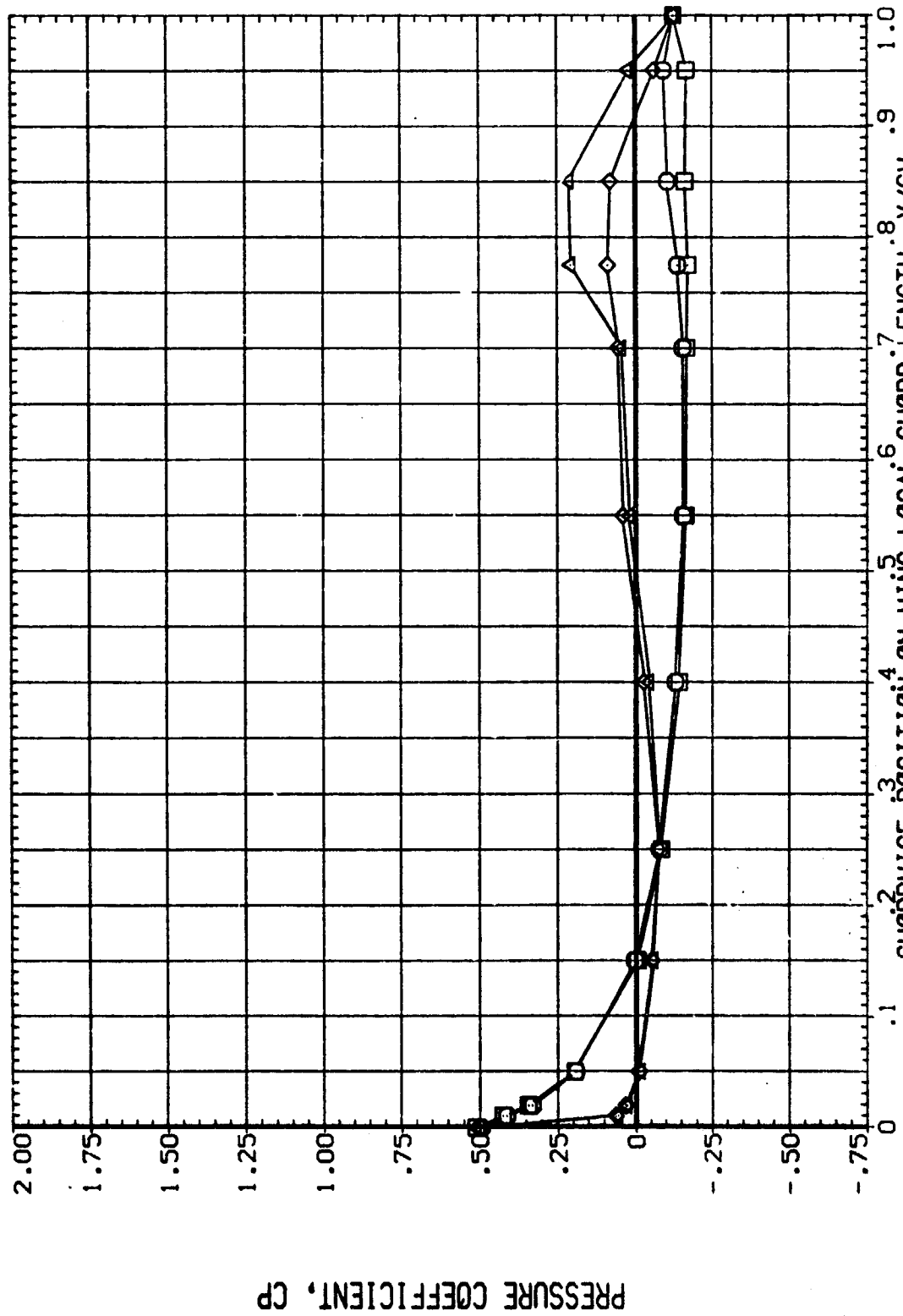


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-08
 (IETU42) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (IETU38) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (IETL42) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.500 .000 2.500 .000
 (IETL38) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

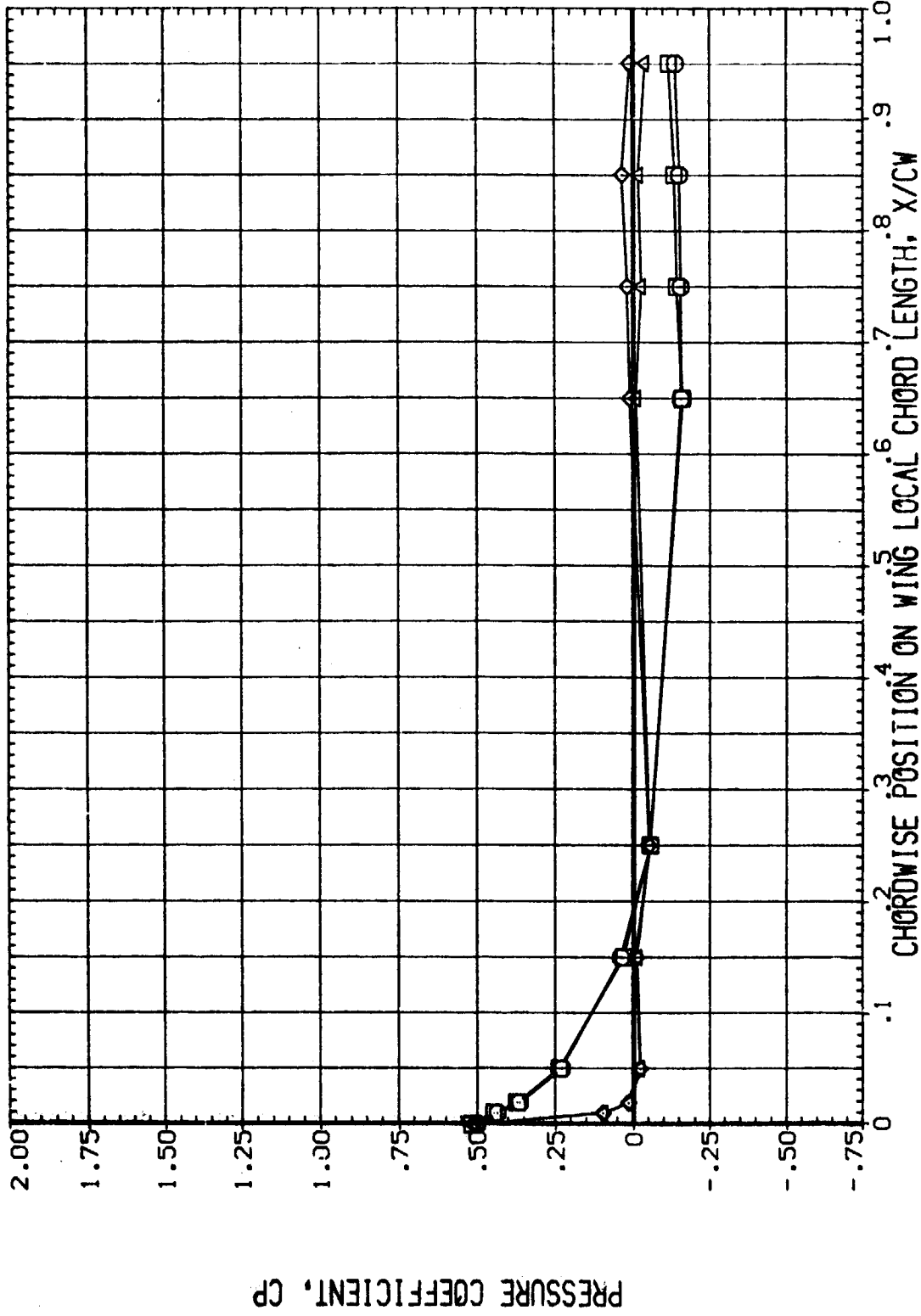


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.50
 ALPHA = .000 BETA = 4.000 Y/BW = .780 PAGE 1616



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

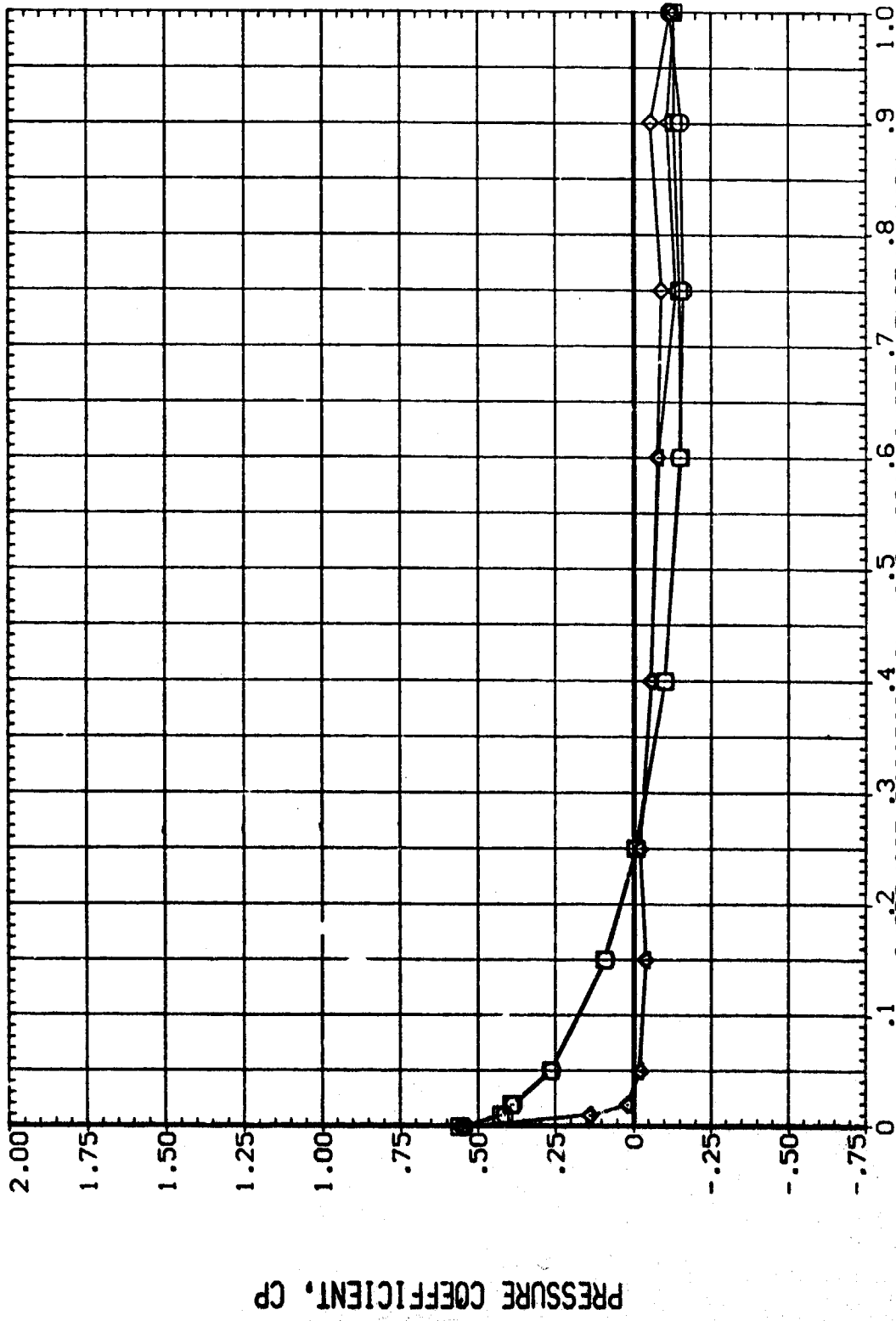


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPDBRK = 0. MACH = 2.50

ALPHA0 = .000 BETA0 = 4.000 Y/BW = .887 PAGE 1617

DATA SET SYMBOL CONFIGURATION DESCRIPTION

Symbol	Symbol	Configuration Description	Left Wing Top	Mach	ELV-1B	RN/FT	ELV-0B
(1ETU42)	ARC97-019	[A8] LVAP(ALLHL SEALED)	LEFT WING TOP	2.500	.000	2.500	.000
(1ETU28)	ARC97-019	[A8] LVAP(ALLHL SEALED)	LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019	[A8] LVAP(ALLHL SEALED)	LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019	[A8] LVAP(ALLHL SEALED)	LEFT WING BOT.	2.500	8.000	2.500	-4.000

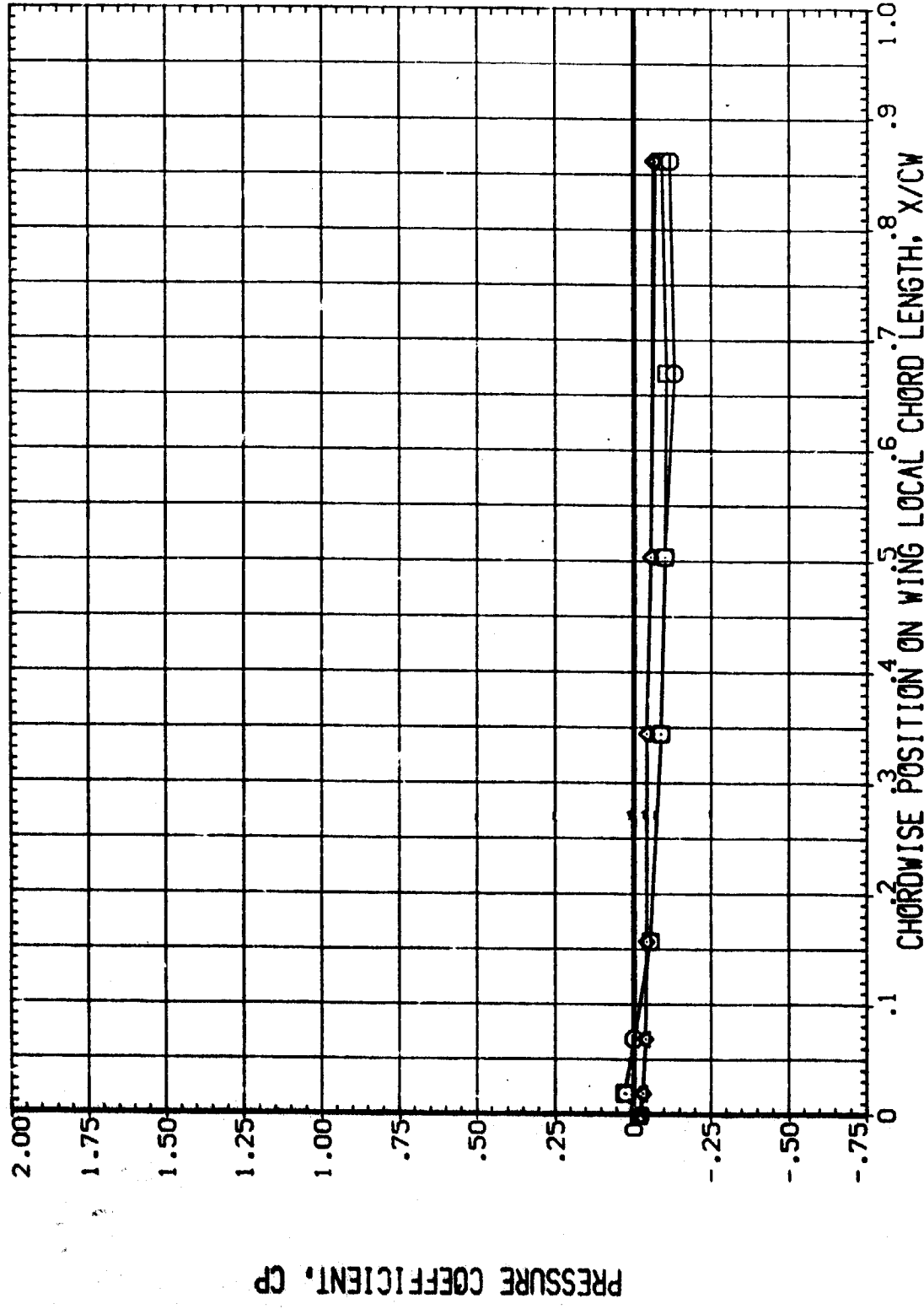


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETA0 = 4.000 Y/BW = .972 PAGE 1618

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-6B
(IETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU08)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(IETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

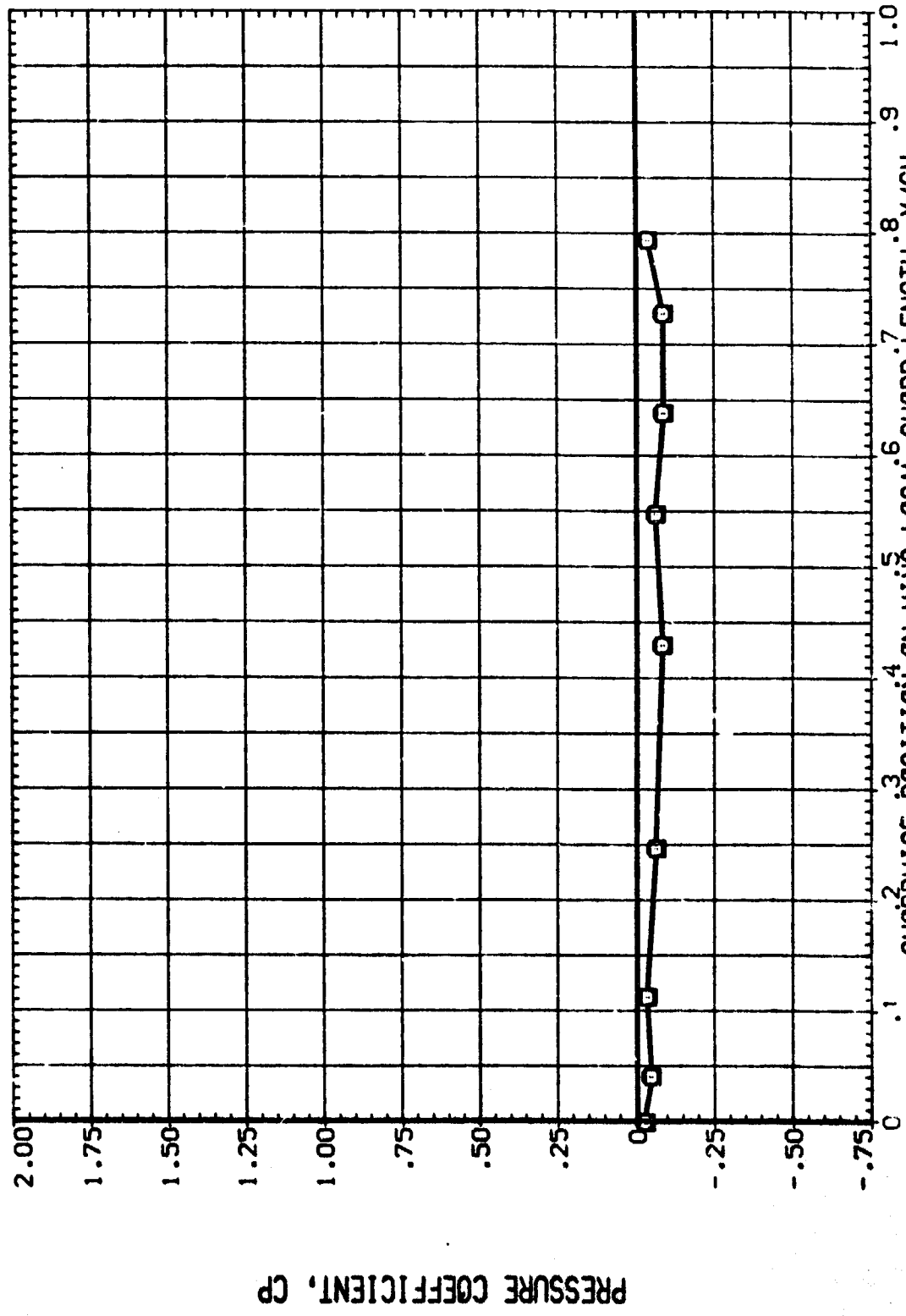


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = .000 BETA = 6.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU08)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETU43)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETU58)	ARC97-019 IAB1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

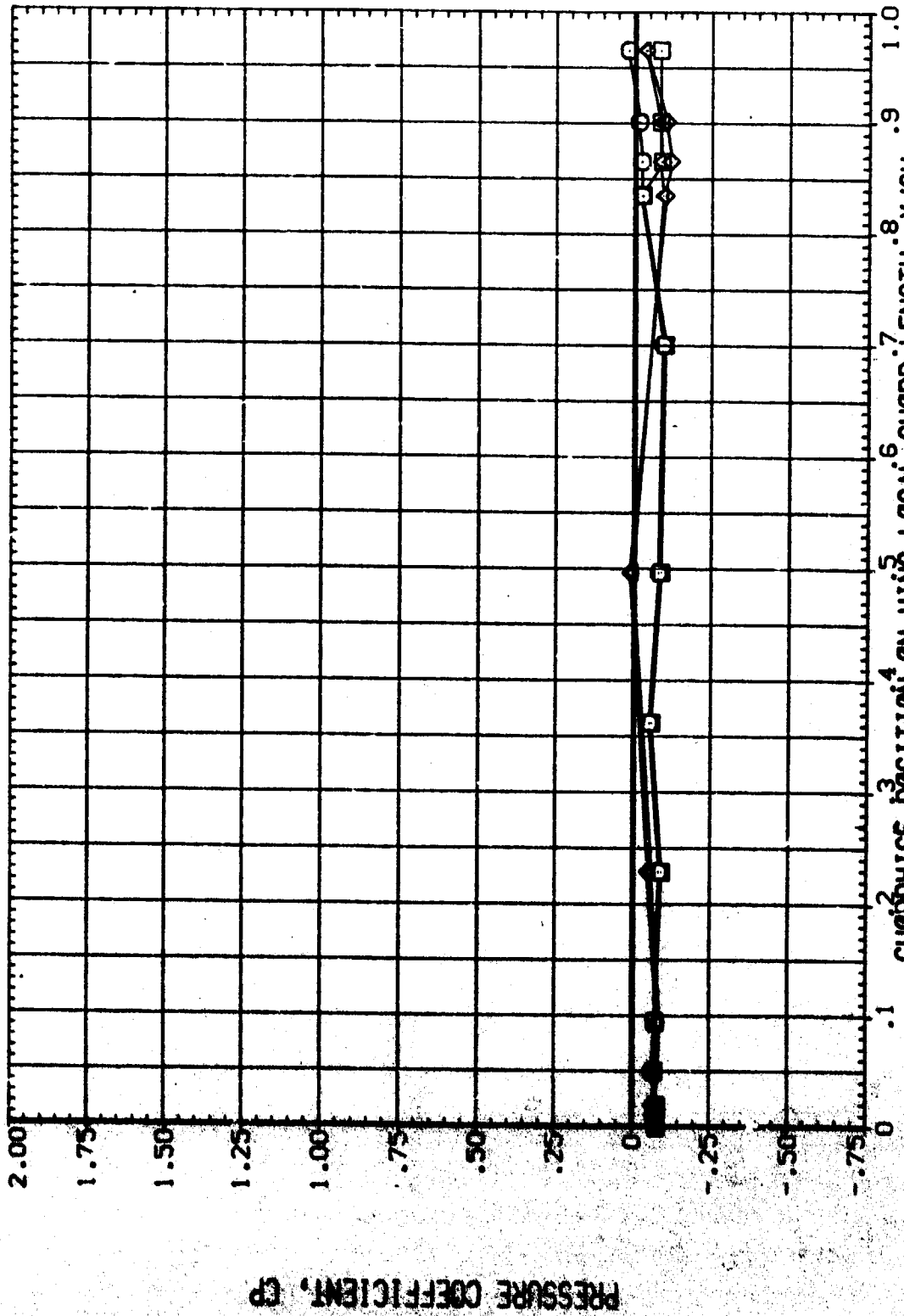
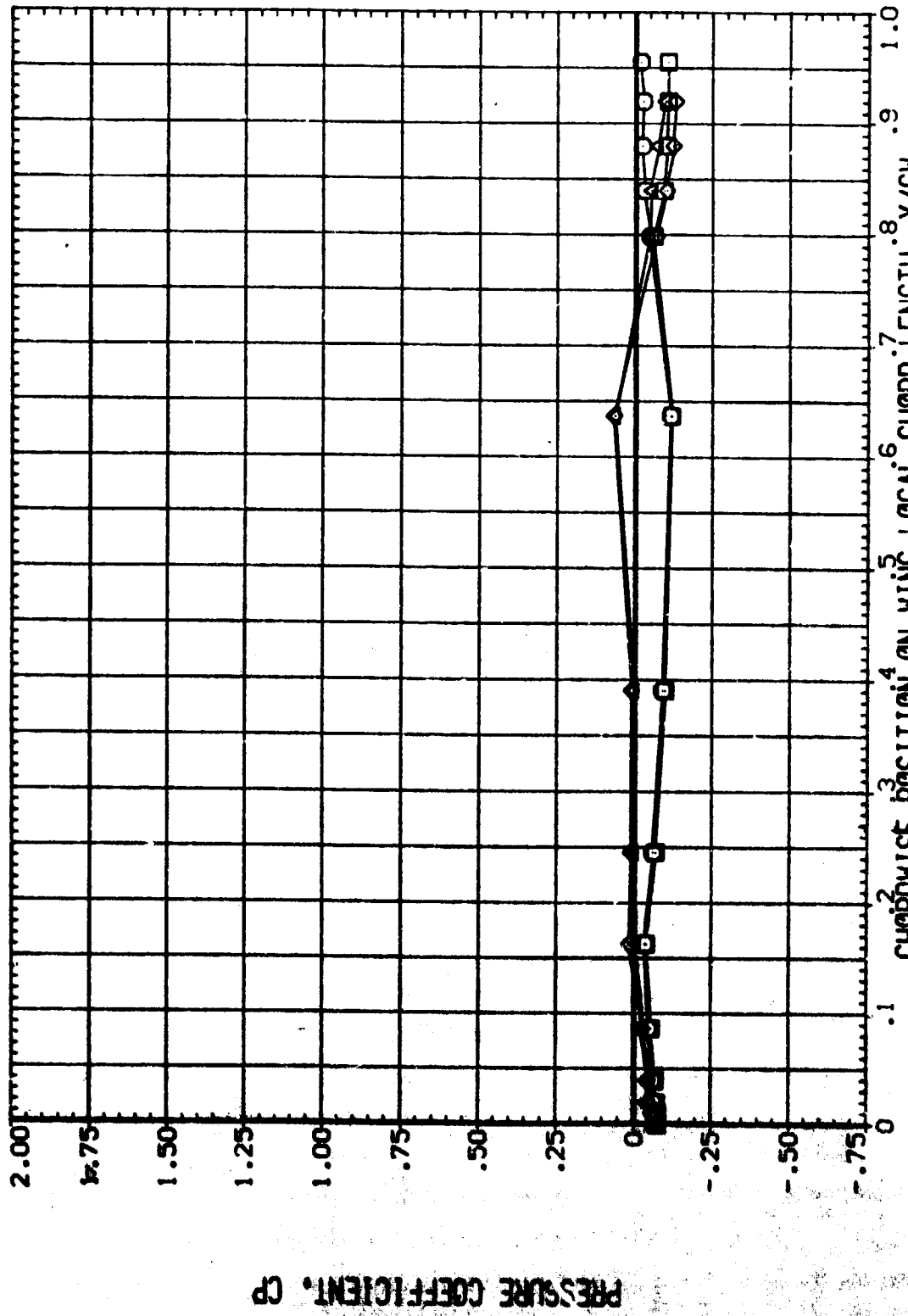


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0. MACH = 2.50
 ALPHA = .000 BETA = 6.000 Y/BW = .299
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 PAGE 1620

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IETU42)	ANC97-019 (A81 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETL38)	ANC97-019 (A81 LVAP(ALLM SEALED) LEFT WING TOP	2.500	0.000	2.500	-4.000
(IETL42)	ANC97-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	0.000	2.500	-4.000
(IETL38)	ANC97-019 (A81 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	0.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = .000 BETA = 6.000 Y/BW = .364 PAGE 1621

DATA SET SYMBOL: **R &** CONFIGURATION DESCRIPTION: ARC97-019 (AB) LVAP(ALL) SEALED) LEFT WING TOP; ARC97-019 (AB) LVAP(ALL) SEALED) LEFT WING TOP; ARC97-019 (AB) LVAP(ALL) SEALED) LEFT WING BOT.; ARC97-019 (AB) LVAP(ALL) SEALED) LEFT WING BOT.

MACH: 2.500, 2.500, 2.500, 2.500
 ELEV-18: .000, 8.000, .000, 8.000
 RW/FT: 2.500, 2.500, 2.500, 2.500
 ELEV-08: .000, -4.000, .000, -4.000

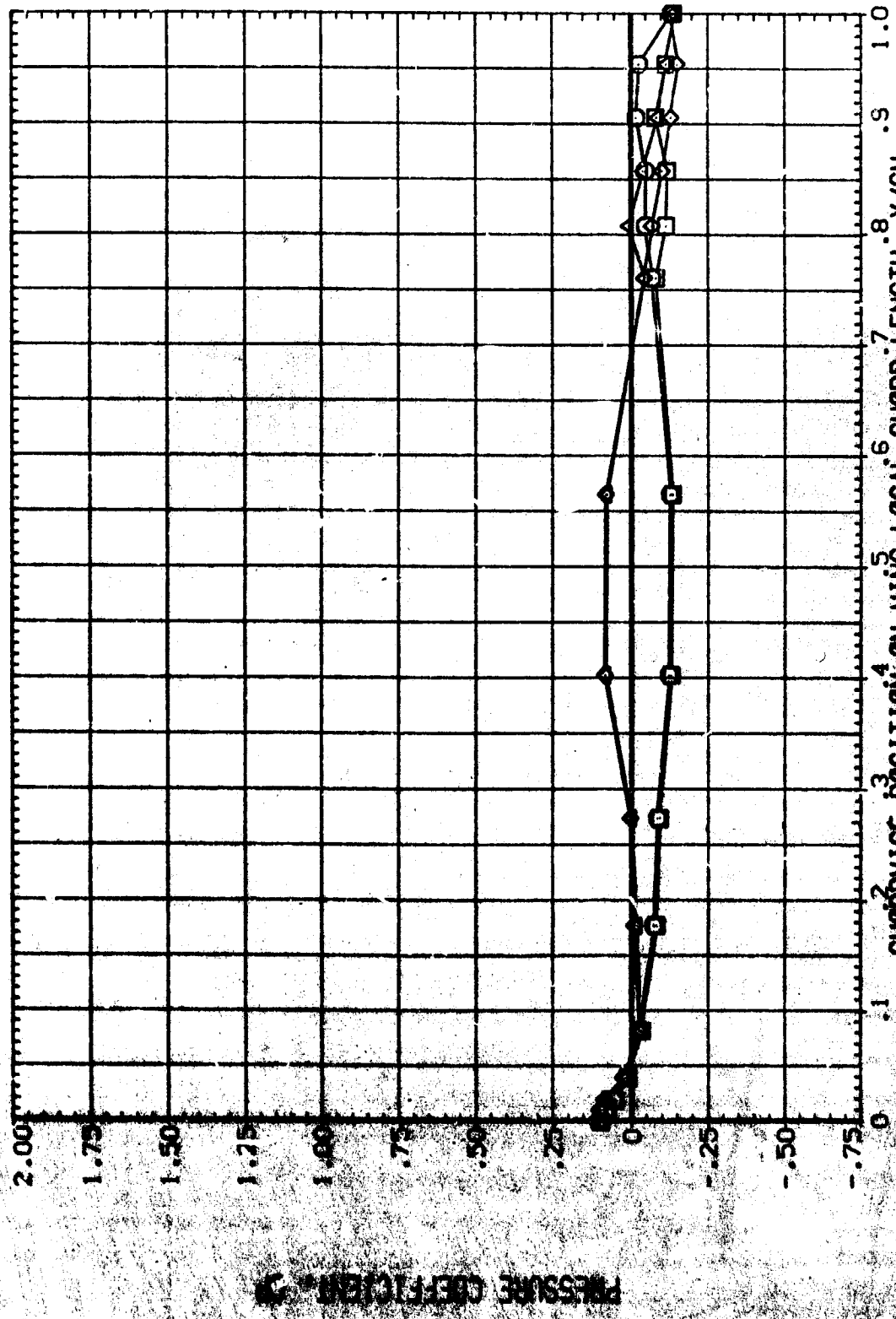


FIG. 6B WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPOBRK = 0, MACH = 2.50
 ALPHA = 6.000 BETAD = 6.000 Y/BW = .427



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

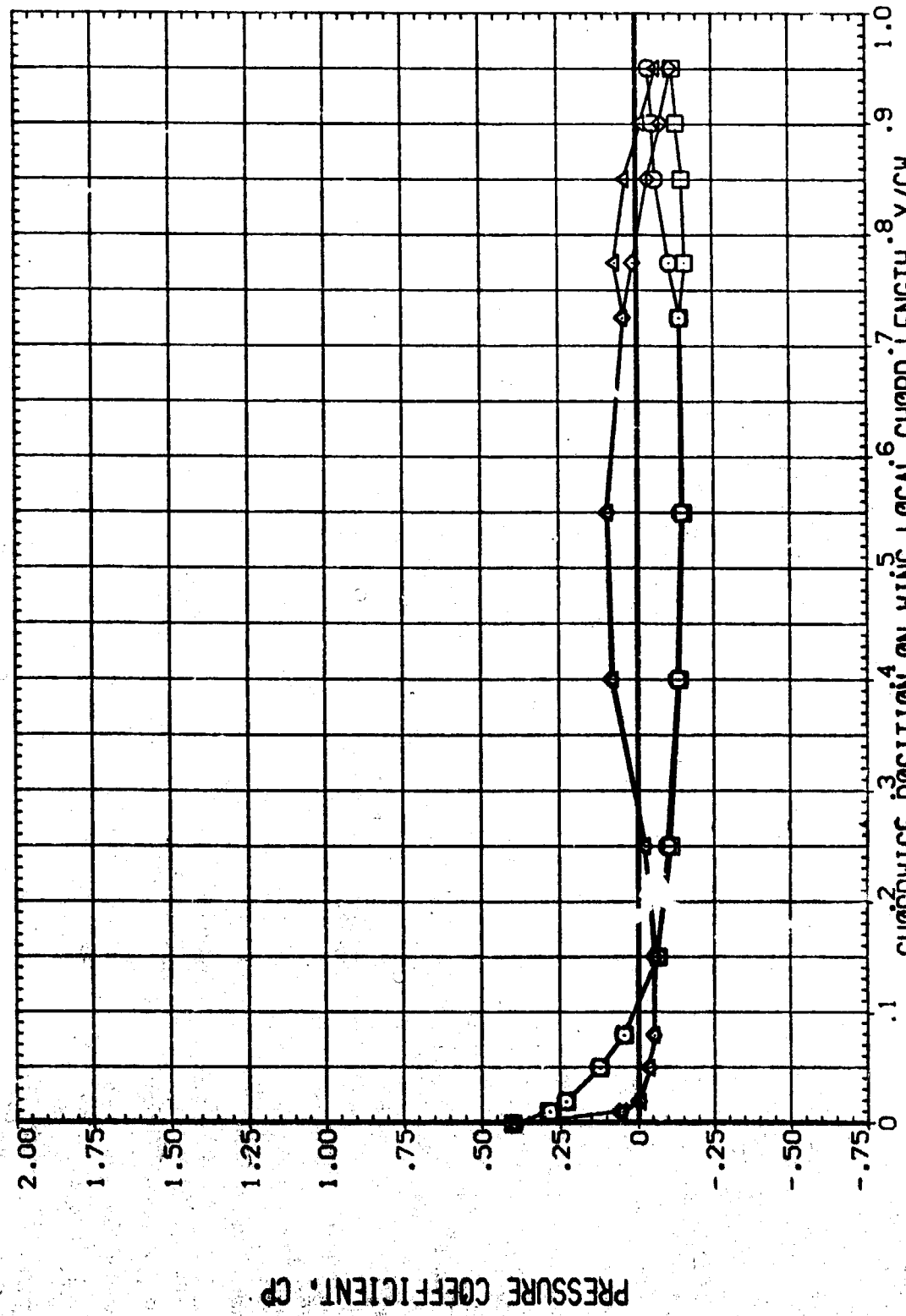


FIG. 68 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT, SPDBRK = 0; MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELY-1B RN/FT ELY-0B

(IETU42)	ARC97-019 IAB1 LVAPCALLM SEALED	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAPCALLM SEALED	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAPCALLM SEALED	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAPCALLM SEALED	2.500	8.000	2.500	-4.000

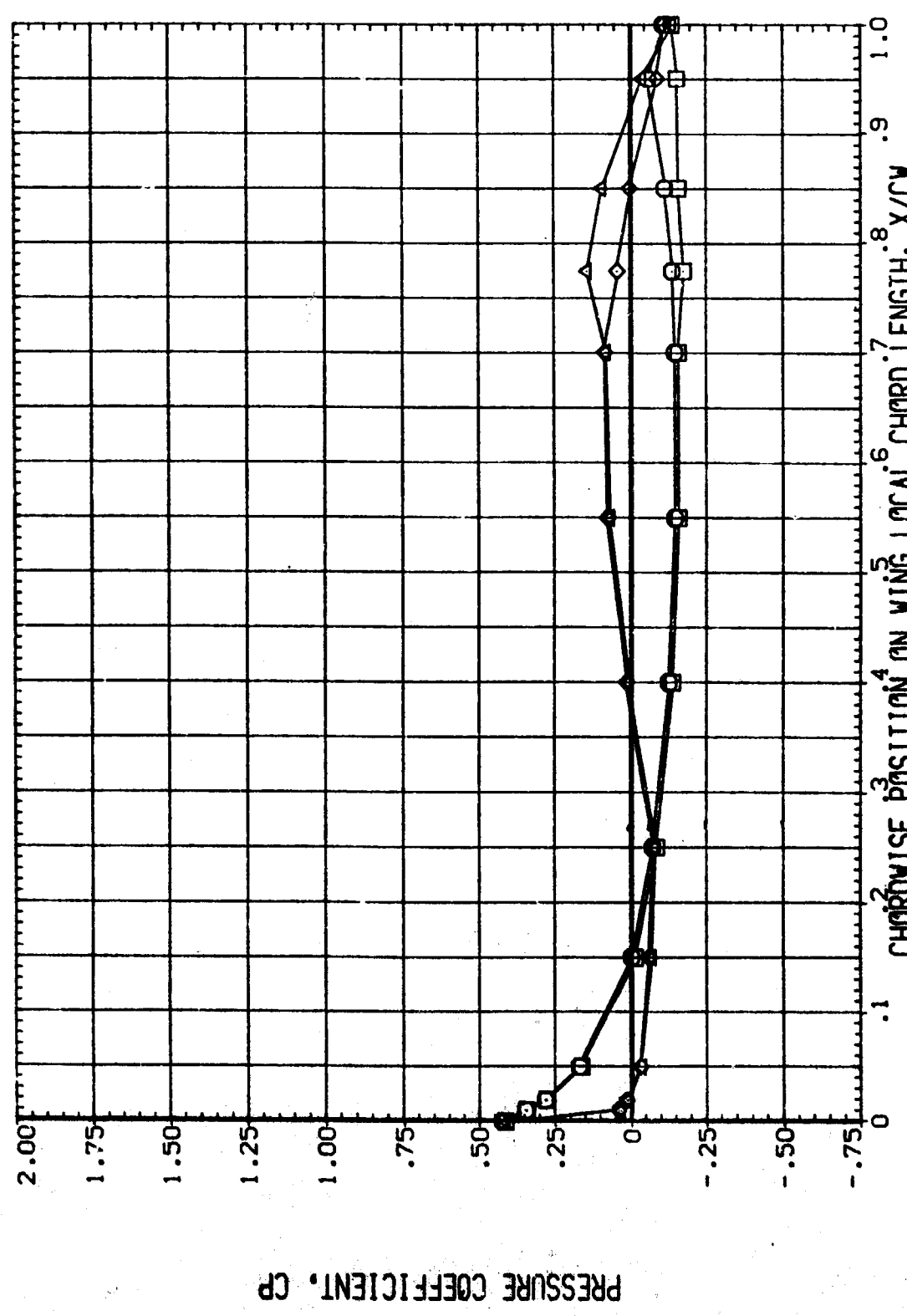


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETAC = 6.000 Y/BW = .673 PAGE 1624

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL36)	ARC97-019 IAB1 LVAPCALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

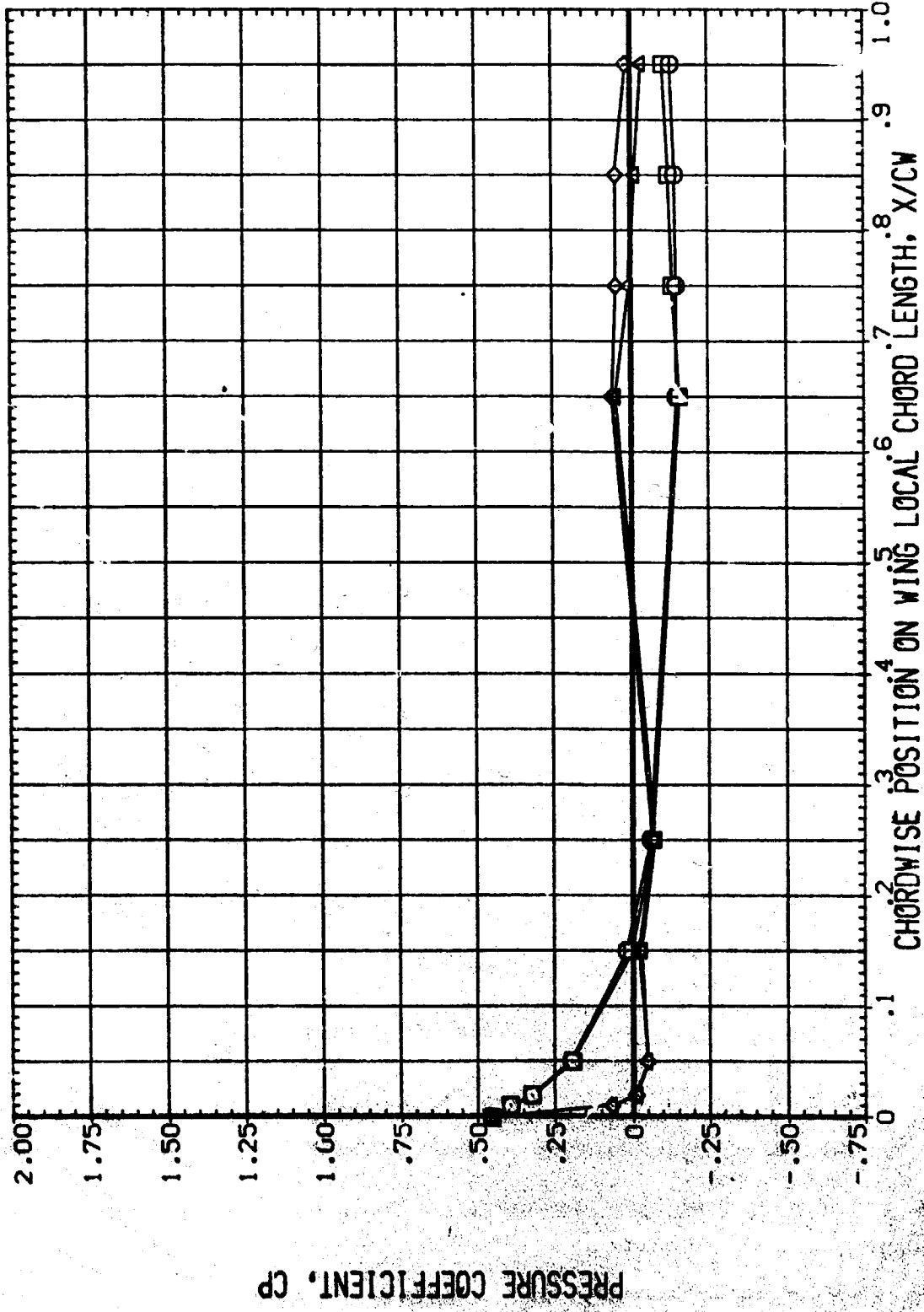


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = .000 BETA = 6.000 Y/BW = .780 PAGE 1625

DATA SET SYMBOL CONF'GURATION DESCRIPTION MACH ELY-1B RN/FT ELY-0B
 (BETU42) ARC97-019 (AB) LVAP(ALLML SEALED) 2.500 .000 2.500 .000
 (BETU08) ARC97-019 (AB) LVAP(ALLML SEALED) 2.500 8.000 2.500 -4.000
 (BETL42) ARC97-019 (AB) LVAP(ALLML SEALED) 2.500 .000 2.500 .000
 (BETL98) ARC97-019 (AB) LVAP(ALLML SEALED) 2.500 8.000 2.500 -4.000

LEFT WING TOP
 LEFT WING BOT.
 LEFT WING BOT.

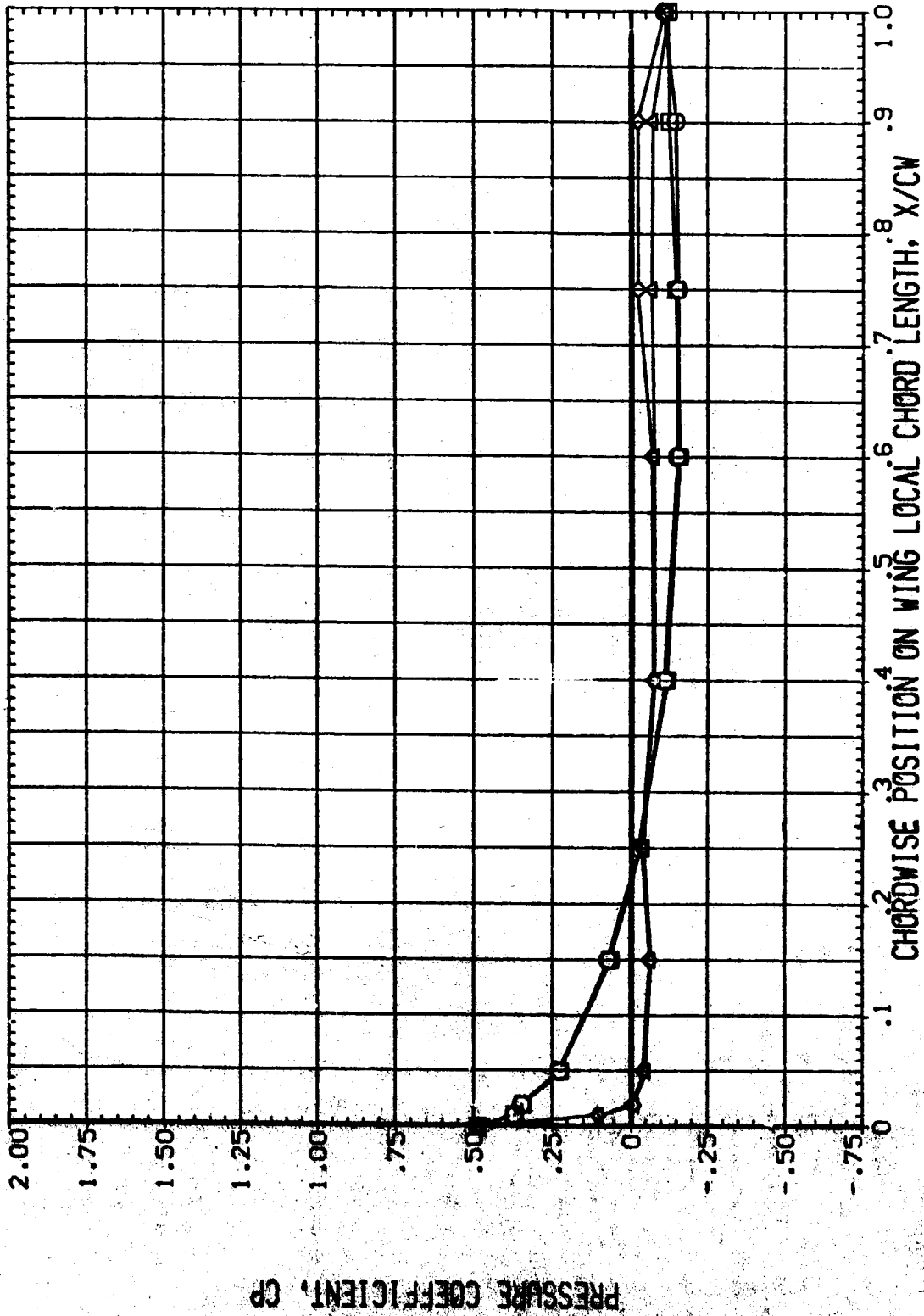


FIG. 66 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

ALPHA0 = .000 BETA0 = 6.000 Y/BW = .887 PAGE 1626

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(IETU42)	ARC97-019 (A81 LVAP(LALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 (A81 LVAP(LALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 (A81 LVAP(LALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 (A81 LVAP(LALLH SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

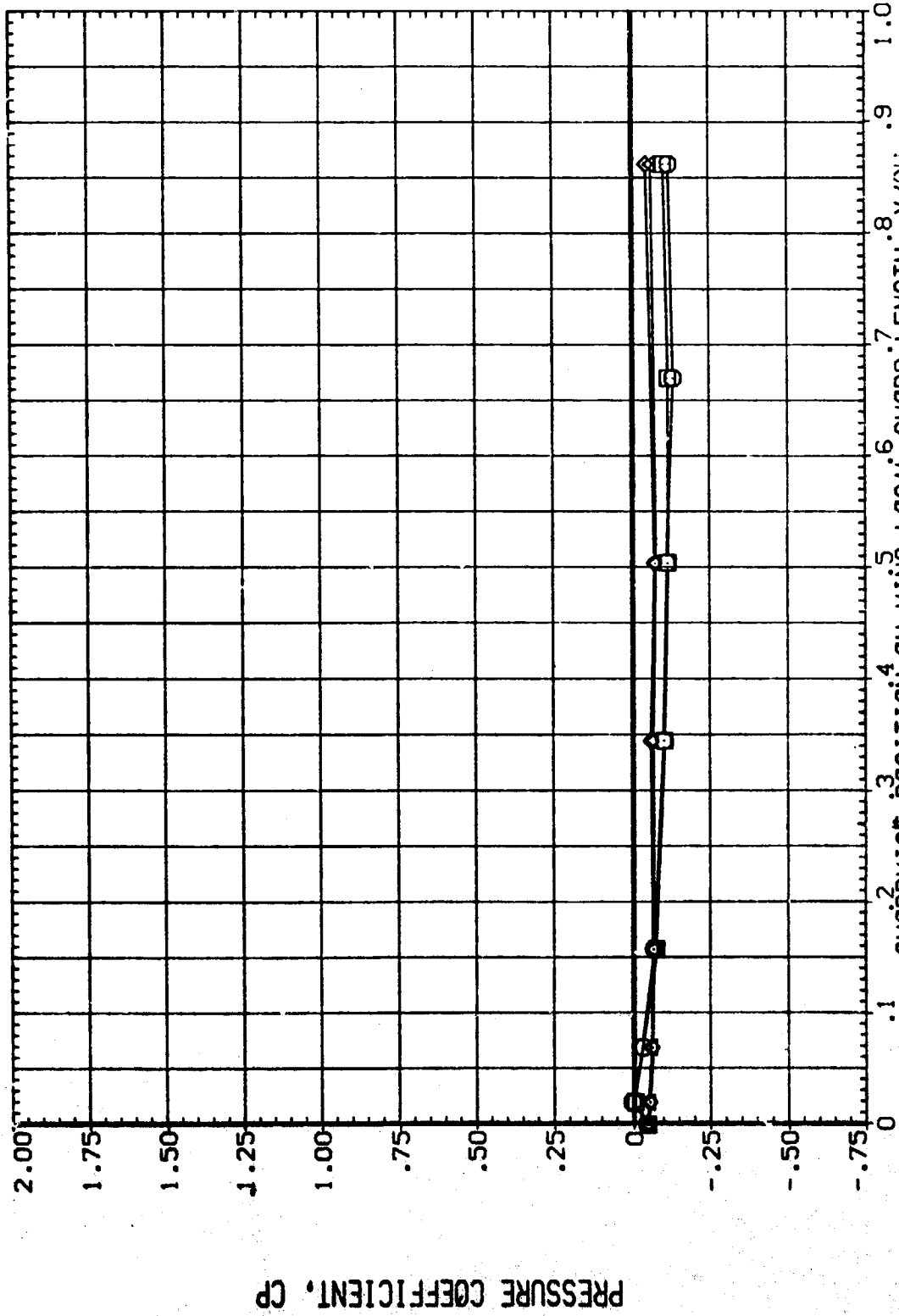
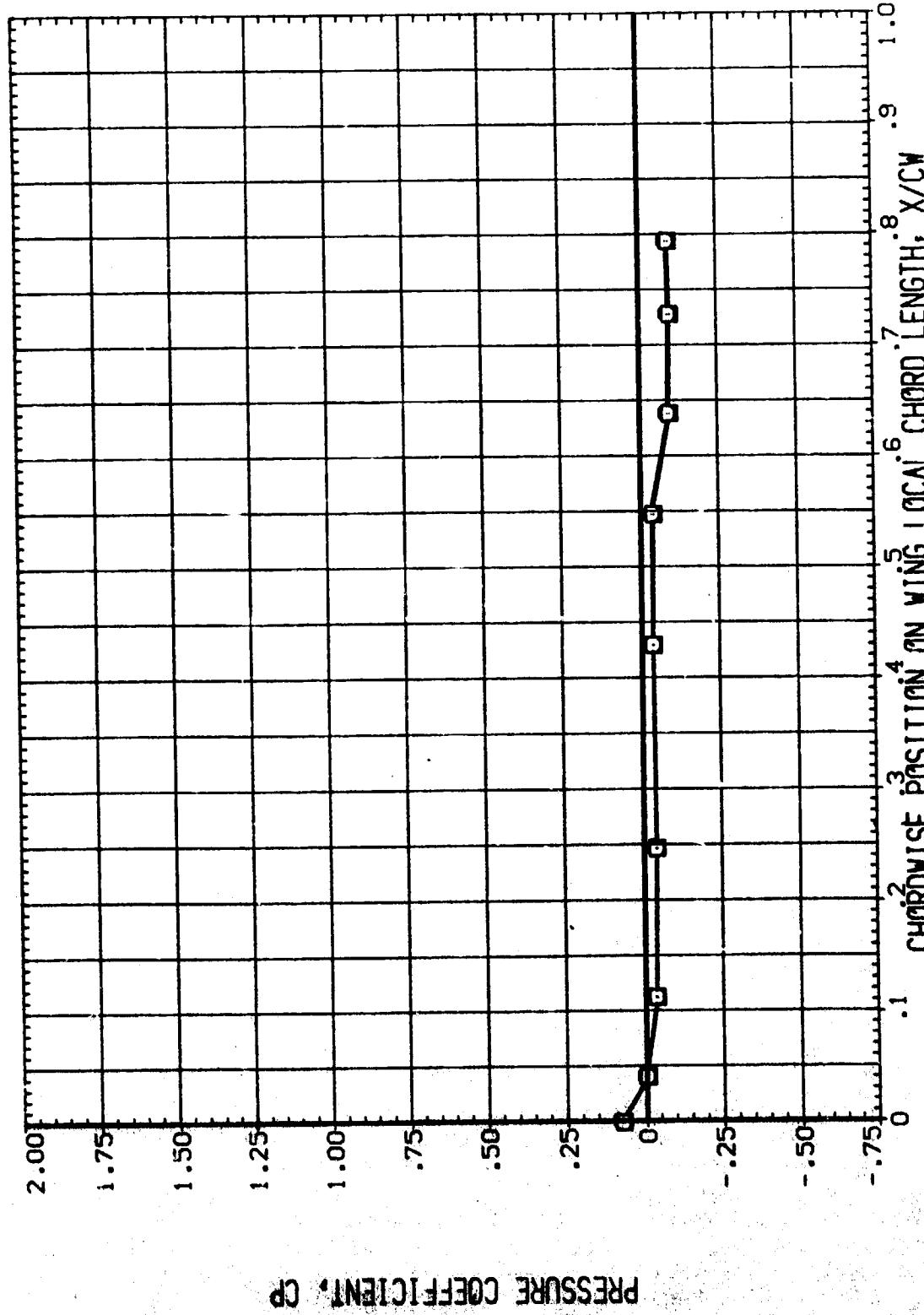


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = .000 BETA0 = 6.000 Y/BW = .972 PAGE 1627

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-0B
 (1ETU42) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (1ETU38) ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (1ETL42) DATA NOT AVAILABLE 2.500 .000 2.500 .000
 (1ETL38) DATA NOT AVAILABLE 2.500 8.000 2.500 -4.000

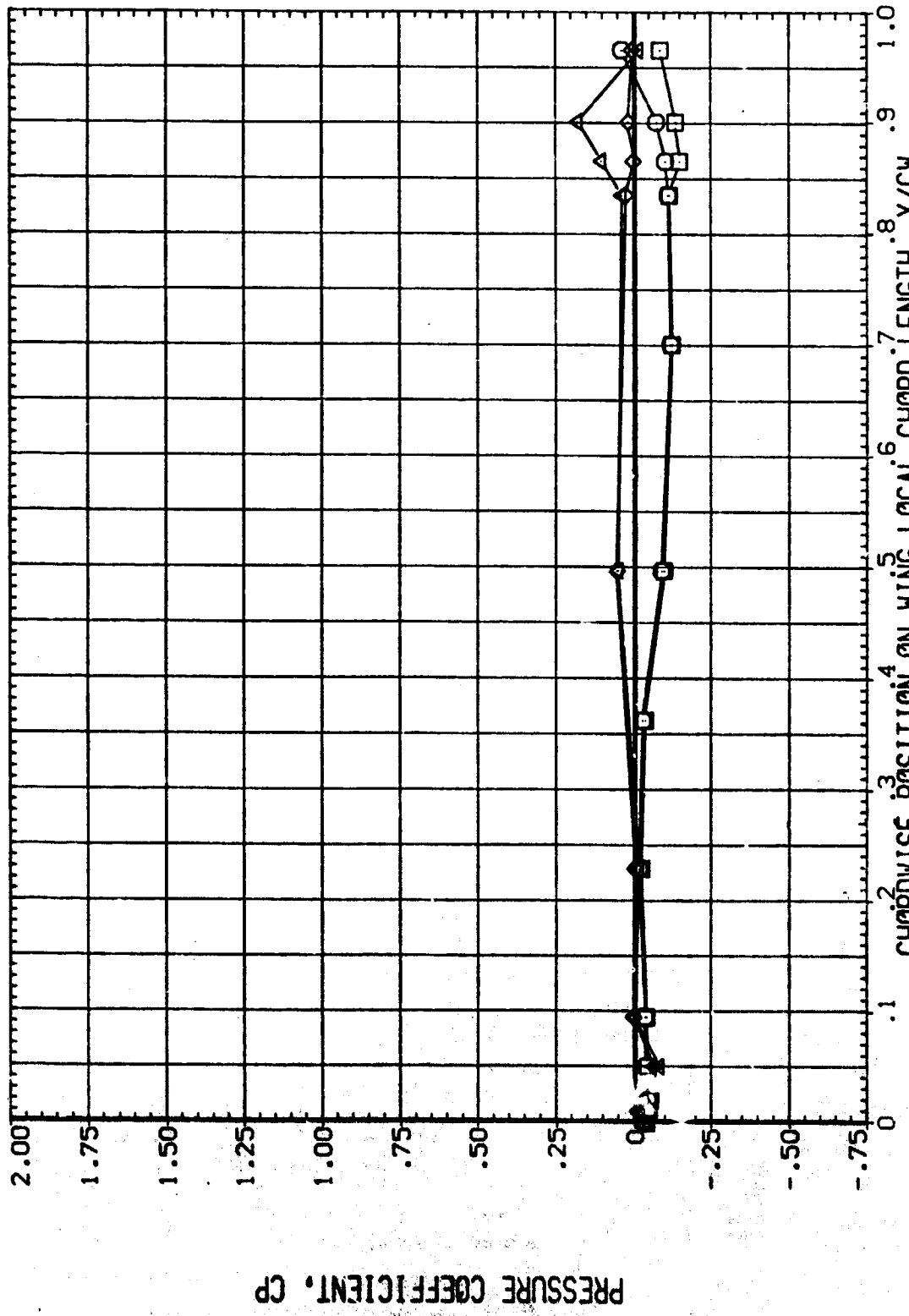


PRESSURE COEFFICIENT, CP

FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .235 PAGE 1628

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETL08)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0. MACH = 2.50
 ALPHA0 = 4.000 BETA0 = -4.000 Y/BW = .299 PAGE 1629

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAPCALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

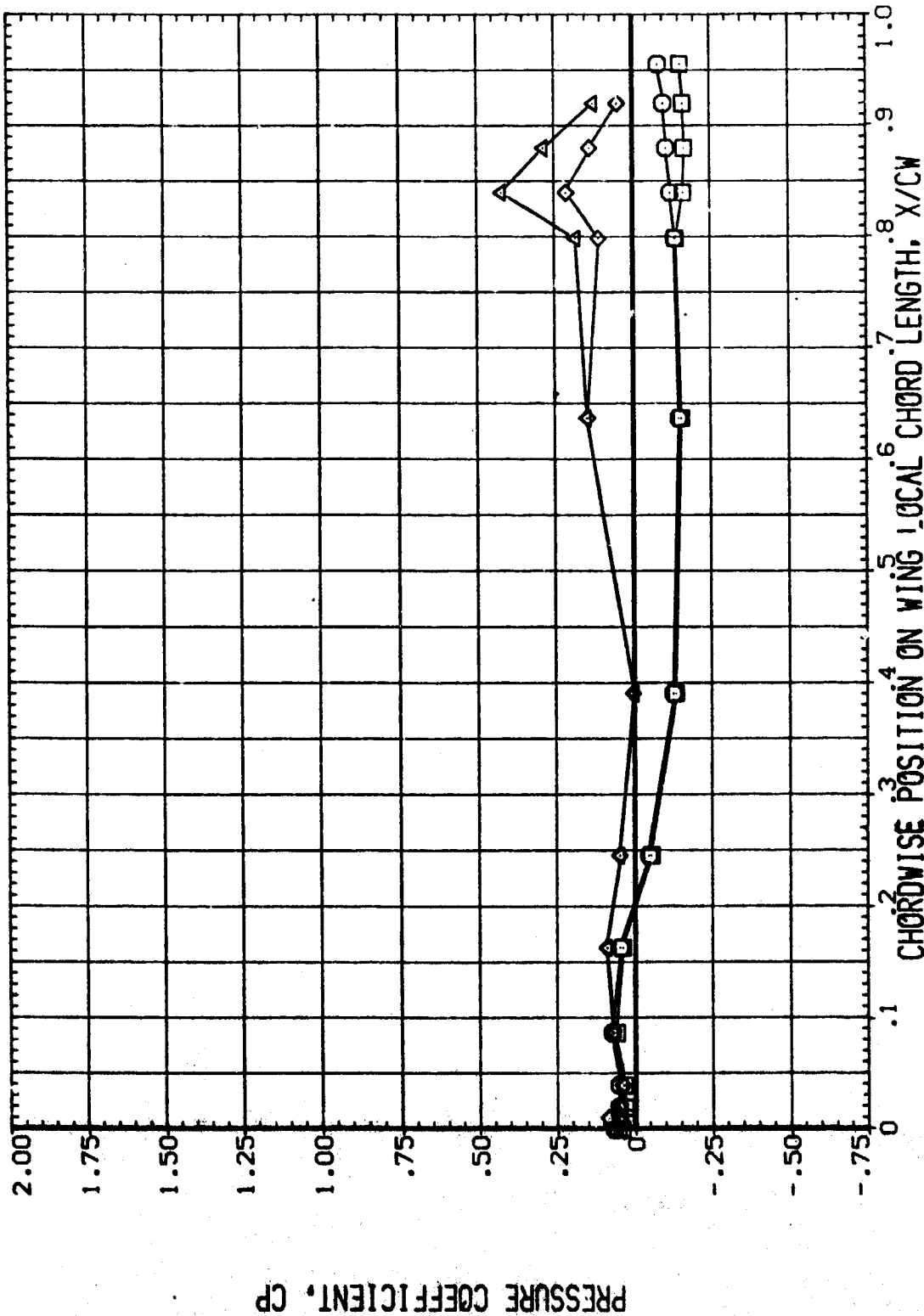
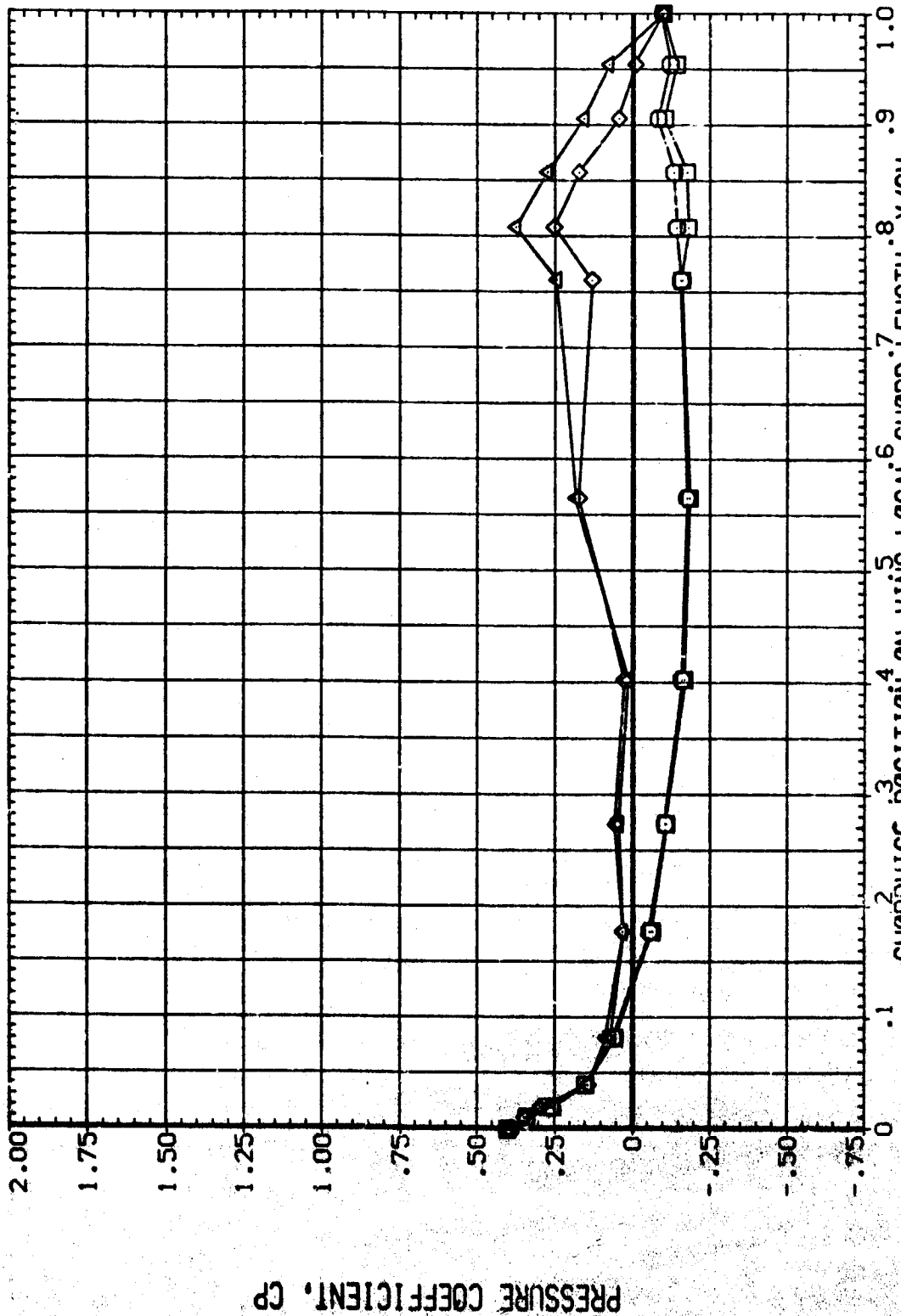


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

ALPHA = 4.000 BETA = -4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETU42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU28)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLML SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

ALPHA = 4.000 BETA = -4.000 Y/BW = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-18 RN/FT ELV-08

(IETM2) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(IETU3) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

(IETL42) ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT. 2.500 .000 2.500 .000

(IETL38) ARC57-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

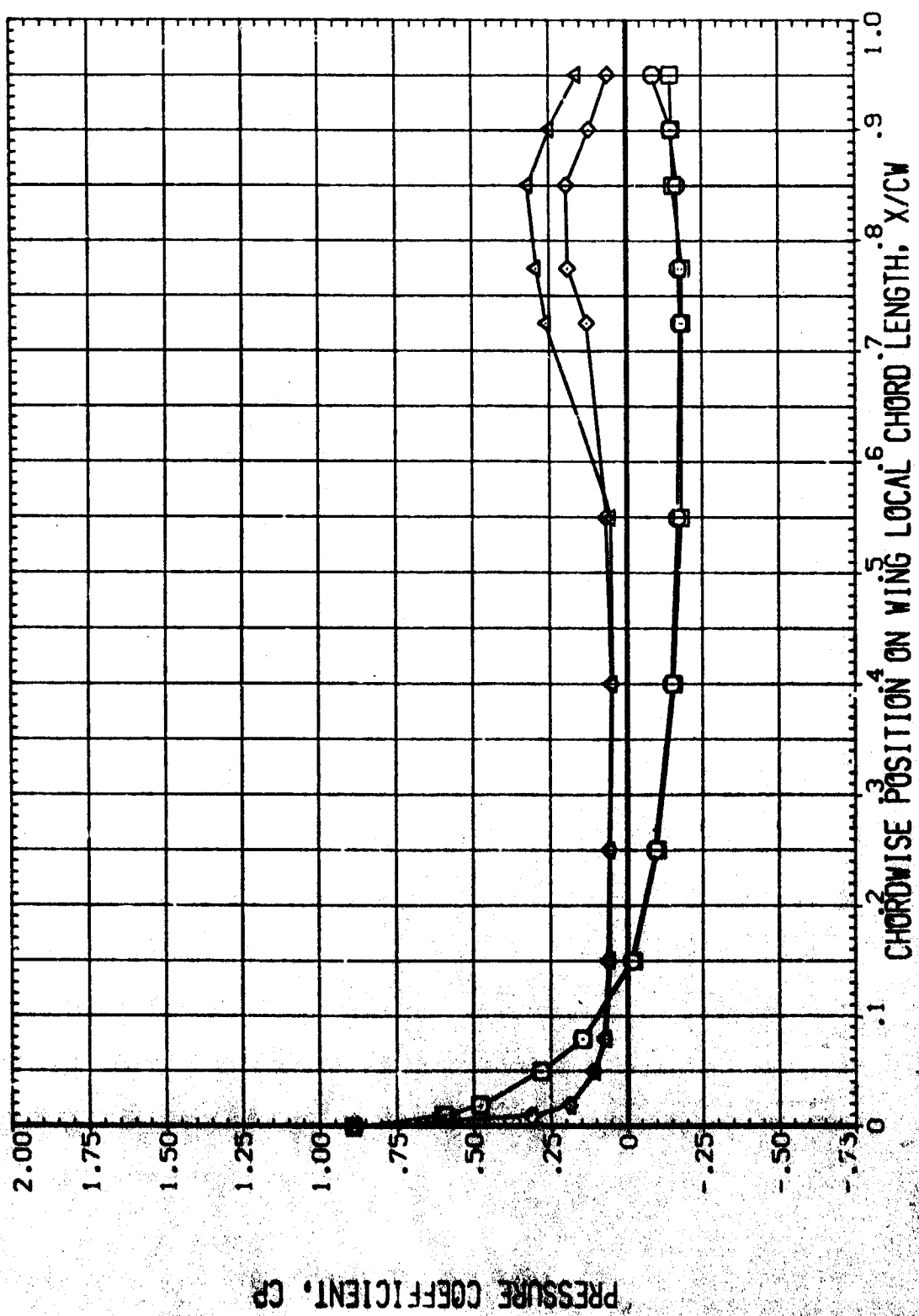


FIG. 88 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

ALPHA = 4.000 BETA0 = -4.000 Y/BW = .534 PAGE 1632

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELEV-18 RM/FT ELEV-08

(1ETM2) □ ARC37-019 IAS1 LVAP(ALL) SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(1ETM3) ○ ARC37-019 IAS1 LVAP(ALL) SEALED) LEFT WING BOT. 2.500 0.000 2.500 -4.000

(1ETL2) △ ARC37-019 IAS1 LVAP(ALL) SEALED) LEFT WING BOT. 2.500 .000 2.500 .000

(1ETL3) △ ARC37-019 IAS1 LVAP(ALL) SEALED) LEFT WING BOT. 2.500 0.000 2.500 -4.000

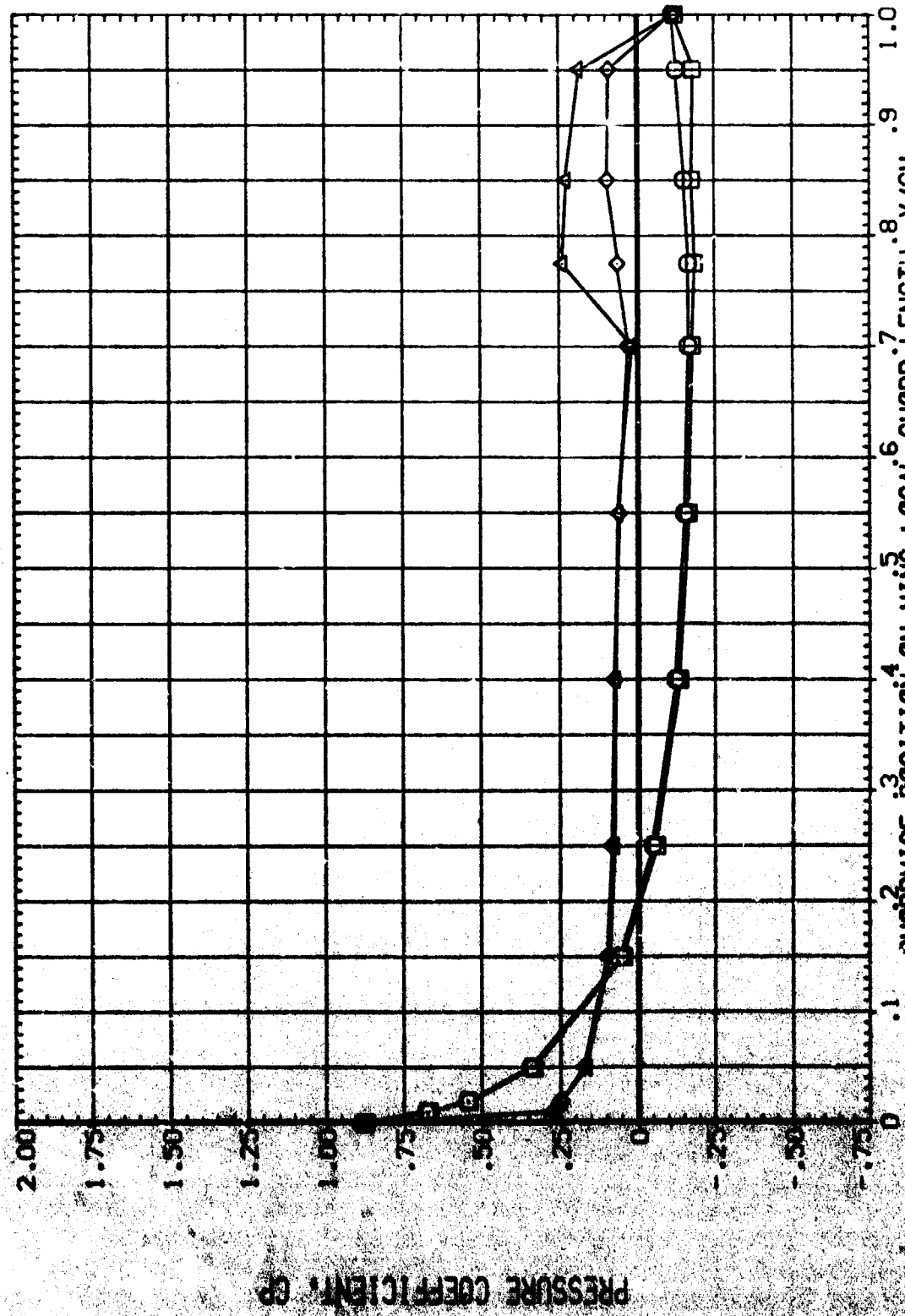
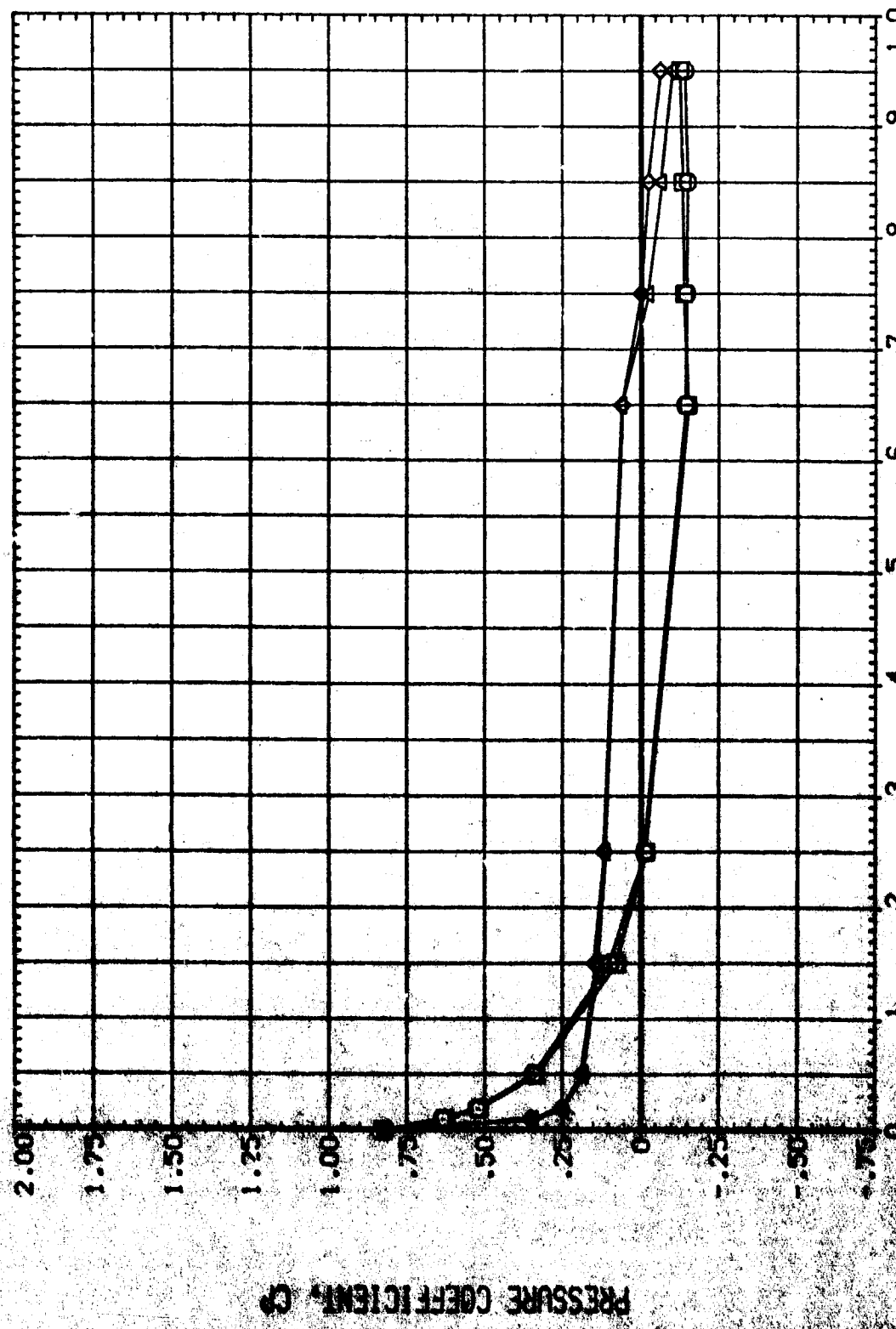


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = 4.000 BETA = -4.000 Y/BW = .673
 CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

DATA SET OWNER: CONFIGURATION DESCRIPTION
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)
 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20)



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW
 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 BETAO = -4.000 Y/BW = .780
 PAGE 1634

DATA SET SYMB.	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(H1042)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(H1043)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	0.000	2.500	-4.000
(H1044)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(H1045)	ARC97-019 IAS1 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	0.000	2.500	-4.000

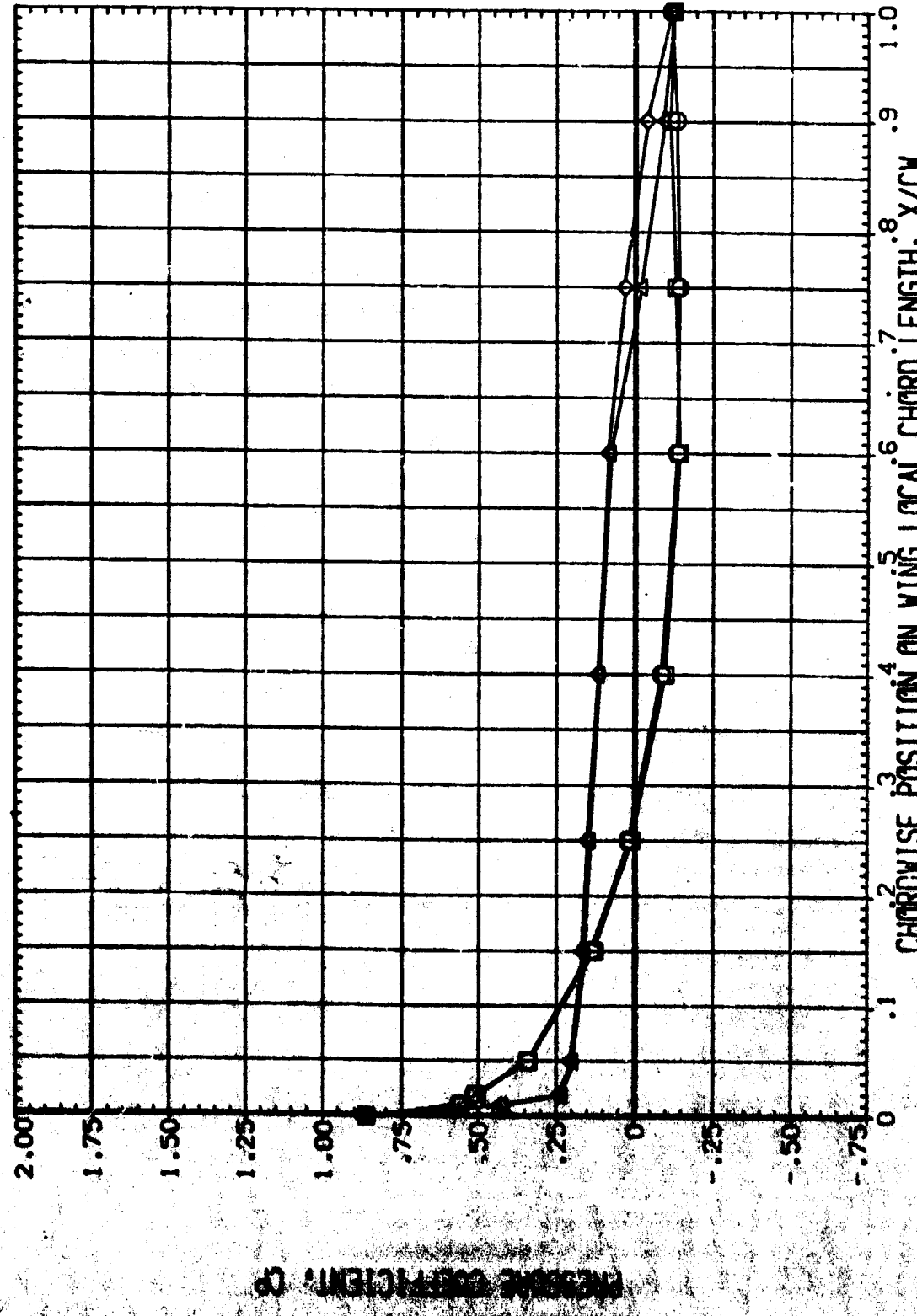
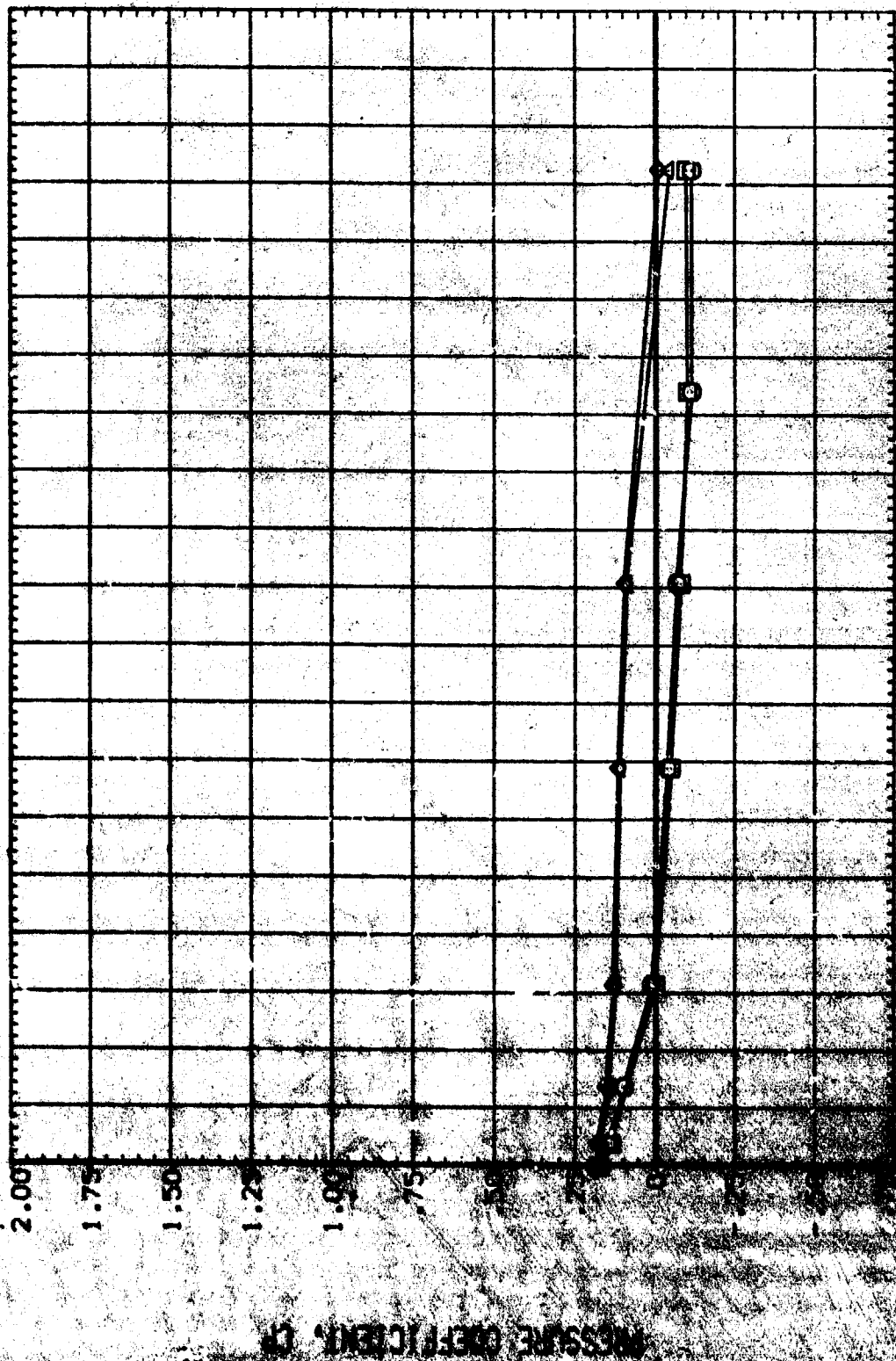


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA = 4.000 BETA = -4.000 Y/BW = .887 PAGE 1635

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(18702)	ANCH-019 (A8) LVAP(LALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(18703)	ANCH-019 (A8) LVAP(LALL) SEALED) LEFT WING BOT.	2.500	9.000	2.500	-4.000
(18704)	ANCH-019 (A8) LVAP(LALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(18705)	ANCH-019 (A8) LVAP(LALL) SEALED) LEFT WING BOT.	2.500	9.000	2.500	-4.000



CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CH

CHORDWISE PRESS. COEFF., ELEVON EFFECT. SPEED = 0, MACH = 2.50

REF. SETTING = -4.000 Y/BW = .972

PAGE 1636

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IETM2)	ARC97-019 (ABI LVAP(ALLHL SEALED))	2.500	.000	2.500	.000
(IETU38)	ARC97-019 (ABI LVAP(ALLHL SEALED))	2.500	8.000	2.500	-4.000
(IETL42)	DATA NOT AVAILABLE	2.500	.000	2.500	.000
(IETL38)	DATA NOT AVAILABLE	2.500	8.000	2.500	-4.000

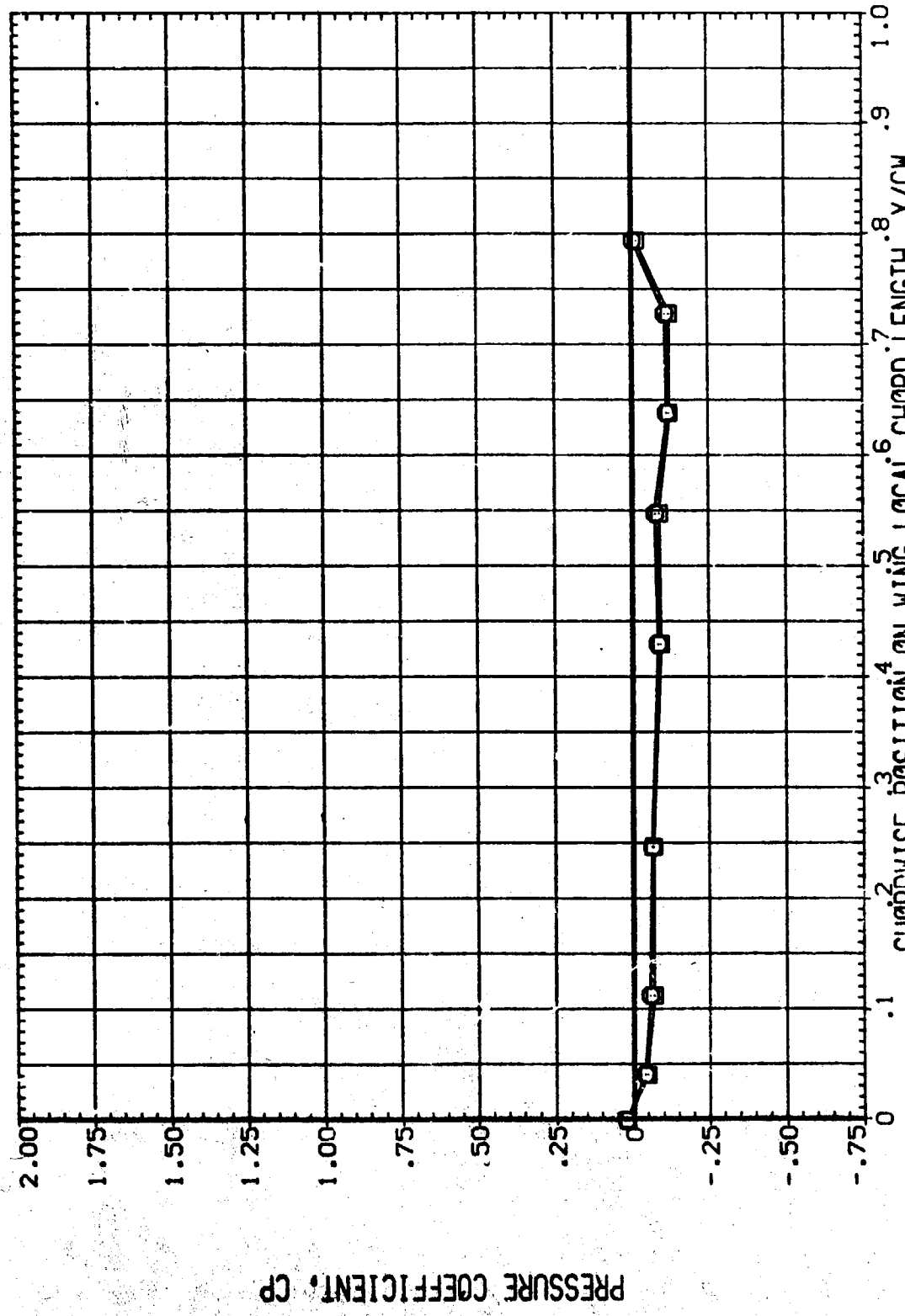


FIG. 68 WING CHORDWISE PRESS. DIST.: ELEVON EFFECT, SPDBRK = 0. MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETM2)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU3)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 (AB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

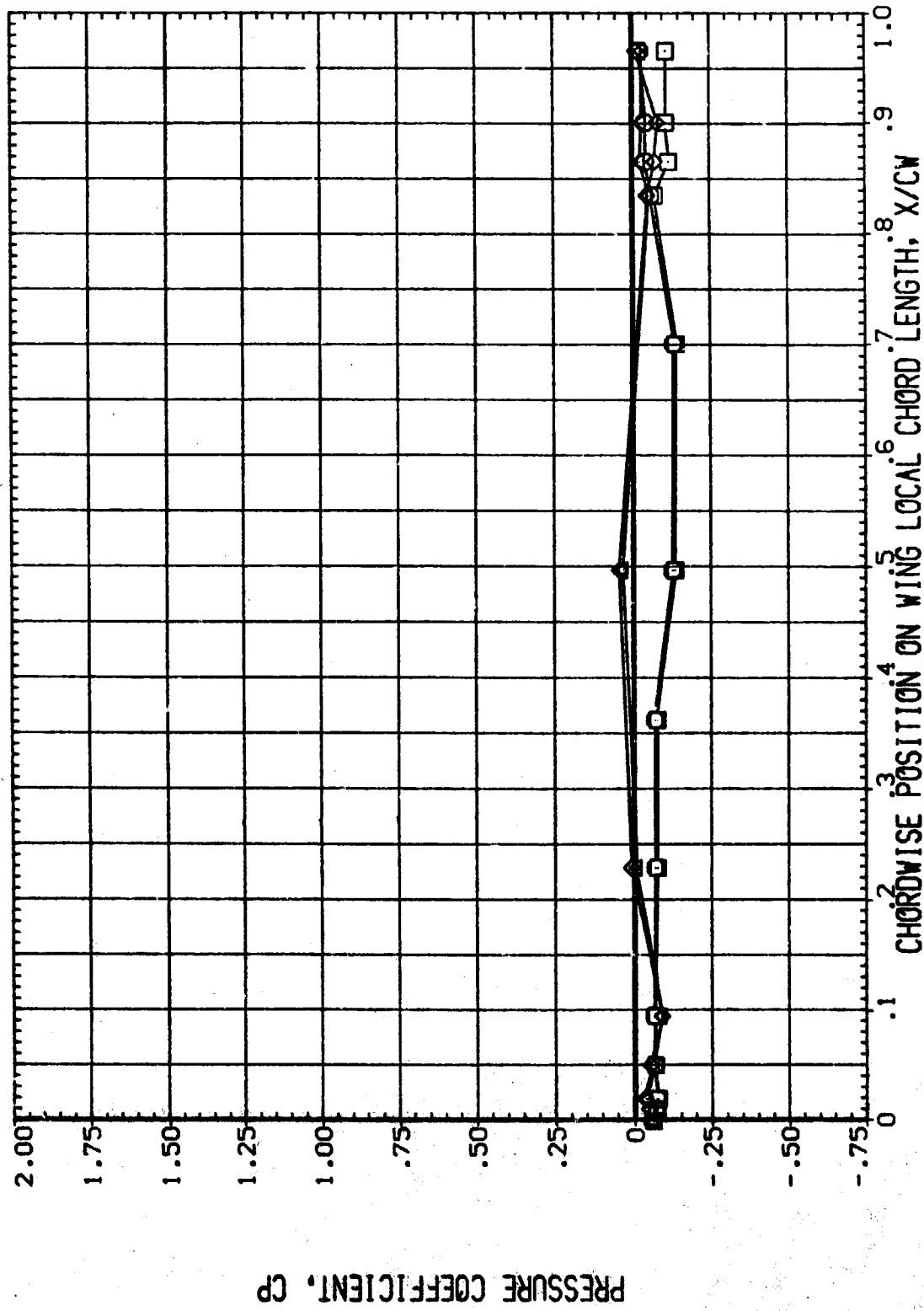
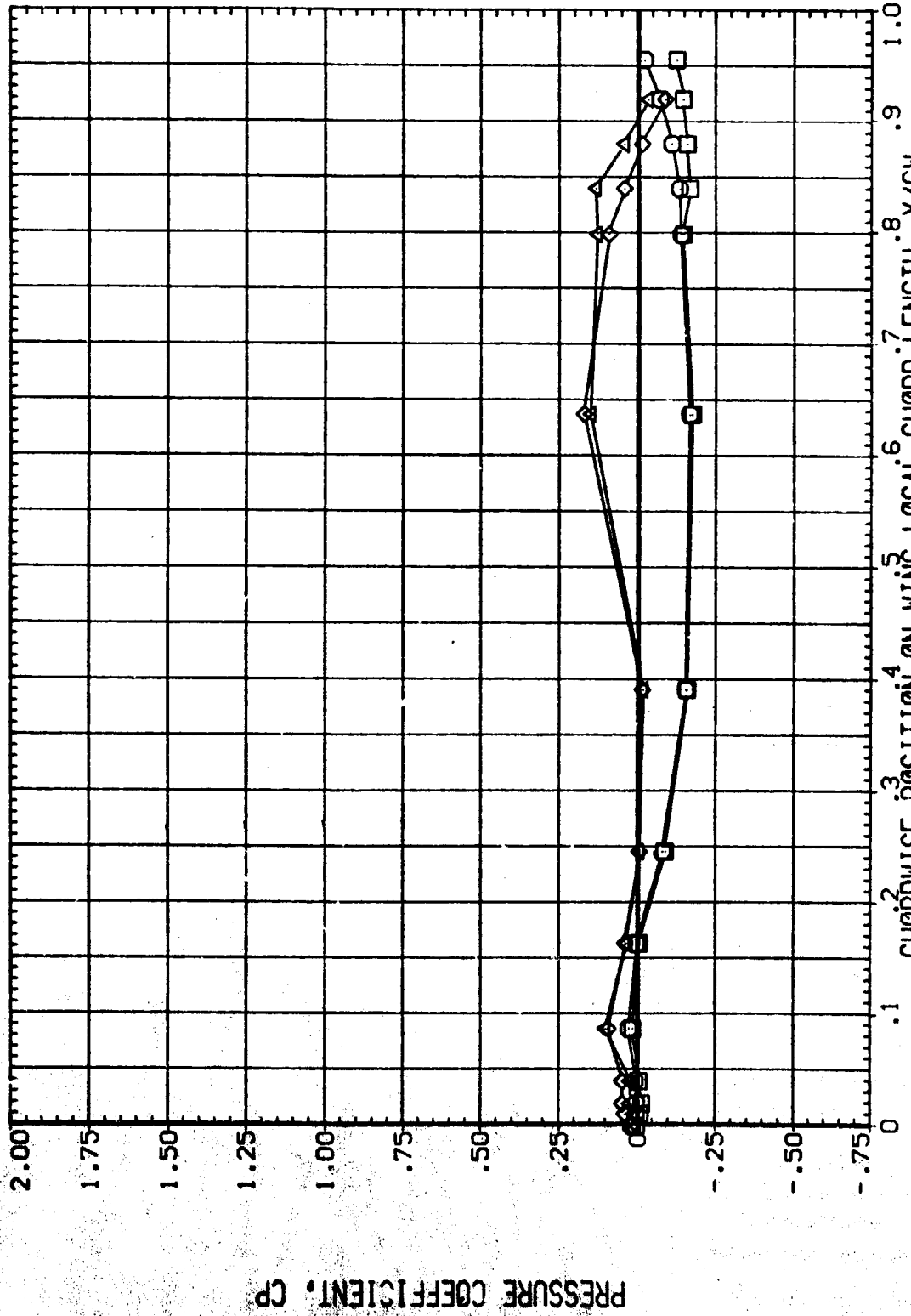


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = 4.000 BETA = .000 Y/BW = .299 PAGE 1638

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETM2)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU3)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

ALPHA0 = 4.000 BETA0 = .000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(JETU42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(JETU38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(JETL42)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(JETL38)	ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

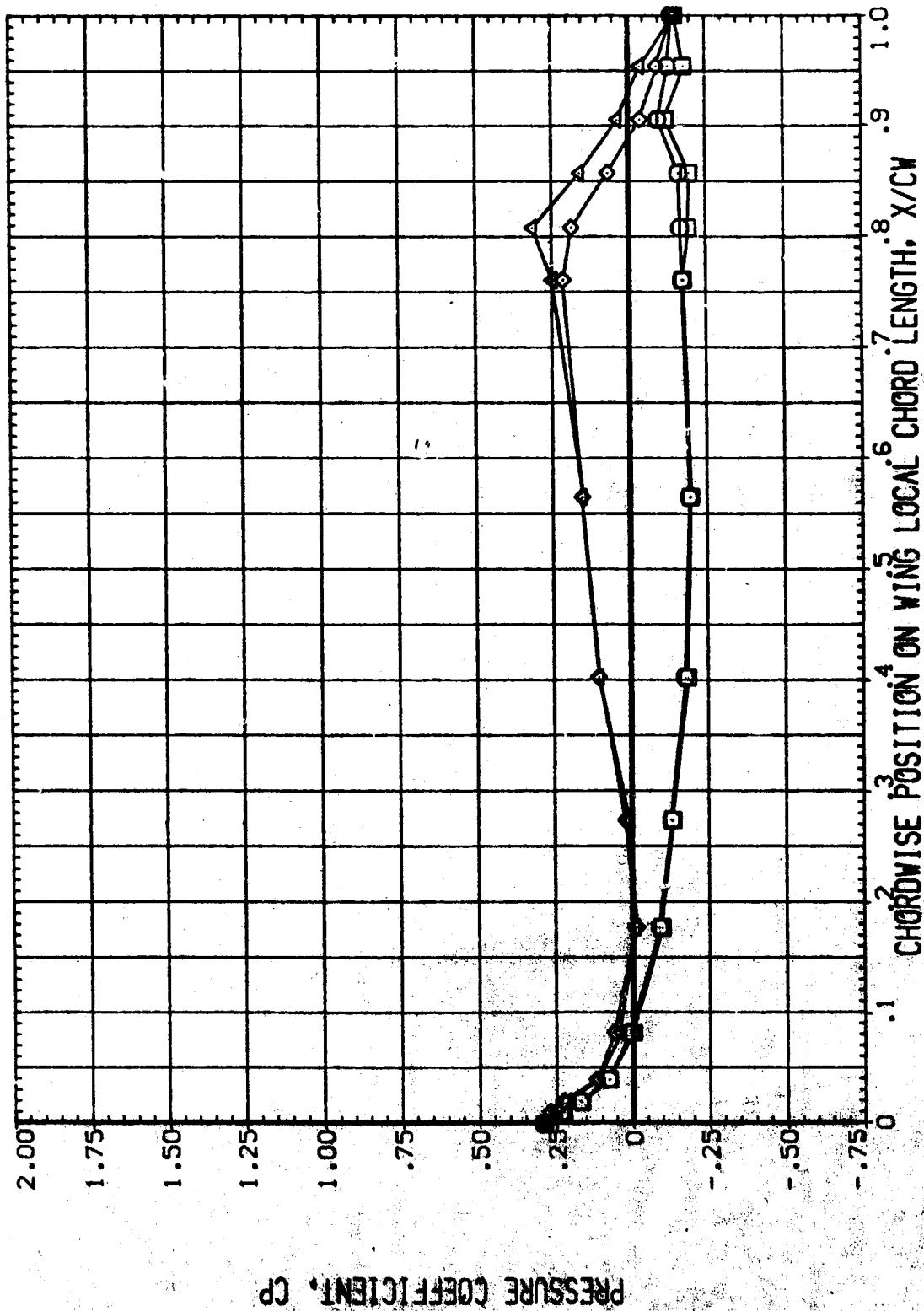


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA= 4.000 BETA= .000 Y/BW = .427 PAGE 1640

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ET.42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1E(L38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

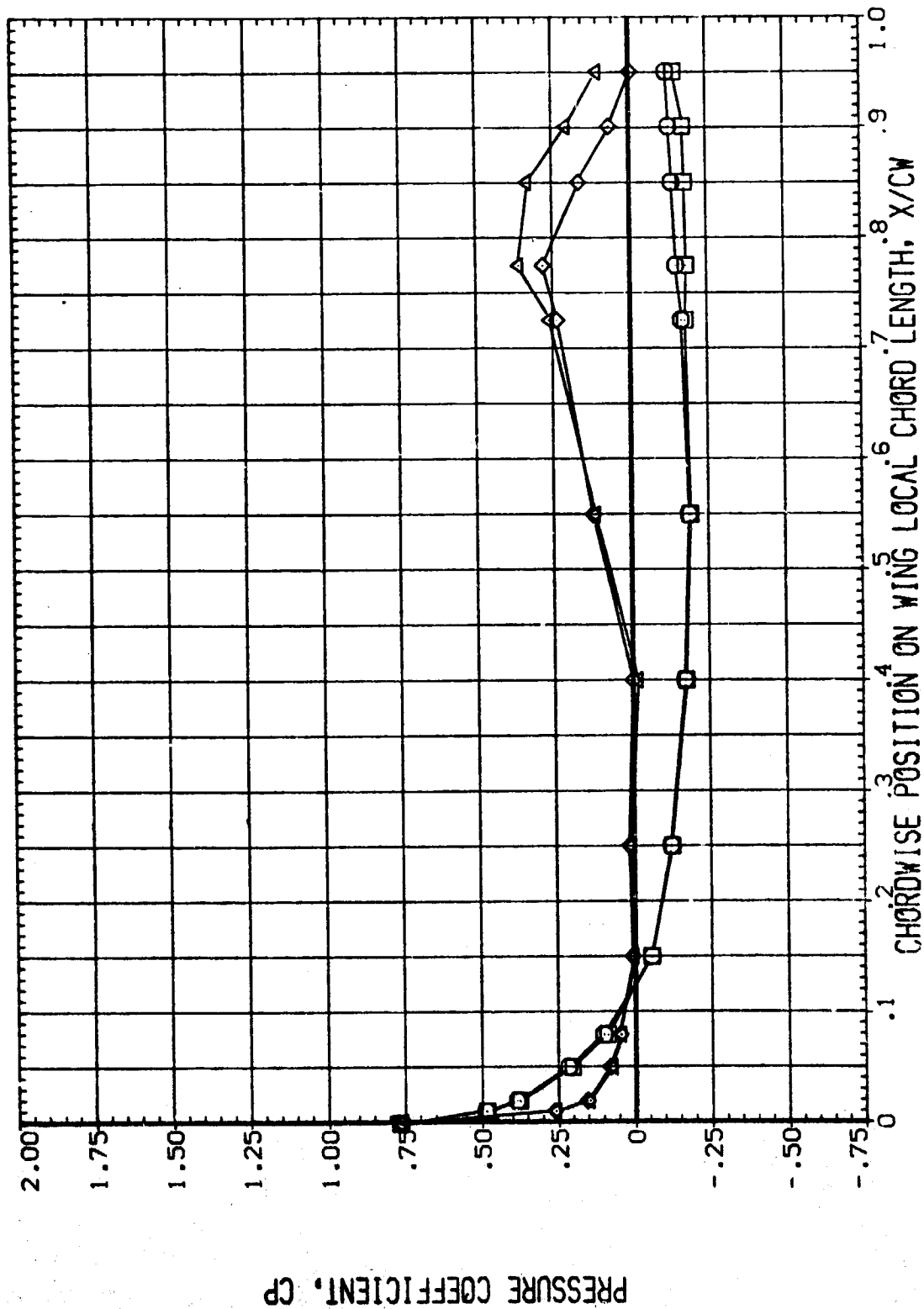


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETUM2)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

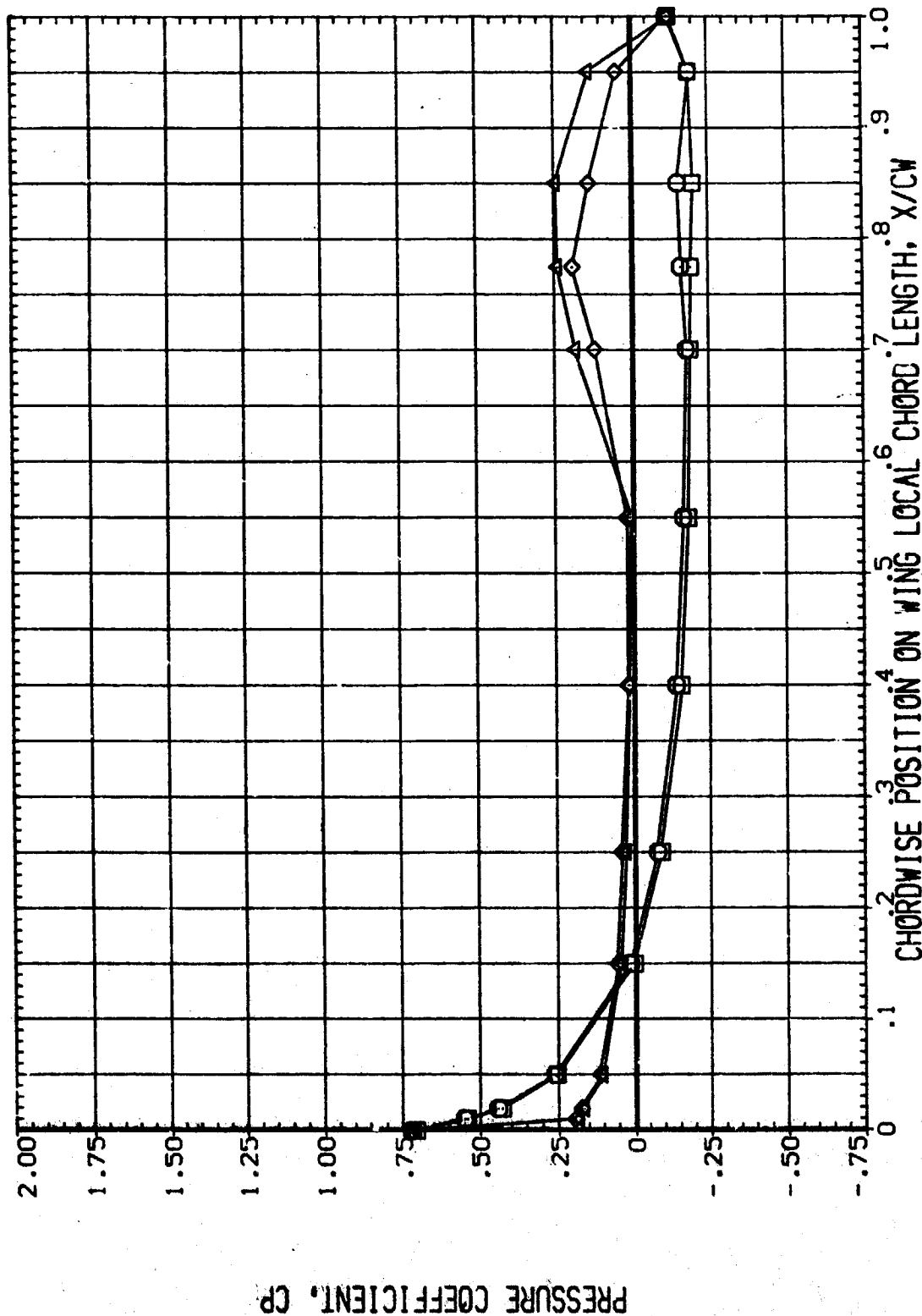


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPOBRK = 0. MACH = 2.50

ALPHA = 4.000 BETA = .000 Y/BW = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-IB	RN/FT	ELV-OB
(IETU42)	ARC97-019 (ABI LVAP(ALLH SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 (ABI LVAP(ALLH SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 (ABI LVAP(ALLH SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 (ABI LVAP(ALLH SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

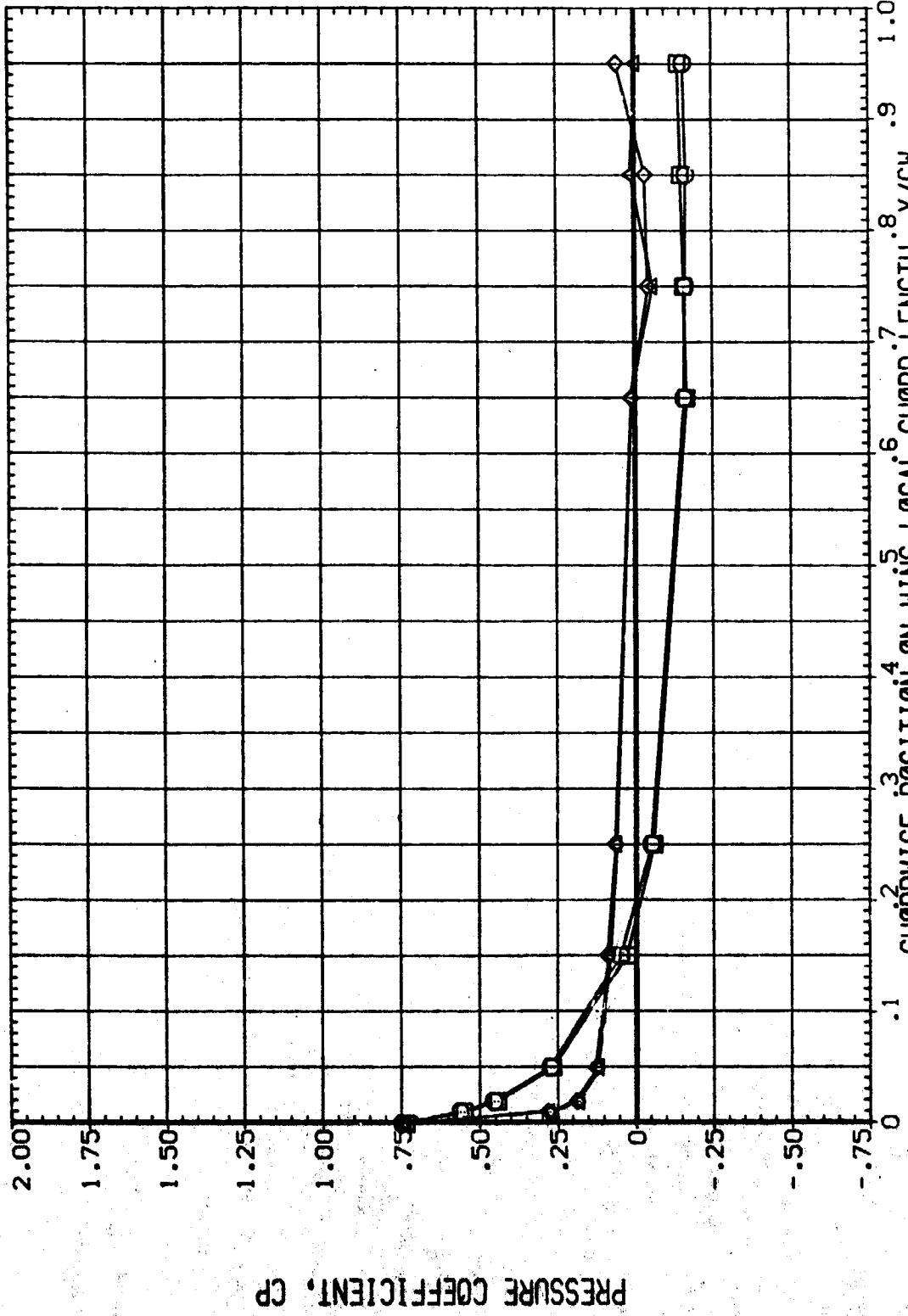


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0, MACH = 2.50
 ALPHA= 4.000 BETA= .000 Y/BW = .780 PAGE 1643

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-IB RN/FT ELV-OB
 (IETM2) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (IETU38) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (IETL42) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT. 2.500 .000 2.500 .000
 (IETL38) ARC97-019 IAB1 LVAP(ALLH SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

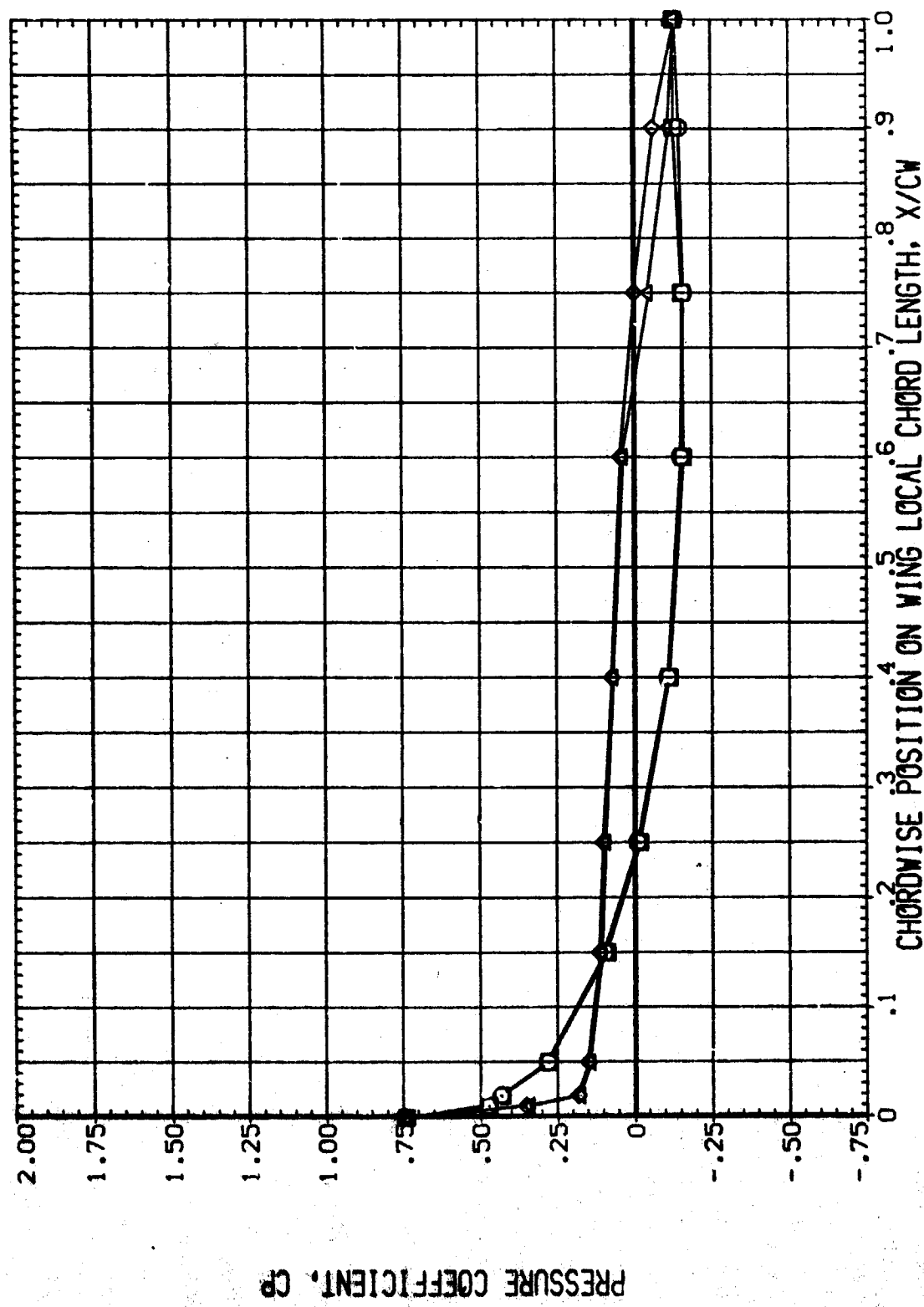


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .887 PAGE 1644

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

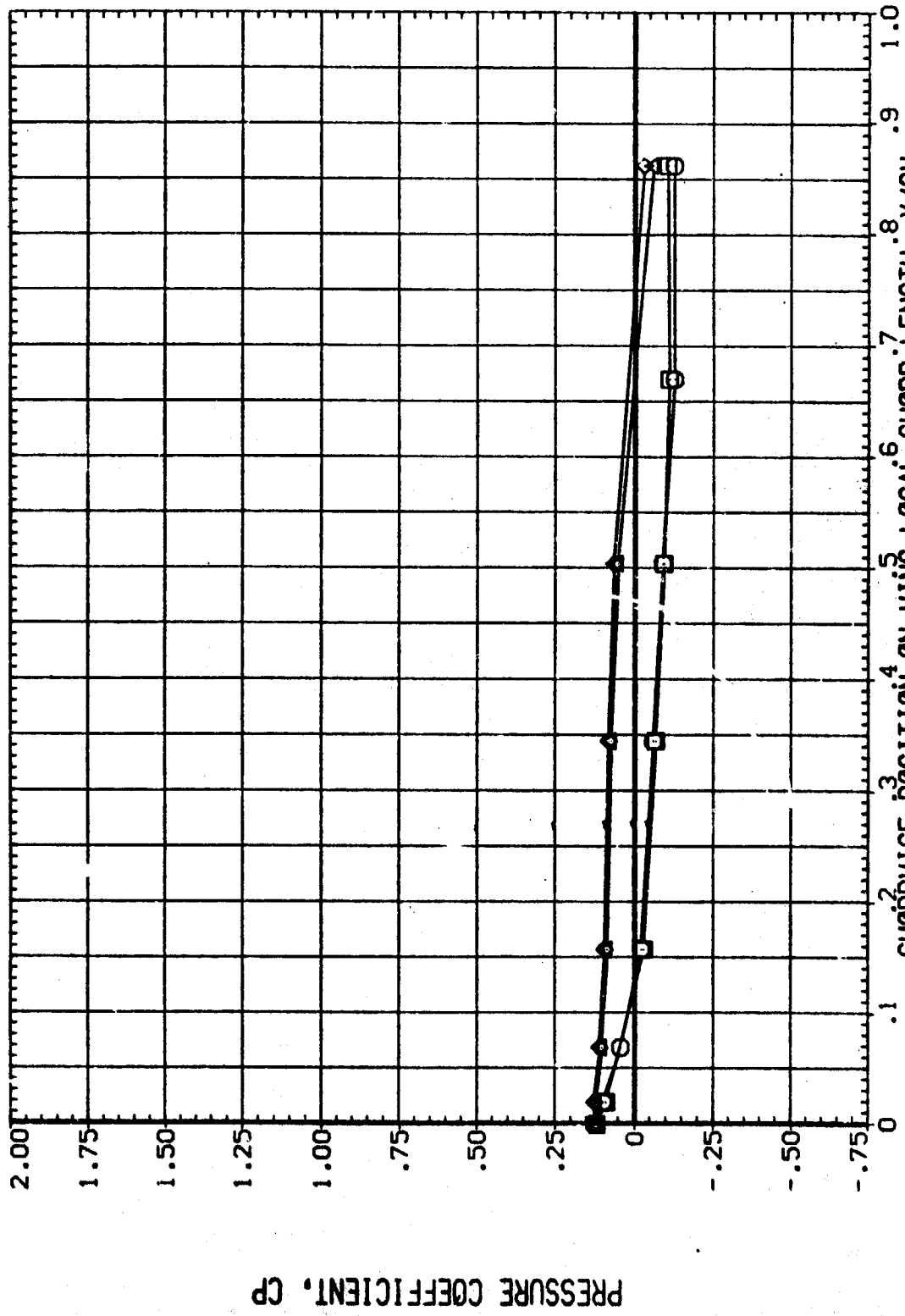


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = 4.000 BETA0 = .000 Y/BW = .972

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (1ETU42) ARC97-019 (A8) LVAP(ALL) SEALED) LEFT WING TOP
 (1ETU98) ARC97-019 (A8) LVAP(ALL) SEALED) LEFT WING TOP
 (1ETL42) DATA NOT AVAILABLE
 (1ETL38) DATA NOT AVAILABLE

MACH ELV-18 RN/FT ELV-08
 2.500 .000 2.500 .000
 2.500 8.000 2.500 -4.000
 2.500 8.000 2.500 -4.000

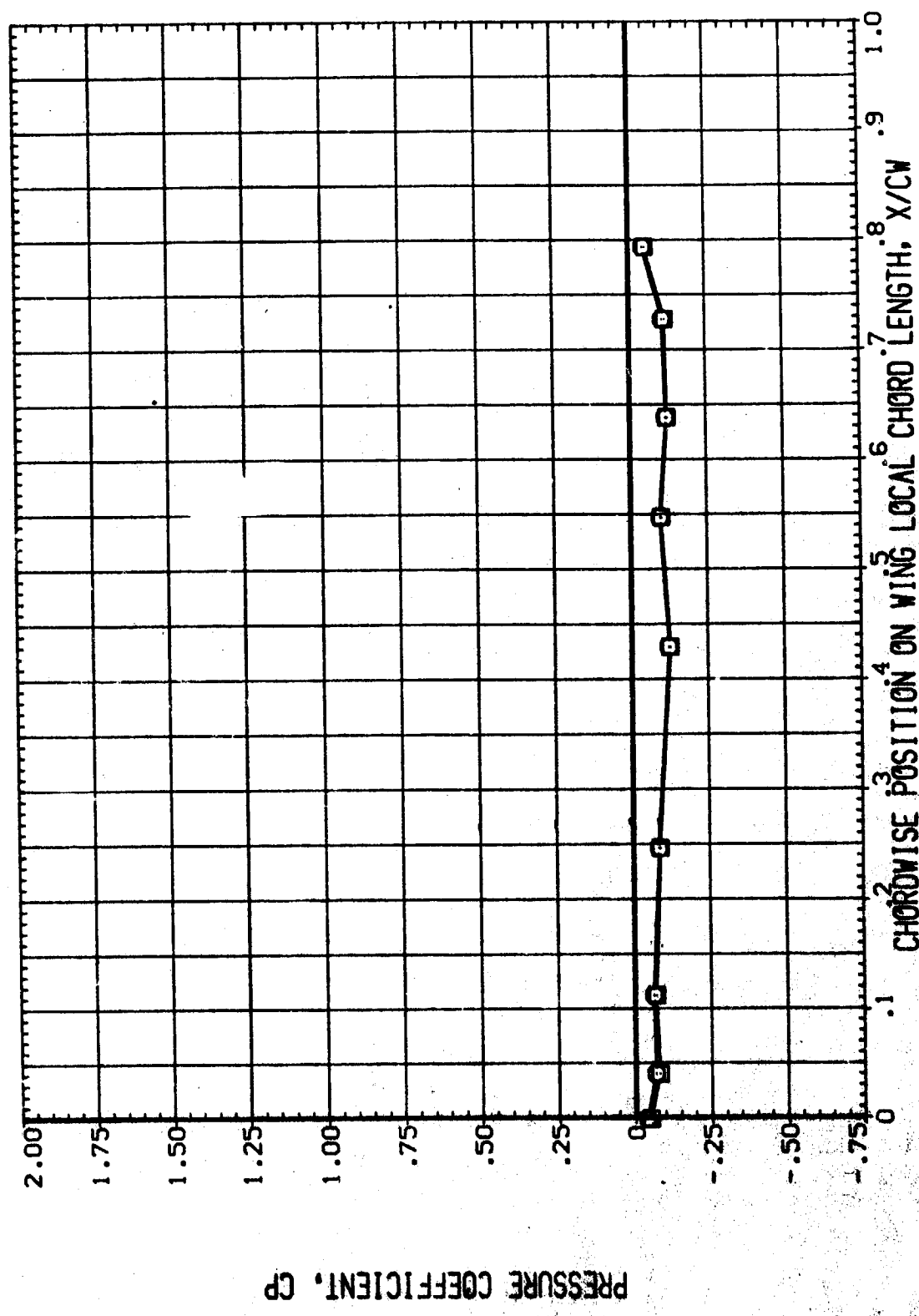
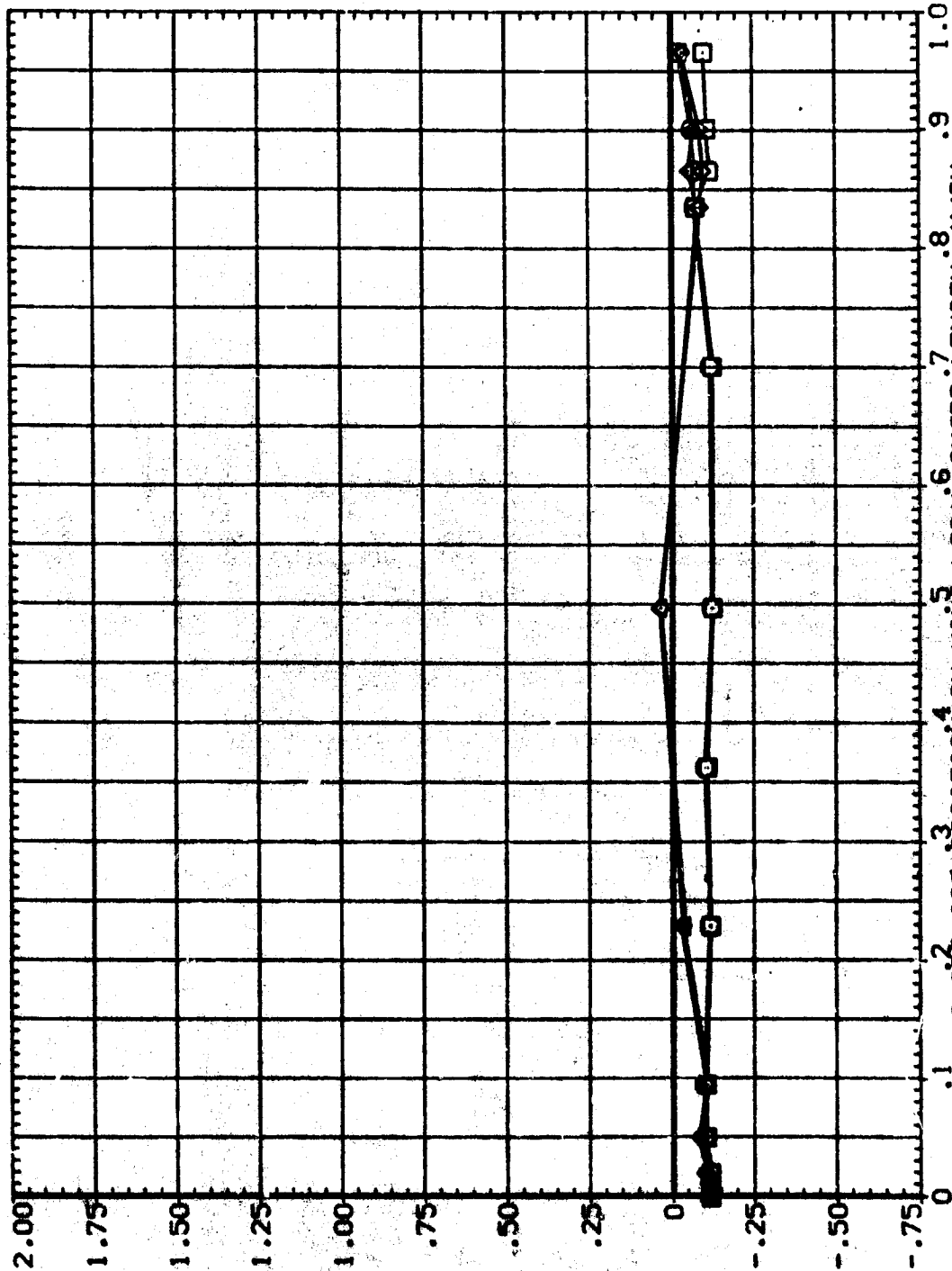


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .235

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(IETU42)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU98)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAS1 LVAP(ALLM SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION³ ON WING LOCAL CHORD LENGTH⁶, X/CW

WING CHORDWISE PRESS. DIST. ELEVATION EFFECT. SPEED - 0 MACH - 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(1ETU42)	ARC97-019 [A8] LVAP(ALLM SEALED)	2.508	.000	2.500	.000
(1ETU28)	ARC97-019 [A8] LVAP(ALLM SEALED)	2.508	8.000	2.500	-4.000
(1ETU43)	ARC97-019 [A8] LVAP(ALLM SEALED)	2.500	.000	2.500	.000
(1ETU38)	ARC97-019 [A8] LVAP(ALLM SEALED)	2.500	8.000	2.500	-4.000

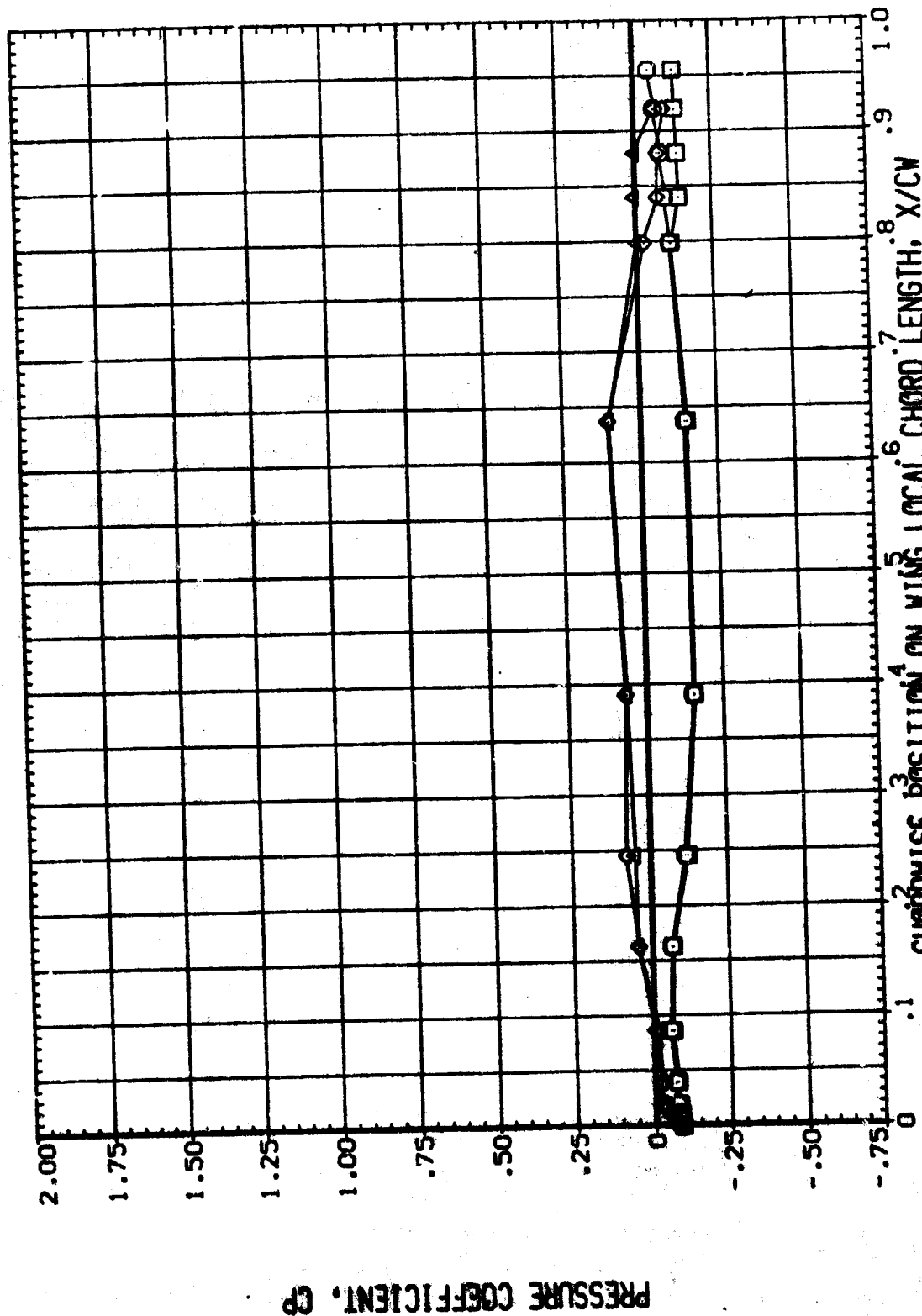


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA= 4.000 BETA= 4.000 Y/BW = .364

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-18	RN/FT	ELV-08
(IETM2)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETM3)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC37-019 IAB1 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

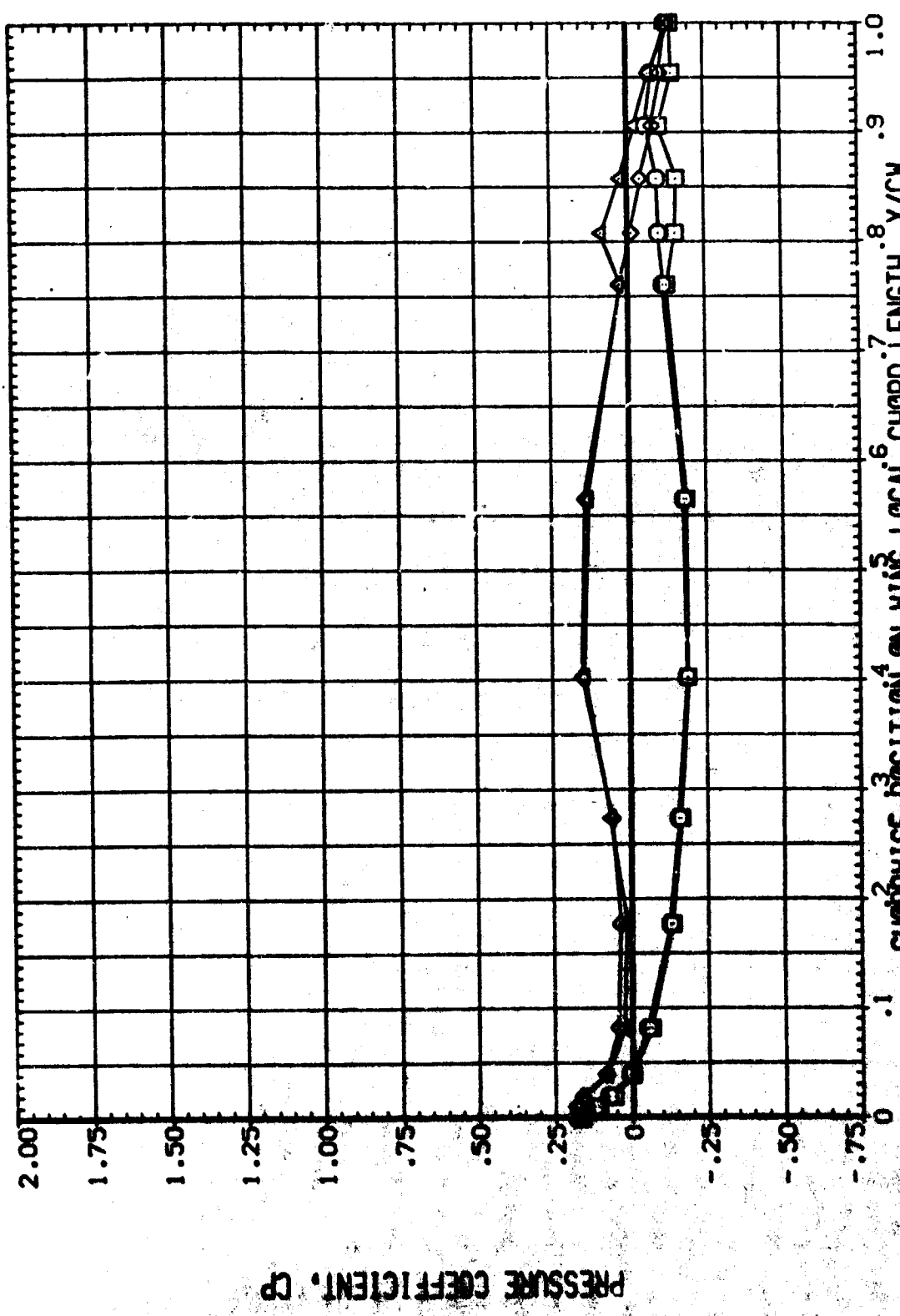


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA = 4.000 BETA = 4.000 Y/BW = .427

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(FETM2)	□	ARC97-019 (AS) LVAP(ALLAL SEALED)	2.500	.000	2.500	.000
(FETM8)	○	ARC97-019 (AS) LVAP(ALLAL SEALED)	2.500	8.000	2.500	-4.000
(FETL42)	△	ARC97-019 (AS) LVAP(ALLAL SEALED)	2.500	.000	2.500	.000
(FETL38)	◇	ARC97-019 (AS) LVAP(ALLAL SEALED)	2.500	8.000	2.500	-4.000

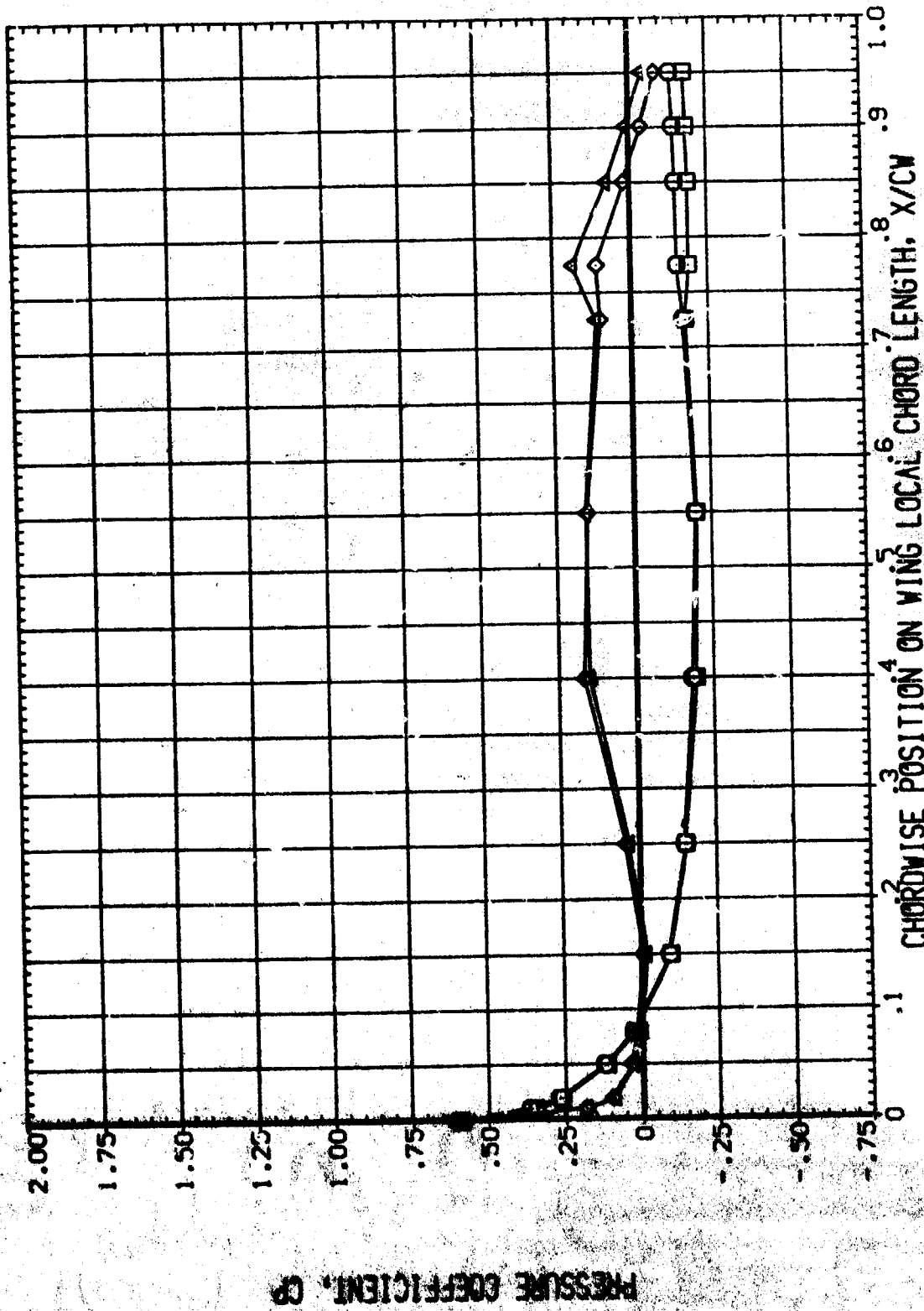


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT, SPOBRK = 0. MACH = 2.50
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(IETU42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETU42)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 [A8] LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

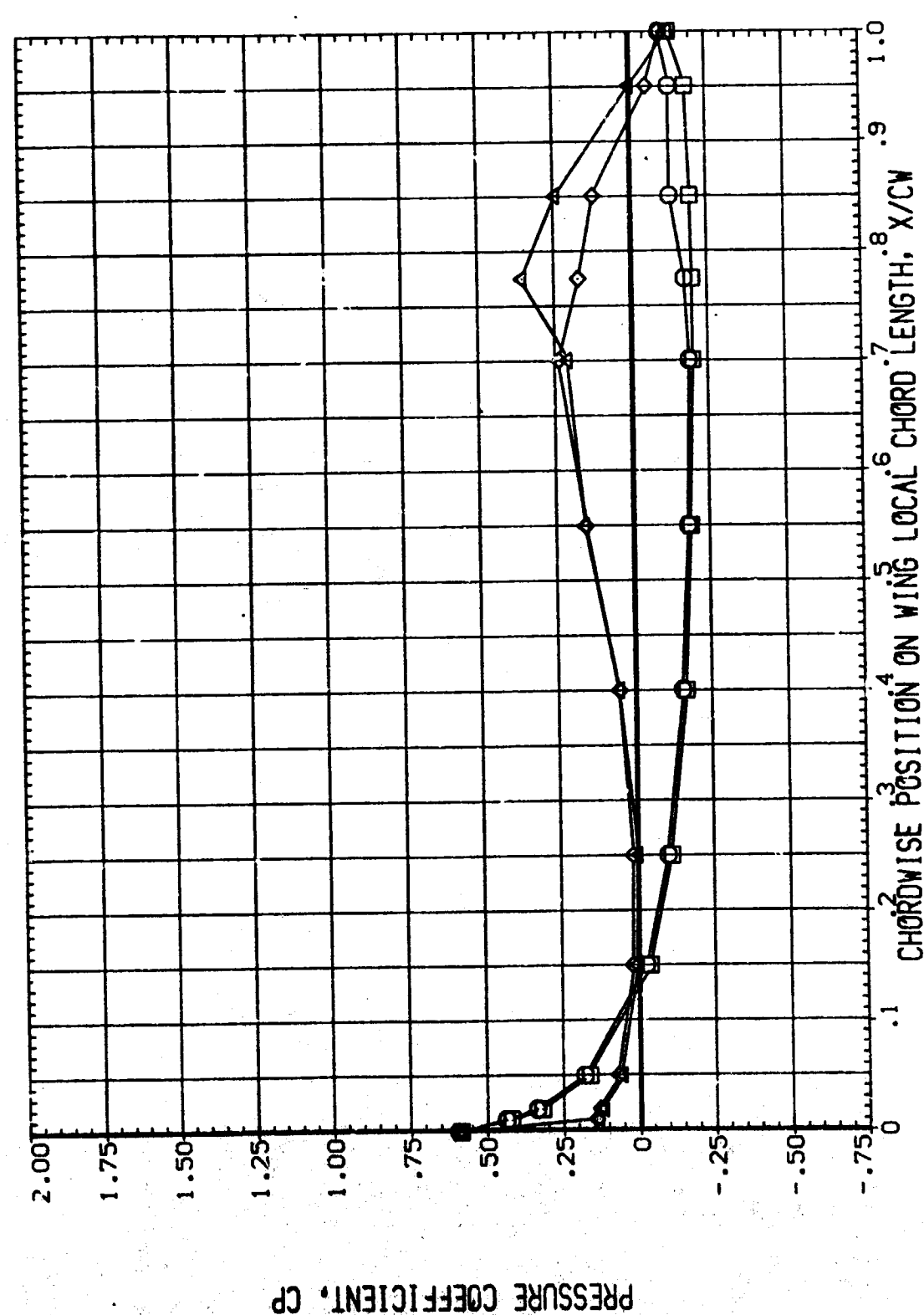


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = 4.000 BETA0 = 4.000 Y/BW = .673 PAGE 1651

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(1ETU42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(1ETU58)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(1ETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(1ETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

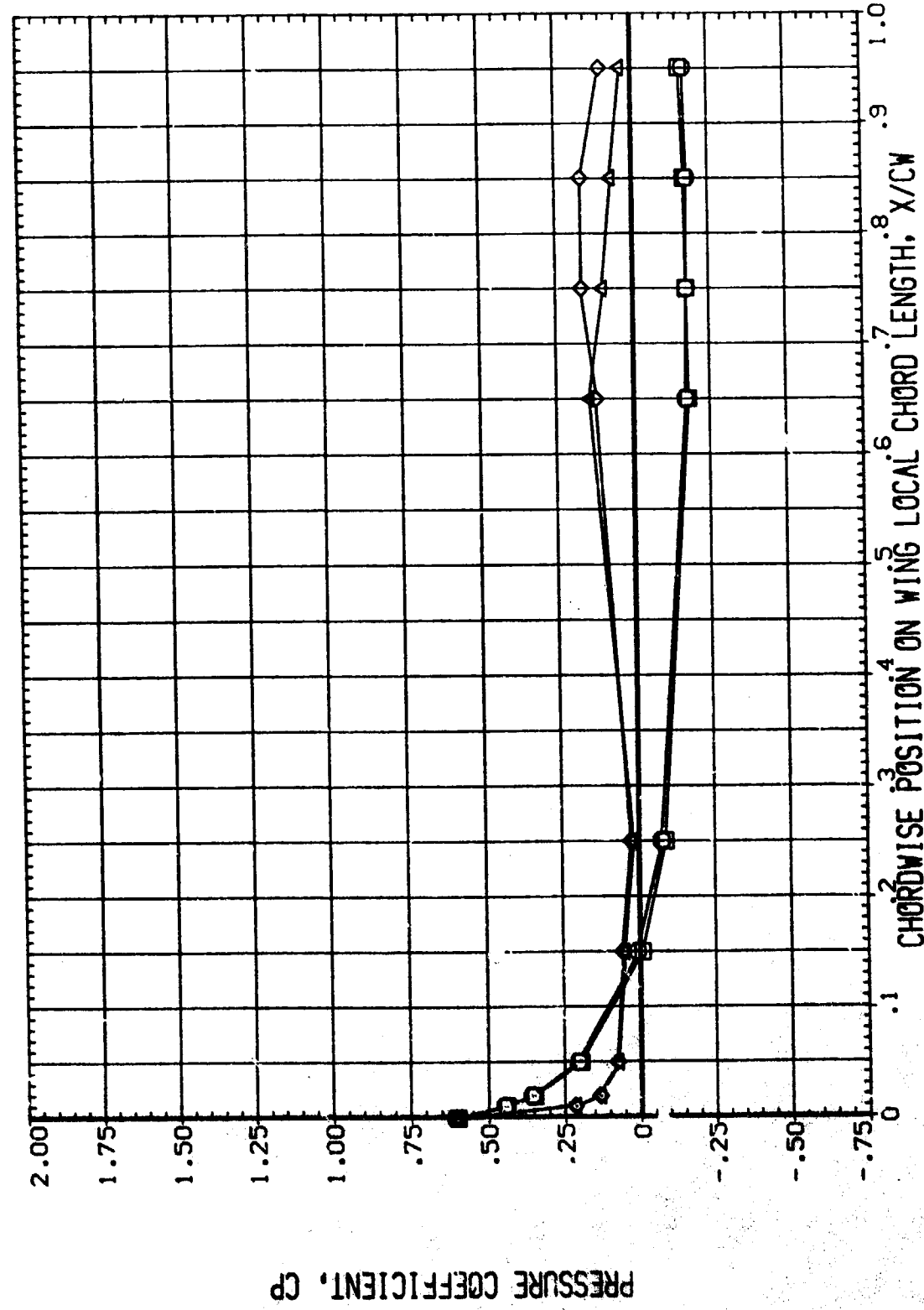


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA = 4.000 BETA = 4.000 Y/BW = .780 PAGE 1652

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELEV-1B RM/FT ELEV-0B

(1ETU42) ARC97-019 (AB1 LVAPCALLAL SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(1ETU08) ARC97-019 (AB1 LVAPCALLAL SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

(1ETL42) ARC97-019 (AB1 LVAPCALLAL SEALED) LEFT WING BOT. 2.500 .000 2.500 .000

(1ETL38) ARC97-019 (AB1 LVAPCALLAL SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

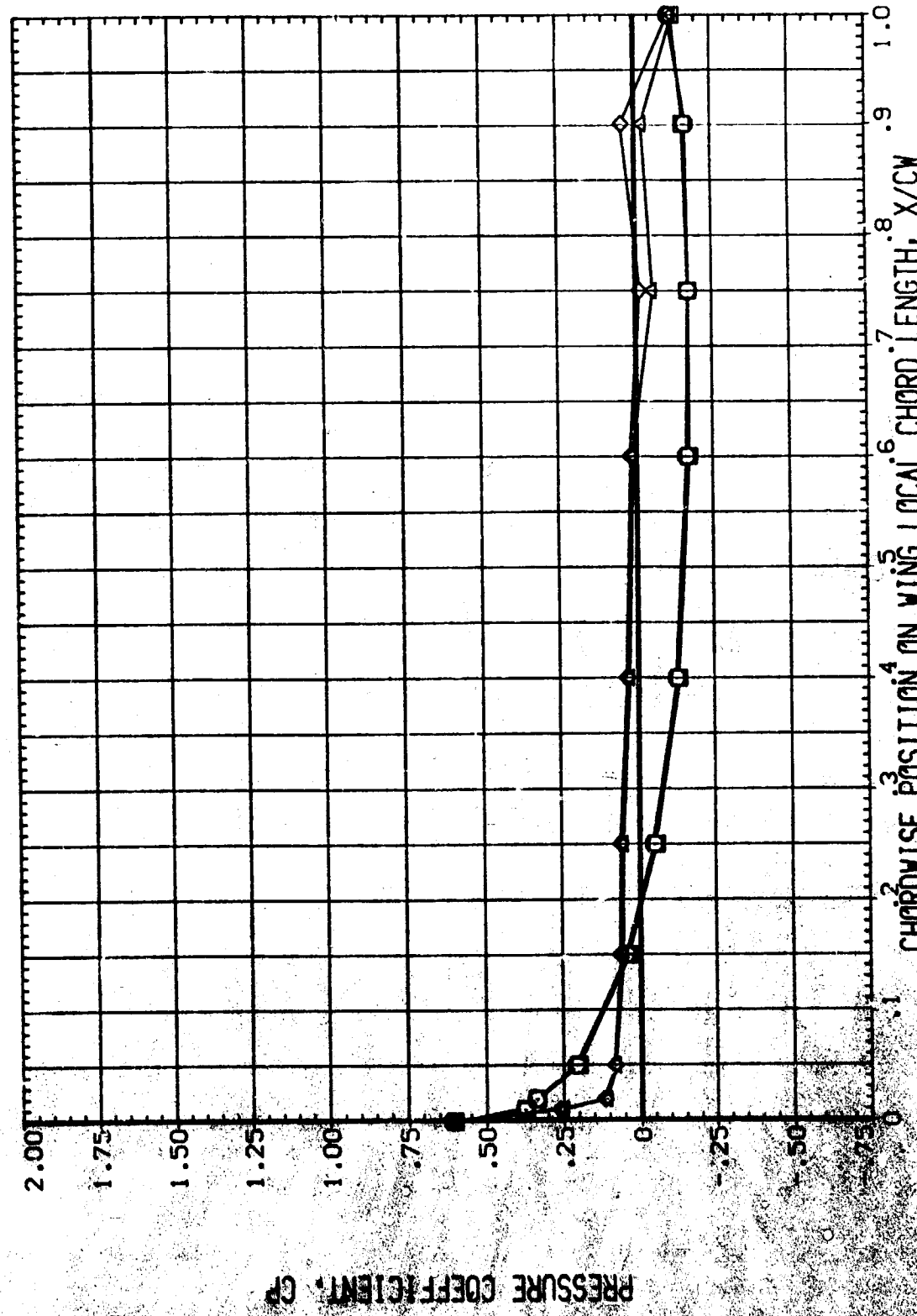


FIG. 68. WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA = 4.000 BETA = 4.000 Y/BW = .887 PAGE 1653

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
1	1881 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
2	1881 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
3	1881 LVAP(ALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
4	1881 LVAP(ALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

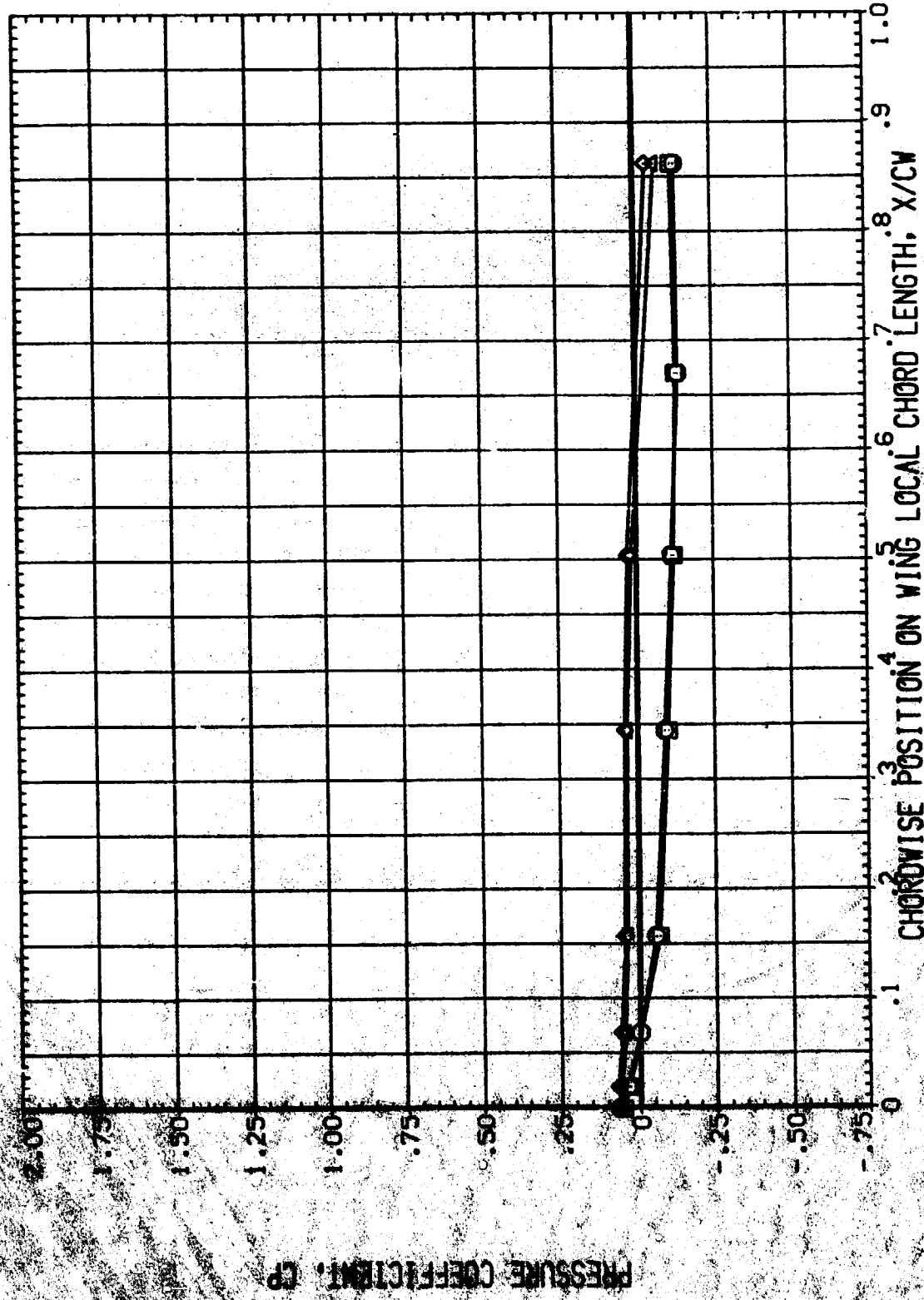


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = 4.000 BETA = 4.000 Y/BW = .972 PAGE 1654

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RN/FT ELV-08
 (JETM2) ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP 2.500 .000 2.500 .000
 (JETU38) ARC97-019 IAB1 LVAP(ALLM SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000
 (JETL42) DATA NOT AVAILABLE 2.500 .000 2.500 .000
 (JETL38) DATA NOT AVAILABLE 2.500 8.000 2.500 -4.000

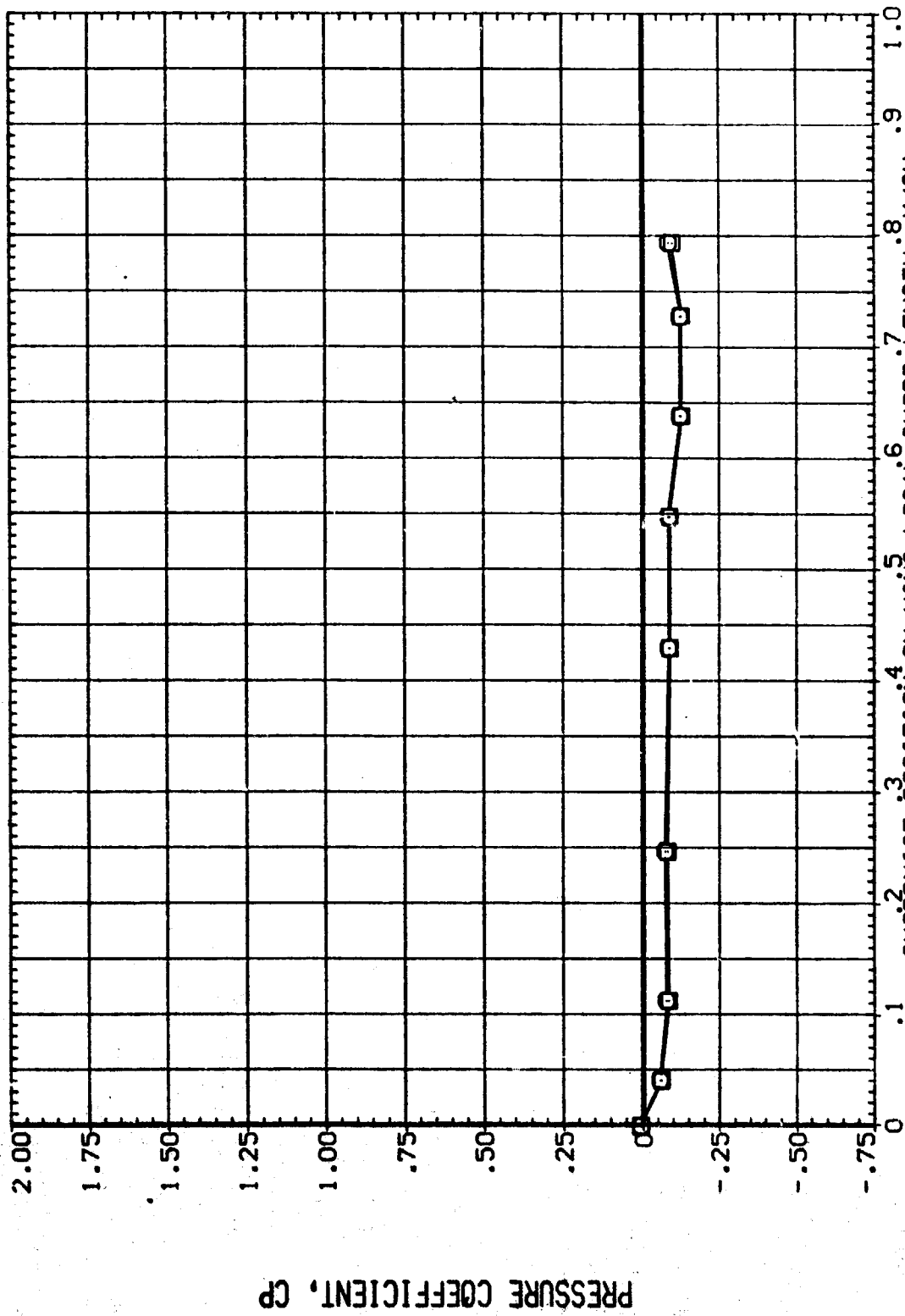
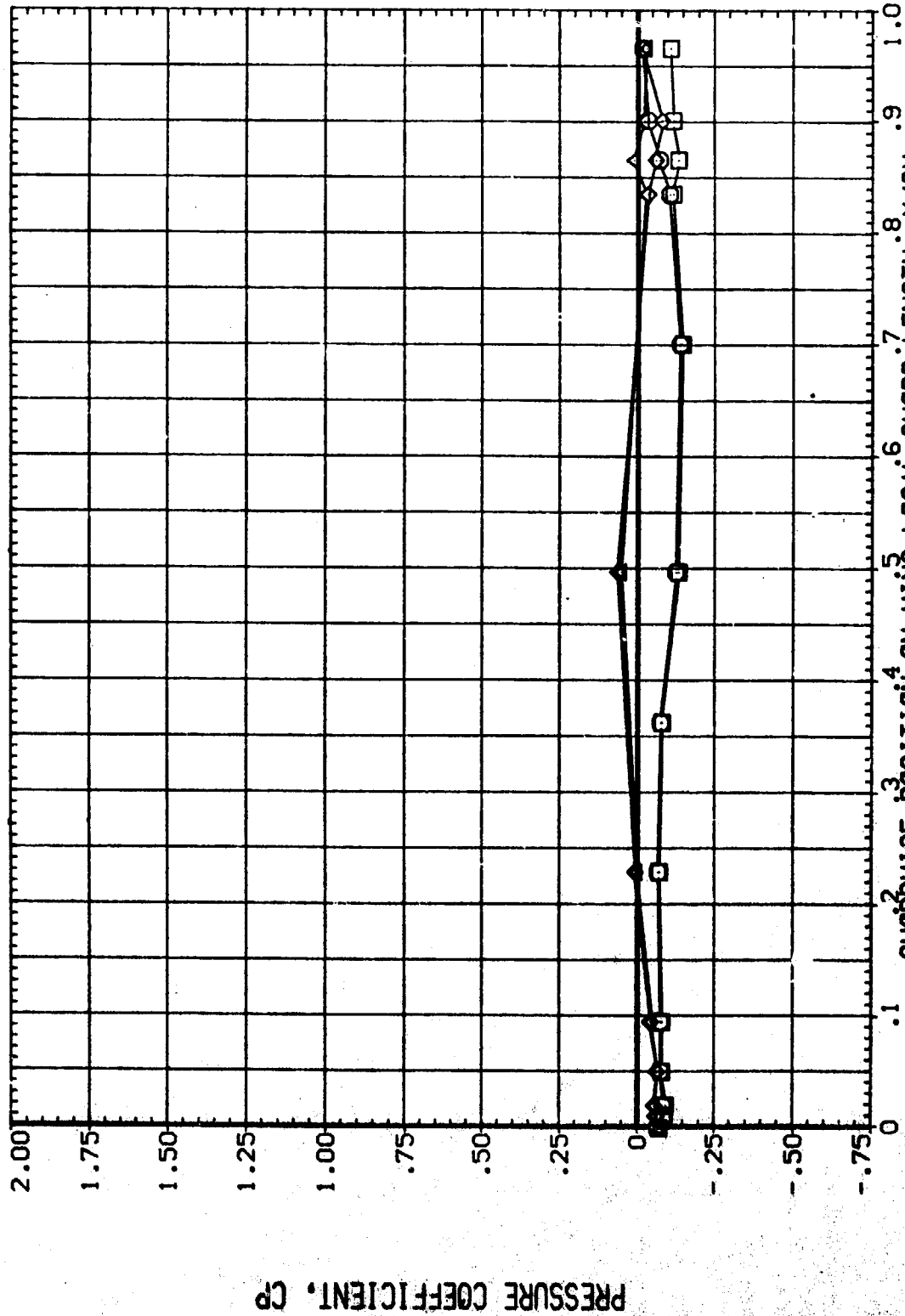


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELY-IB	RN/FT	ELY-DB
(IETU42)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(IETL42)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARCS7-019 IAB1 LVAP(ALL)M SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000



PRESSURE COEFFICIENT, CP

CHORDWISE POSITION ON WING LOCAL CHORD LENGTH, X/CW

FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA= 6.000 BETA= .000 Y/BW = .299 PAGE 1656



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-TB	RN/FT	ELV-OB
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETUC8)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL12)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

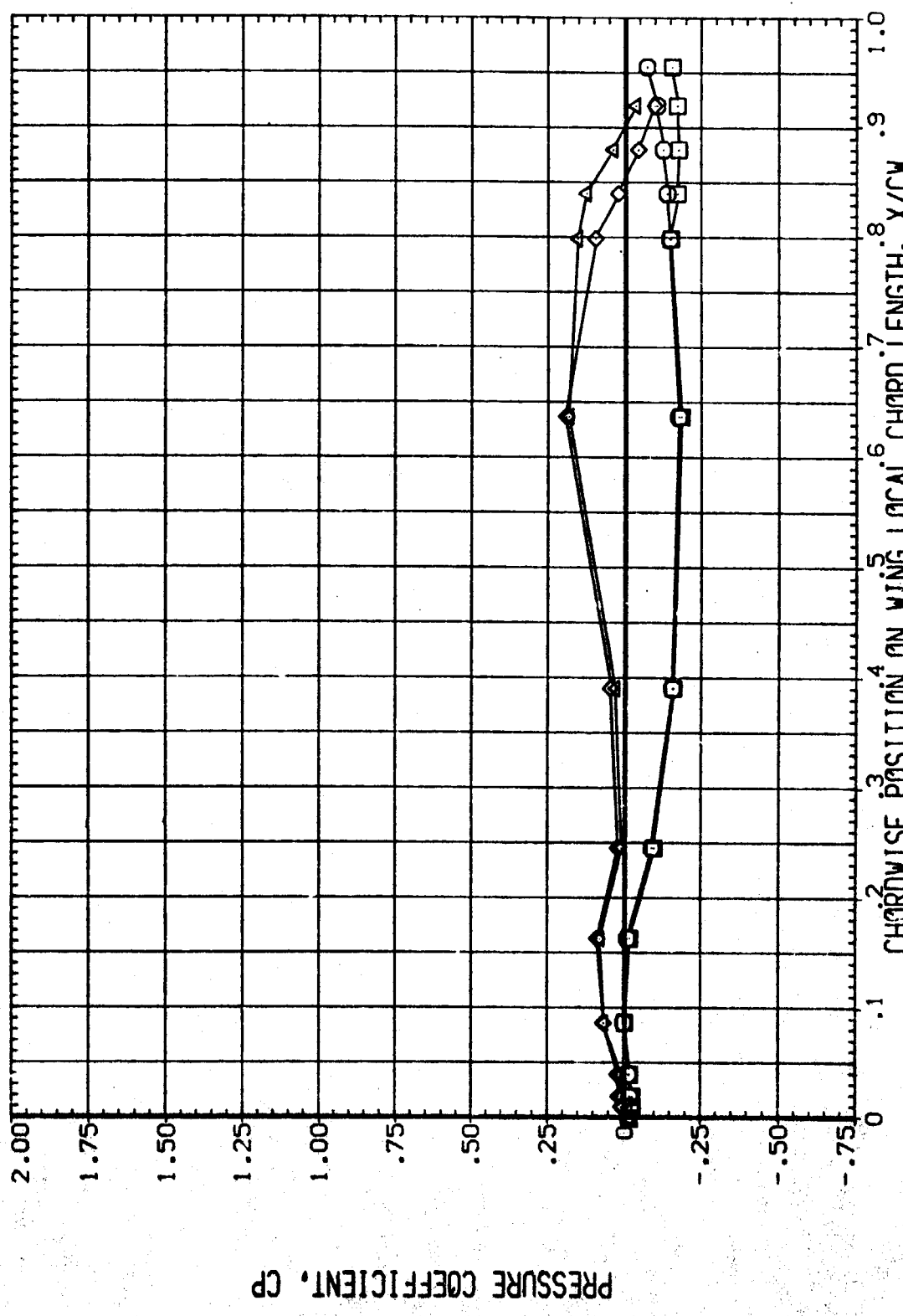


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-0B
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING TOP	2.500	6.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	6.000	2.500	-4.000

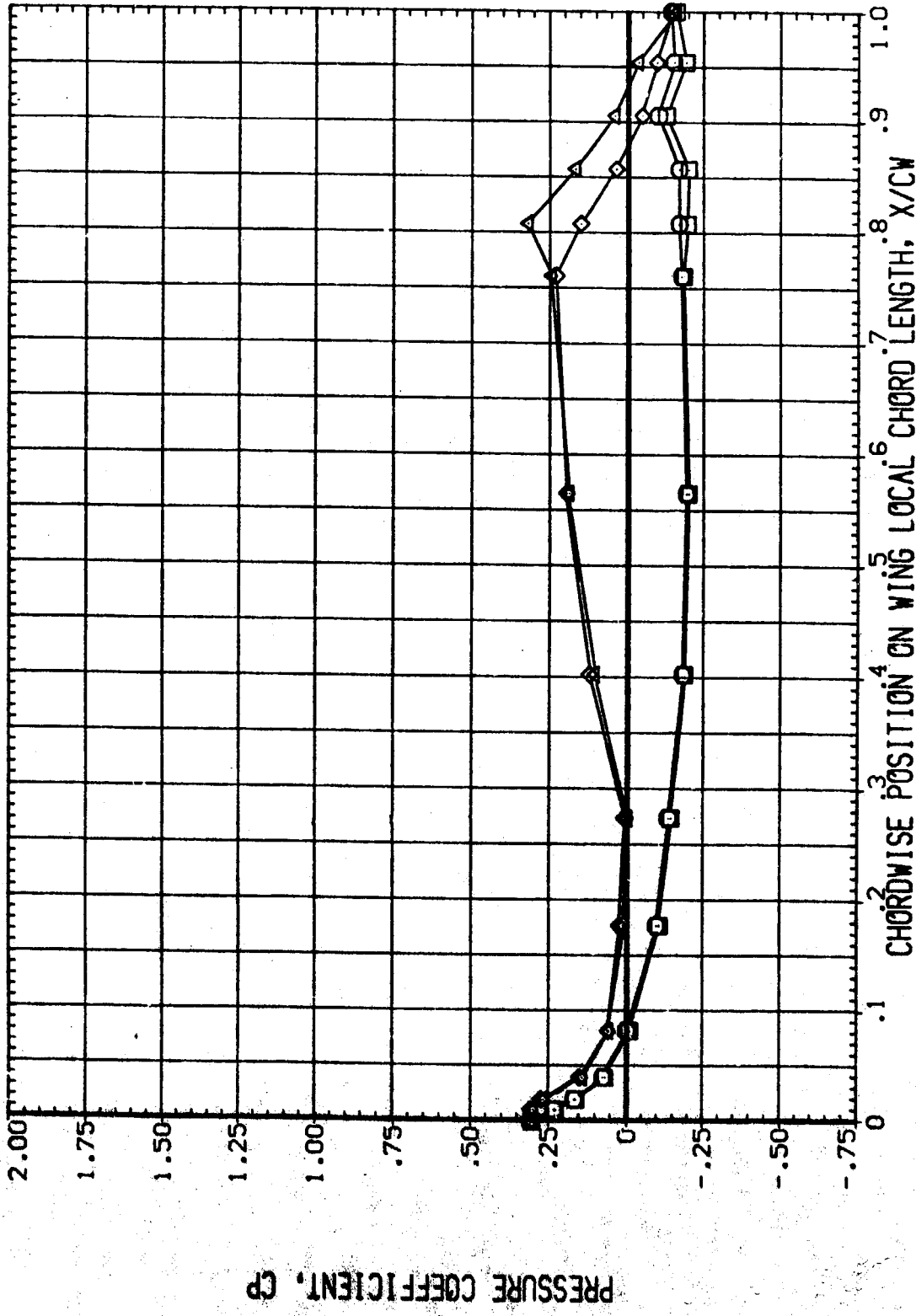


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPDBRK = 0, MACH = 2.50
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .427 PAGE 1658

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RN/FT	ELV-08
(ICTU42)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(ICTU38)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(ICTL42)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(ICTL38)	ARC97-019 (A8) LVAP(ALLHL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

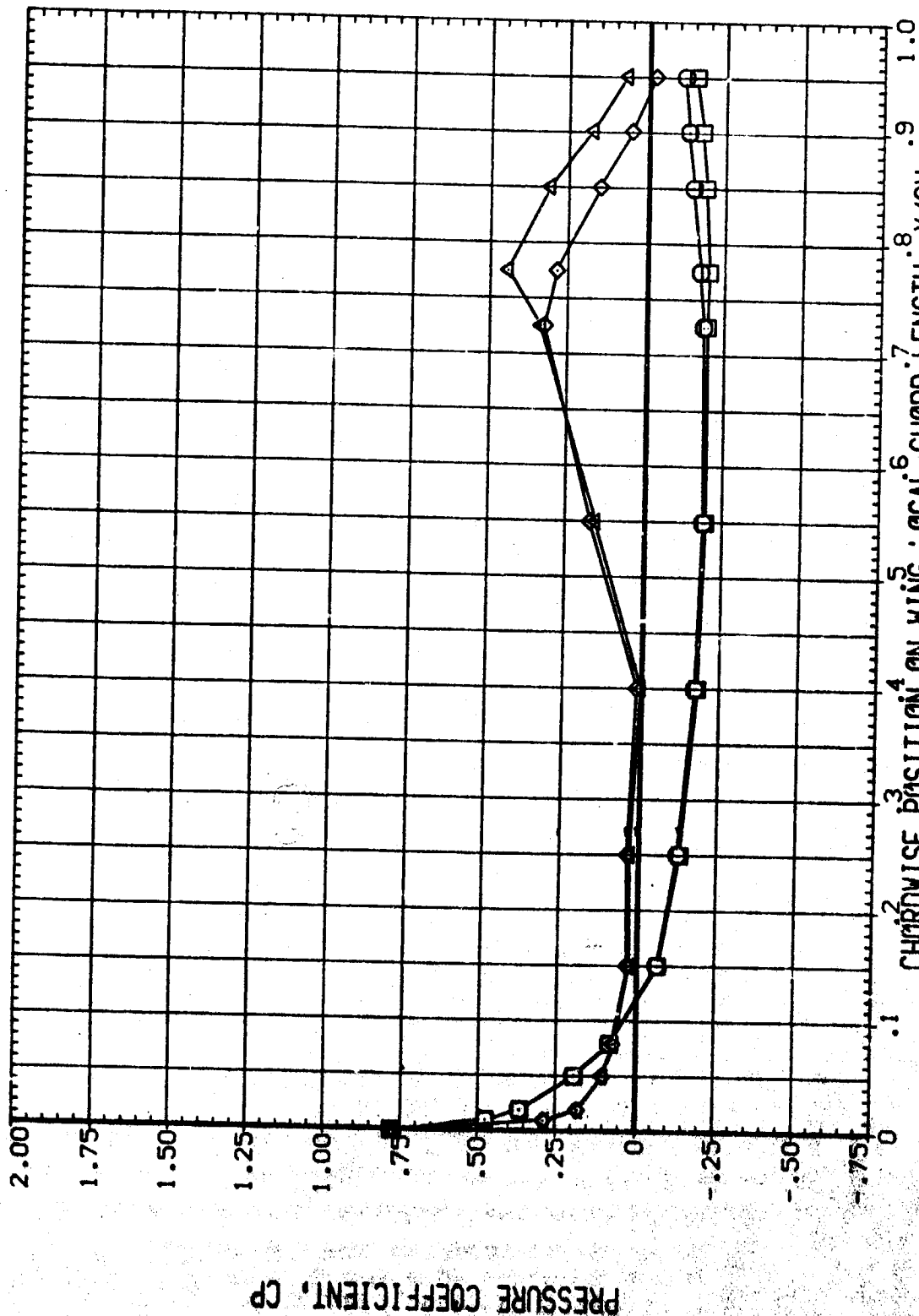


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION MACH ELV-1B RM/FT ELV-08

(IETU2) ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP 2.500 .000 2.500 .000

(IETU3) ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING TOP 2.500 8.000 2.500 -4.000

(IETL42) ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT. 2.500 .000 2.500 .000

(IETL38) ARC97-019 IAB1 LVAPCALLH SEALED) LEFT WING BOT. 2.500 8.000 2.500 -4.000

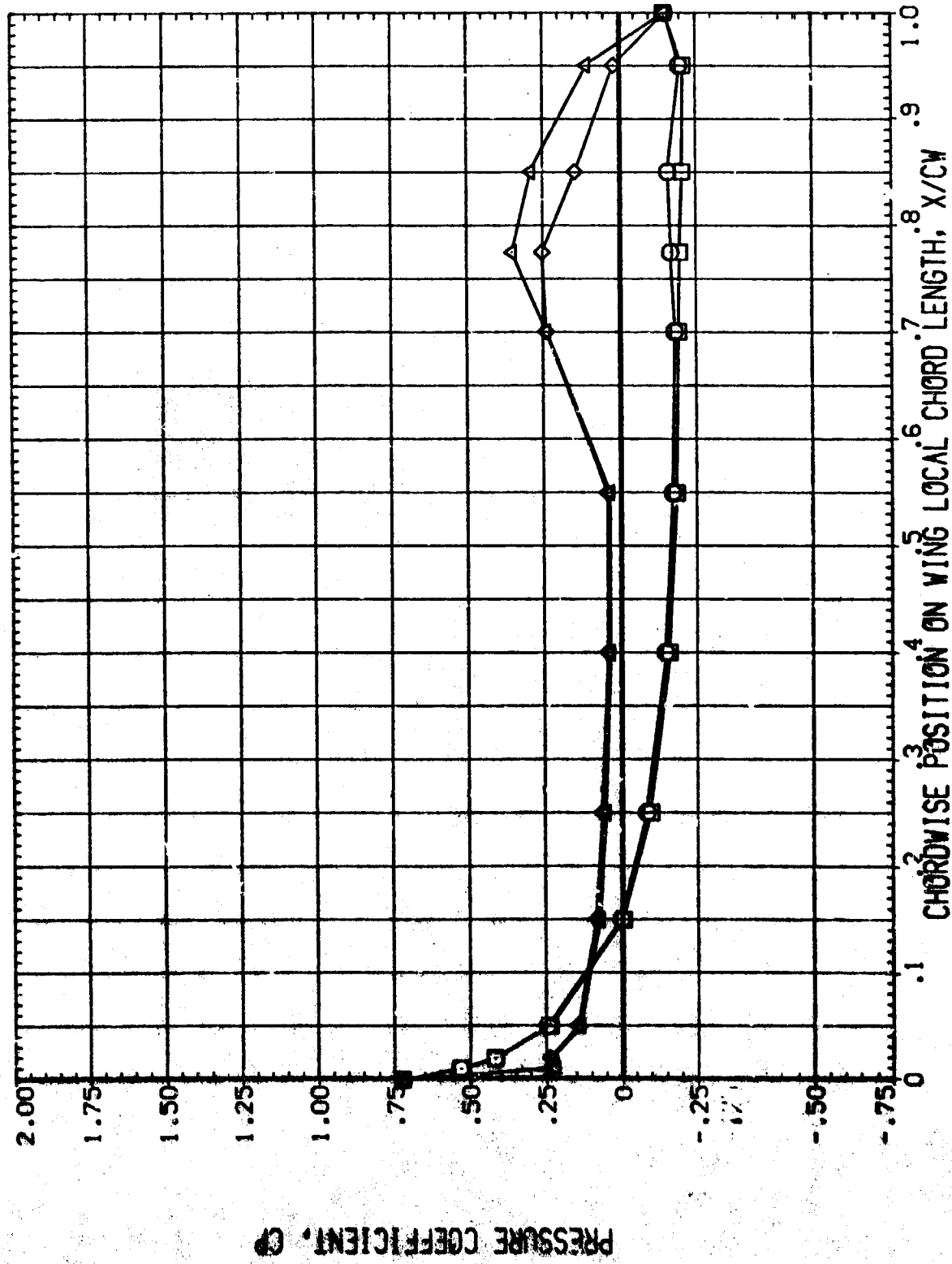


FIG. 68 WING CHORDWISE PRESS. DIST.. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .673 PAGE 1660

DATA SET SYMBO	CONFIGURATION DESCRIPTION	MACH	ELV-18	RM/FT	ELV-08
(1ETU42)	ARC57-019 (A81 LVAP(ALLM SEALED))	2.500	.000	2.500	.000
(1ETU28)	ARC57-019 (A81 LVAP(ALLM SEALED))	2.500	0.000	2.500	-4.000
(1ETL42)	ARC57-019 (A81 LVAP(ALLM SEALED))	2.500	.000	2.500	.000
(1ETL38)	ARC57-019 (A81 LVAP(ALLM SEALED))	2.500	0.000	2.500	-4.000

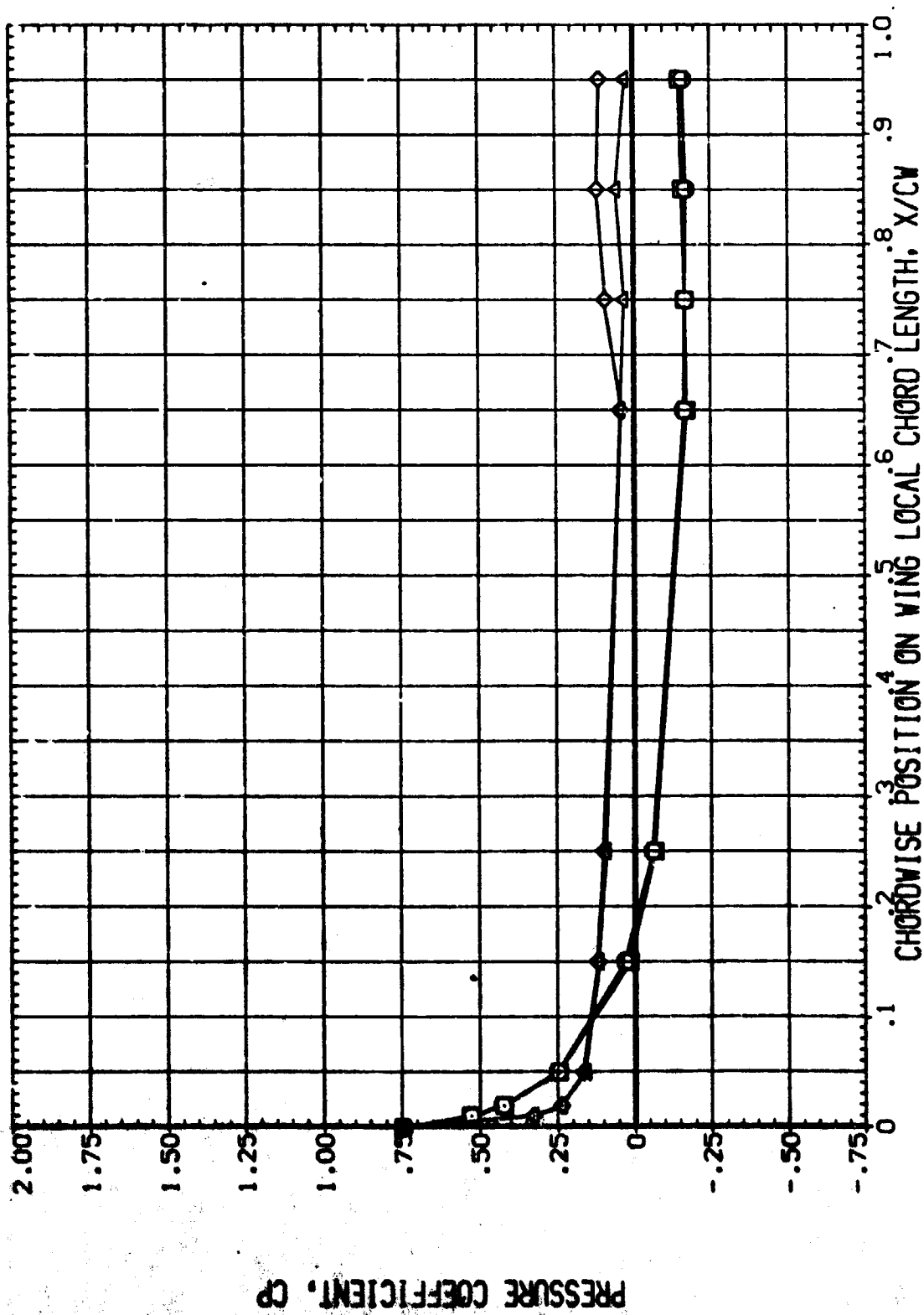


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT. SPDBRK = 0, MACH = 2.50
 ALPHA = 6.000 BETA = .000 Y/BW = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-0B
(IETM2)	ARC97-019 (A81 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETU38)	ARC97-019 (A81 LVAP(ALLAL SEALED) LEFT WING TOP	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 (A81 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 (A81 LVAP(ALLAL SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

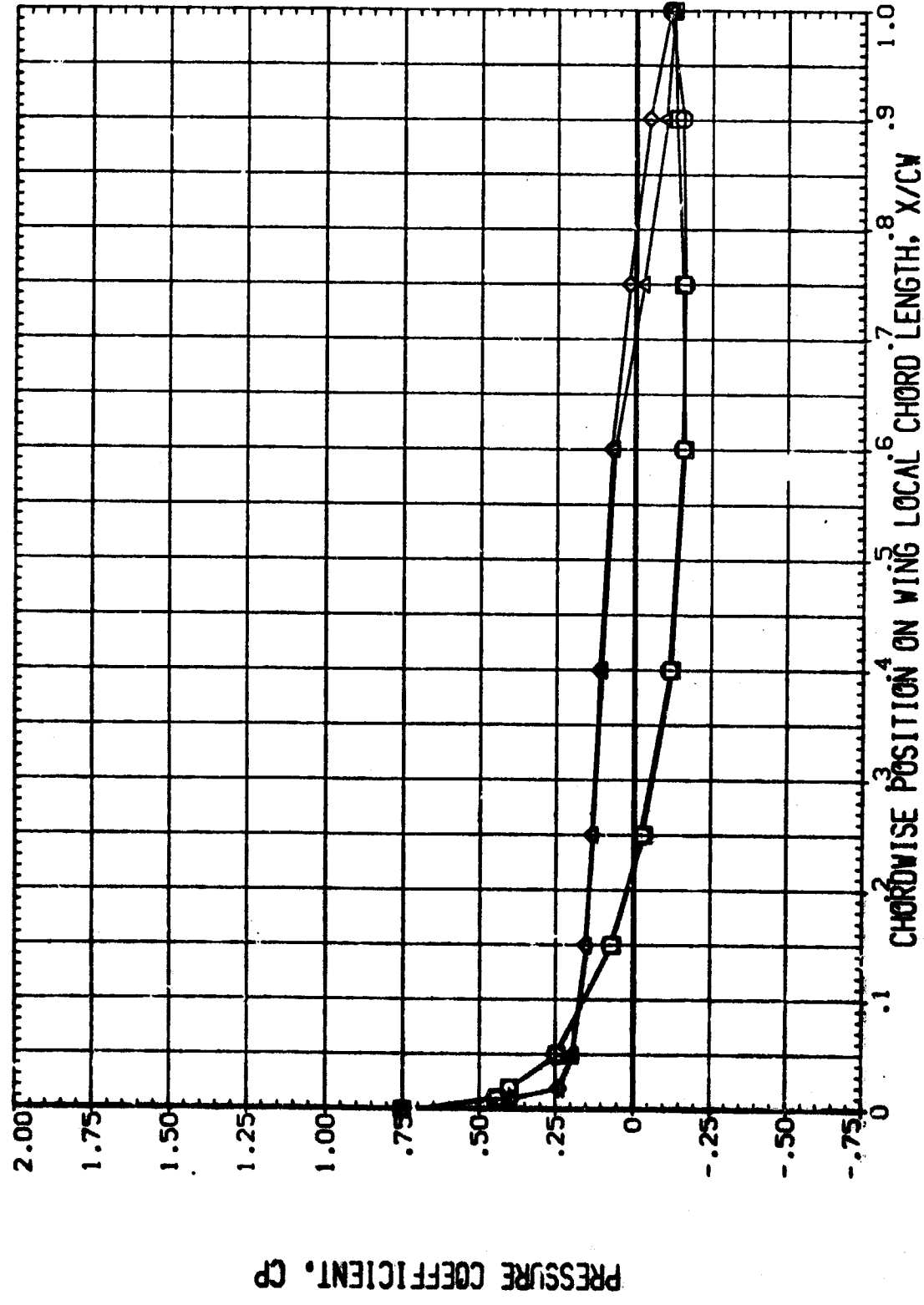


FIG. 68 WING CHORDWISE PRESS. DIST., ELEVON EFFECT, SPOBRK = 0, MACH = 2.50
 ALPHA0 = 6.000 BETA0 = .000 Y/BW = .887 PAGE 1662

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	MACH	ELV-1B	RM/FT	ELV-08
(IETM2)	ARC97-019 IAB1 LVAP(LALL) SEALED) LEFT WING TOP	2.500	.000	2.500	.000
(IETM3)	ARC97-019 IAB1 LVAP(LALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000
(IETL42)	ARC97-019 IAB1 LVAP(LALL) SEALED) LEFT WING BOT.	2.500	.000	2.500	.000
(IETL38)	ARC97-019 IAB1 LVAP(LALL) SEALED) LEFT WING BOT.	2.500	8.000	2.500	-4.000

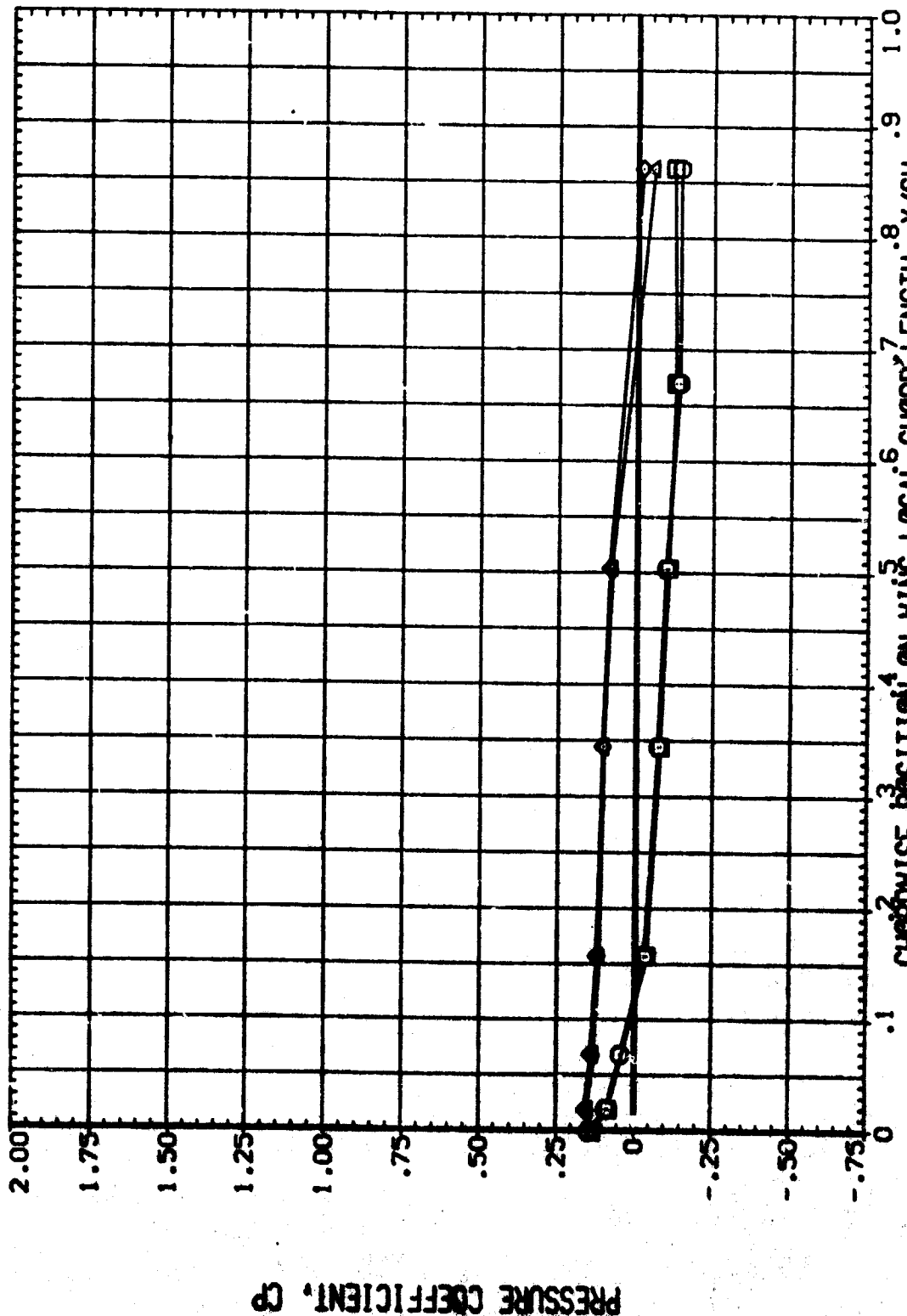


FIG. 68 WING CHORDWISE PRESS. DIST. ELEVON EFFECT. SPDBRK = 0. MACH = 2.50
 ALPHA = 6.000 BETA = .000 Y/BW = .972 PAGE 1663