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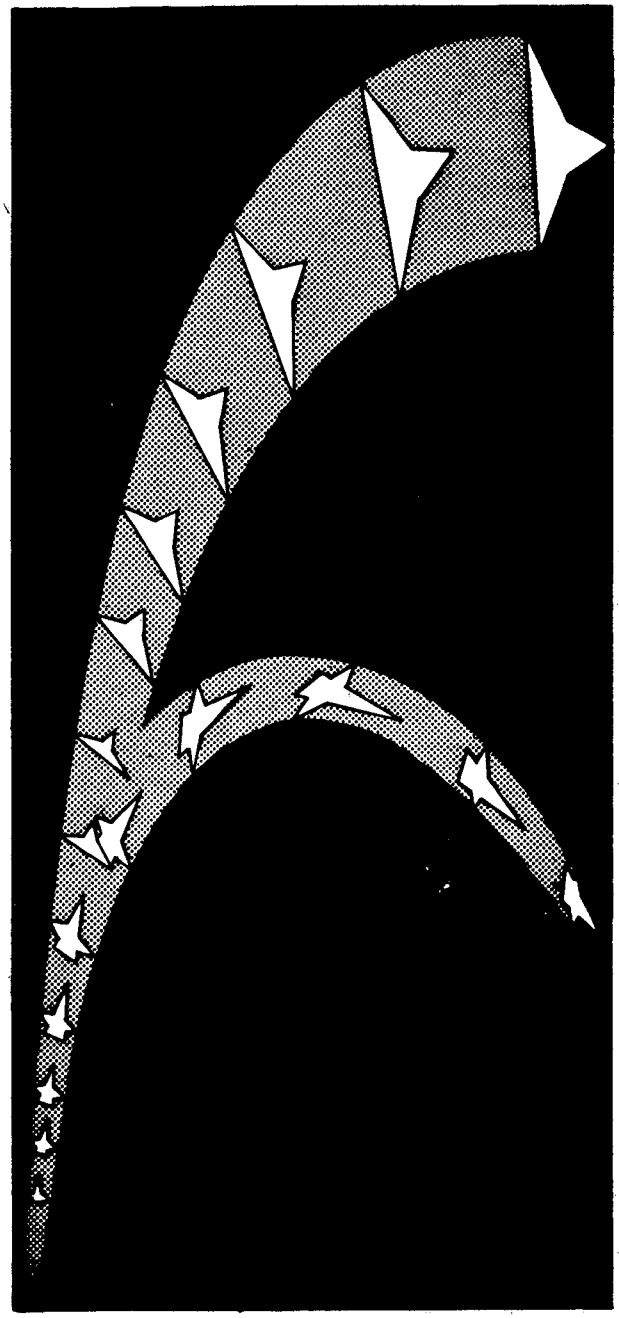

—SPACE SHUTTLE—

RE-ENTRY STABILITY AND PERFORMANCE CHARACTERISTICS IN THE TRANSONIC AND SUPERSONIC FLIGHT REGIMES OF THE BOEING BALLISTIC RECOVERABLE BOOSTER

by

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and
S. Vanderleest, TBC

TBC TRANSONIC
AND
SUPERSONIC WIND TUNNELS

The Boeing Company

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SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

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SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: Boeing Ballistic Recoverable Booster

TEST PURPOSE: To Determine Re-entry Stability and Performance Characteristics in the Transonic and Supersonic Flight Regimes.

TEST FACILITY: Boeing Transonic & Supersonic Tunnels

TESTING AGENCY: The Boeing Company

TEST NO. & DATE: BTWT-1273, BSWT-553; 1/22 thru 12/1/71

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RE-ENTRY STABILITY AND PERFORMANCE CHARACTERISTICS IN THE TRANSONIC AND SUPERSONIC FLIGHT REGIMES OF THE BOEING BALLISTIC RECOVERABLE BOOSTER

By Jacque Houser and S. Vanderleest

SUMMARY

Experimental aerodynamic investigations were made in the Boeing Transonic and Supersonic Wind Tunnels on a .008899 scale model of the Boeing Model 979-145 Ballistic Recoverable Booster. The purpose of the tests was to define the stability and performance characteristics of the BRB at re-entry attitudes in the transonic and supersonic flight regimes.

Data were obtained over a Mach number range from 0.6 to 4.0 at angles of attack between 50° and 85° at zero sideslip and at angles of sideslip between -17.5° and $+15^\circ$ at angles of attack between 50° and 85°.

NOMENCLATURE
General

SYMBOL	SADSAC SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
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
ℓ_{REF} $\bar{c}$	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
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

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

Stability-Axis System

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

ADDITIONS TO NOMENCLATURE
FOR
TBC 1273/553

SYMBOL	SADSAC SYMBOL	DEFINITION
C_{m_f}	CLMF	Forebody pitching moment coefficient
C_{n_f}	CYNF	Forebody yawing moment coefficient
C_{n_b}	CYNB	Base yawing moment coefficient
C_{m_b}	CLMB	Base pitching moment coefficient
C_{y_β}	CYBETA	Derivative of side force coefficient with respect to Beta; per degree
C_{n_β}	DCYNDB	Derivative of yawing moment coefficient with respect to Beta; per degree, body axis system
C_{ℓ_β}	DCBYDB	Derivative of rolling moment coefficient with respect to Beta; per degree, body axis system

CONFIGURATIONS INVESTIGATED

B_1 Basic Model 979-145 body and nose.

$B_{1.1}$ B_1 with simulated recovery - chute packaging.

B_2 Basic body with parabolic nose contour.

S_1 Basic Model 979-145 engine shroud.

V_1 Basic Model 979-145 fins - 550 ft^2 per fin.

V_2 Fins similar to V_1 in planform but 412 ft^2 per fin.

Model Component Combinations Tested

B_1	$B_1S_1V_1$
B_1S_1	$B_1S_1V_2$
B_1V_2	$B_{1.1}S_1V_2$
B_2V_2	$B_2S_1V_1$

Sketches of the components are shown in Figures 2 through 6 . Dimensional information for each component is given in the "Model Component Description Sheets".

TEST FACILITY DESCRIPTION

The Boeing Transonic Wind Tunnel is a closed return tunnel operating at Mach numbers up to 1.2. The 8' x 12' test section is slotted to minimize interference in the transonic test regime. Plenum pressures are controlled by reentry doors downstream of the test section. Models are normally sting mounted on a strut with a nominal angle of attack range of ±15°. The stagnation pressure is approximately atmospheric giving a maximum Reynolds number of 3.95×10^6 per foot at M = 1.1.

The Boeing Supersonic Wind Tunnel is a blow down tunnel exhausting to atmosphere driven by air stored at 145 psia. Flexible plates are used to vary the nozzle contour. The normal Mach number range is limited to values between 1.3 and 4.0. Models are usually sting mounted in the 4' x 4' test section on a strut that gives an angle of attack sweep of ±17.5°. Starting loads can be alleviated by the use of proximity plates.

TEST CONDITIONS

The model was sting mounted with the sting entering the base of the model in the conventional manner. The sting used was in segments permitting a wide range of pre-bend angles to be used. The arrangement of the sting parts used in the supersonic testing, Figure 7, was dictated by the large pre-bend requirements to get the desired α-range and the restraints imposed by the tunnel walls when the model was rolled 90° for yaw runs. Schlieren studies were made to verify that the detached shock from the second joint of the sting did not impinge on the model. The arrangement of sting parts used in the transonic testing, Figure 8, was selected to minimize the sting and pod interference on the model. These differences in mounting systems should be considered in any aerodynamic analyses crossing the Mach number gap between the two tunnels.

Two balances were used in the test to match the expected load ranges in the two tunnels. Yaw runs were made at several angles of attack, using the freedom of the segmented sting, by rolling the sting and model 90° and yawing the model in the tunnel pitch plane.

Trip strips of No. 180 grit distributed about 60 - 80 grains per inch were applied to the body, shroud and fins as described in the configuration drawings. The original condition of the trip strips was maintained by frequent overhauling and replacing sections affected by model changes. Screw holes and gaps between fins and body were filled and dressed to adjacent contours with red wax in the supersonic tunnel and "Magic Bond" in the transonic tunnel.

Base pressures were measured at seven locations as shown in Figure 9 . Pressures from orifices 1 through 6 were used to compute CAF and correct yawing moment and pitching moment for the effects of sting-induced base pressure distributions.

DATA REDUCTION

Aerodynamic forces and moments acting on the model were measured with the Boeing 658Q and 6214A six-component internal strain gage balances. Moment data were reduced about a reference c.g. located on the model centerline at 60% of the body length. The effects of base pressure have been removed from axial force, pitching moment, and yawing moment.

A. Basic Coefficients

The data were reduced to coefficient form as follows:

$$CN \equiv C_N = \frac{\text{Normal Force}}{qS}$$

$$CA \equiv C_A = \frac{\text{Axial Force}}{qS}$$

$$CLM \equiv C_m = \frac{\text{Pitching Moment}}{qS\ell}$$

$$CY \equiv C_Y = \frac{\text{Side Force}}{qS}$$

$$CYN \equiv C_n = \frac{\text{Yawing Moment}}{qS\ell}$$

$$CBL \equiv C_\ell = \frac{\text{Rolling Moment}}{qS\ell}$$

$$CAB \equiv C_{A_b} = \frac{1}{qS}\sum_{n=1}^{6}\left[(P_\infty - P_{b_n})A_{b_n}\right]$$

$$CLMB \equiv C_{m_b} = \frac{1}{qS\ell}\sum_{n=1}^{6}\left[(P_\infty - P_{b_n})A_{b_n}Z_n\right]$$

$$CYNB \equiv C_{n_b} = \frac{1}{qS\ell}\sum_{n=1}^{6}\left[(P_\infty - P_{b_n})A_{b_n}y_n\right]$$

$$CAF \equiv C_{A_f} = C_A - C_{A_b}$$

$$CLMF \equiv C_{m_f} = C_m - C_{m_b}$$

$$CYNF \equiv C_{n_f} = C_n - C_{n_b}$$

where S = body cross-section area; 9.75 in^2

ℓ = body length; 17.981 in for B_1, 18.48 for B_2.

A_{b_n} = area base segments; 3.7943 in^2 for $B_x S_1$, 1.6256 in^2 for B_x.

q = dynamic pressure in psi

p_∞ = free stream static pressure in psi

p_{b_n} = base pressure acting on A_{b_n} in psi

y_n = horizontal distance to centroid of A_{b_n}, positive to right of vertical center-line plane

z_n = vertical distance to centroid of A_{b_n}, positive above horizontal center-line plane.

TABLE I.

TEST CONDITIONS

TEST BTWT-1273, BSWT-553

MACH NUMBER	REYNOLDS NUMBER per unit length	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	3.05×10^6	2.92	150°F
0.8	3.55×10^6	4.38	150°F
0.9	3.75×10^6	4.93	150°F
0.95	3.8×10^6	5.21	150°F
1.0	3.85×10^6	5.45	150°F
1.05	3.9×10^6	5.66	150°
1.1	3.95×10^6	5.83	150°F
2.0	7.7×10^6	10.41	70°F
2.7	1.0×10^6	10.34	70°F
3.5	10.2×10^6	8.99	70°F
4.0	10.2×10^6	7.38	70°F
All values above are nominal.			

BALANCE UTILIZED: M≤1.1, TBC 658-Q; M≥2.0, TBC 6214A

CAPACITY:	658-Q	6214-A	ACCURACY:	COEFFICIENT TOLERANCE:
NF	1000 lb.	1500 lb.		
SF	750 lb.	1000 lb.		
AF	75 lb	130 lb.		
PM	1800 in-lb	3200 in-lb		
YM	650 in-lb.	1600 in-lb.		
RM	850 in-lb.	1200 in-lb		

COMMENTS:

Runs at M≤1.1 were made in the Boeing Transonic Wind Tunnel. Runs at M≥2.0 were made in the Boeing Supersonic Wind Tunnel.

TABLE II.

BWT-1273

TEST BSWT-533 DATA SET COLLATION SHEET

☐ PRETEST

☑ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES	NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) .6	.8	.9	.95	1.0	1.05	1.1	2.0	2.7	3.5	4.0
RD4011	B1	A	0°		9		39.	42.	41.		40.	38.	5.	22.	35.	37.
013	B1	17.5	C		2									23.	34.	
021	B1S1	A	0°		9		33.	36.	35.		34.	32.	6.	21.	31.	40.
023	B1S1	17.5	C		3								7.	20.	33.	
024	B1S1	70°	C		3		24.		25.		23.					
031	B1S1V1	A	0°		10	80.	76.	79.	78.		77.	75.	9.	17.	29.	41.
032	B1S1V1	50	C		8		109.	112.	111.		110.	108.	53.	50.	45.	
033	B1S1V1	67.5	C		3								8.	16.	28.	
034	B1S1V1	70	C		6		18.	20.	23.	19.	17.	22.				
035	B1S1V1	77.5	C		3								54.	49.	46.	
036	B1S1V1	55°	C		5		115.	118.	117.		116.	114.				
041	B1S1V2	A	0°		10	87.	82.	86.	85.		84.	81.	10.	18.	26.	43.
042	B1S1V2	50°	C		8		103.	106.	105.		102.	104.	52.	51.	44.	
043	B1S1V2	67.5	C		3								11.	19.	27.	
044	B1S1V2	70°	C		5		89.	92.	91.		90.	88.				
045	B1S1V2	77.5	C		3								55.	48.	47.	
046	B1S1V2	55°	C		5		95.	98.	97.		96.	94.				
051	B2S1V1	A	0°		9	65.	61.	64.	63.		62.	59.	13.	14.		42.
053	B2S1V1	17.5	C		2								12.	15.		
RD4054	B2S1V1	70°	C		5		67.	70.	69.		68.	66.				

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

CN | CA | CLM | CY | CYN | CBL | CAB | CLMB | CYNB | 9

IDPVAR(1) | IDPVAR(2) | NDV

COEFFICIENTS: AA; 50° to 85°

α or β SCHEDULES BC -17.5° + 15°

NASA-MSFC-MAF

TABLE II (Continued)

TEST BSWT-553 (BSWT-273) DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) .6	.8	.9	.95	1.0	1.05	1.1	2.0	2.7	3.5	4.0	
RD4061	B, Vc	A	0°					7		45.		46.			44	58.	62.	65.	66.	
064	B, Vc	7°	C.					6		48.		49.		47.		59.	63.	64.		
071	B, Vc	A	0°					8	58.	53.	57.	56.		54.	52.	60.	61.			
RD4081	B, 1.5, Vc	A	0°					1										25		

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

CN ICA ICLM ICY ICYN ICBL ICAB ICLMR ICYNR → IDPVAR(1) | IDPVAR(2) | NDV

COEFFICIENTS: CA: 50° to 85°

α or β SCHEDULES: βC: -17.5° to +15°

NASA-MSFC-MAF

TABLE III.
DIMENSIONAL DATA

MODEL COMPONENT: BODY - B_1

GENERAL DESCRIPTION: AXISYMMETRIC BOOSTER BODY BASED ON BOEING MODEL 979-145

DRAWING NUMBER 1228-4, -13

DIMENSION:	FULL SCALE	MODEL SCALE
Length	163.5 FT	17.981 IN
Max Width	33.0 FT	3.524 IN
Max Depth	33.0 FT	3.524 IN
Fineness Ratio	4.95	5.10
Area		
Max Cross-Sectional	855.3 FT^2	9.754 IN^2
Planform	5120 FT^2	60.3 IN^2
Wetted	16160 FT^2	190 IN^2
Base	855.3 FT^2	9.754 IN^2

TABLE III.(Continued)

MODEL COMPONENT: BODY $-B_2$

GENERAL DESCRIPTION: SAME AS B_1 EXCEPT FOR PARABOLIC NOSE

DRAWING NUMBER 1228-5, -13

DIMENSION:	FULL SCALE	MODEL SCALE
Length	168.2 FT	18.480 IN
Max Width	33.0 FT	3.524 IN
Max Depth	33.0 FT	3.524 IN
Fineness Ratio	5.10	5.24
Area		
Max Cross-Sectional	855.3 FT^2	9.754 IN^2
Planform	5180 FT^2	61.0 IN^2
Wetted	16340 FT^2	192 IN^2
Base	855.3 FT^2	9.754 IN^2

TABLE III. (Continued)

MODEL COMPONENT: BODY - $B_{1.1}$

GENERAL DESCRIPTION: B_1 WITH SIMULATED RECOVERY-CHUTE PACKAGING ADDED

DRAWING NUMBER 1228-4 , -13

DIMENSION:	FULL SCALE	MODEL SCALE
Length		
Max Width		
Max Depth	36.6 FT	3.904 IN
Fineness Ratio		
Area		
Max Cross-Sectional (increment to B_1)	30 FT^2	0.35 IN^2
Planform		
Wetted		
Base (increment to S_1)	36 FT^2	0.41 IN^2

TABLE III. (Continued)

MODEL COMPONENT: SHROUD - S_1

GENERAL DESCRIPTION: ENGINE SHROUD BASED ON MODEL 979-145

DRAWING NUMBER 1228-7

DIMENSION:	FULL SCALE	MODEL SCALE
Length	33.6 FT	3.58 IN
Max Width	49.3 FT	5.263 IN
Max Depth	49.3 FT	5.263 IN
Fineness Ratio	-	-
Area		
Max Cross-Sectional	1910 FT^2	21.75 IN^2
Planform (increment to B_1)	350 FT^2	4.0 IN^2
Wetted (increment to B_1)	1260 FT^2	14.4 IN^2
Base	1910 FT^2	21.75 IN^2

TABLE III. (Continued)

MODEL COMPONENT: V_1

GENERAL DESCRIPTION: BASIC MODEL 979-145 FINS

DRAWING NUMBER: 1228-8

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area	632 FT^2	7.262 IN^2
Span (equivalent)	55.2 FT	5.904 IN
Inb'd equivalent chord	41.7 FT	4.45 IN
Outb'd equivalent chord	15.0 FT	1.602 IN
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	-	-
At Outb'd equiv. chord	-	-
Sweep Back Angles, degrees		
Leading Edge	35.0	35.0
Tailing Edge	-19.7	-19.7
Hingeline	-	-
Area Moment (Normal to hinge line)	-	-

NASA-M FC-MA -

TABLE III. (Continued)

MODEL COMPONENT: V_2

GENERAL DESCRIPTION: ALTERNATE BODY FINS

DRAWING NUMBER: 1228-9

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area	474 FT^2	5.460 IN^2
Span (equivalent)	50.2 FT	5.378 IN
Inb'd equivalent chord	36.0 FT	3.95 IN
Outb'd equivalent chord	13.0 FT	1.386 IN
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	-	-
At Outb'd equiv. chord	-	-
Sweep Back Angles, degrees		
Leading Edge	35.0	35.5
Tailing Edge	-19.7	-19.6
Hingeline	-	-
Area Moment (Normal to hinge line)	-	-
AREA (without S_1)	650 FT^2	7.45 IN^2

NASA-M FC-MAF

TABLE IV.
INDEX OF MODEL FIGURES

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11	Configuration $B_{1.1}$ S_1 V_2	34

TABLE V

INDEX OF DATA FIGURES

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TABLE V. (Continued)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
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SCHEDULE	DESCRIPTION
A	CN, CAF, CLMF, CAB, CLMB versus ALPHA; CN versus CLMF
B	CY, CYNF, CBL, CN, CLMF, CAF, CYNB, CLMB, CAB versus BETA
C	CY, CYNF, CBL, CN versus BETA
D	CN, CAF, CLMF versus ALPHA; CN versus CLMF
E	CYBETA, DCYNDB, DCBYDB versus MACH

Notes:

1. Positive directions of force coefficients moment coefficients, and angles are indicated by arrows.

2. For clarity, origins of wind and stability axes have been displaced from the center of gravity.

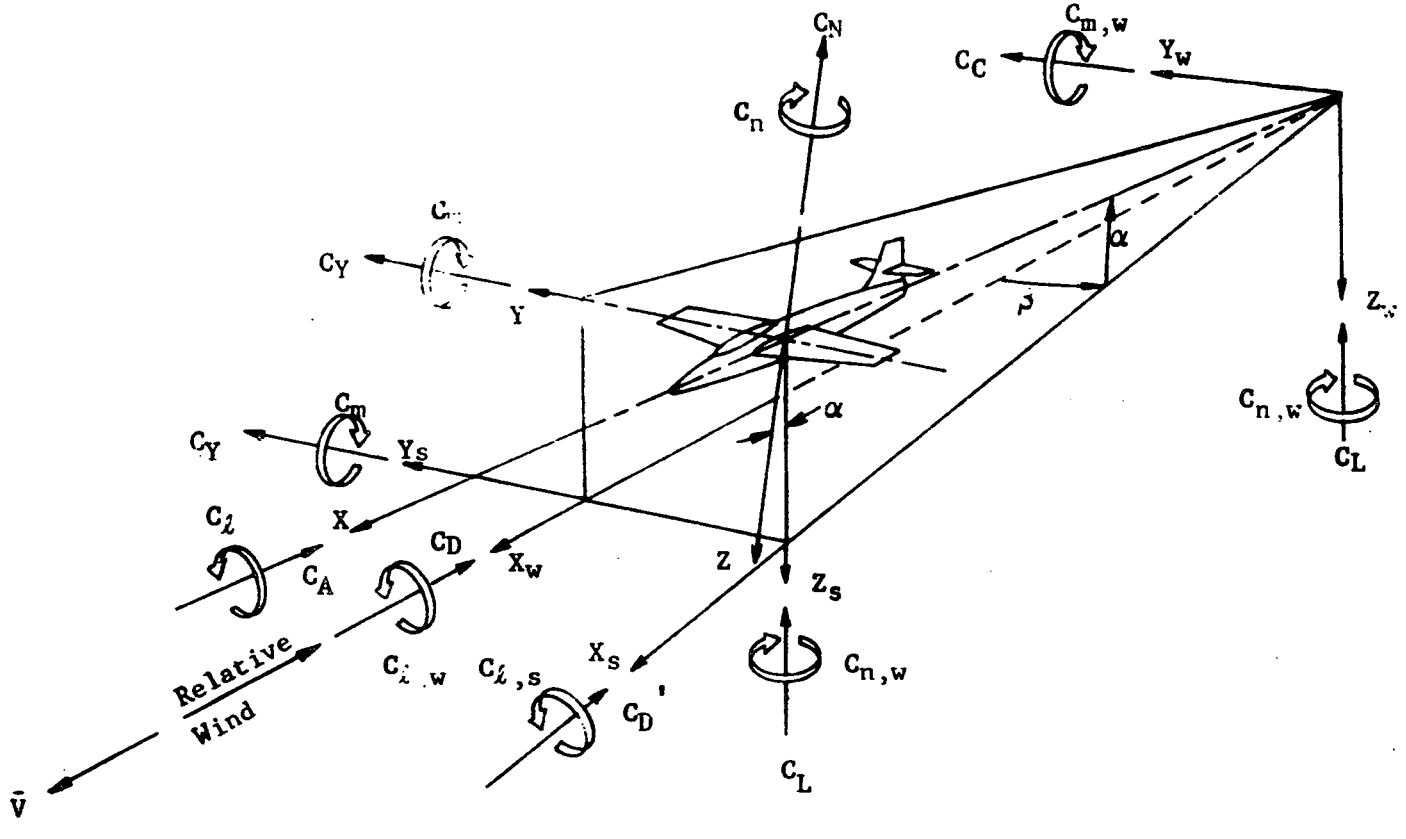


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle

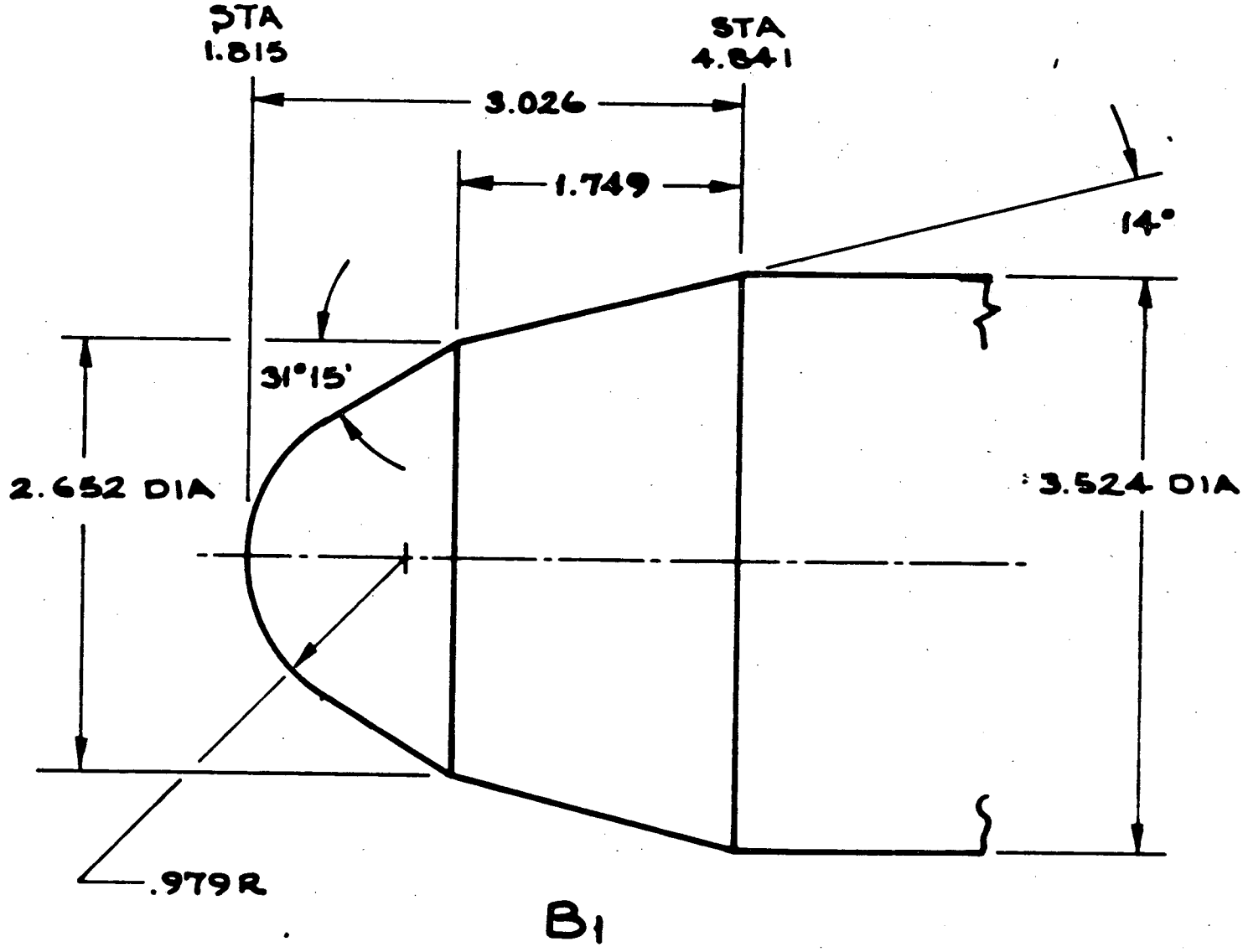


FIGURE 2. MODEL COMPONENT B1

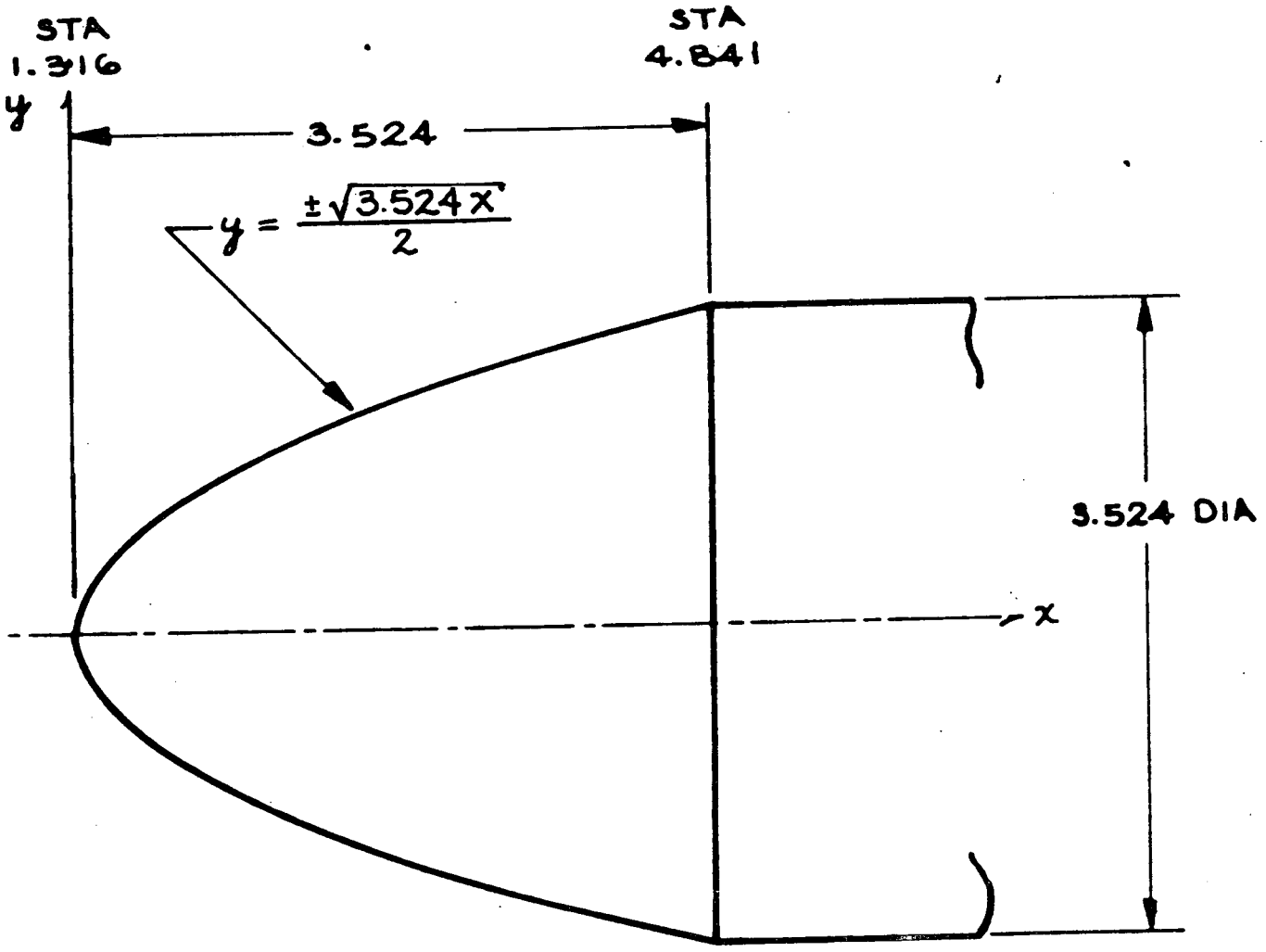


FIGURE 3. MODEL COMPONENT B2

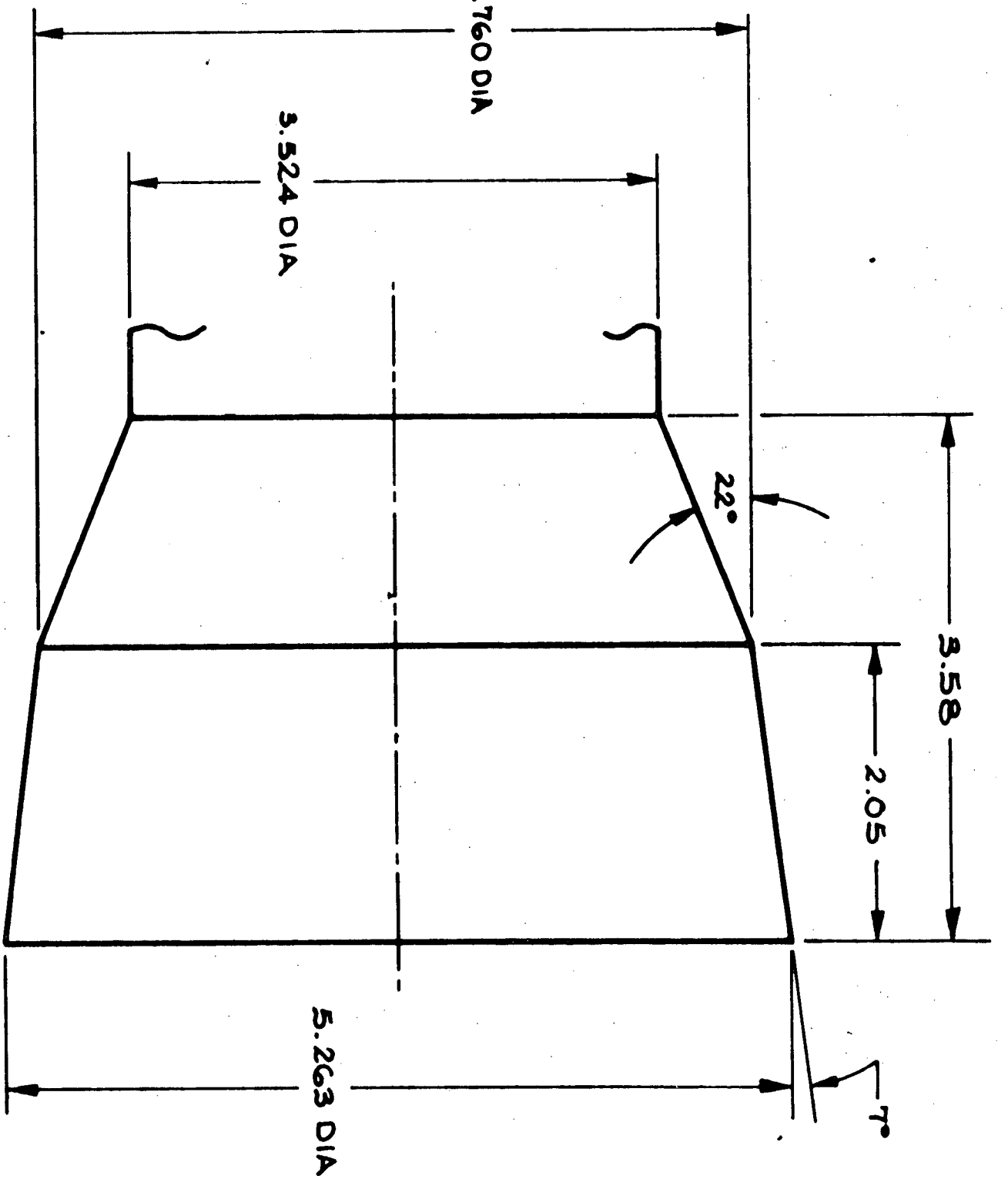


FIGURE 4. MODEL COMPONENT S1

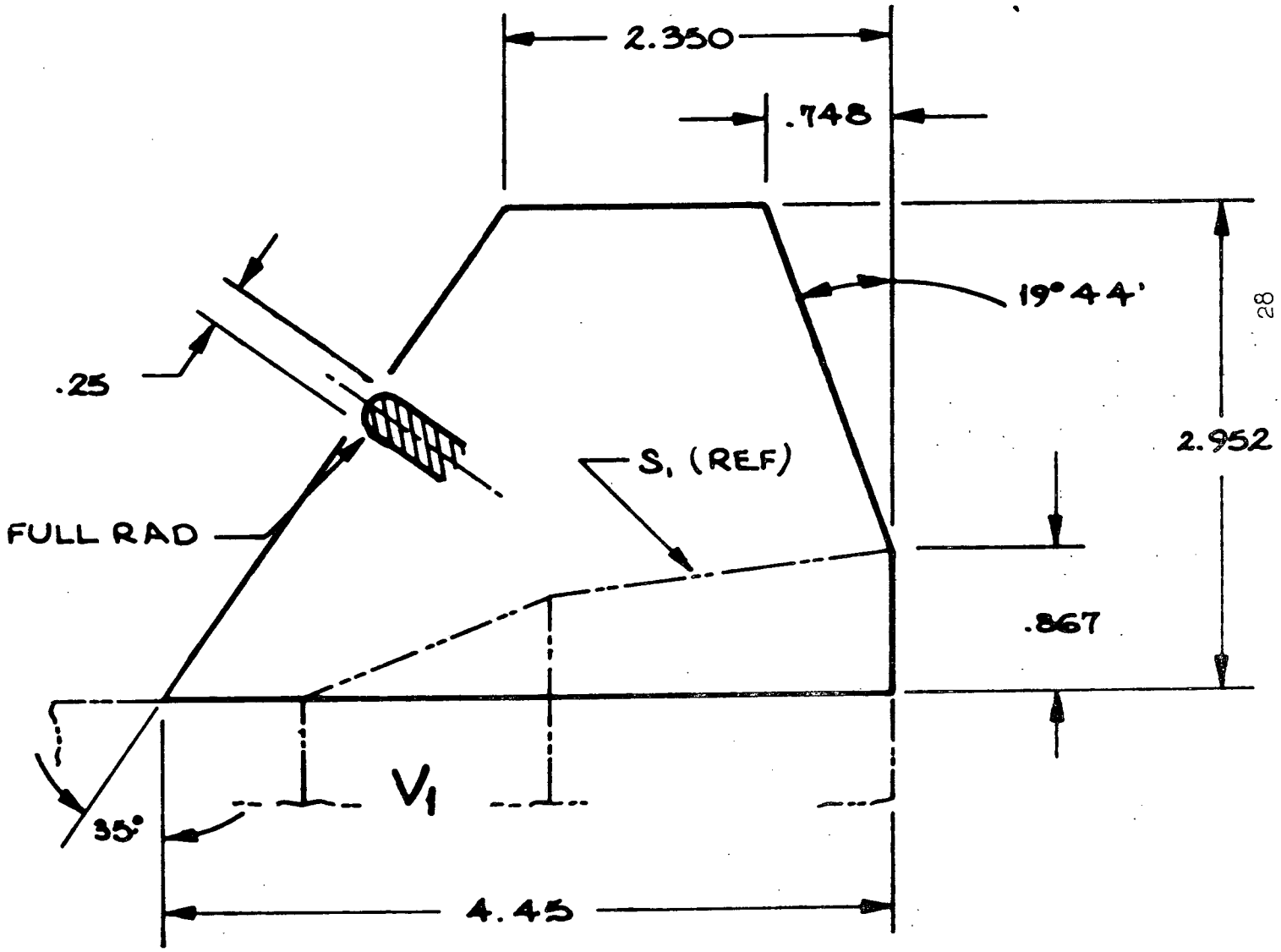


FIGURE 5. MODEL COMPONENT V1

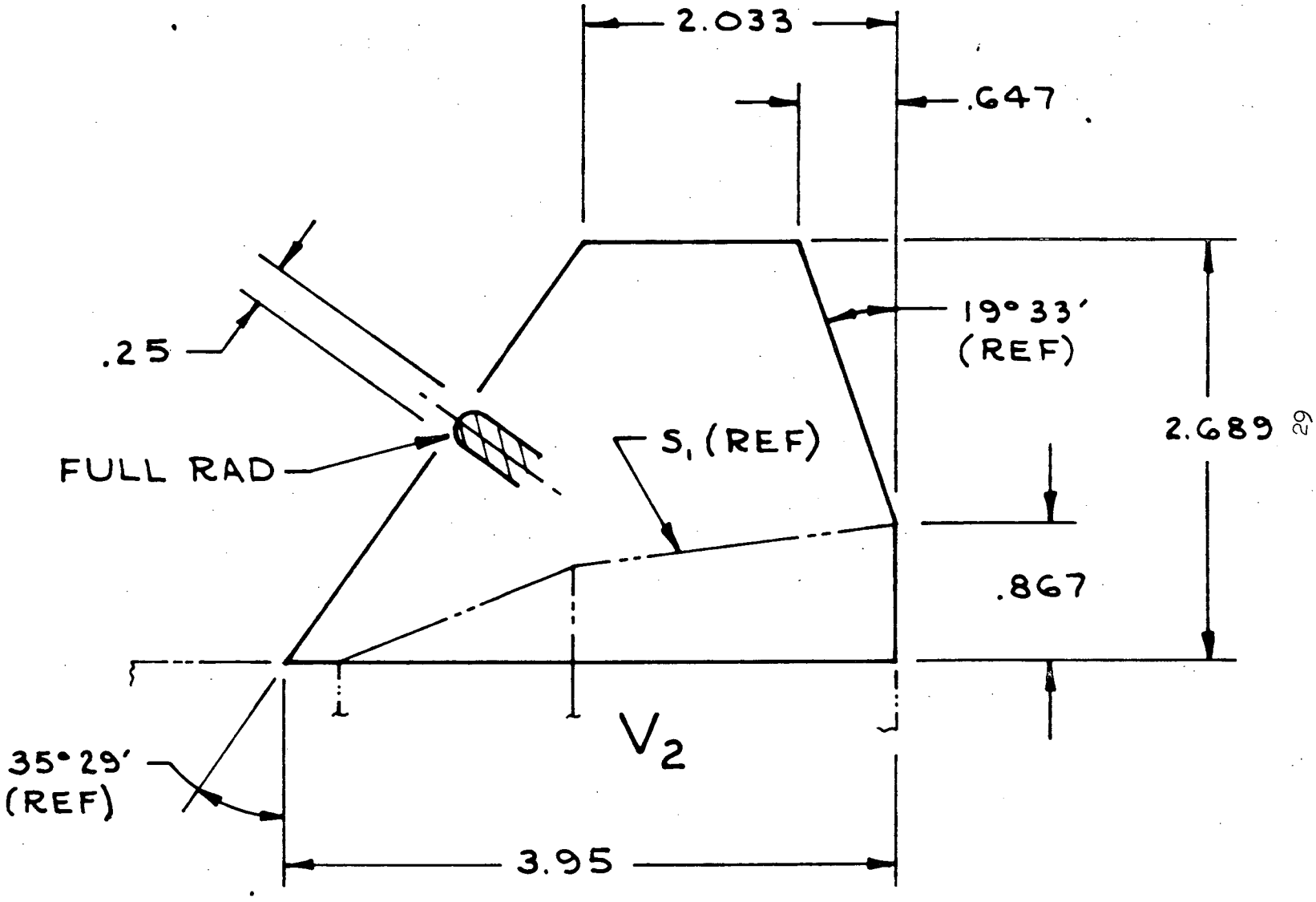
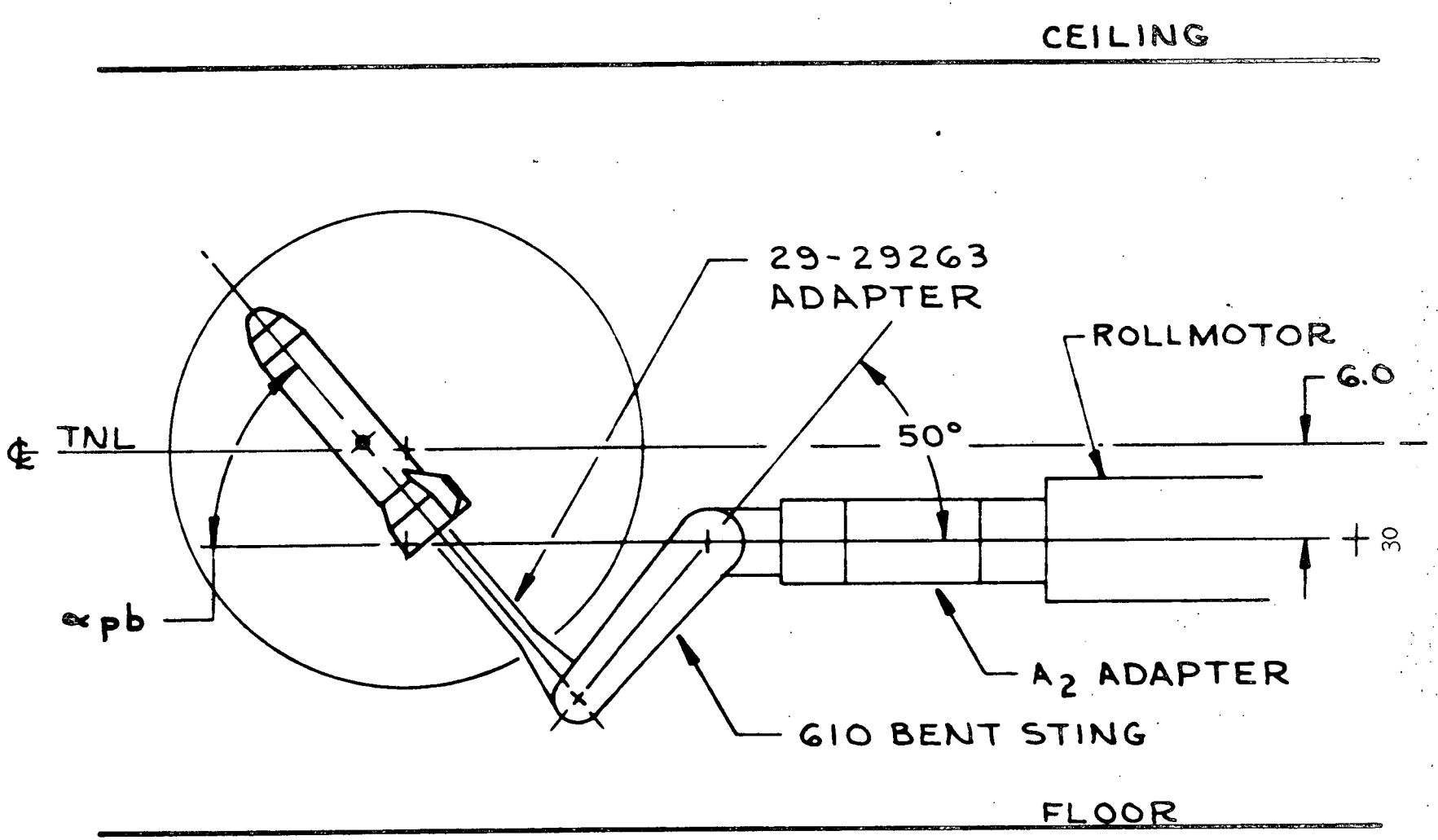
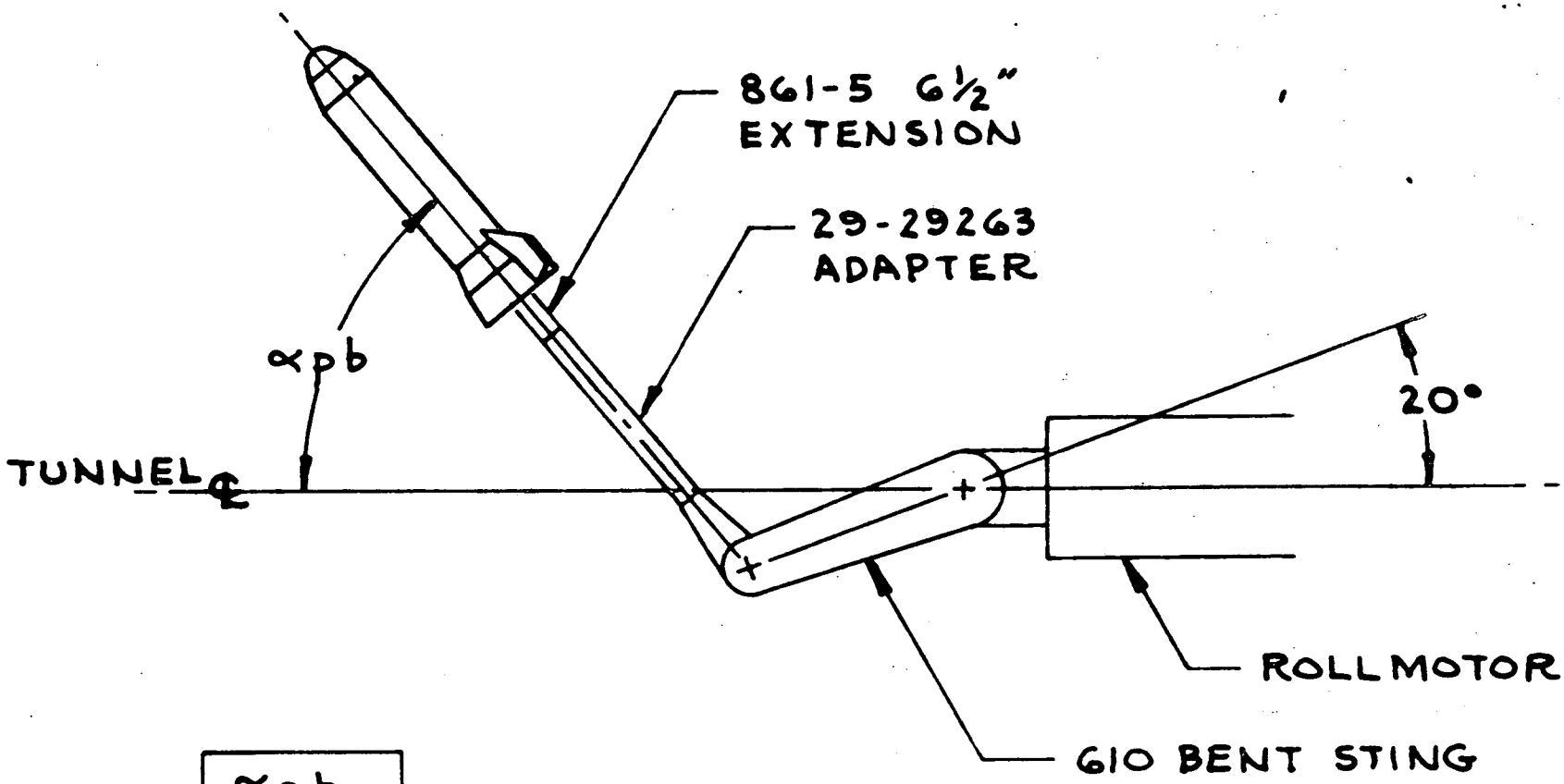


FIGURE 6. MODEL COMPONENT V2



∝pb
50.0°
67.5°
70.0°
72.5°
77.5°

FIGURE 7. ARRANGEMENT OF STING PARTS USED IN SUPERSONIC TESTING



αpb
50.0°
70.0°
85.0°

FIGURE 8. ARRANGEMENT OF STING PARTS USED IN TRANSONIC TESTING

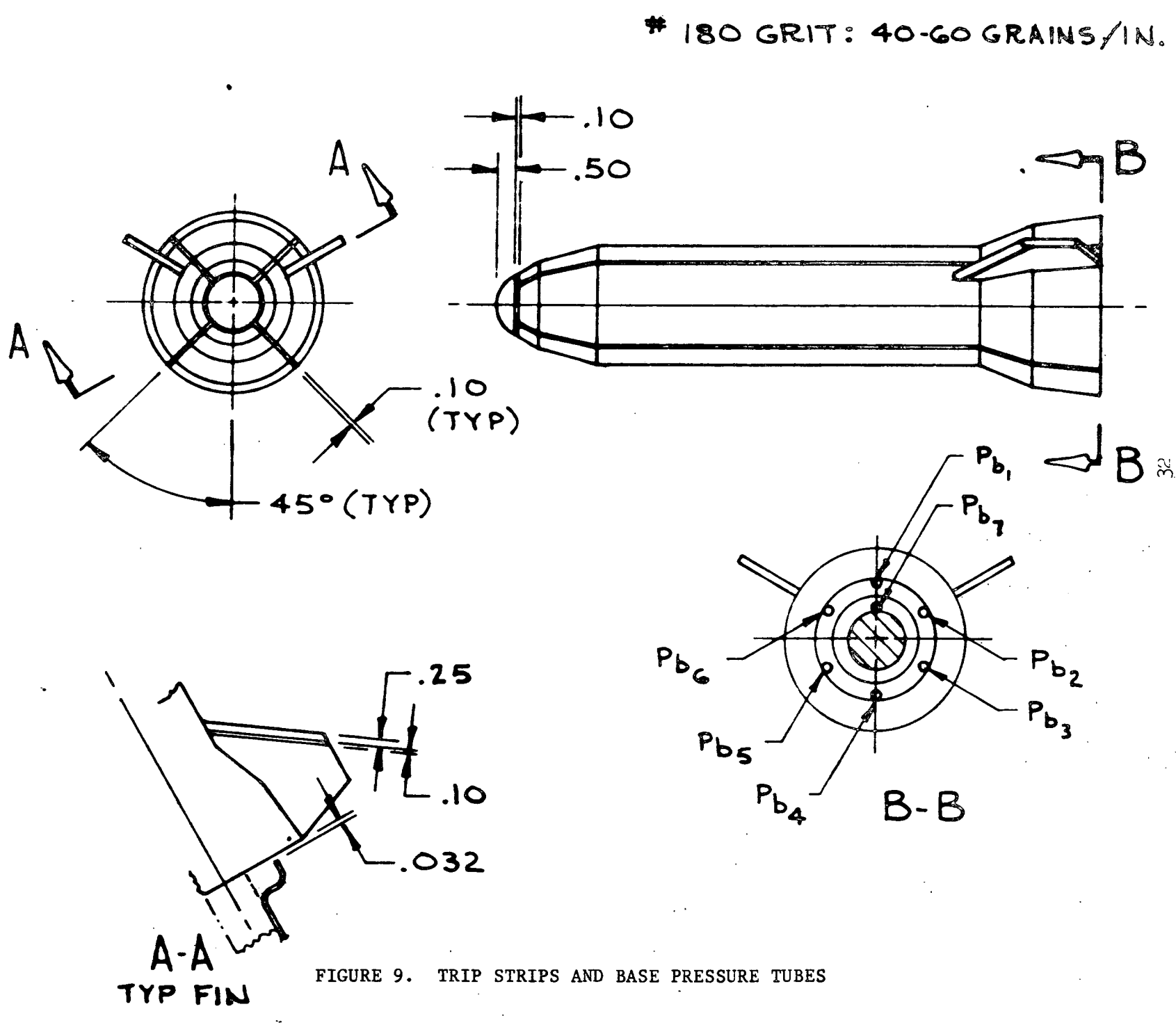


FIGURE 9. TRIP STRIPS AND BASE PRESSURE TUBES

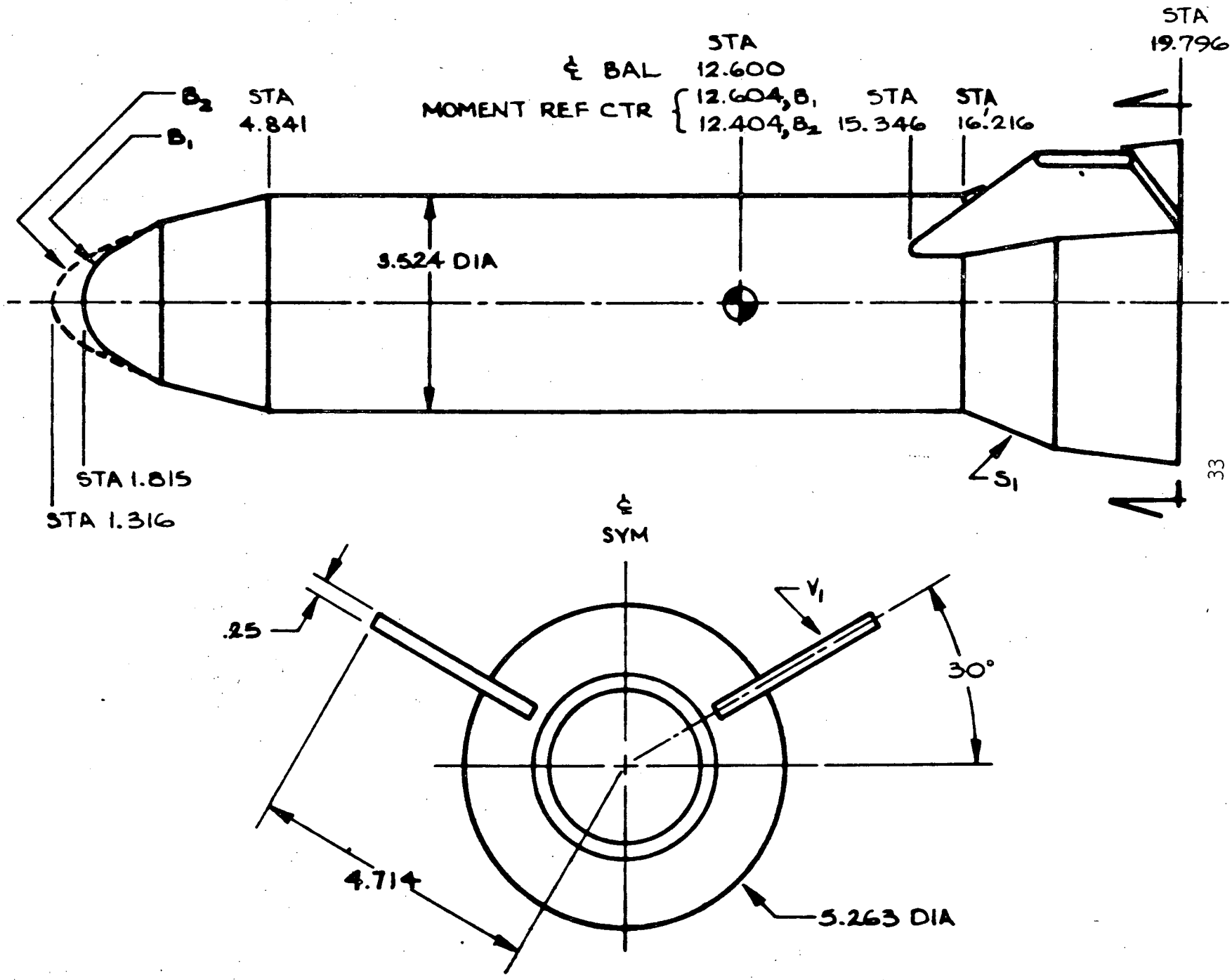
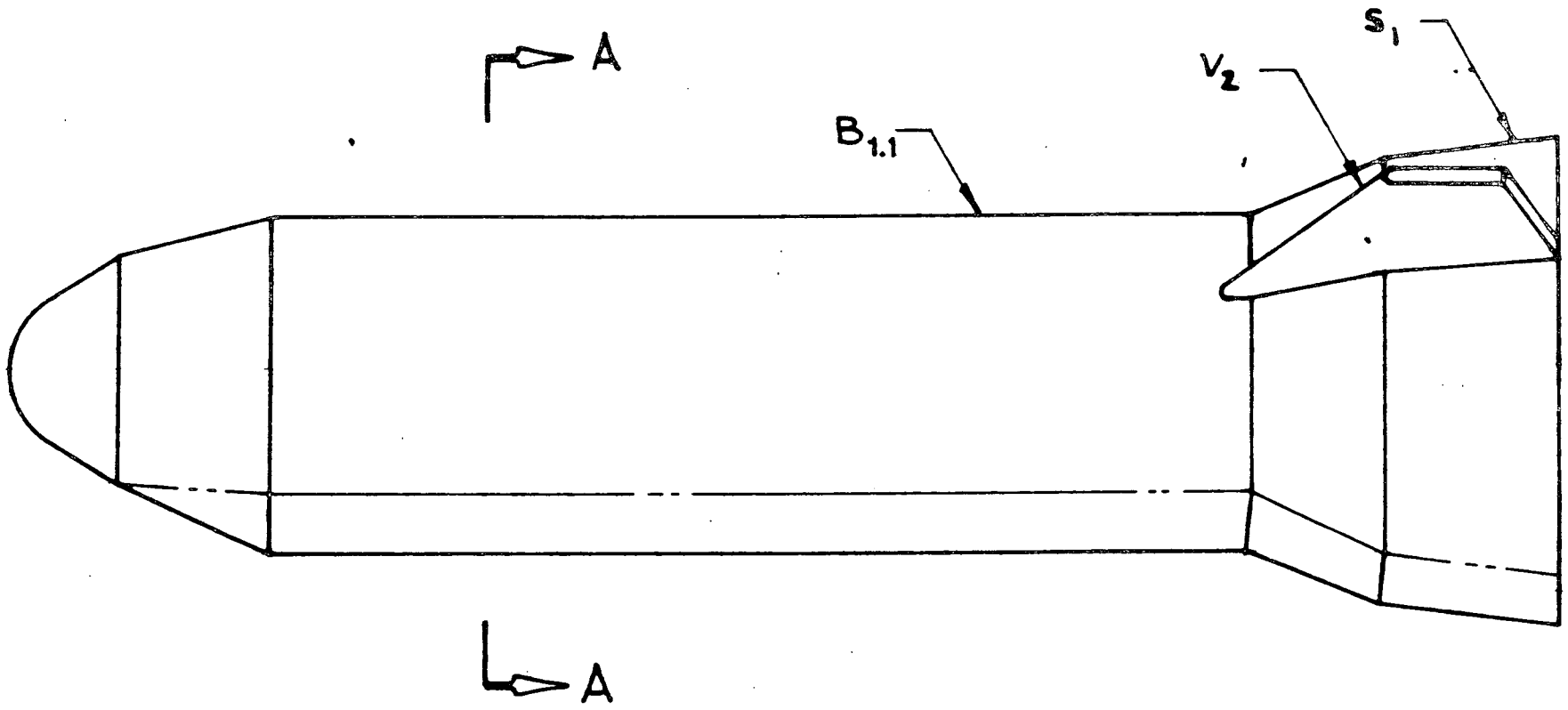


FIGURE 10. MODEL ASSEMBLY



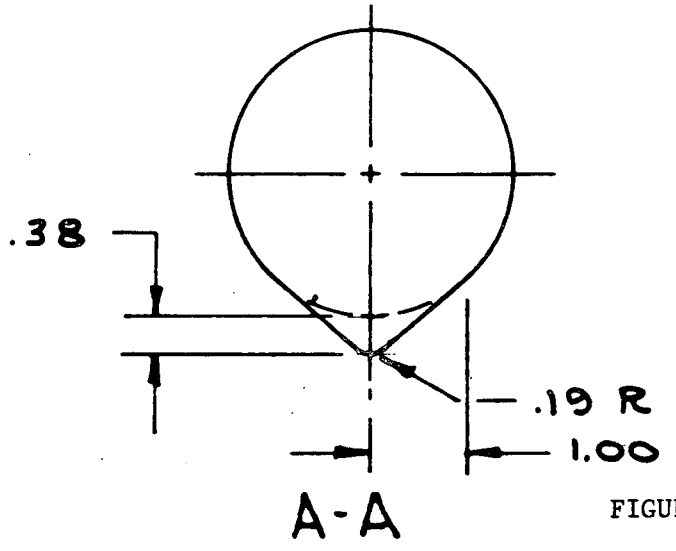
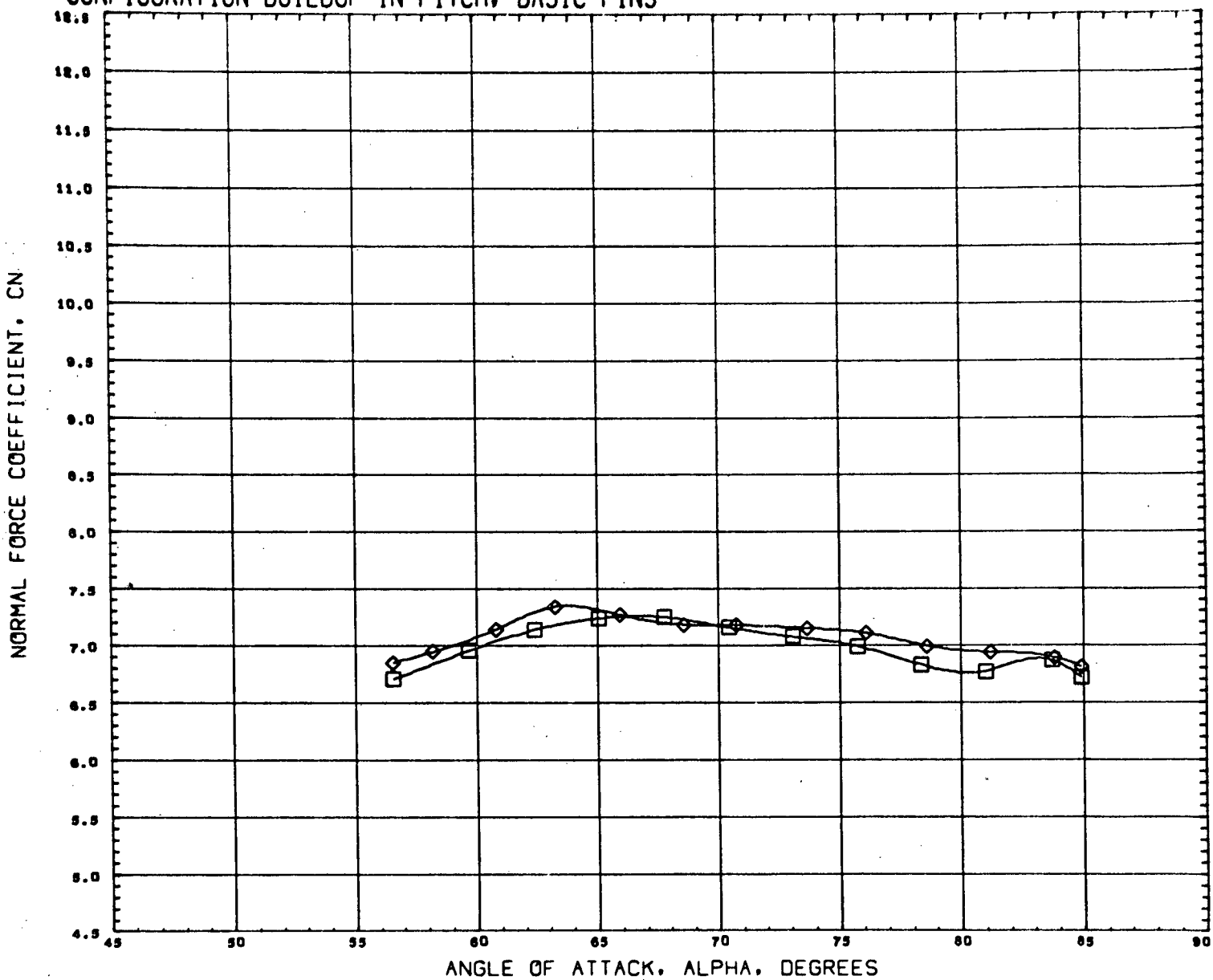


FIGURE 11. CONFIGURATION $B_{1.1}S_1V_2$

D A T A F I G U R E S

Tabulations of the plotted data and corresponding source data are available from SADSAC Operations.

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

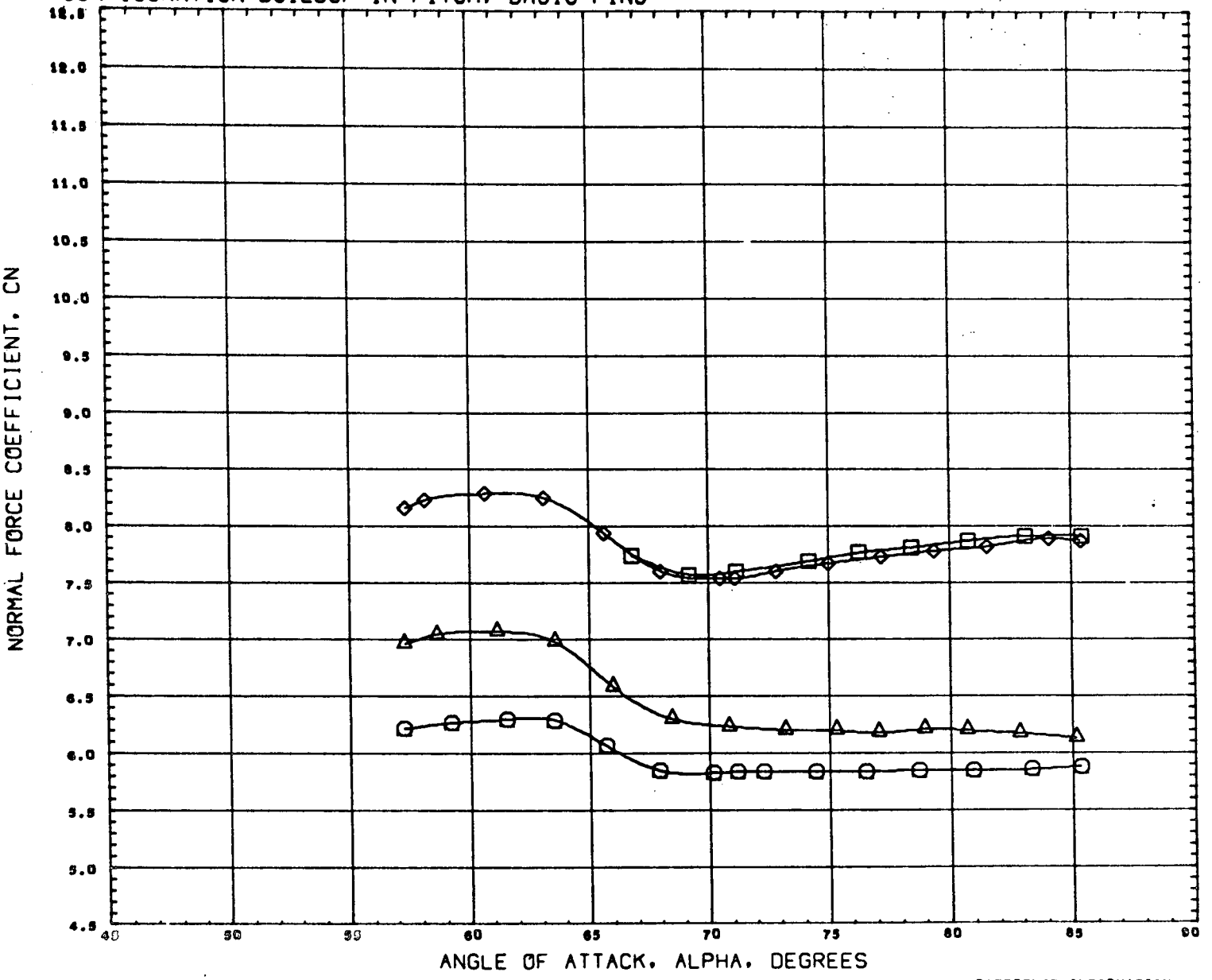


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



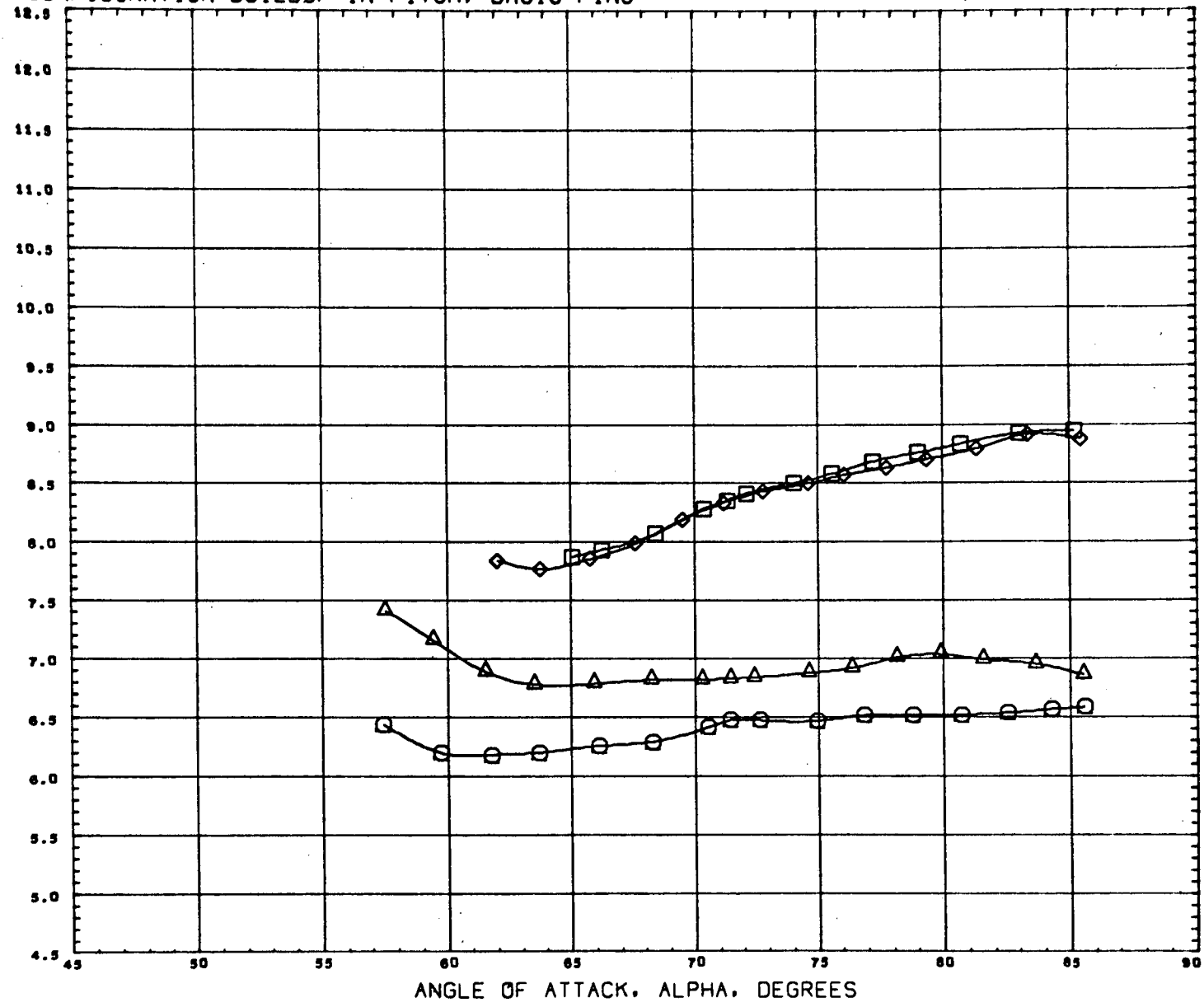
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

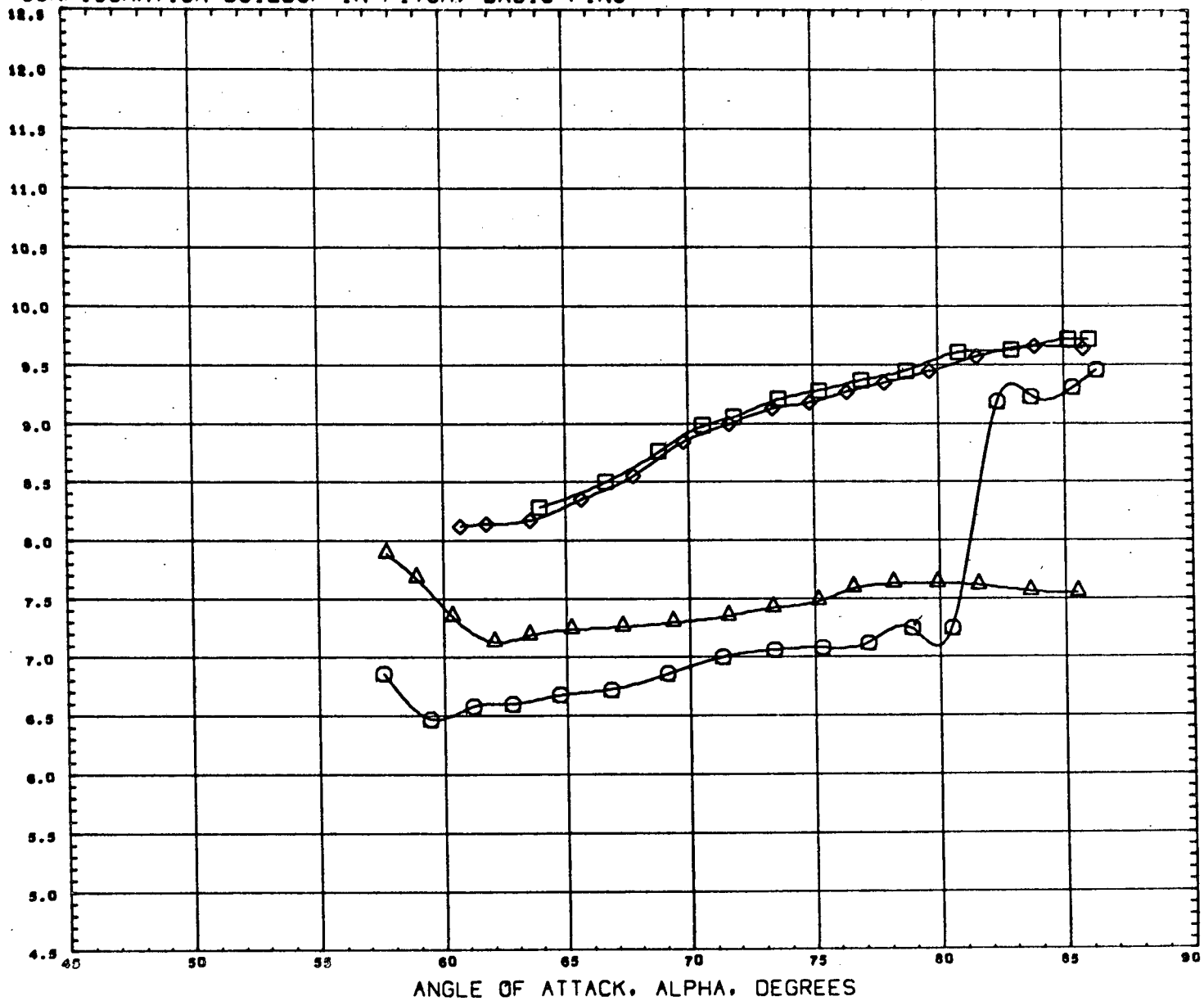


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

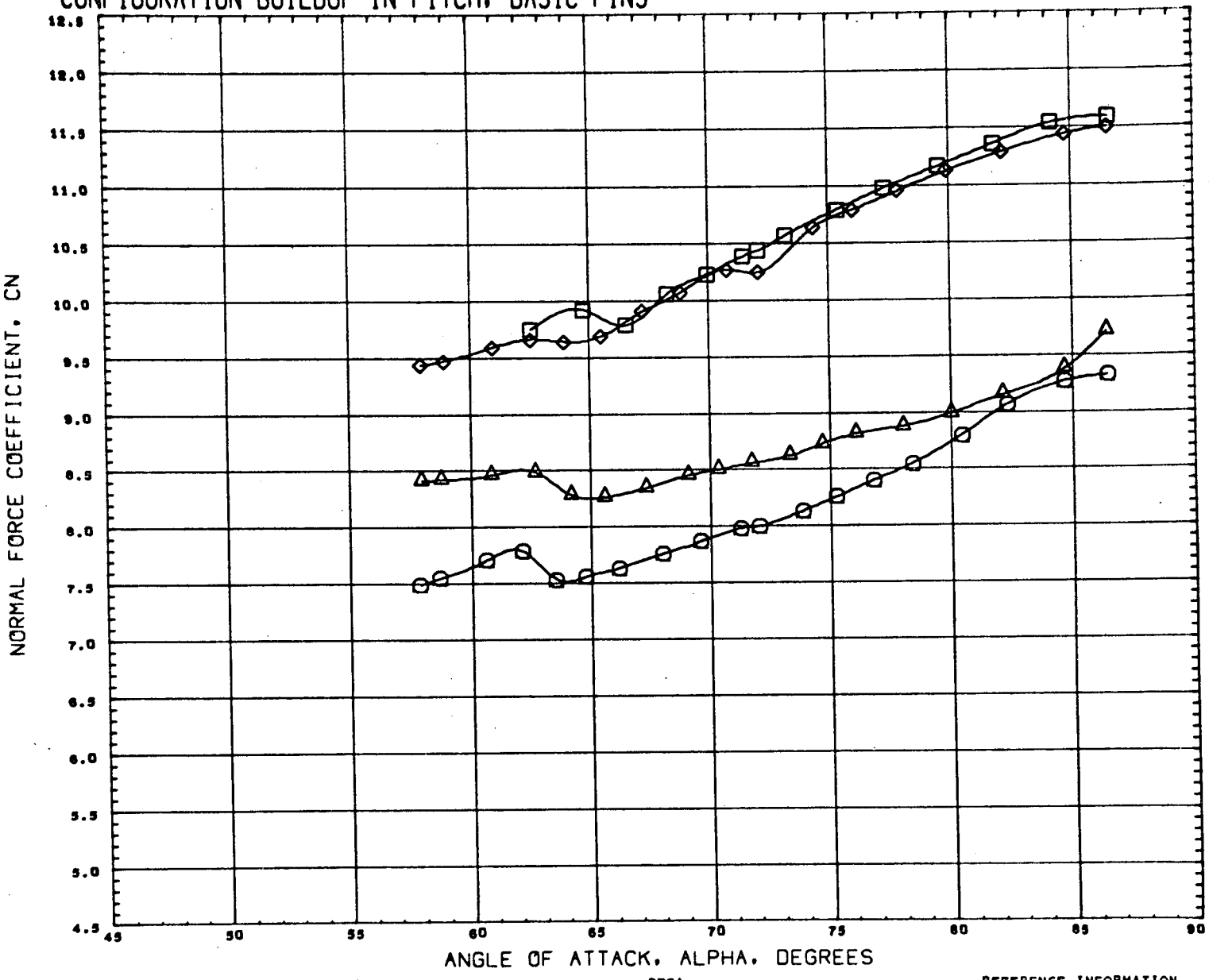


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



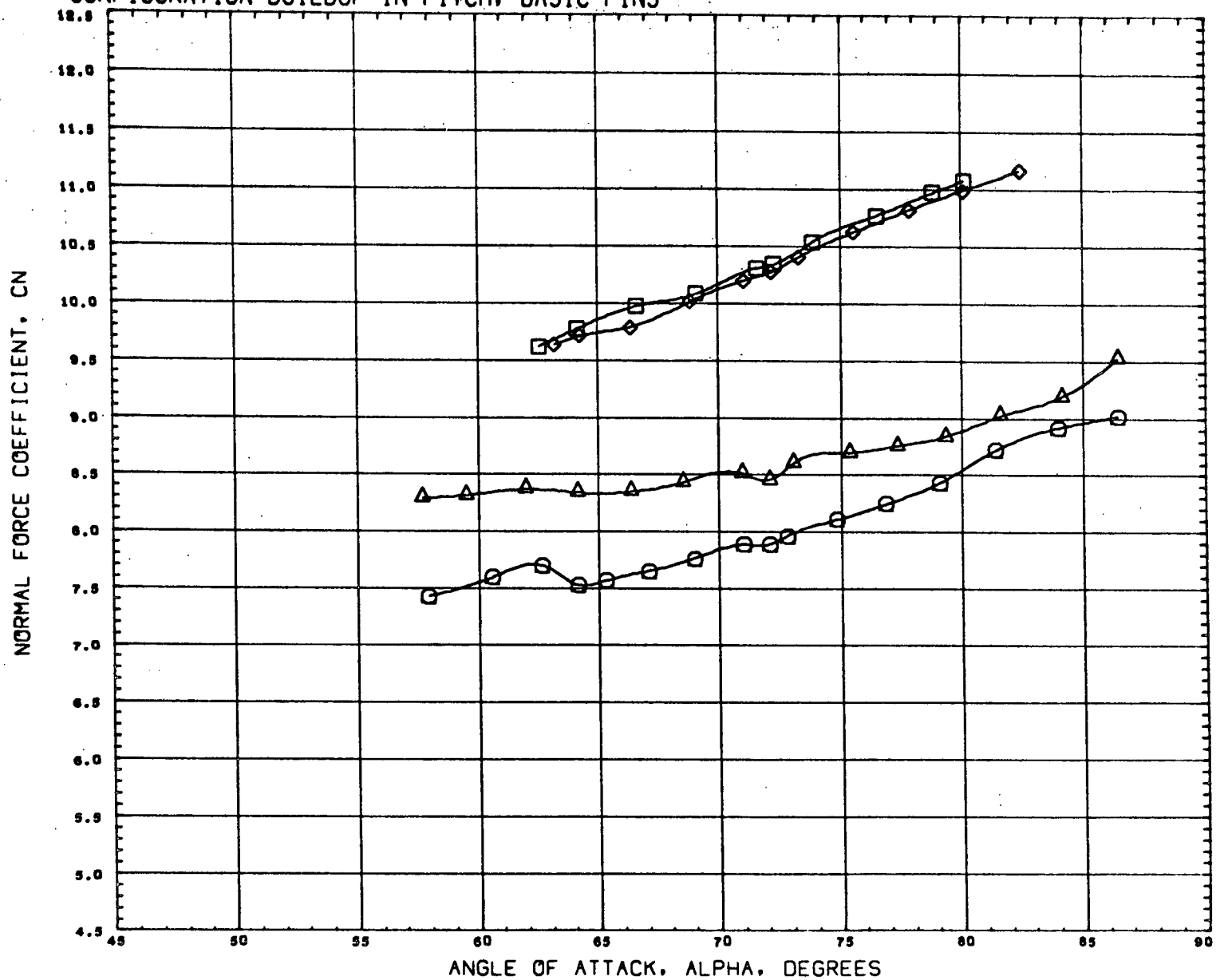
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

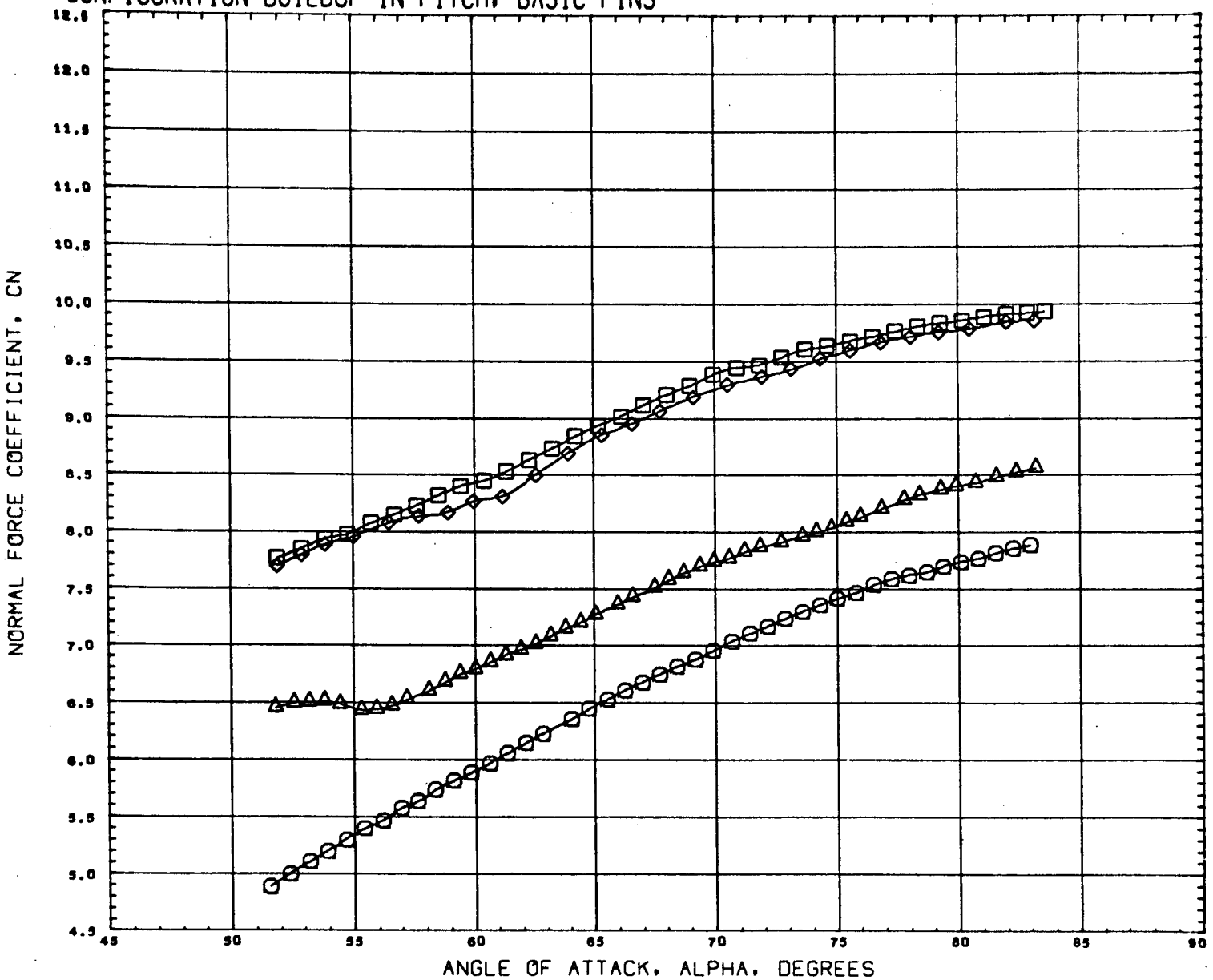


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



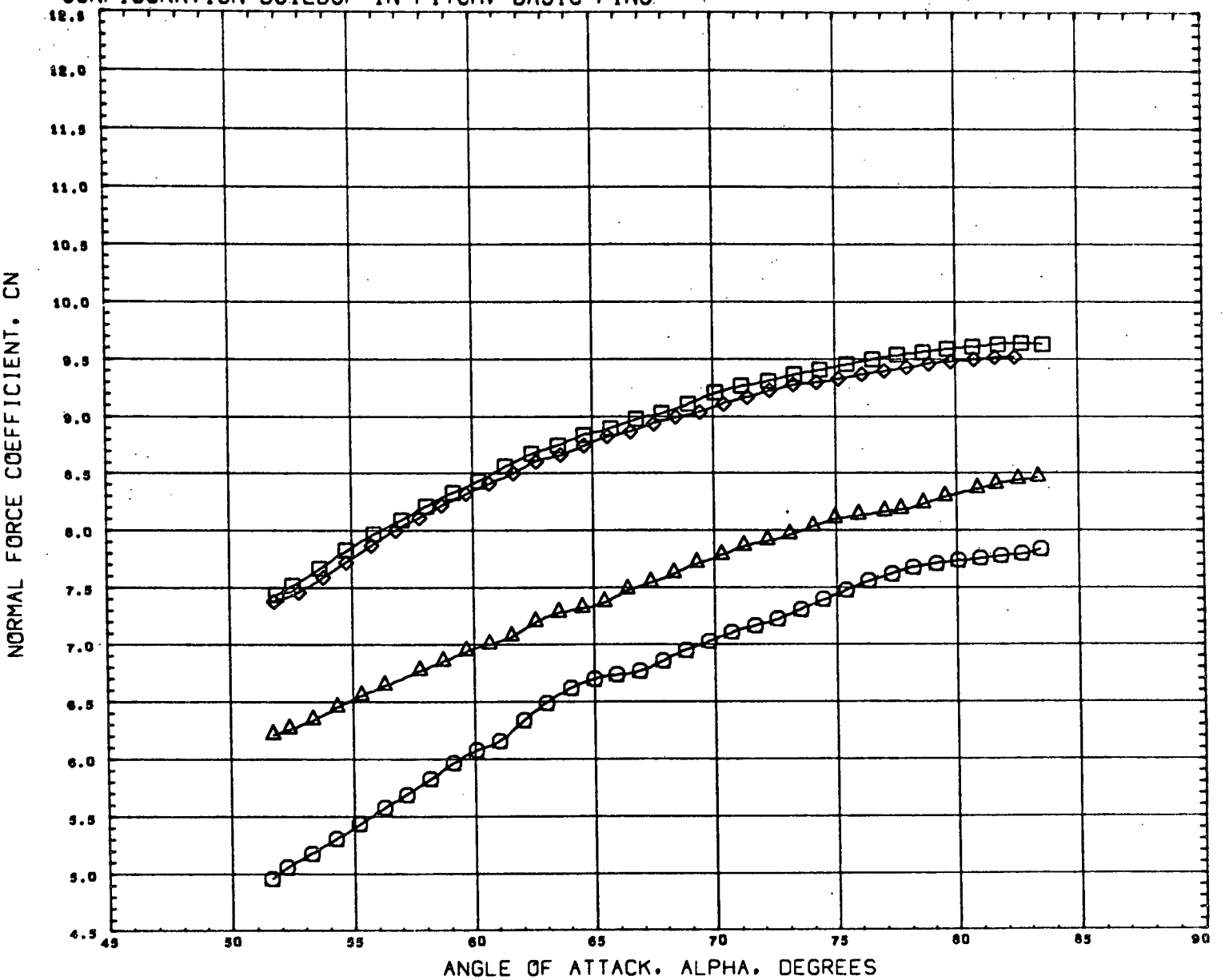
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
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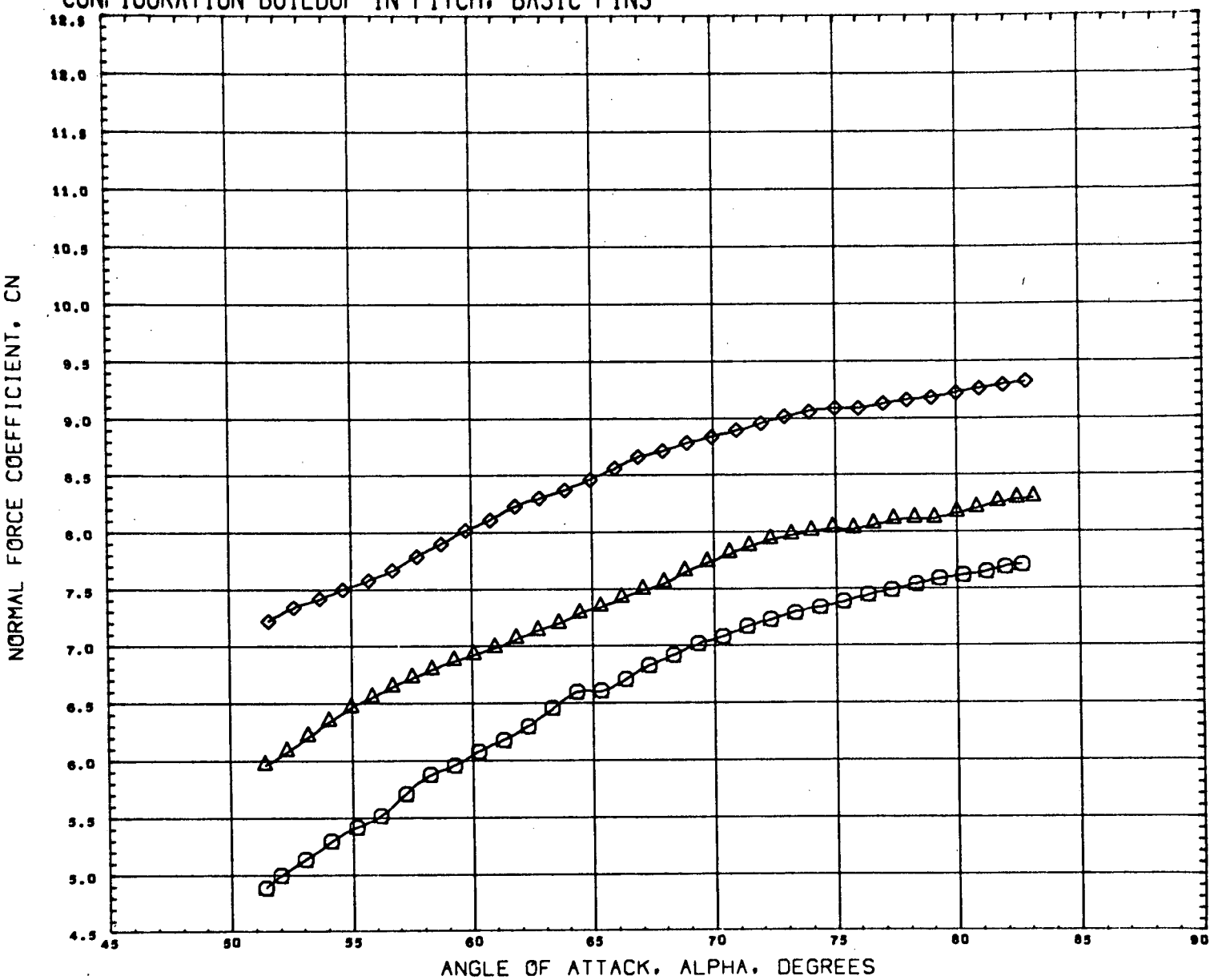
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
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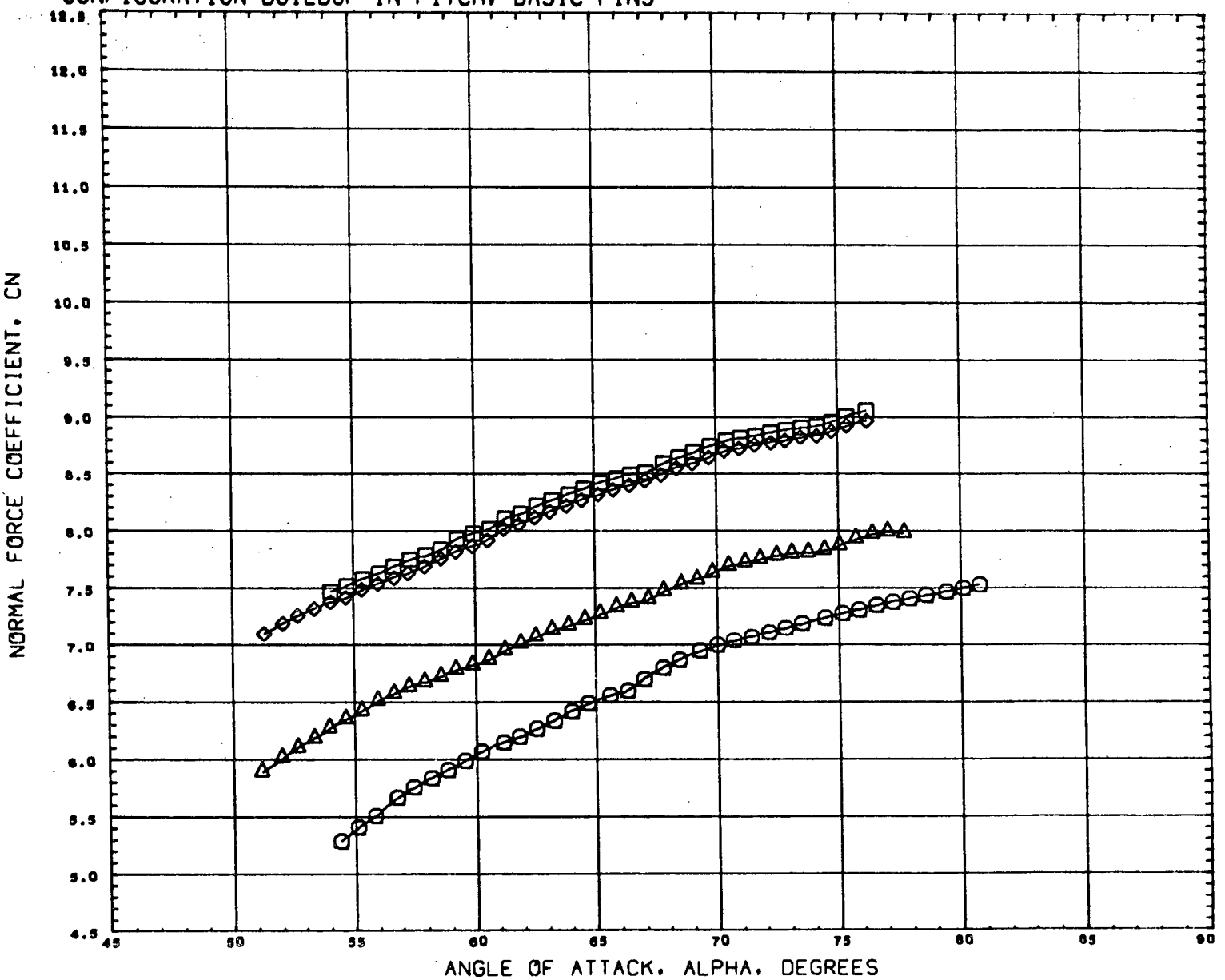
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
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LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
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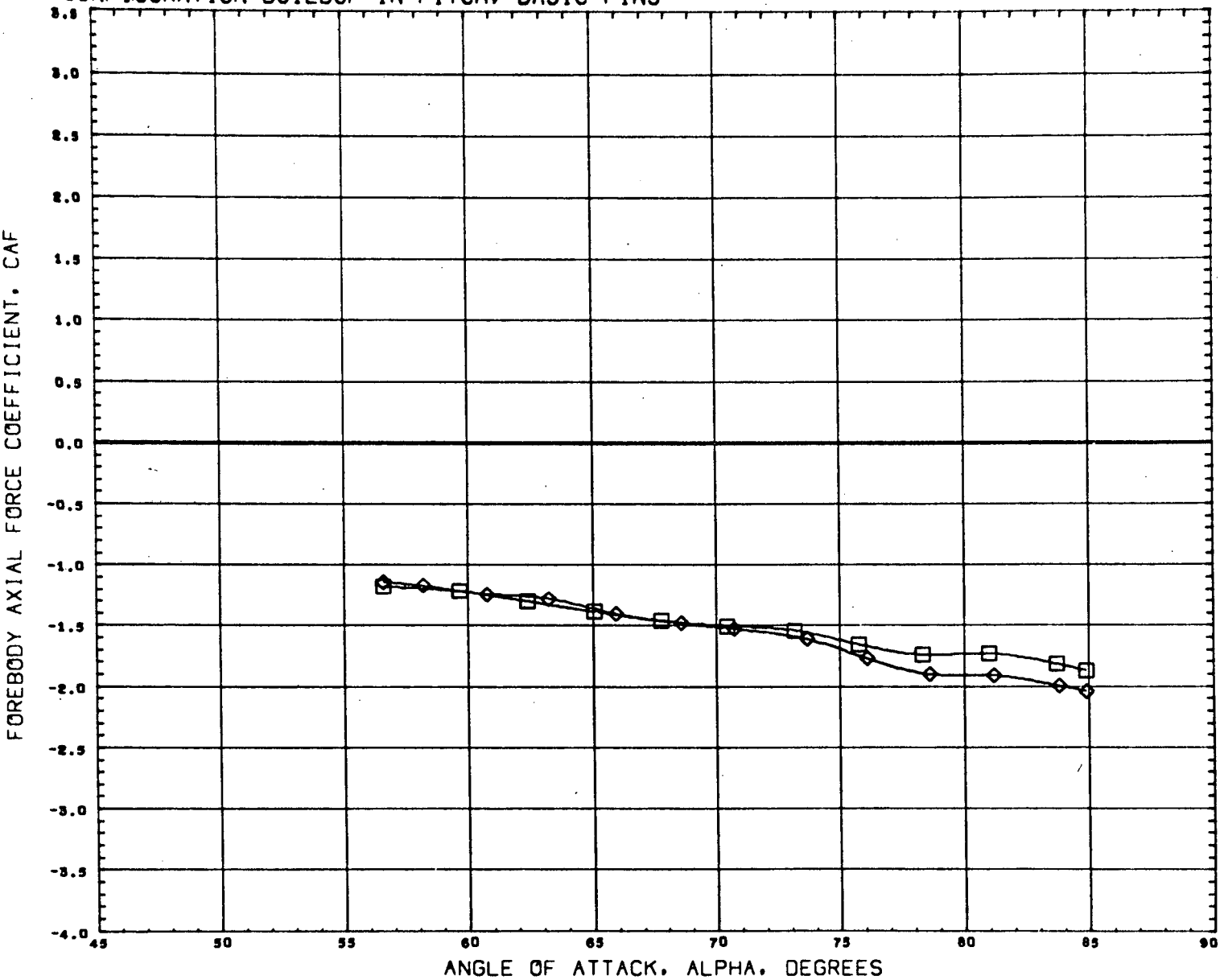
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

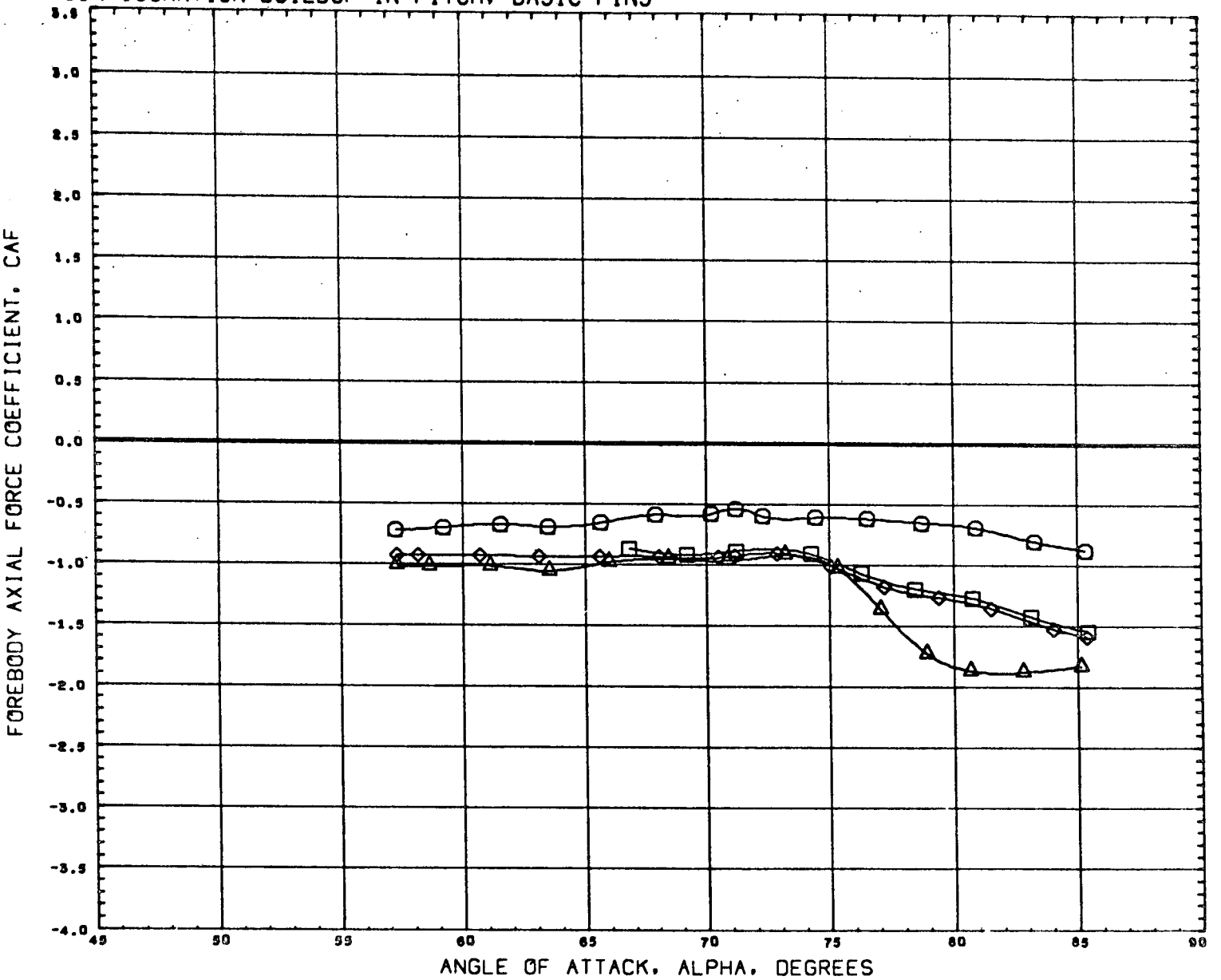


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

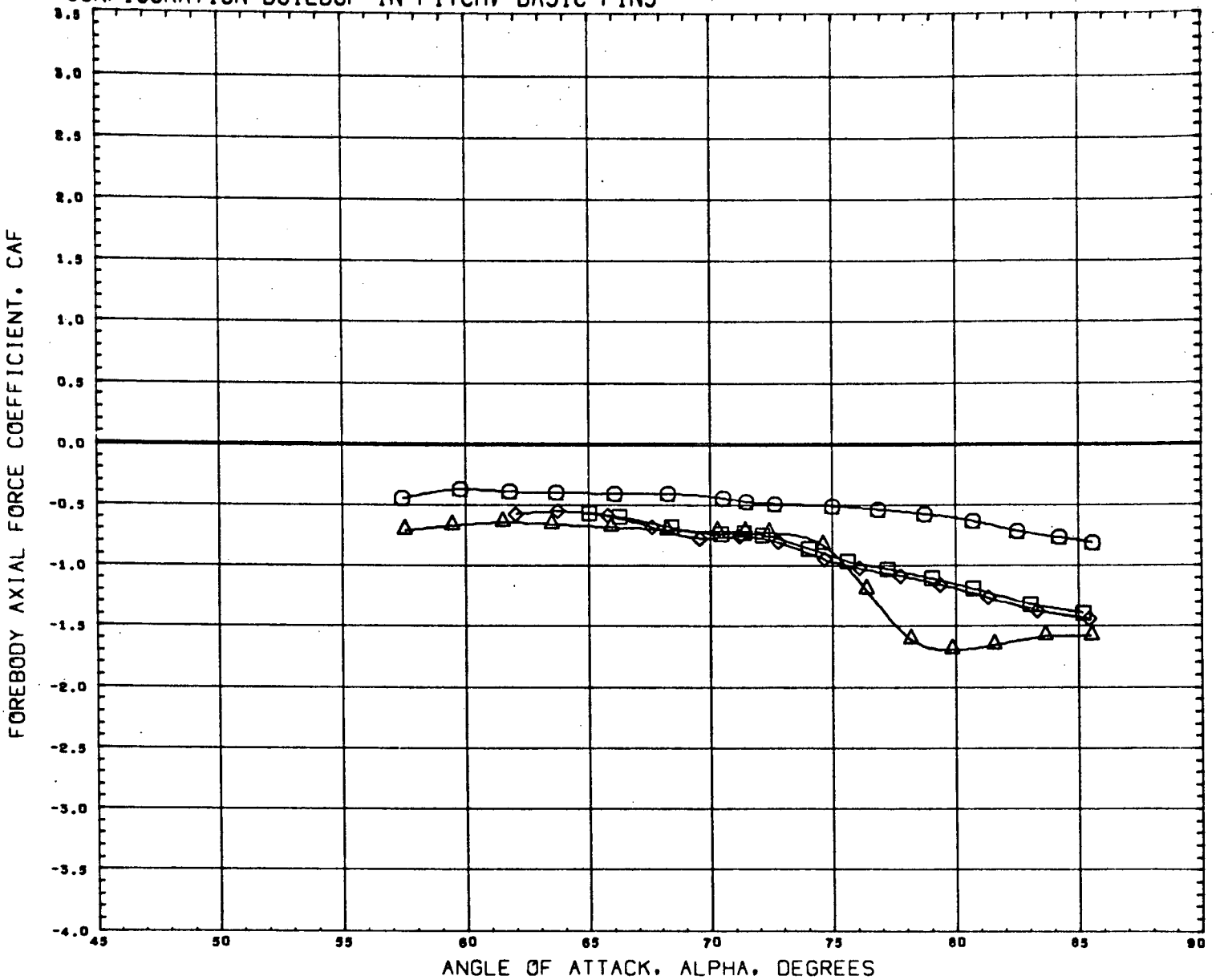


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



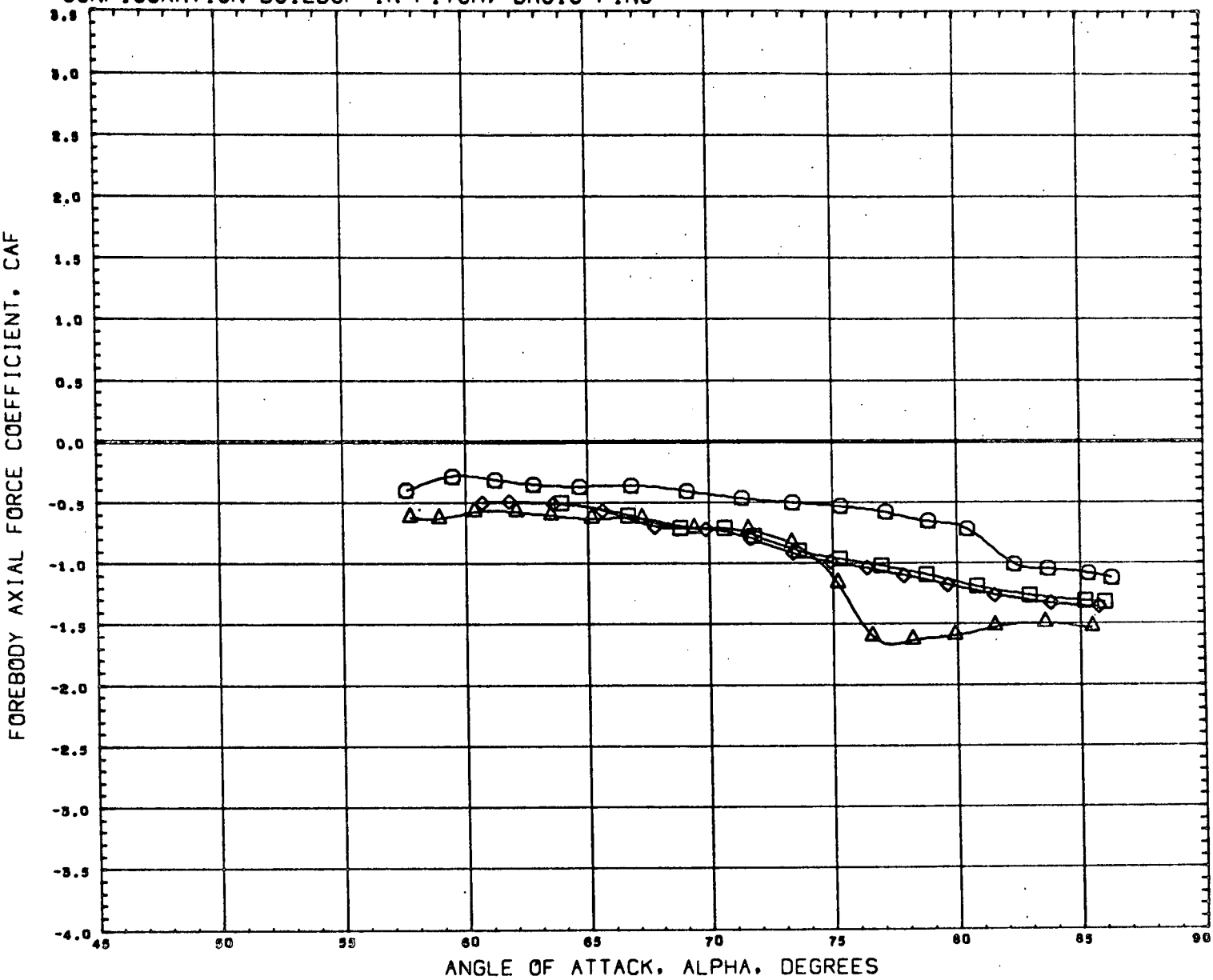
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



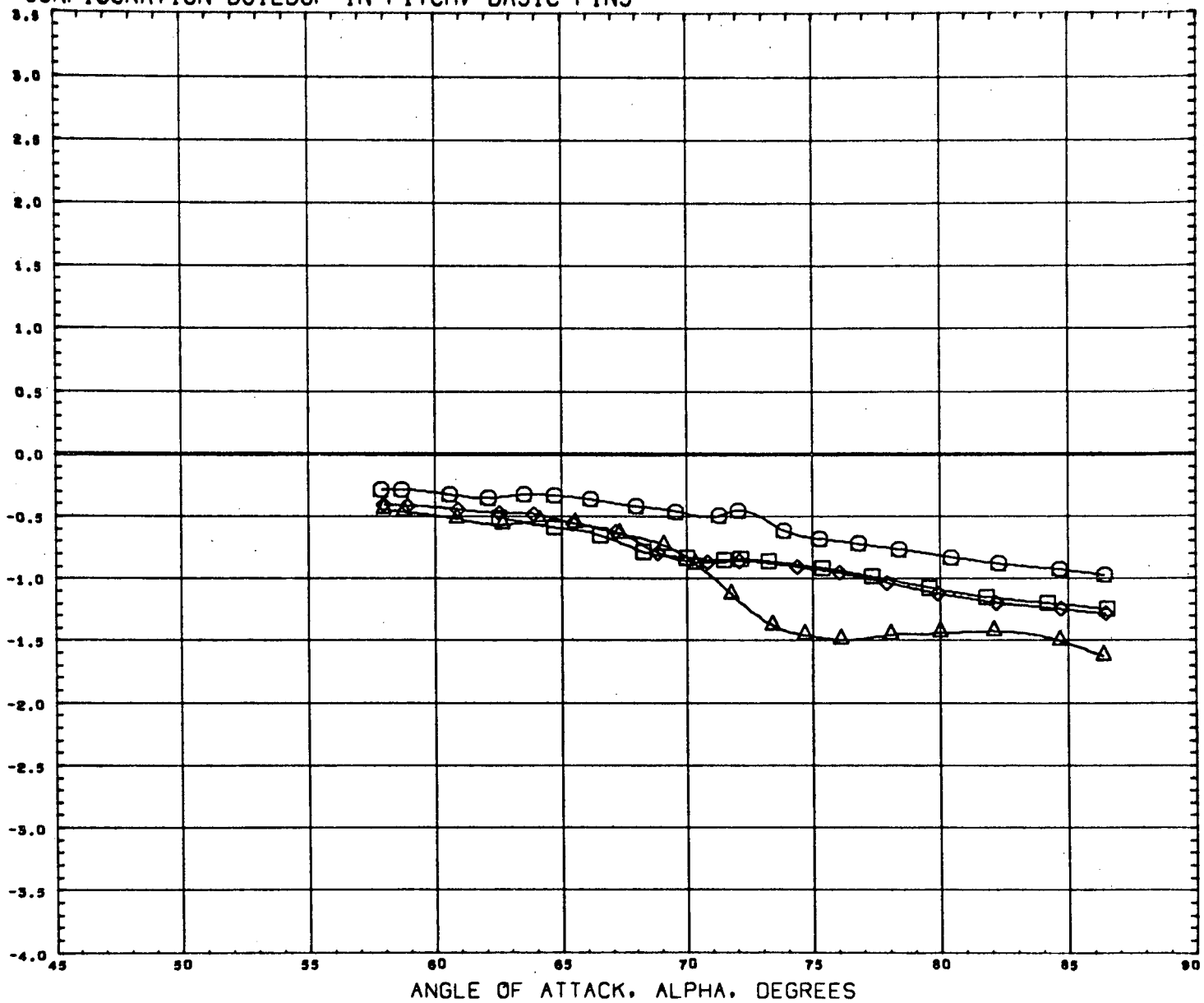
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
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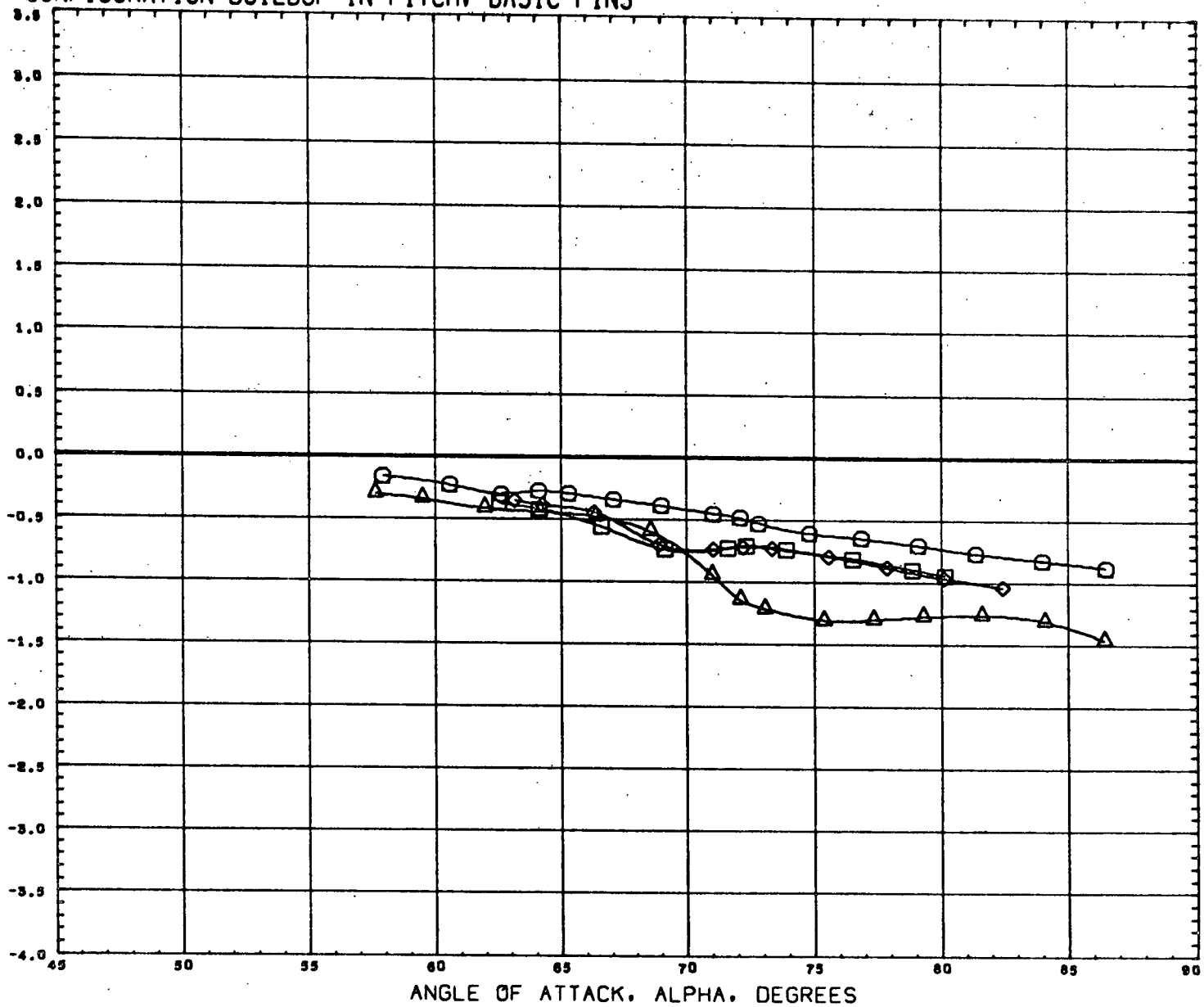
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

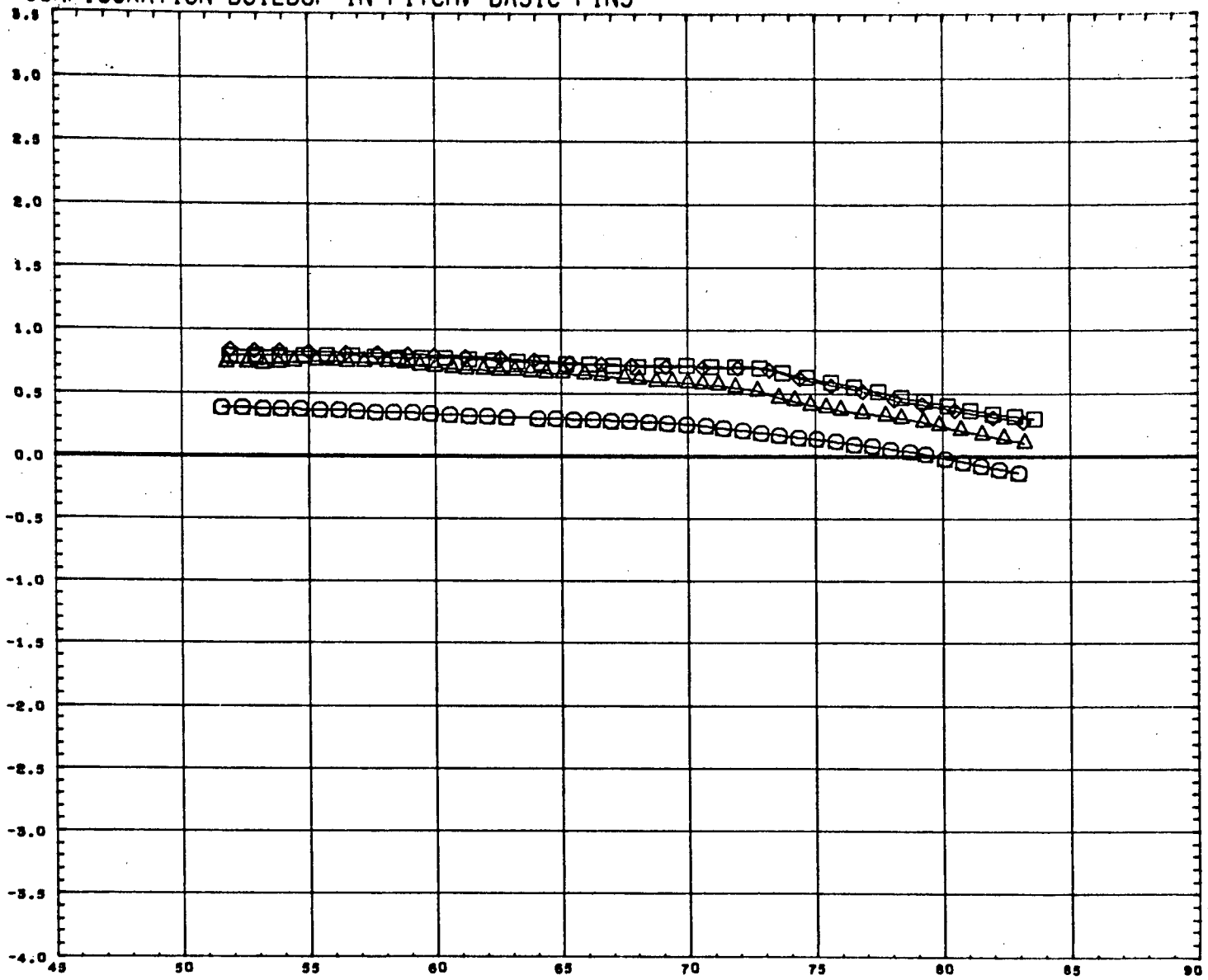


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



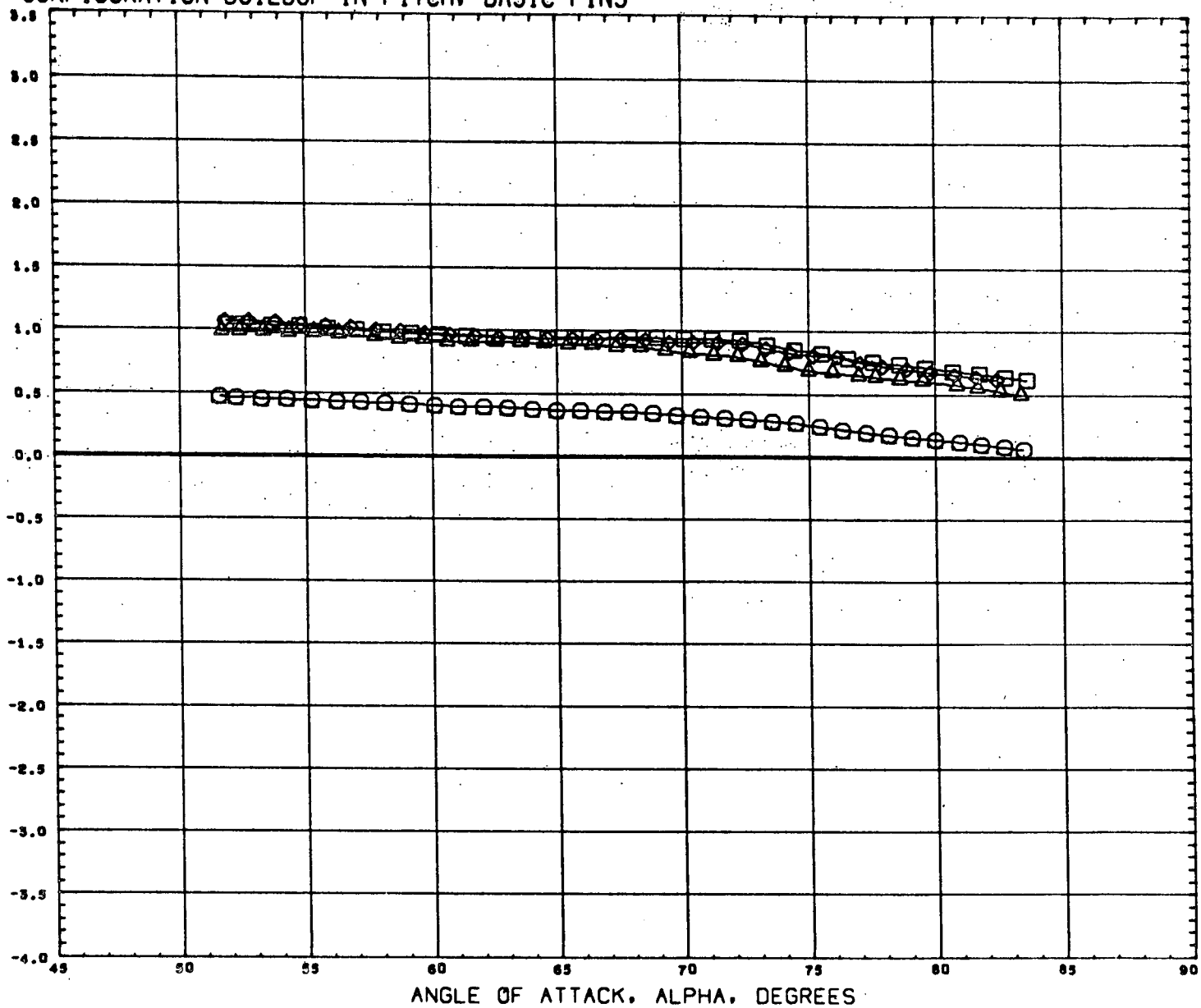
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4091)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



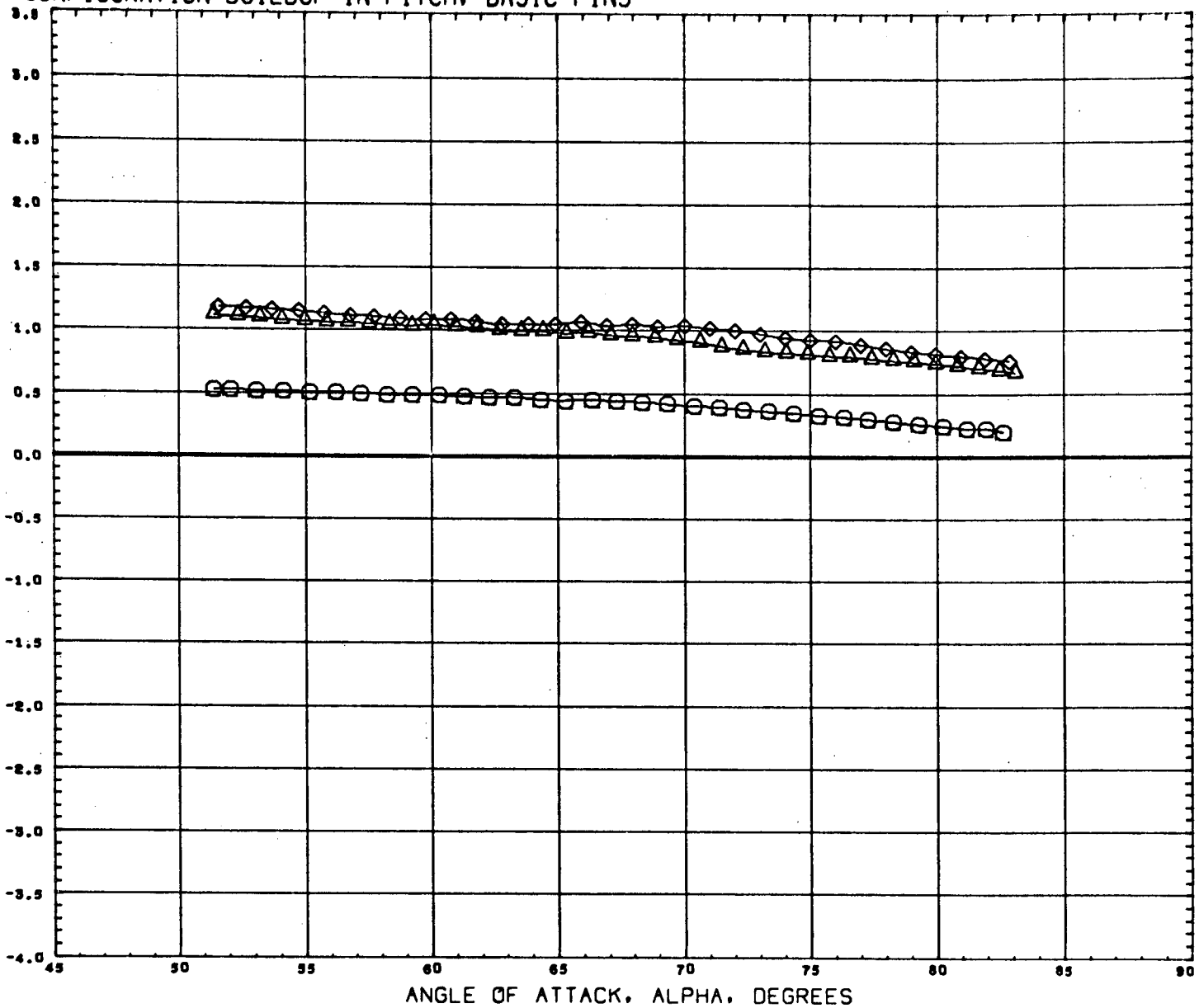
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

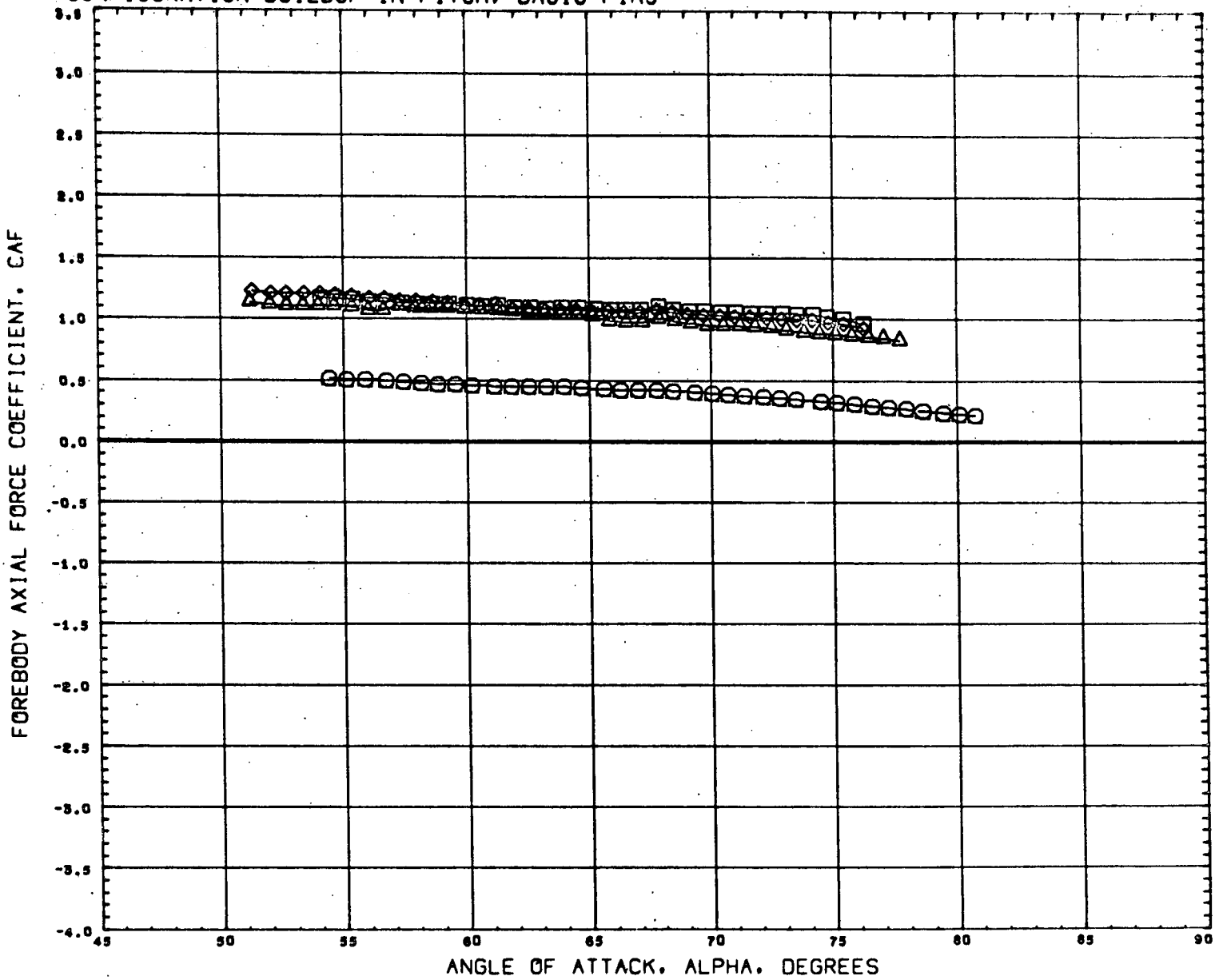


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)		DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

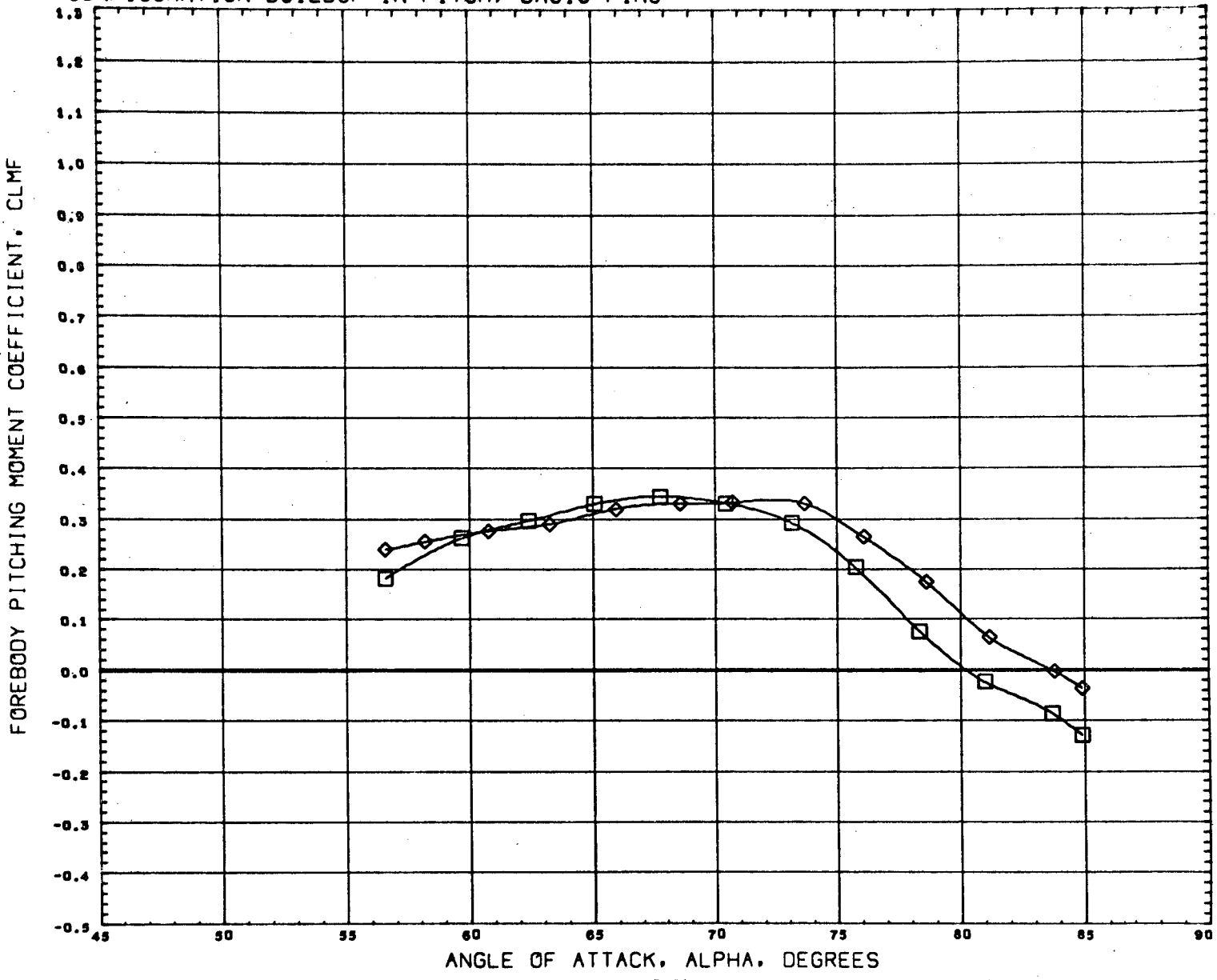


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



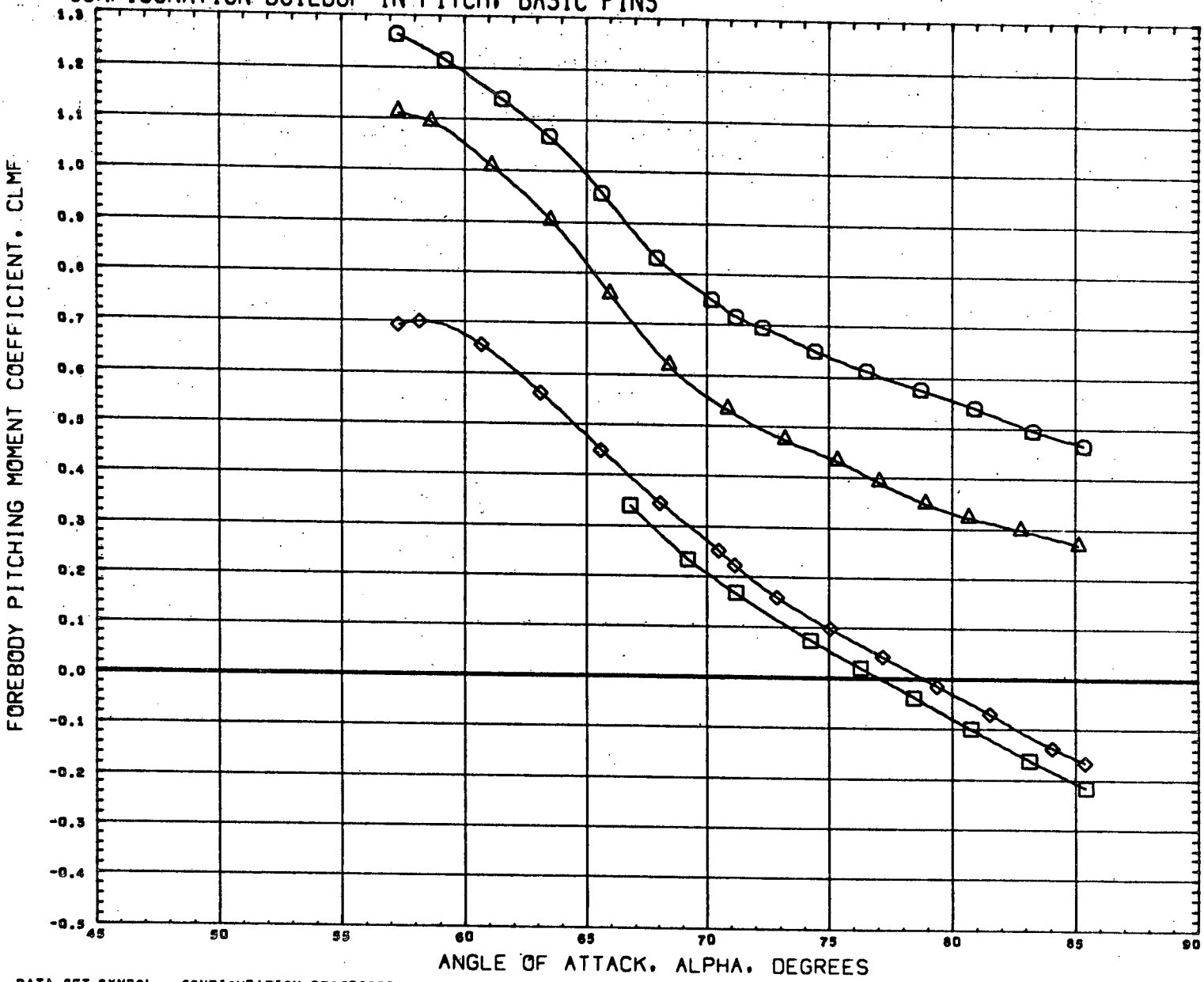
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4091)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

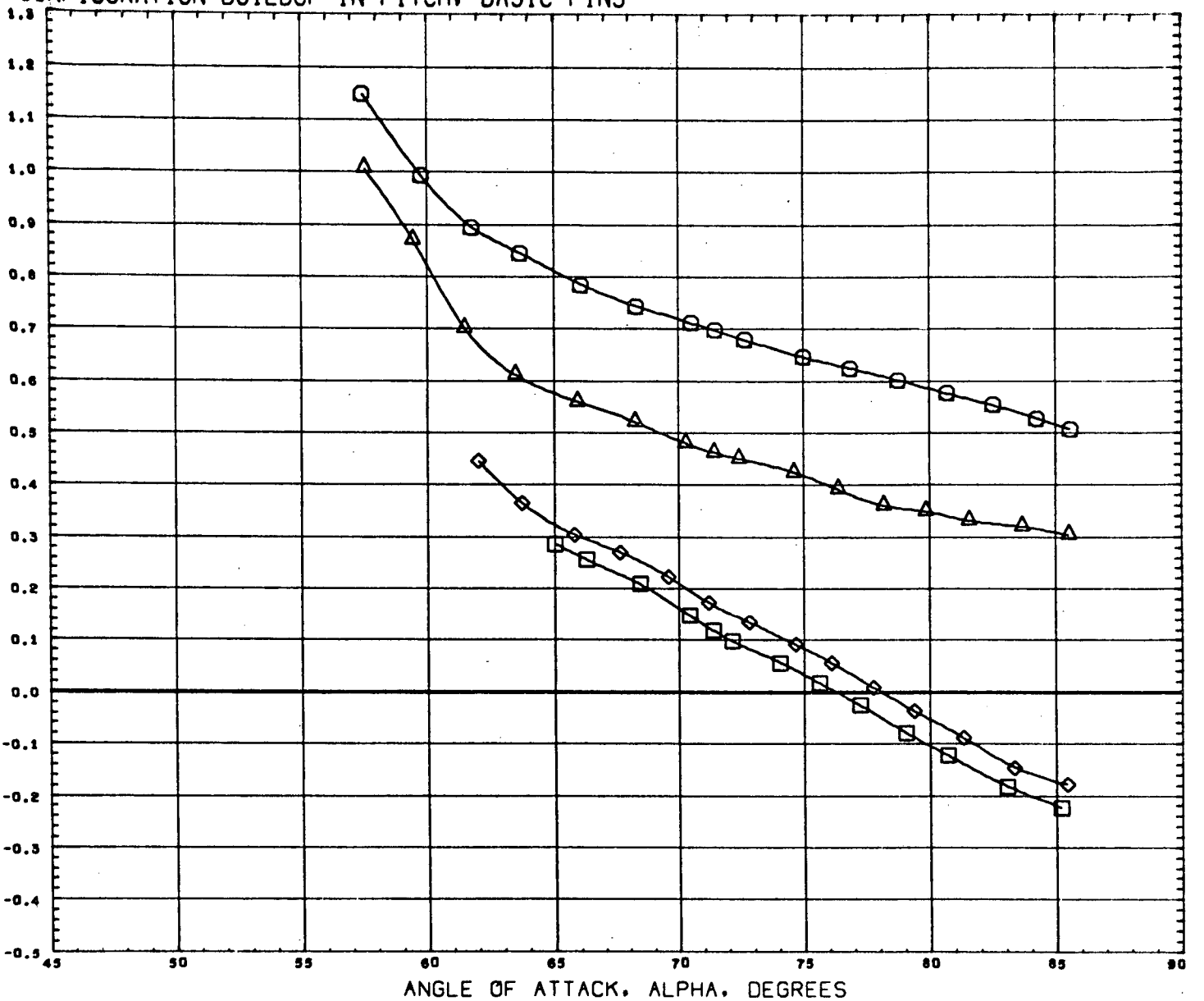
REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

C.2

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



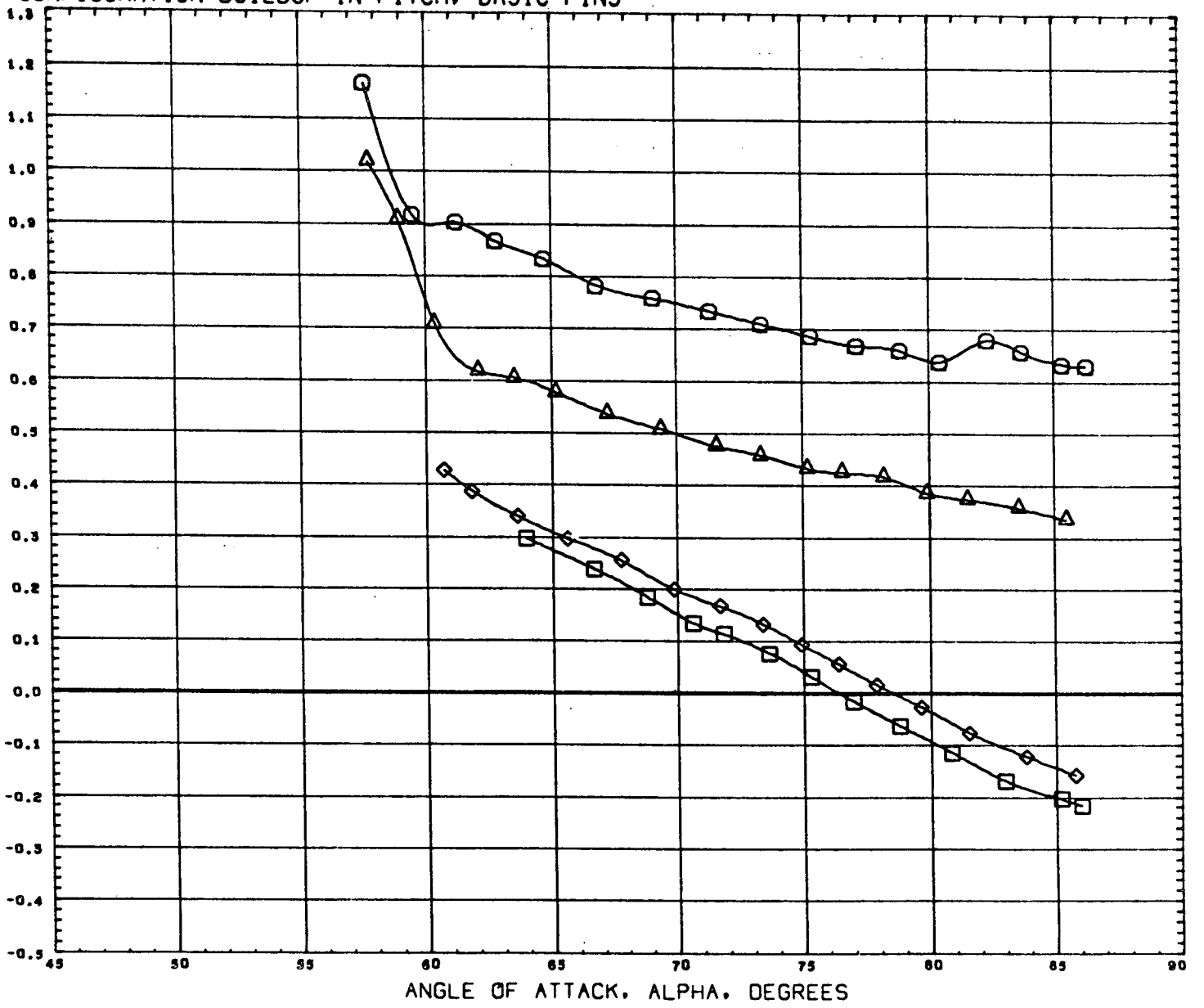
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

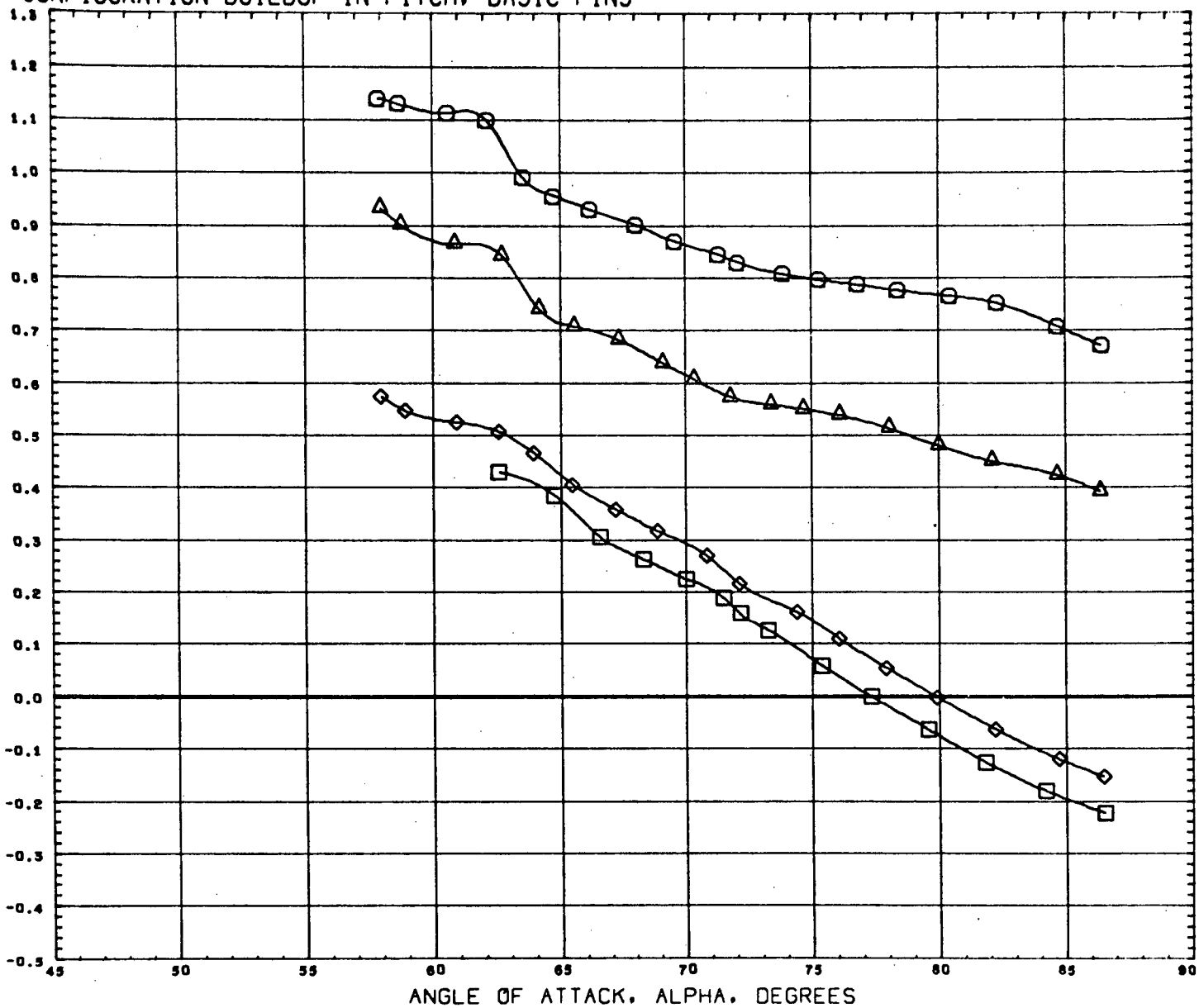


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

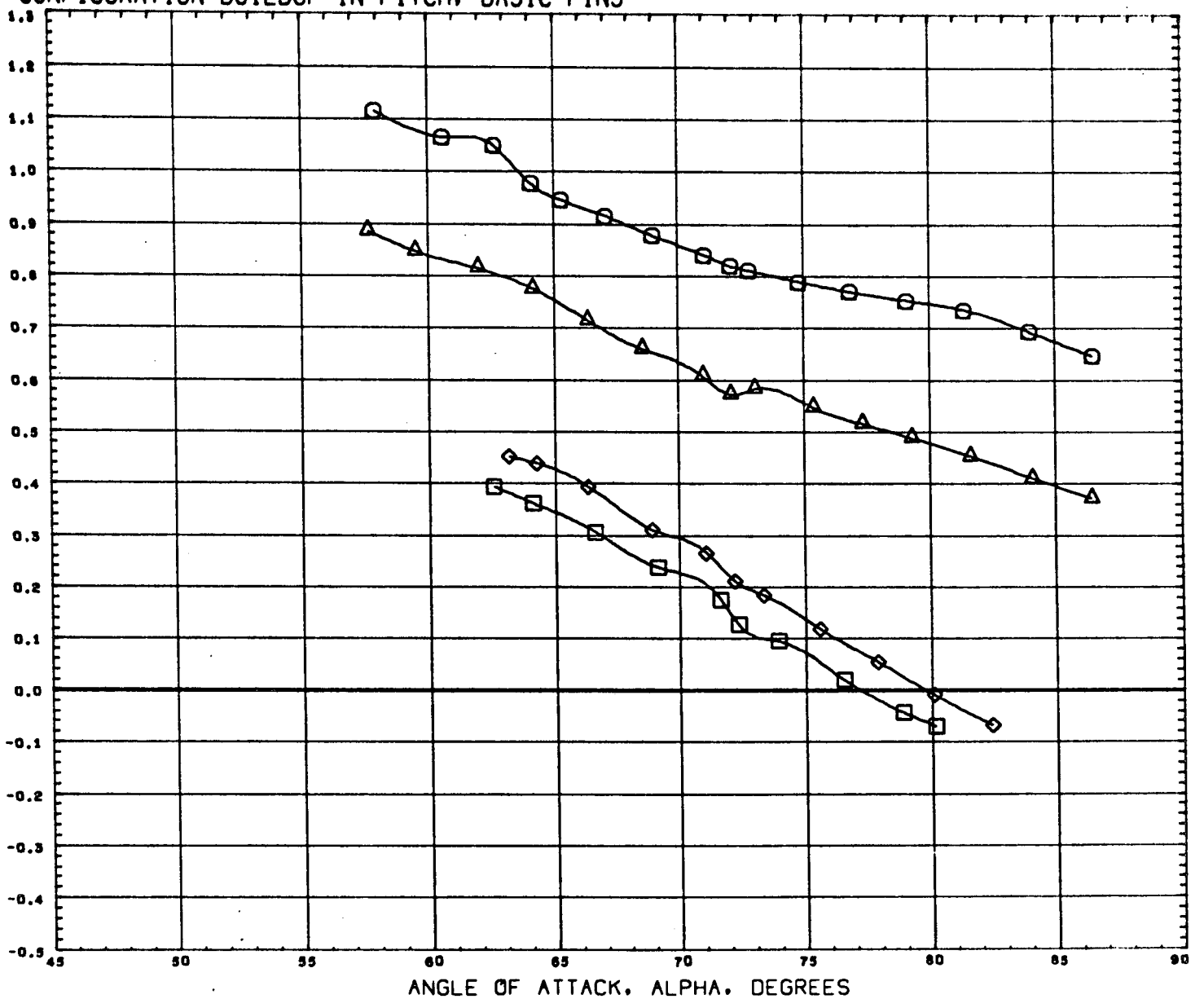


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

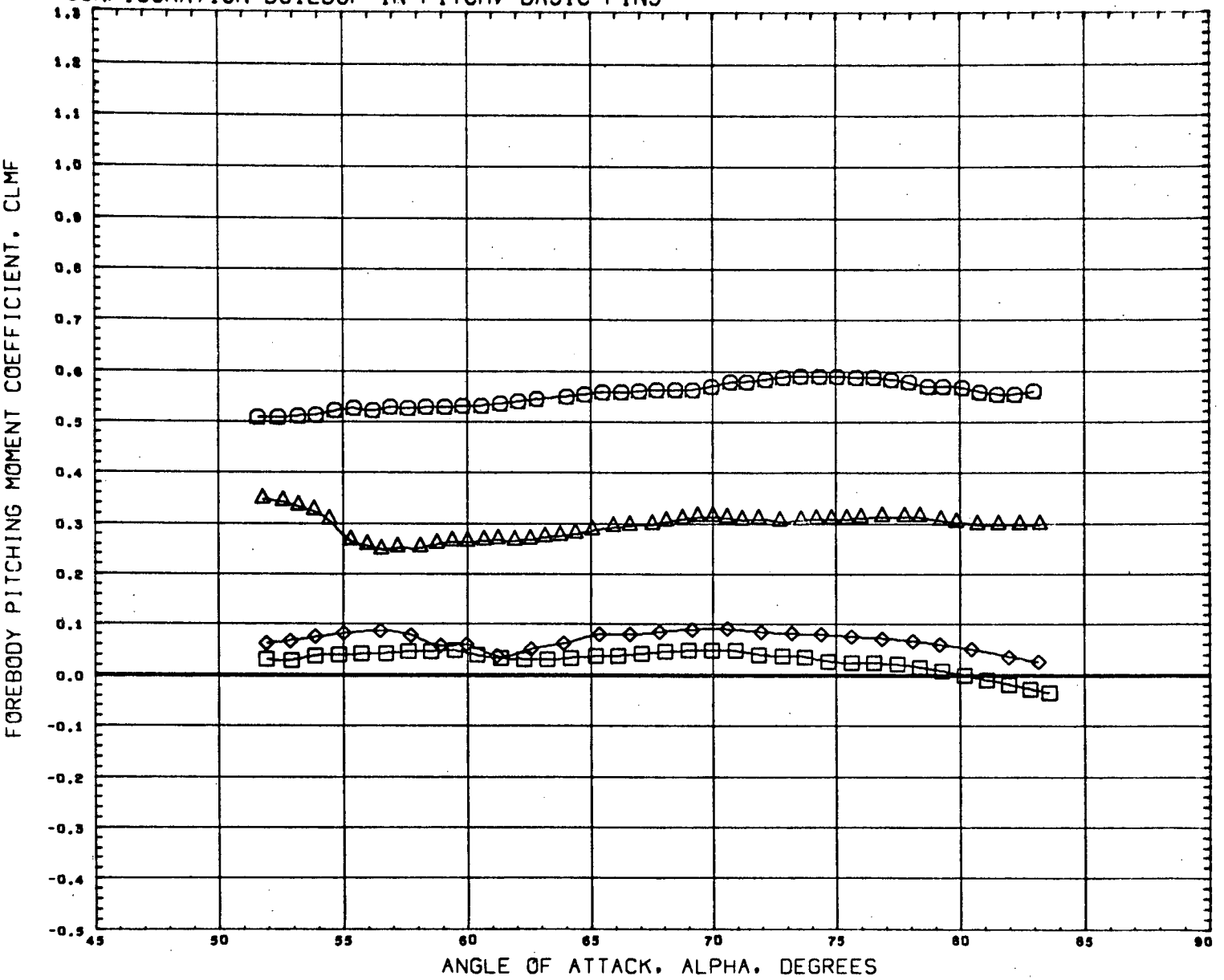


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

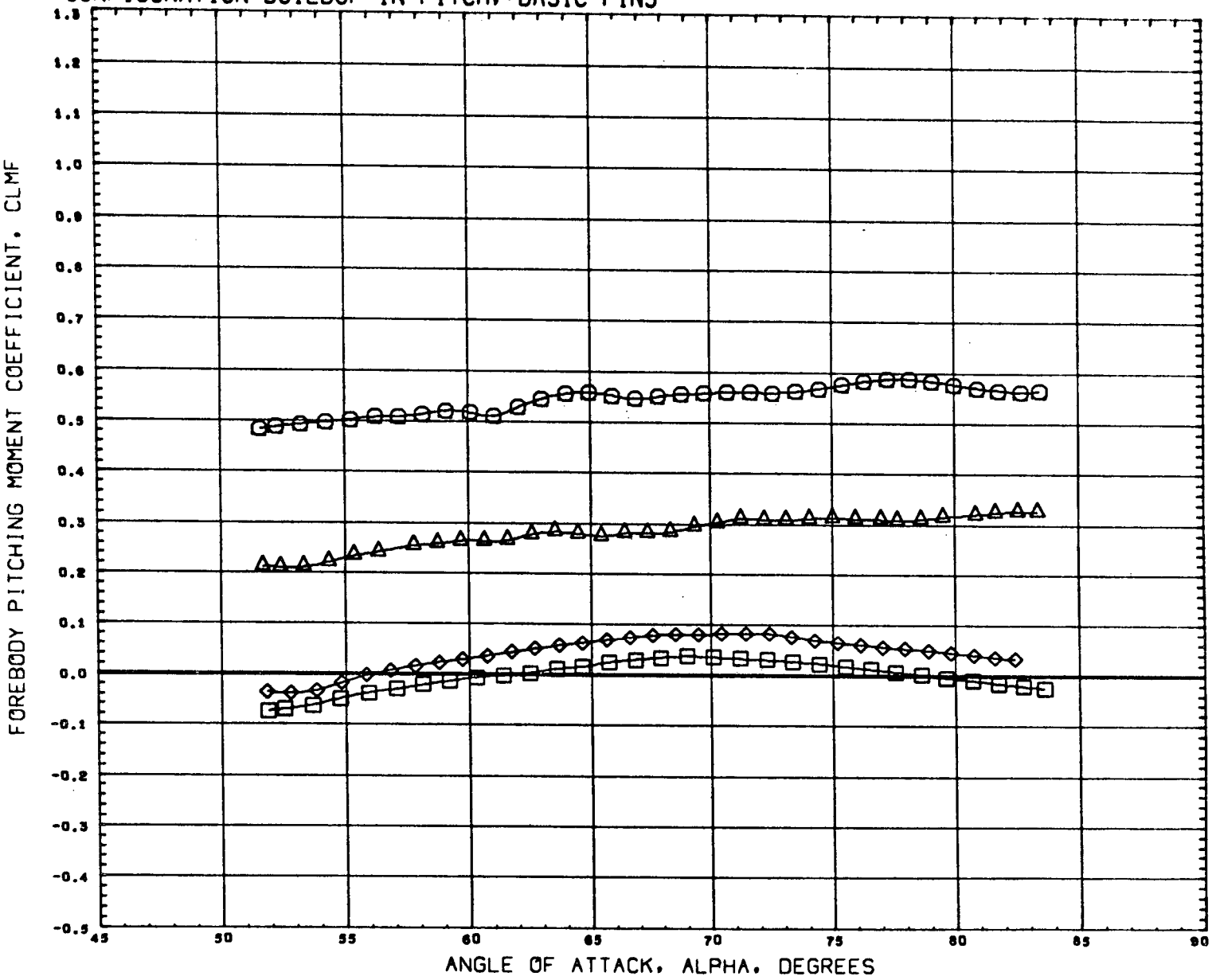


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

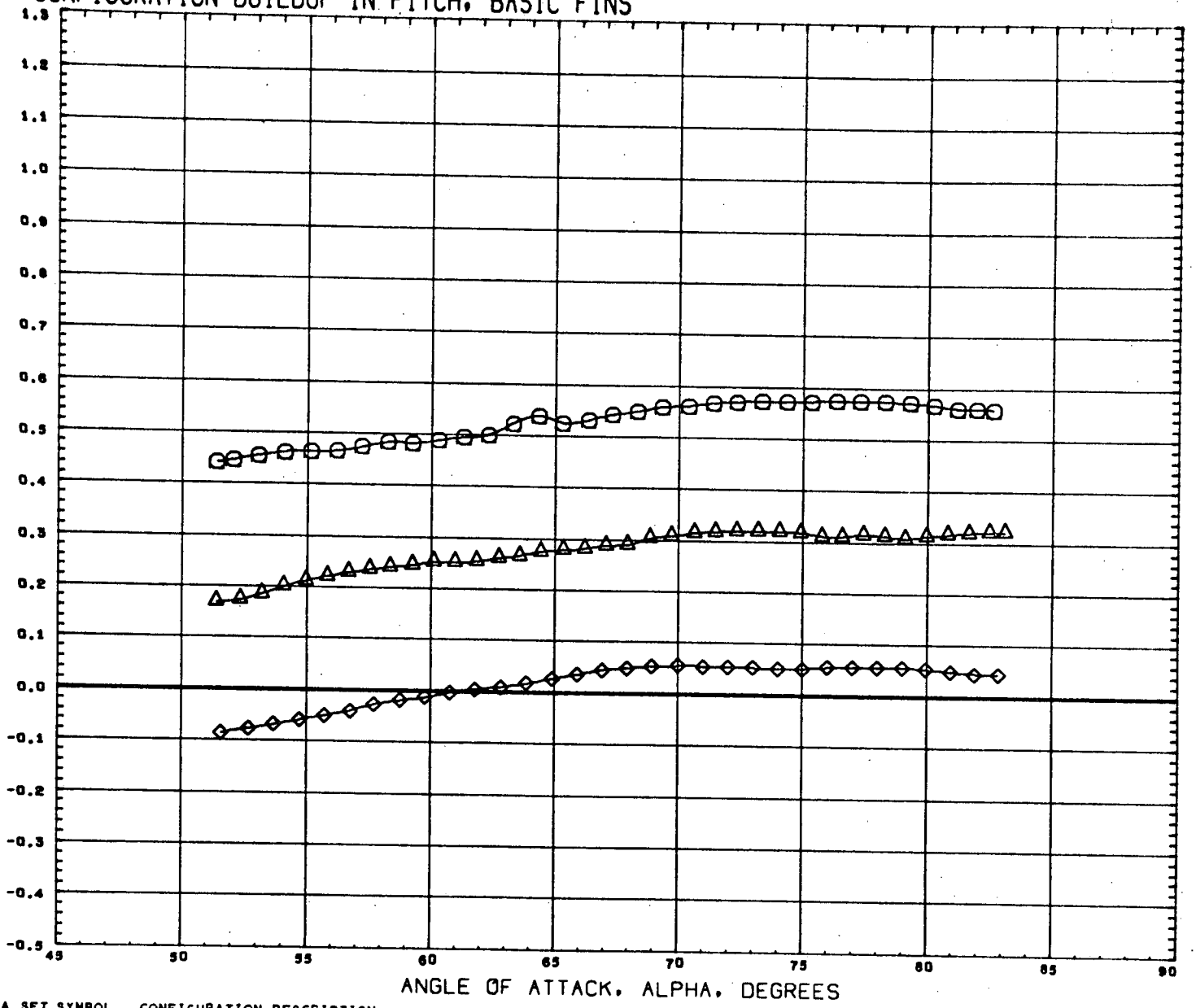


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



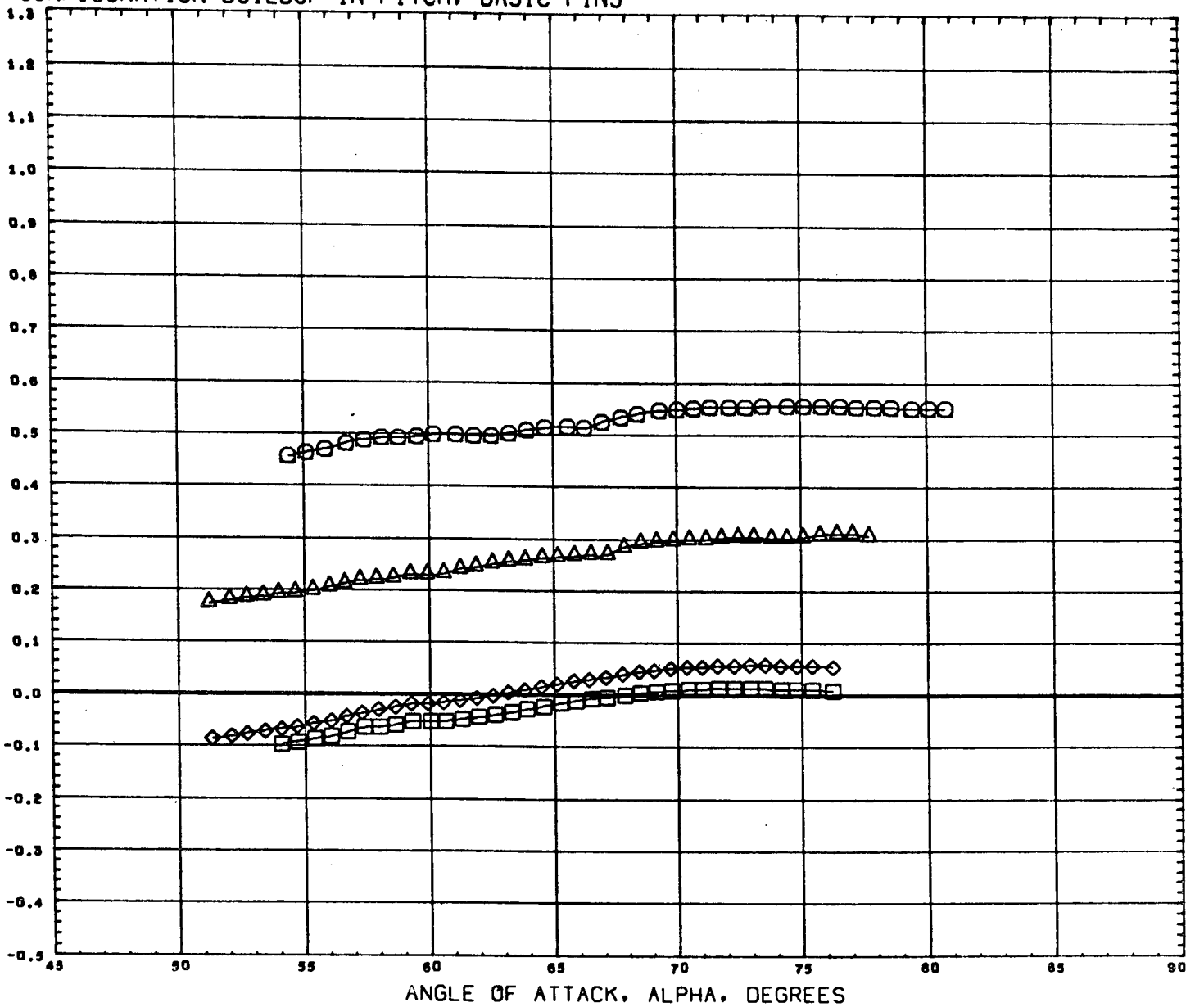
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

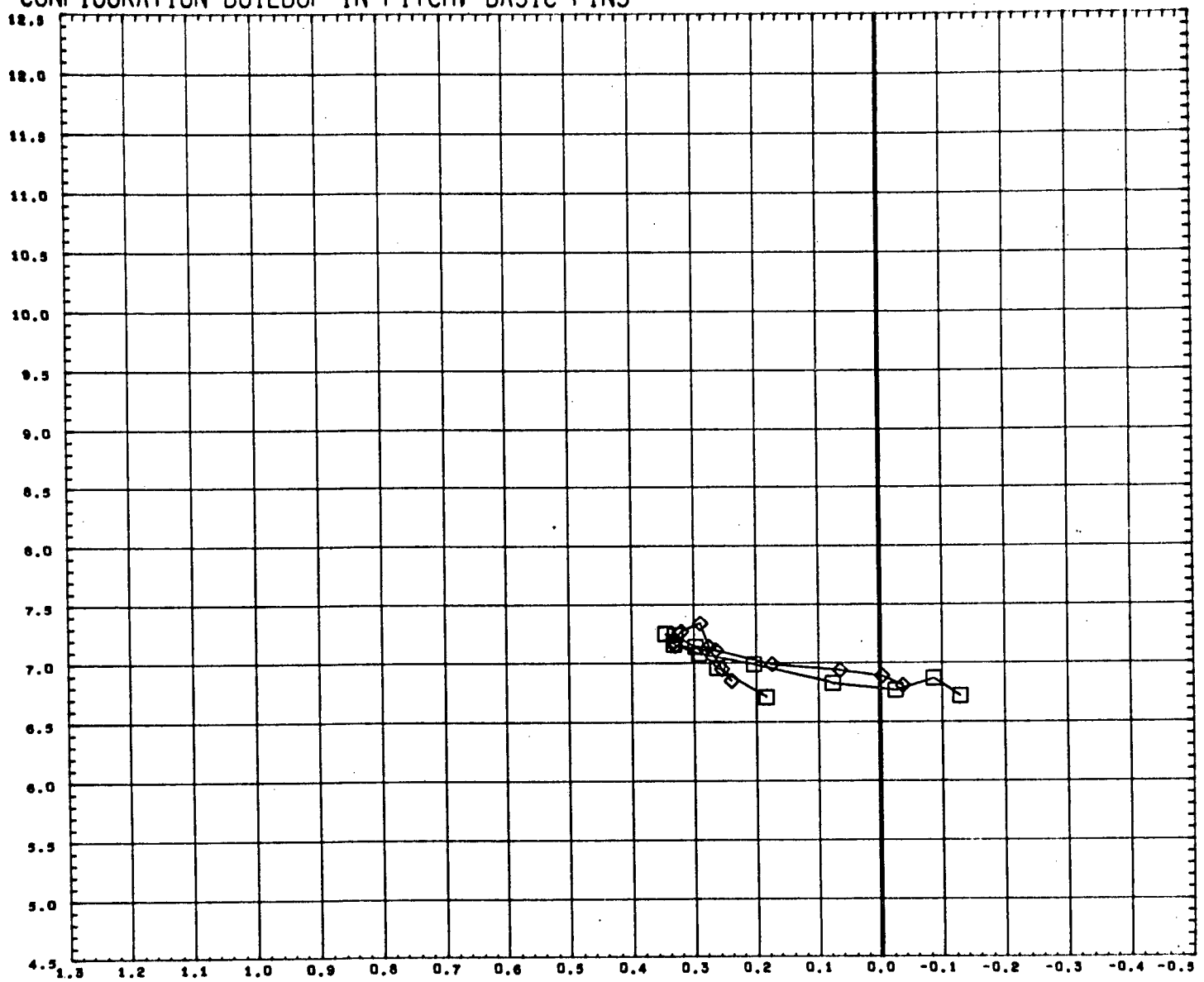


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



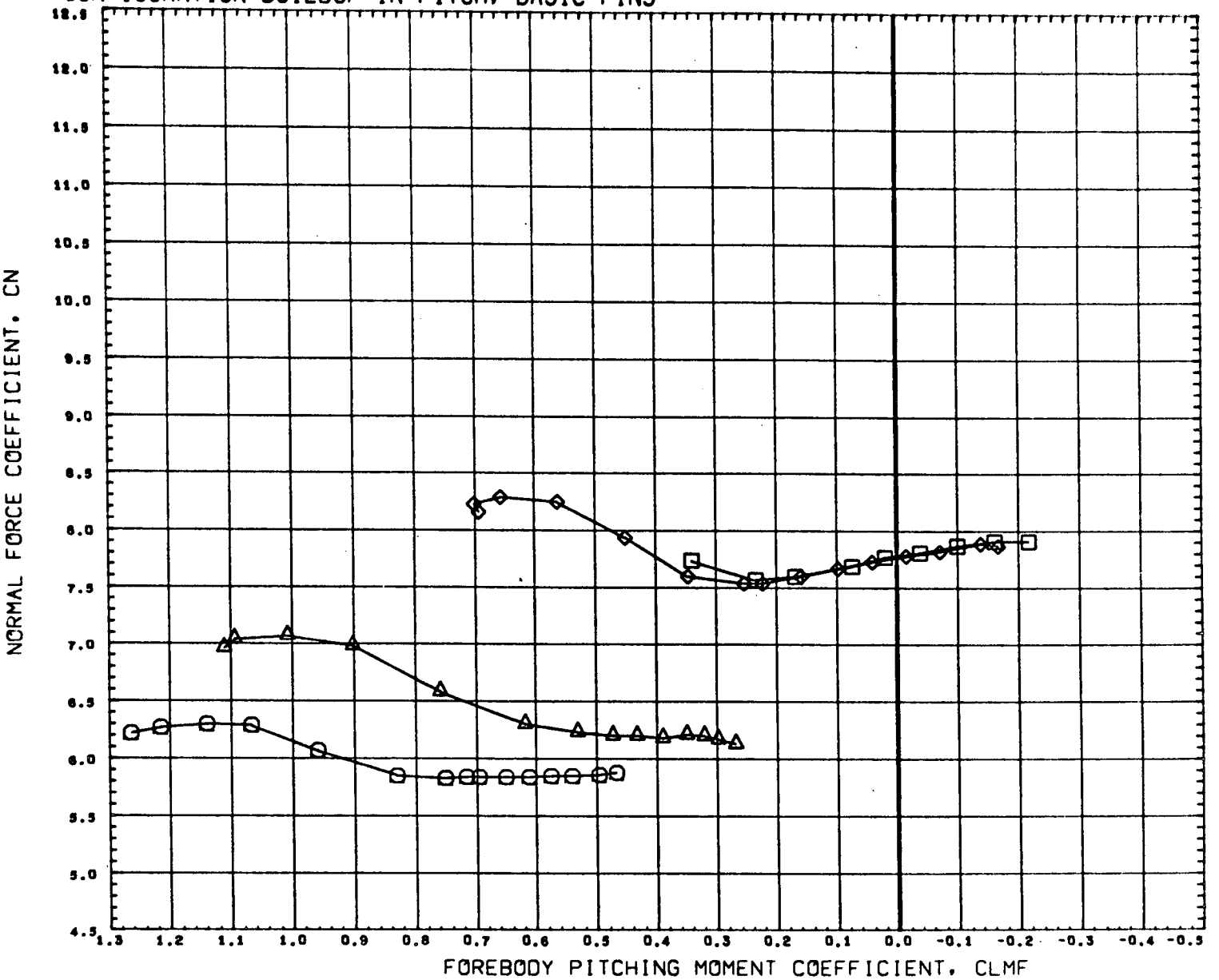
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

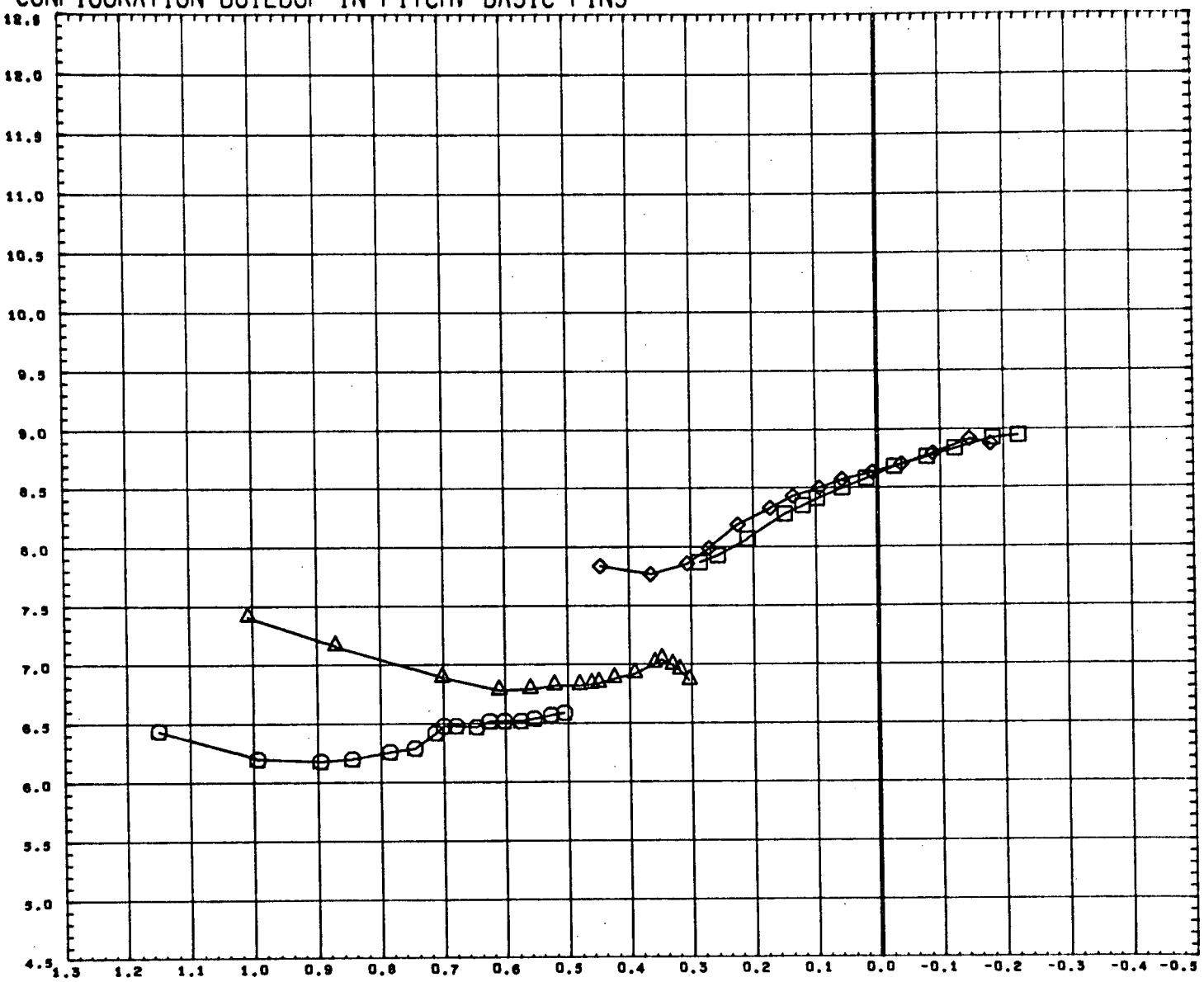


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)		BTWT 1273/BSWT 553	BRB CONFIGURATION B1	0.000
(AD4021)		BTWT 1273/BSWT 553	BRB CONFIGURATION B1S1	0.000
(AD4031)		BTWT 1273/BSWT 553	BRB CONFIGURATION B1S1V1	0.000
(CD4051)		BTWT 1273/BSWT 553	BRB CONFIGURATION B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

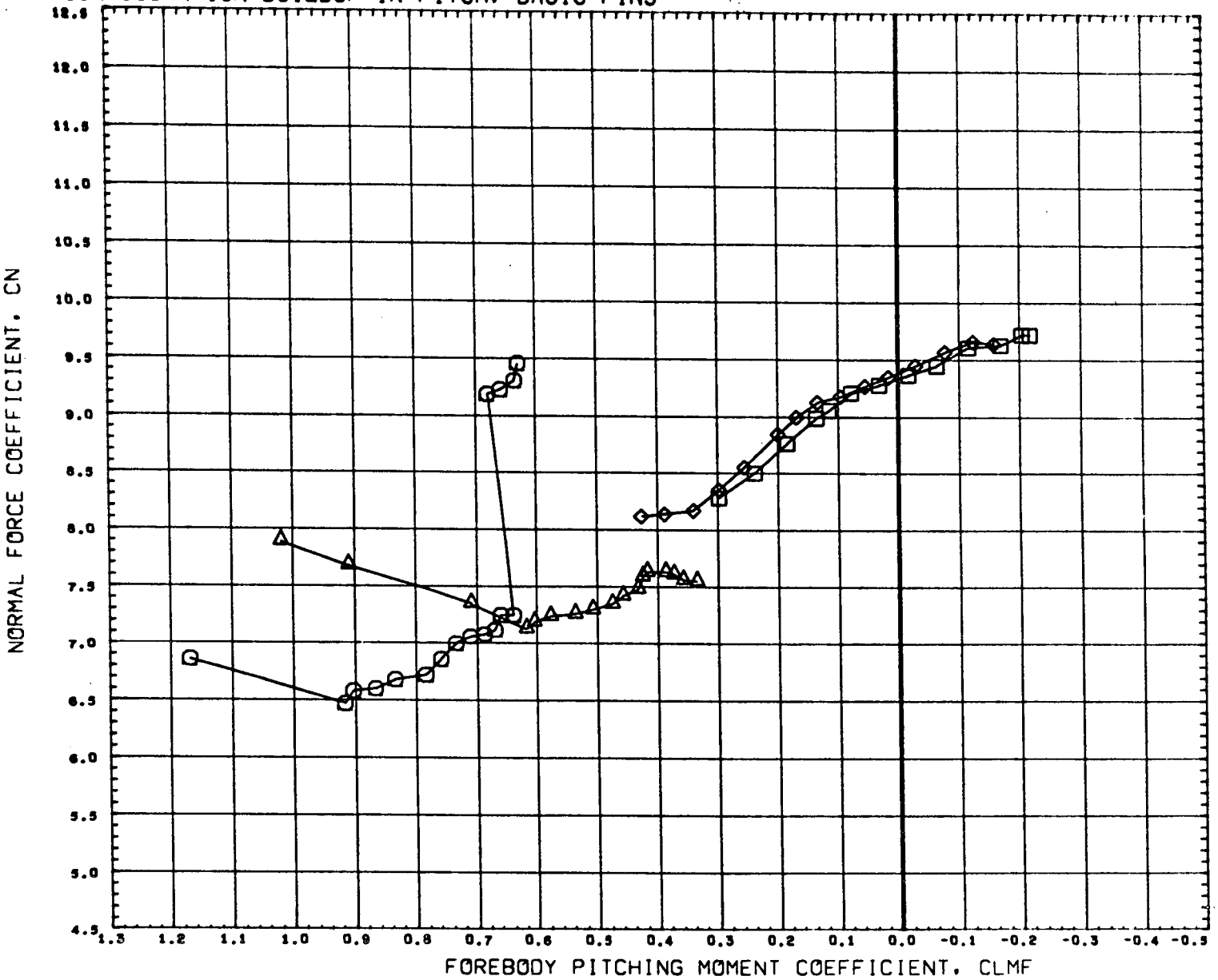


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

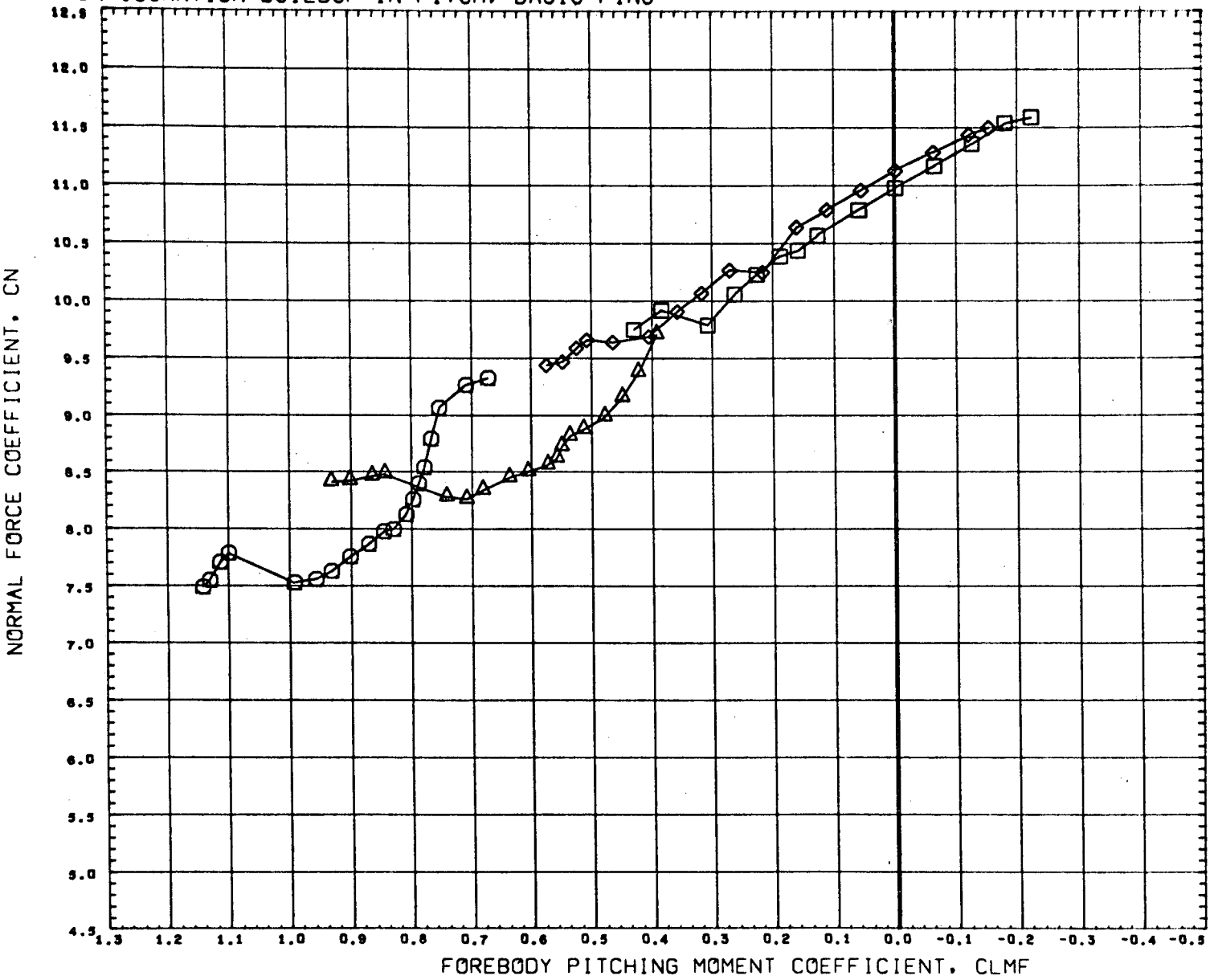


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

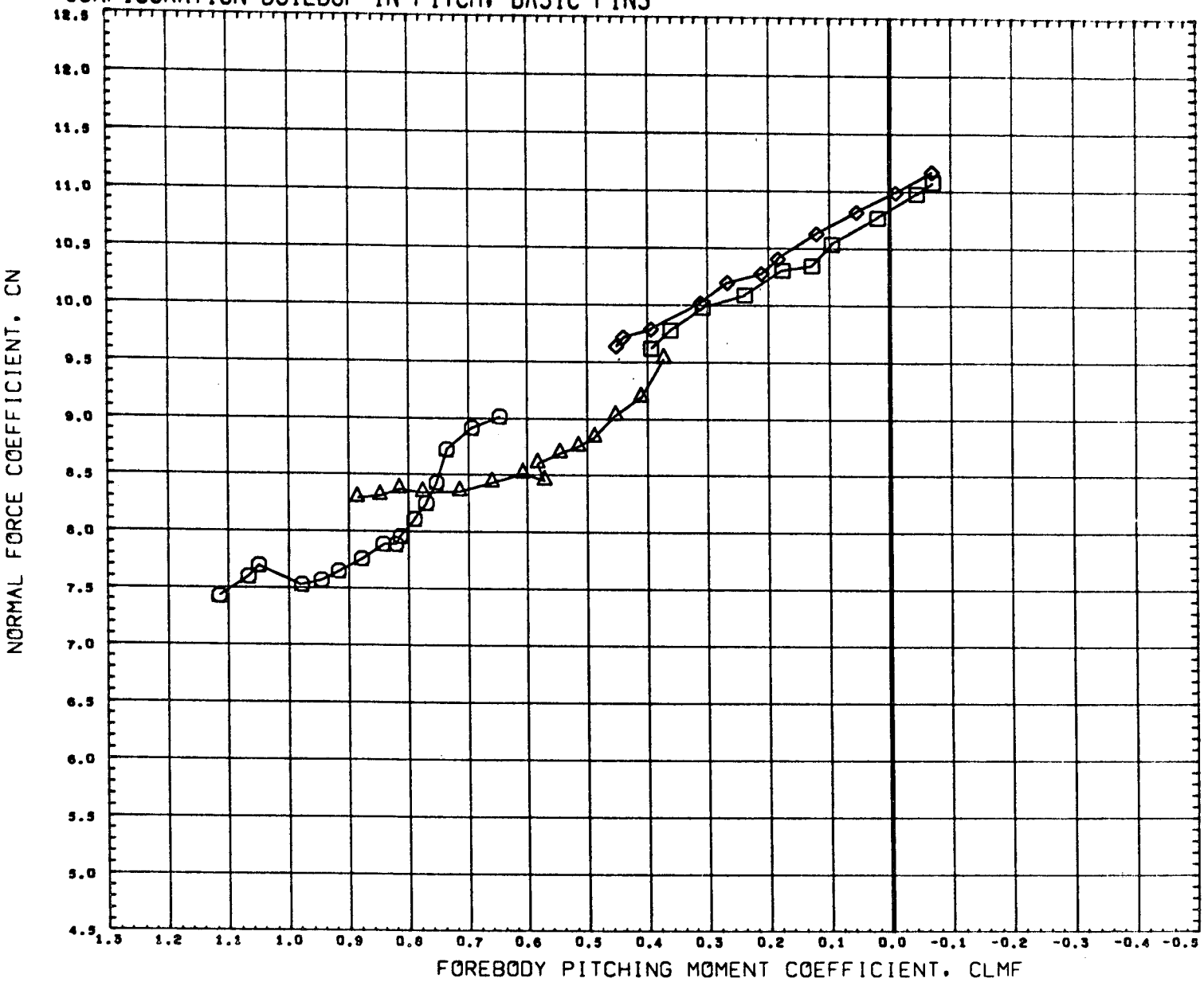


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



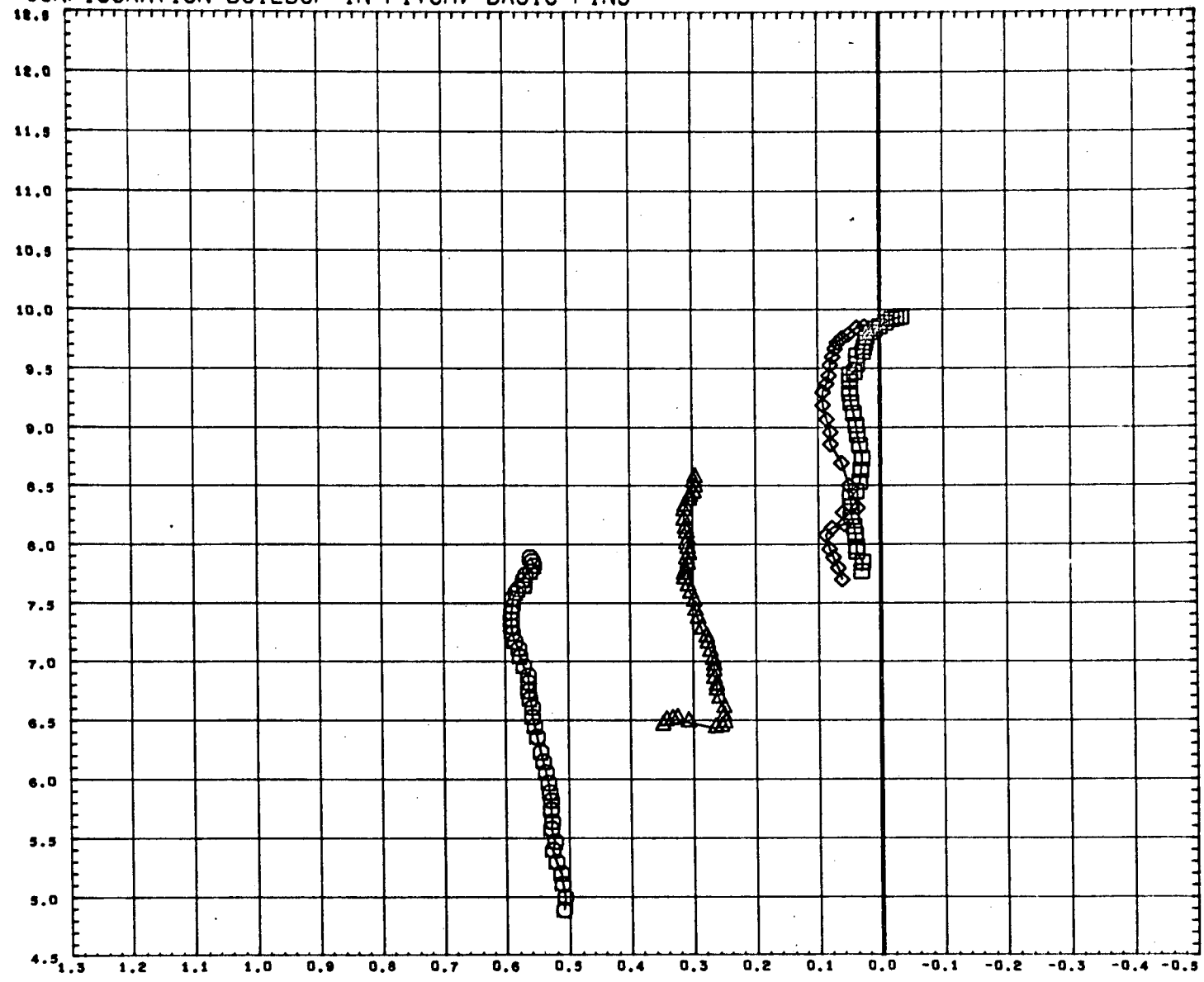
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



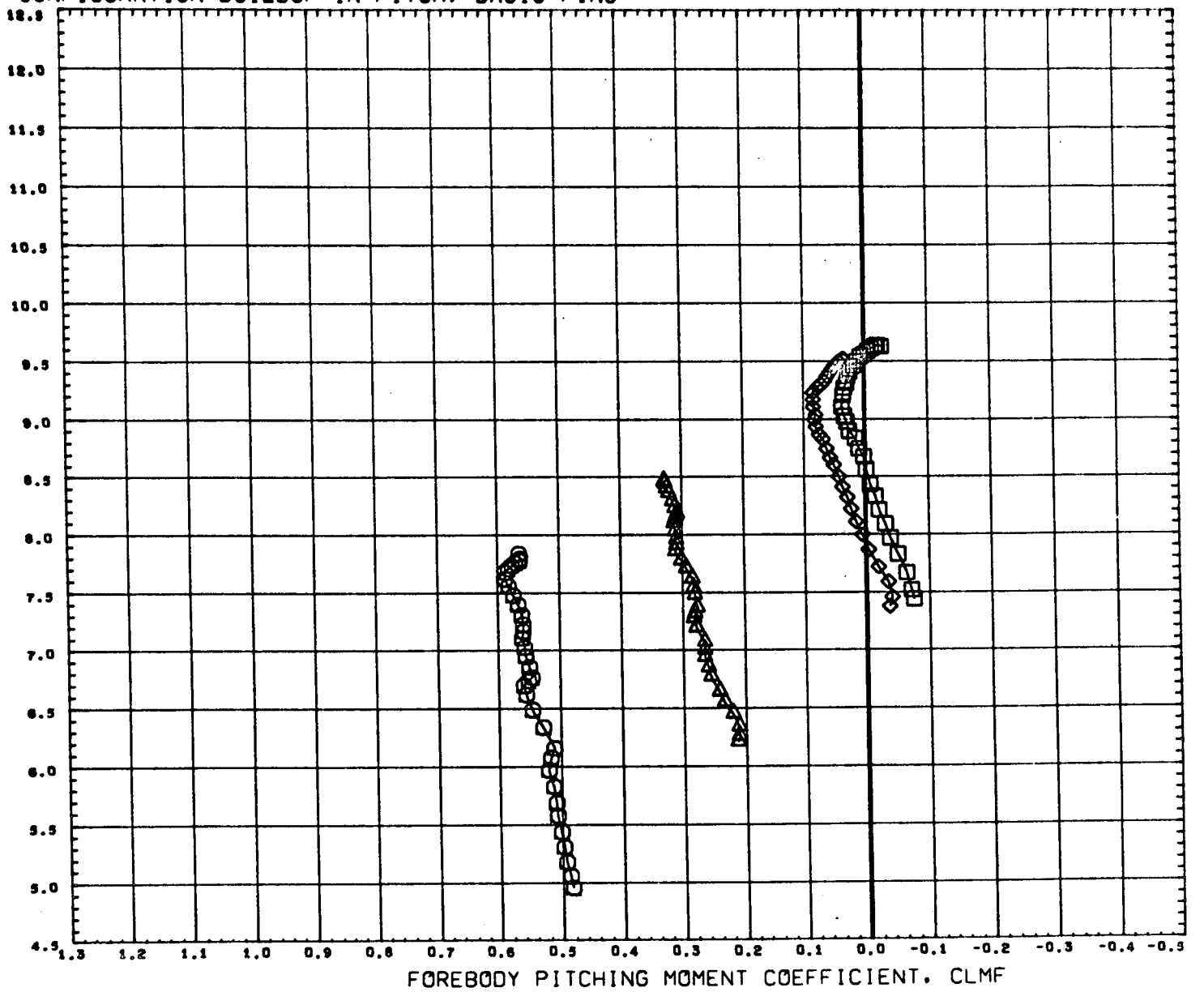
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



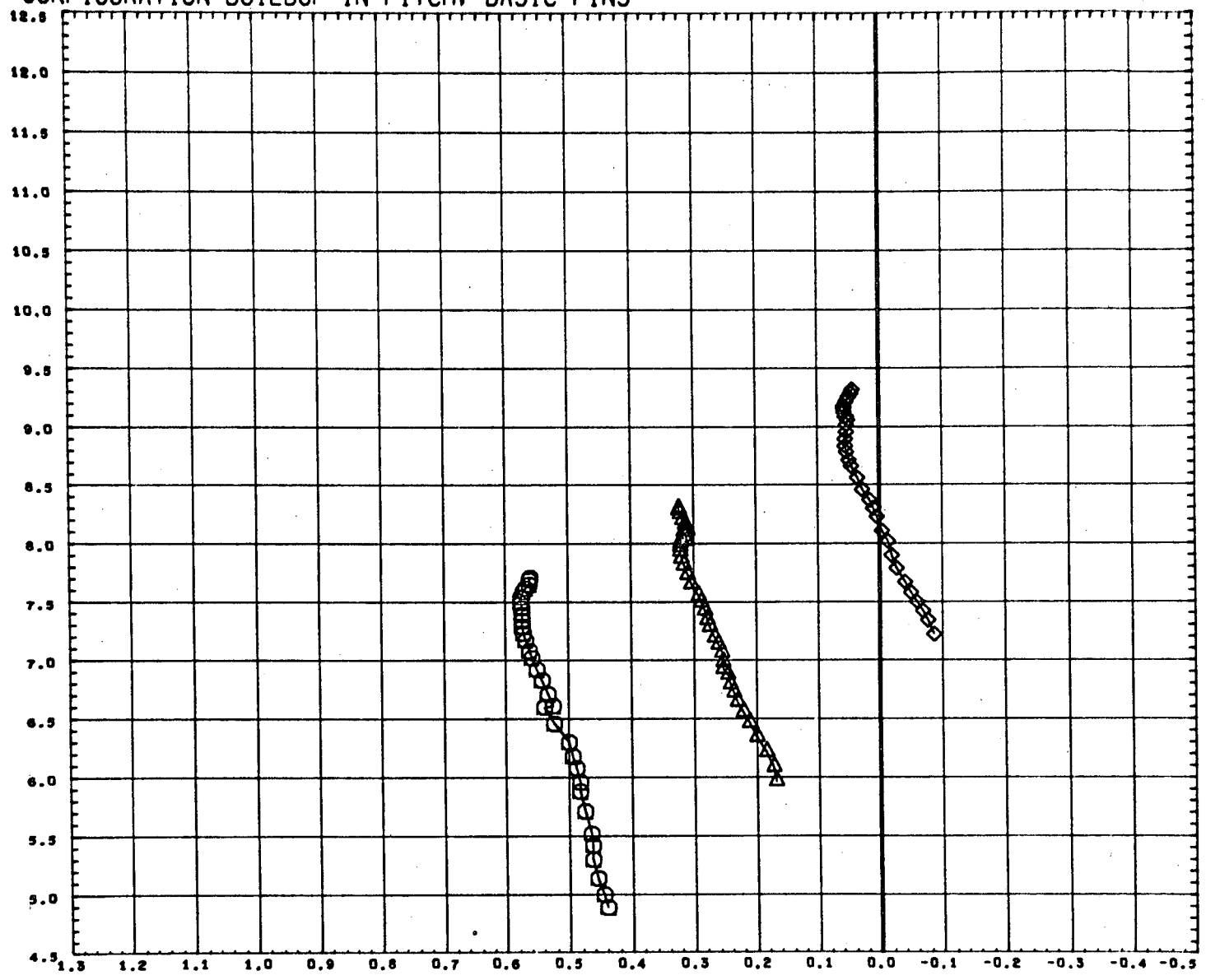
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



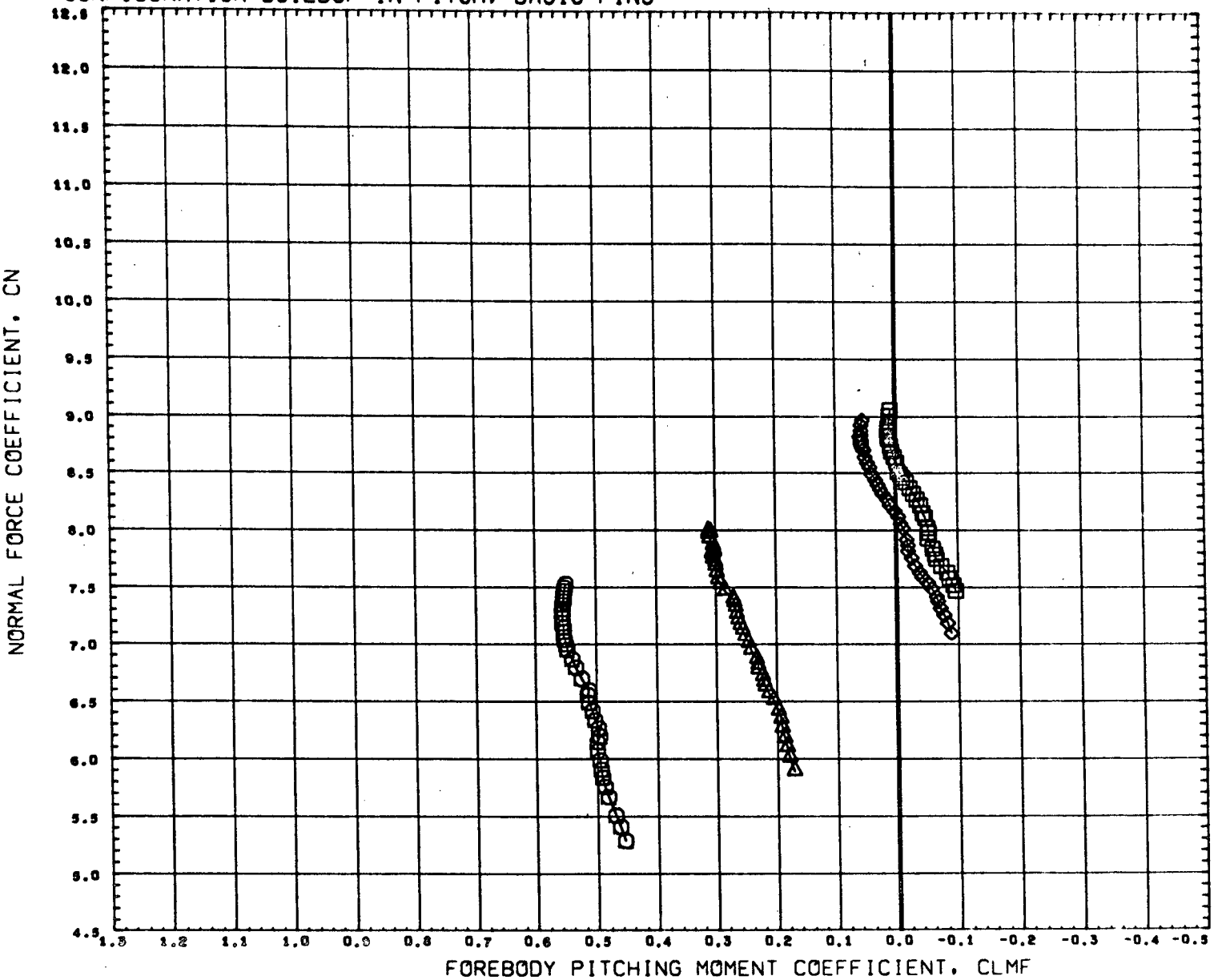
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

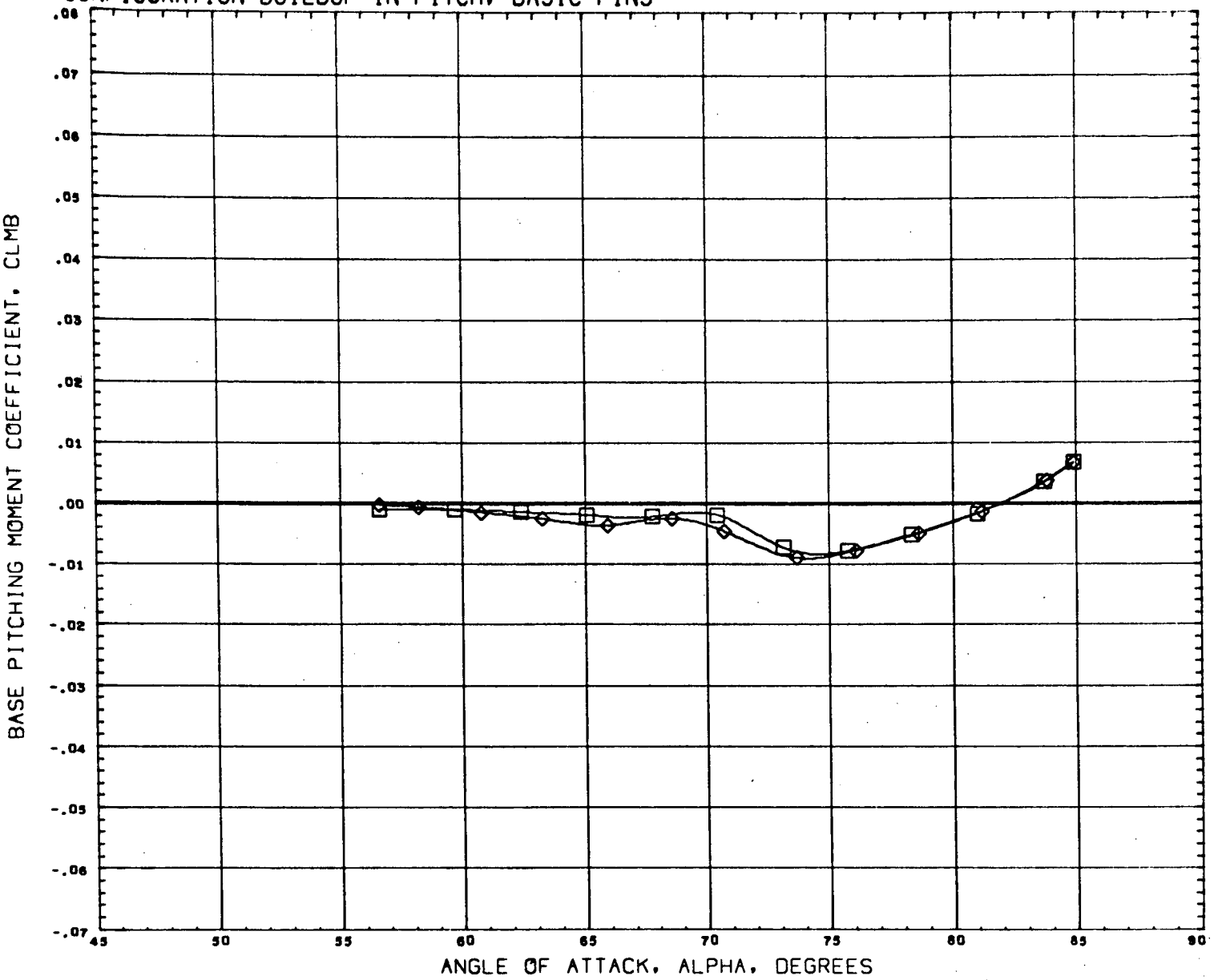


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

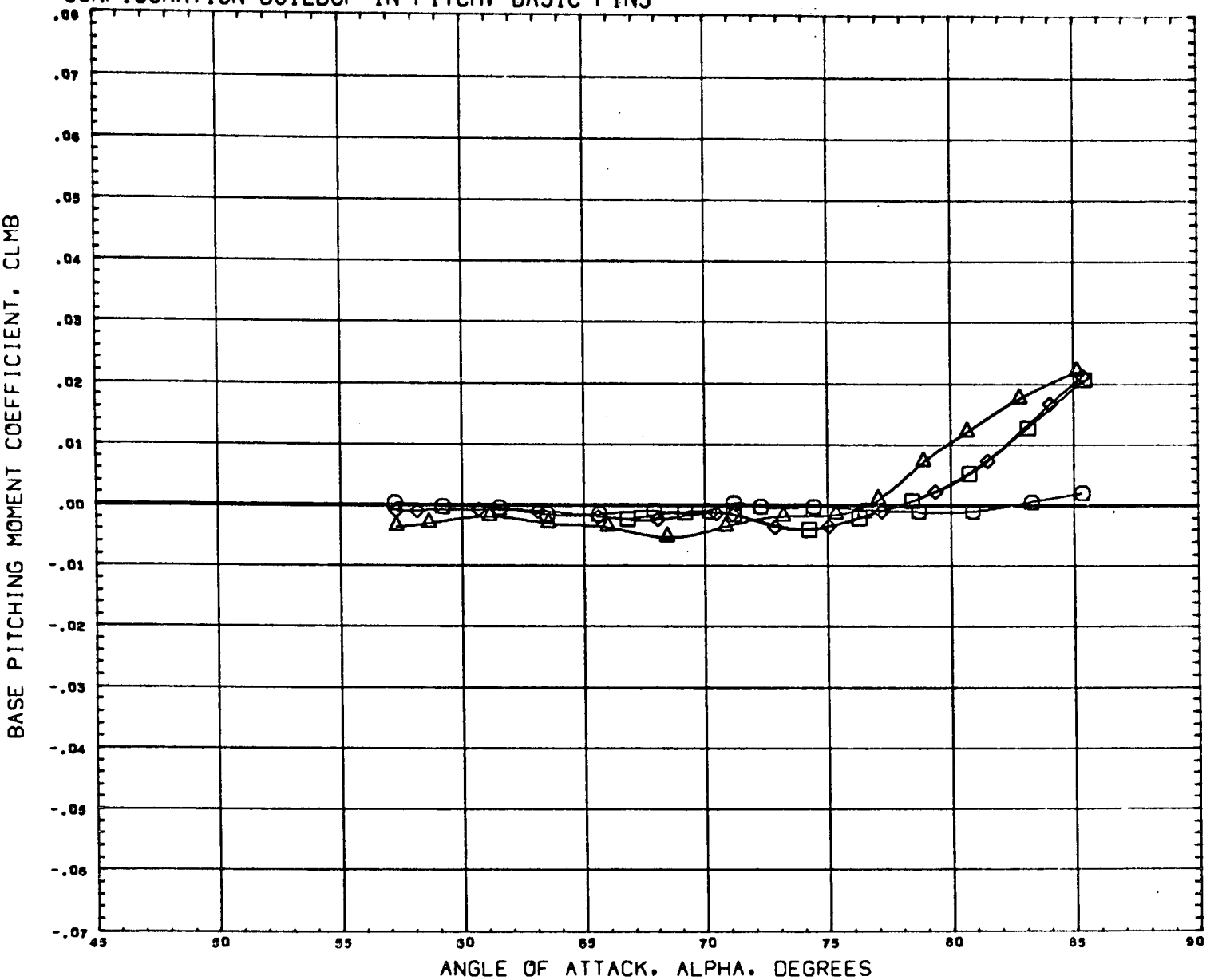


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)		DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)		DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

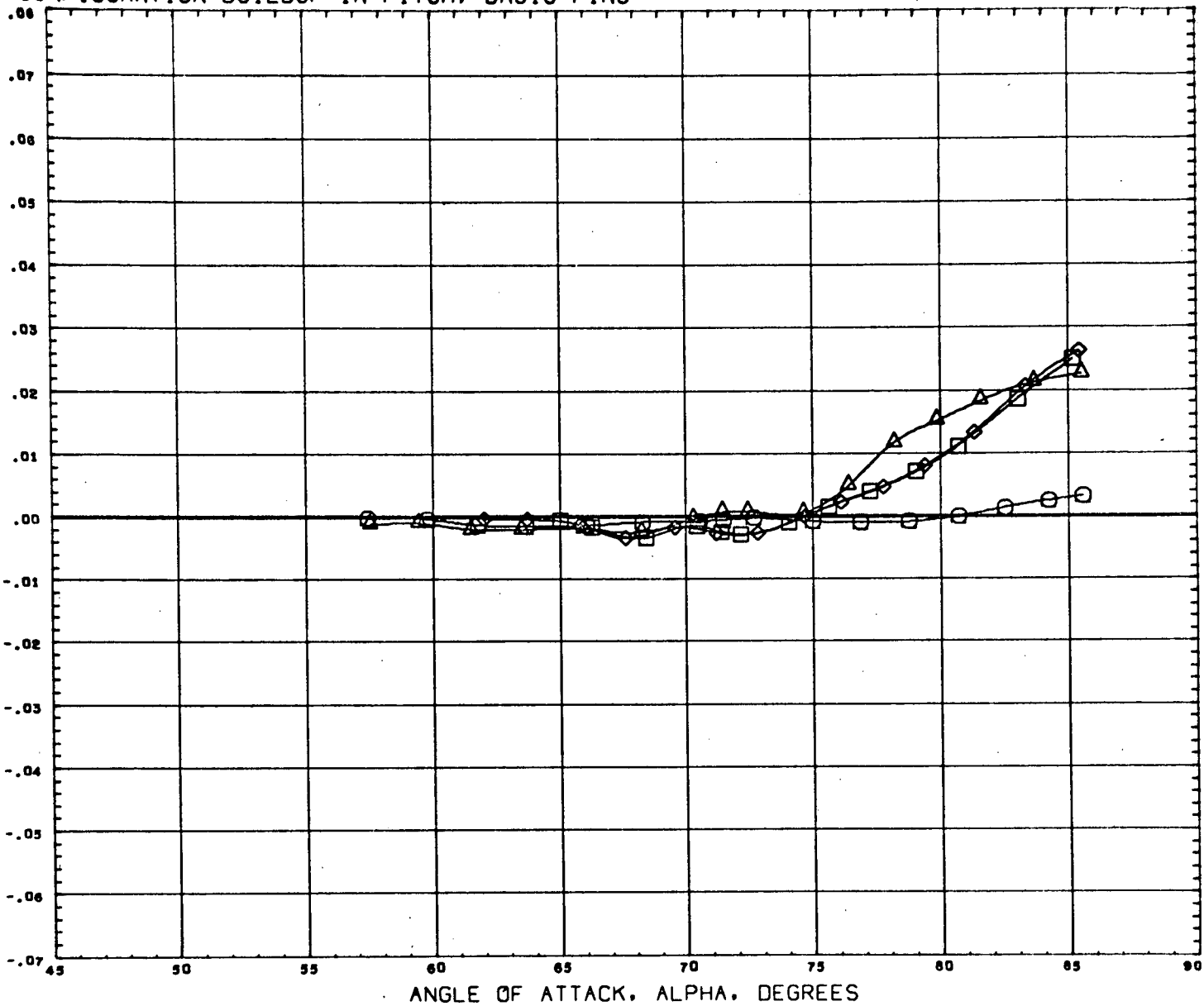


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

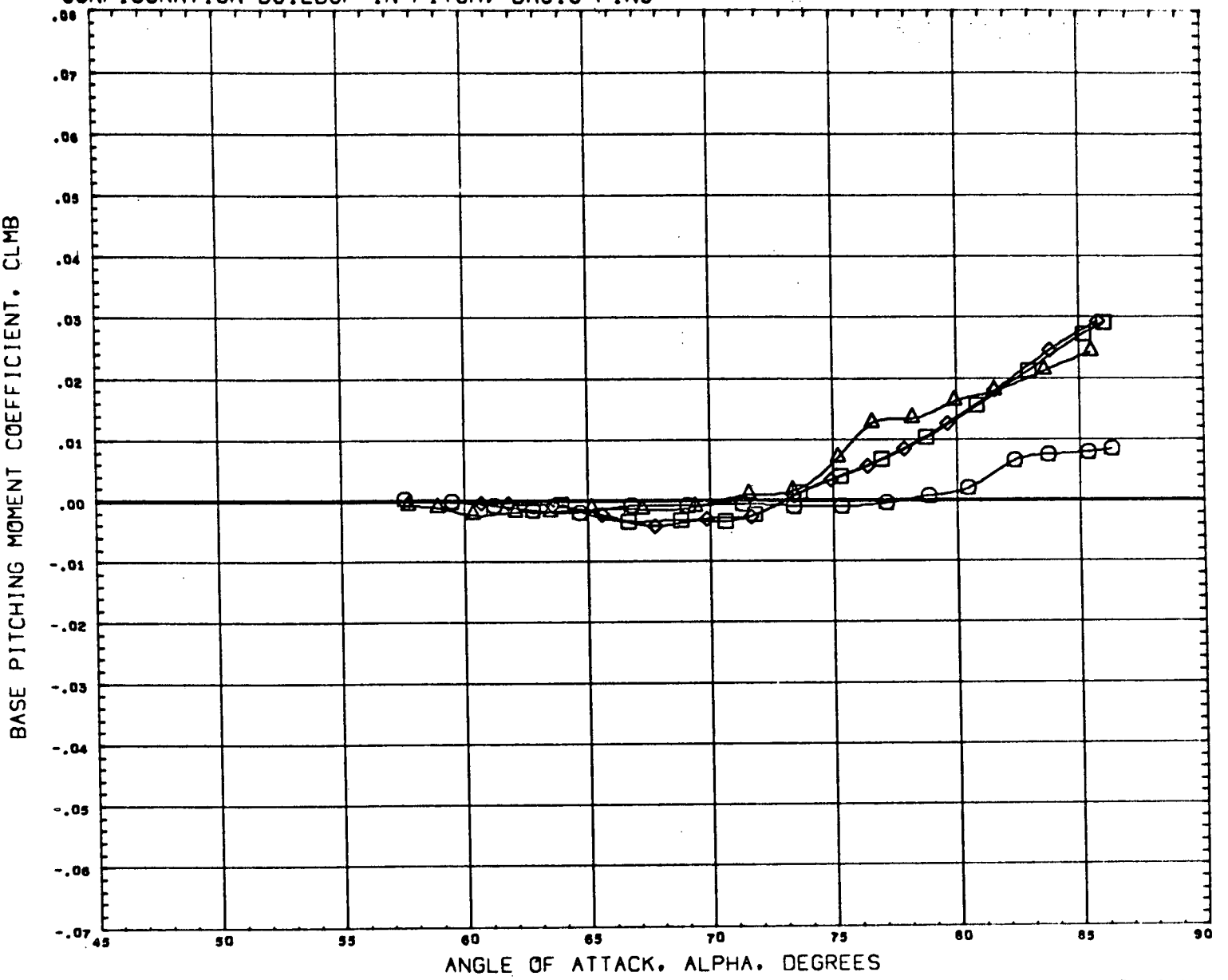


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051) □	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



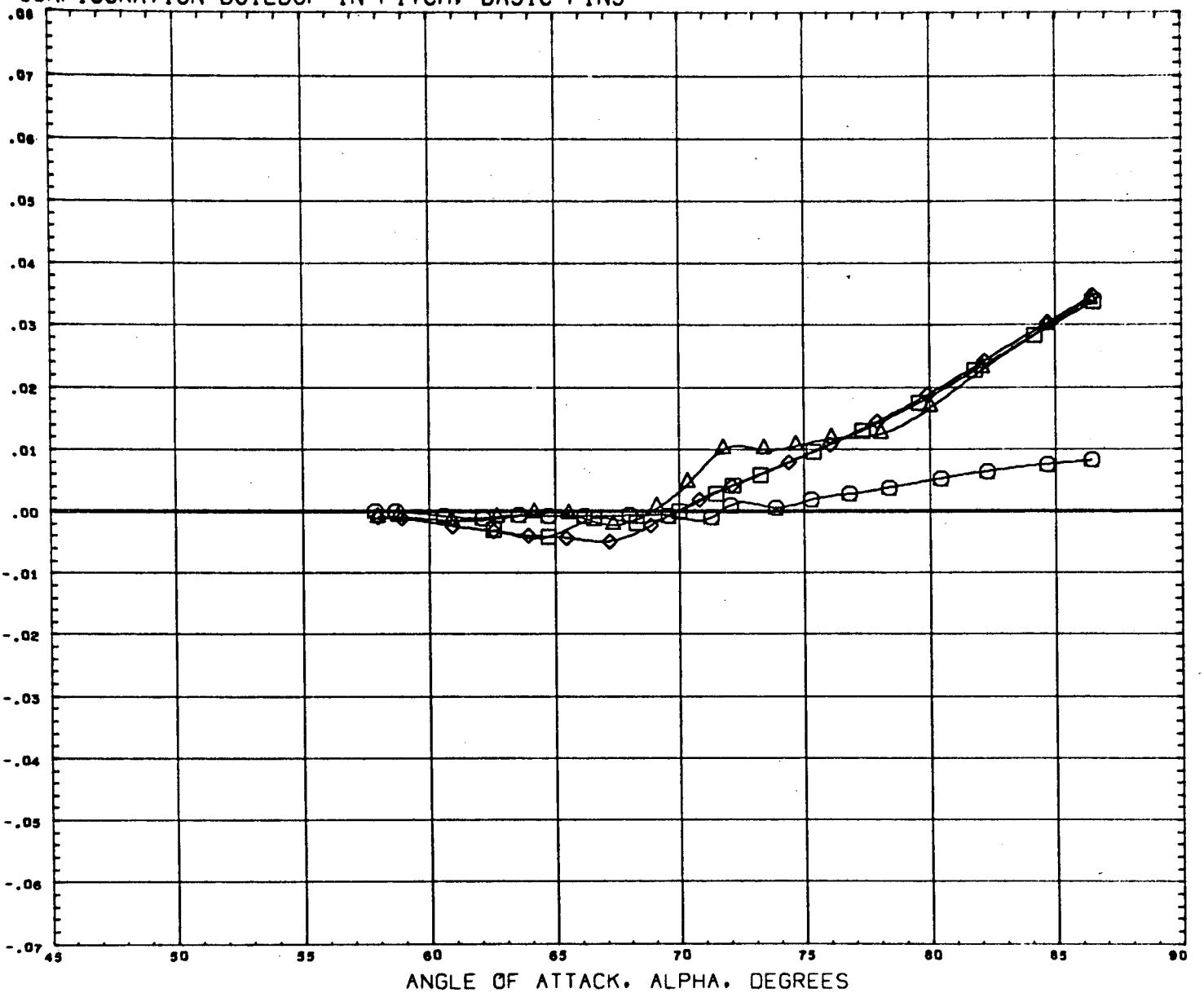
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4091)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

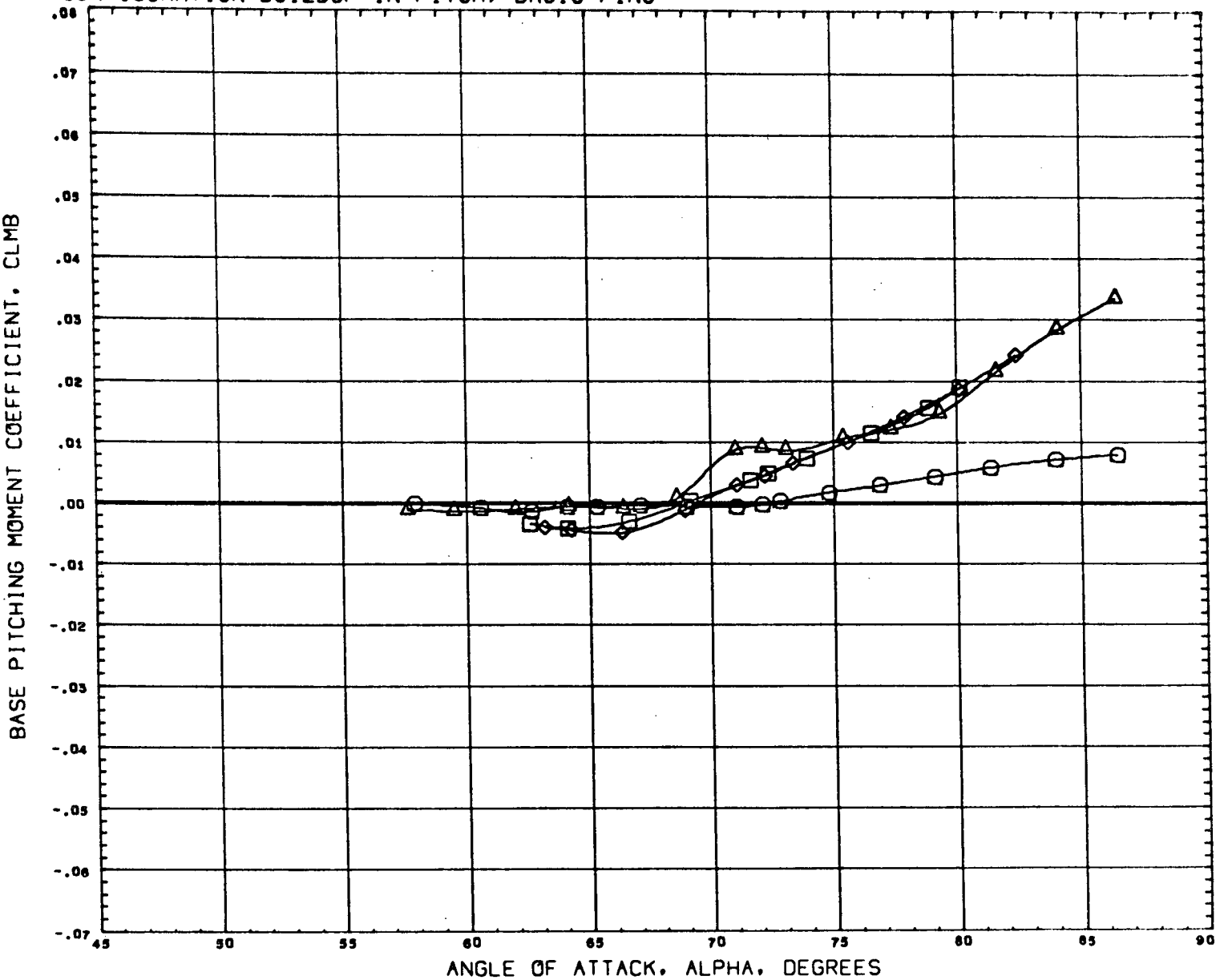


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

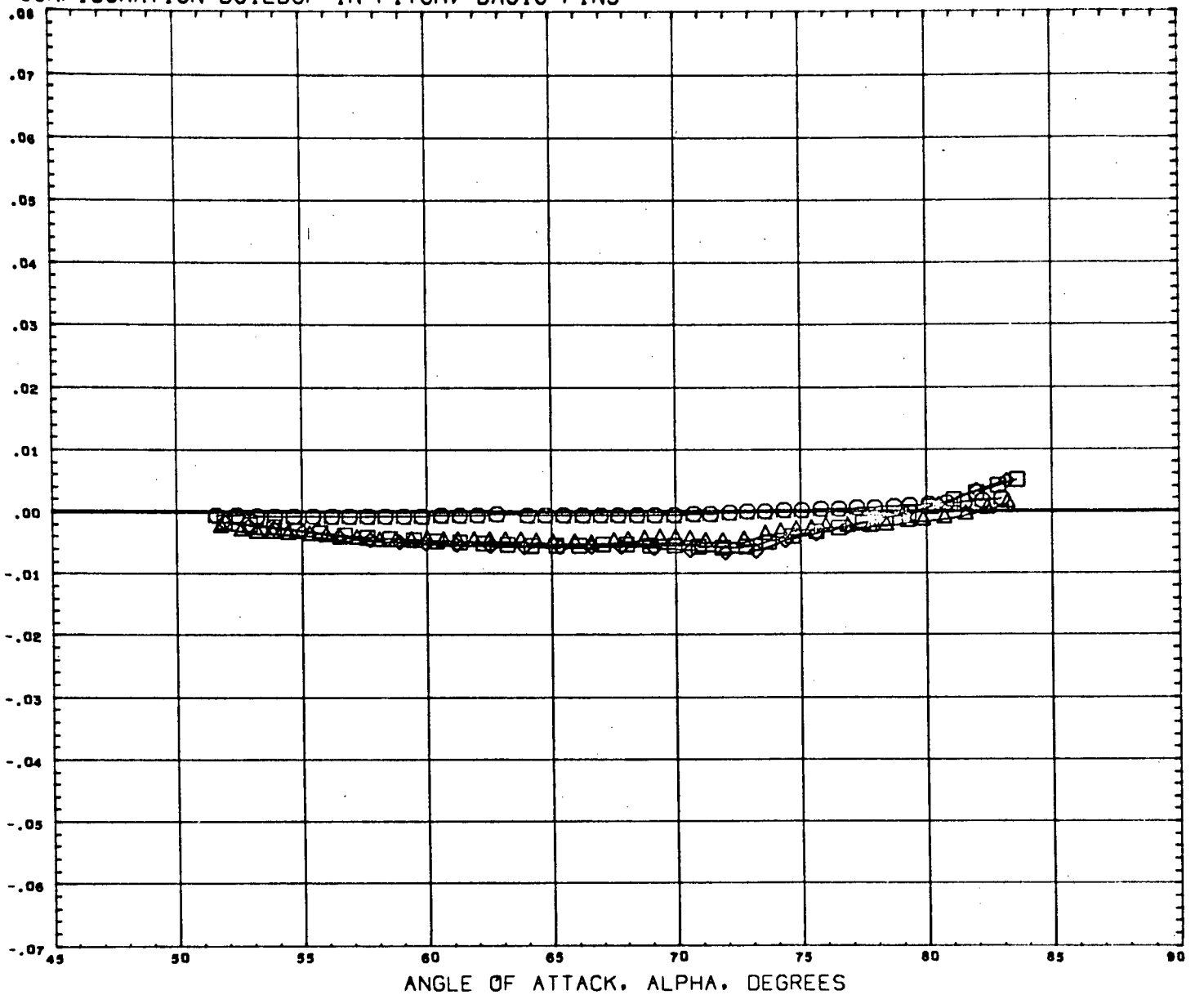


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

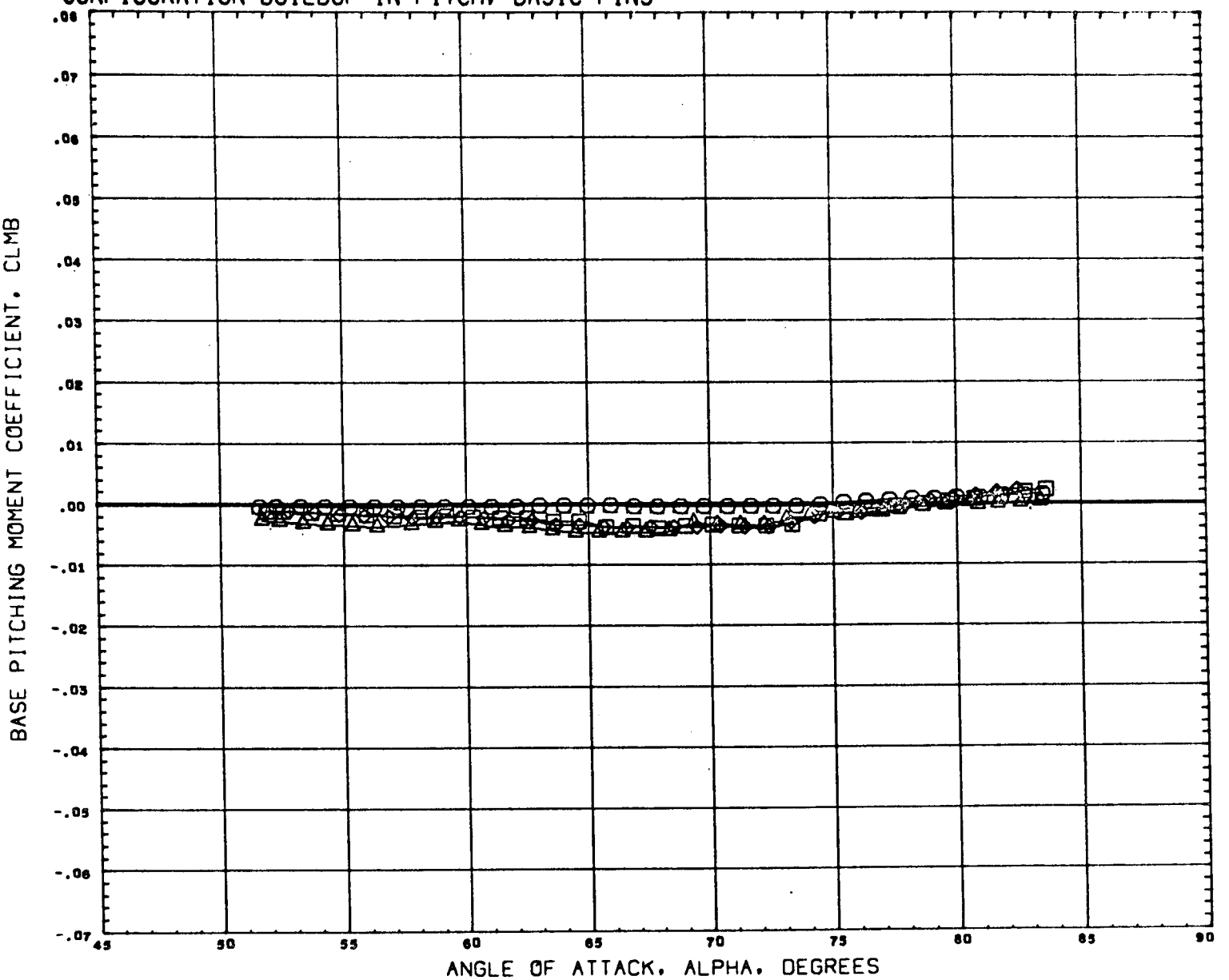


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



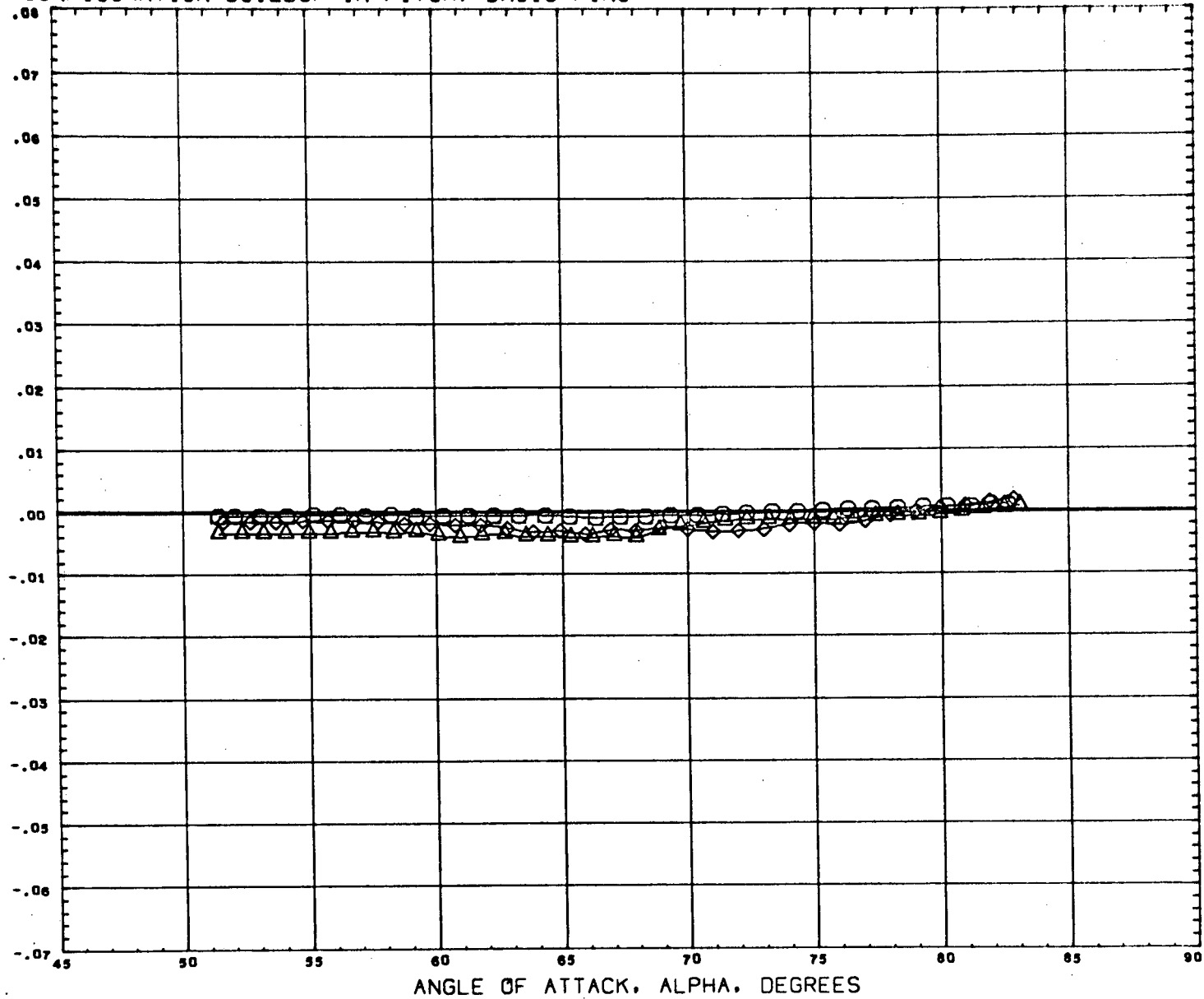
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

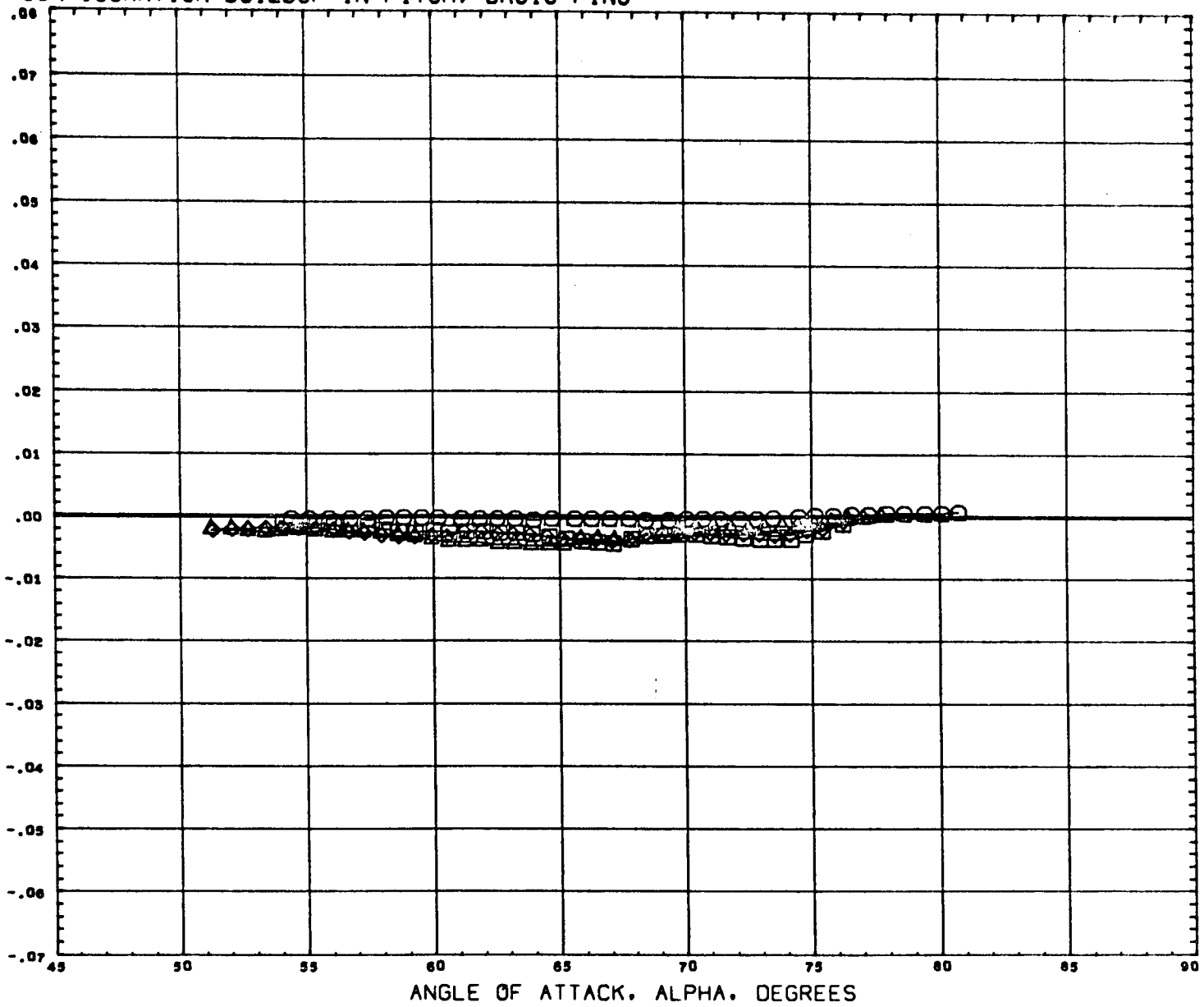


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

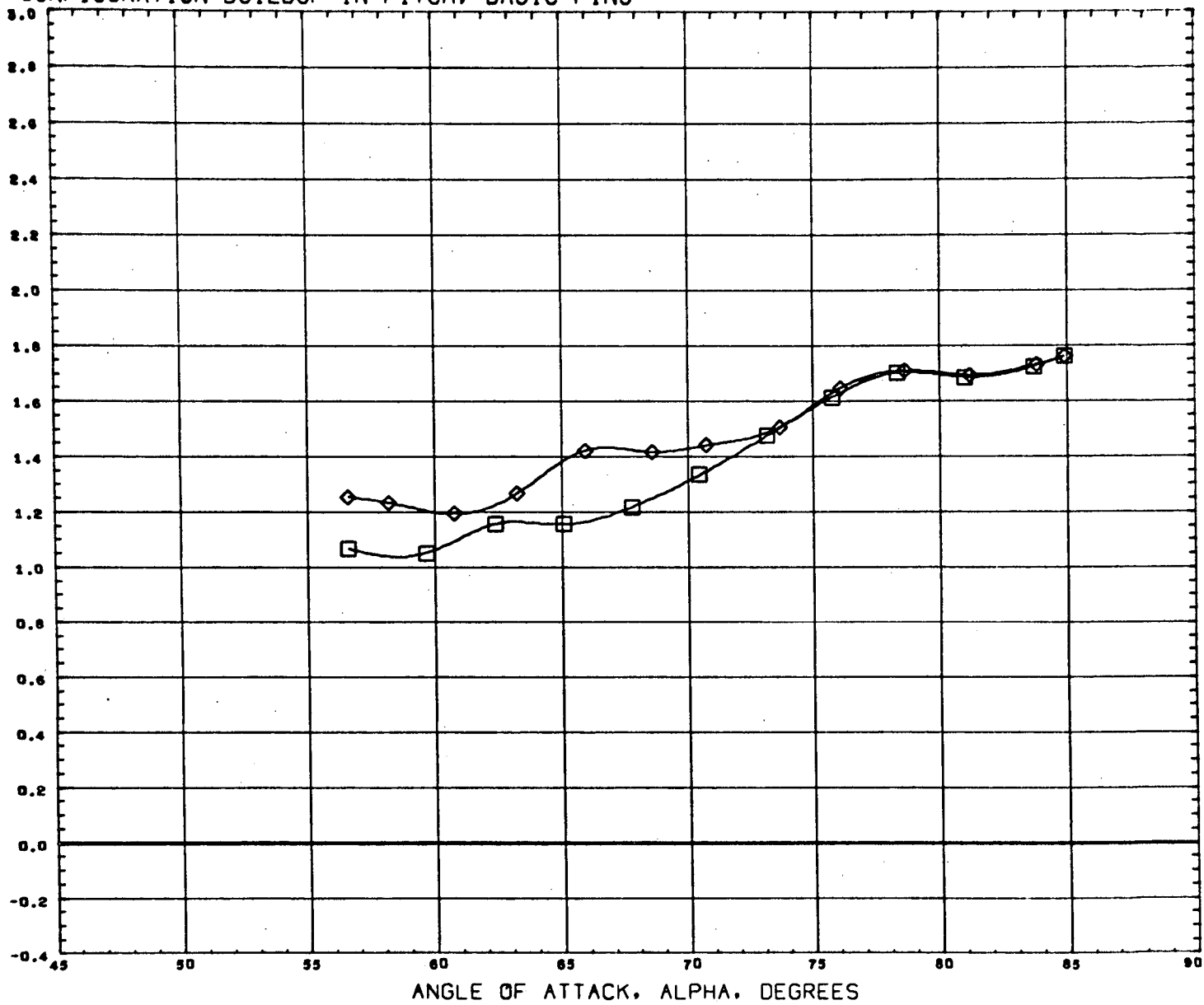


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



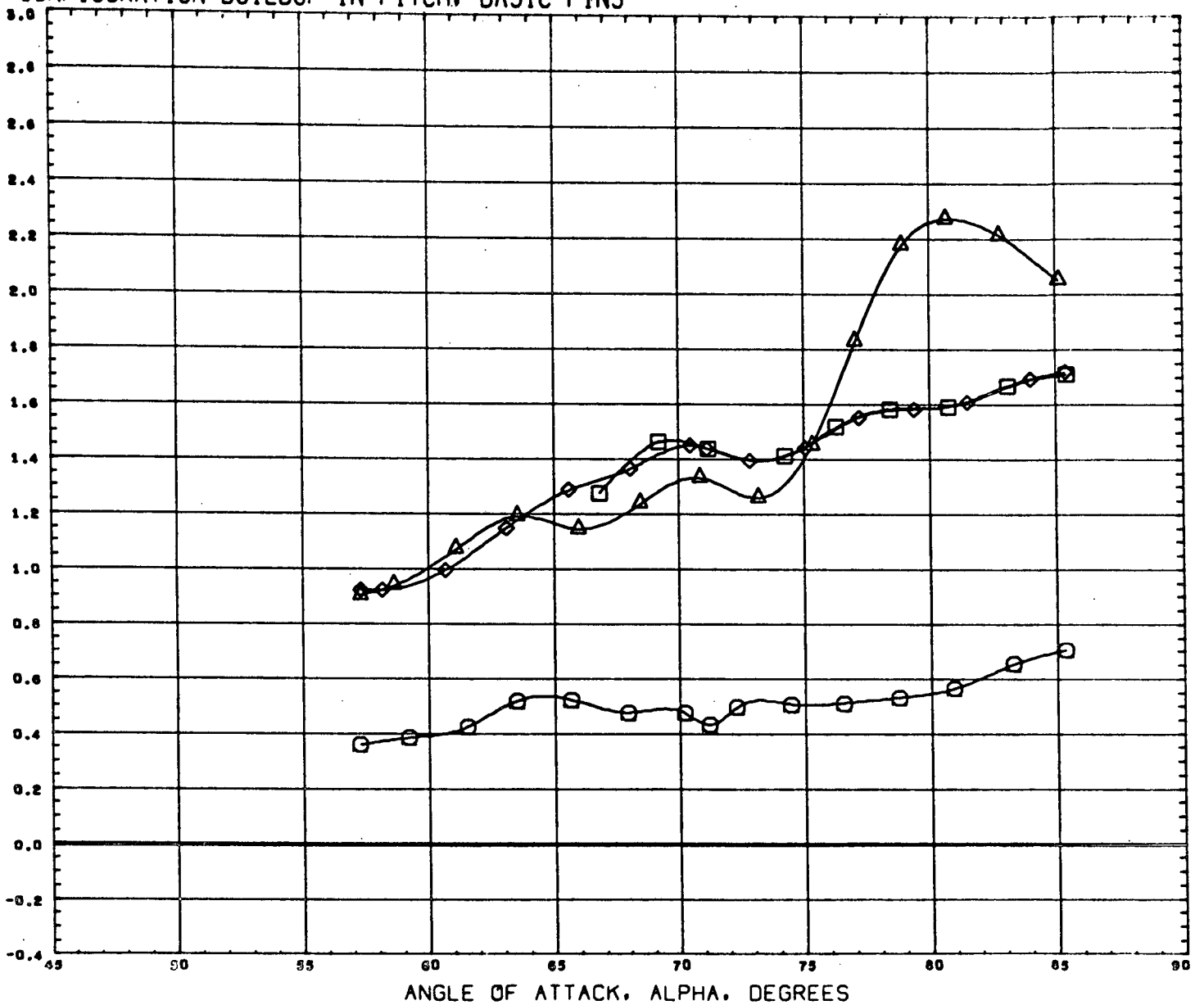
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4021)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



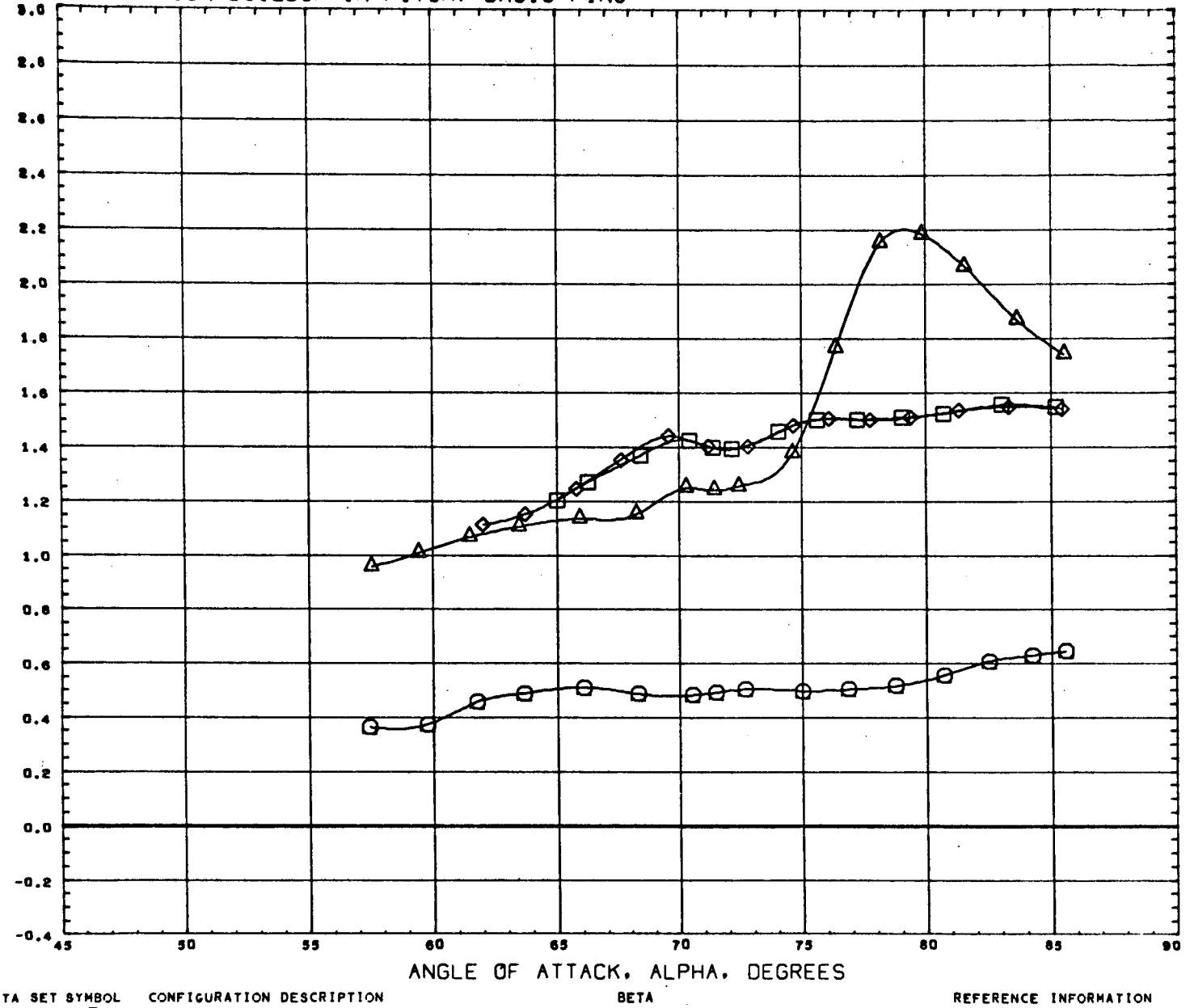
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



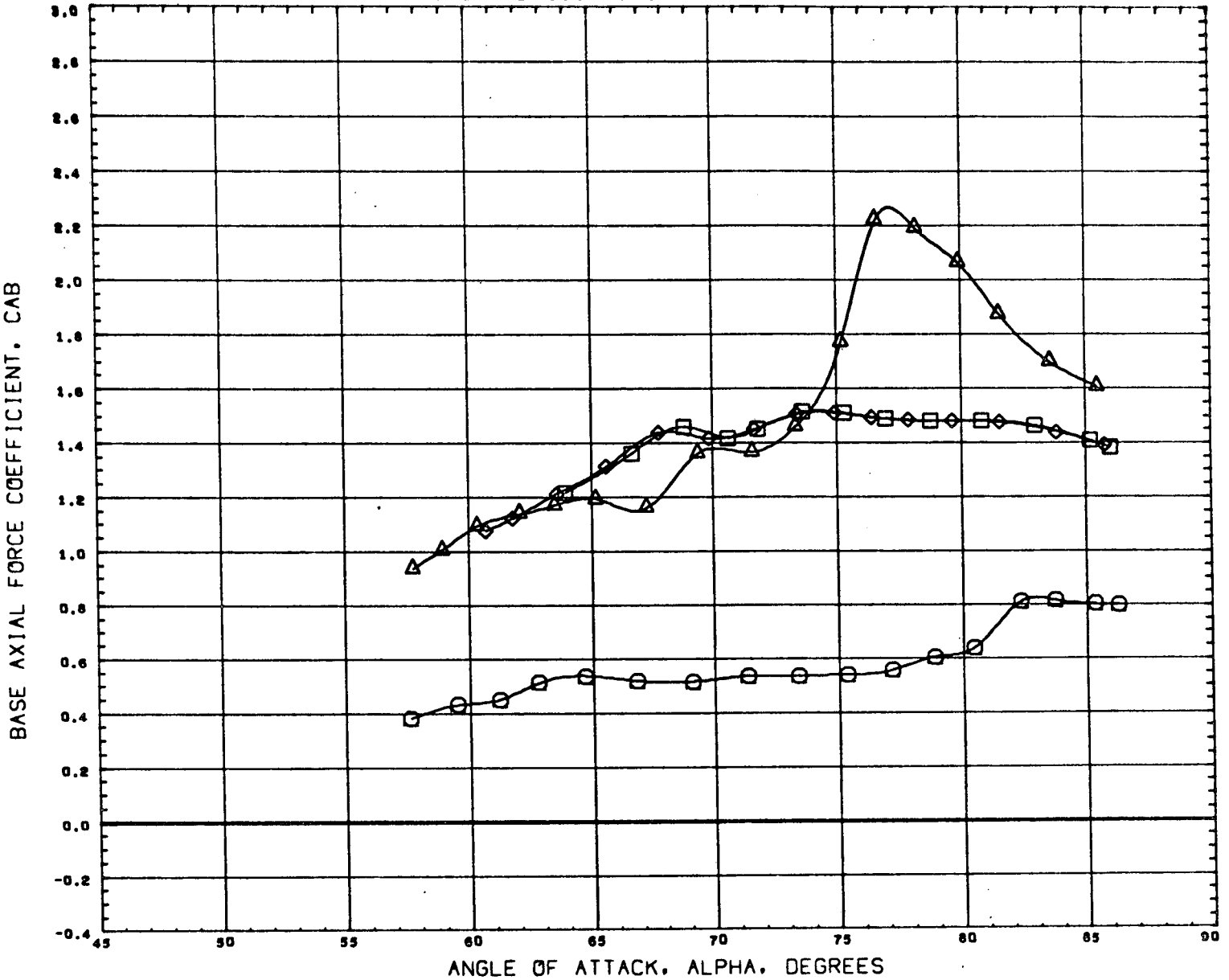
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



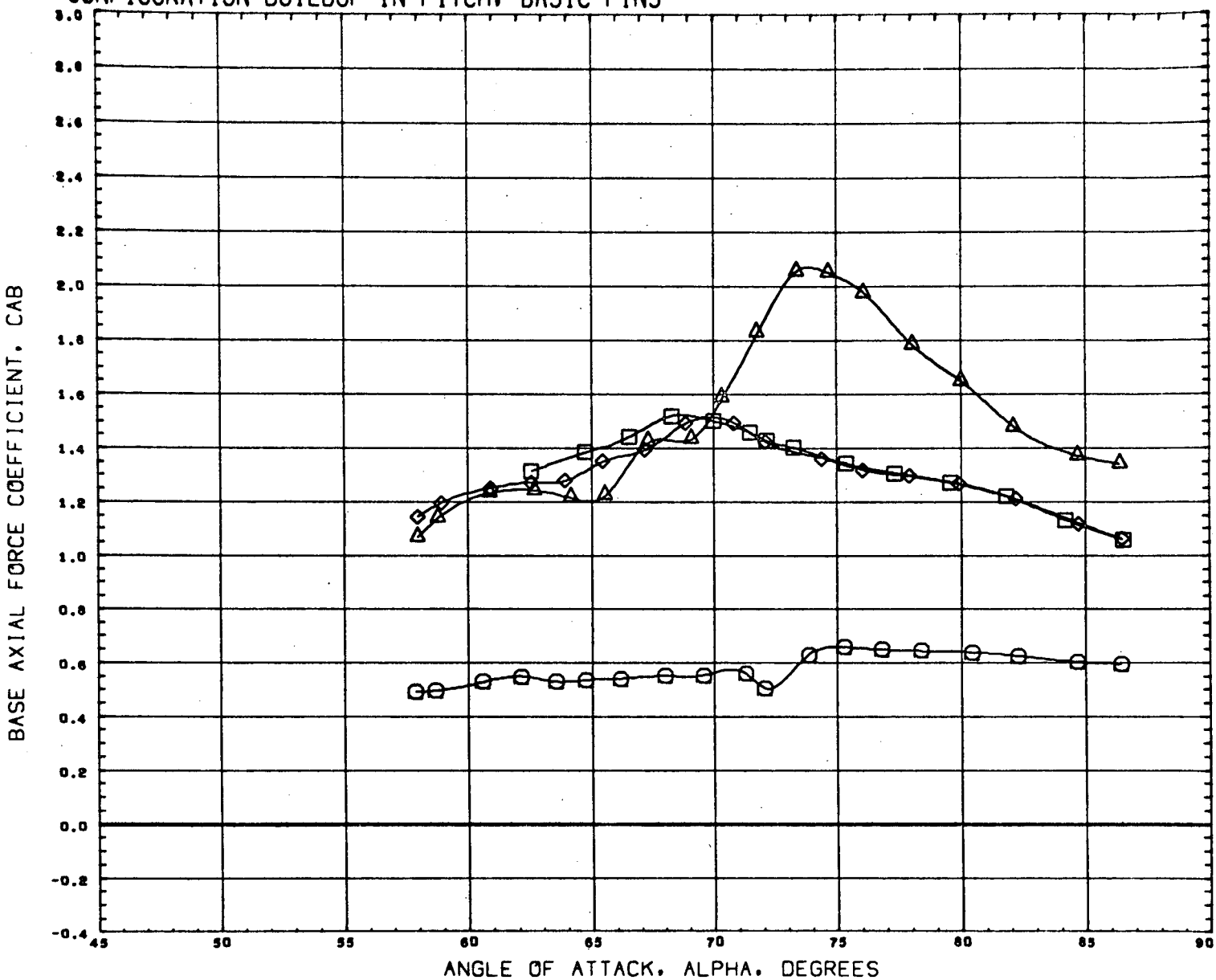
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



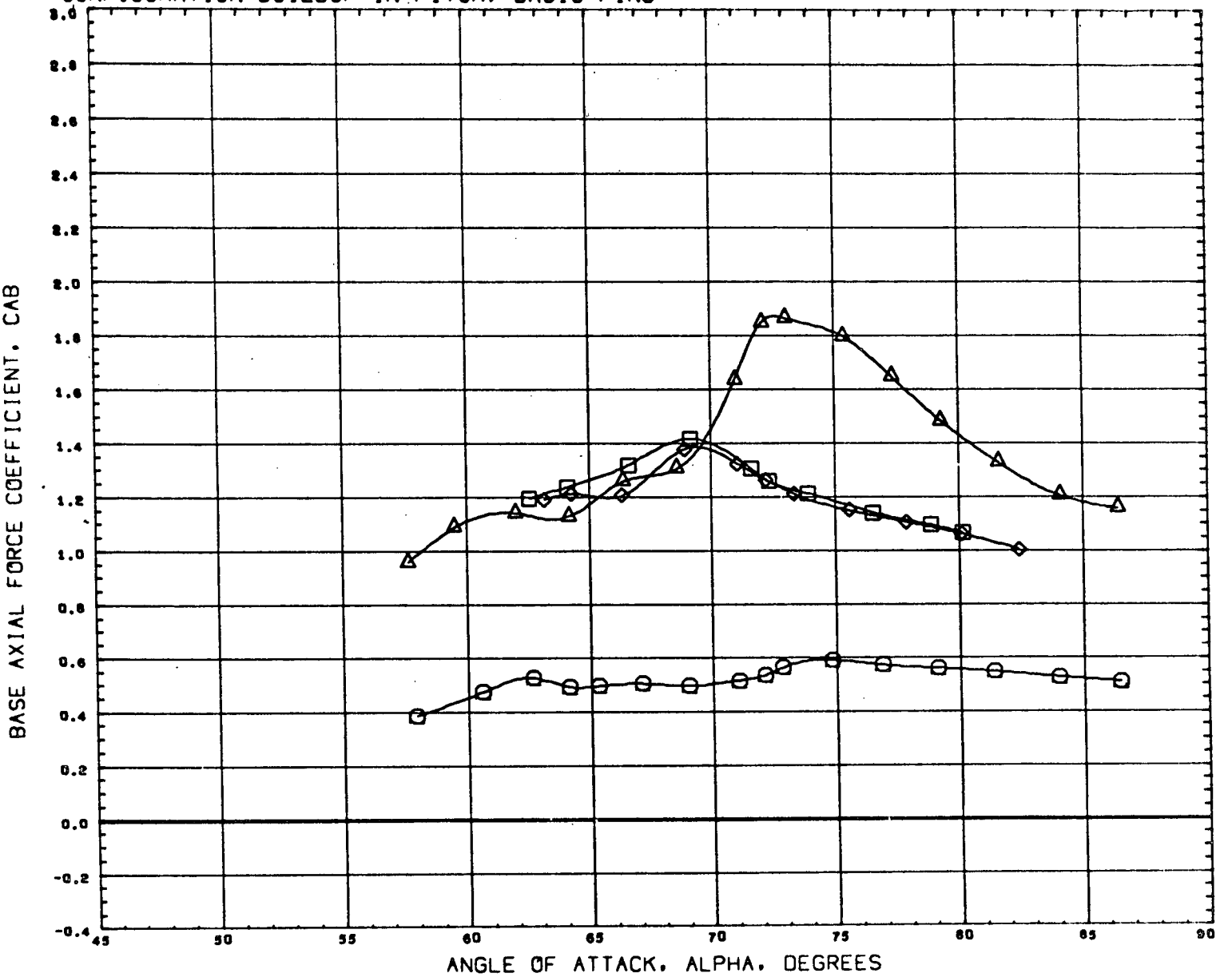
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



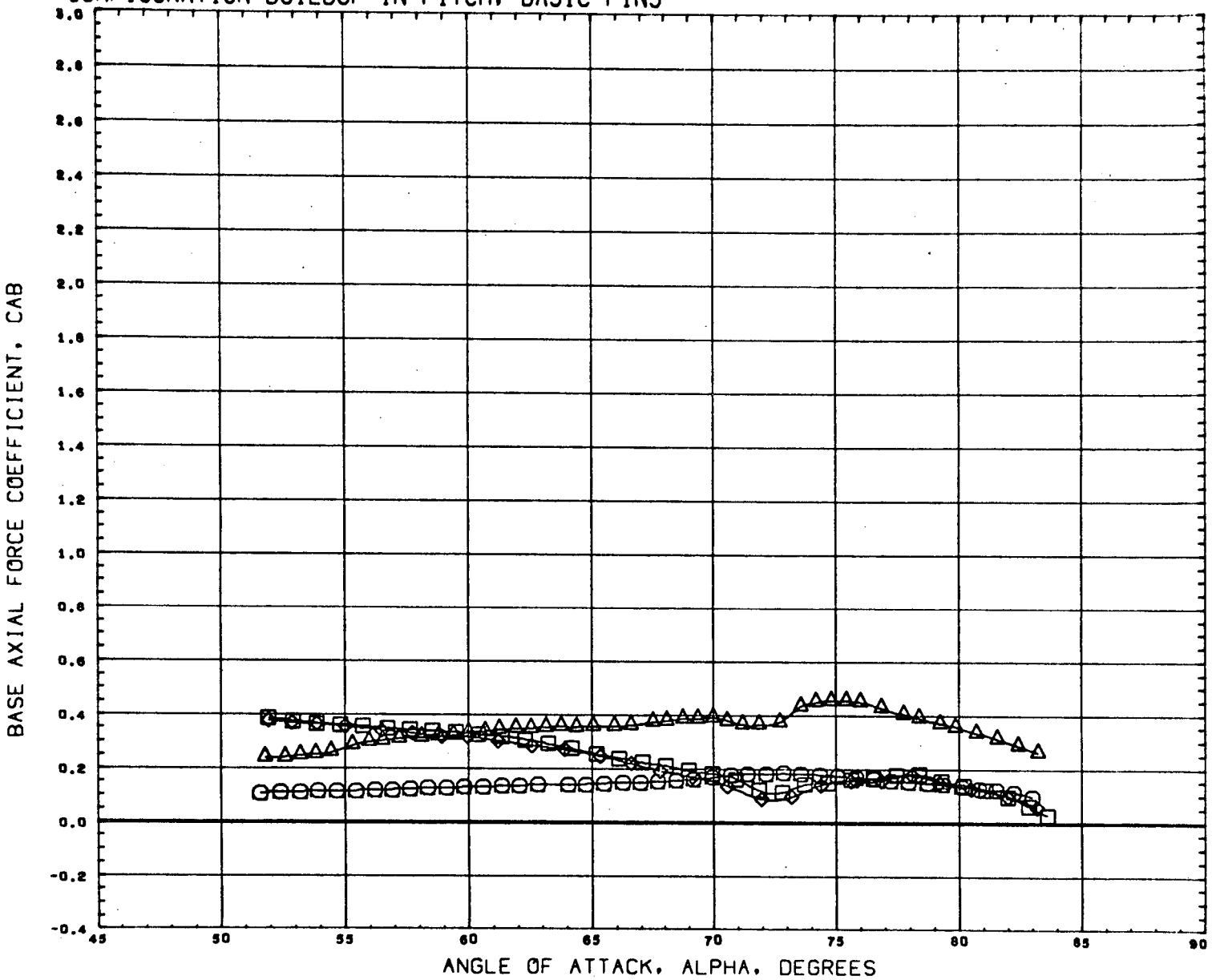
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



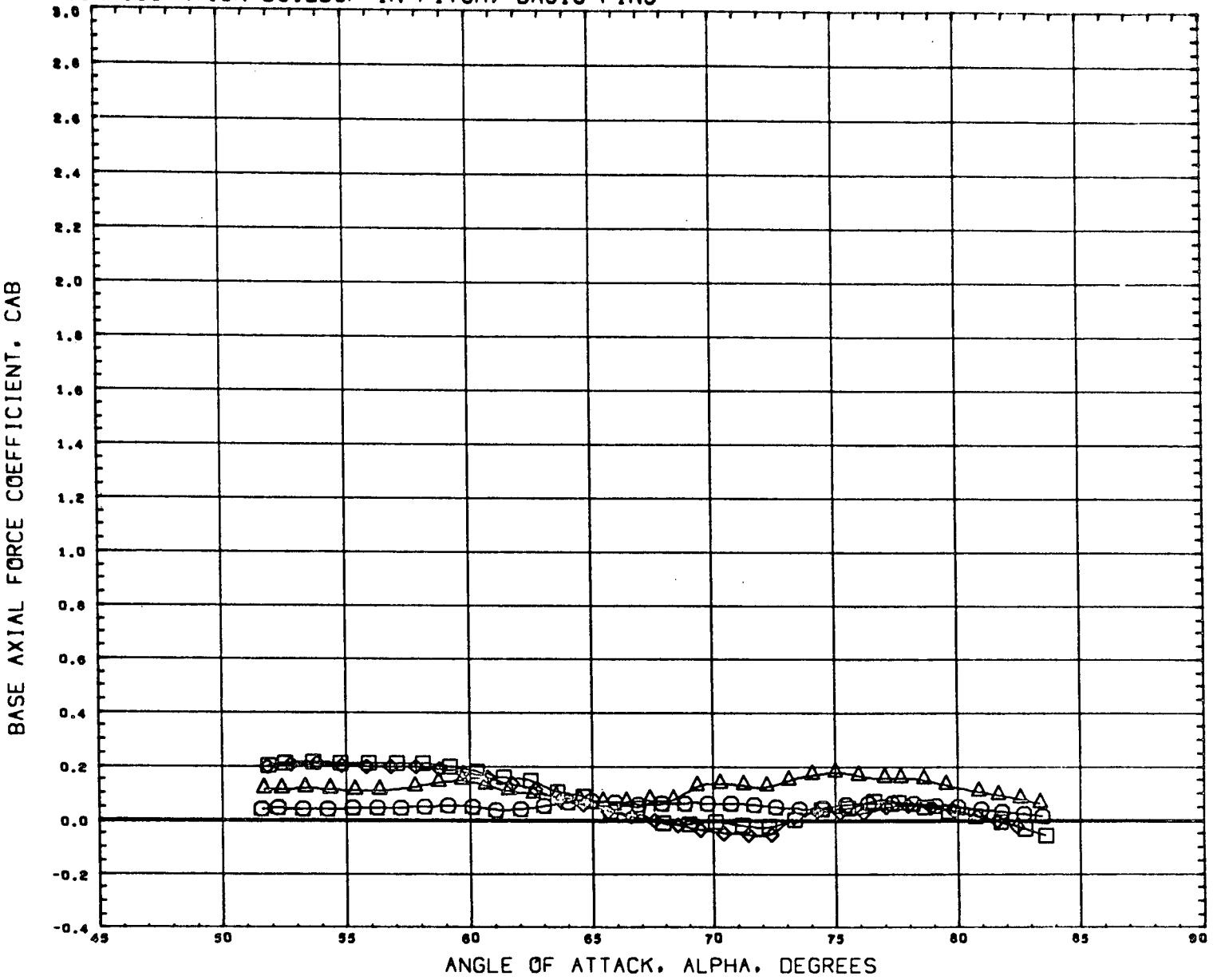
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

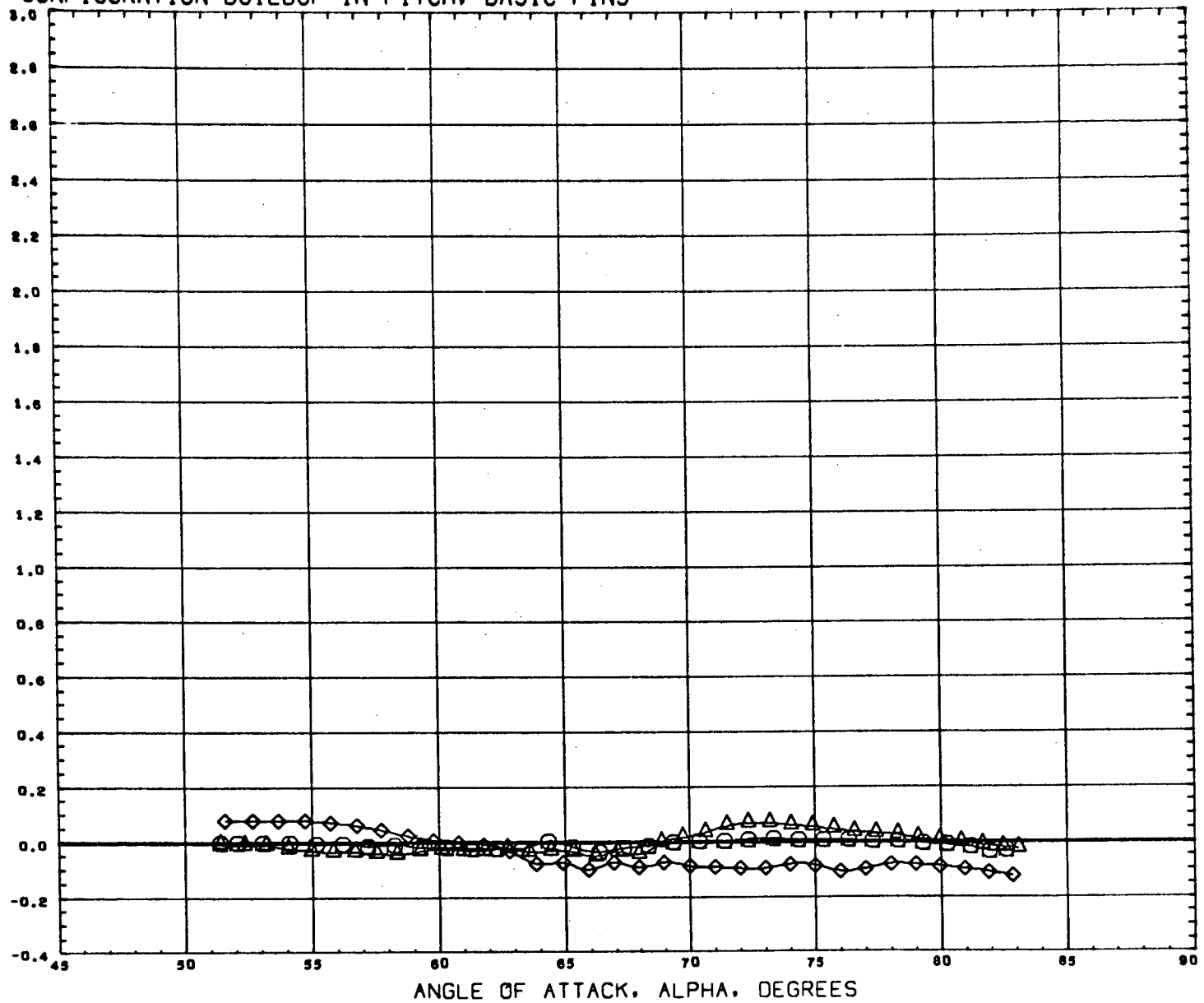


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, BASIC FINS

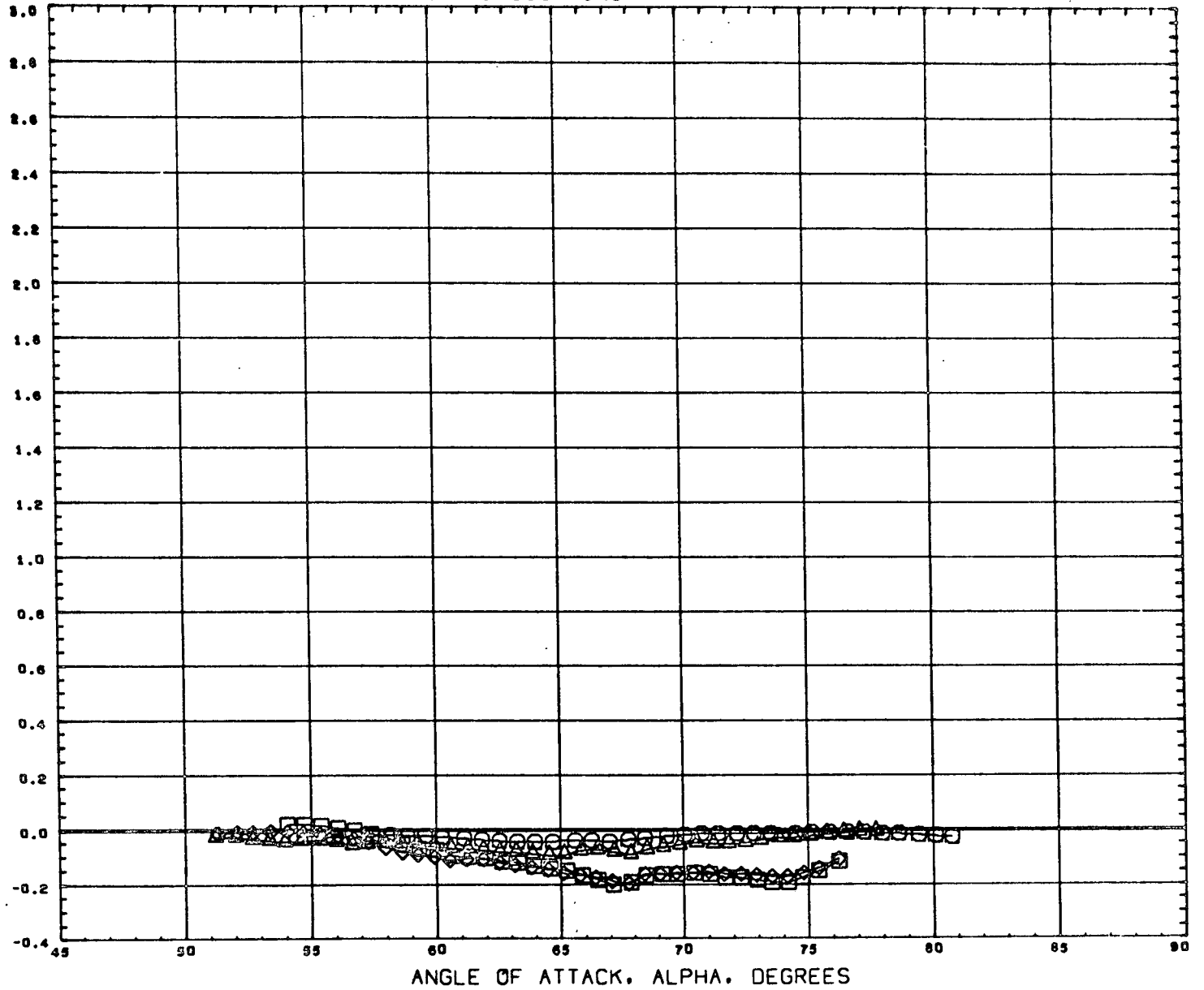


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(AD4021) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	0.000
(AD4031) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051) □	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, BASIC FINS



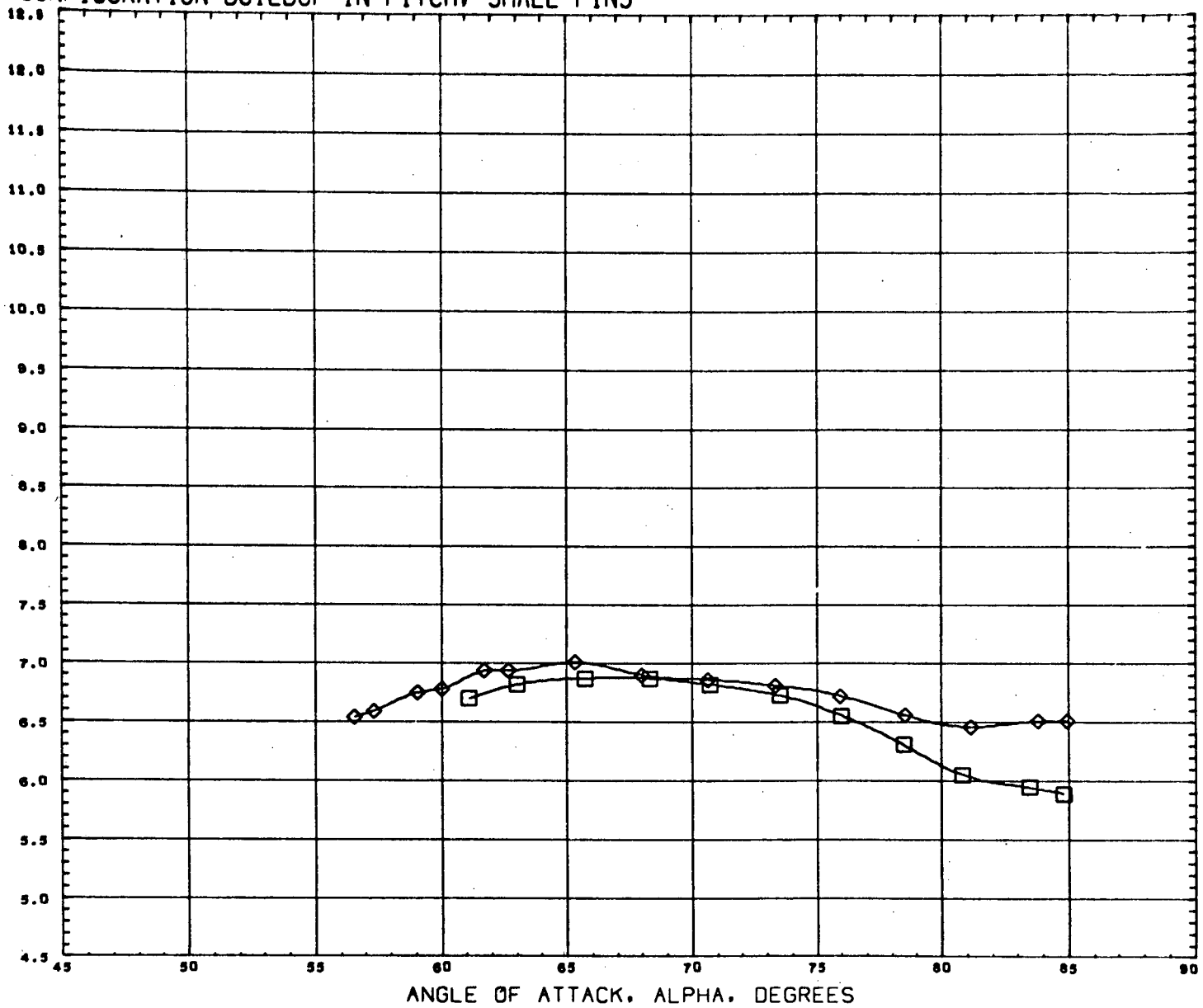
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(AD4021)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	0.000
(AD4031)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

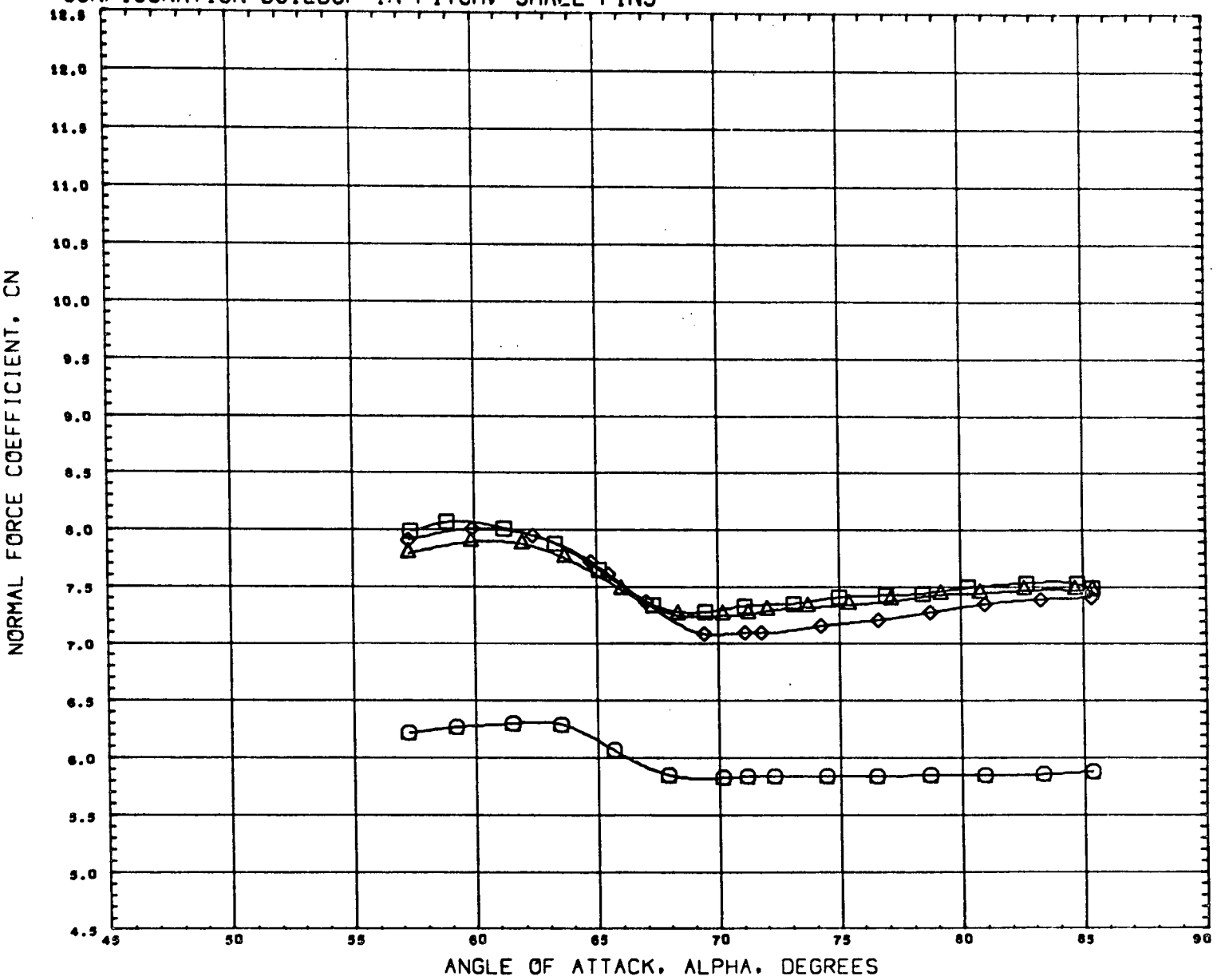


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

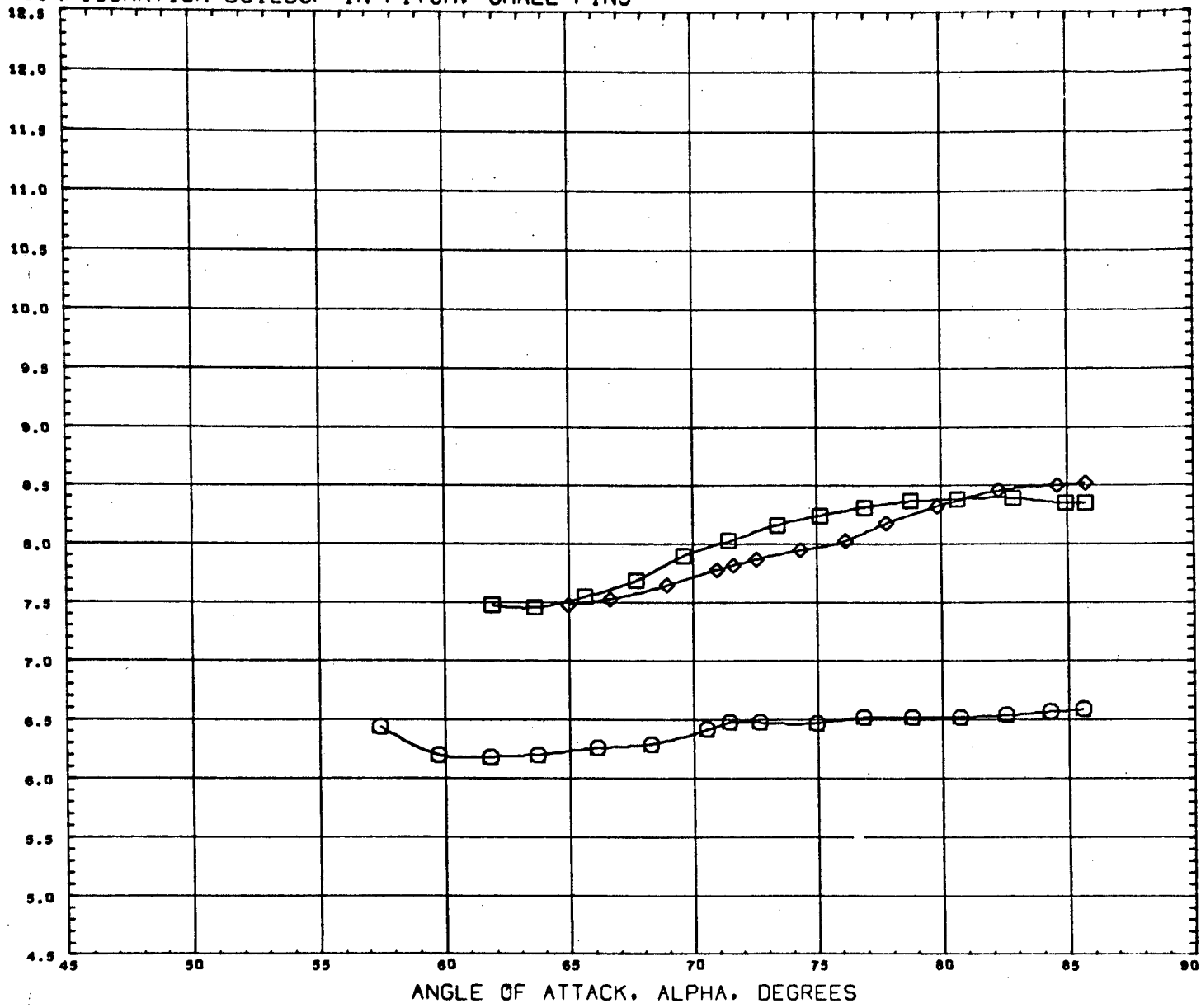


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

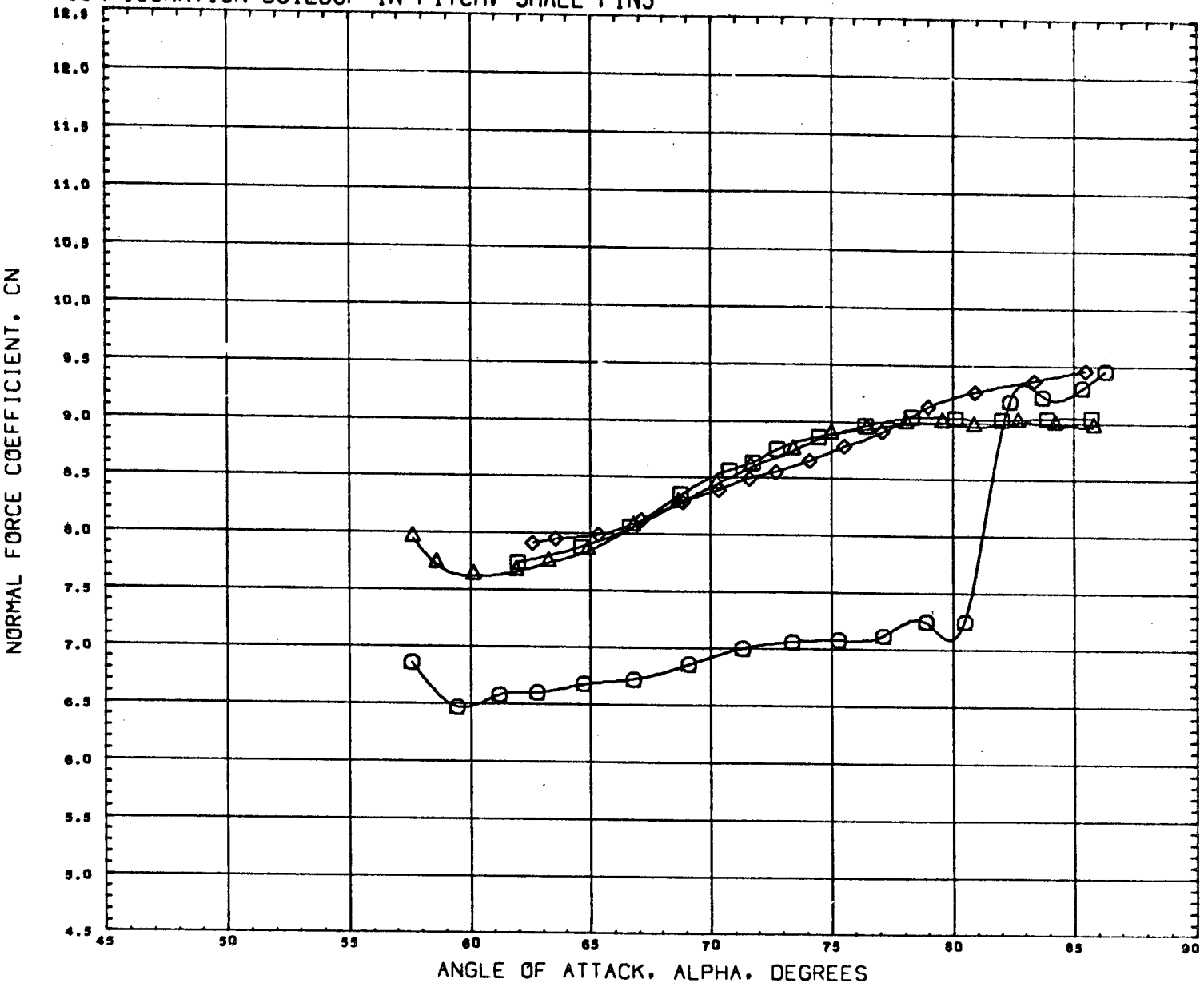


DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



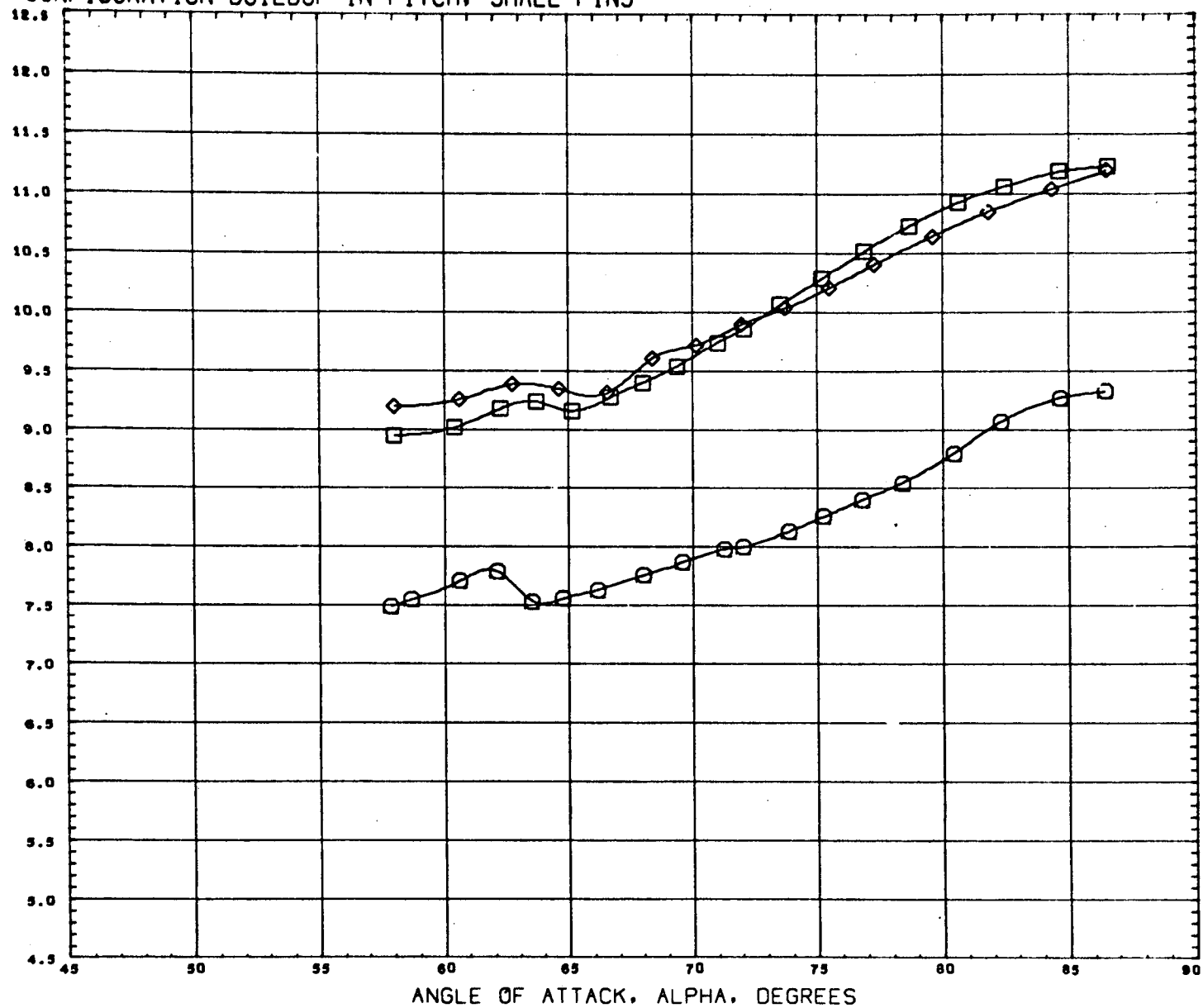
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

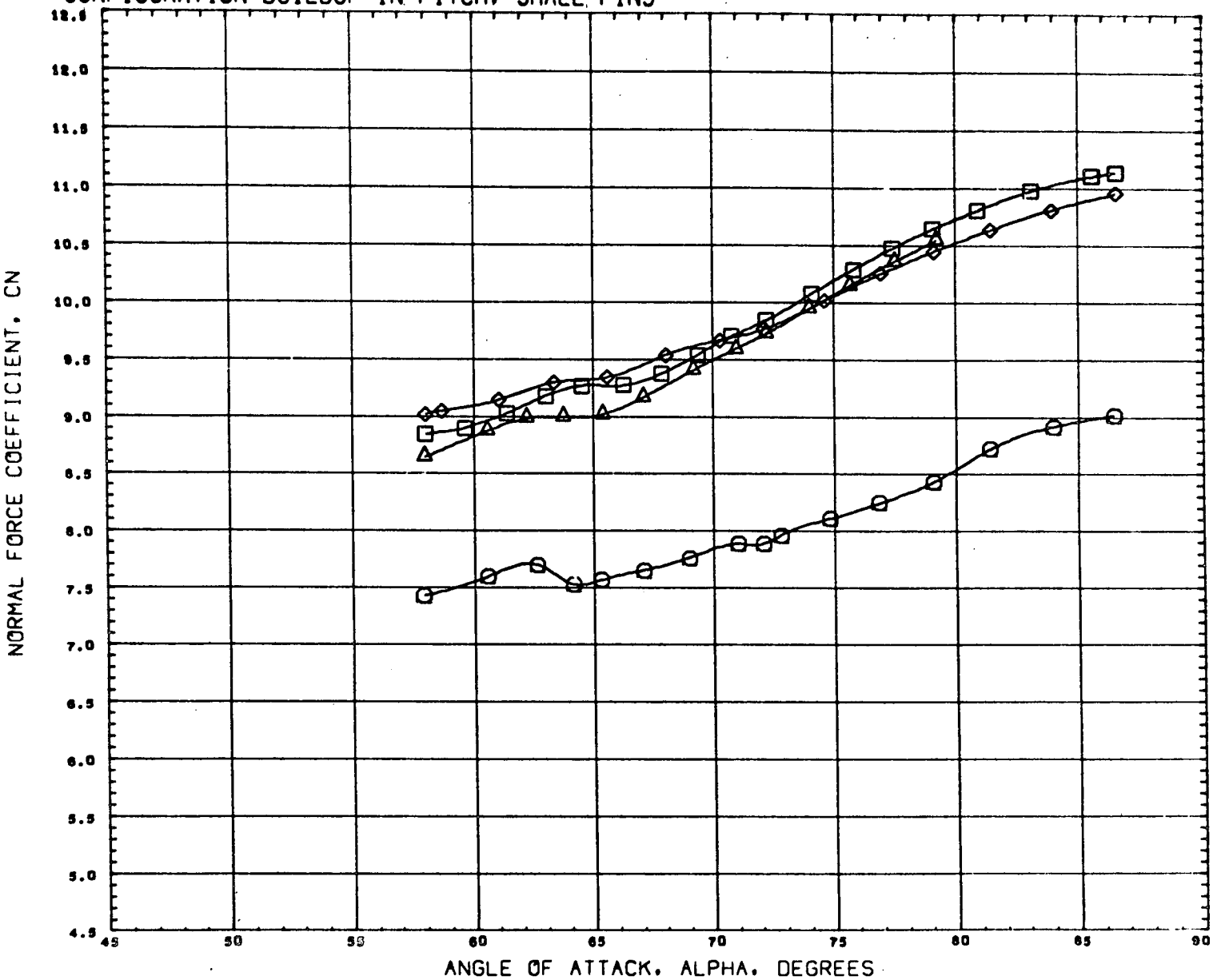


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

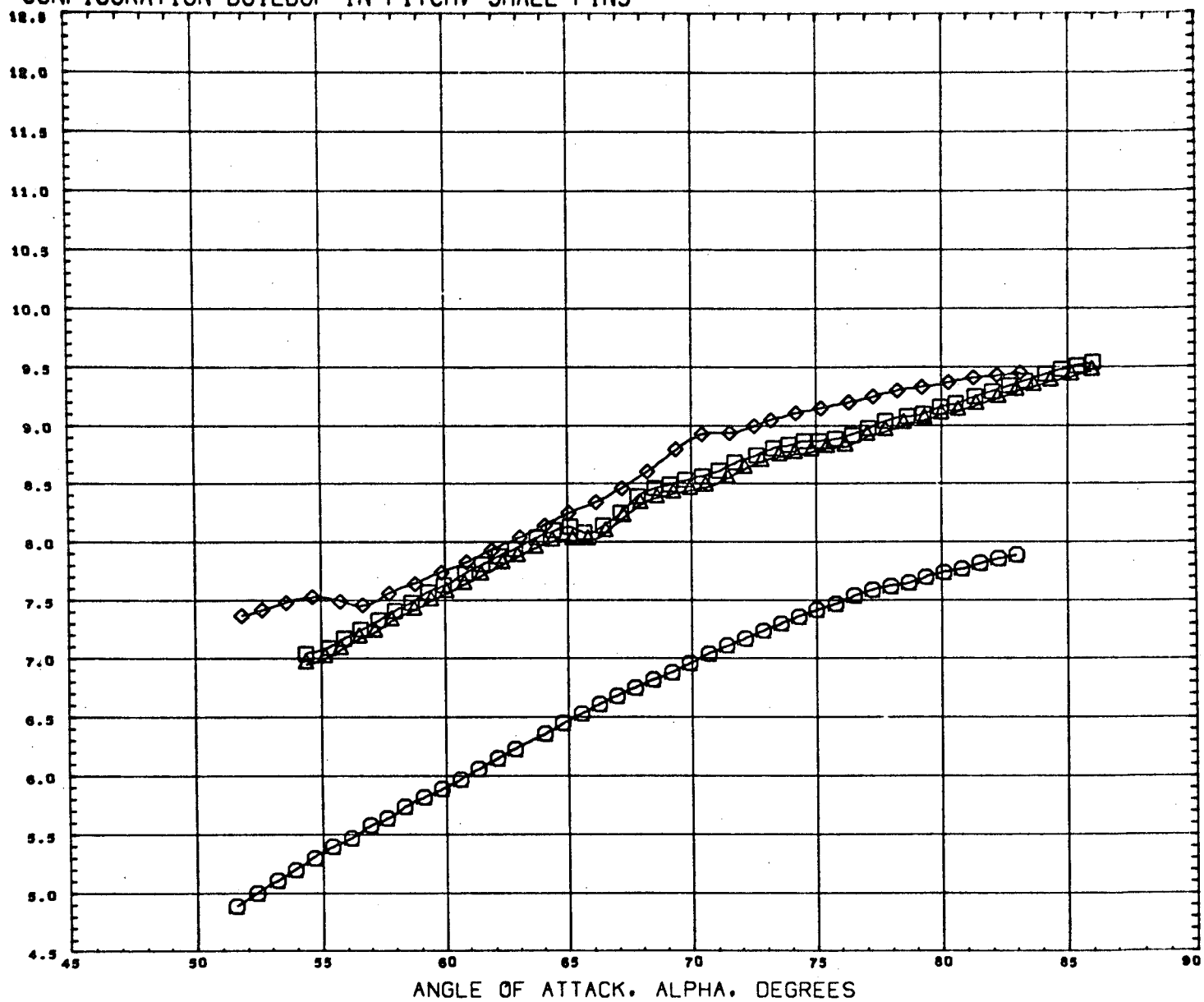


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

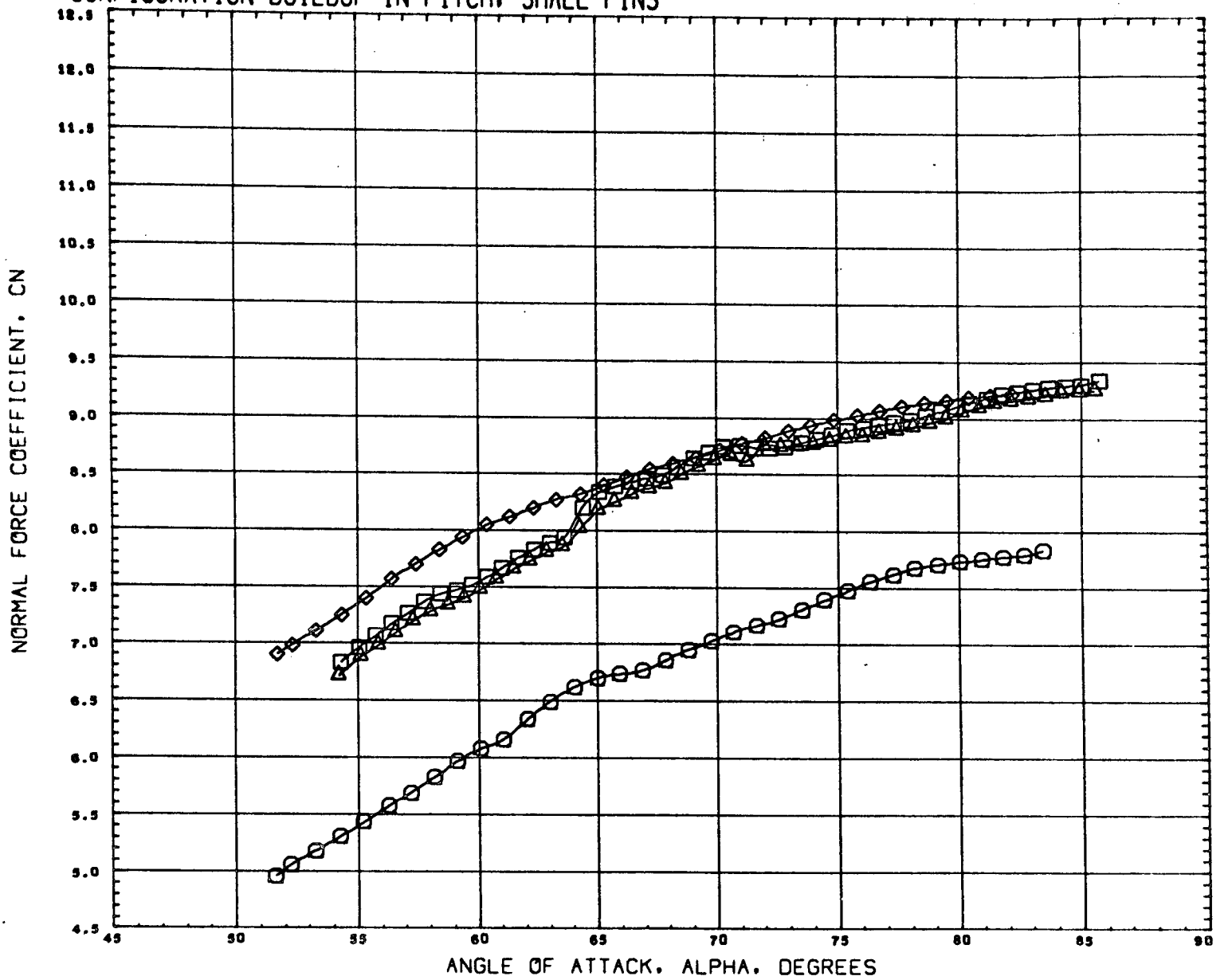


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

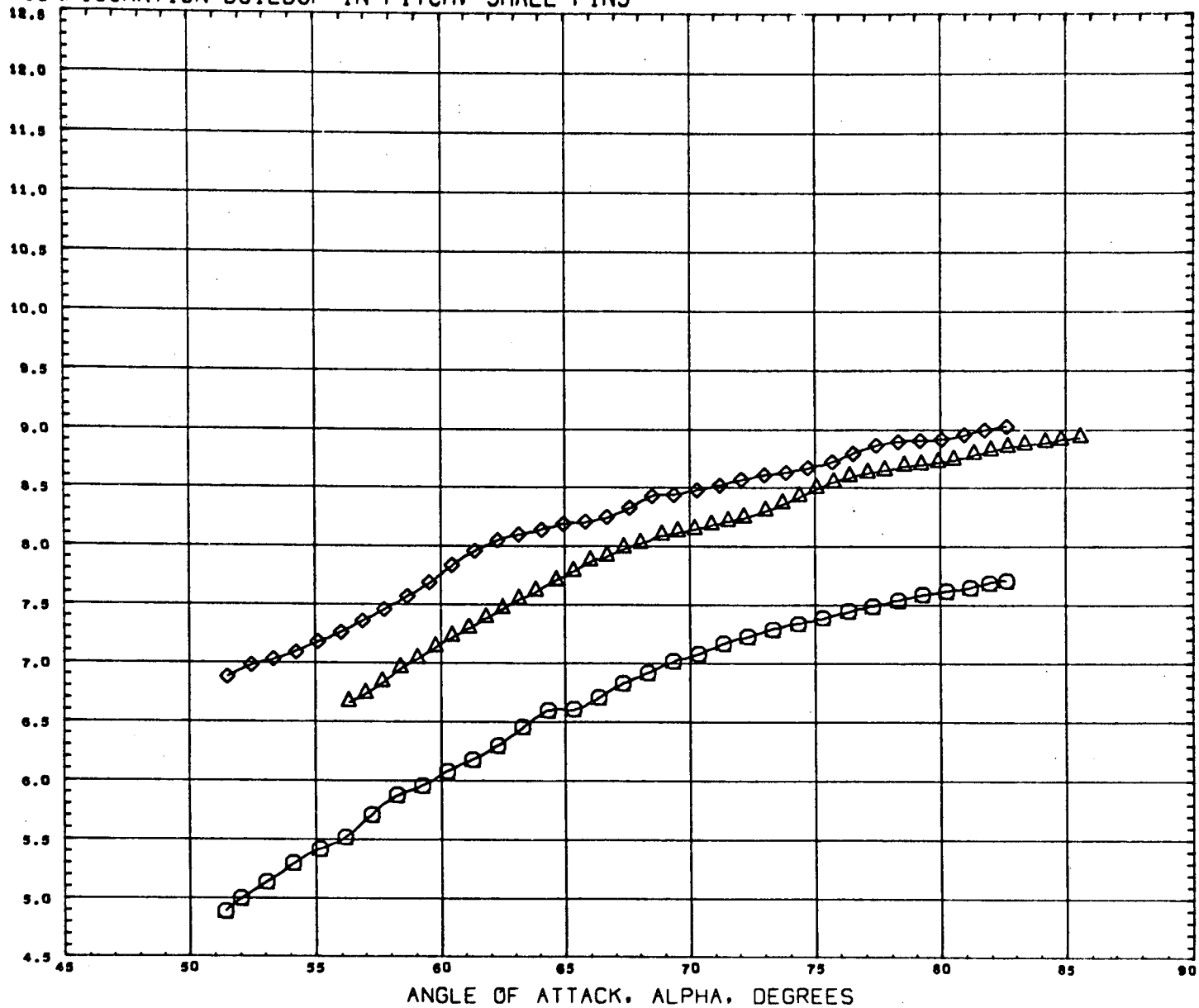


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



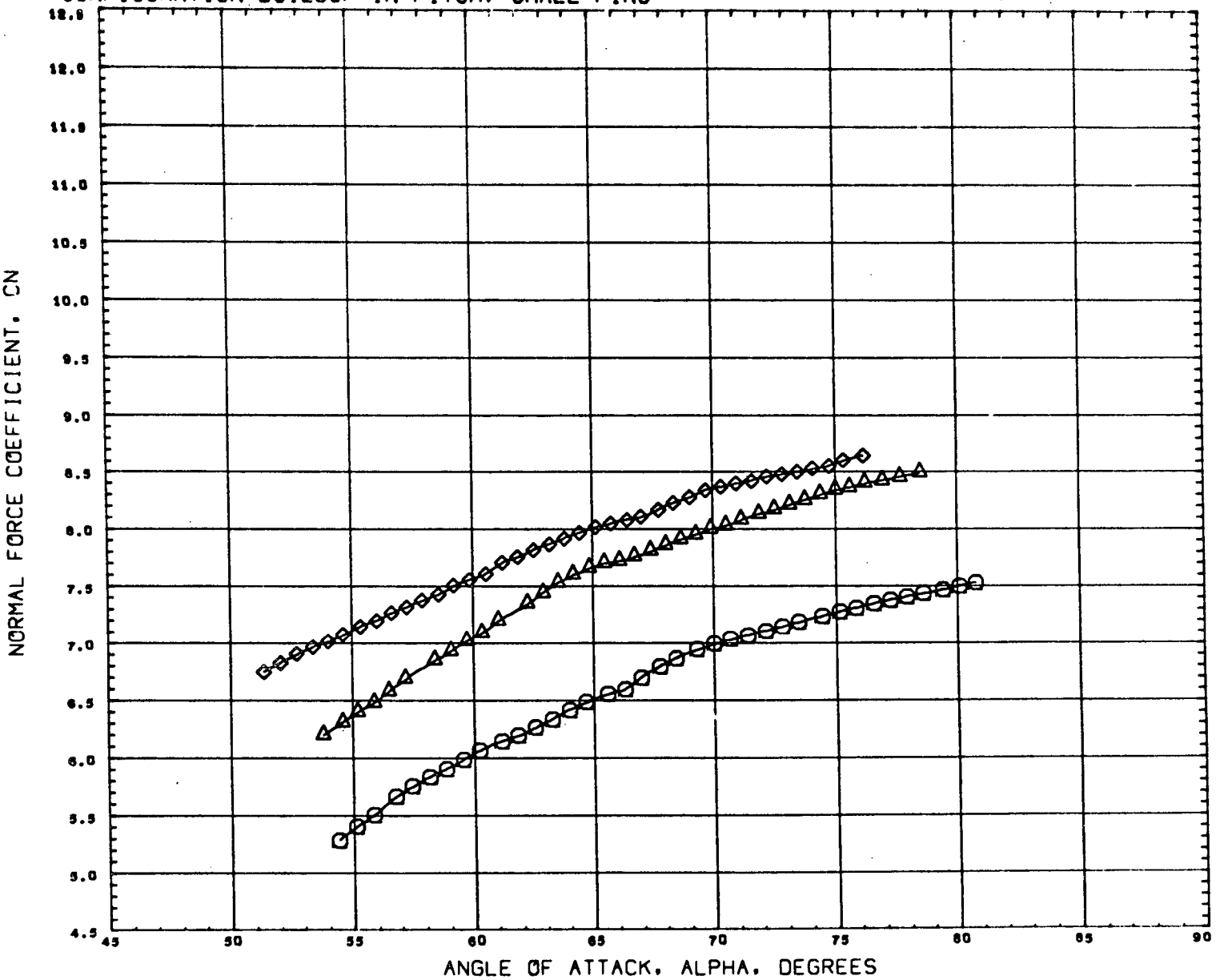
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

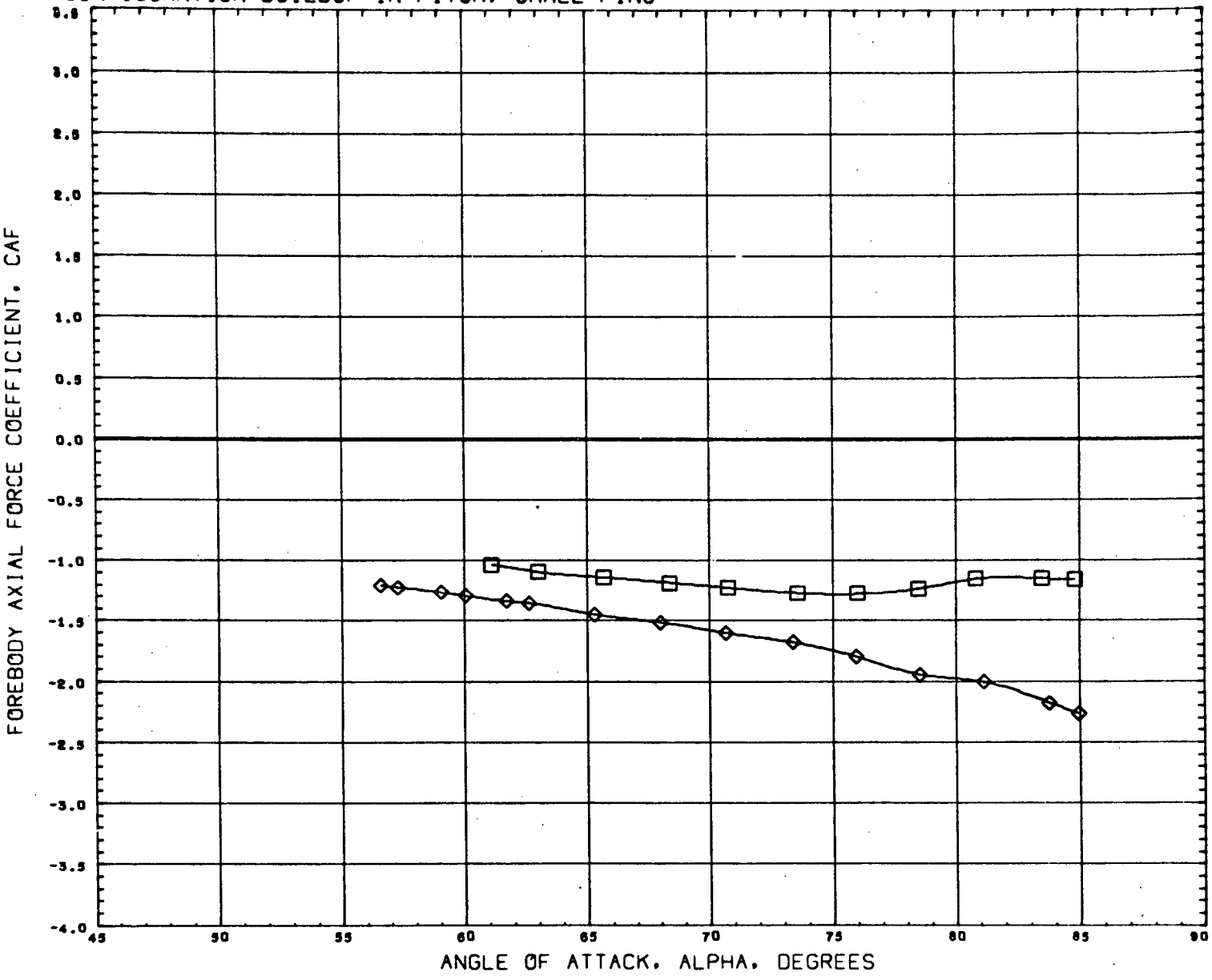


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7300	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

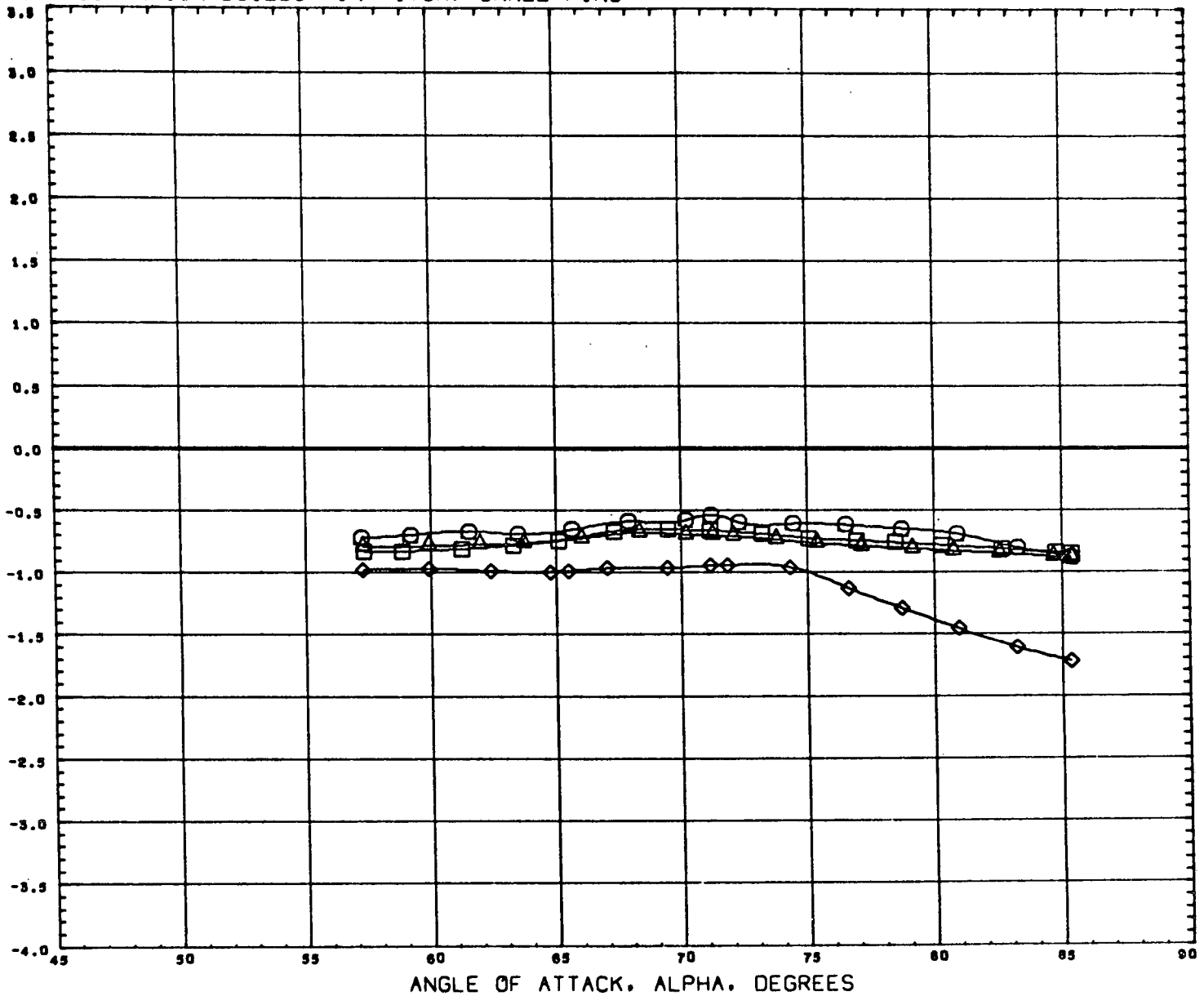


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



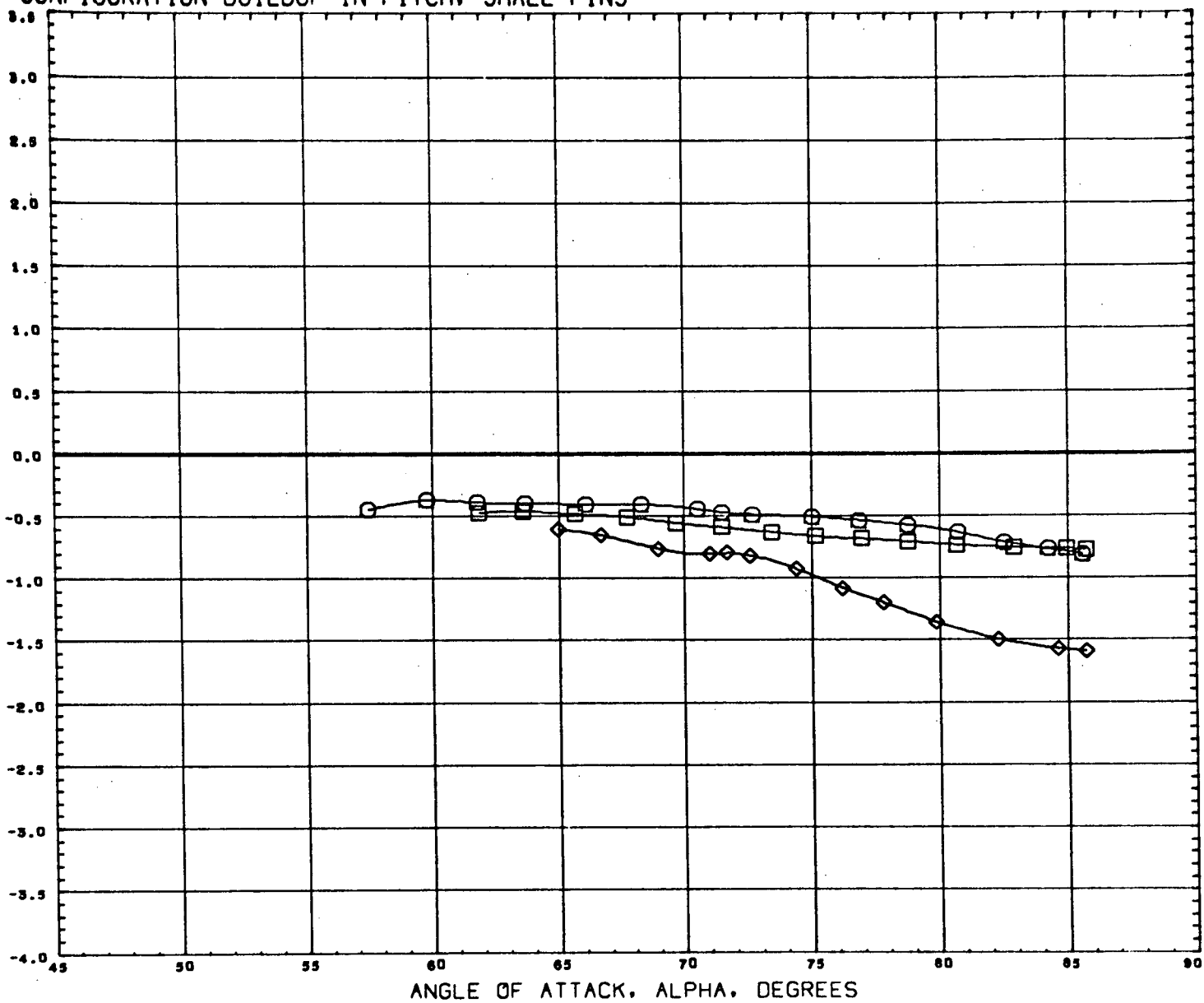
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

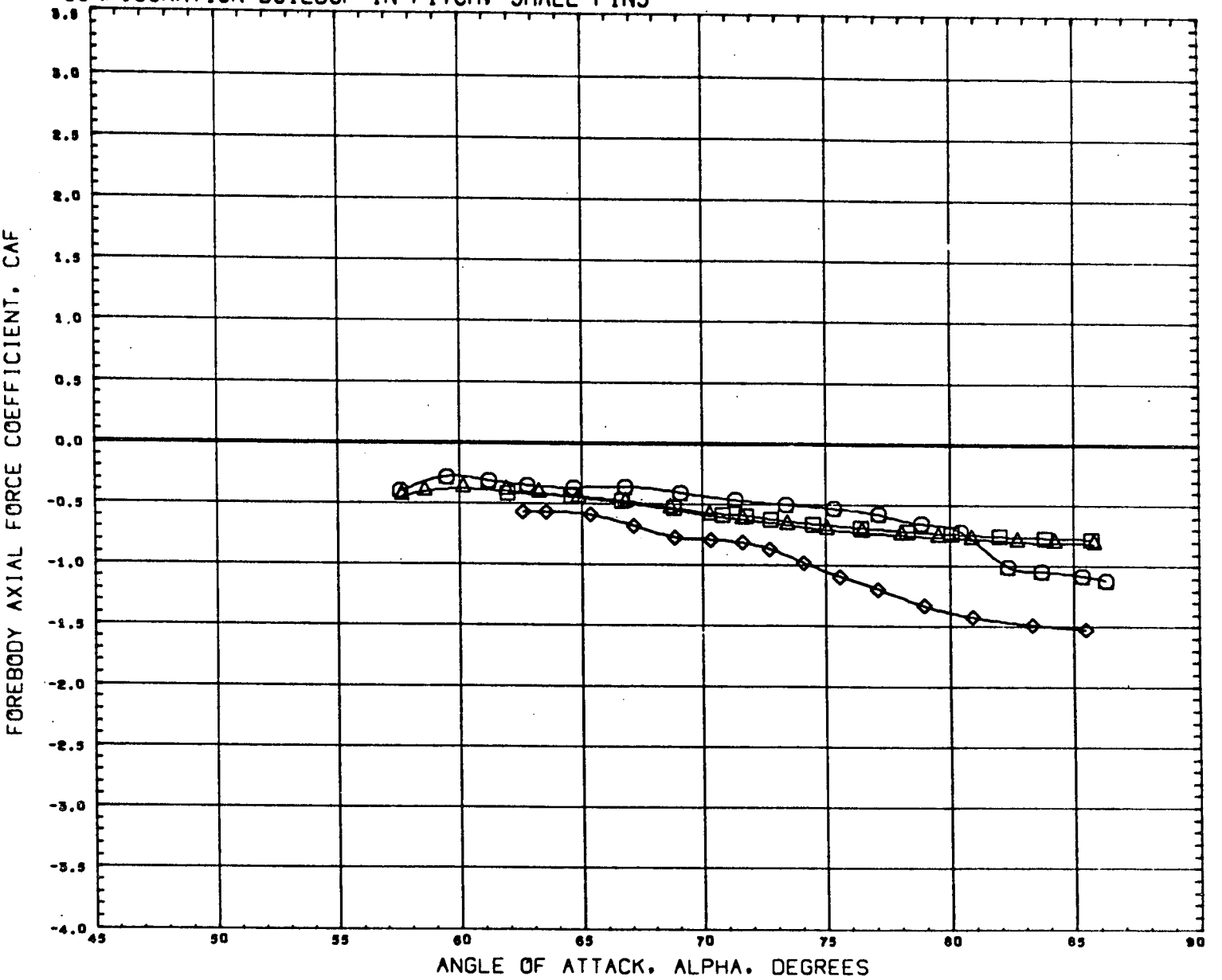


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

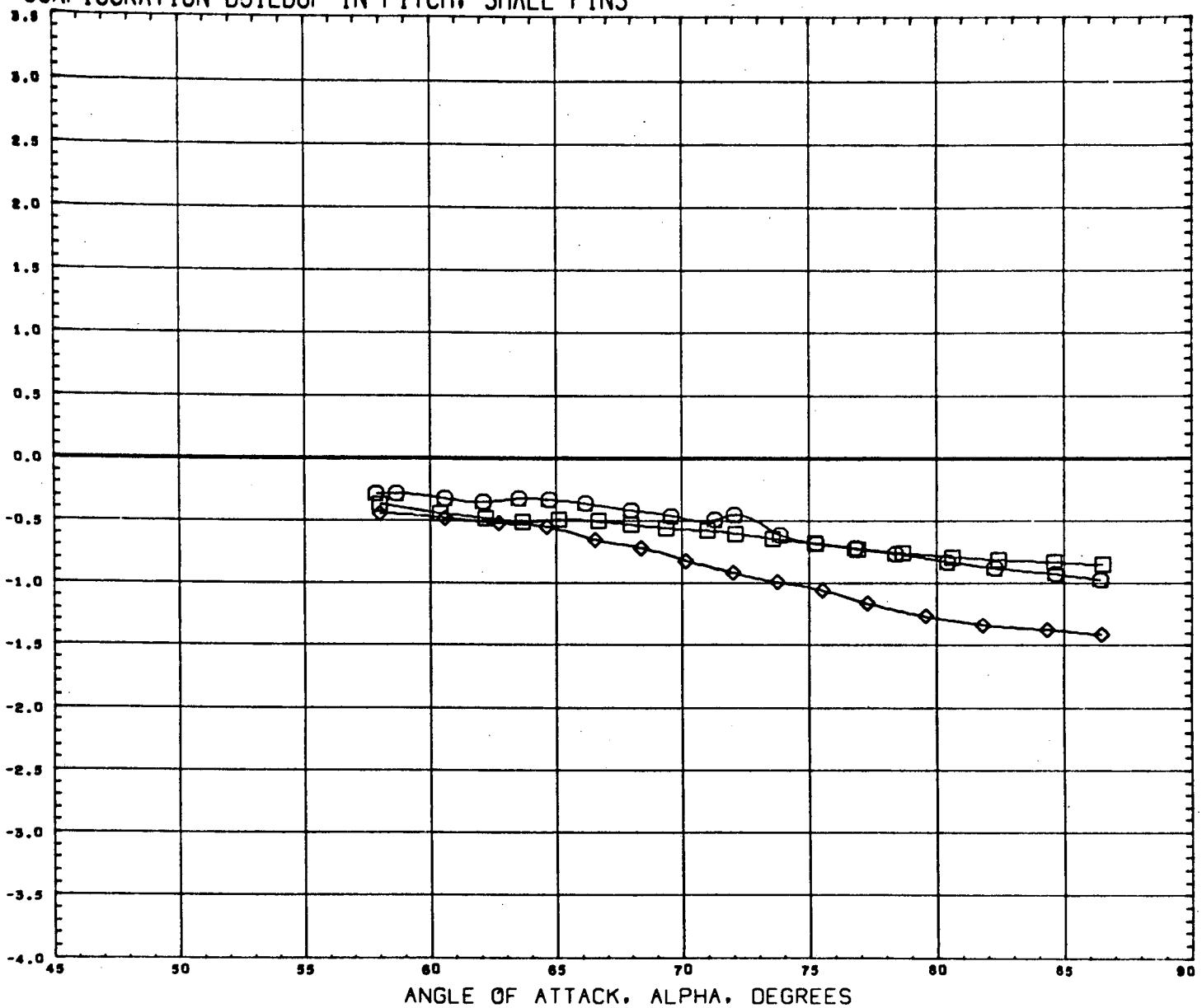


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



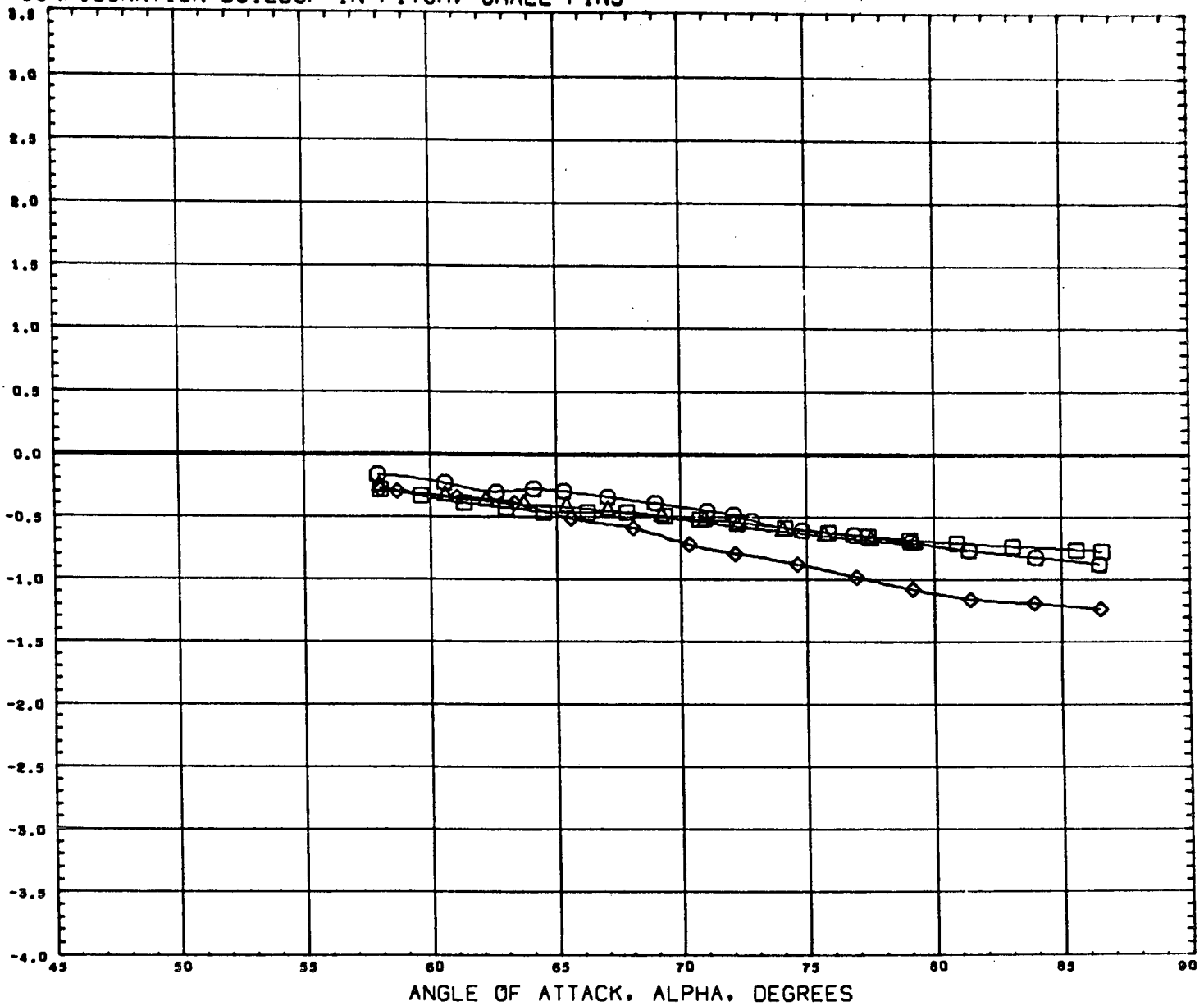
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

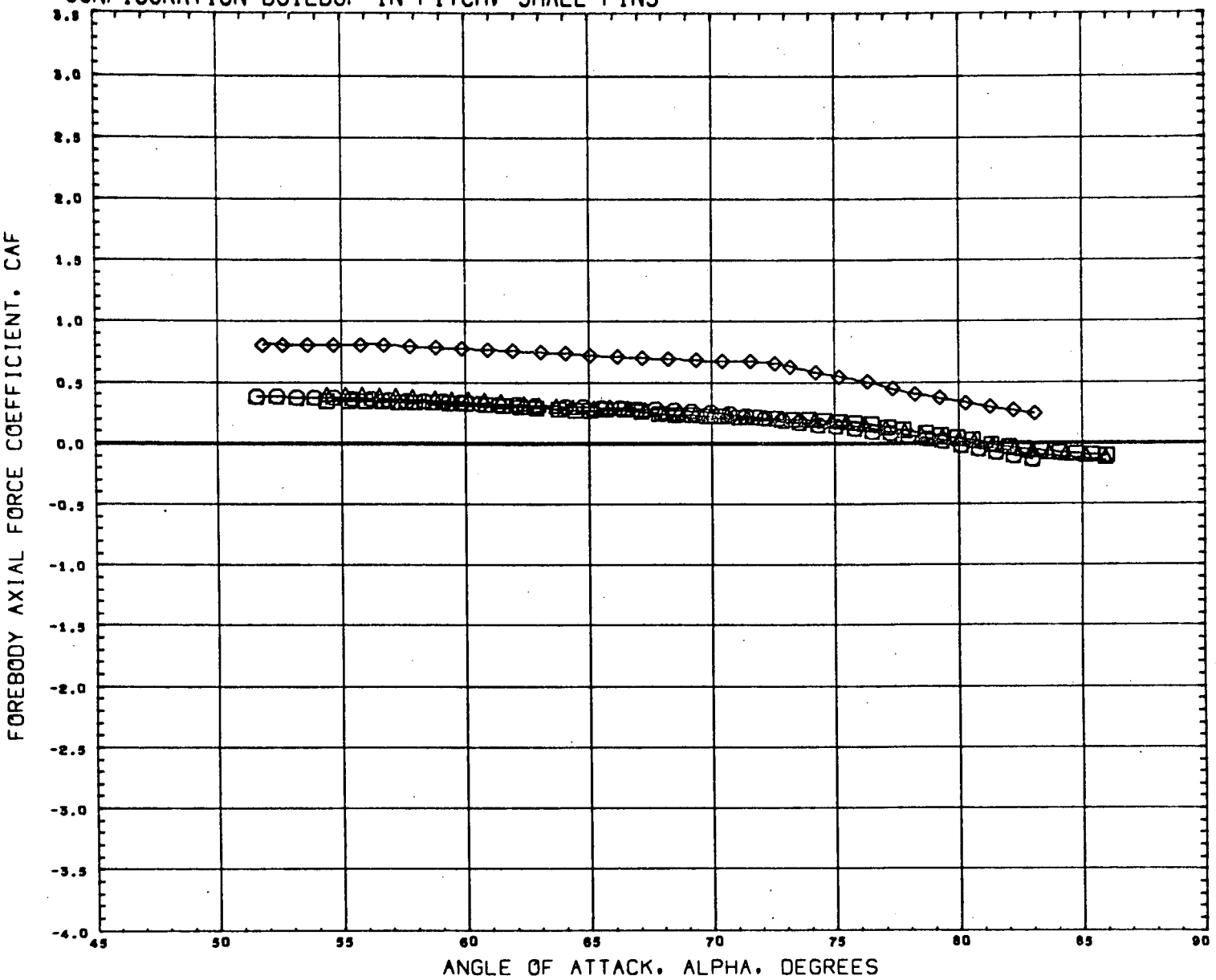


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



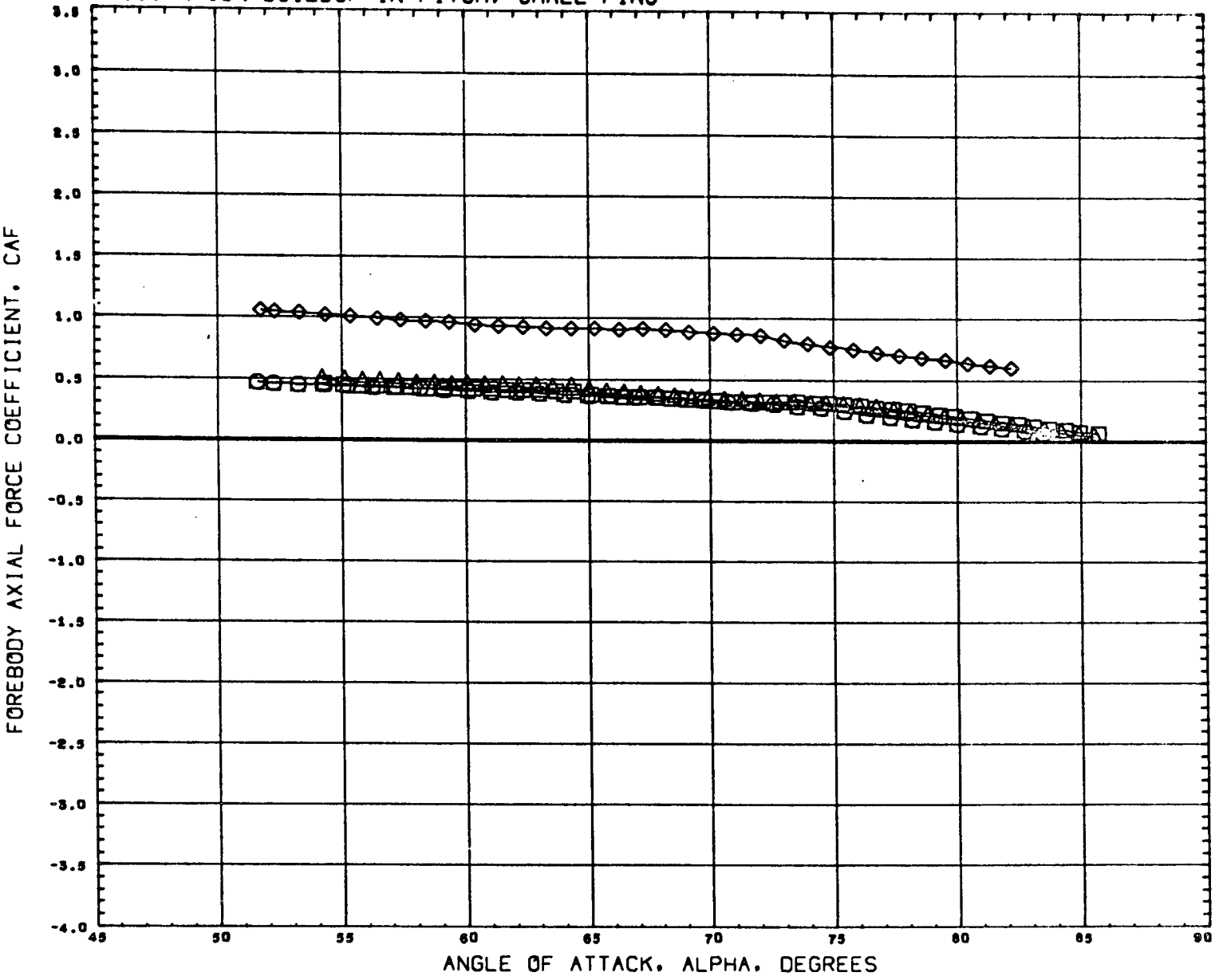
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

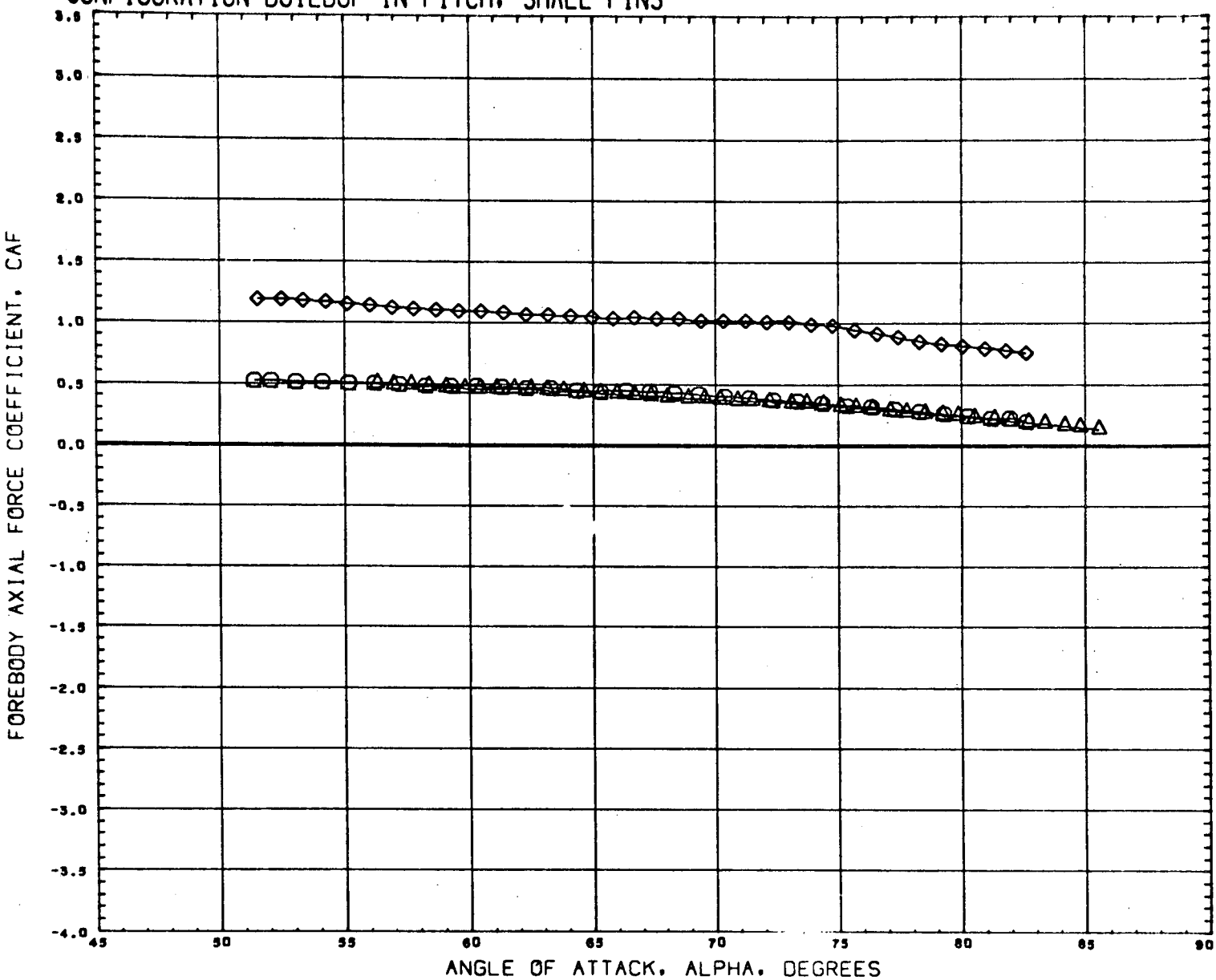


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



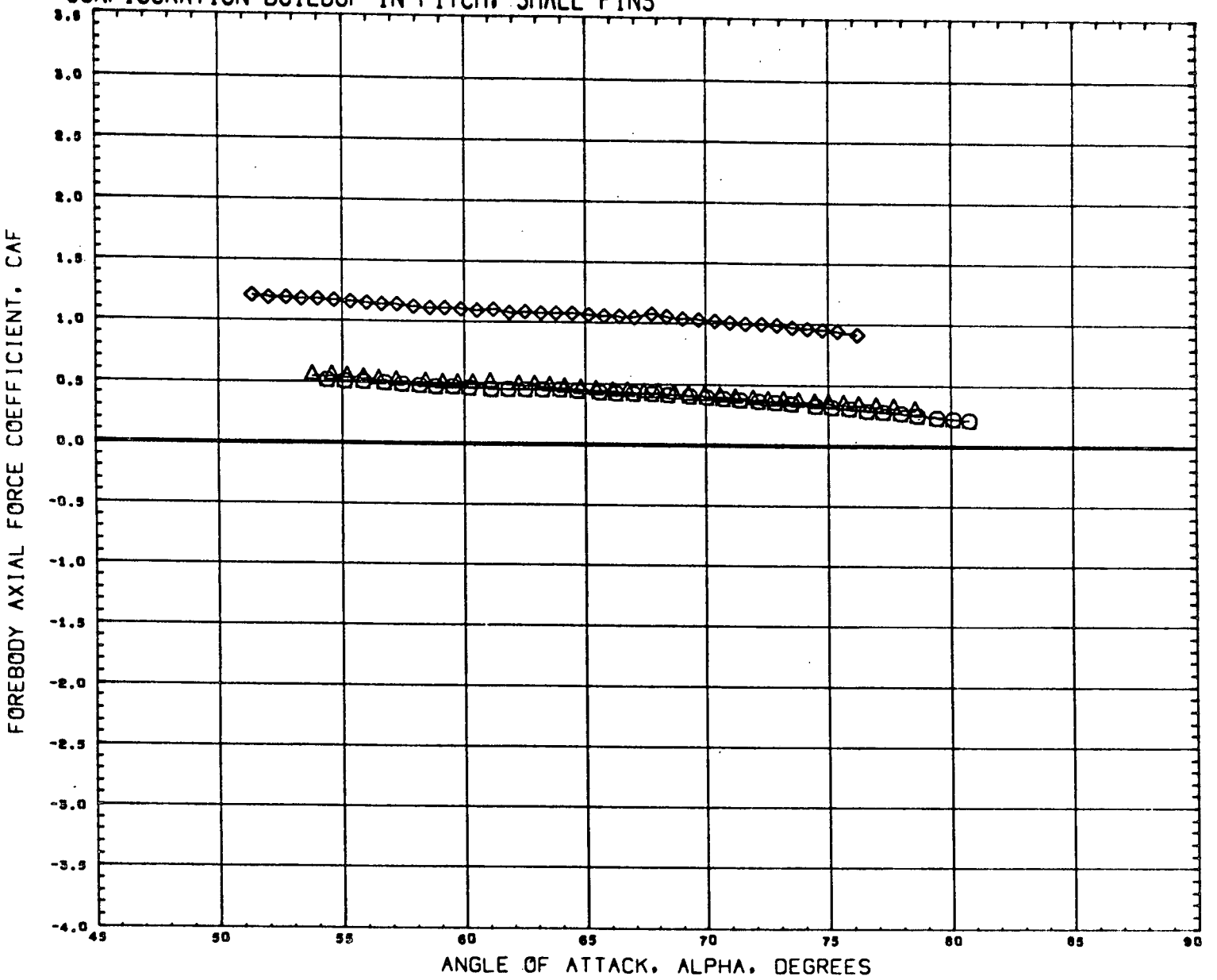
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



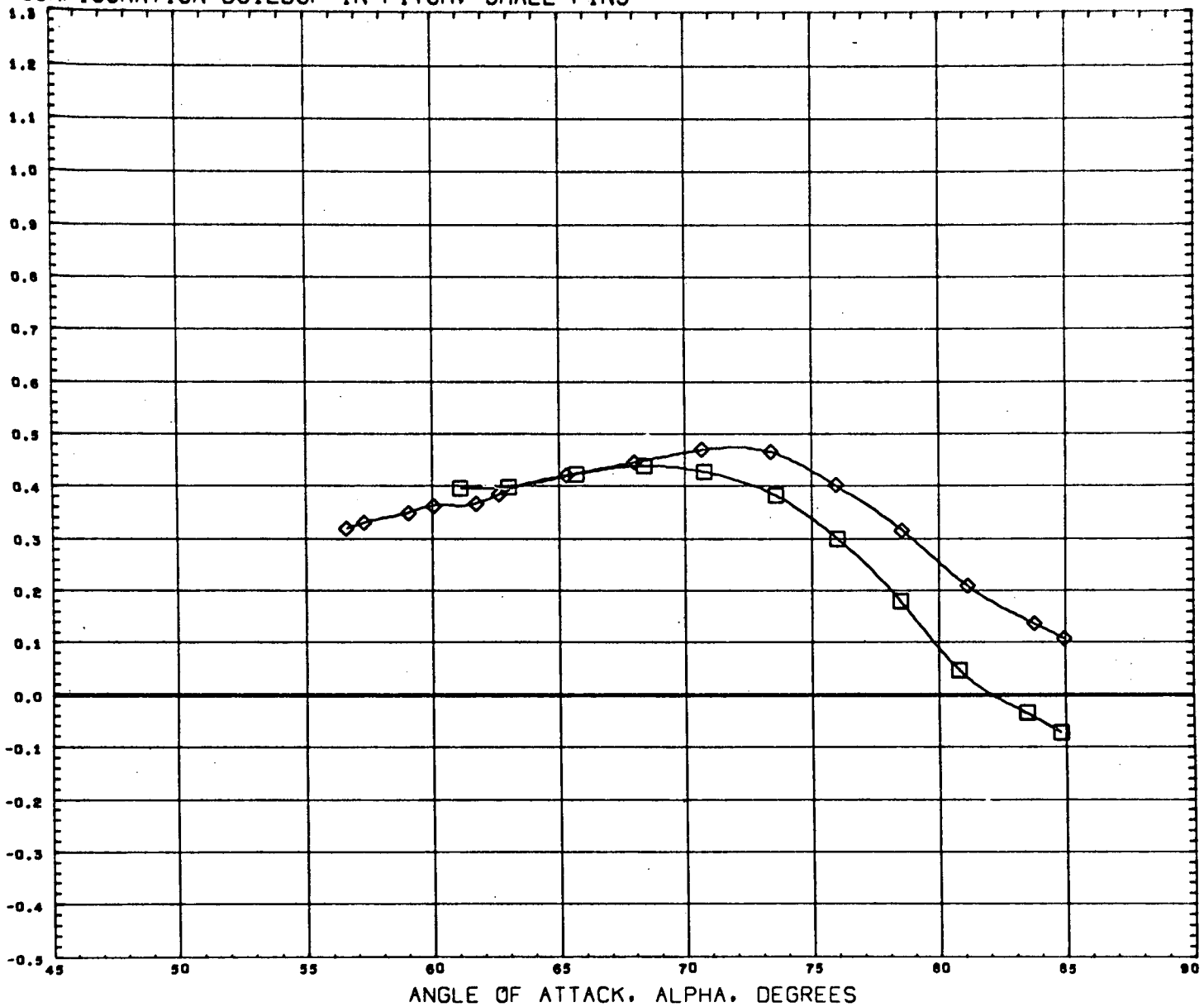
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



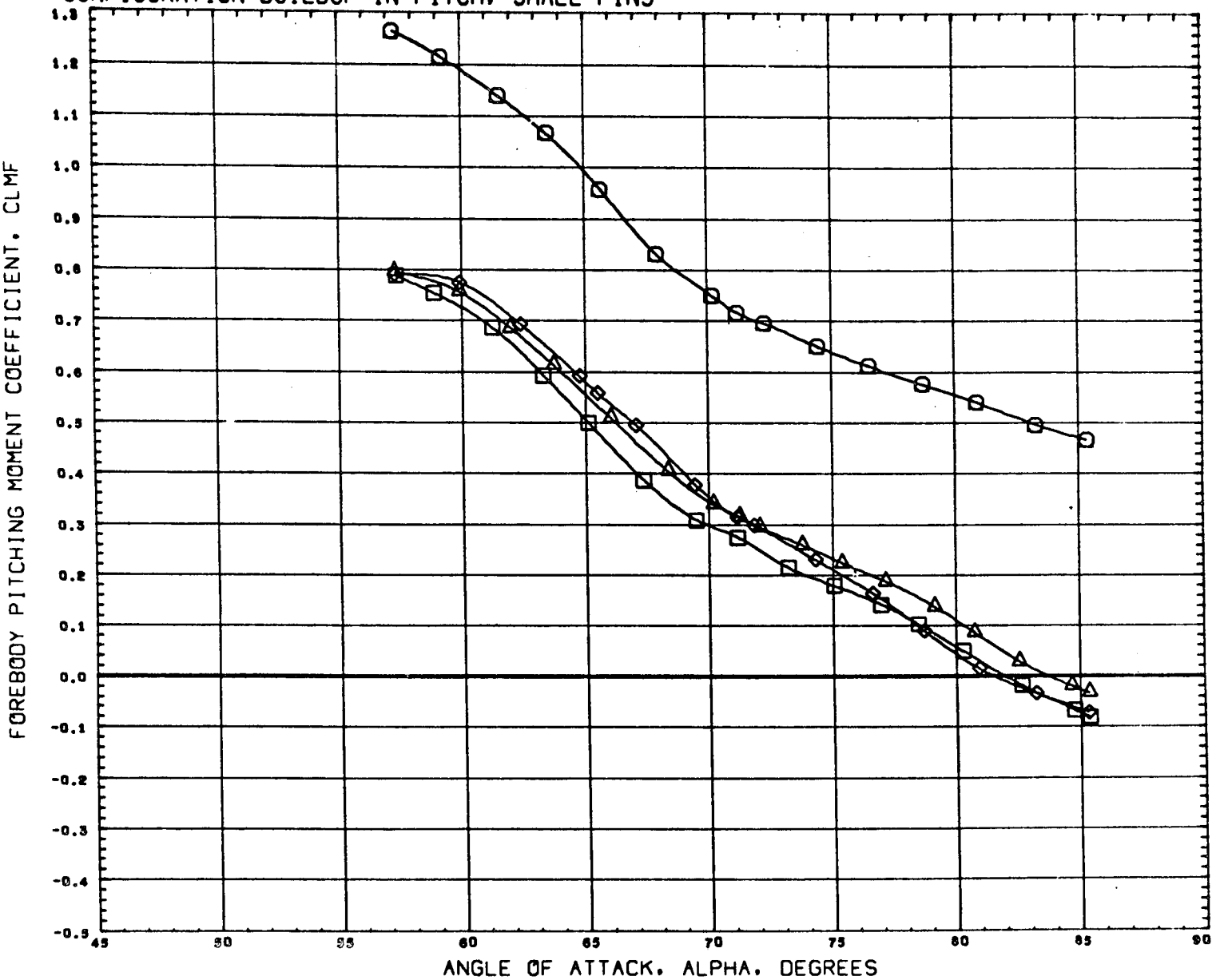
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

C.3

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



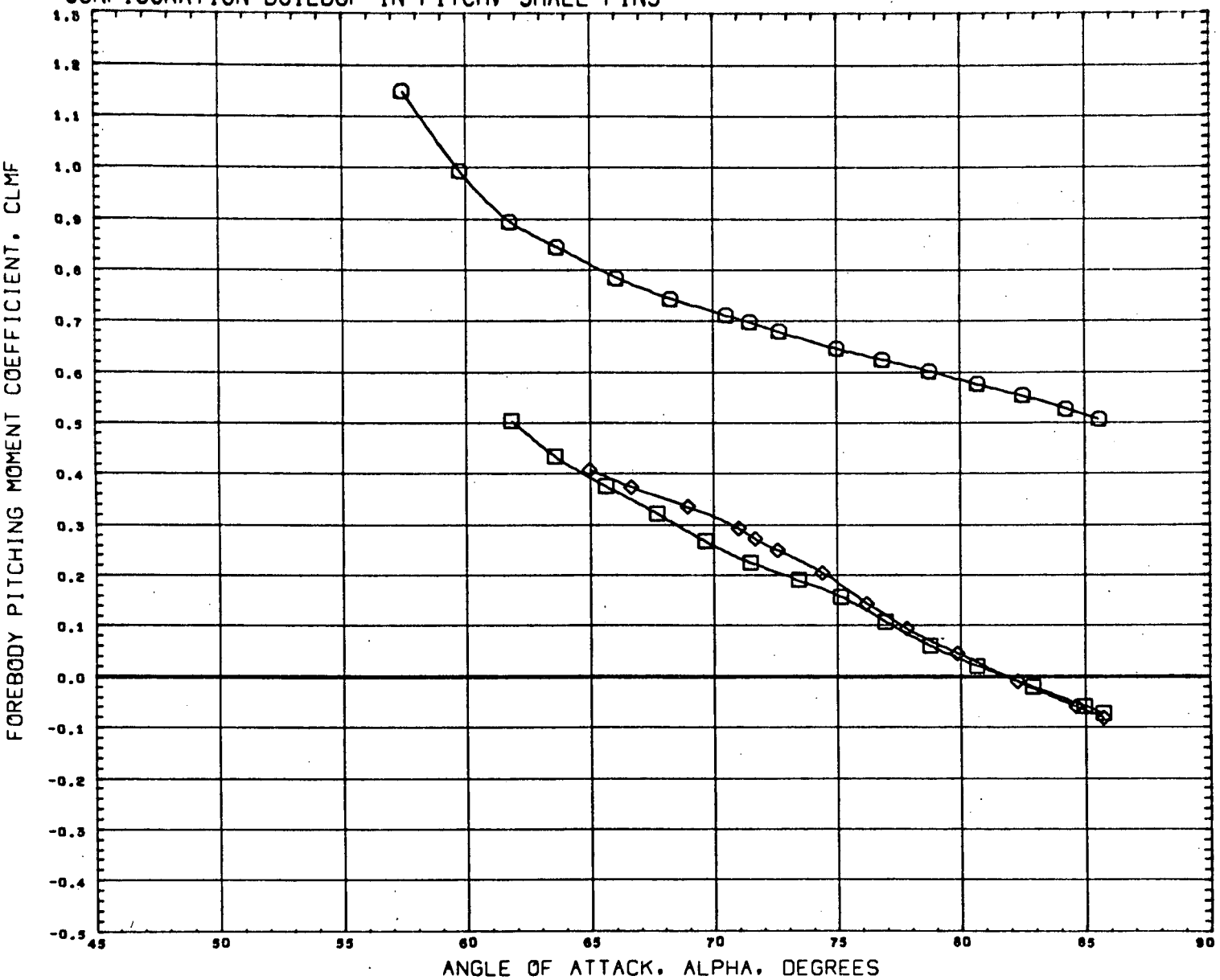
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

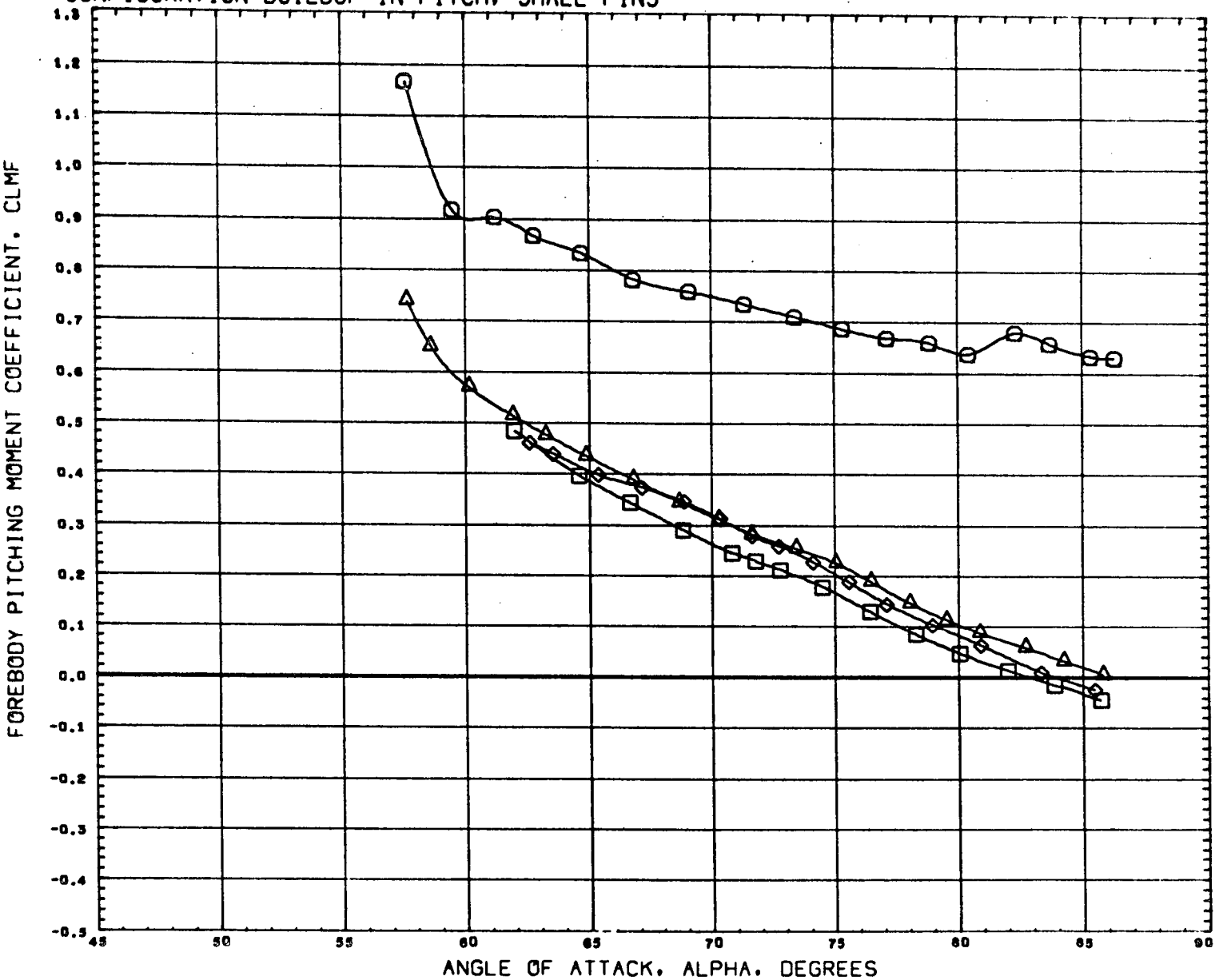


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

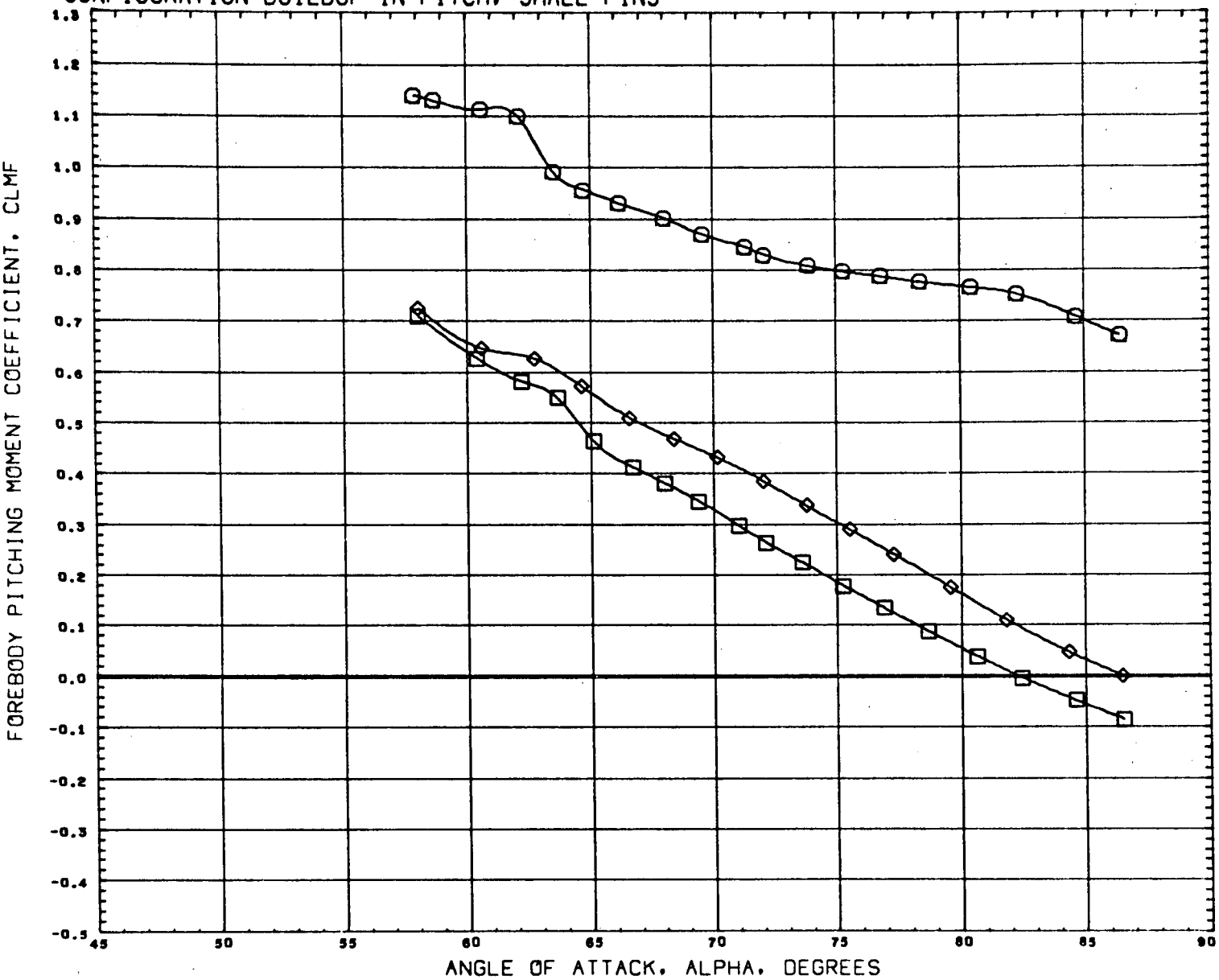


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

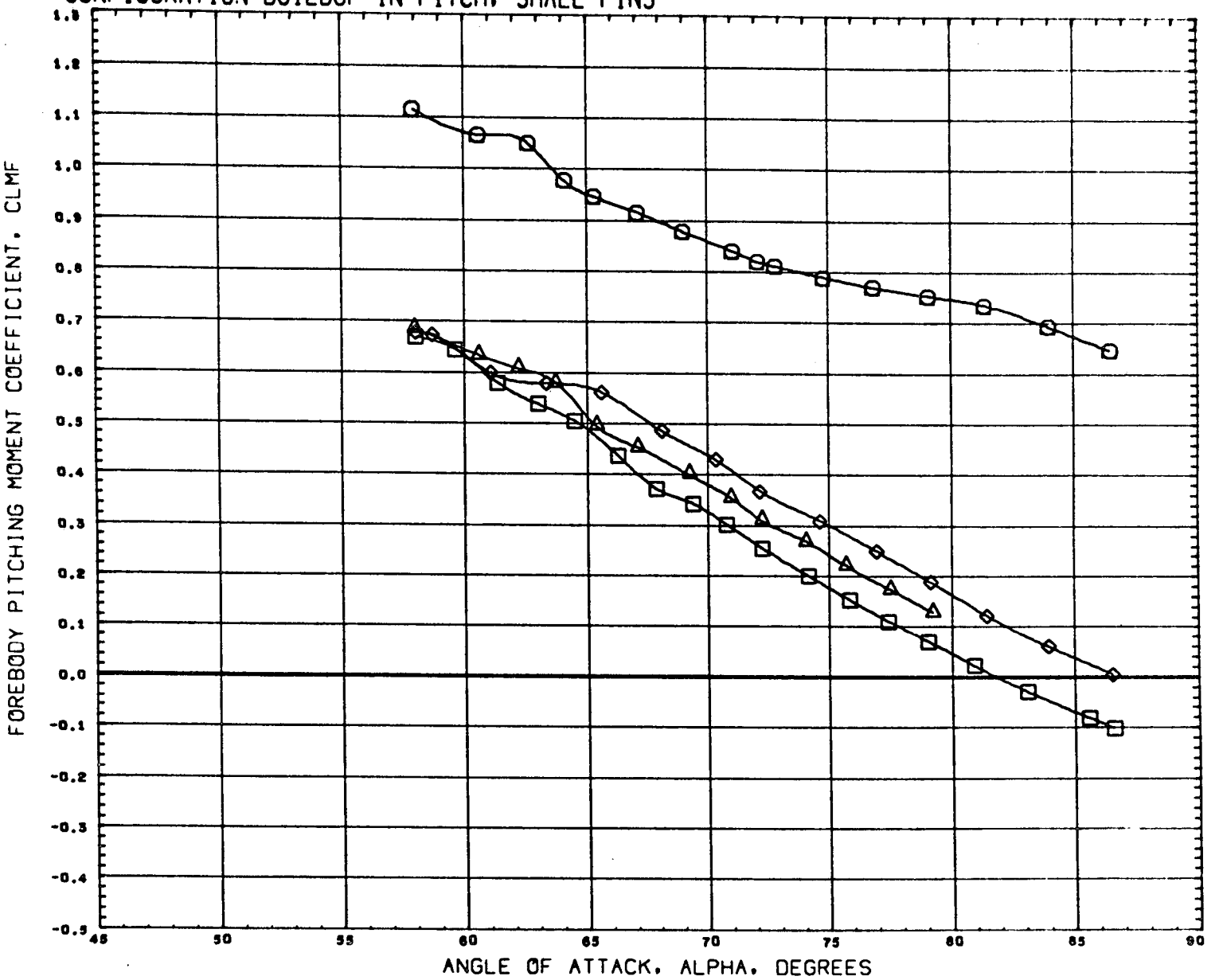


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

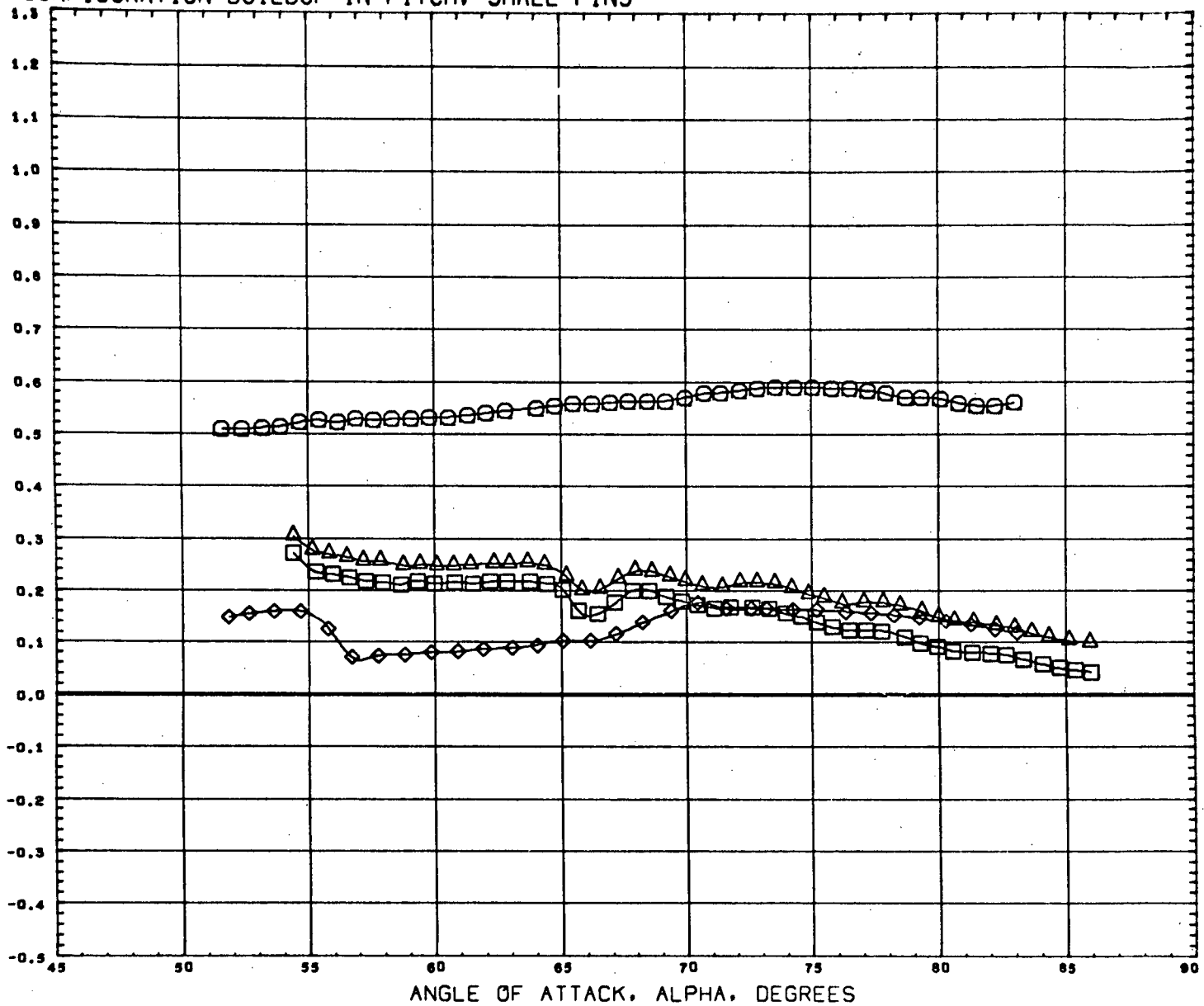


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



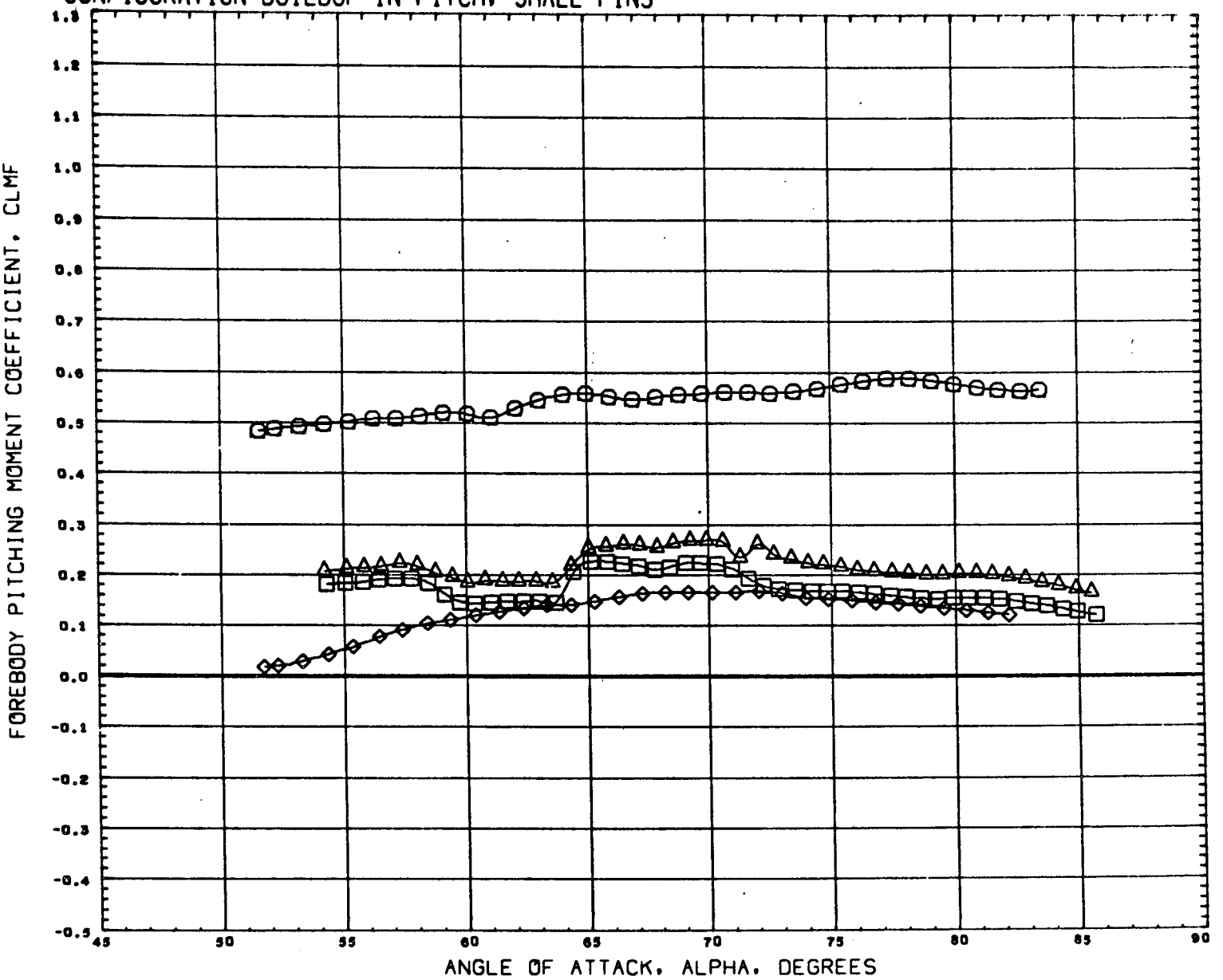
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

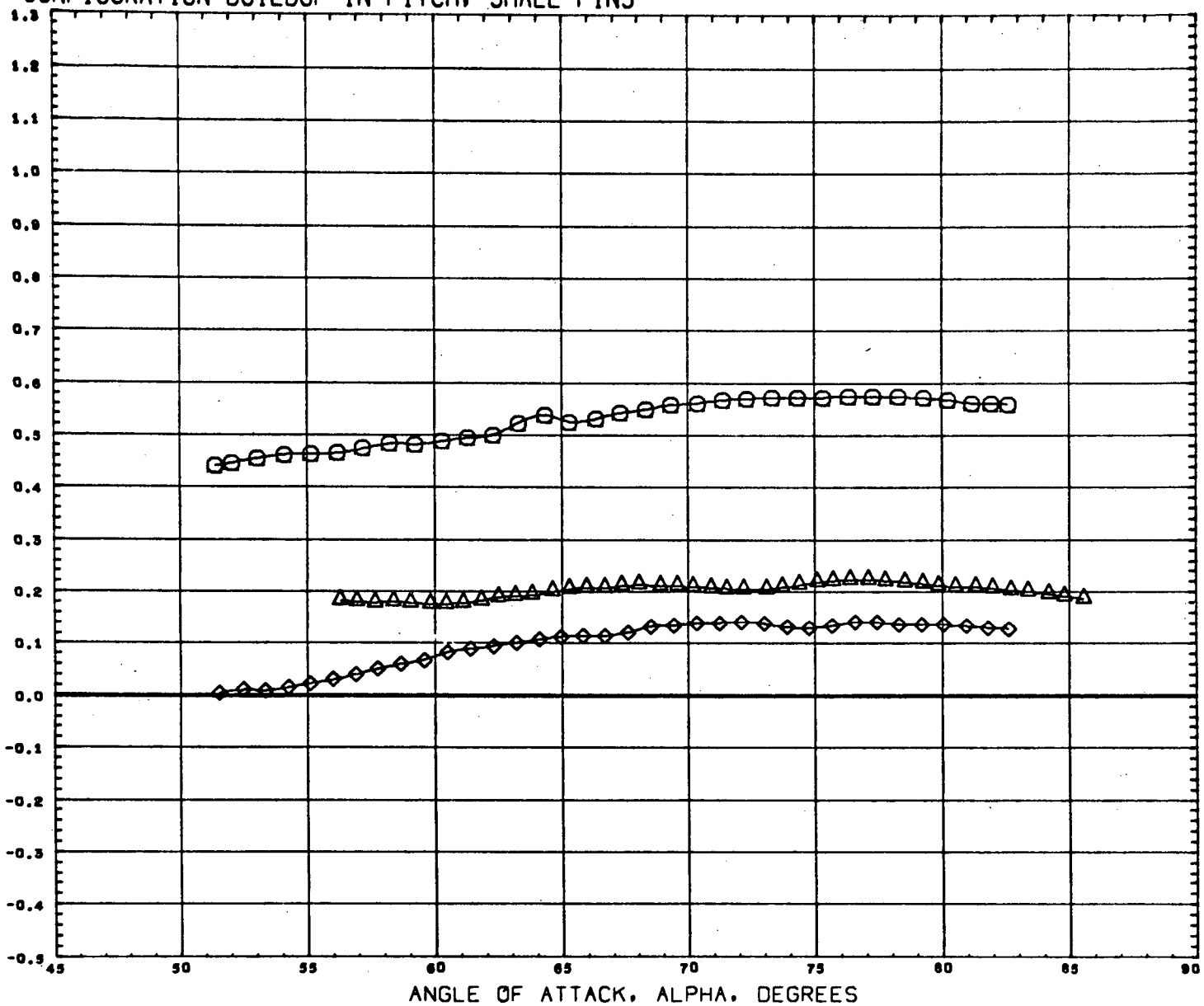


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

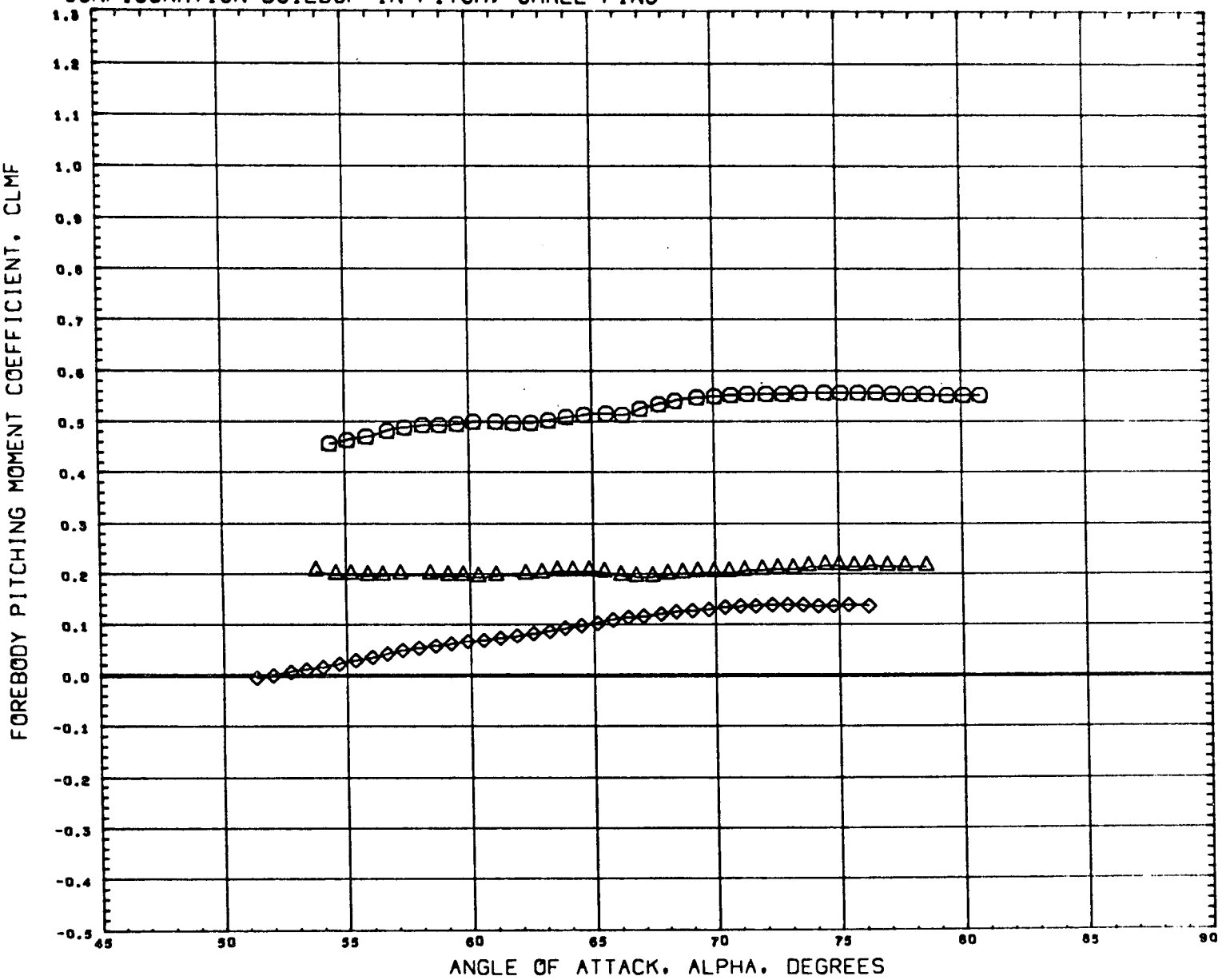


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



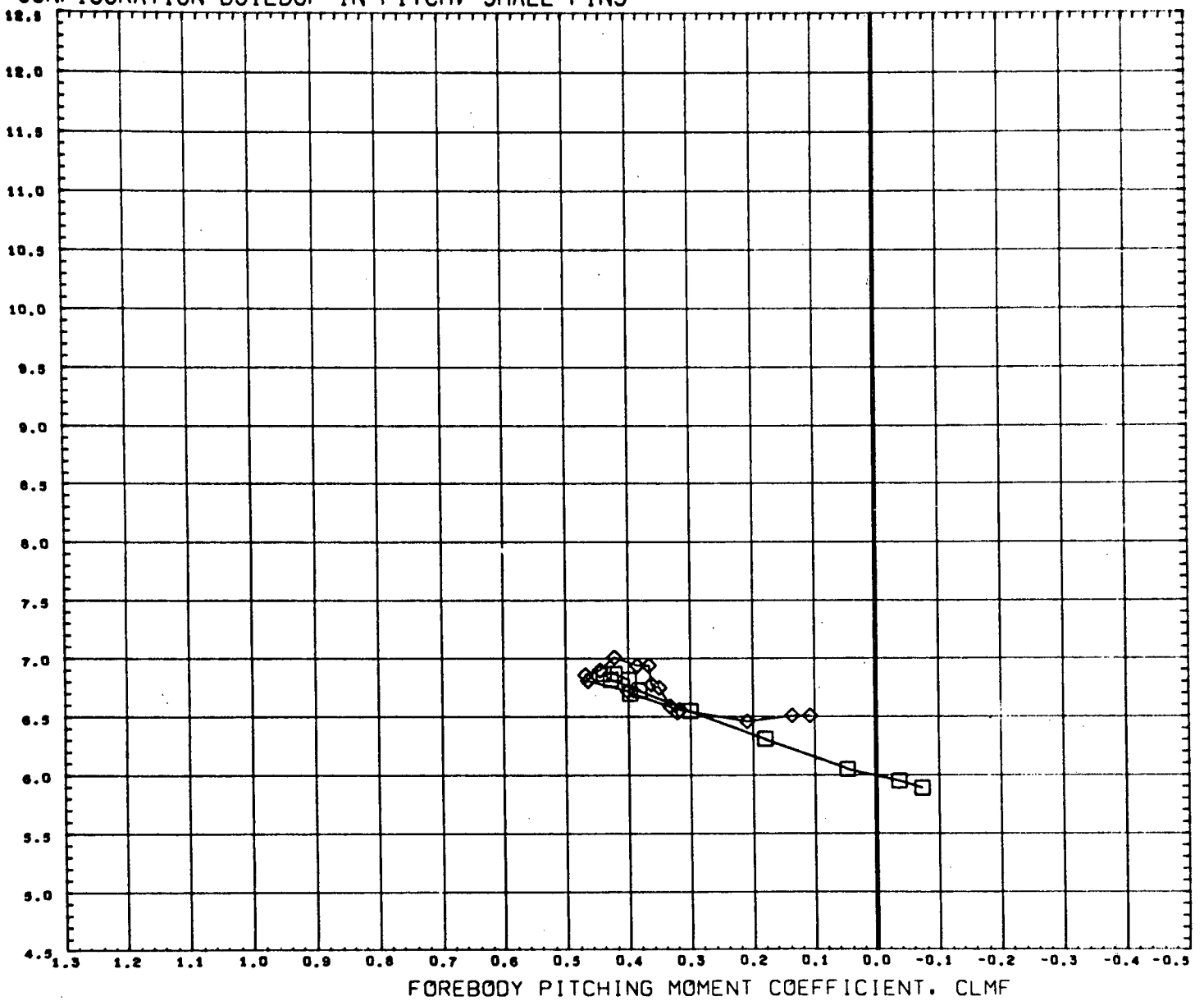
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

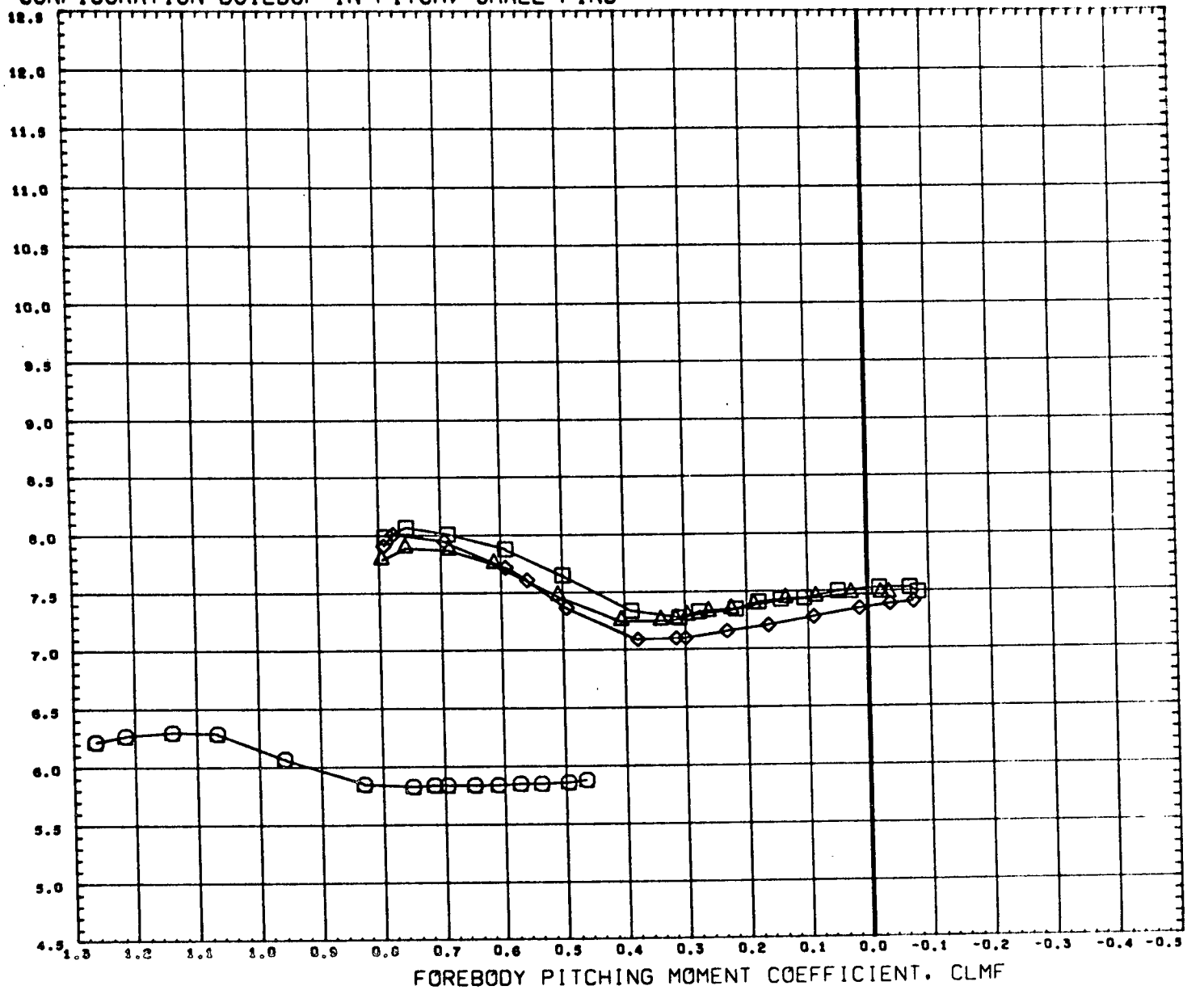


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



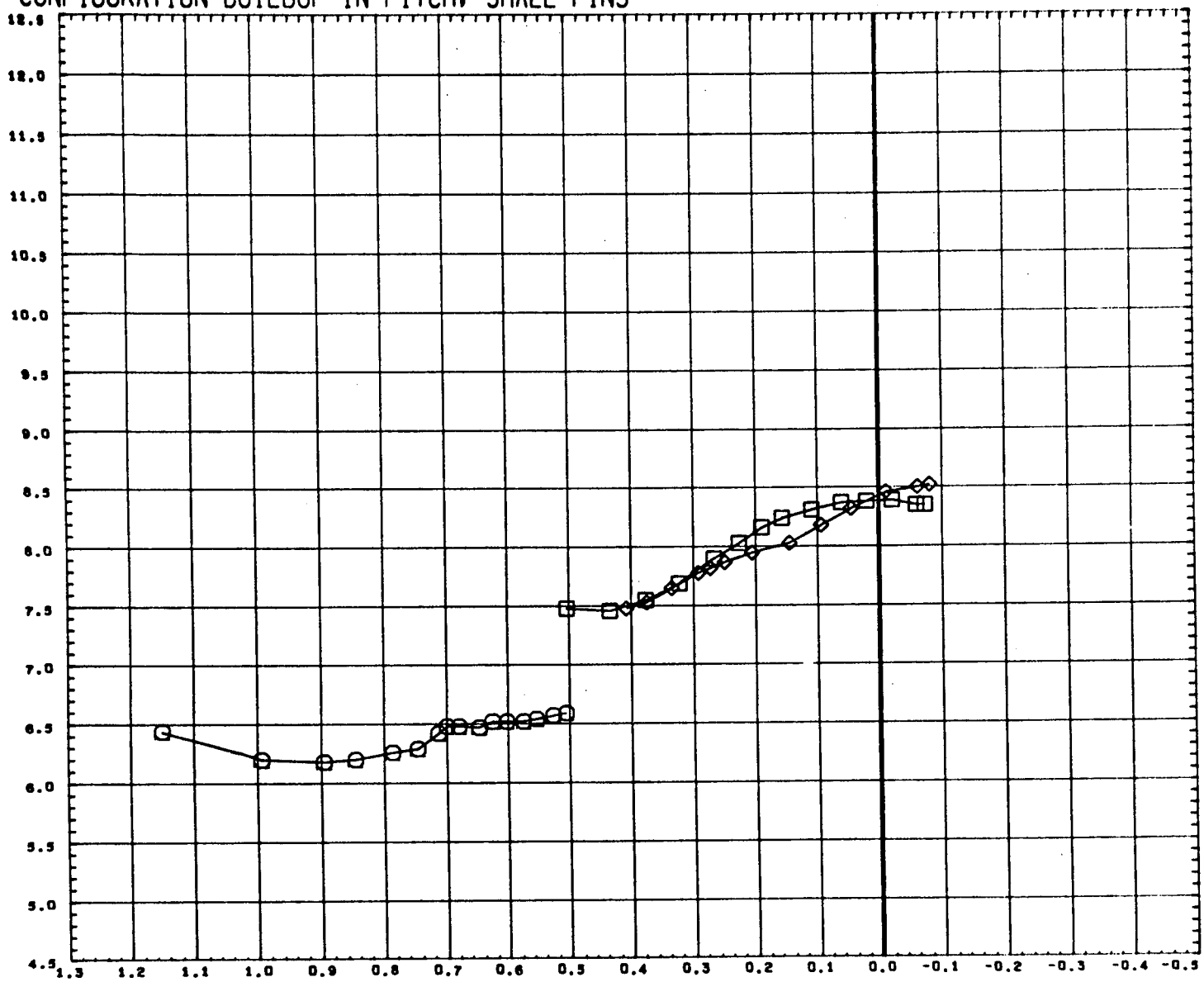
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



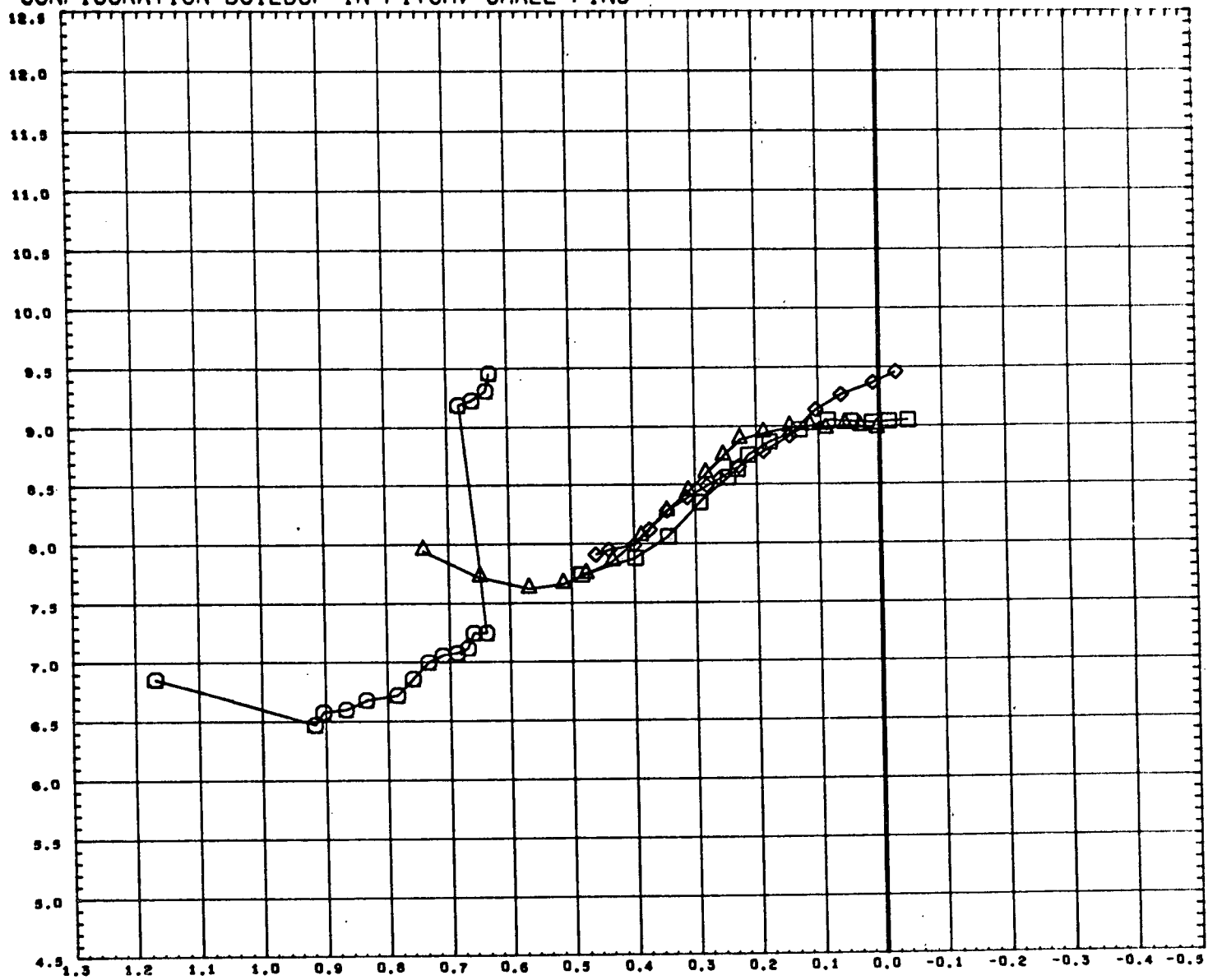
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	⧖	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



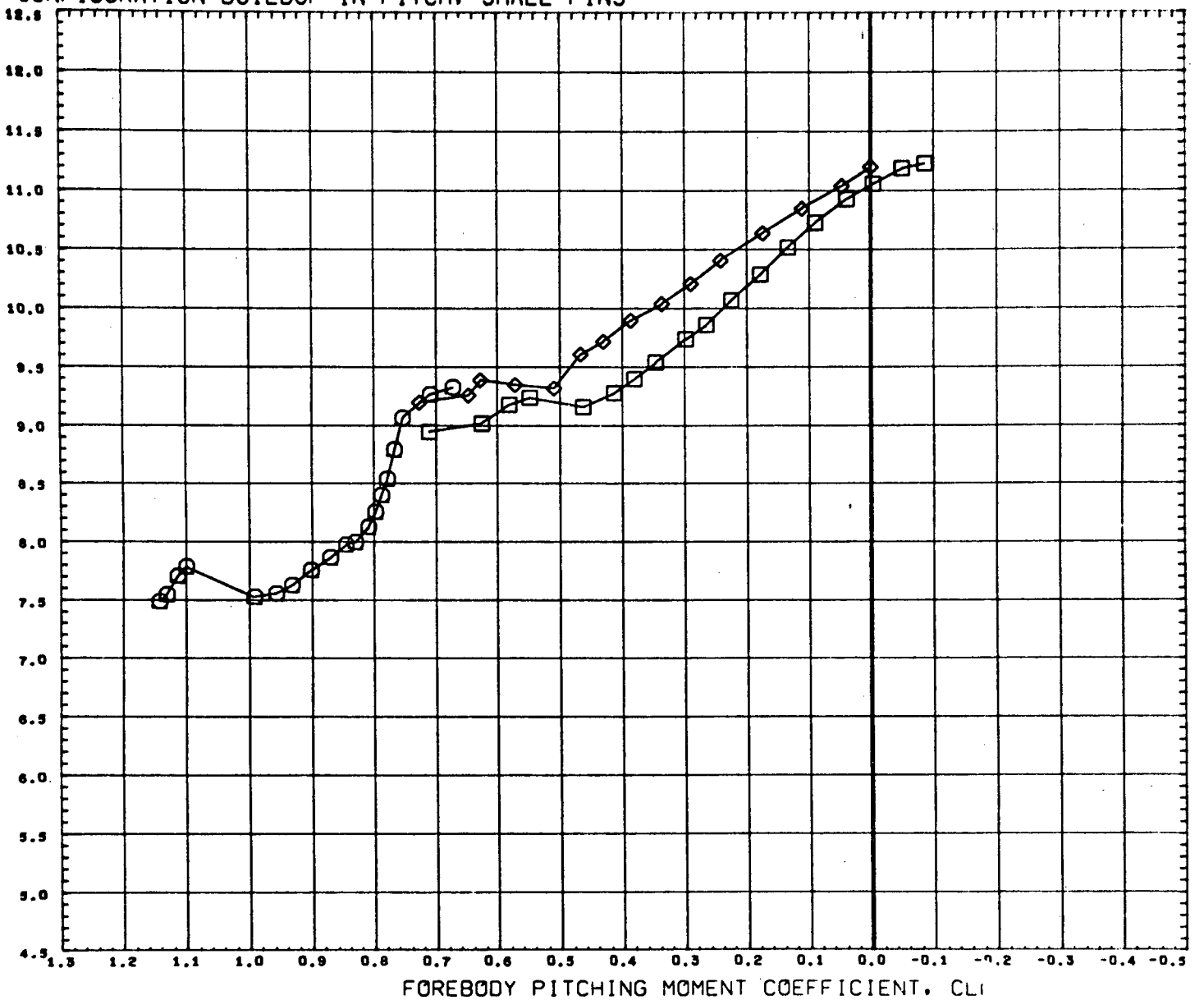
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

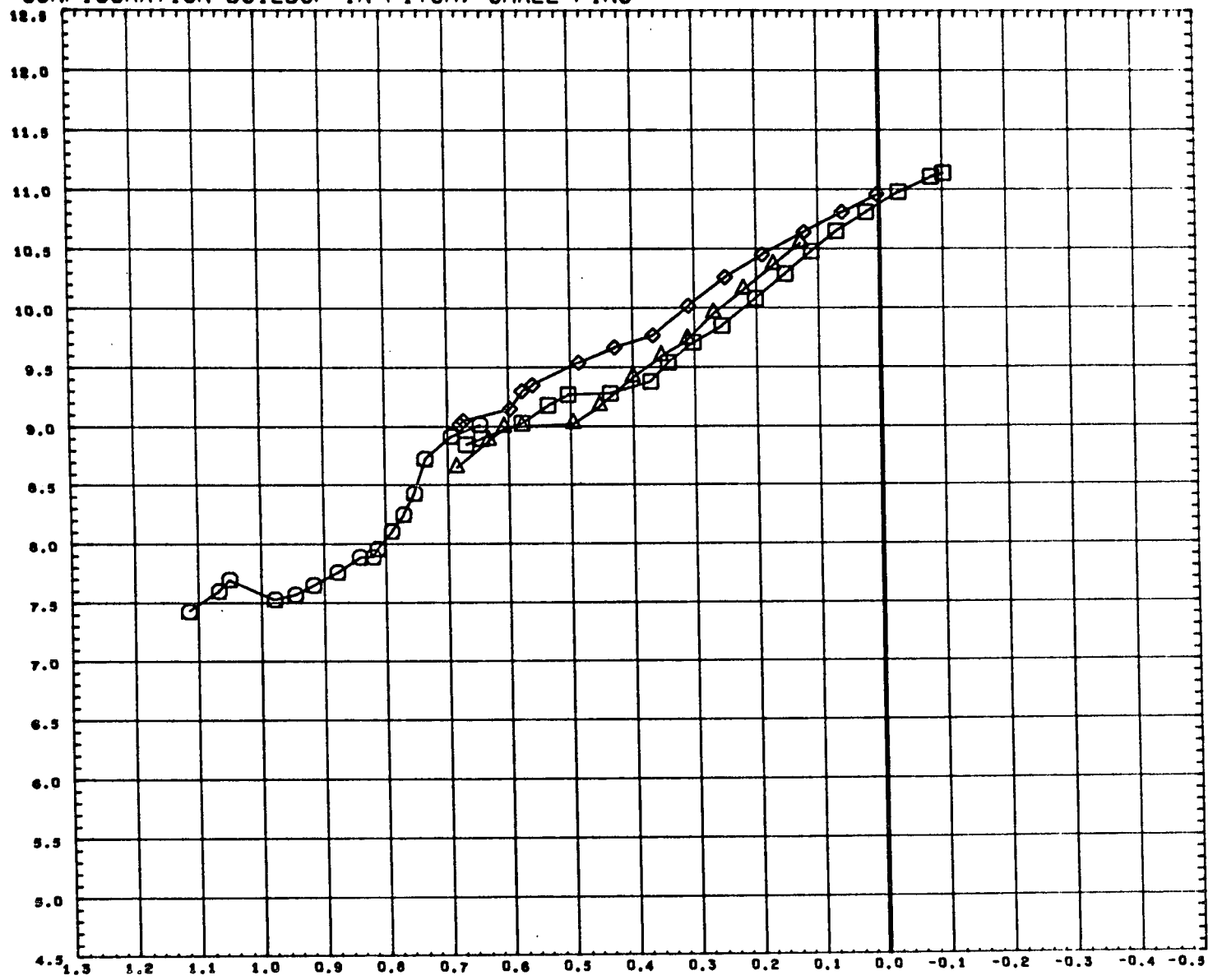


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



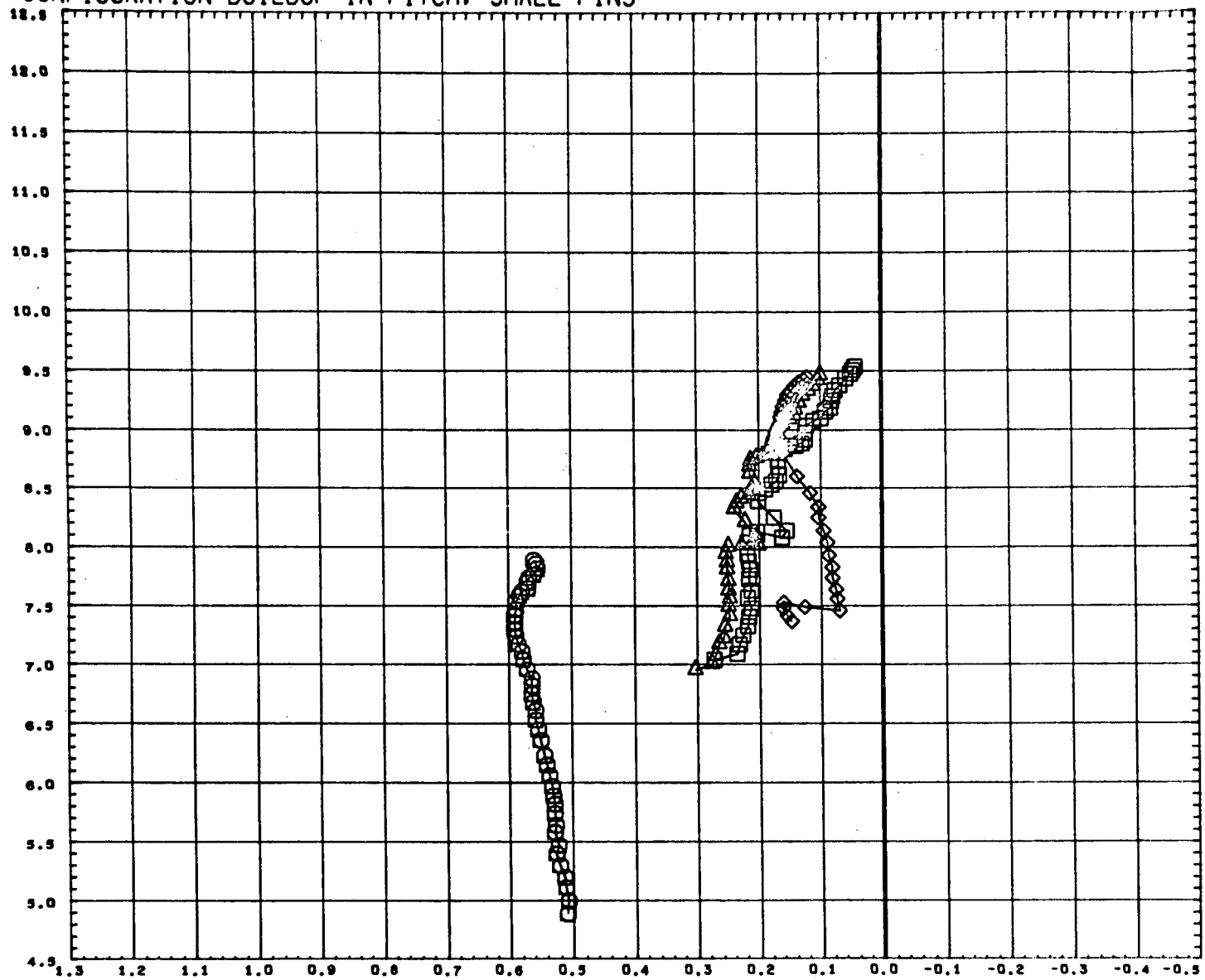
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

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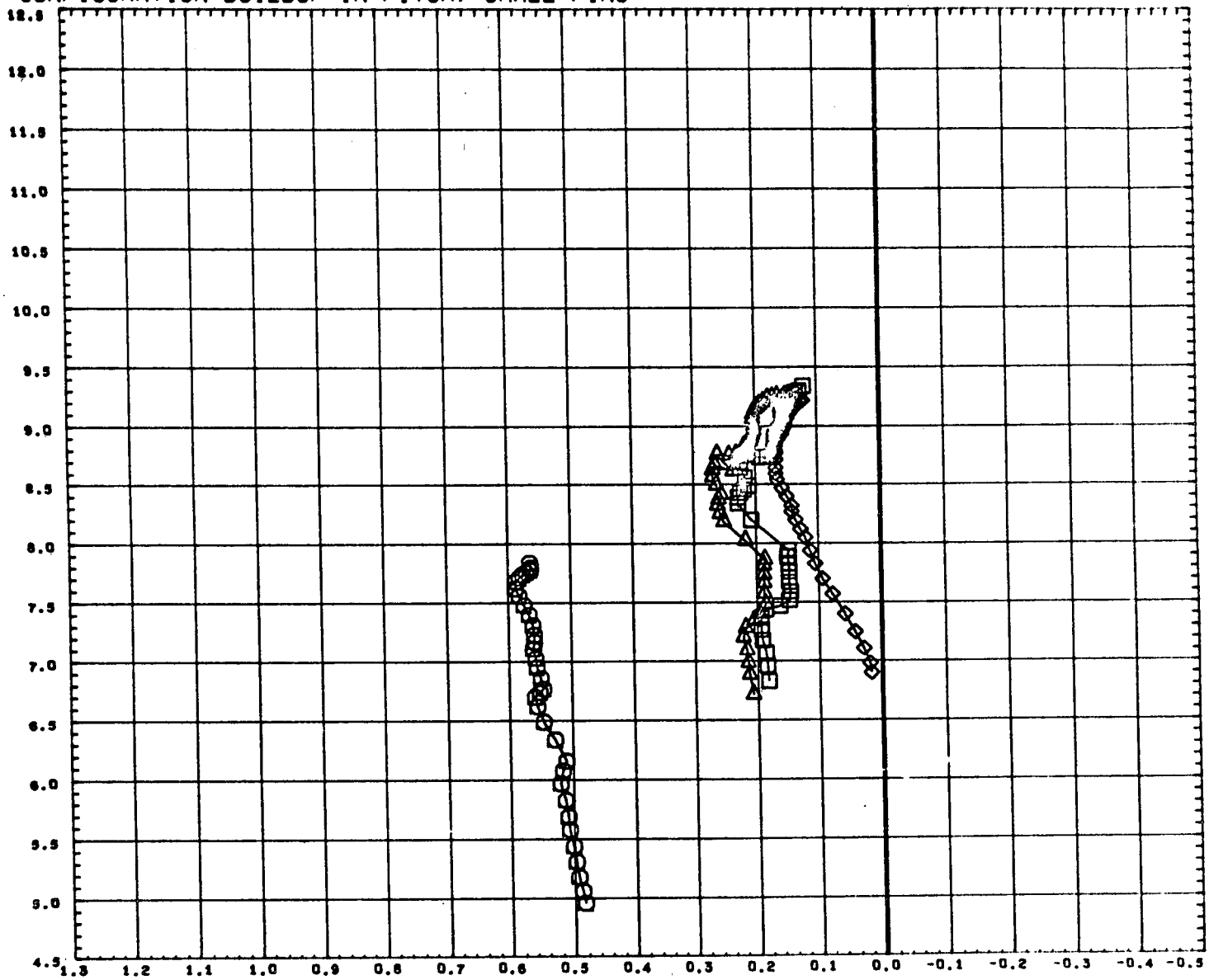
CONFIGURATION BUILDUP IN PITCH, SMALL FINS



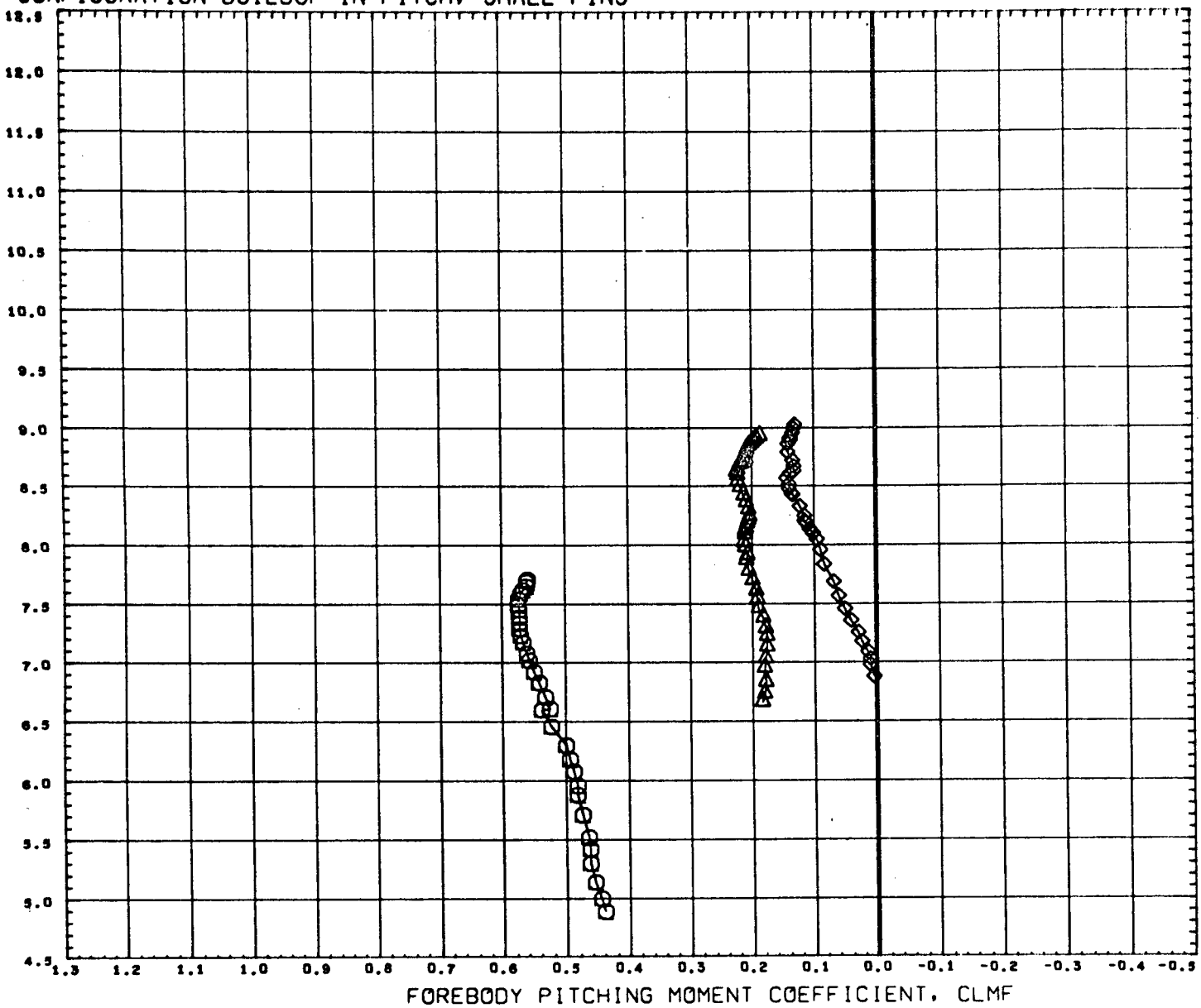
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



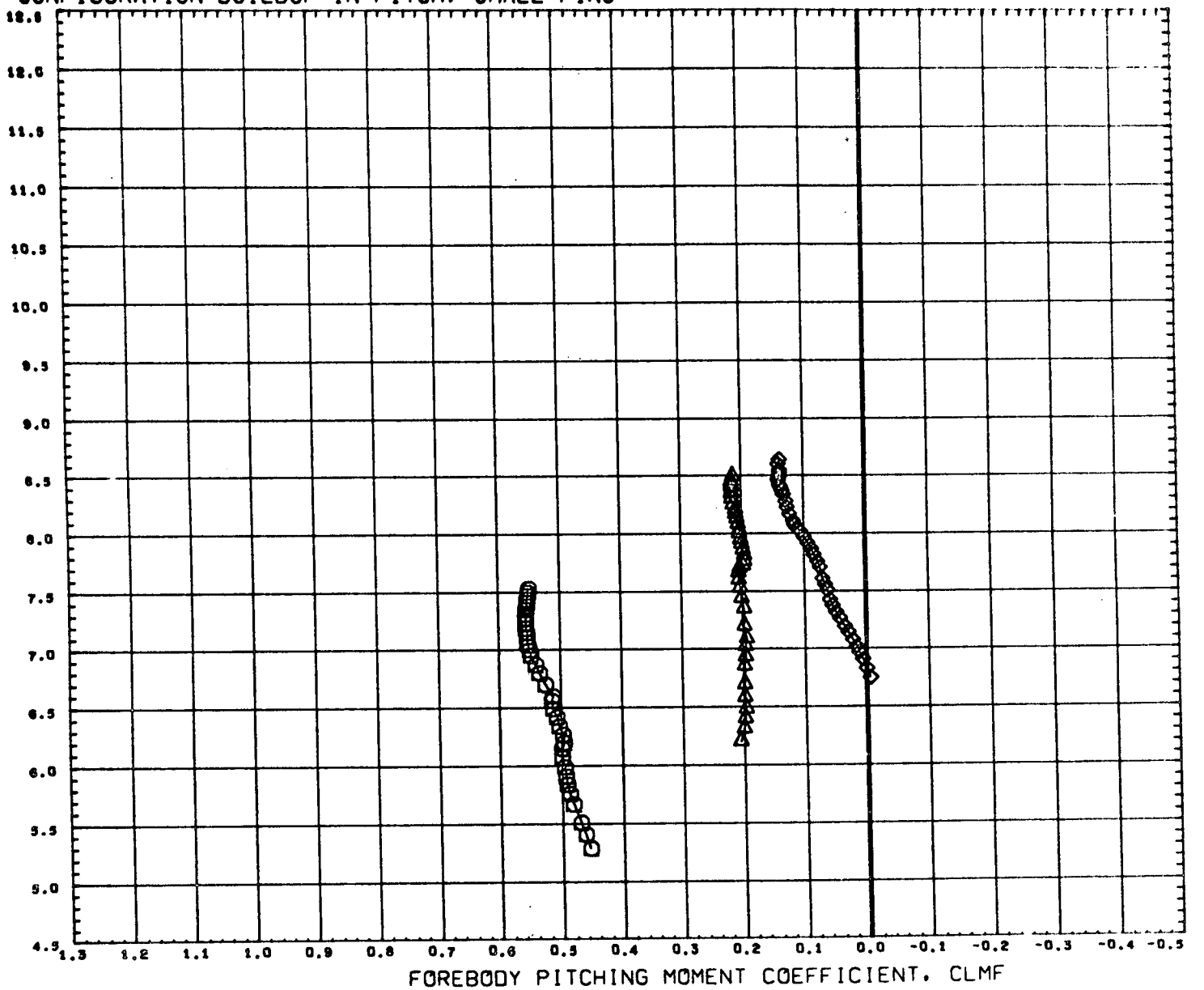
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	⊠	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



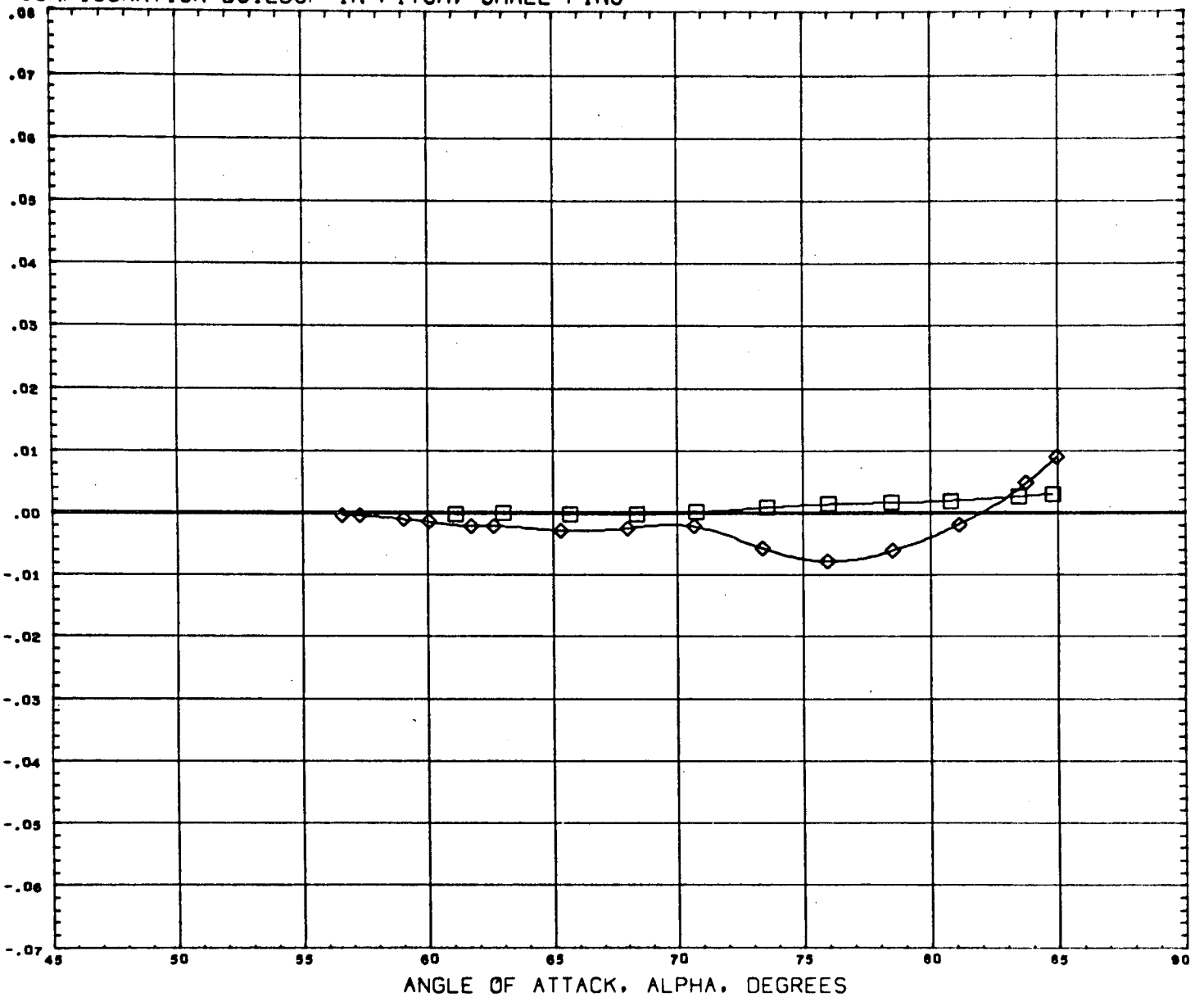
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1.	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

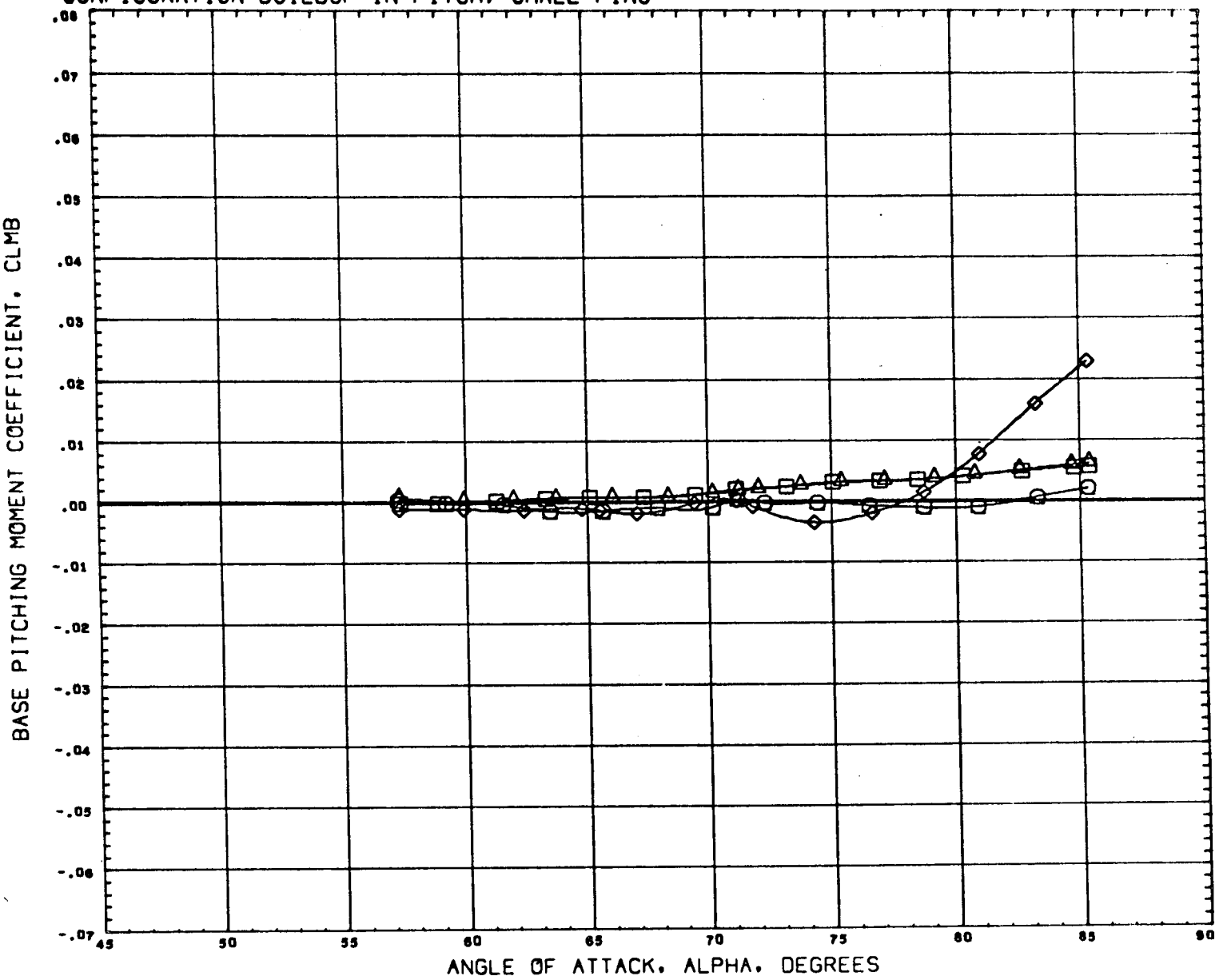


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



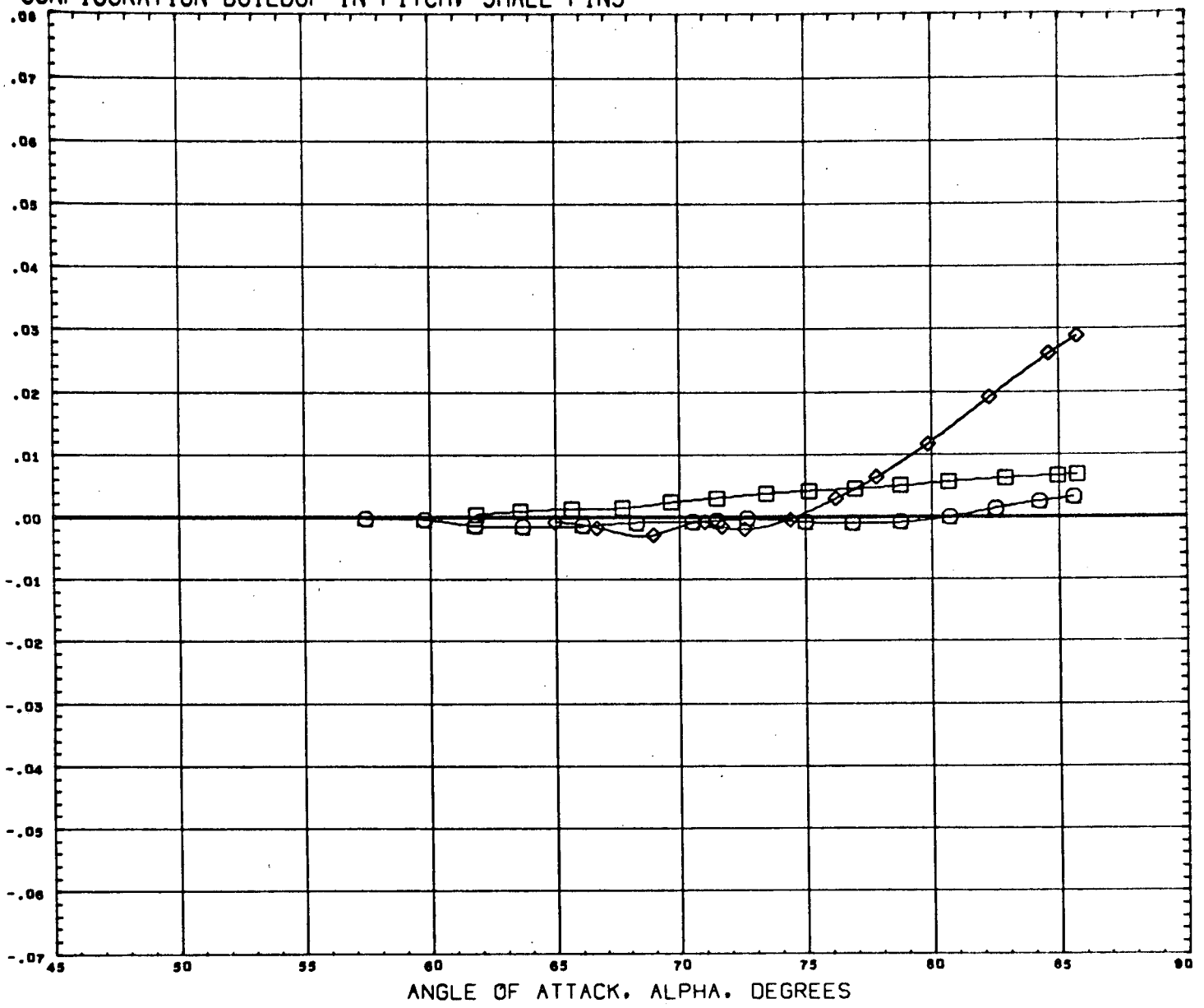
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

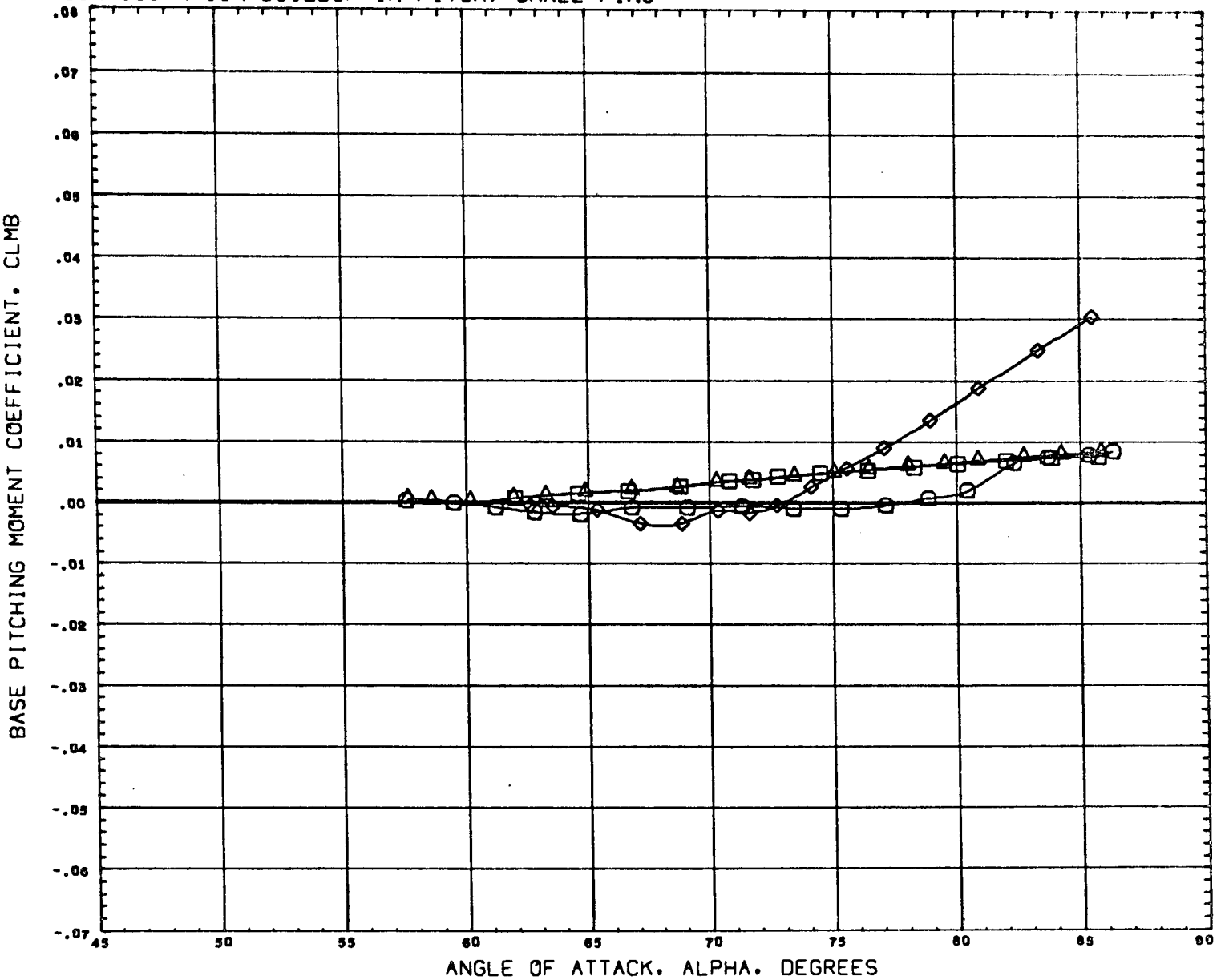


DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



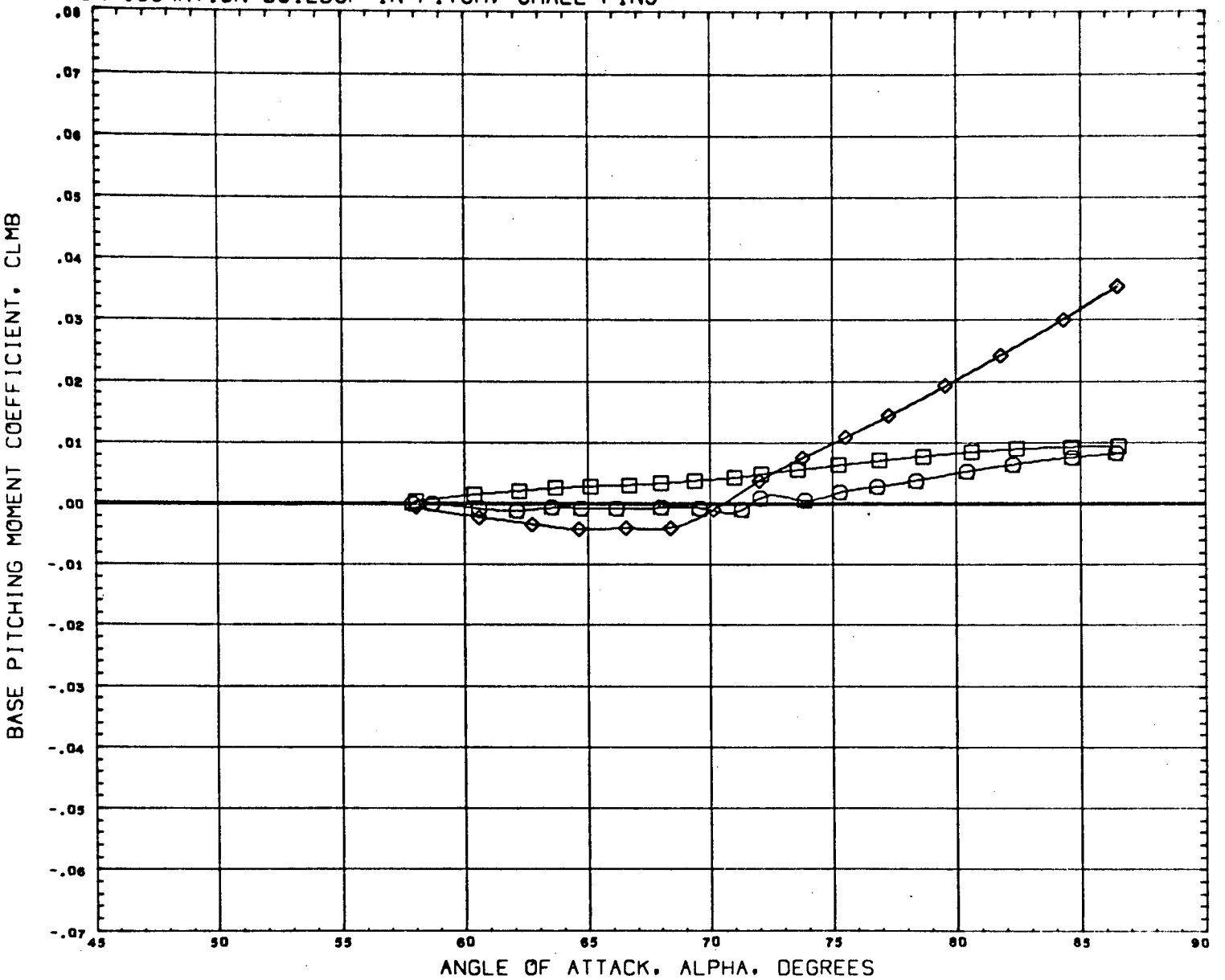
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



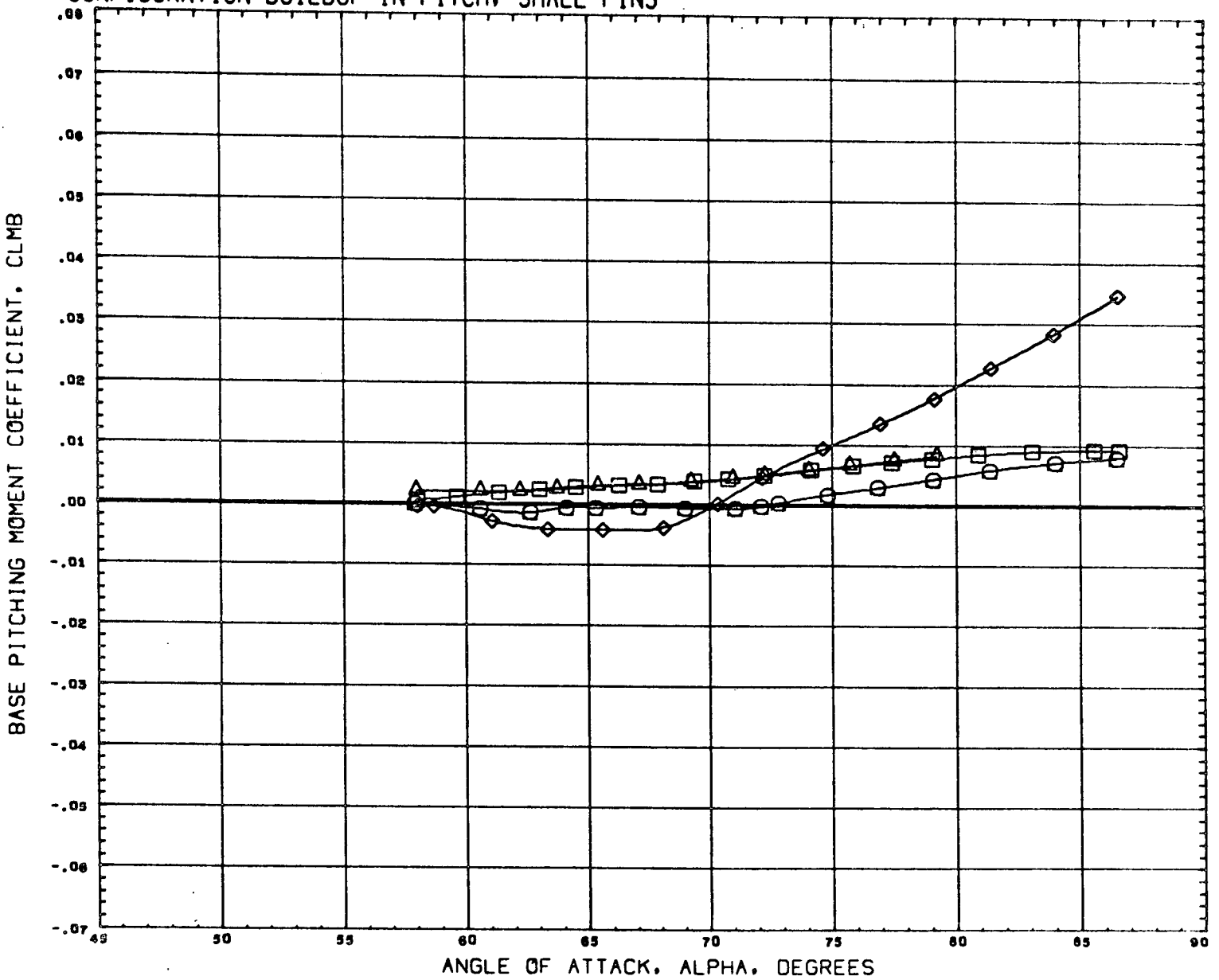
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

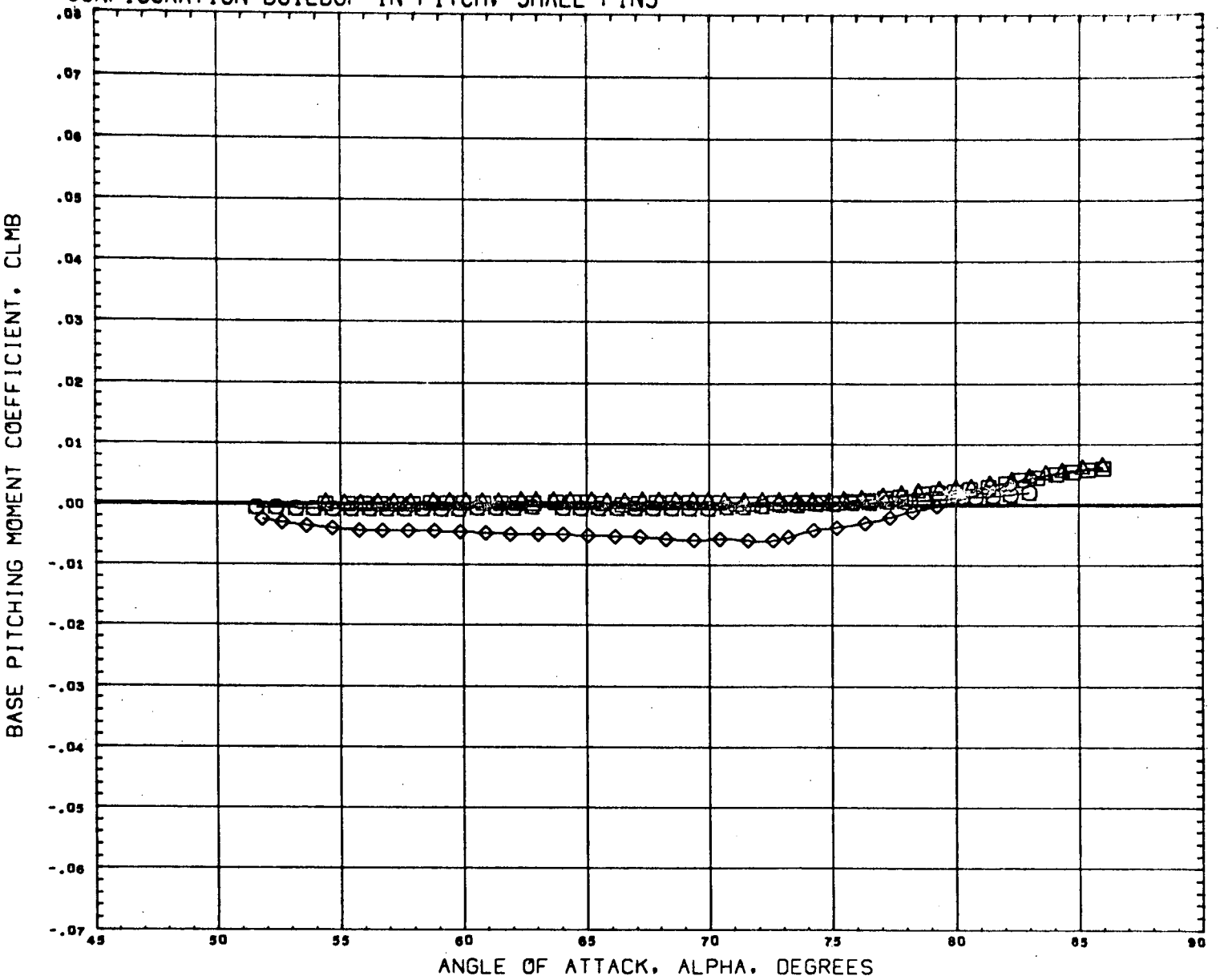


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

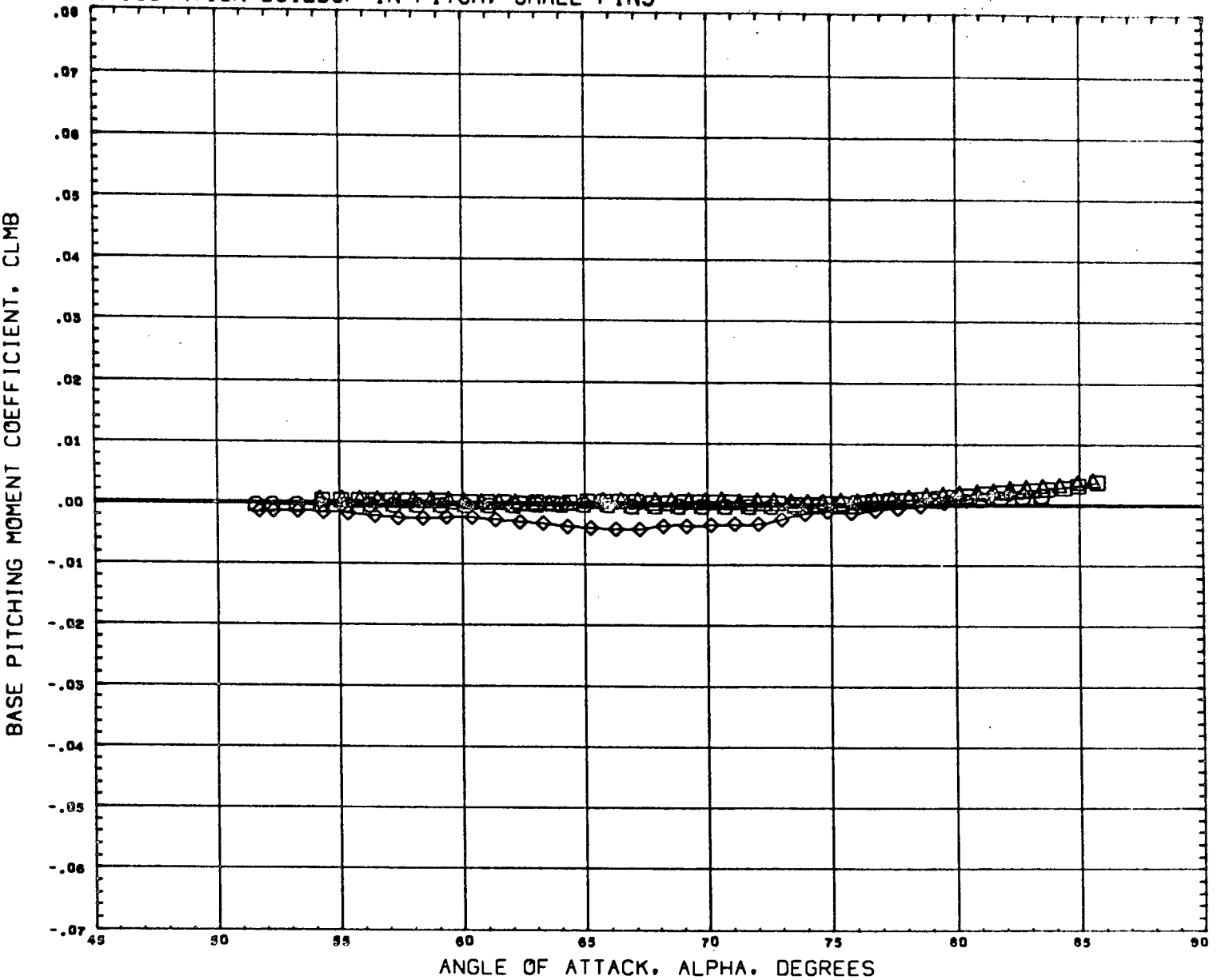


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



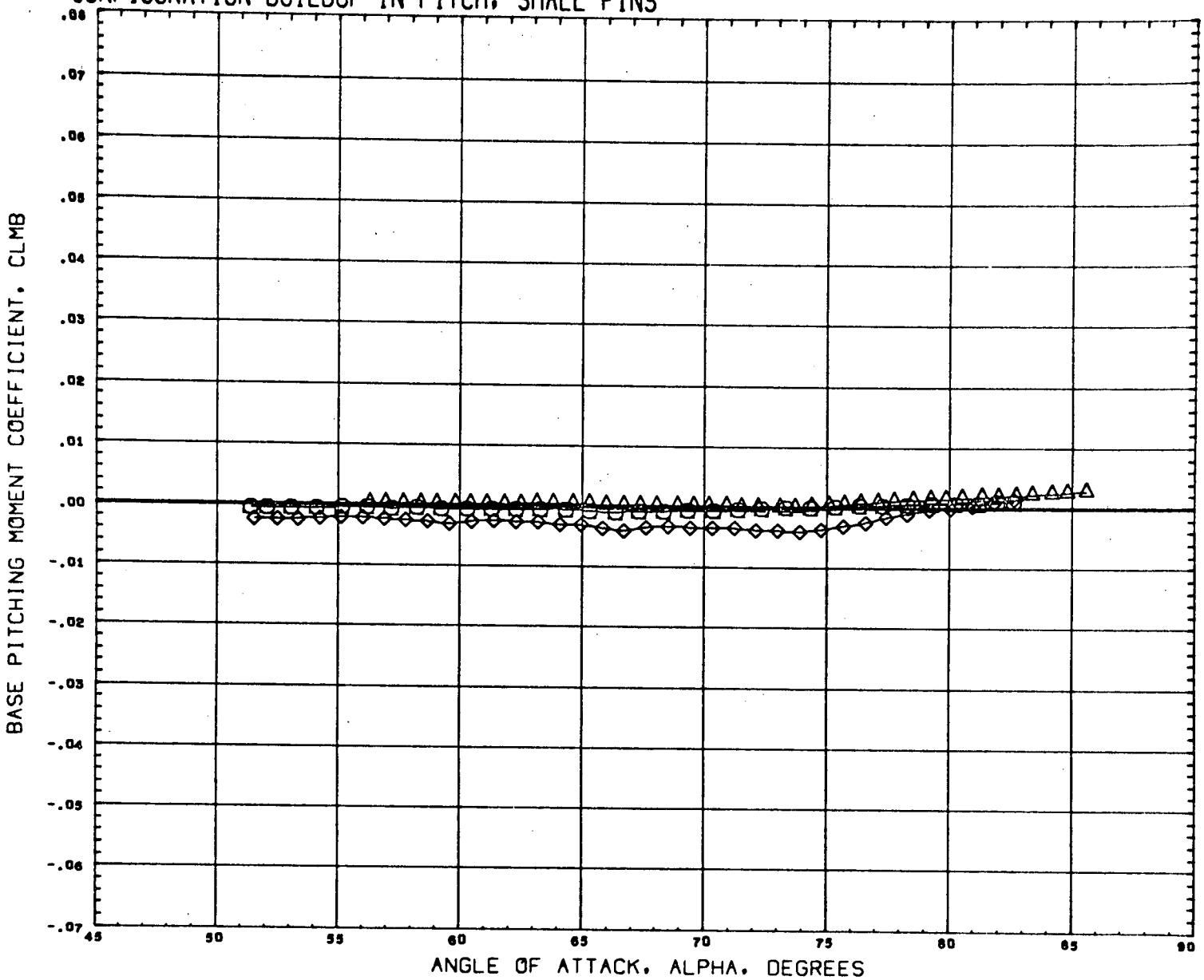
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



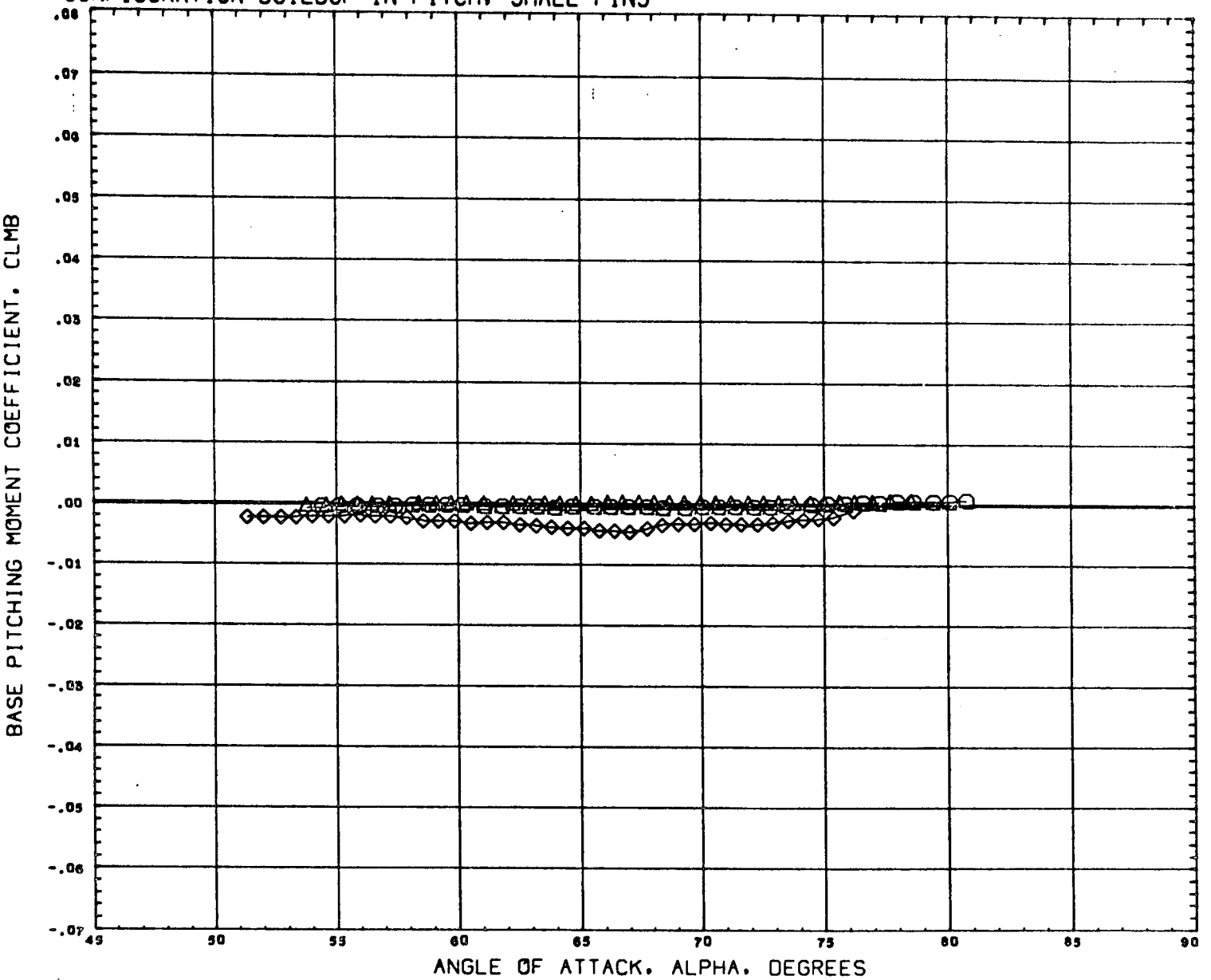
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



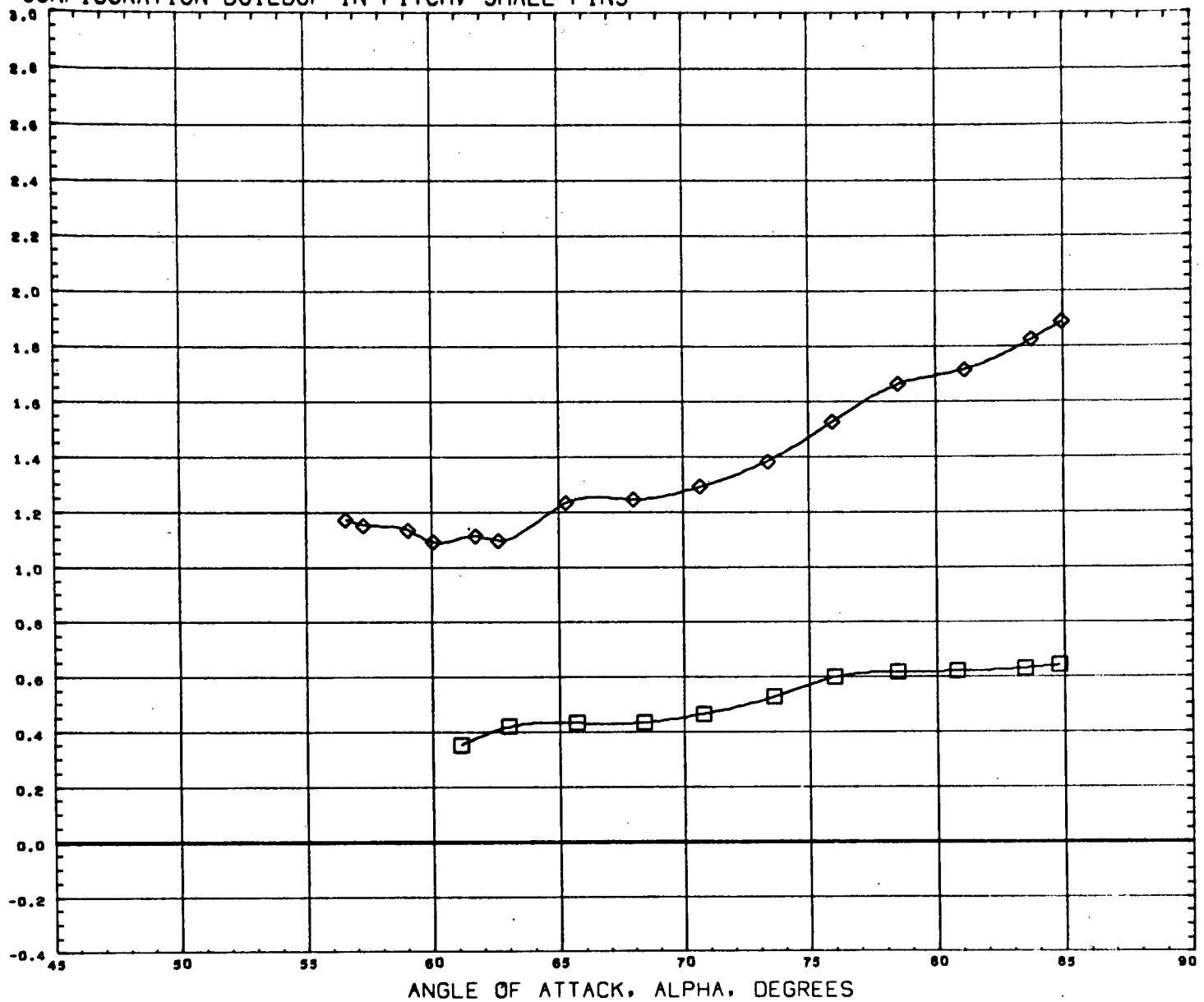
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



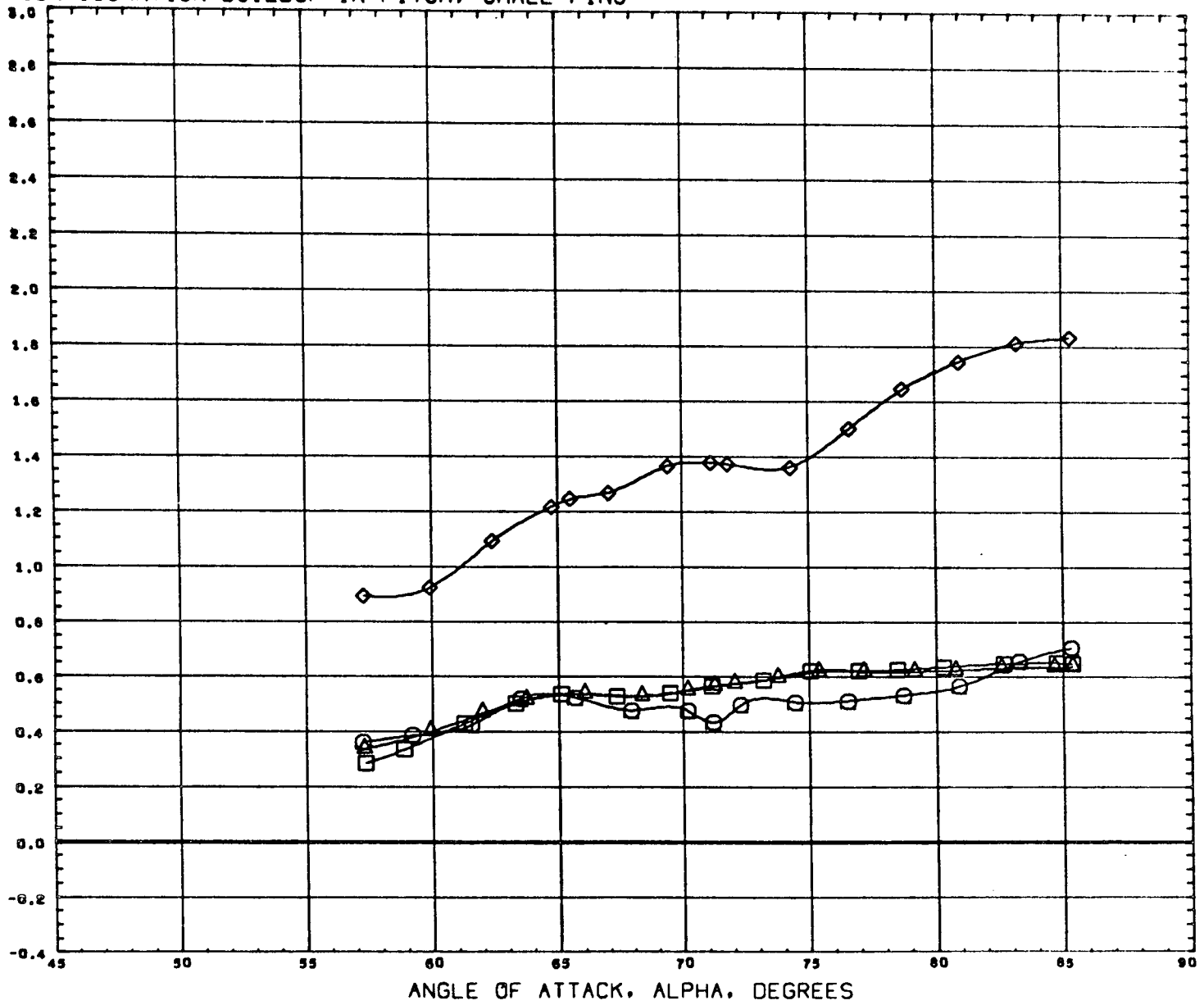
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)		DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(CD4061)		DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH .60

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

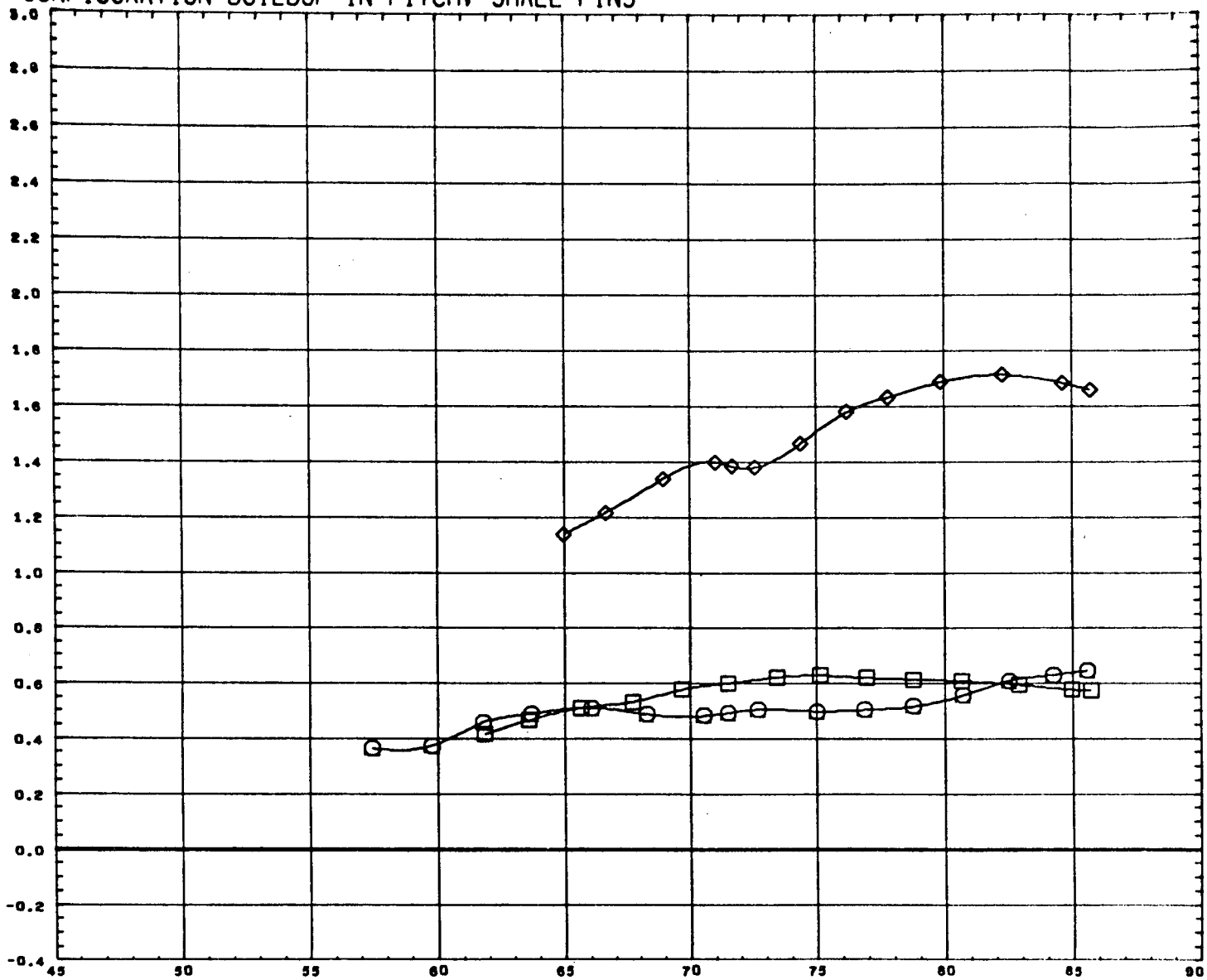


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

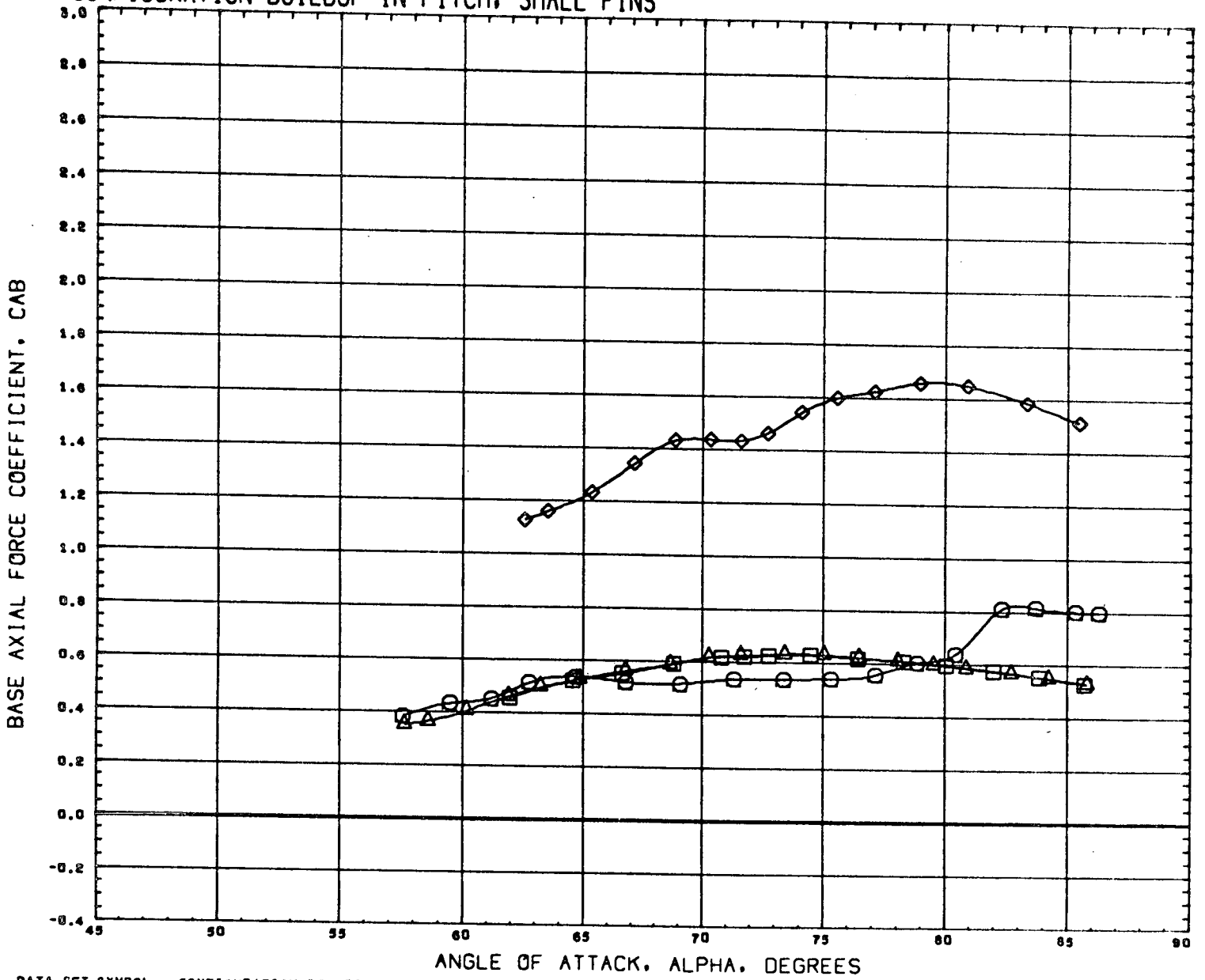


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	⊠	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



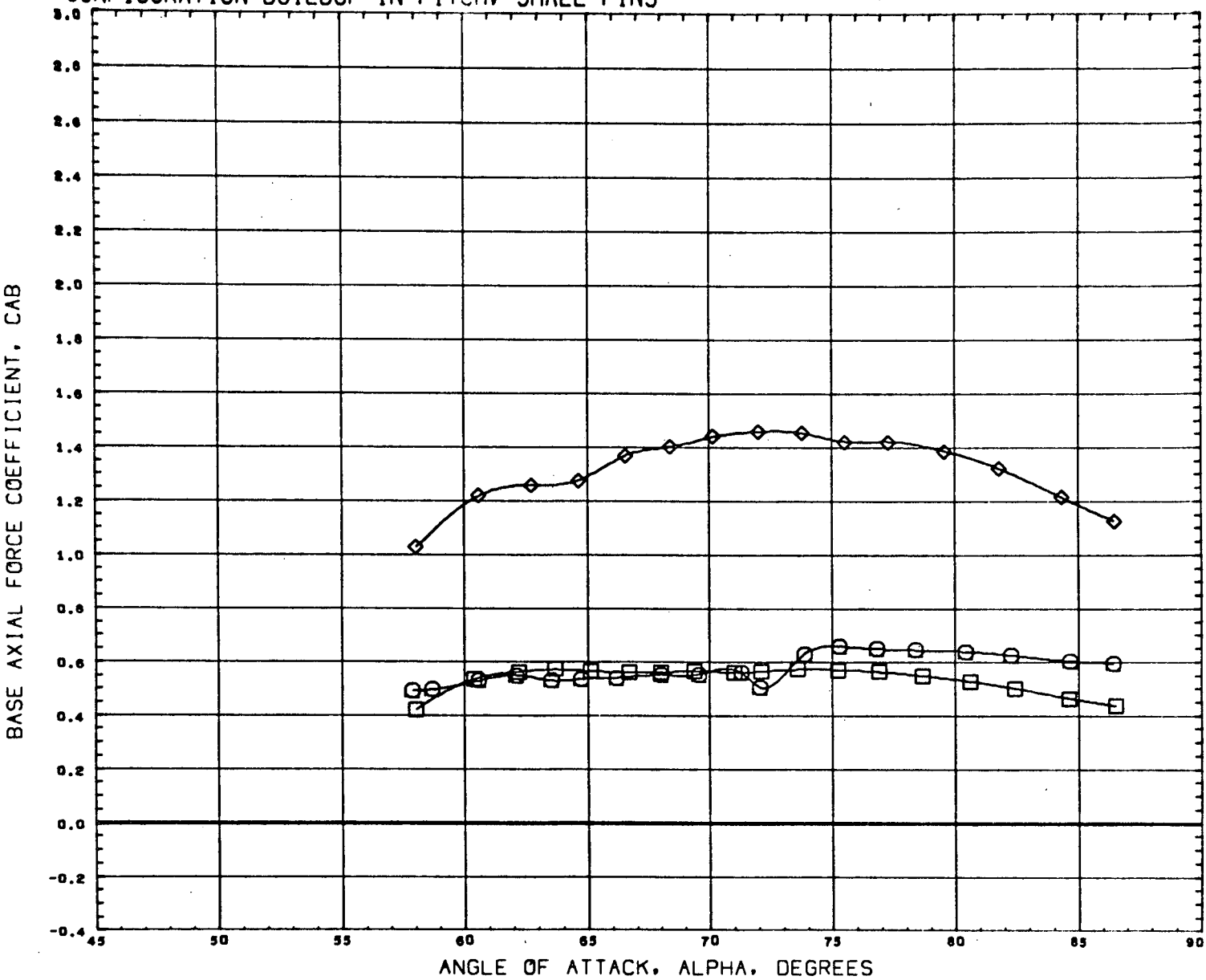
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

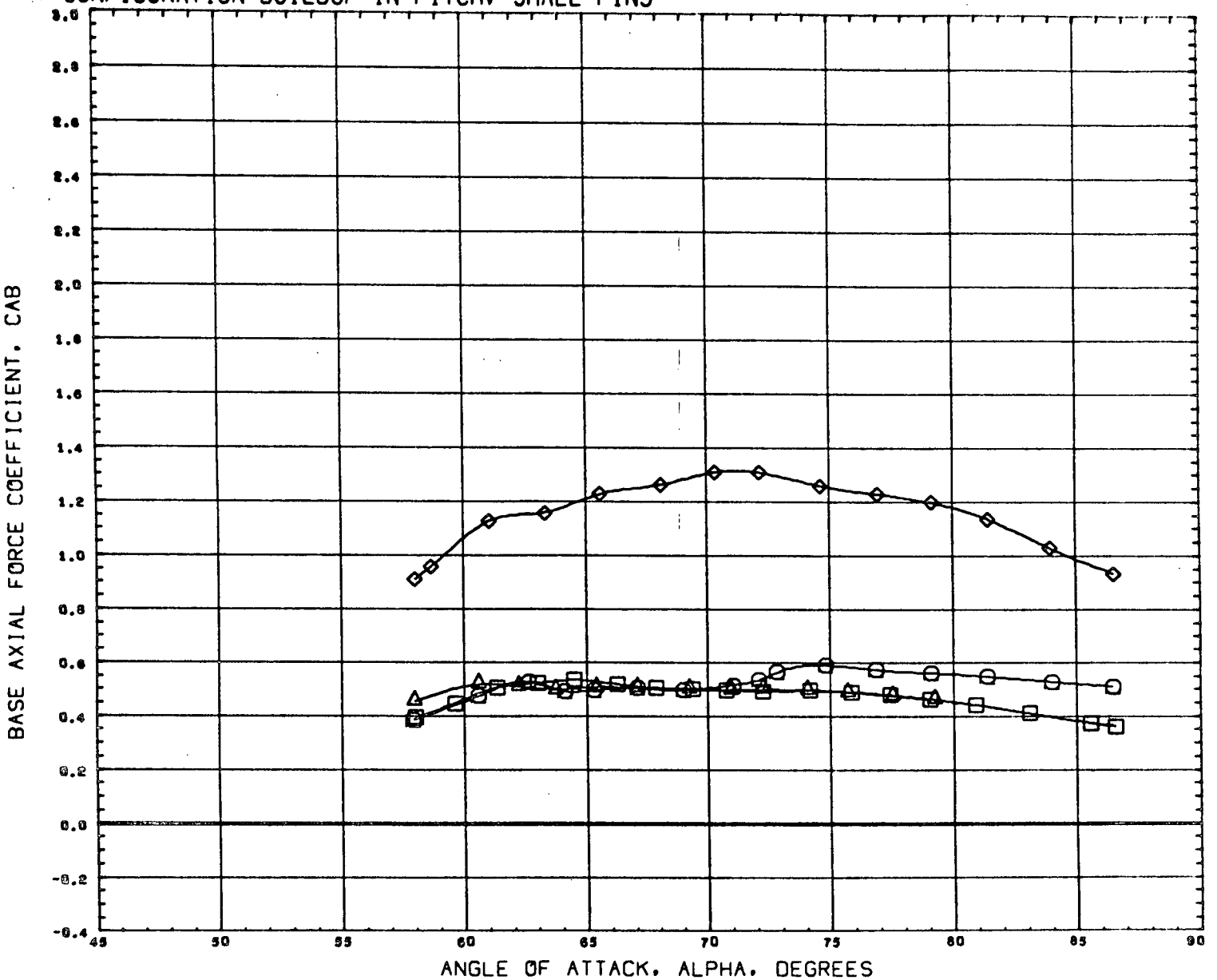


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

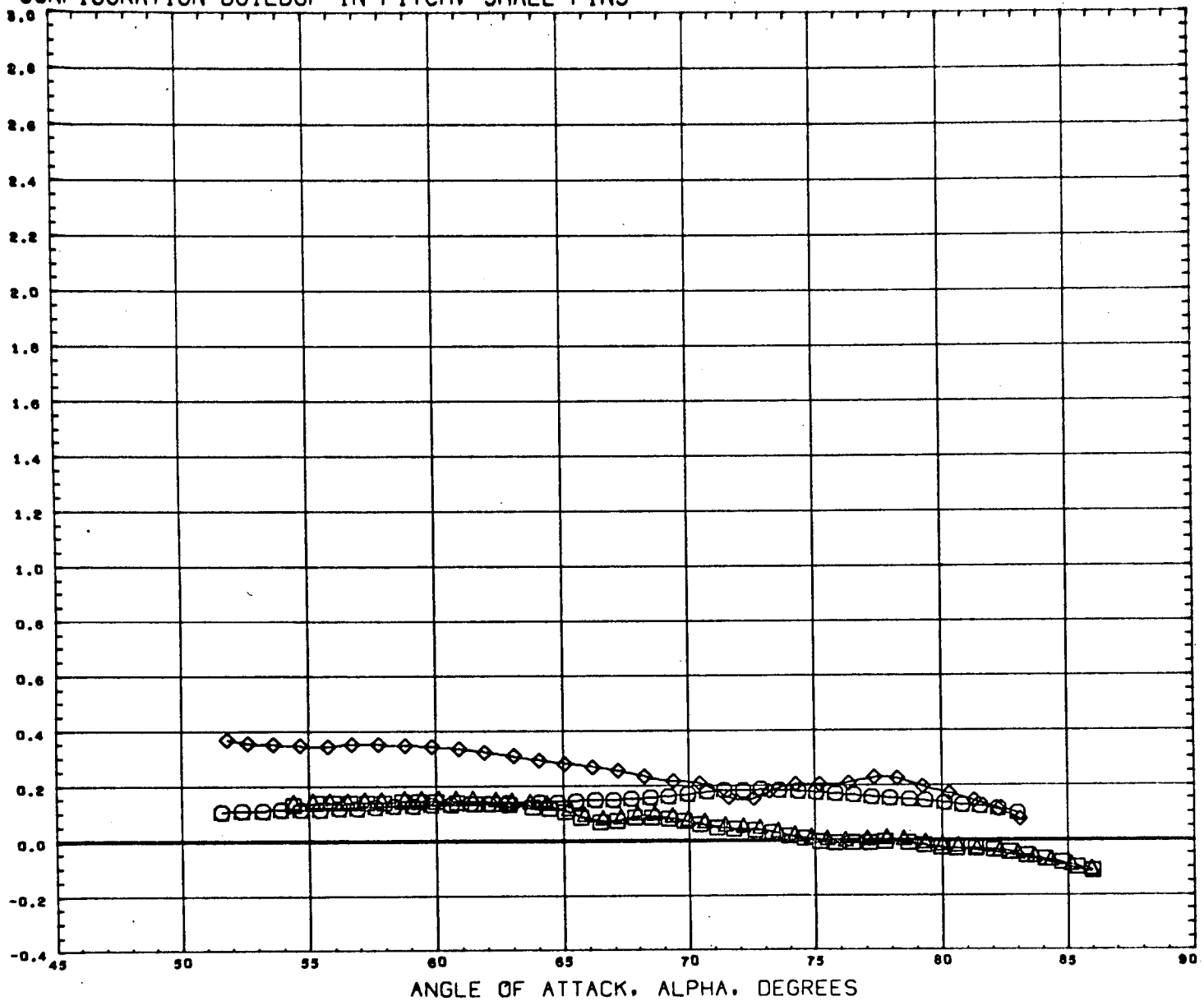


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

CONFIGURATION BUILDUP IN PITCH, SMALL FINS



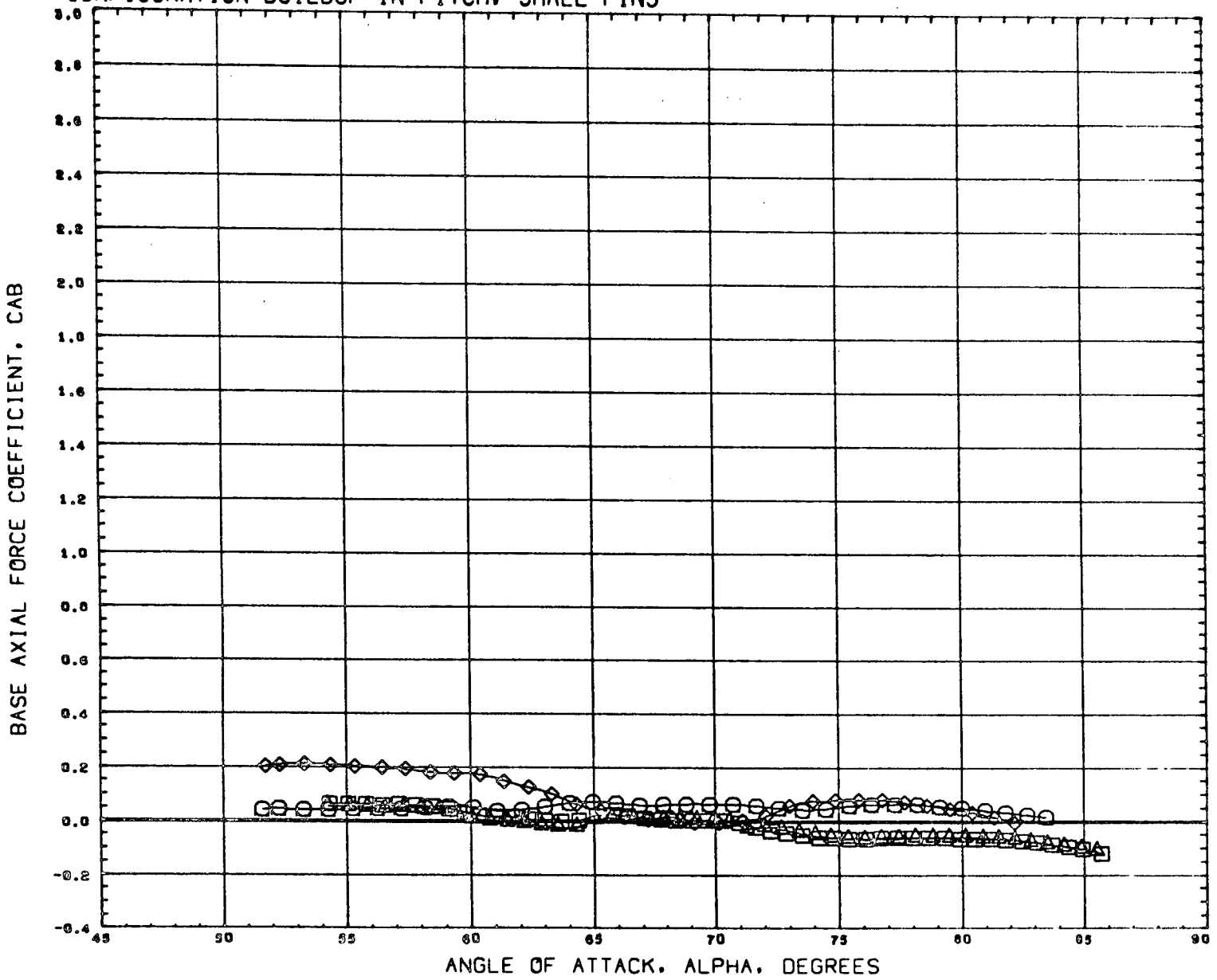
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

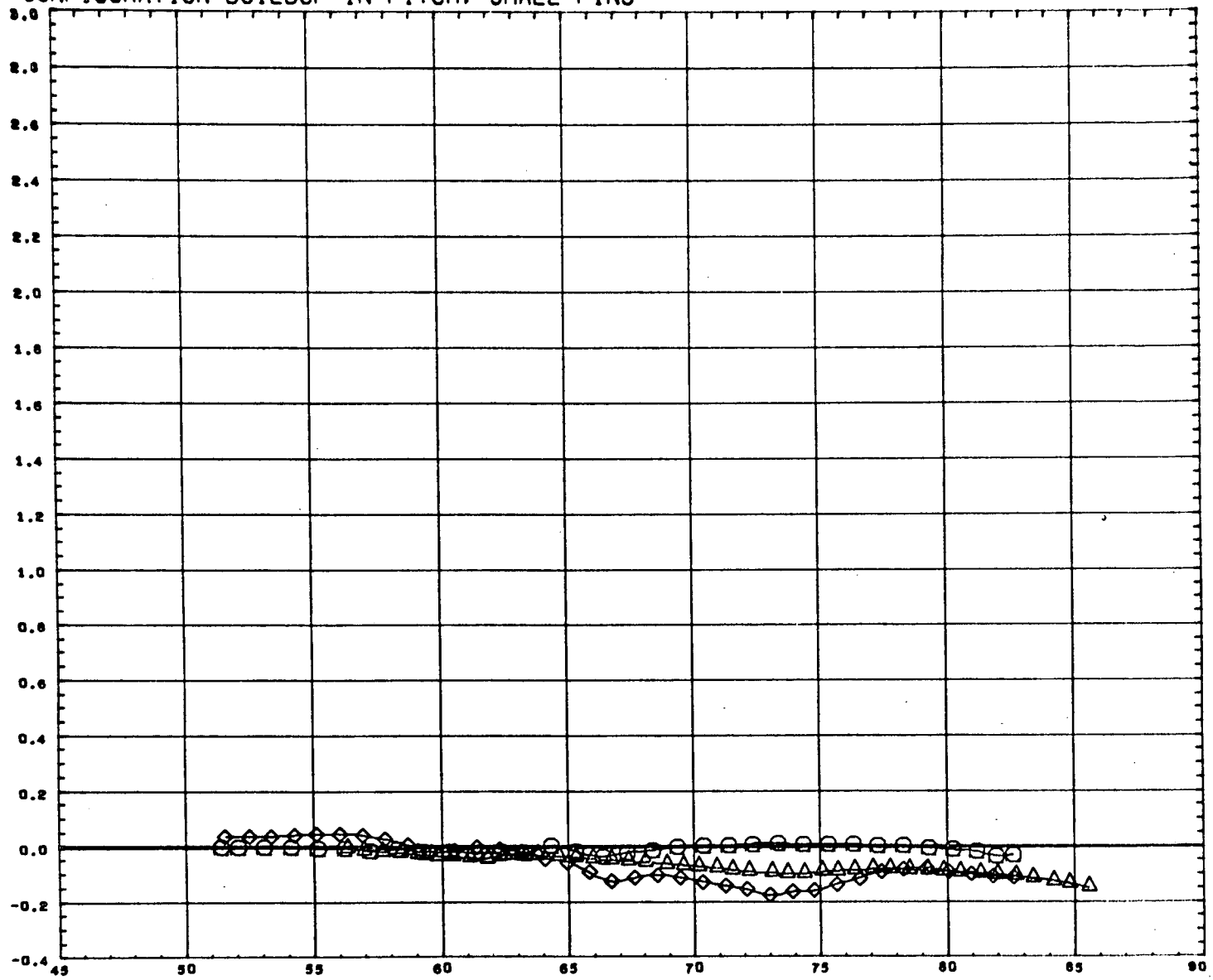


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4011)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

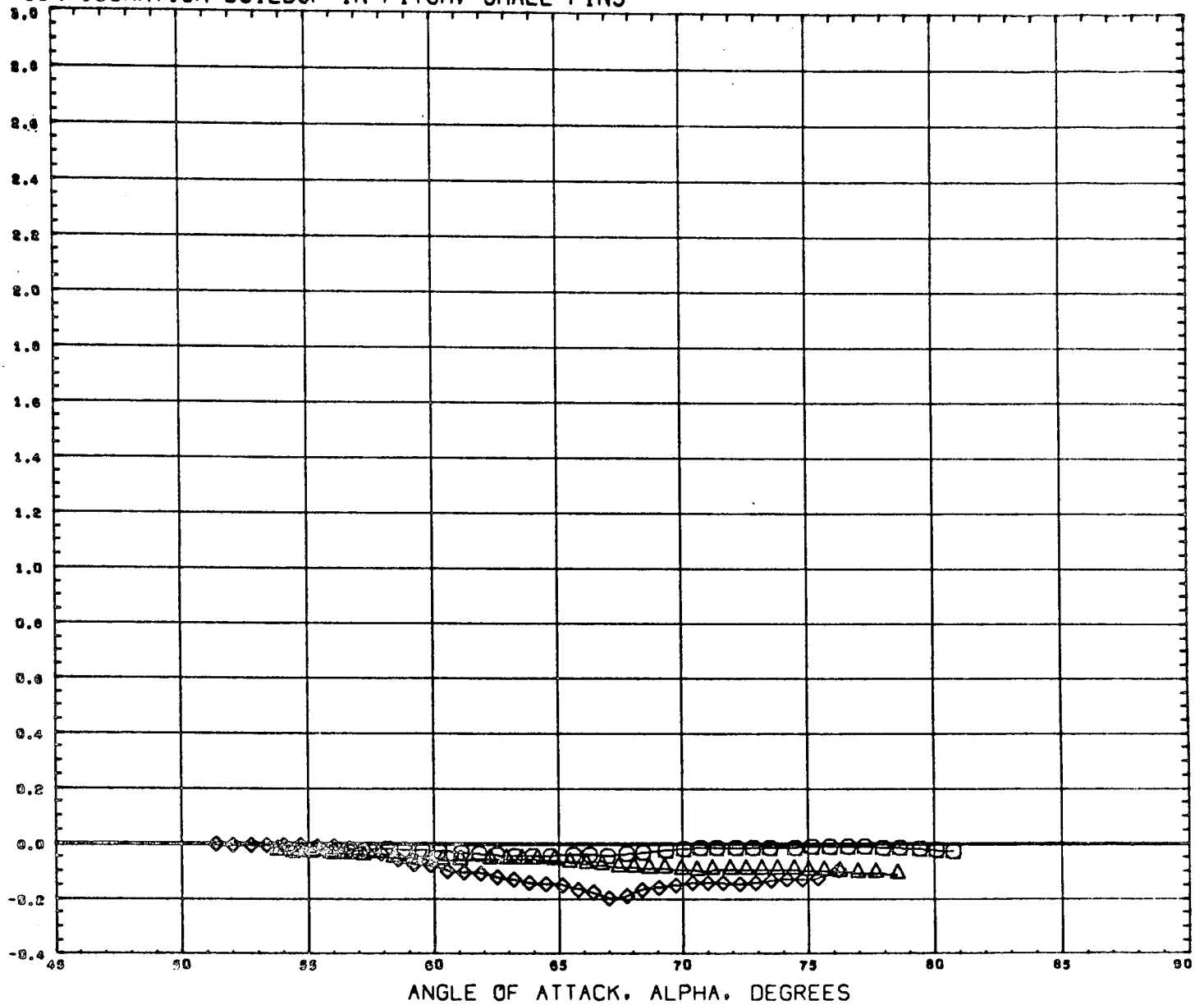


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071) □	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN PITCH, SMALL FINS

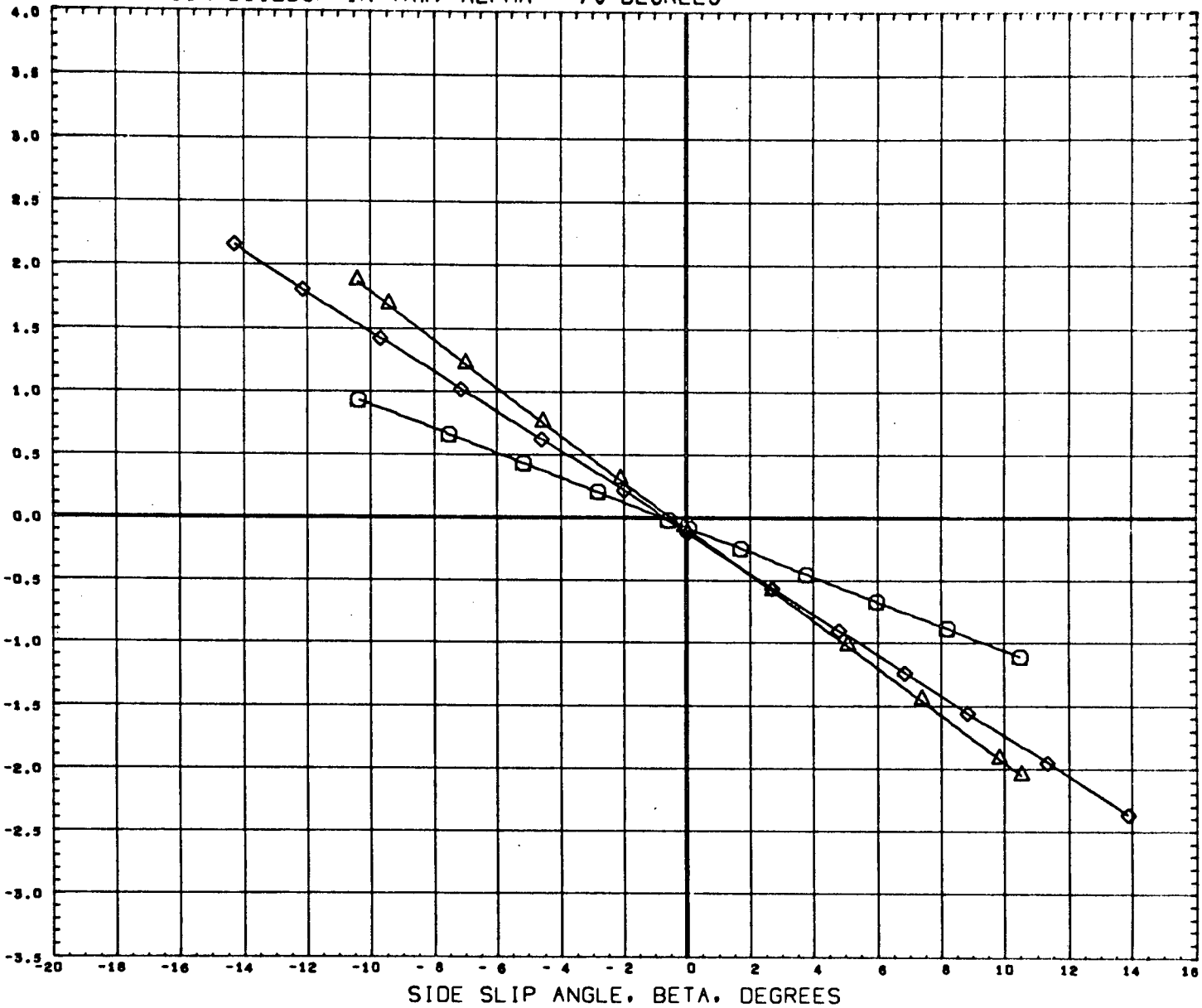


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4011)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(AD4041)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(AD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



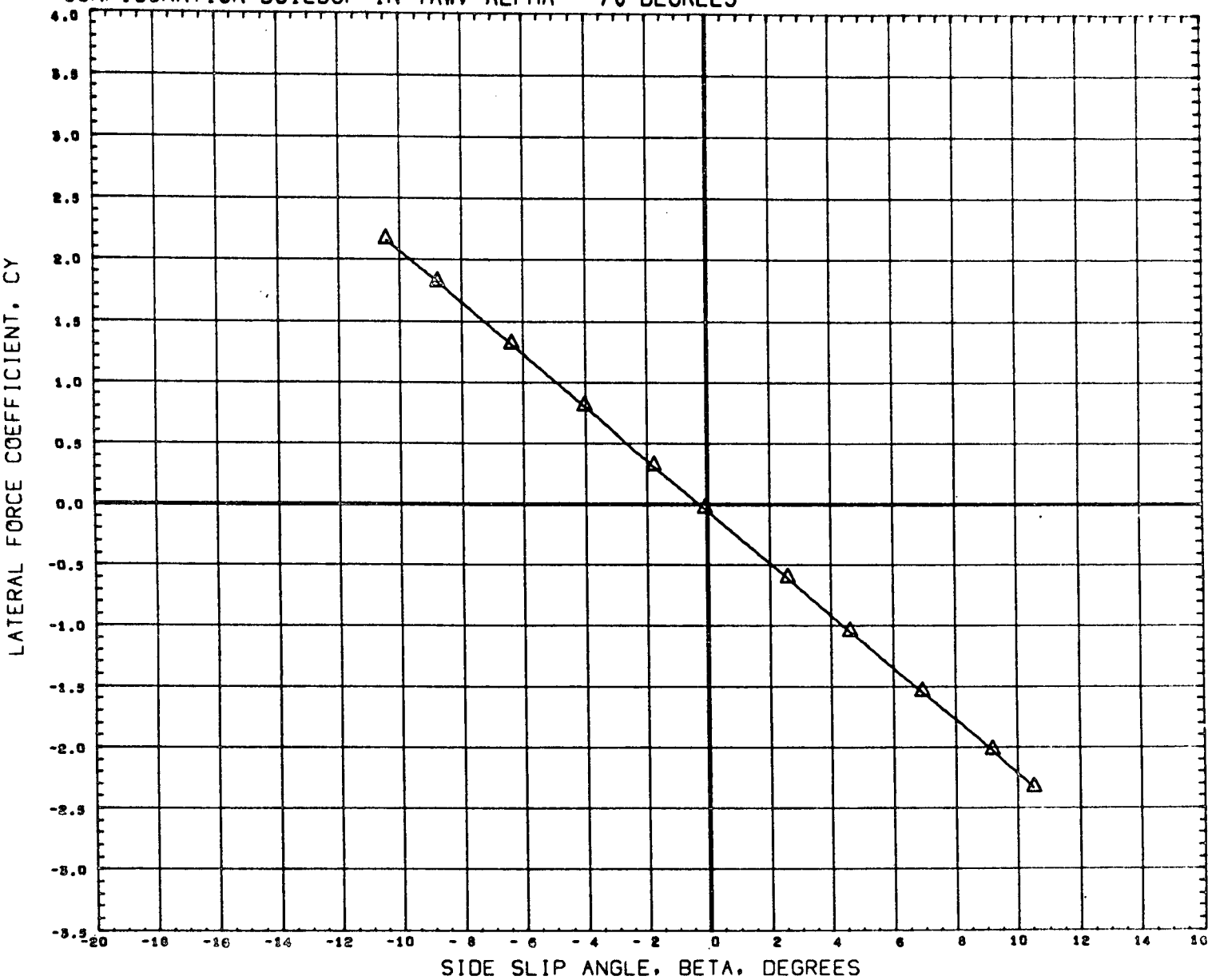
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

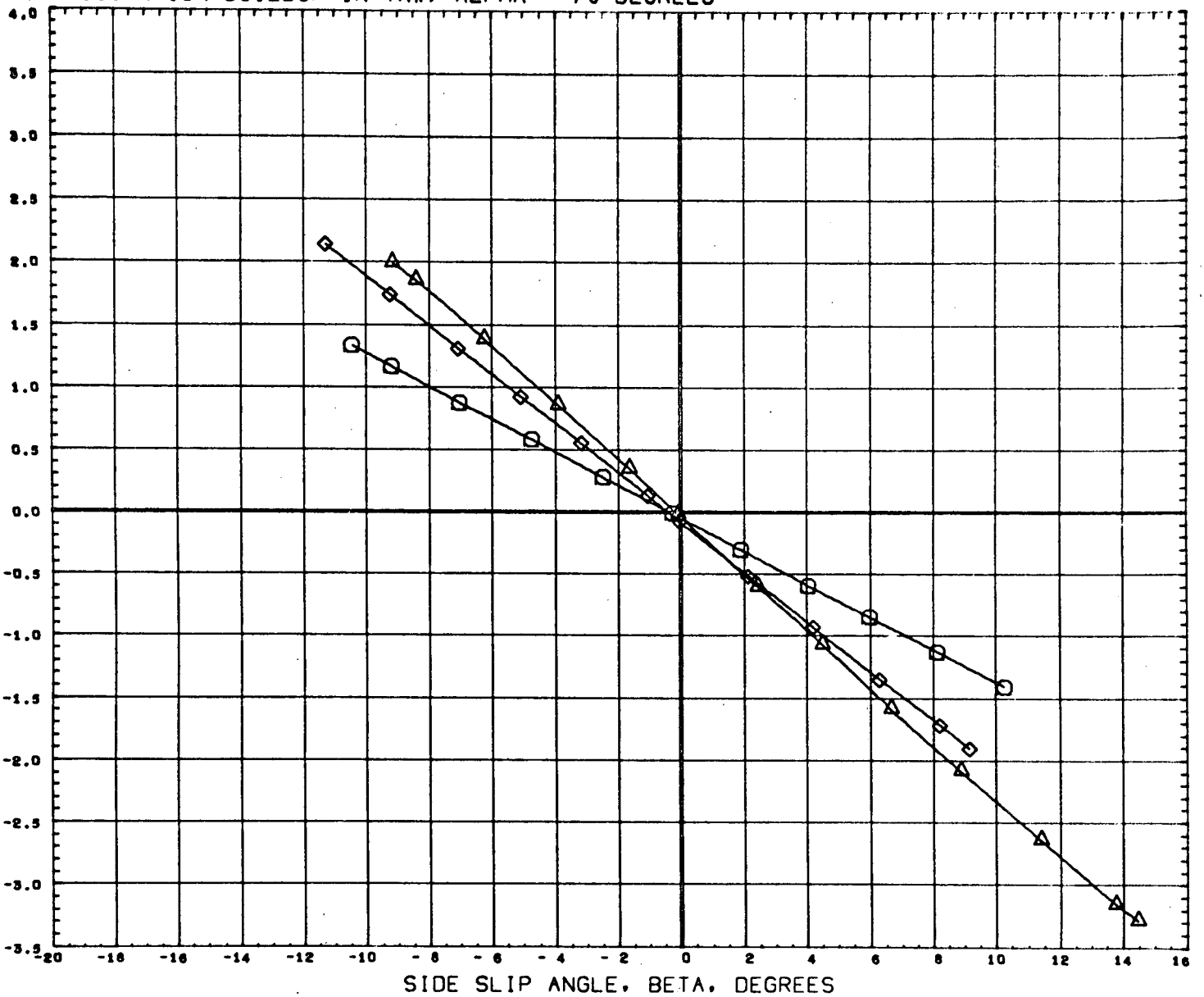


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8999	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



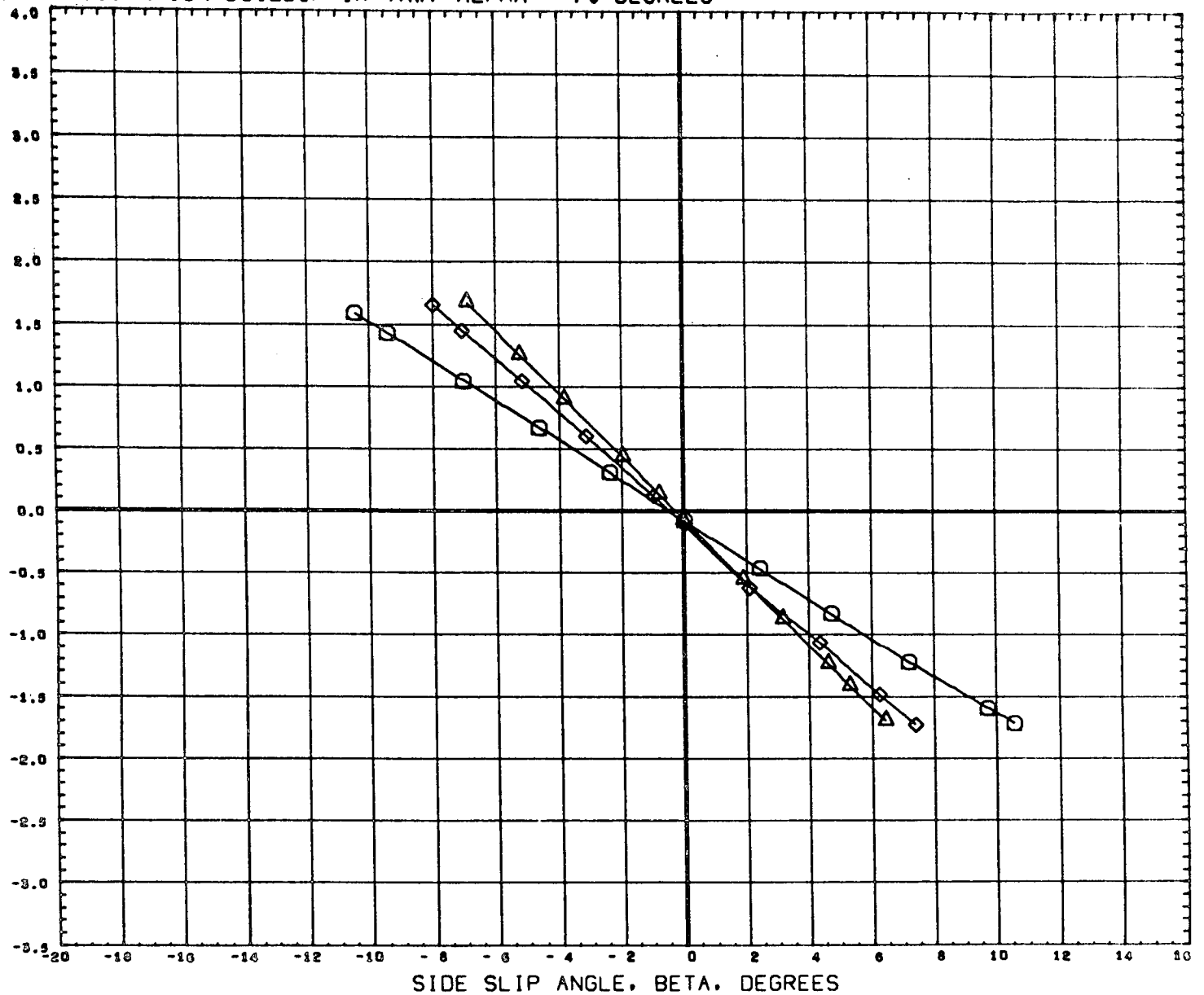
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

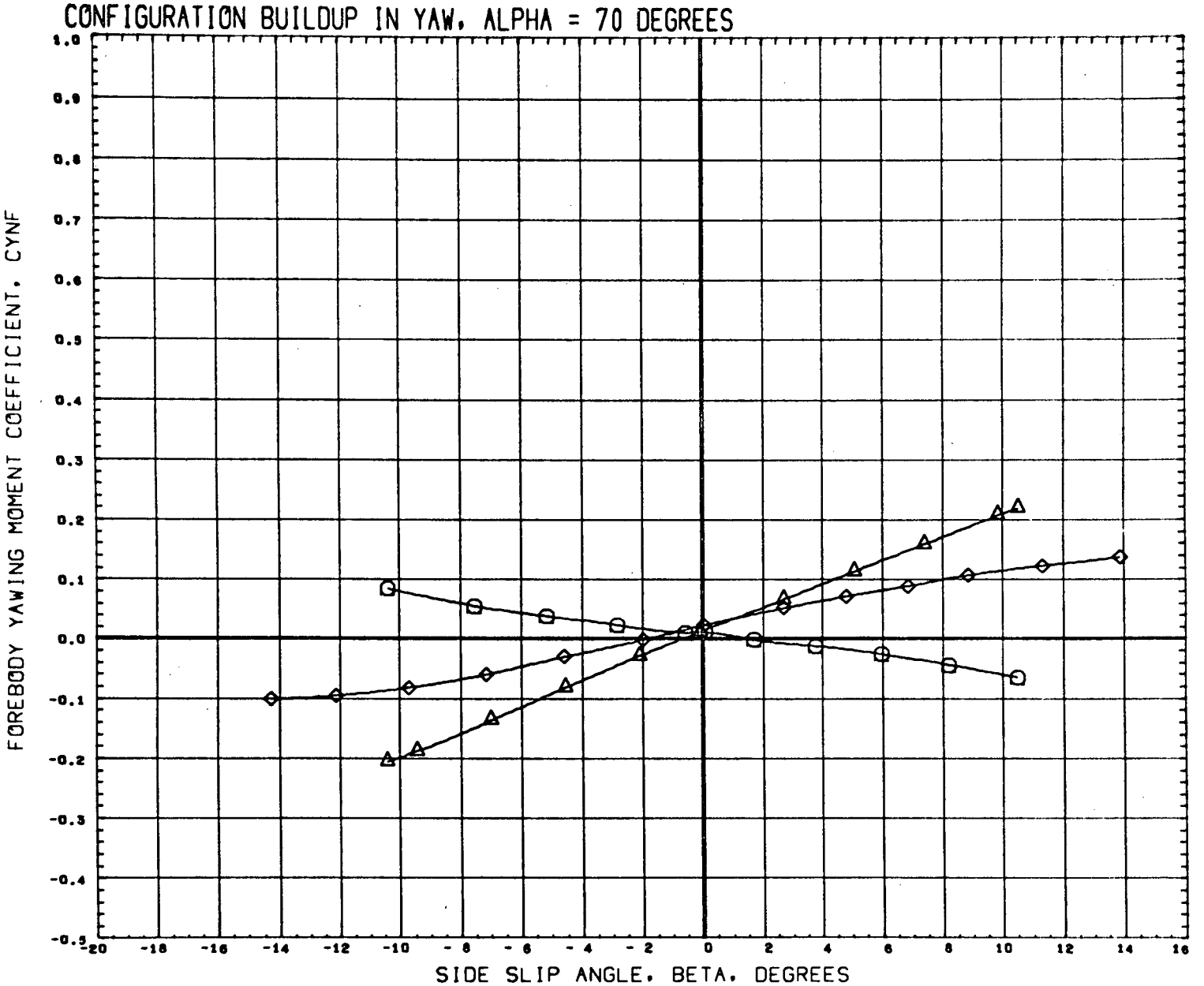


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



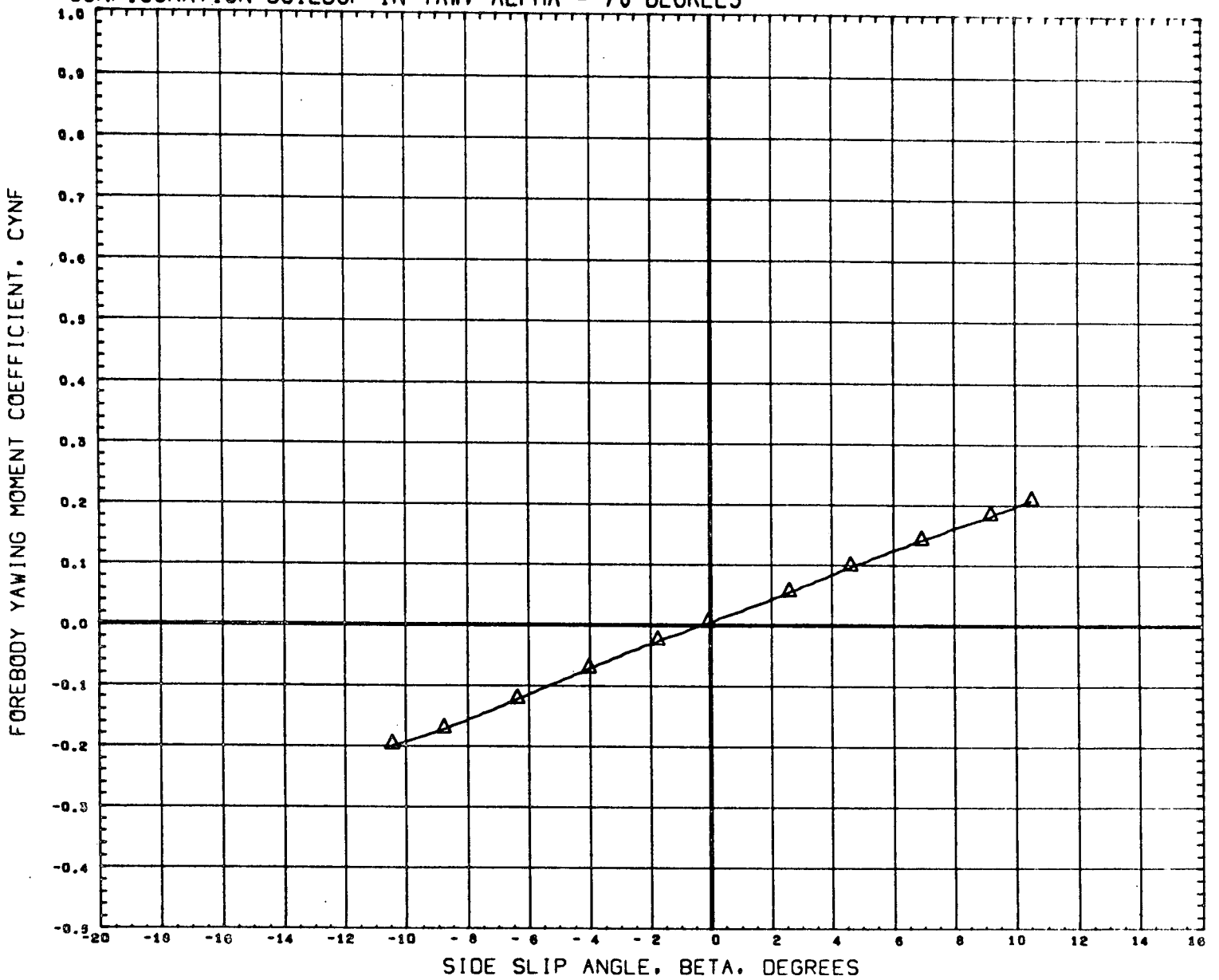
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

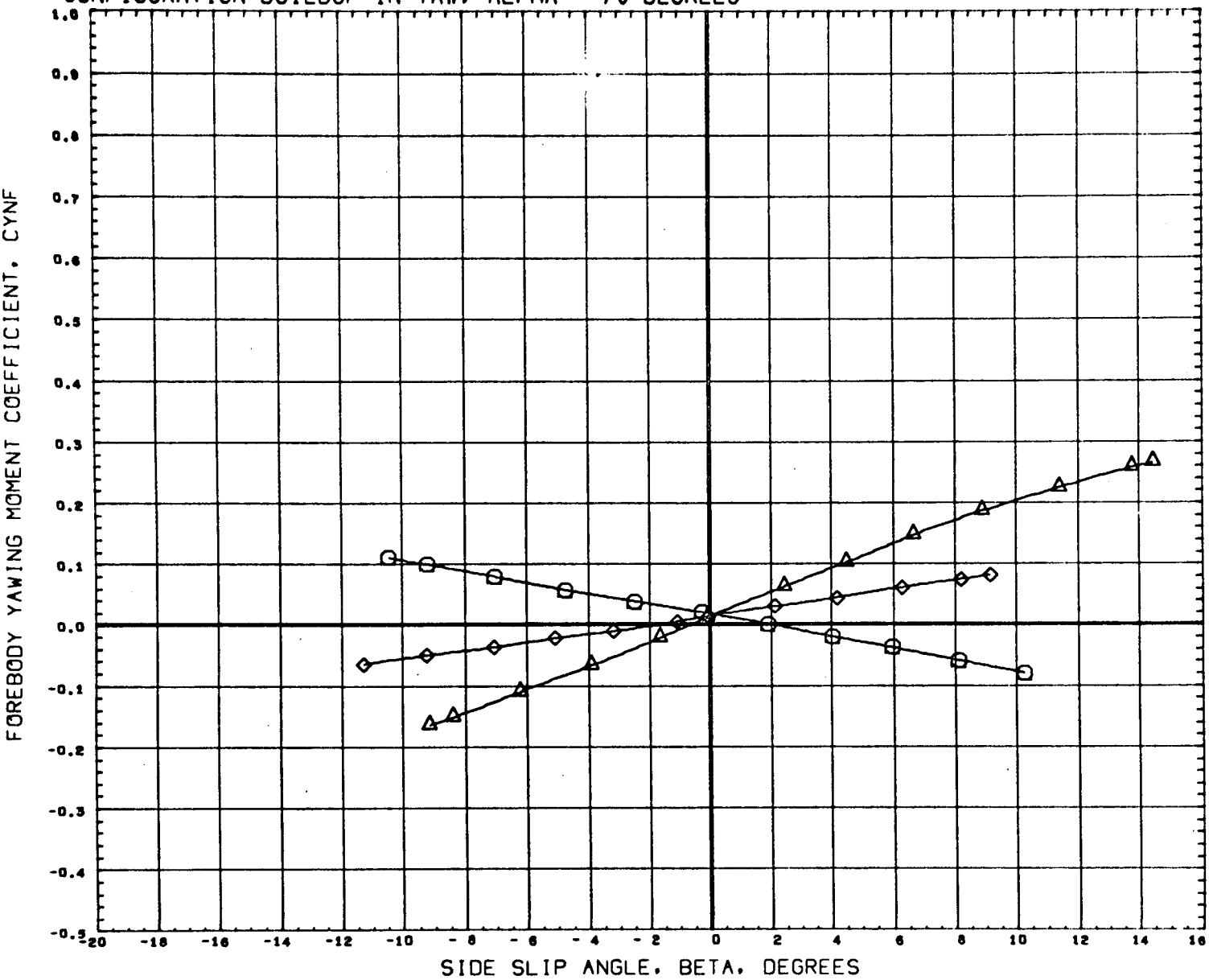


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



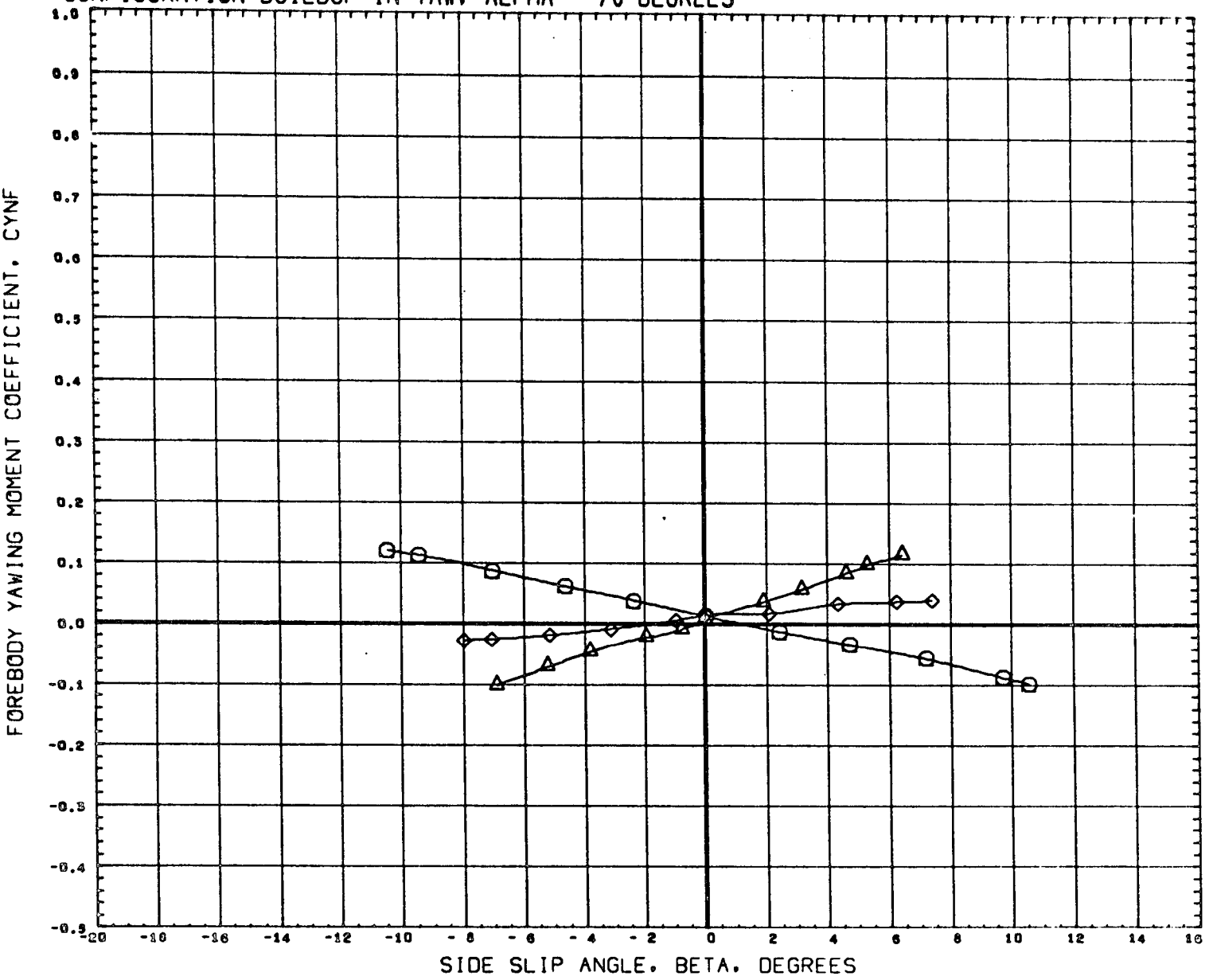
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



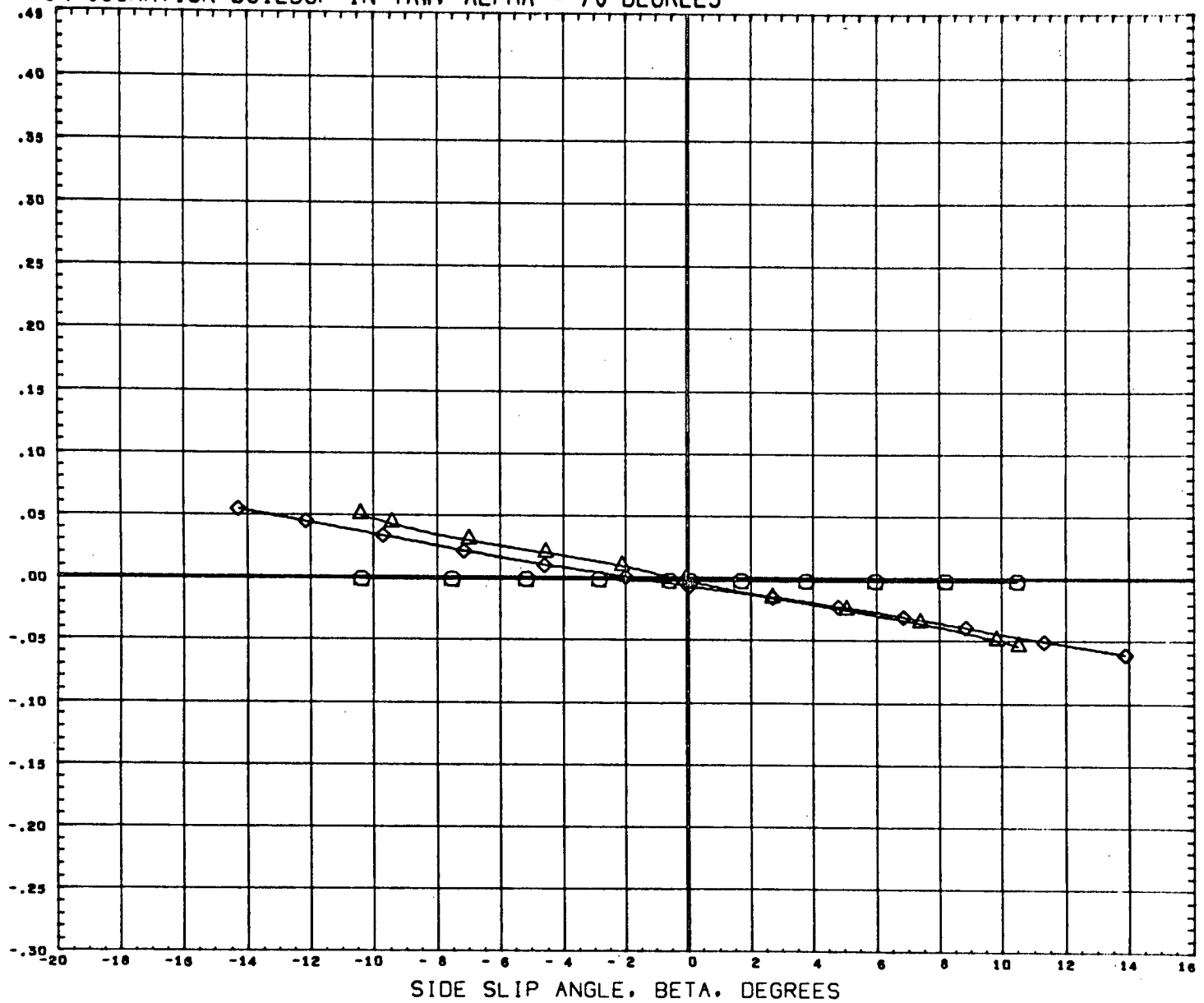
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



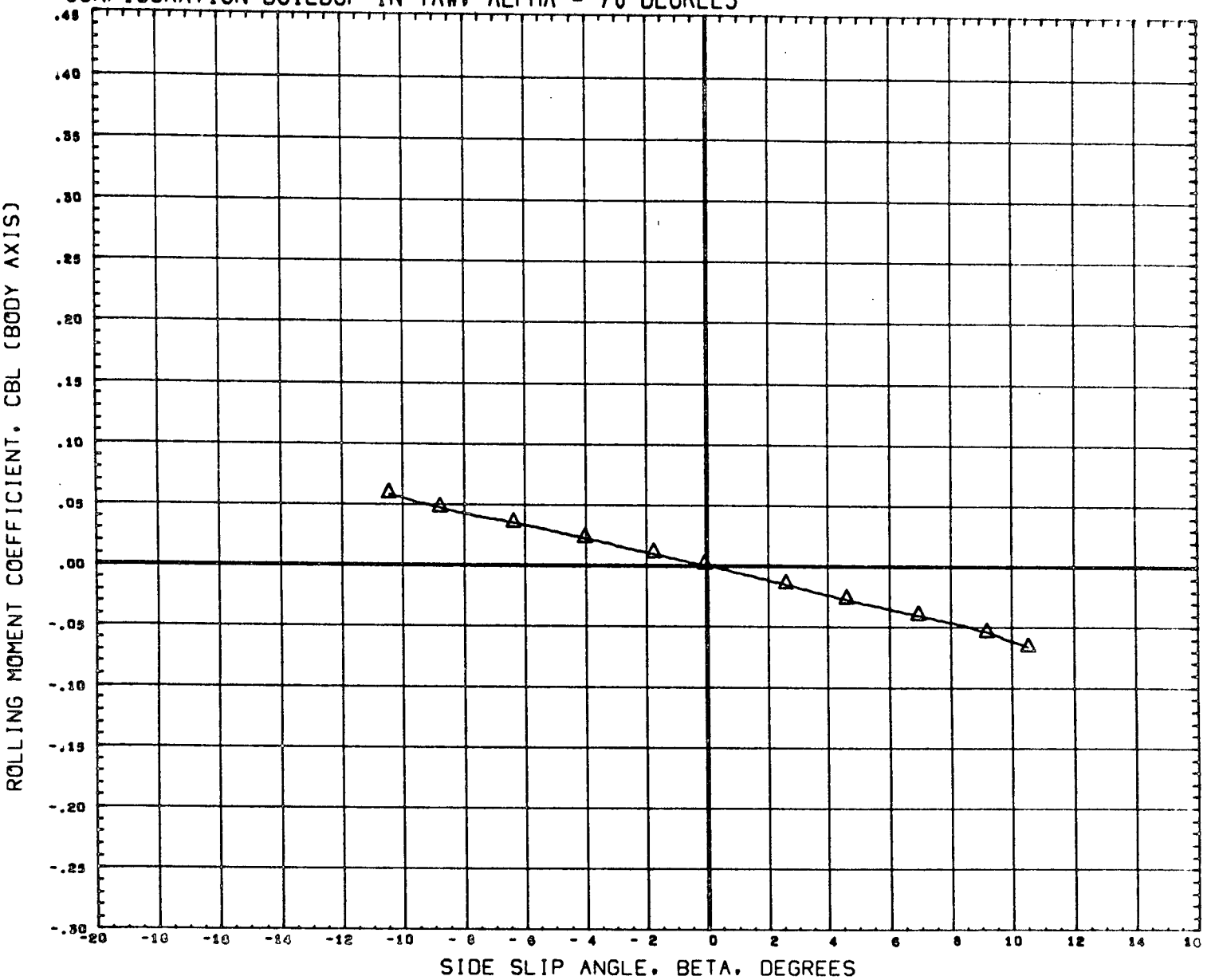
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



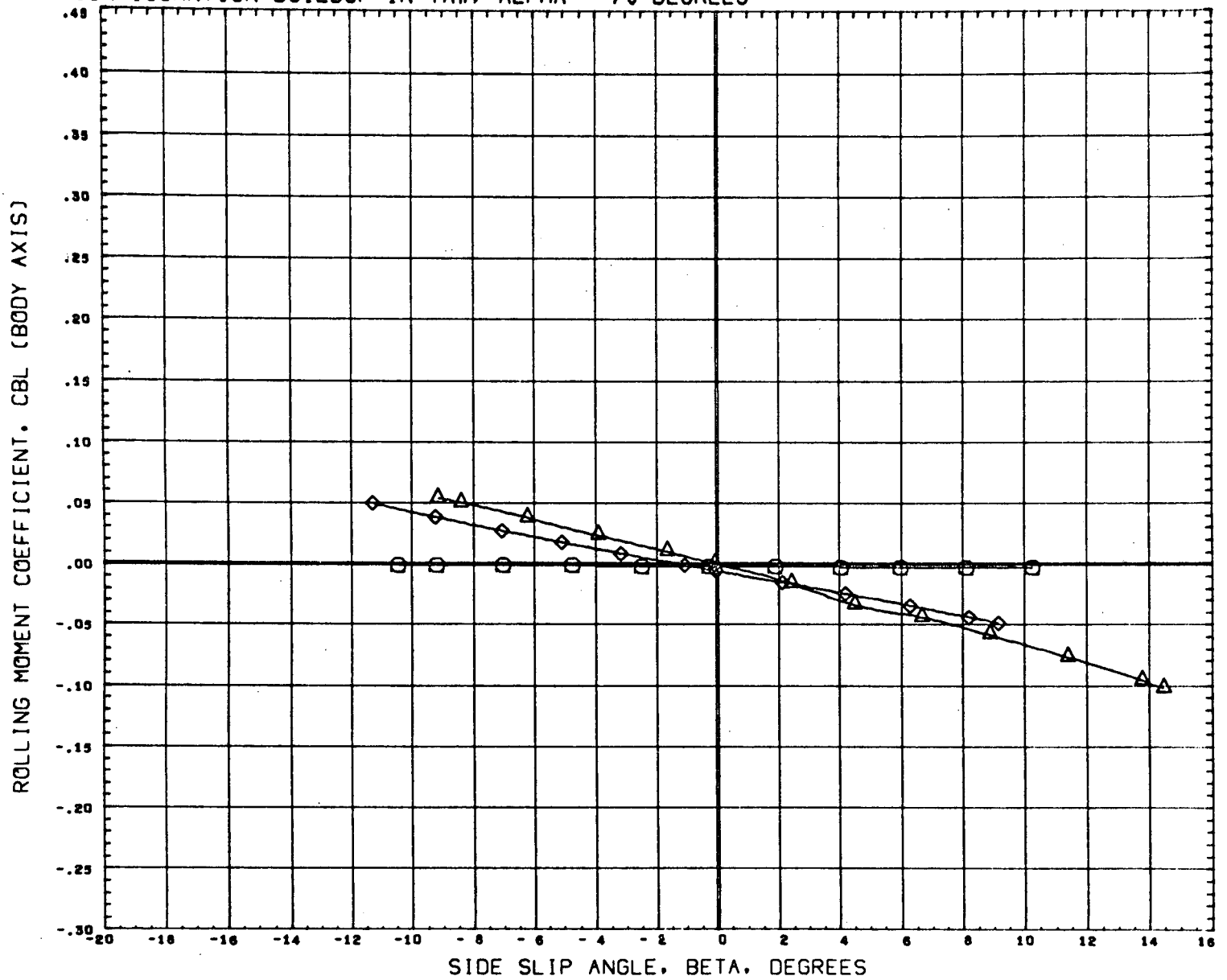
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



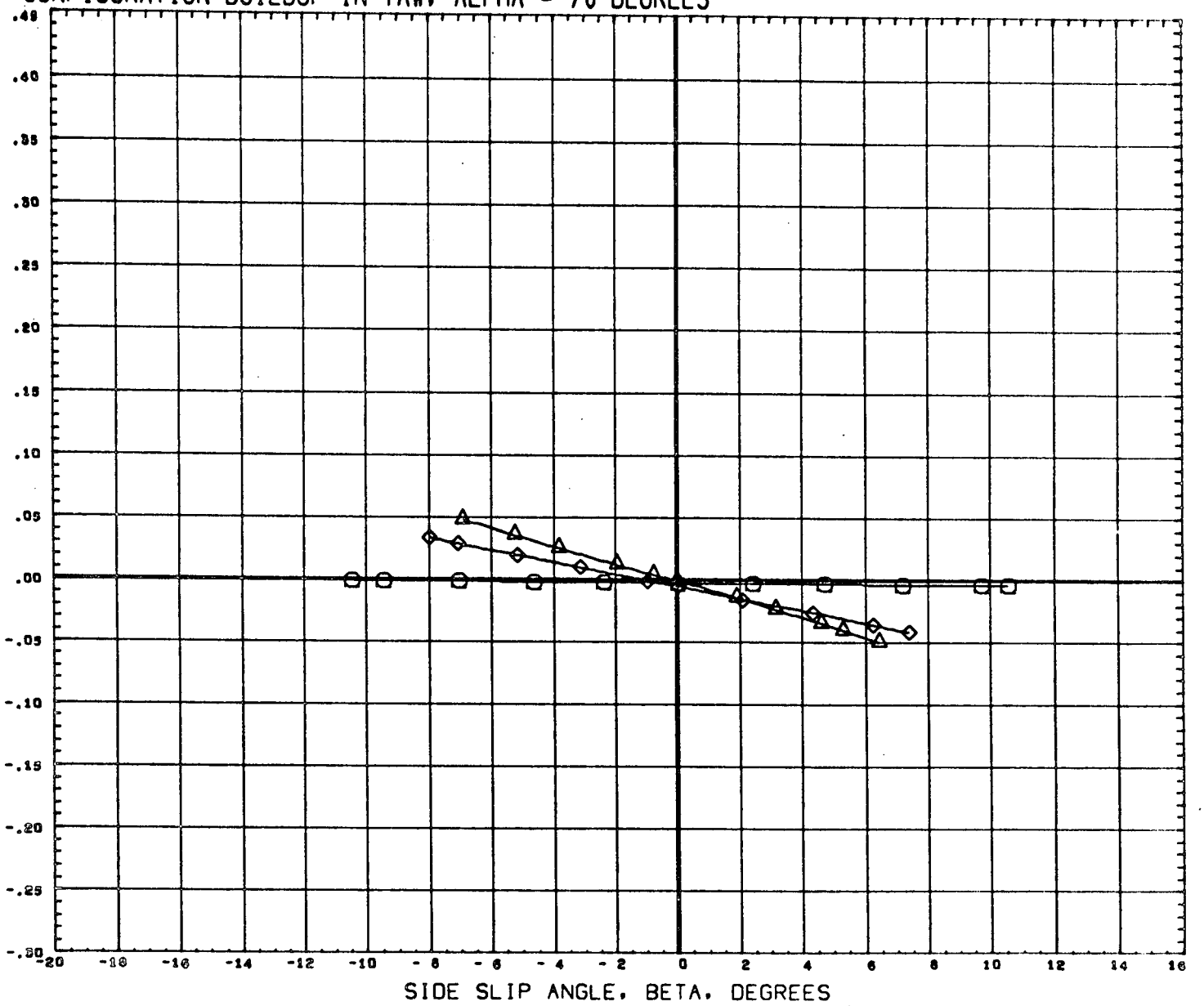
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



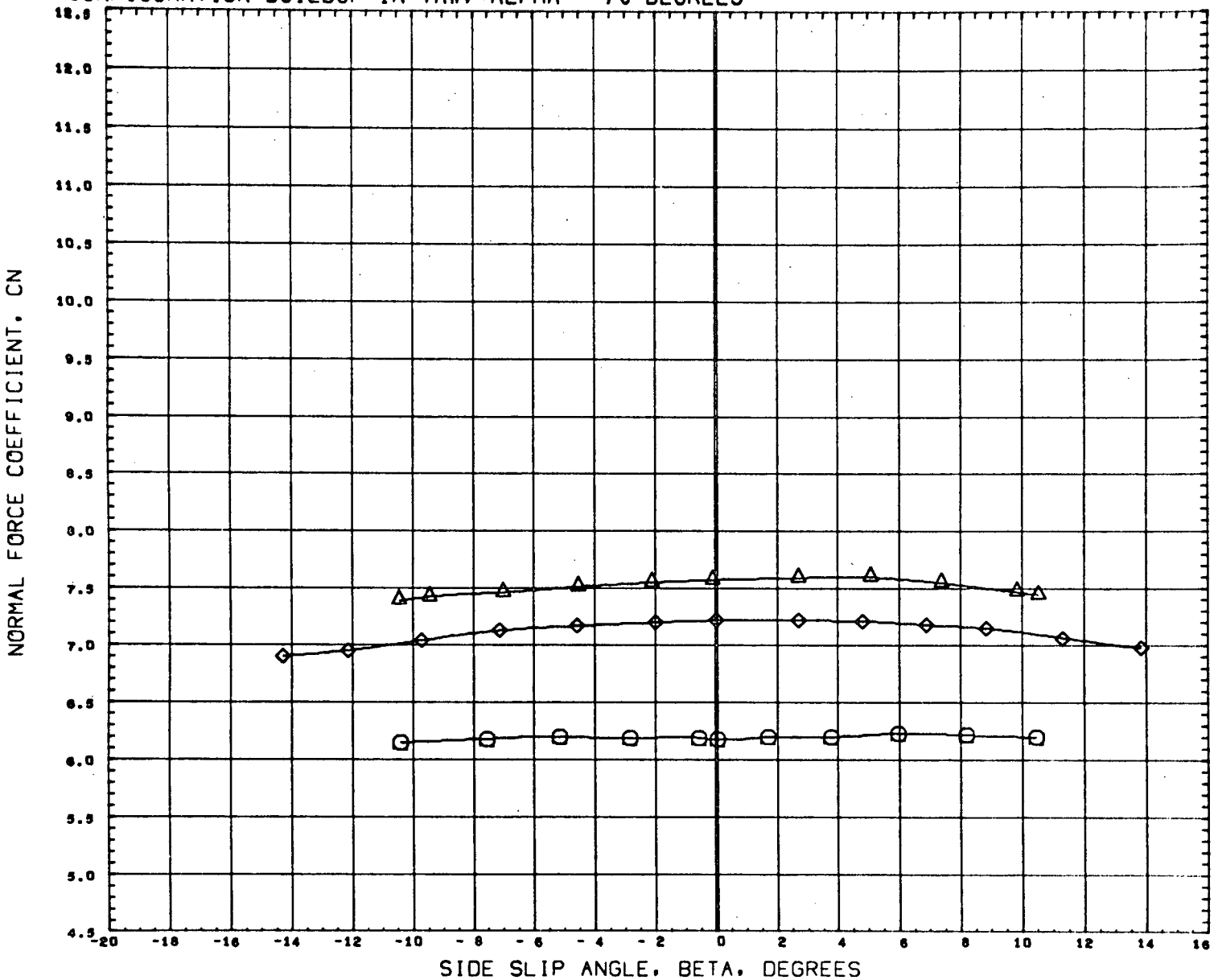
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



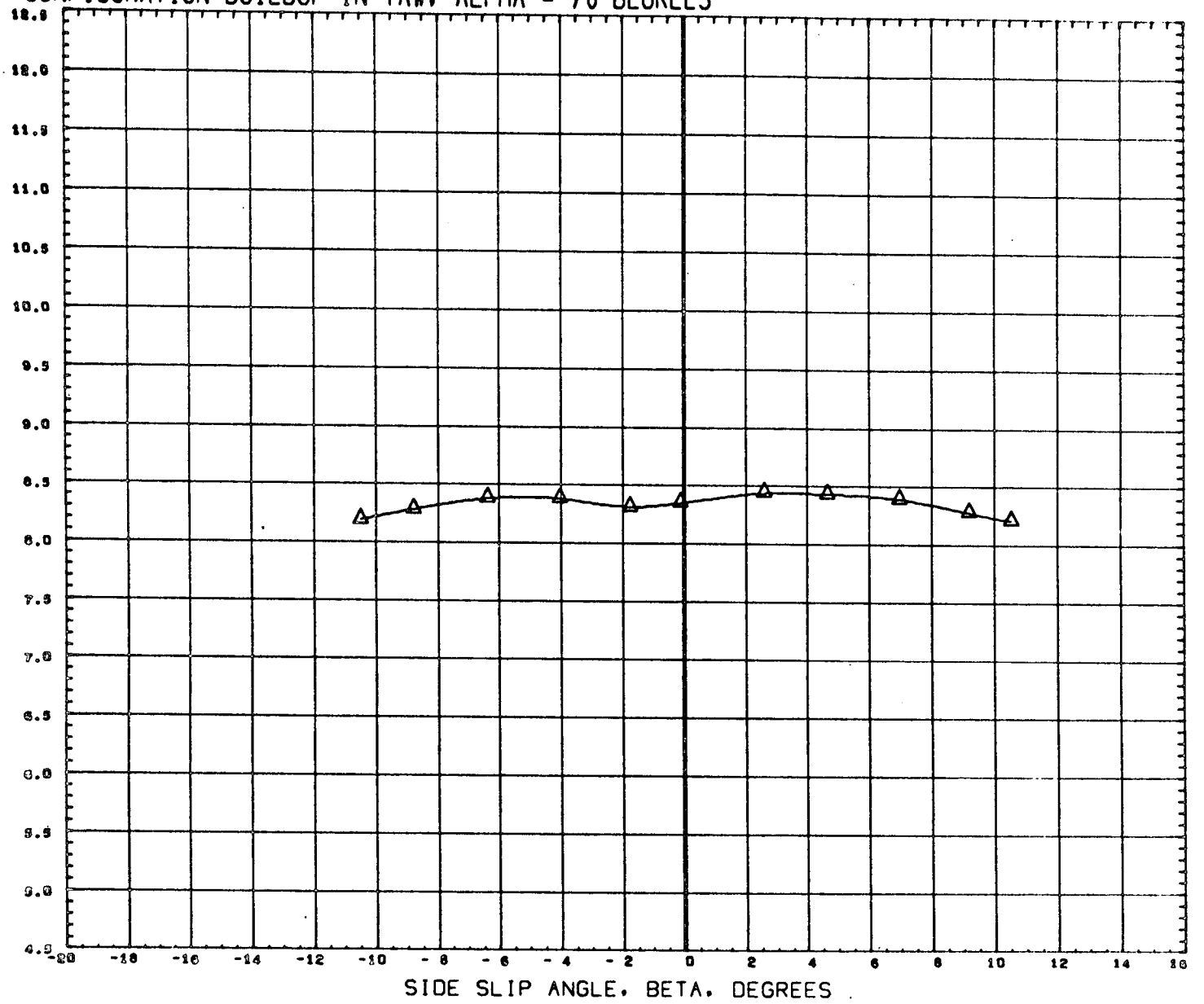
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



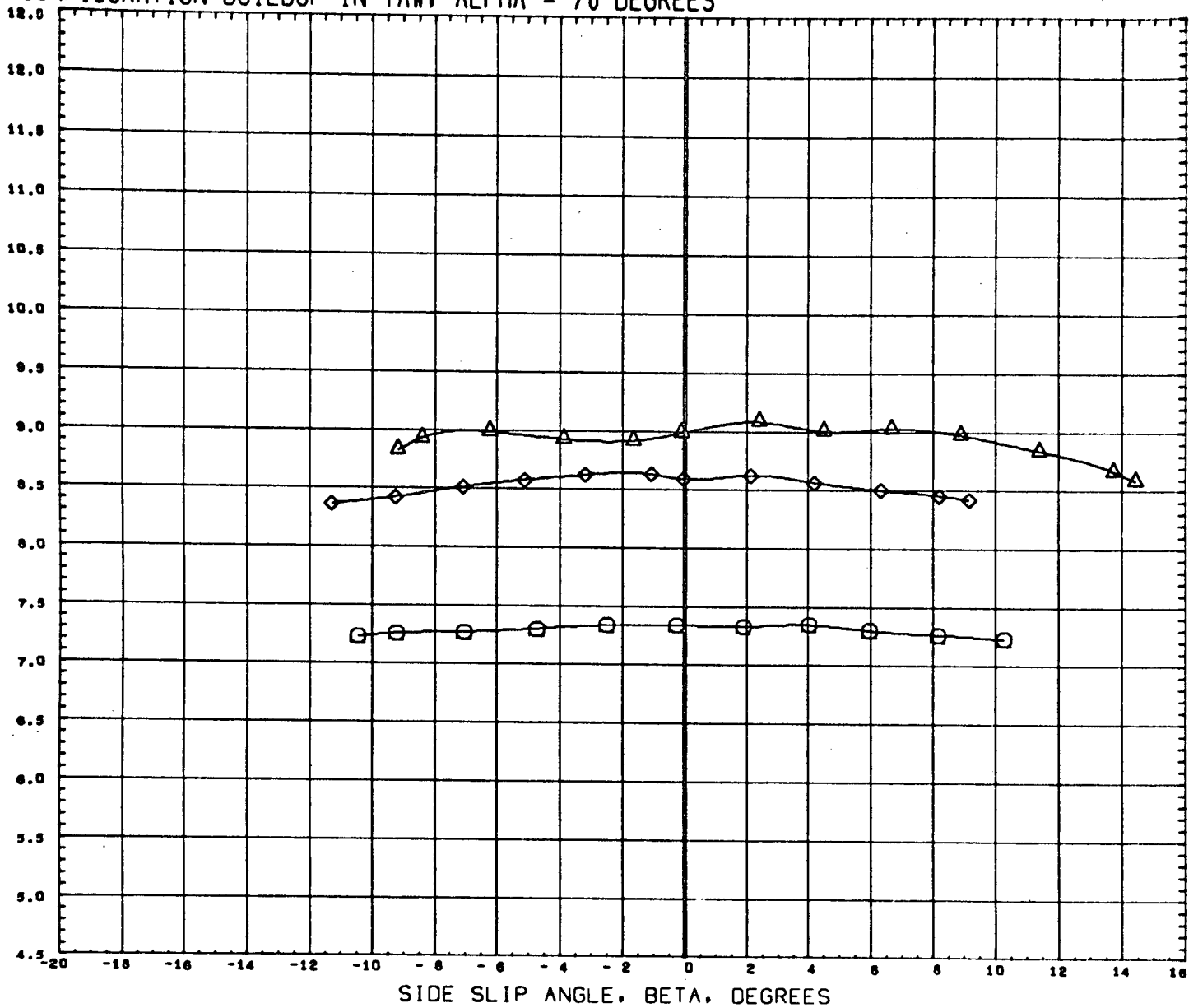
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	STWT 1273/BSWT 353 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



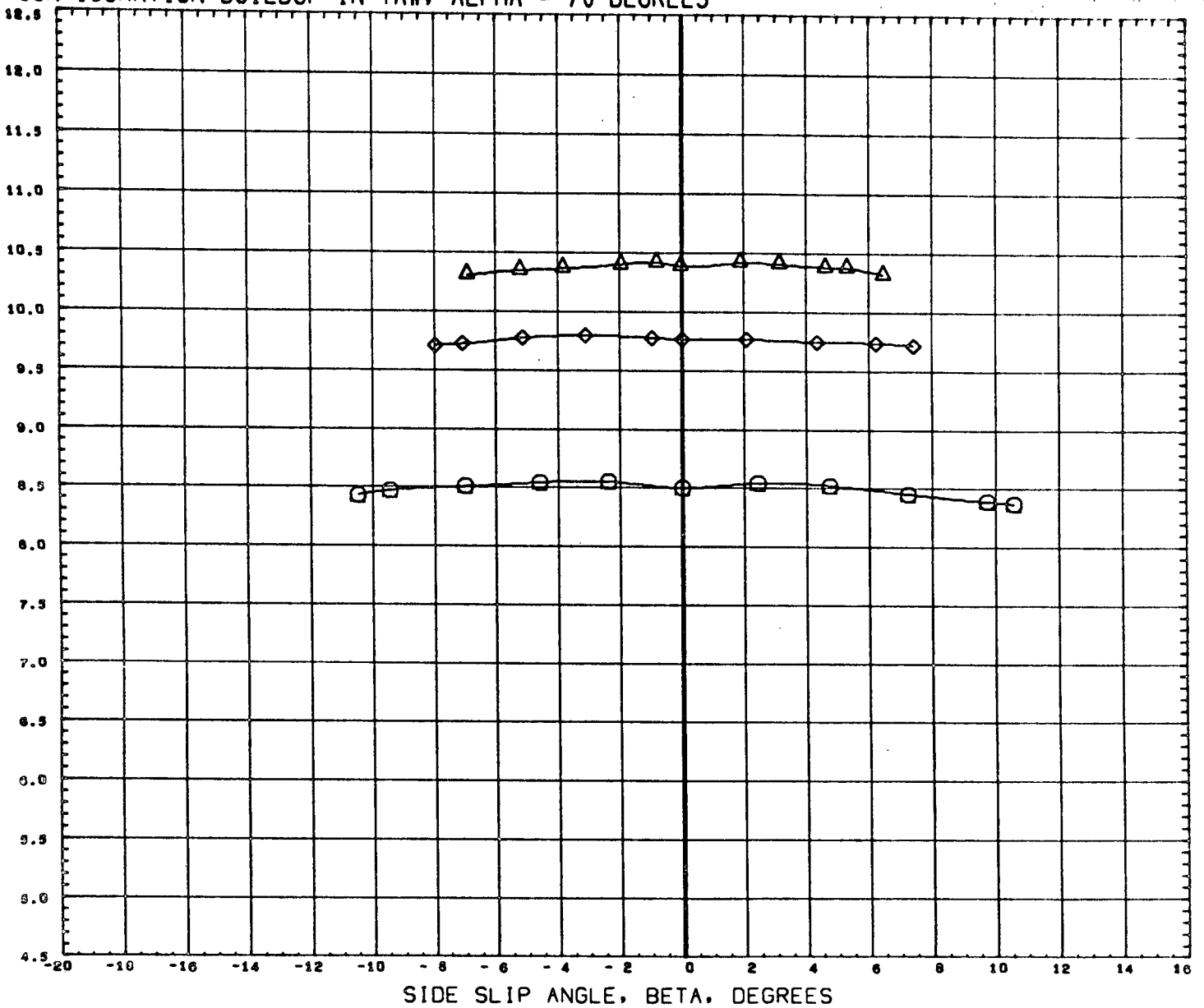
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

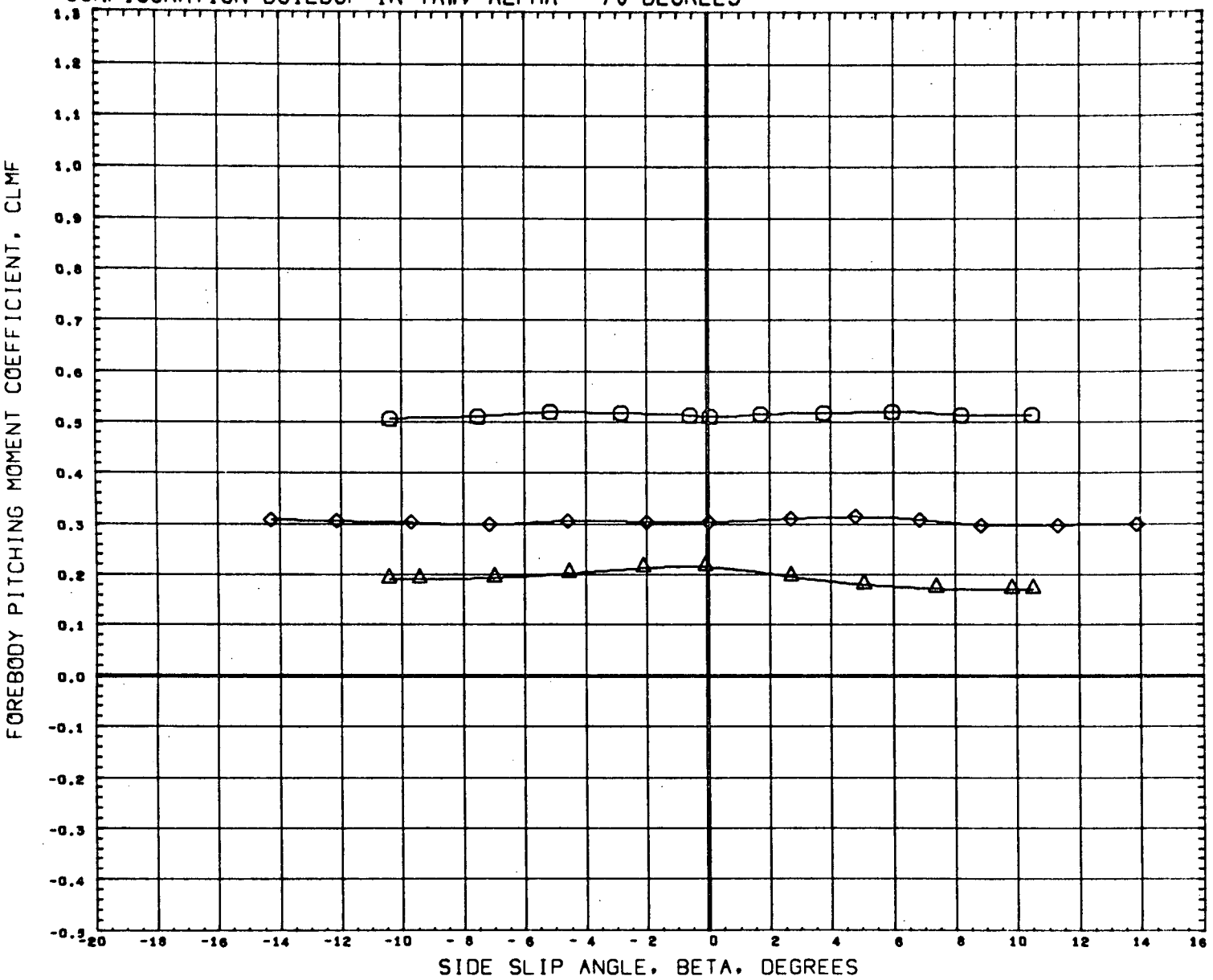


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

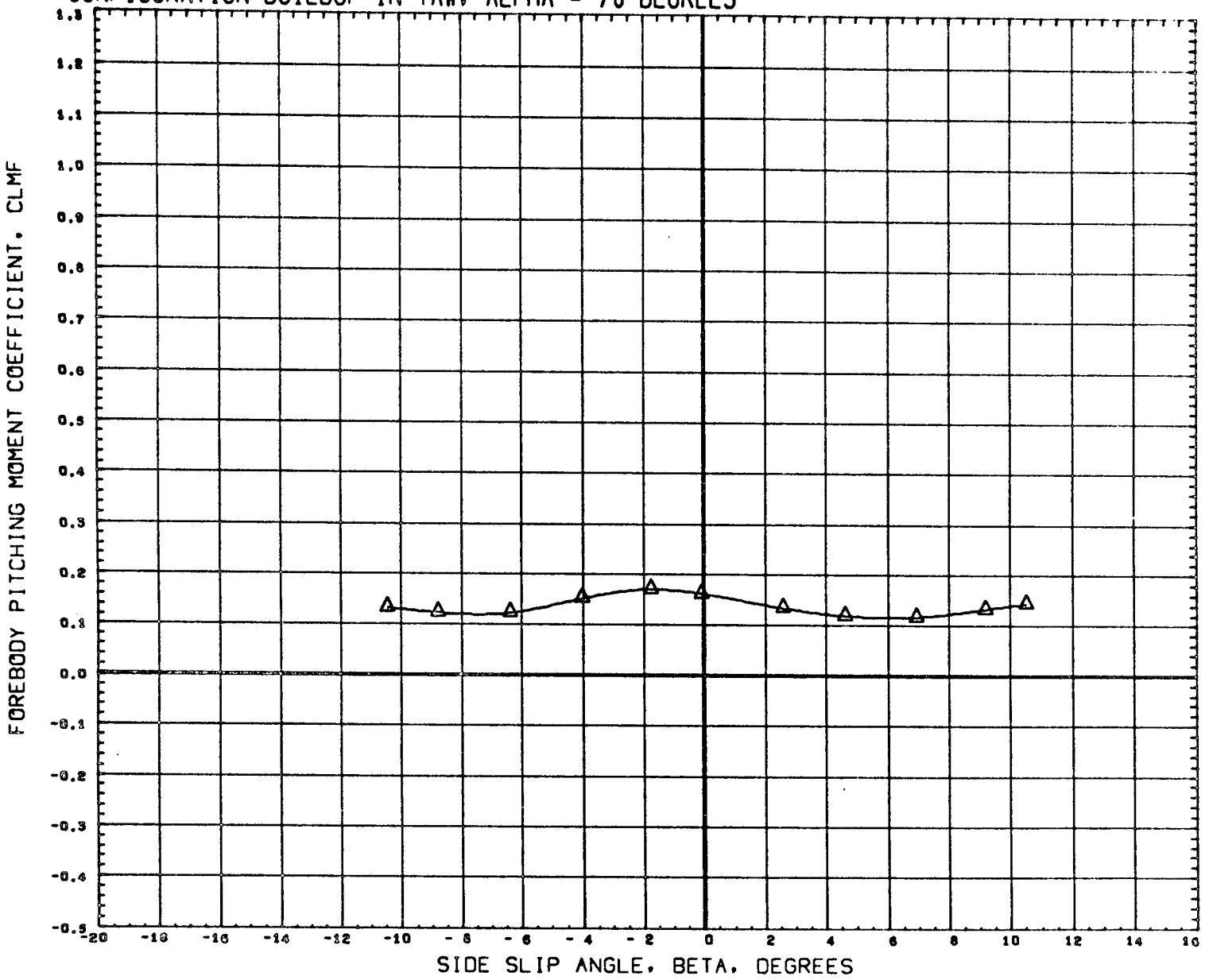


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

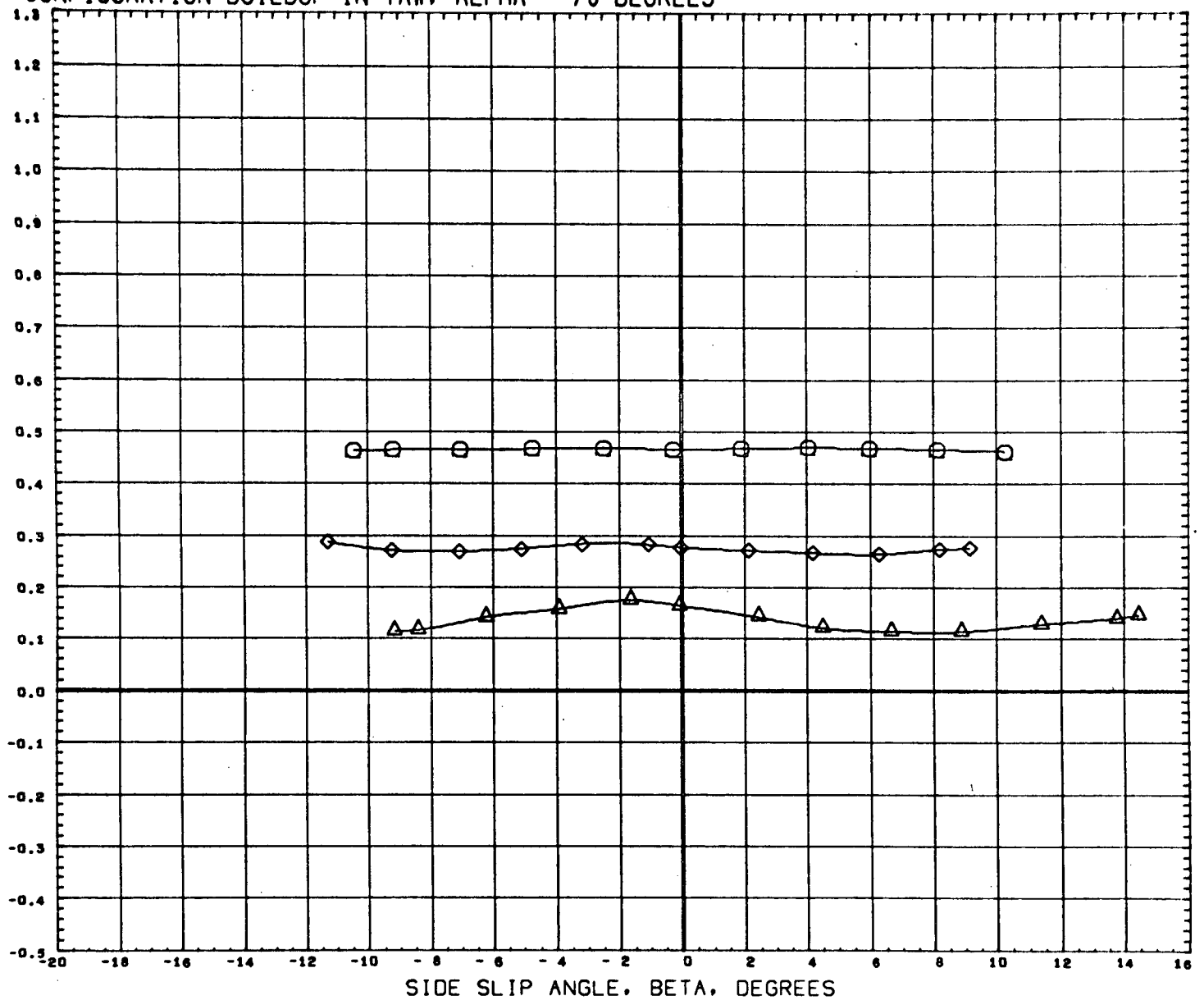


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



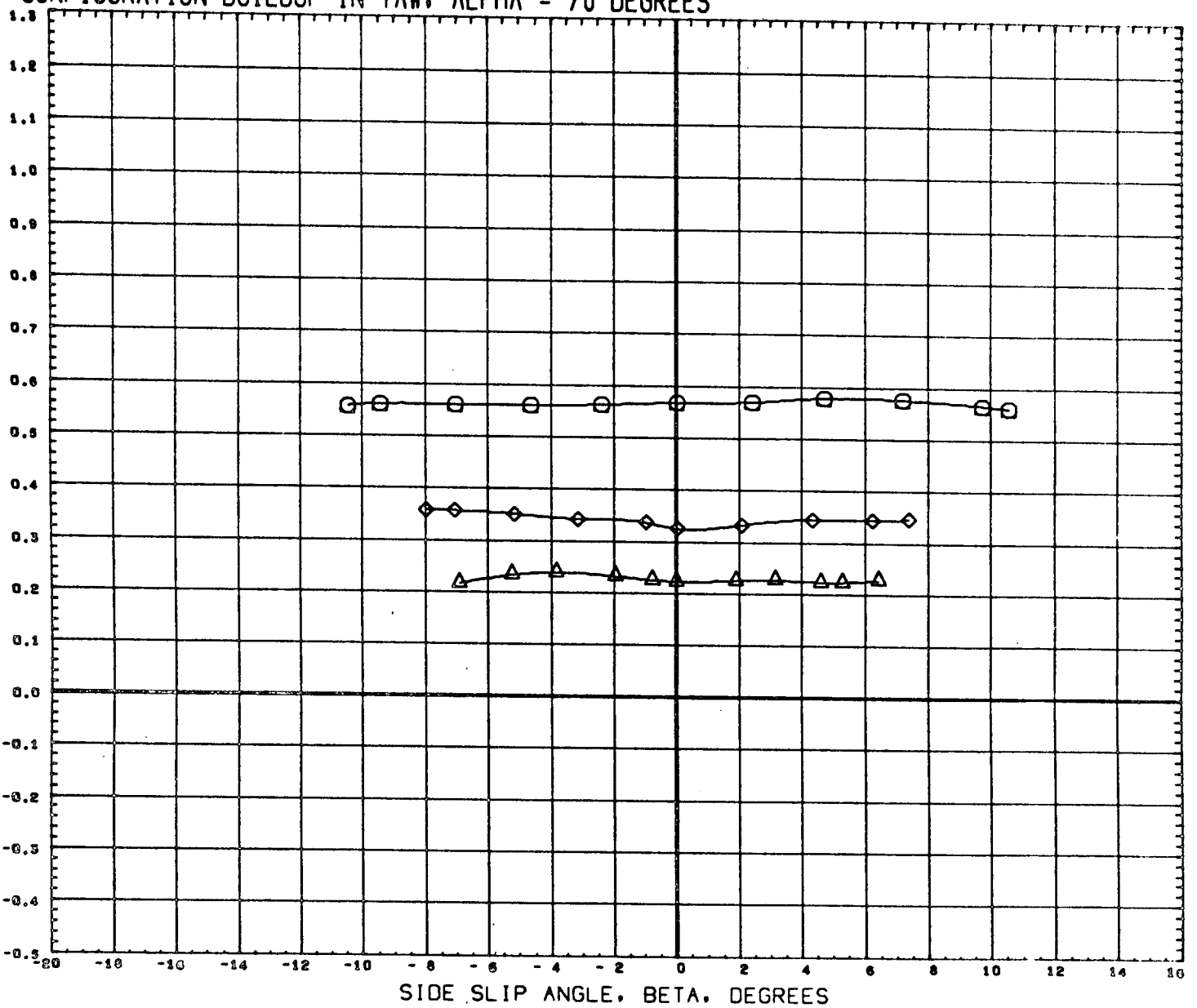
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



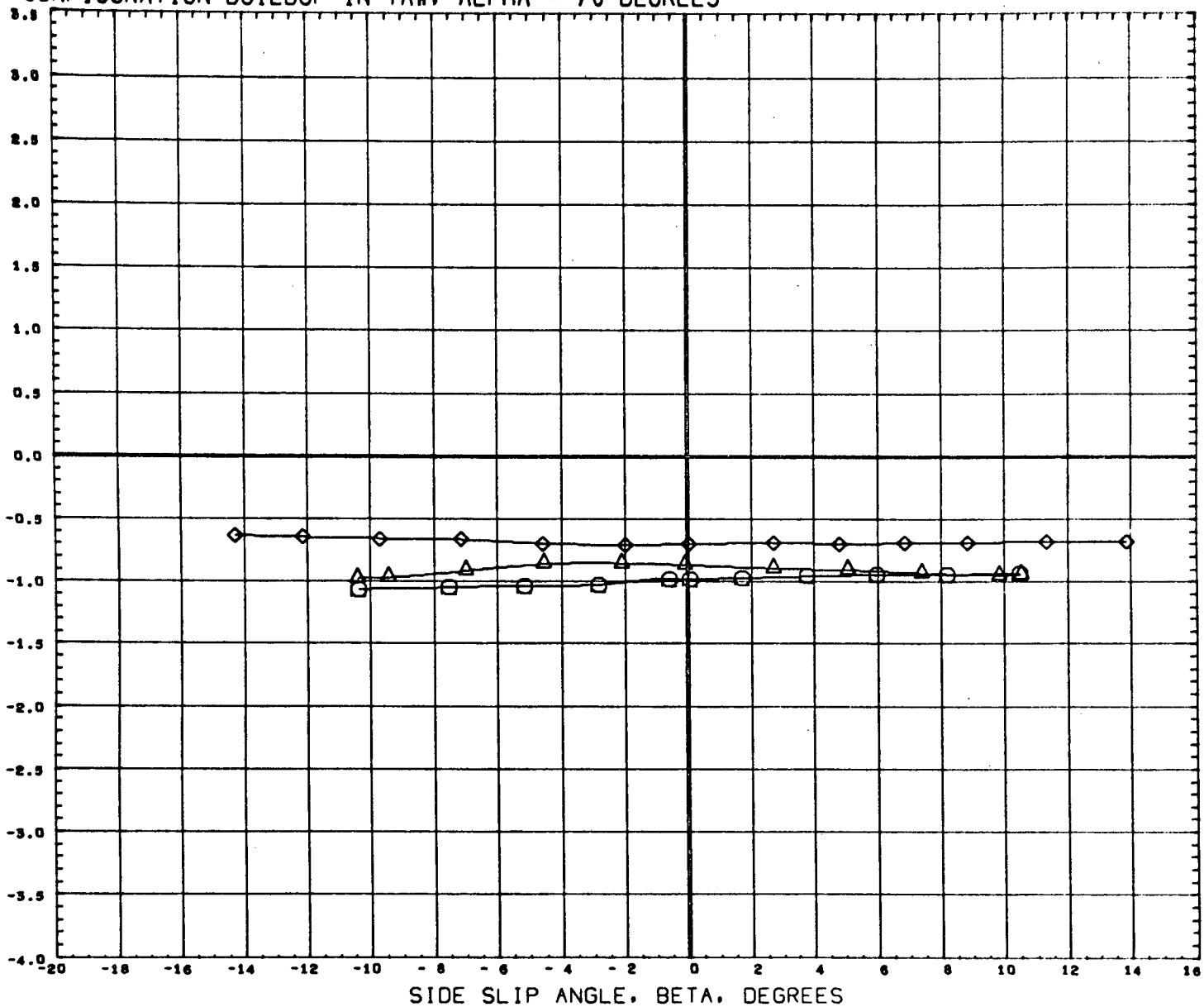
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	8TWT 1273/8SWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	8TWT 1273/8SWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	8TWT 1273/8SWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

C.4

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

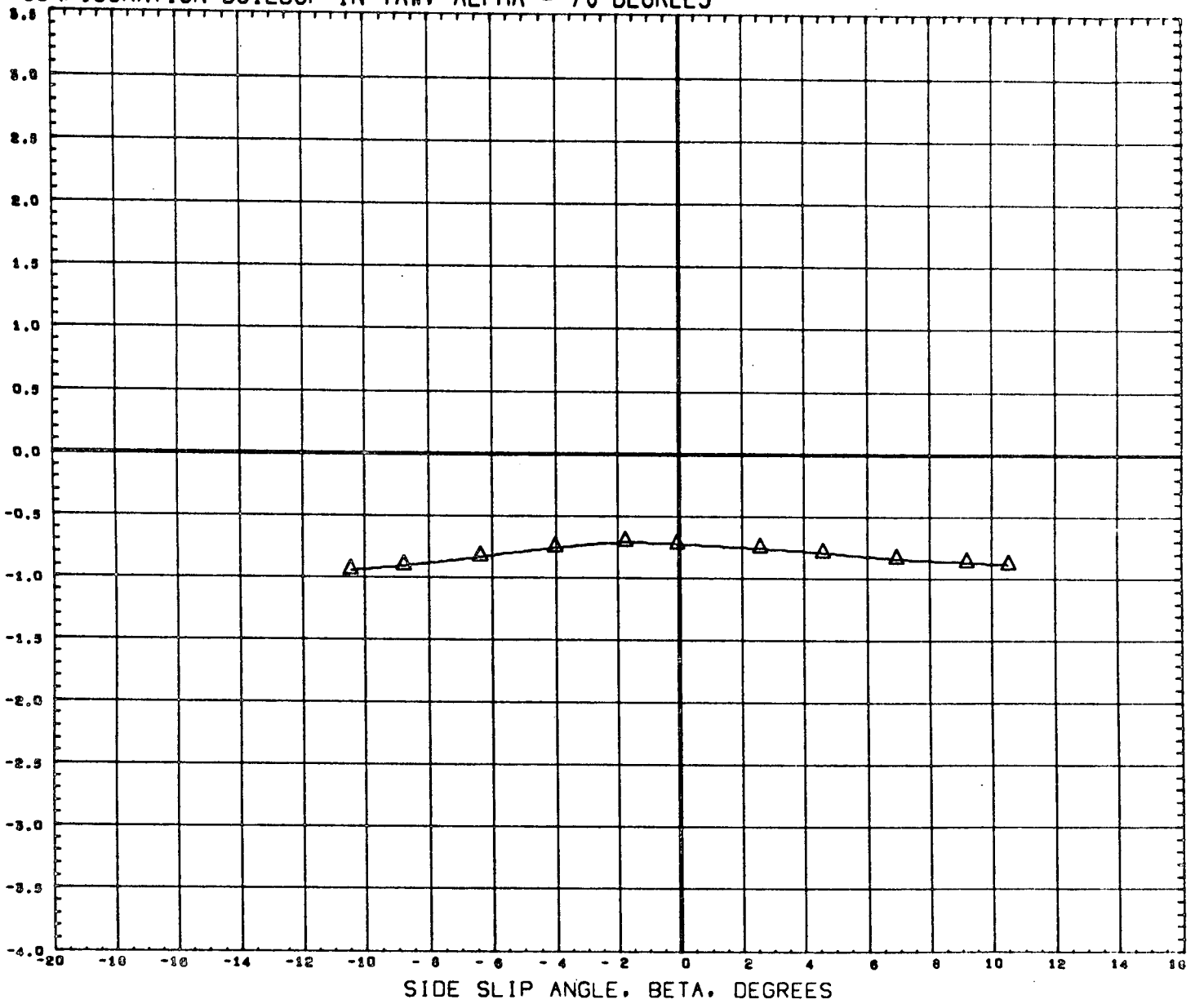


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

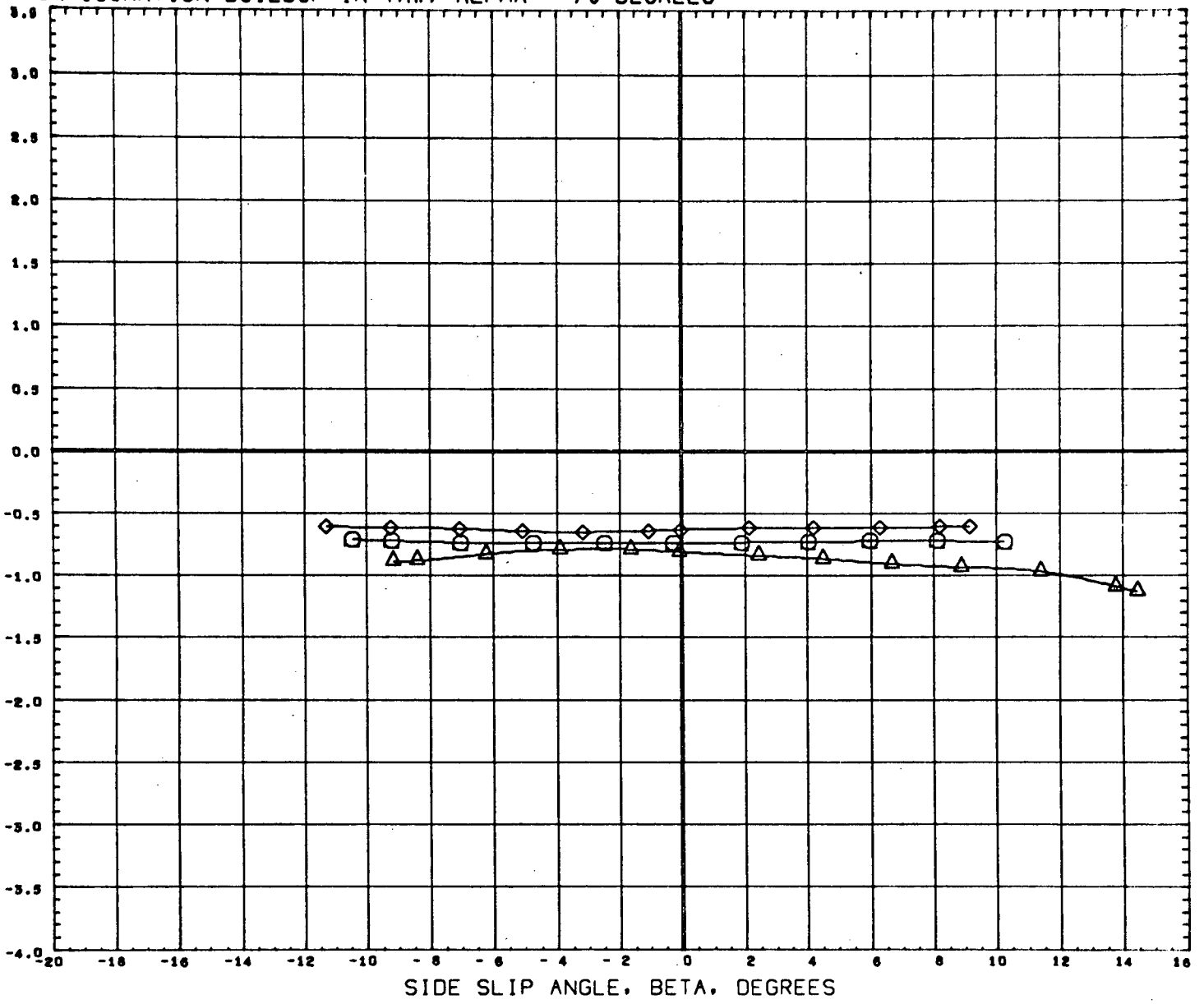


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



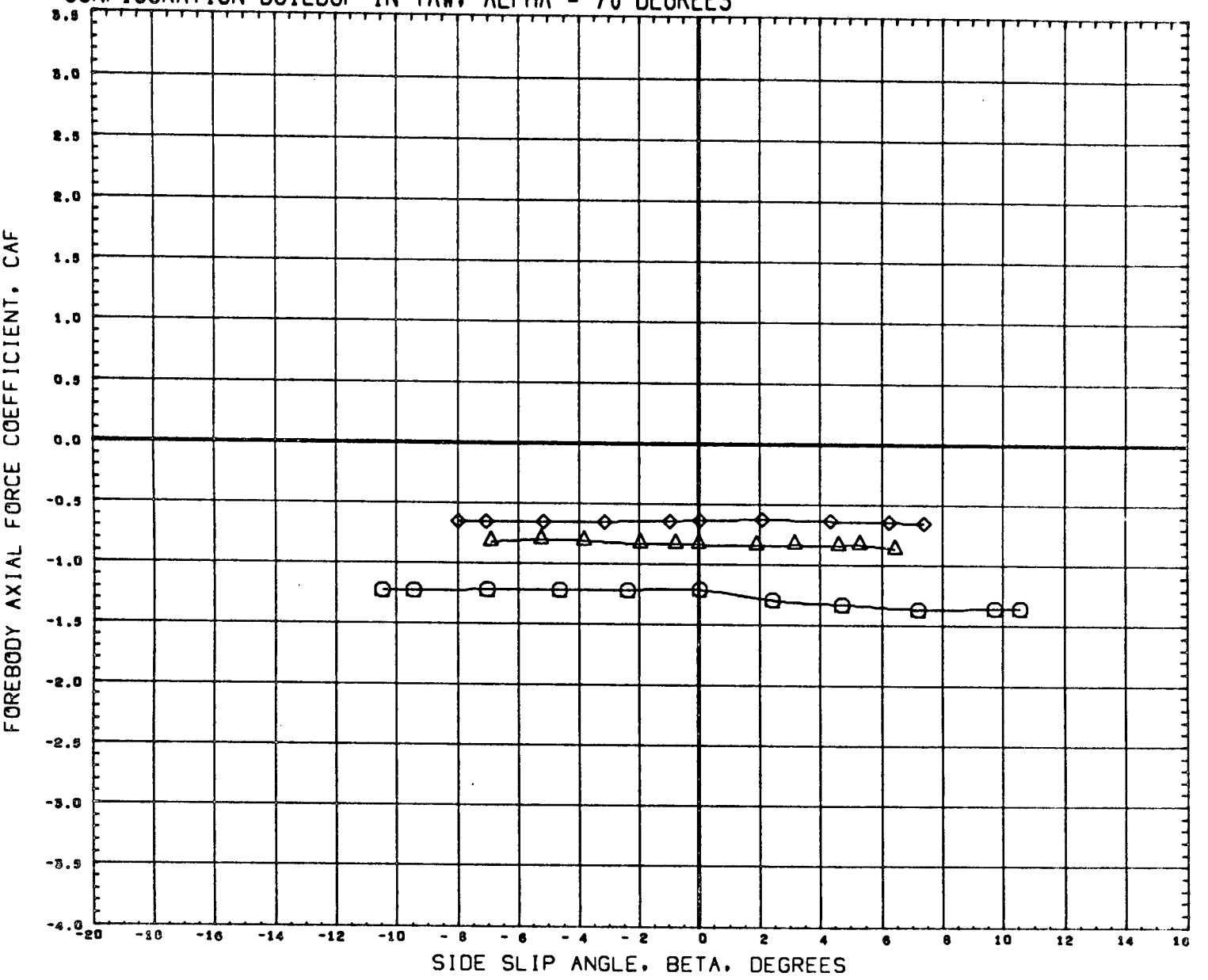
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

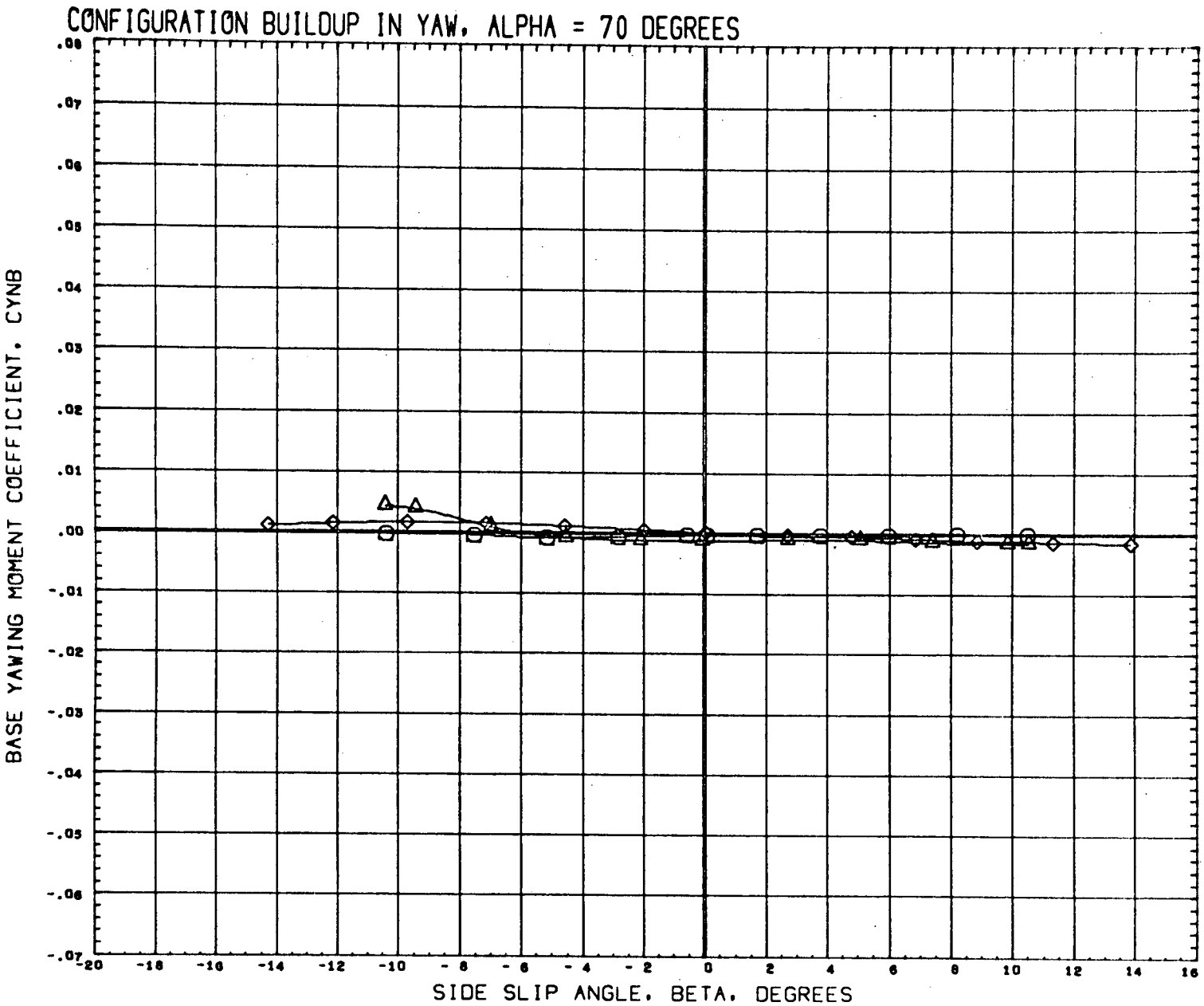


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05



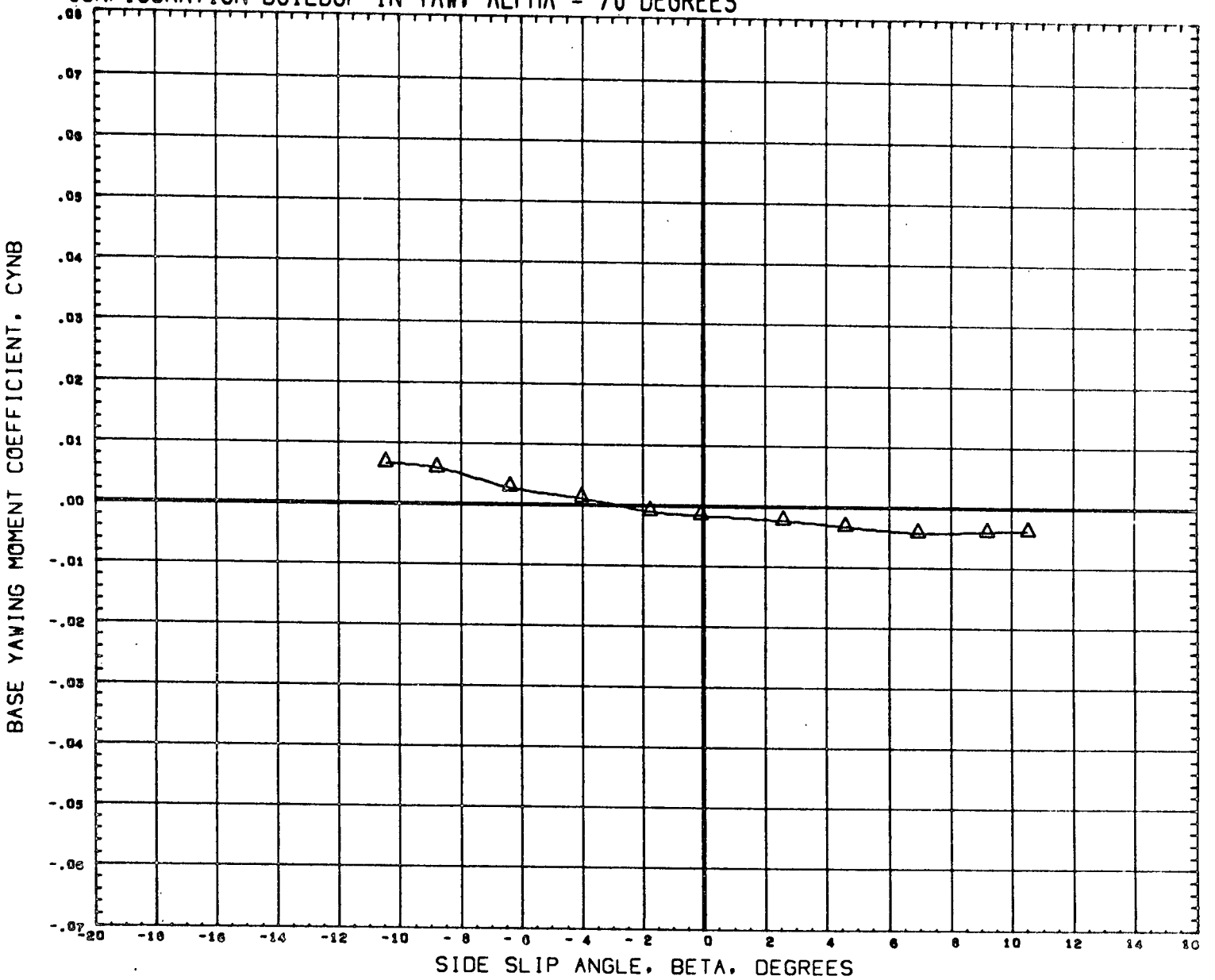
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	☒	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



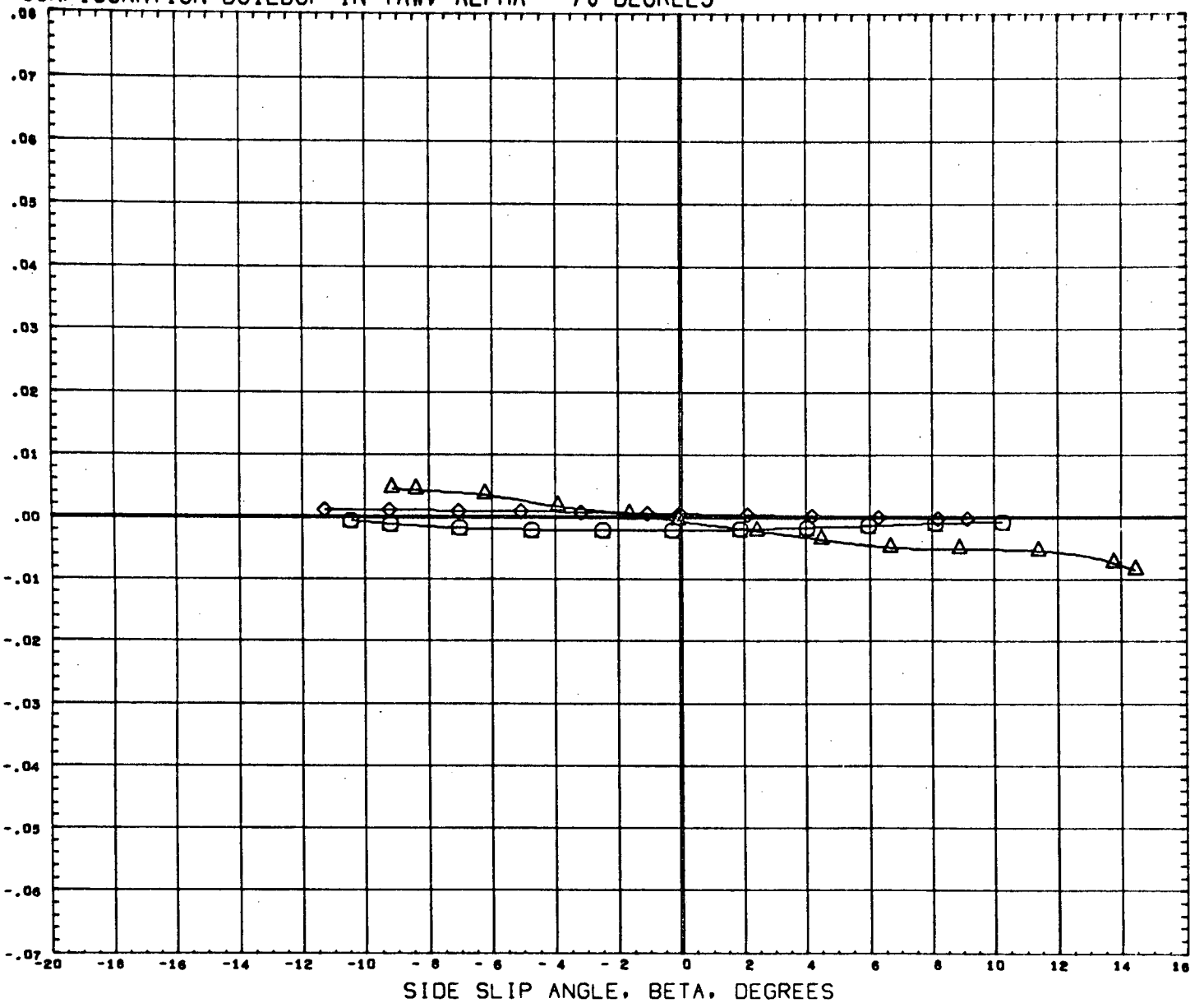
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4036)	△	BTWT 1273/BSWT 353 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

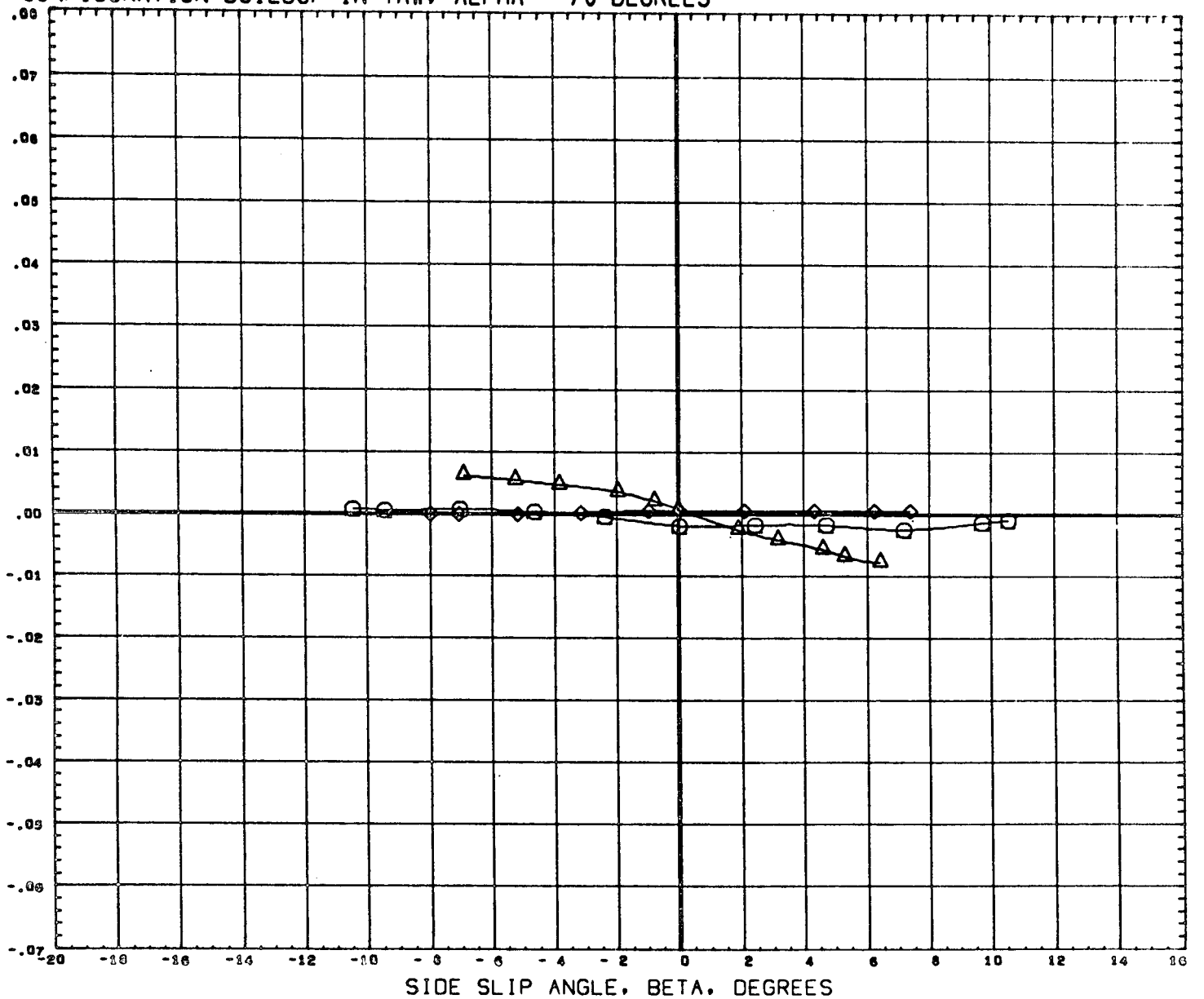


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



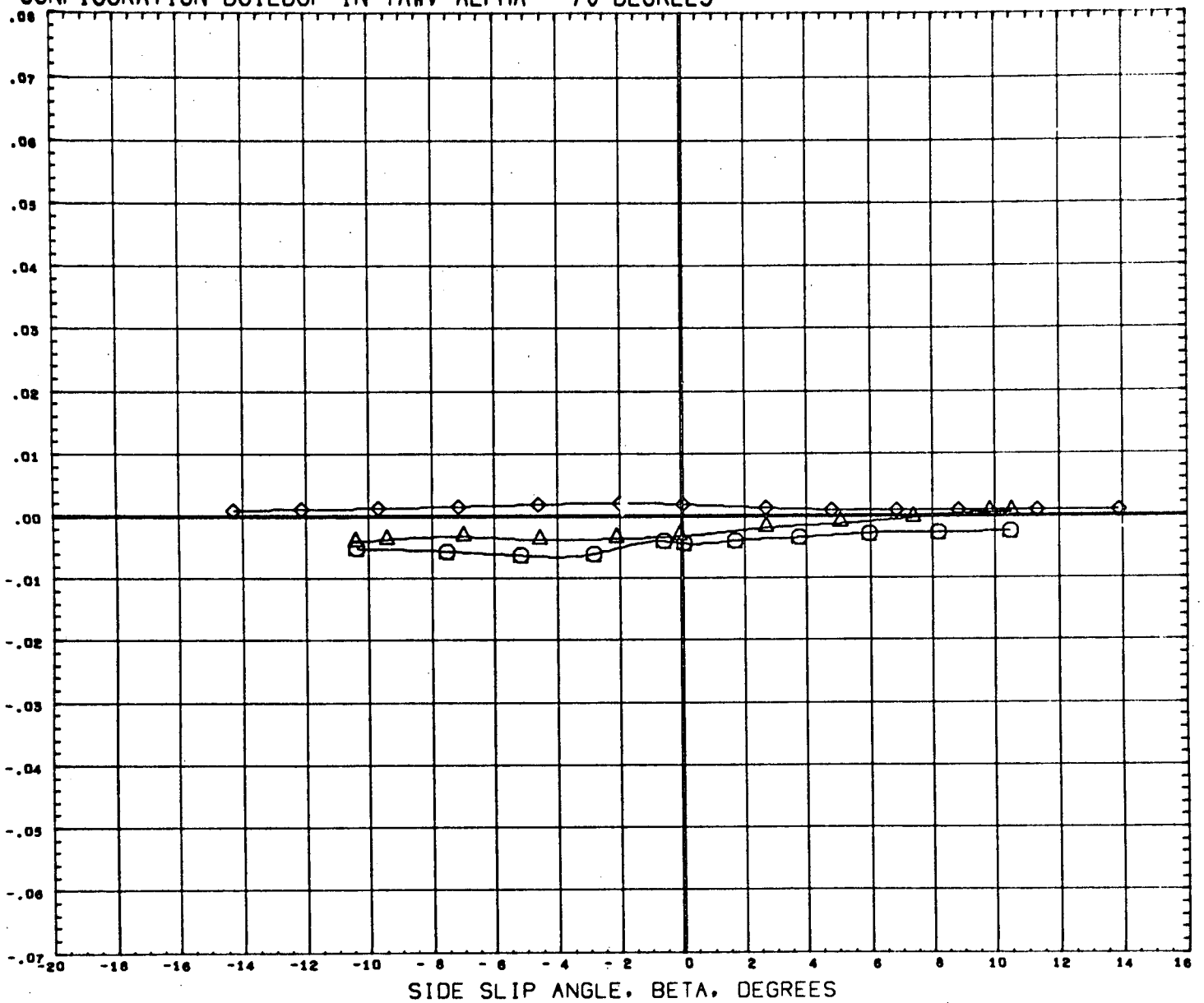
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4026)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

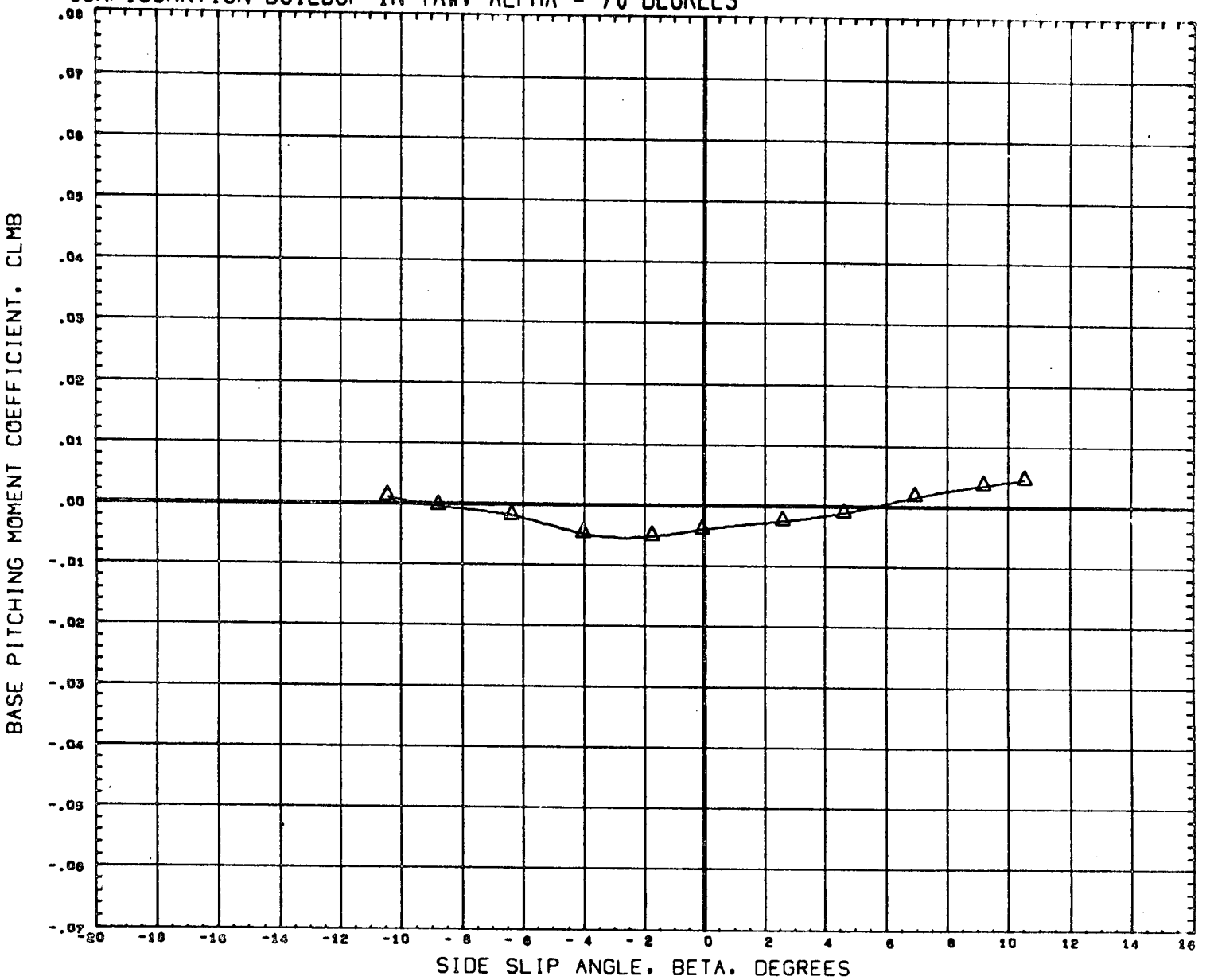


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



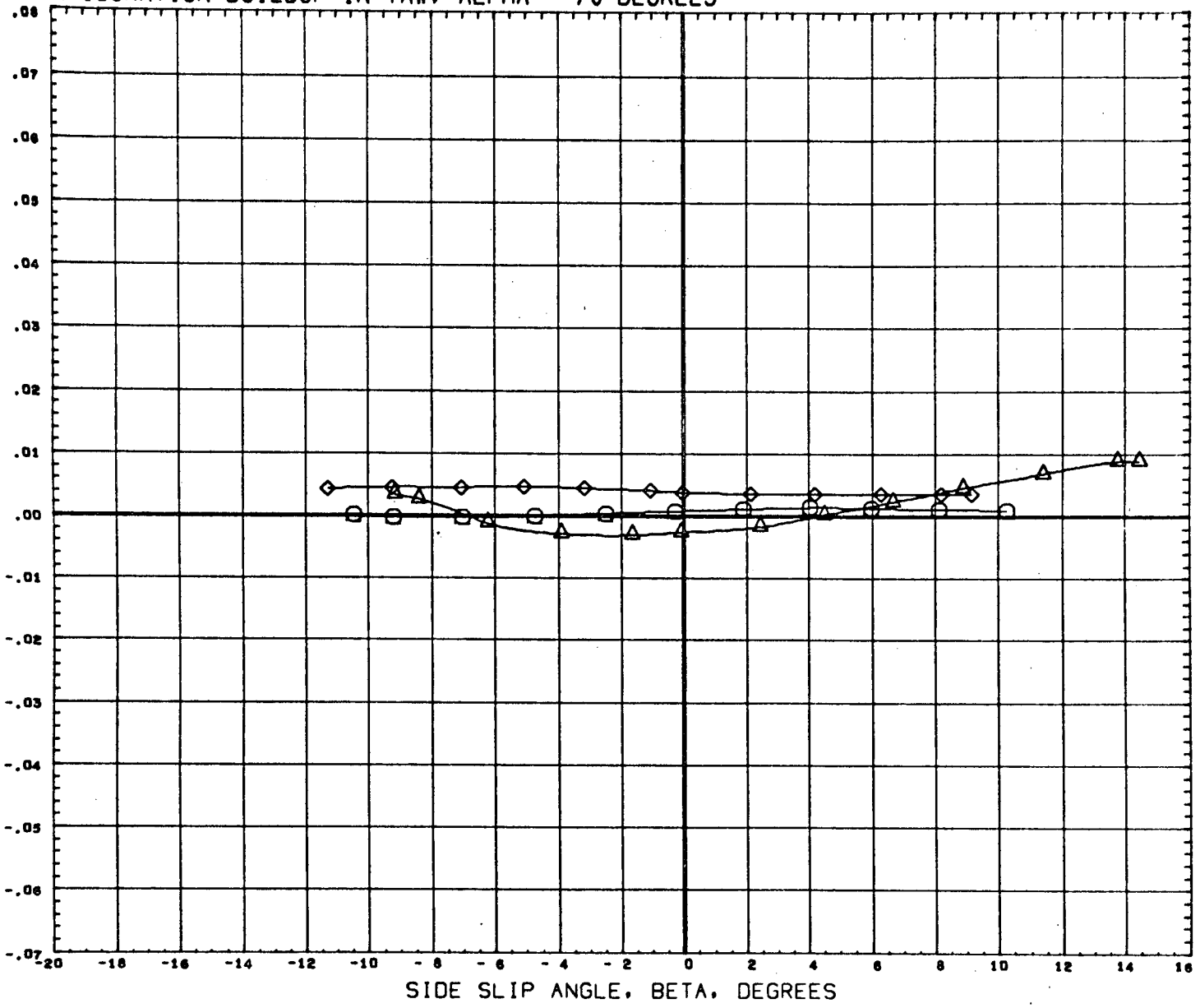
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



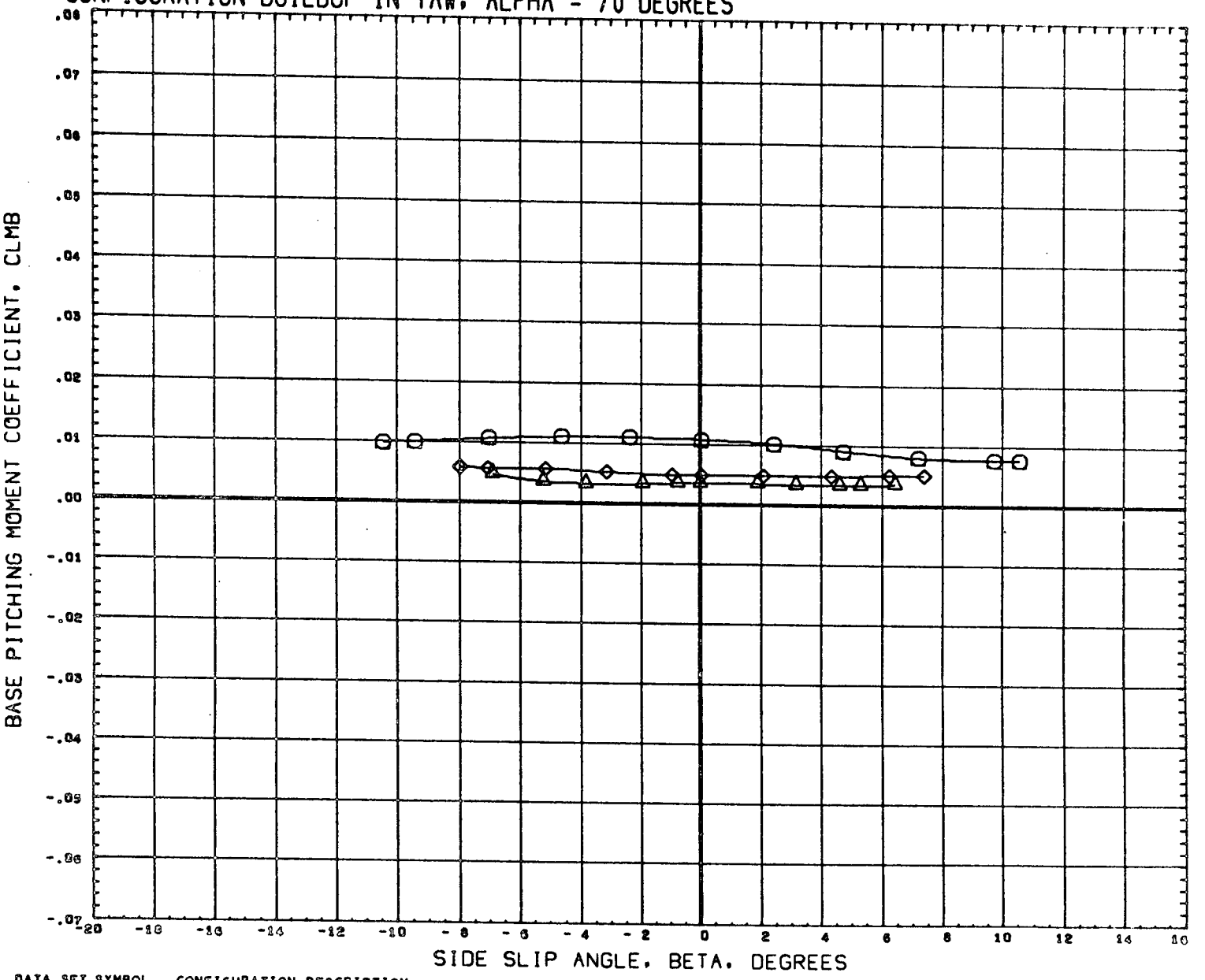
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



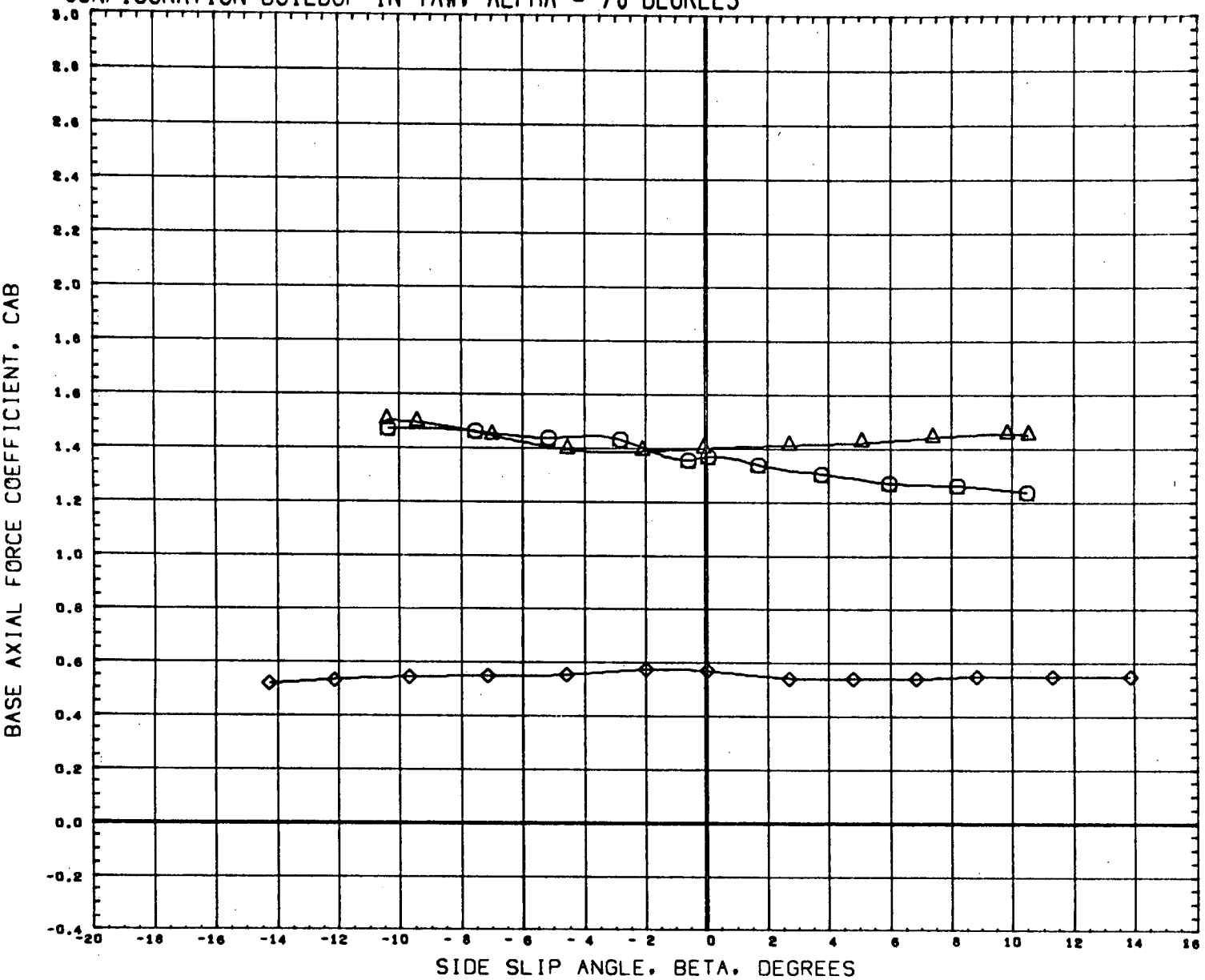
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1S1V1	70.000
(BD4004) ◇	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



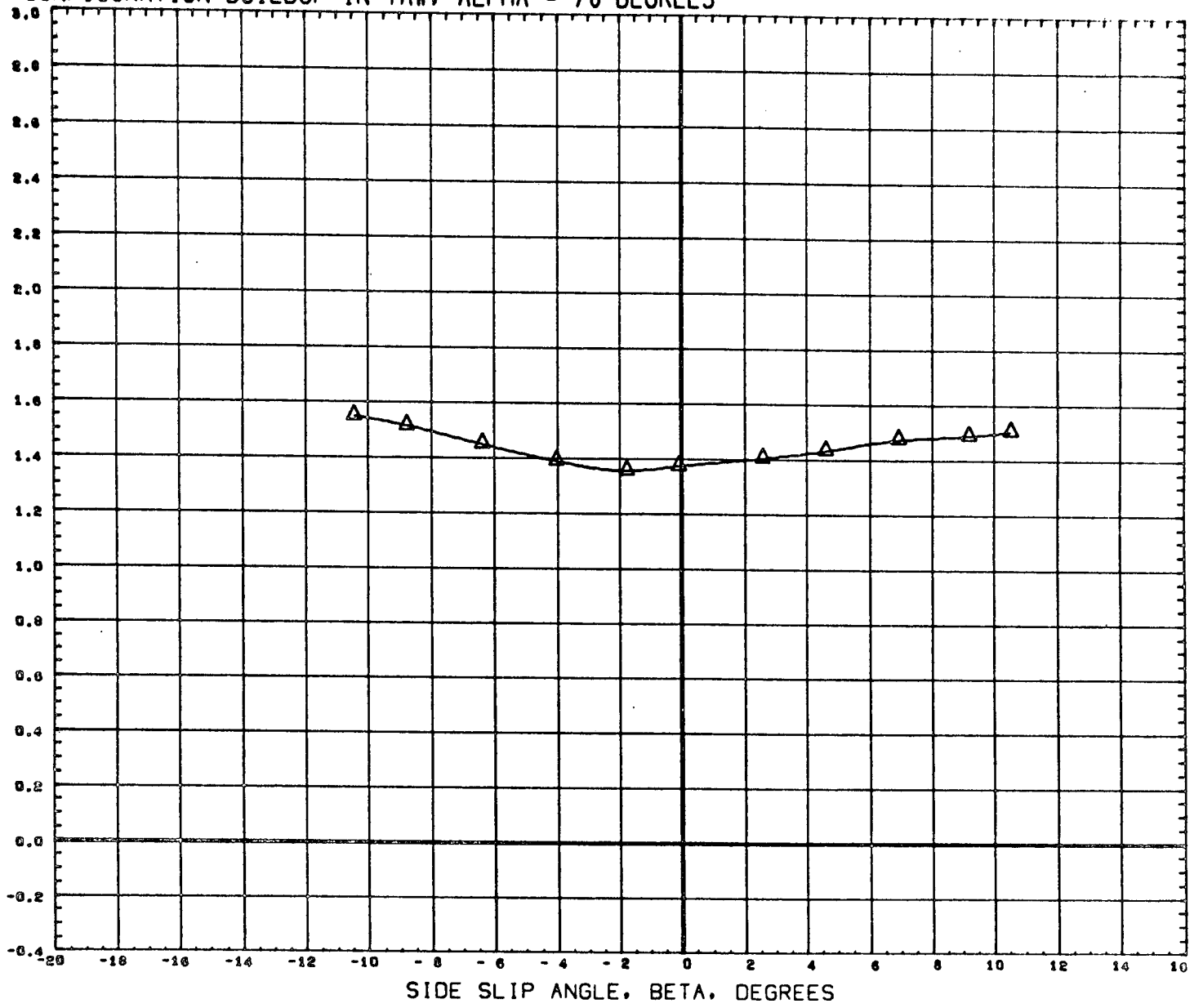
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



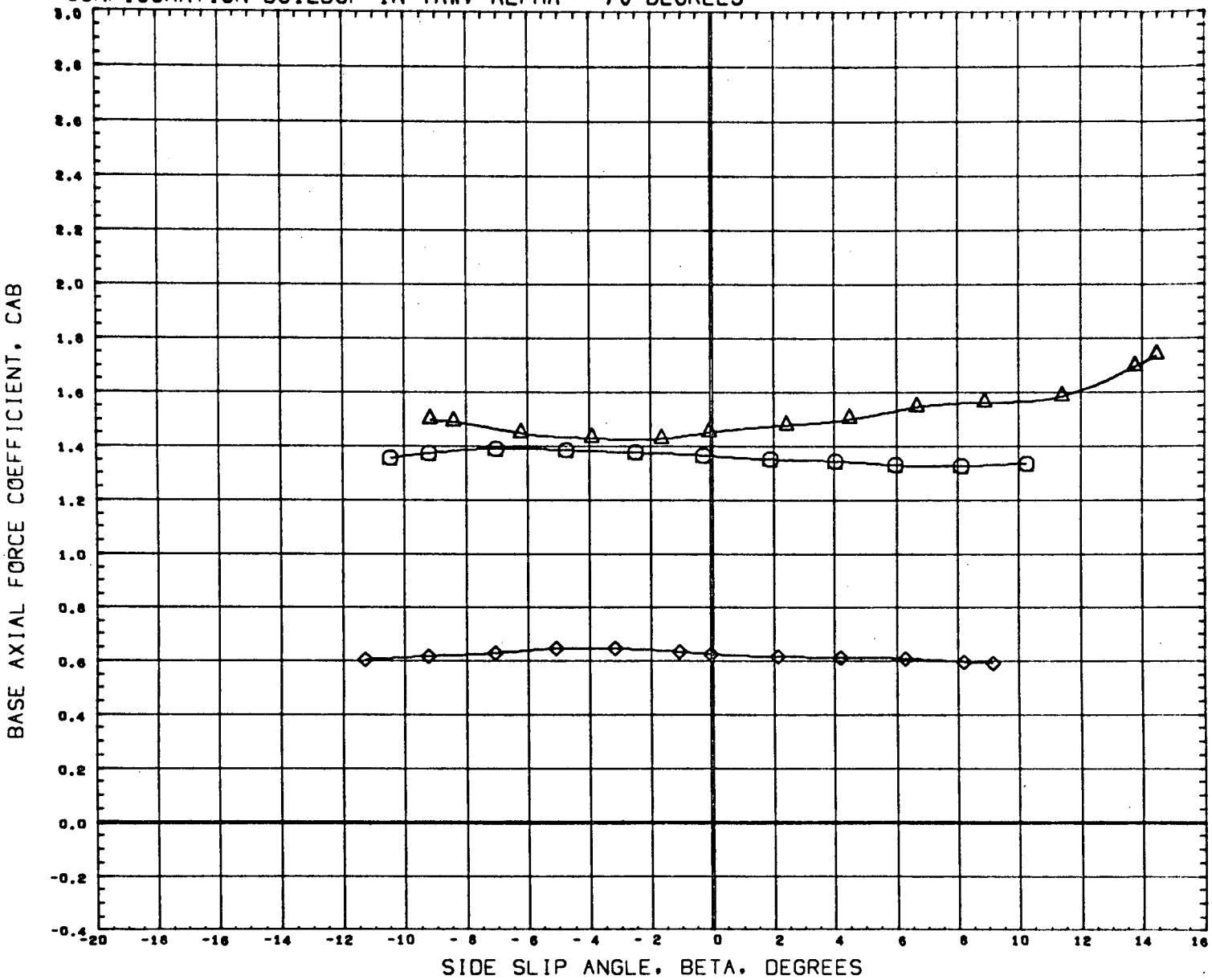
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4024)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(BD4034)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4800	IN.
BREF	17.4800	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES



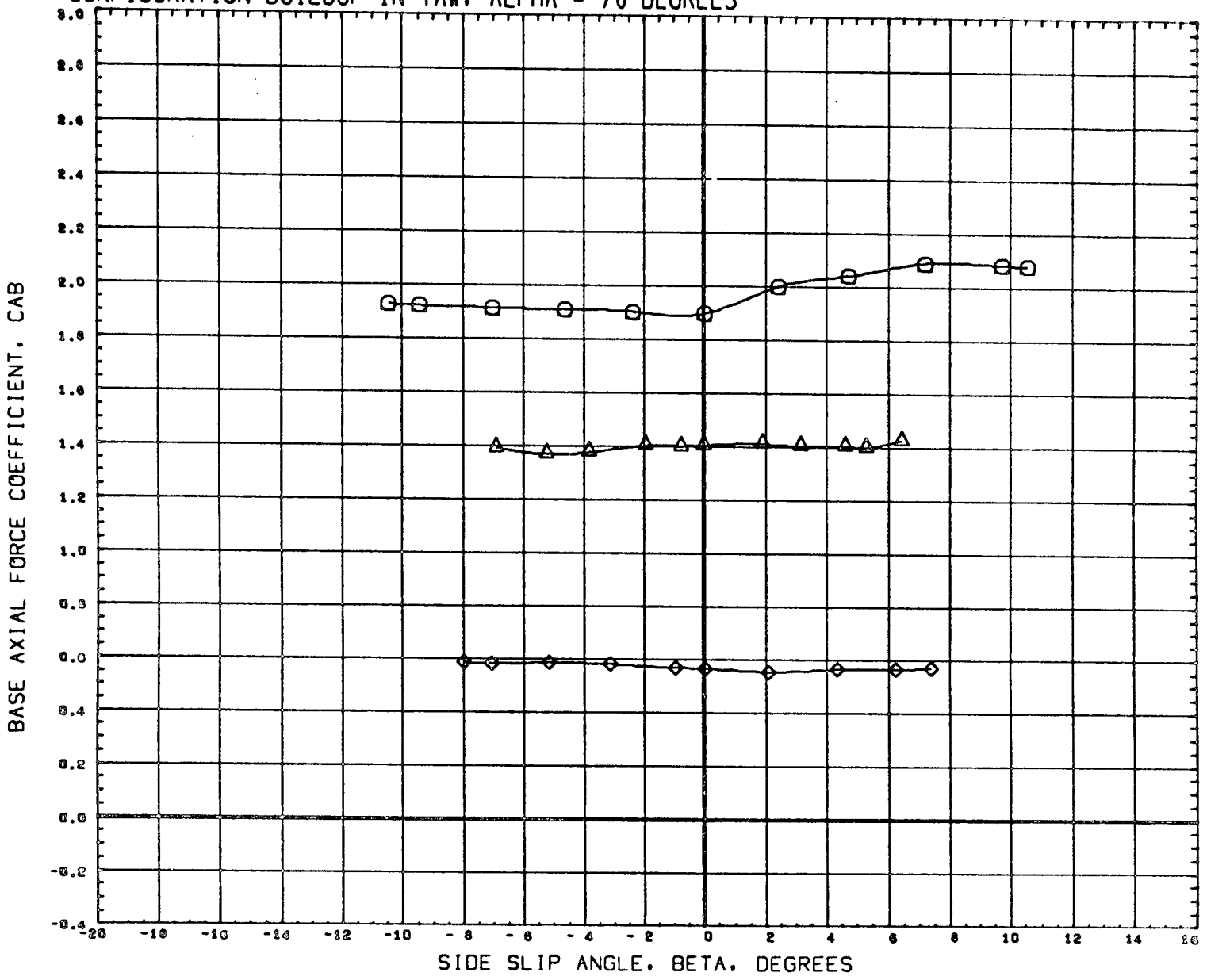
DATA SET SYMBOL		CONFIGURATION DESCRIPTION			ALPHA
(AD4024)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	70.000
(BD4034)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	70.000
(BD4064)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

CONFIGURATION BUILDUP IN YAW, ALPHA = 70 DEGREES

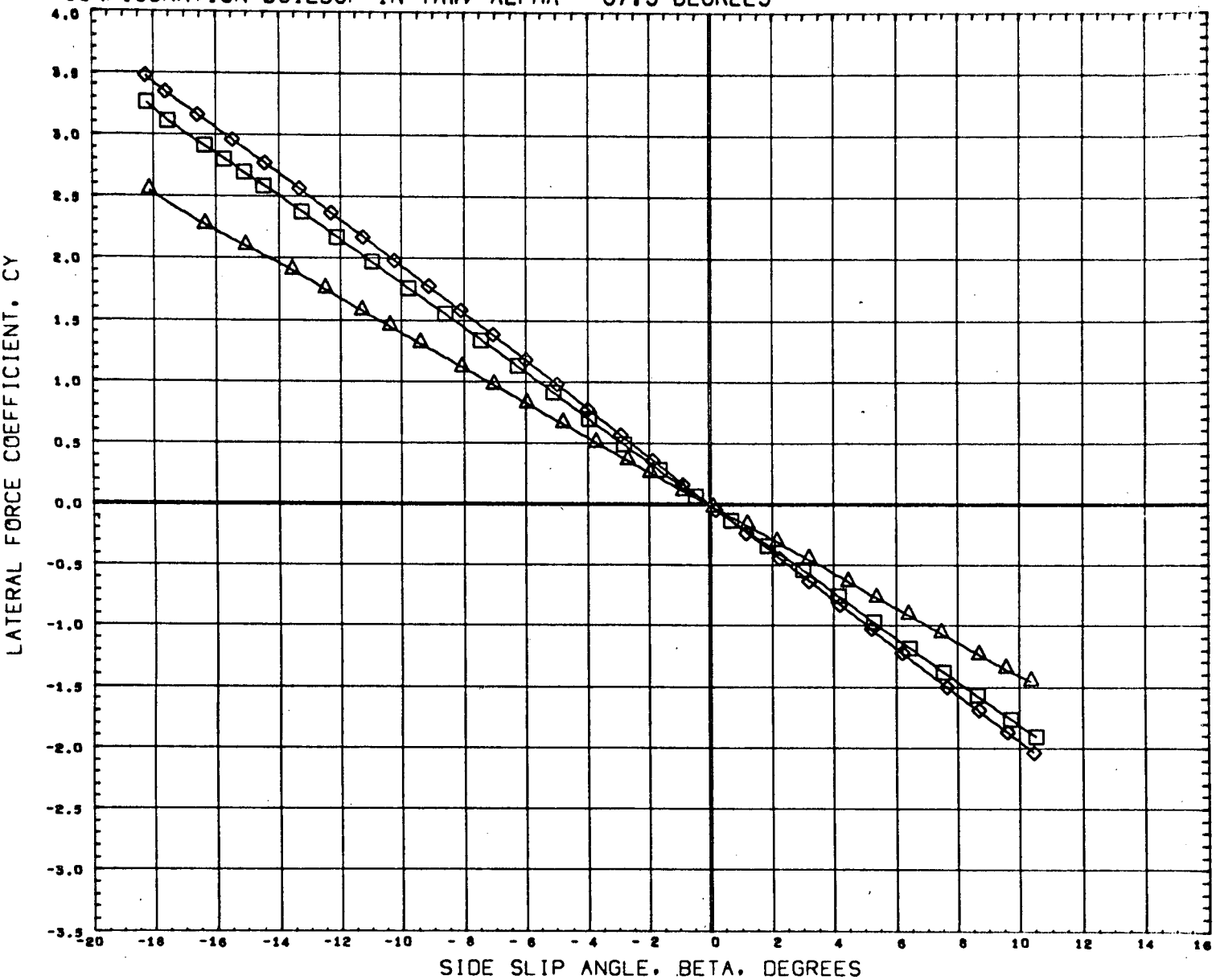


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4024) ○	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1S1	70.000
(BD4034) △	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1S1V1	70.000
(BD4064) ◇	BTWT 1273/BSWT 593	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

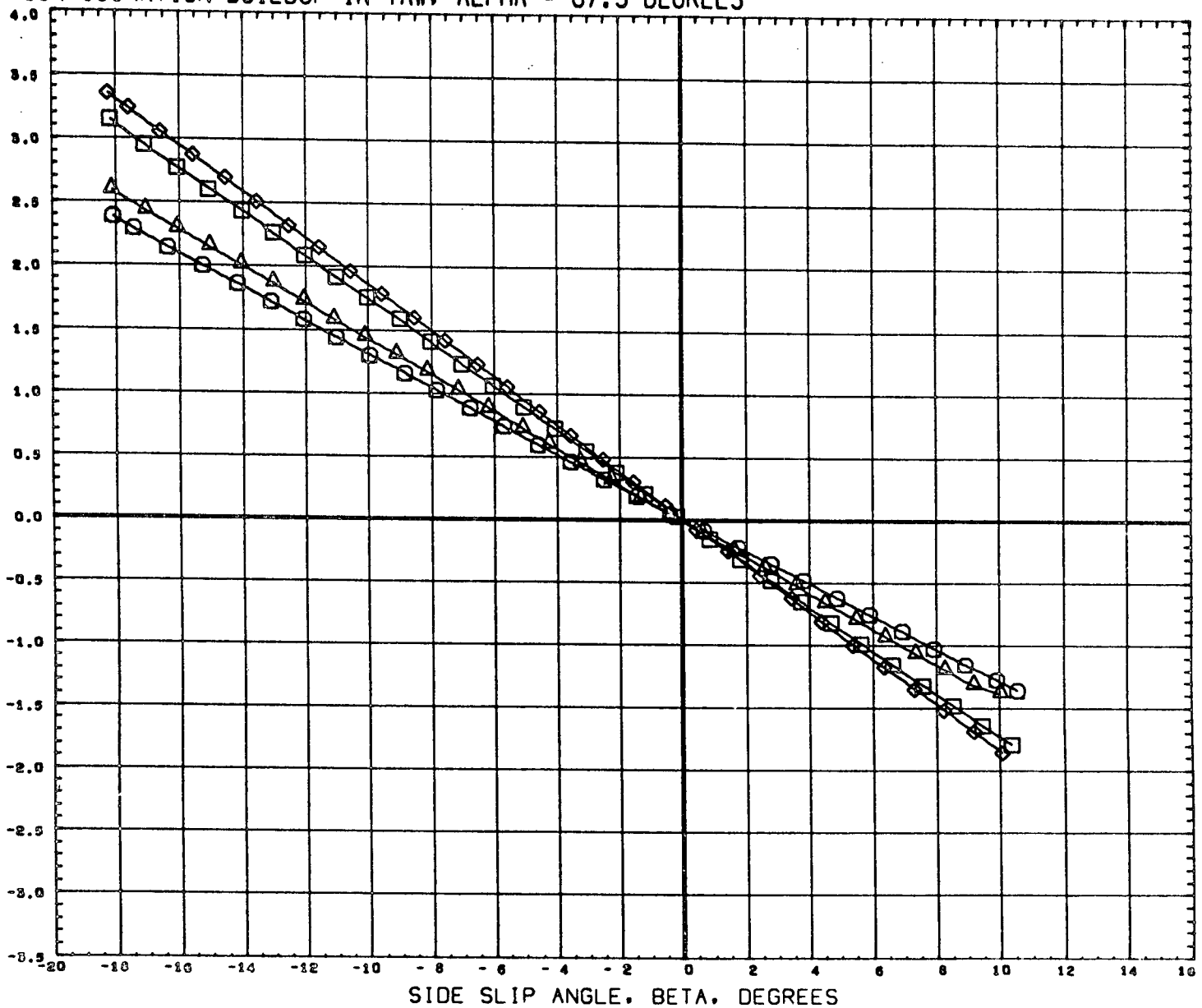


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

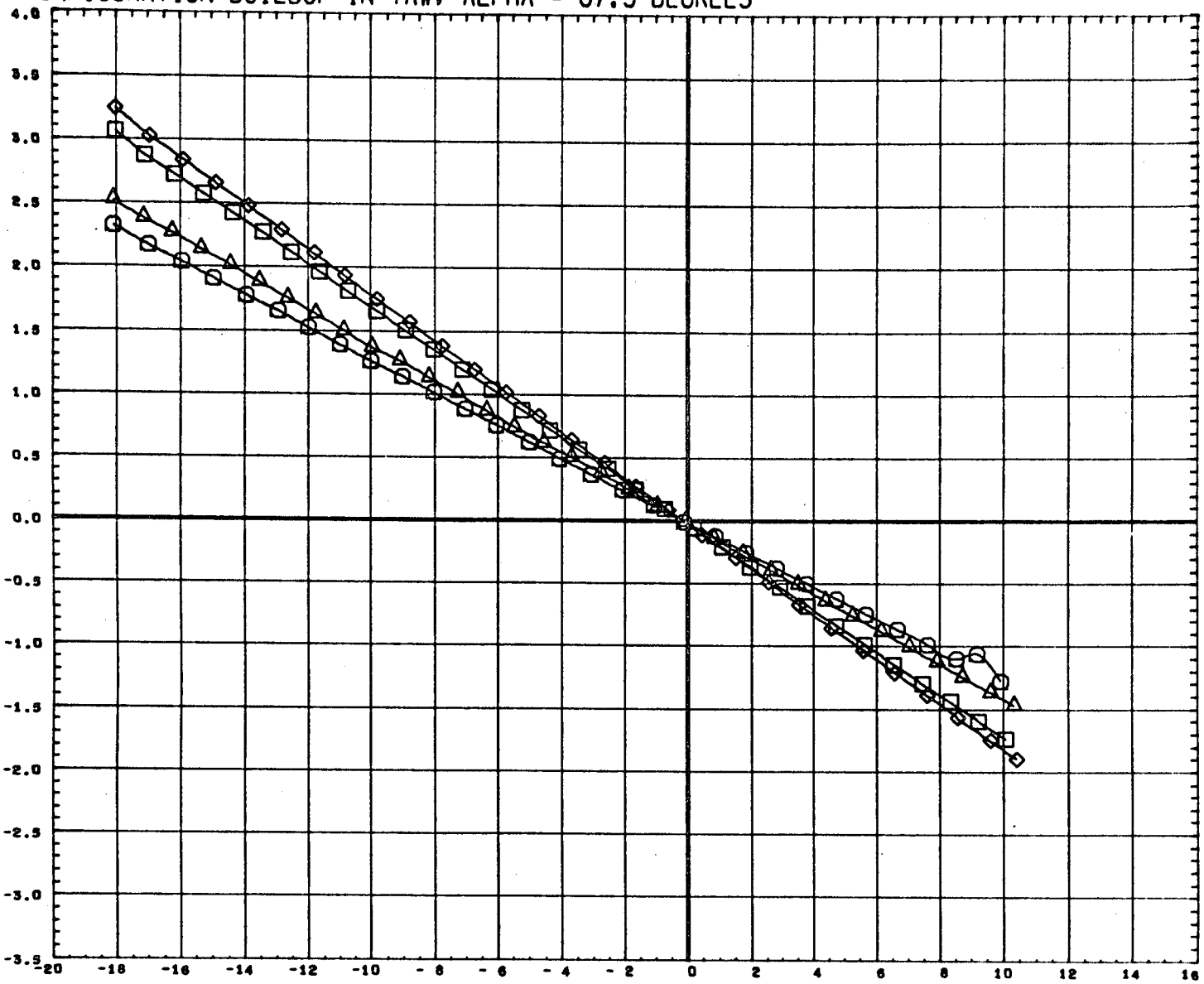


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 953	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 953	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 953	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 953	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



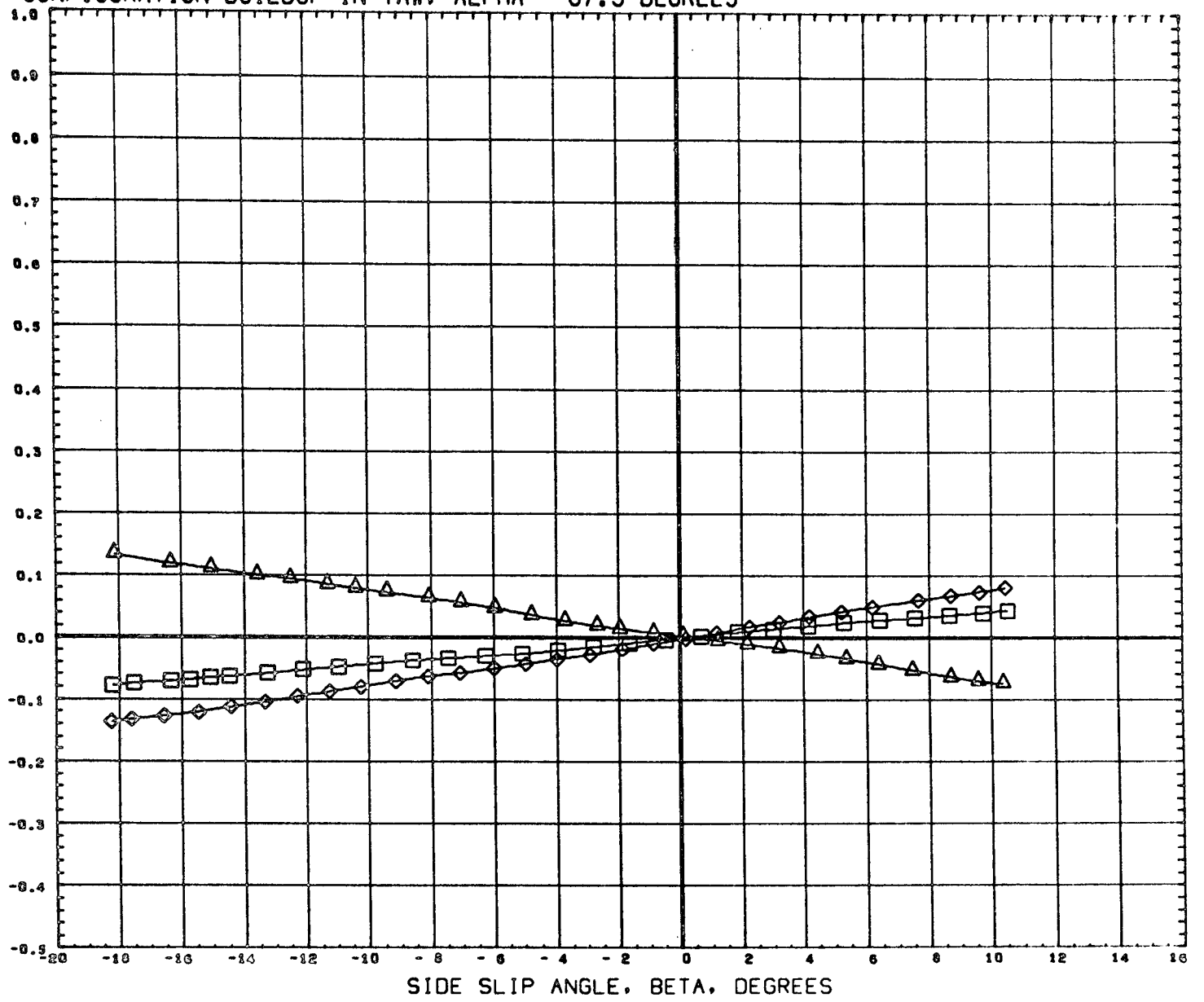
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

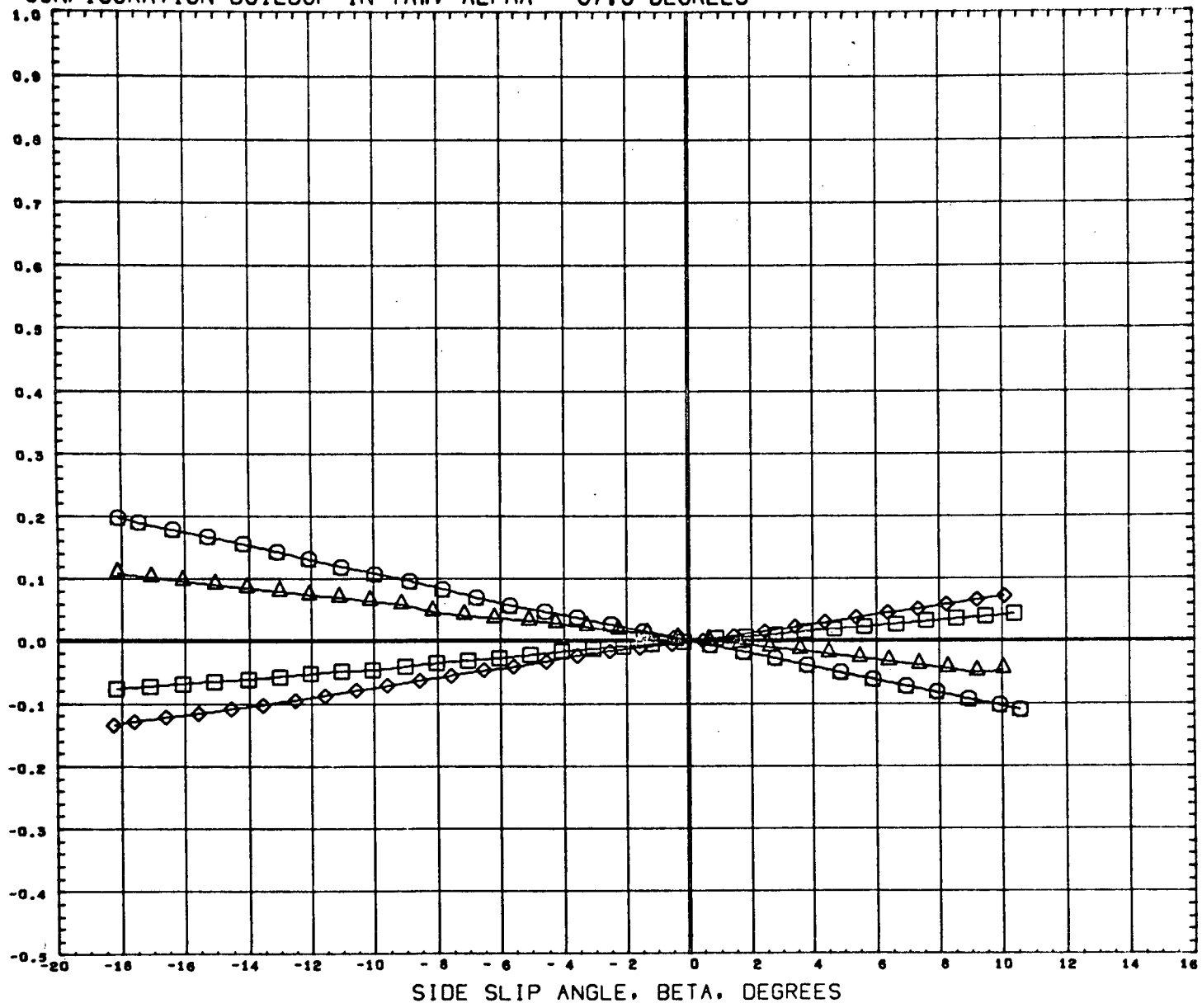


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



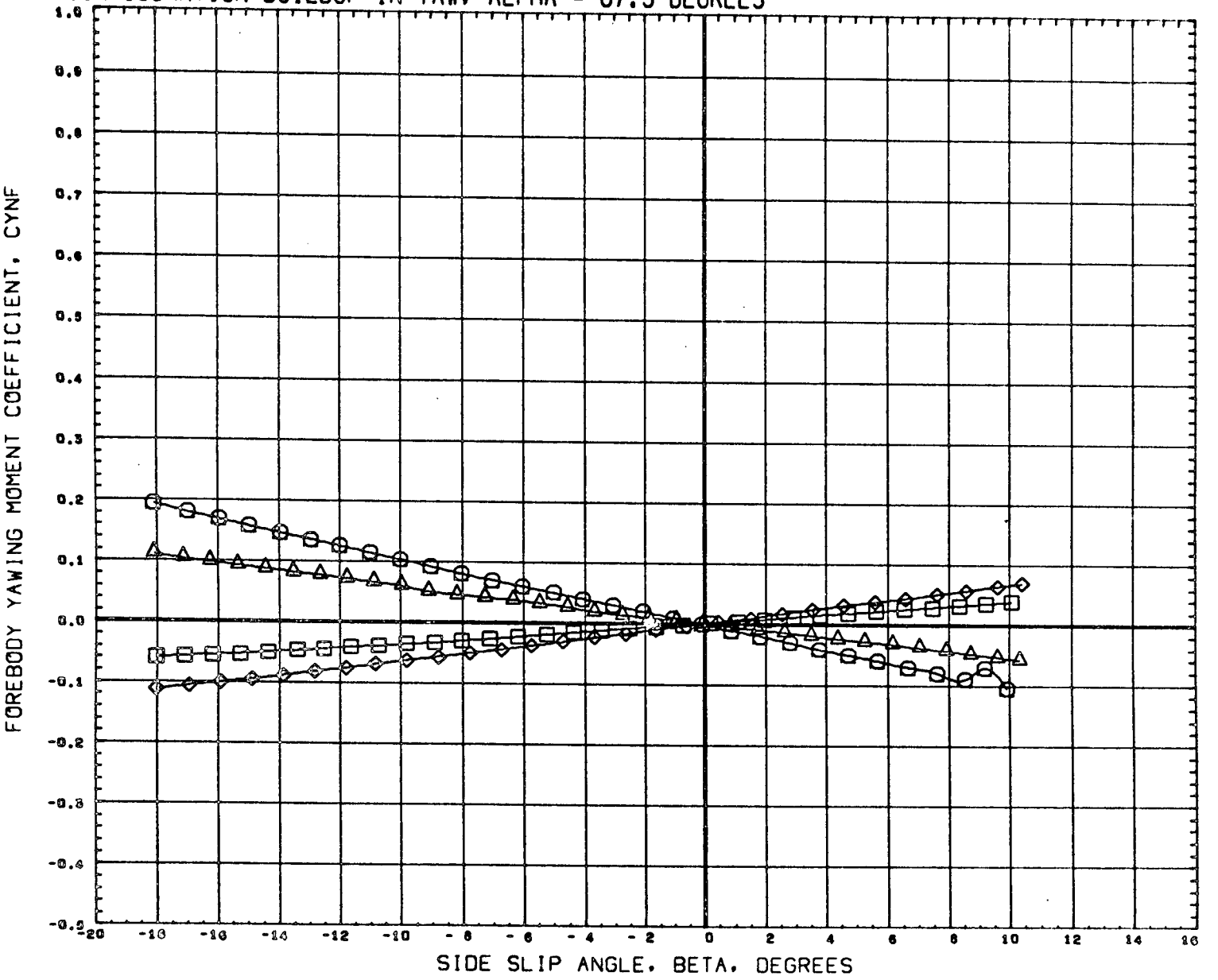
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

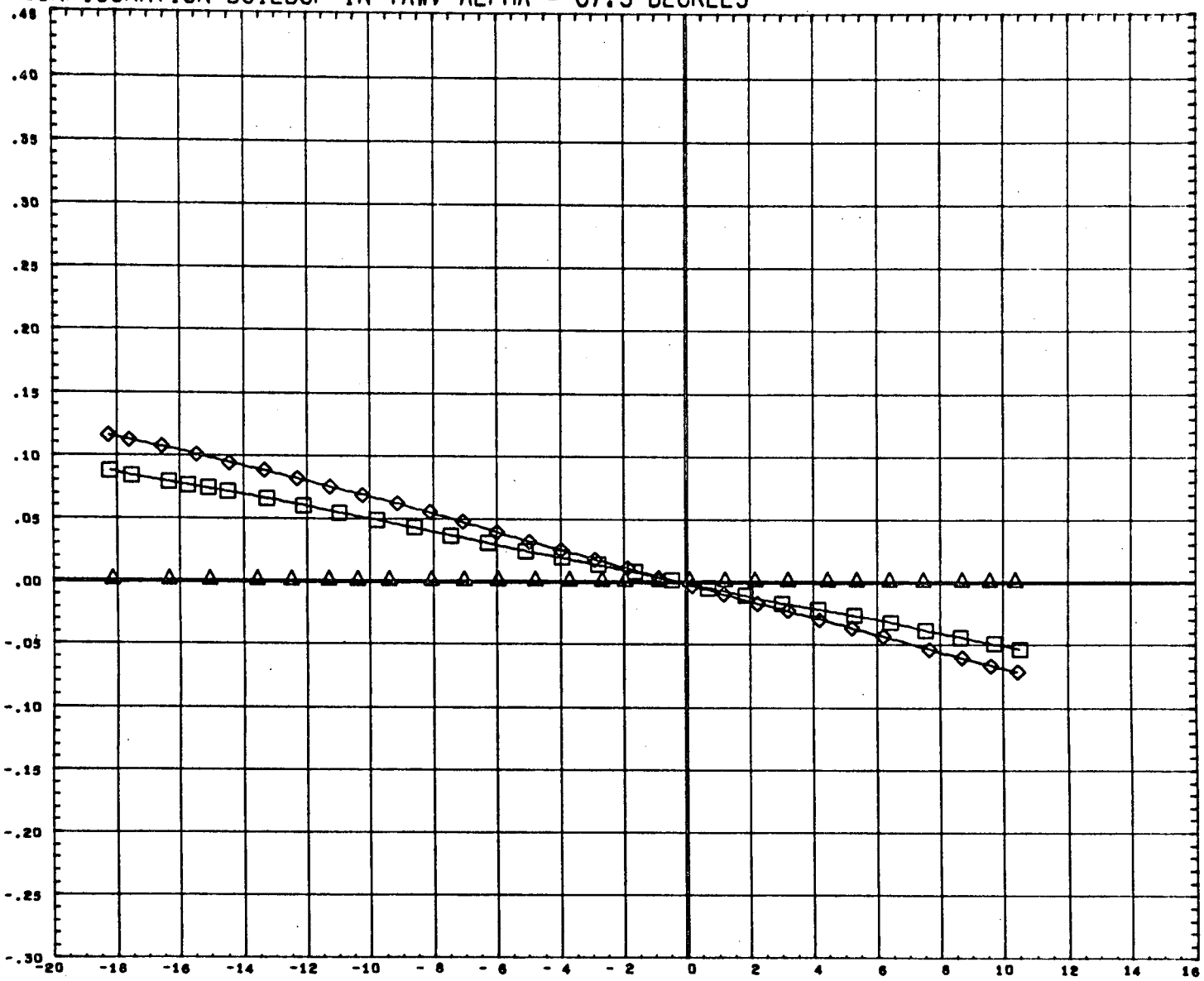


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



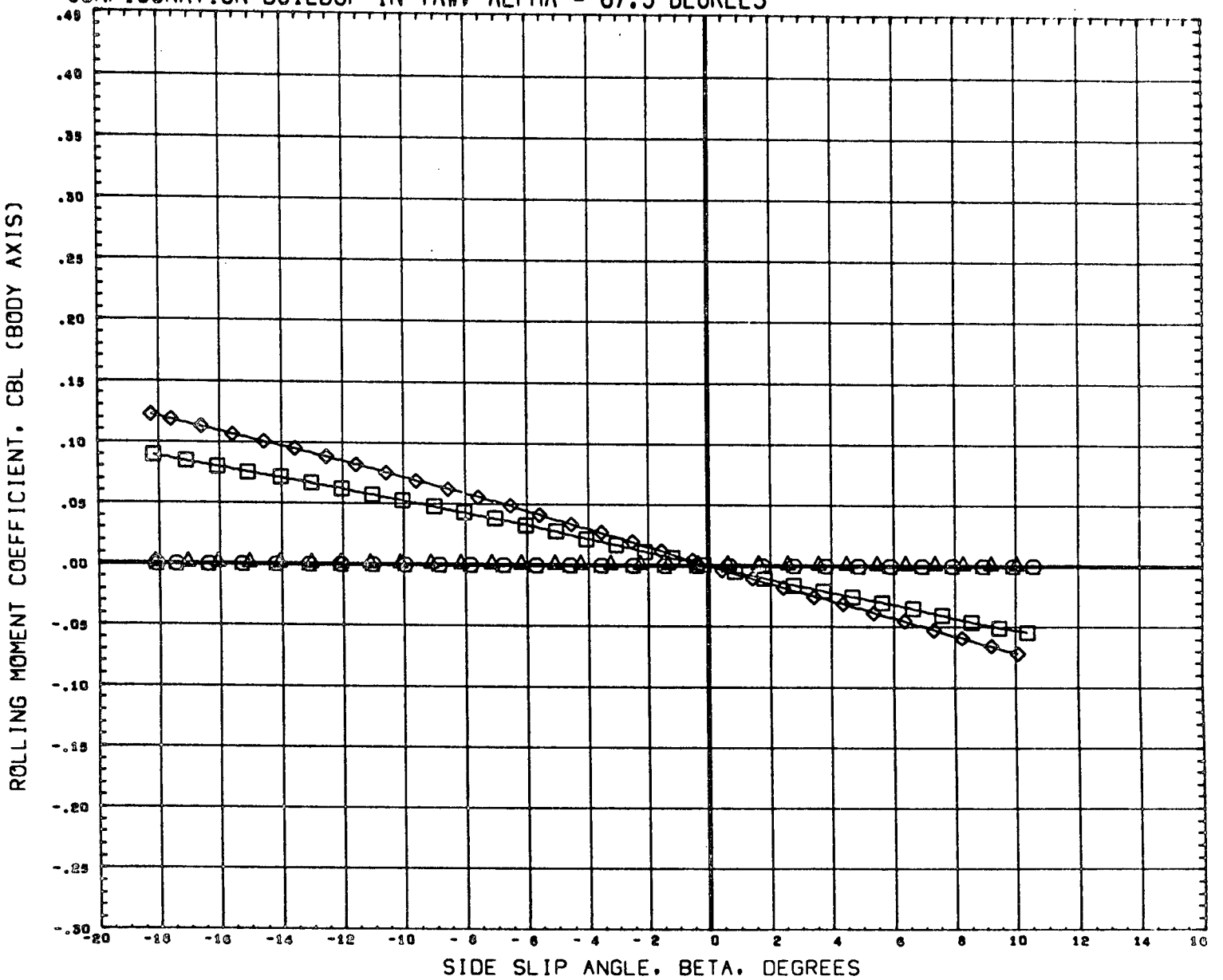
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

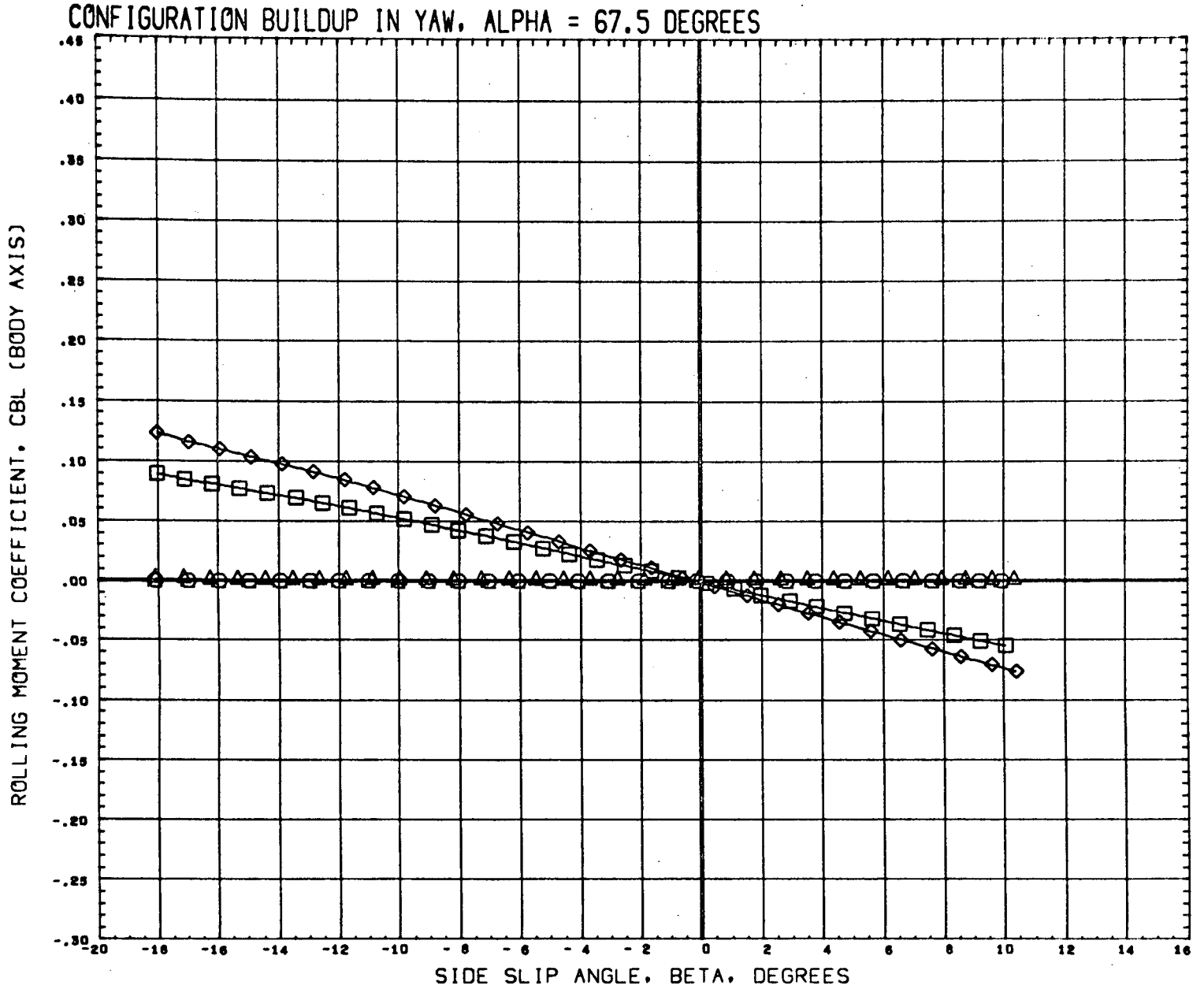


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



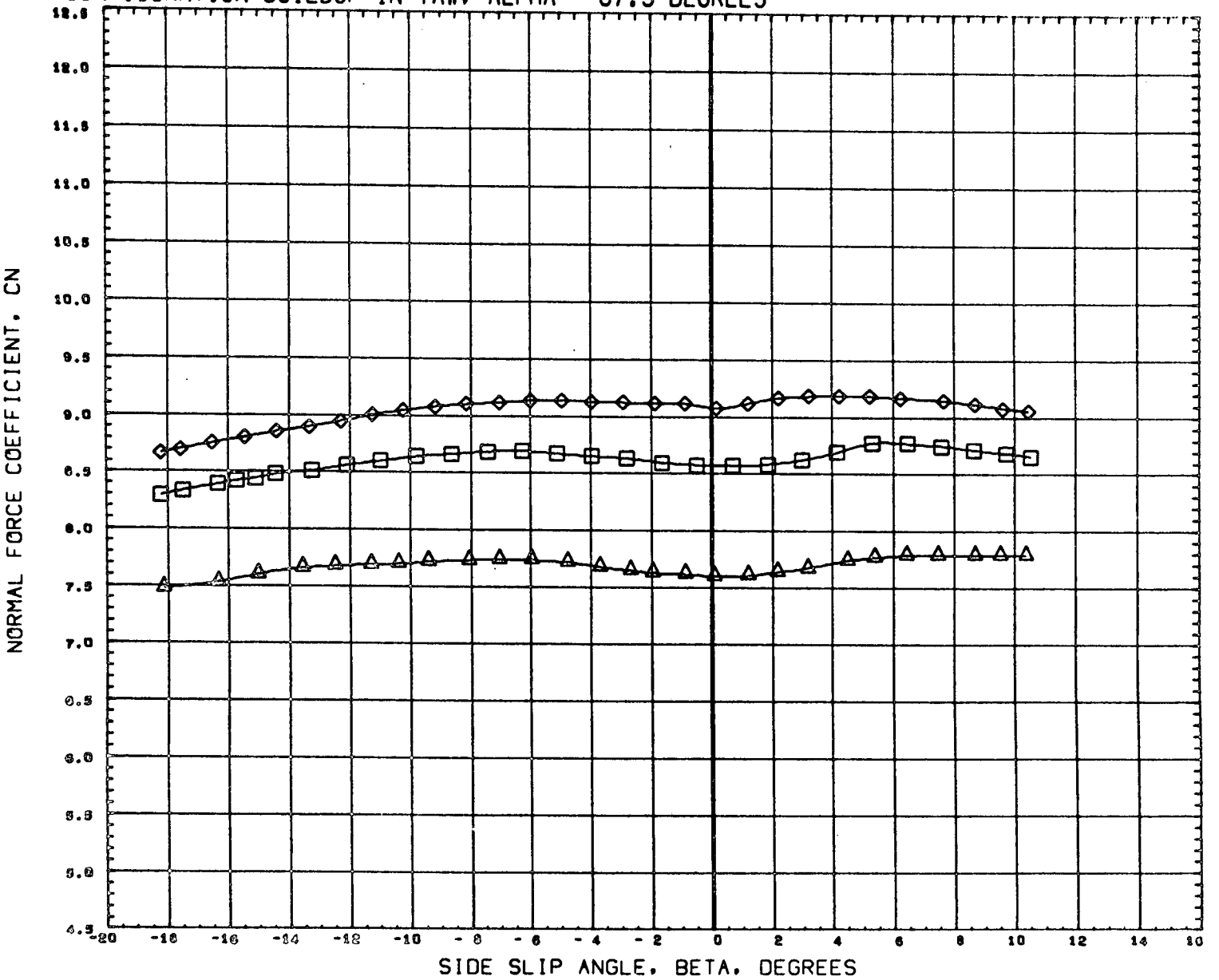
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

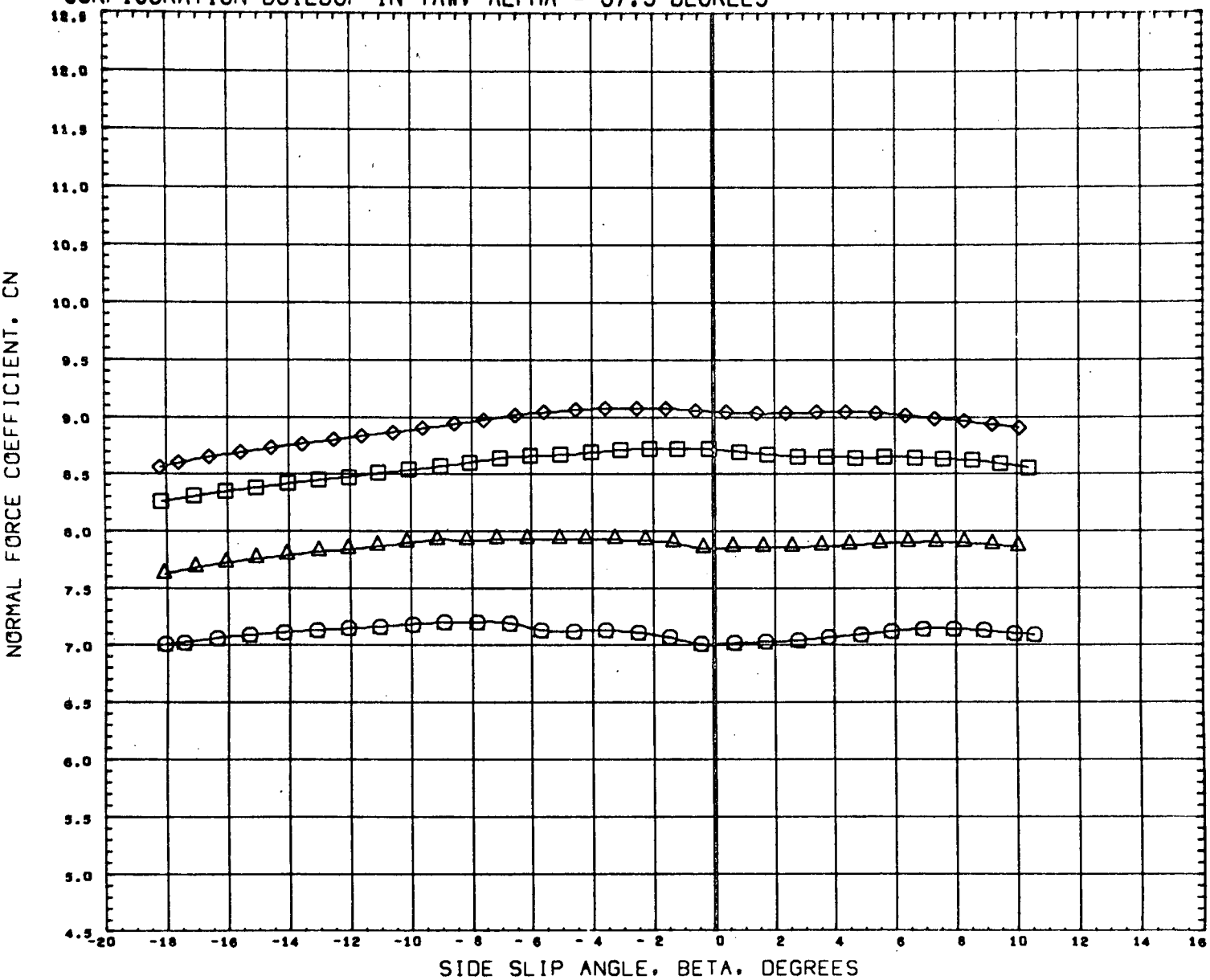


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



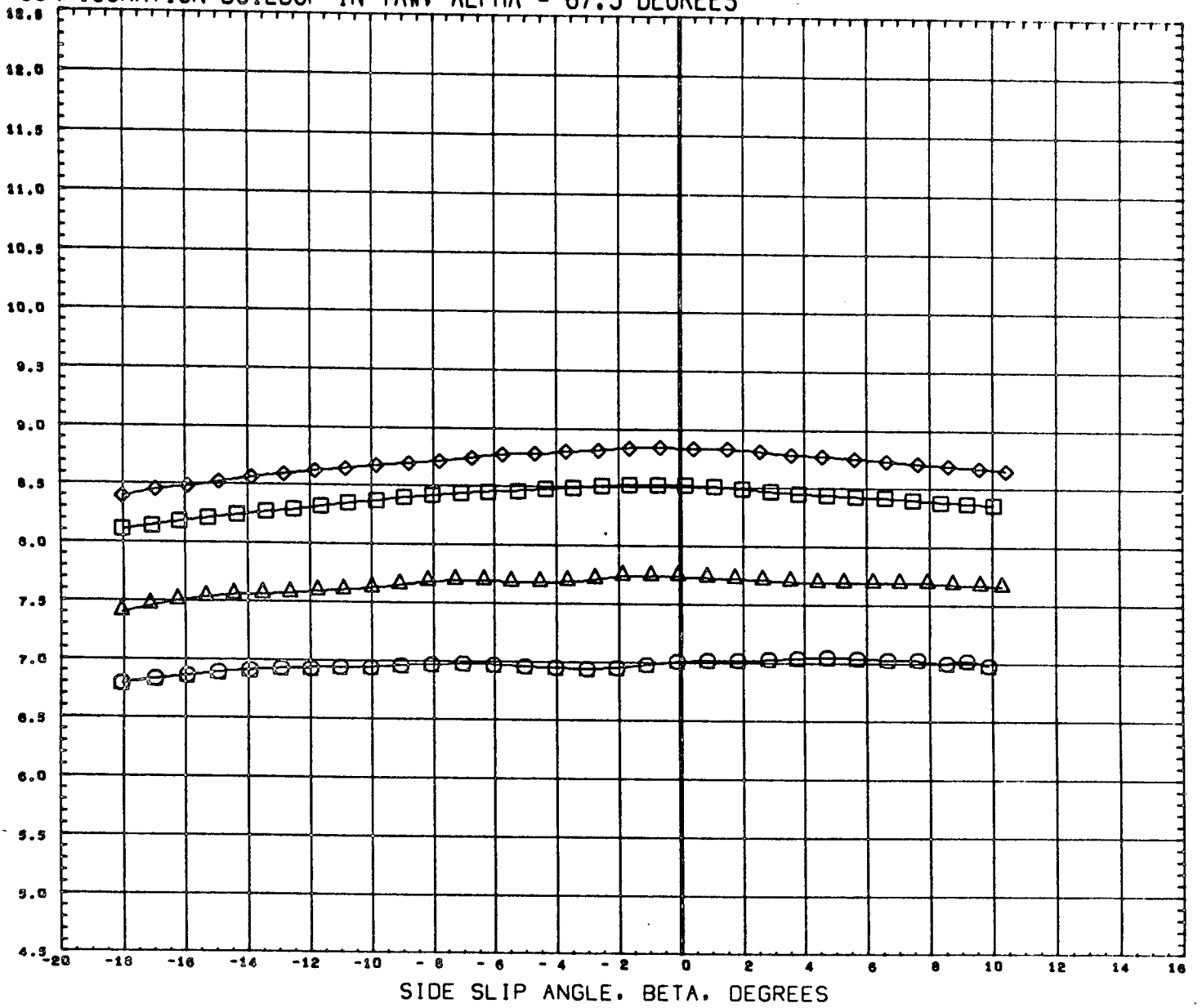
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



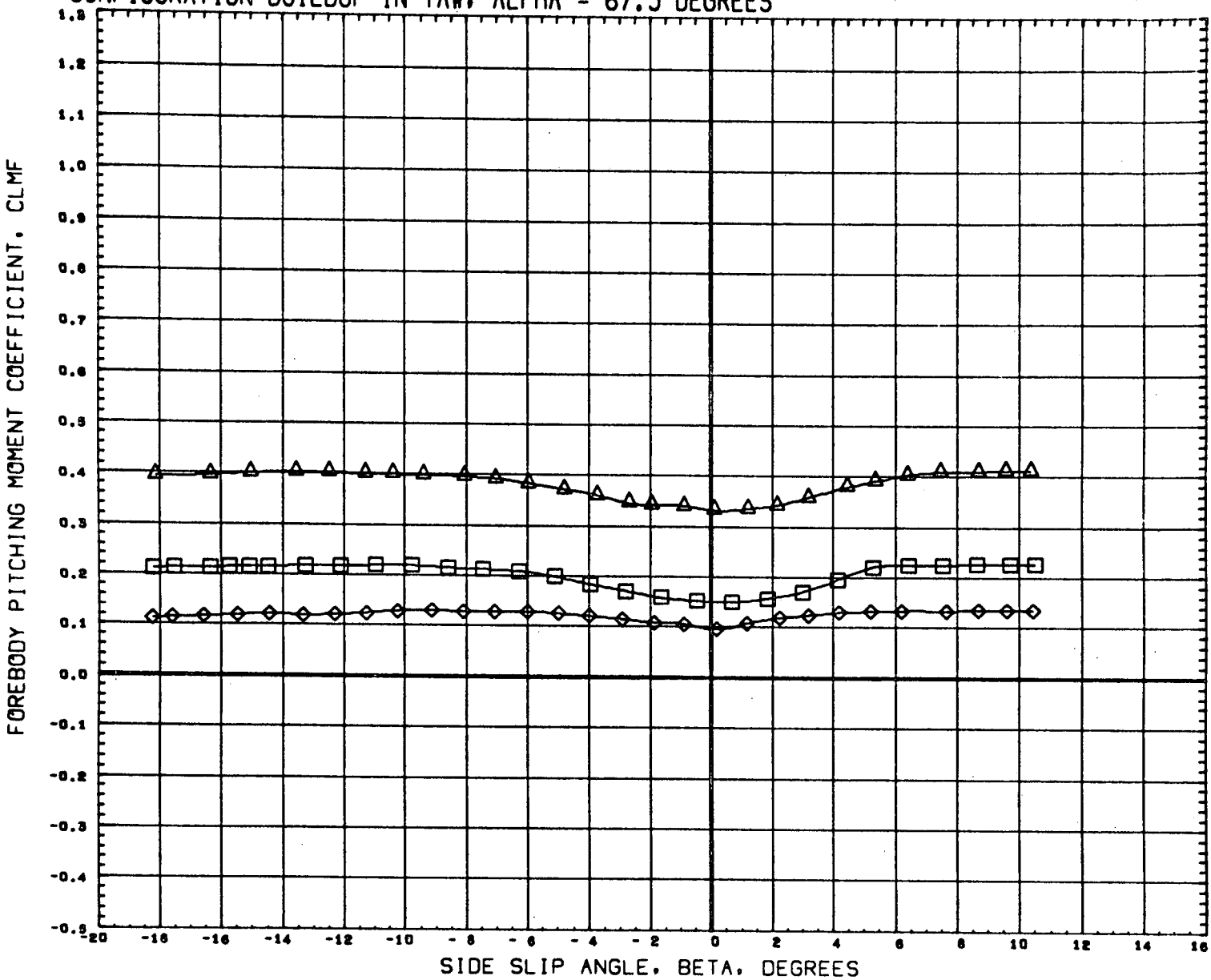
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



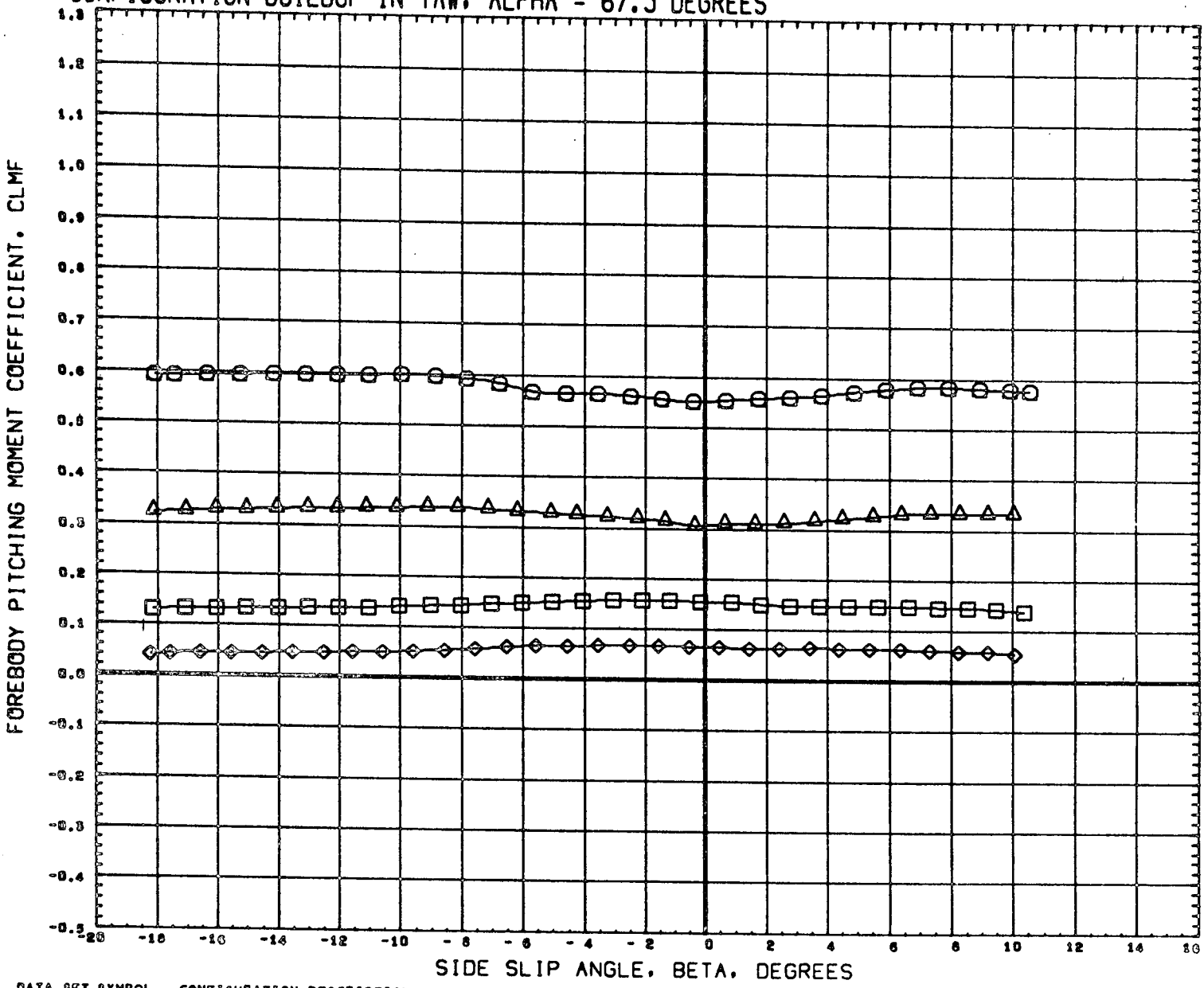
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

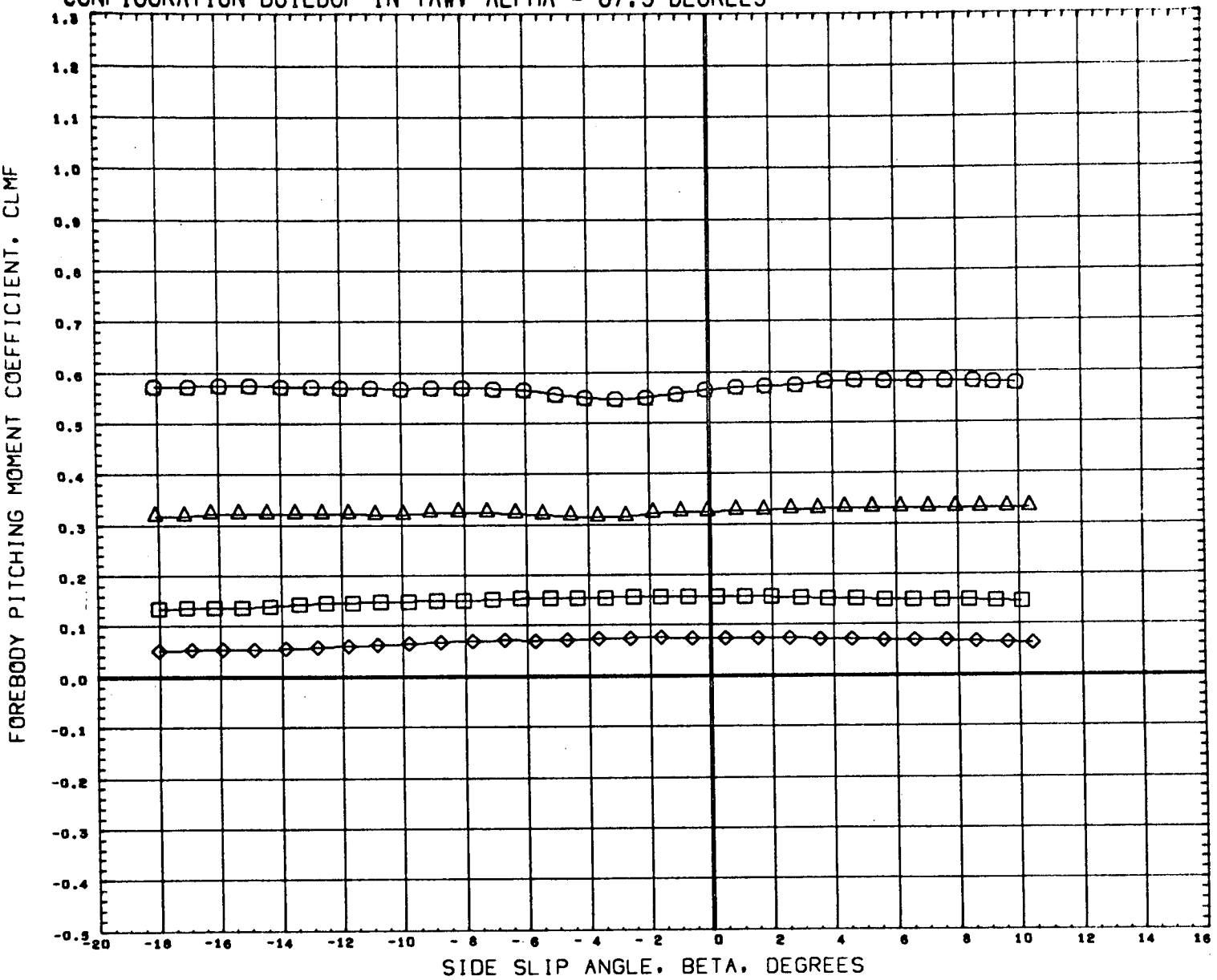


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



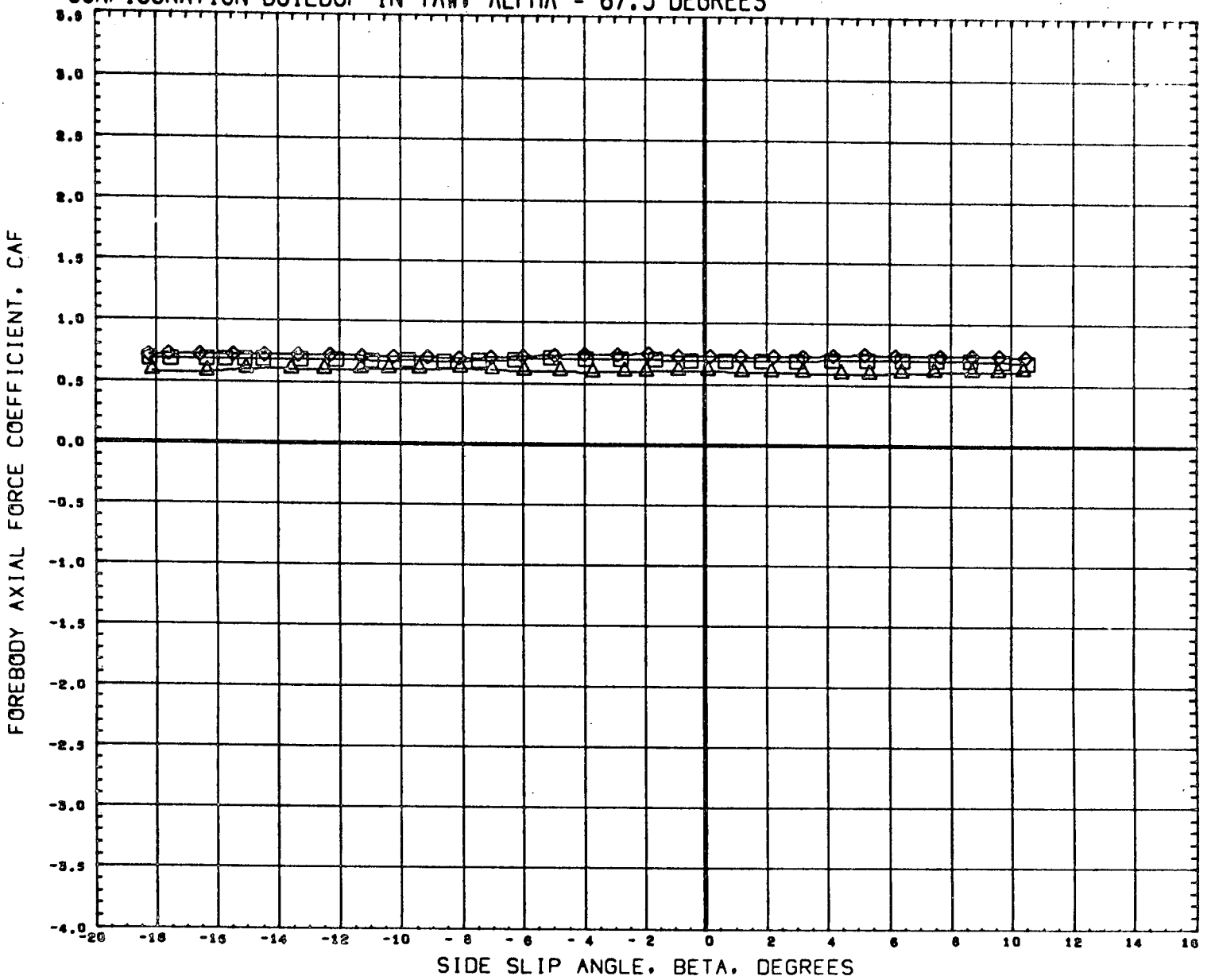
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

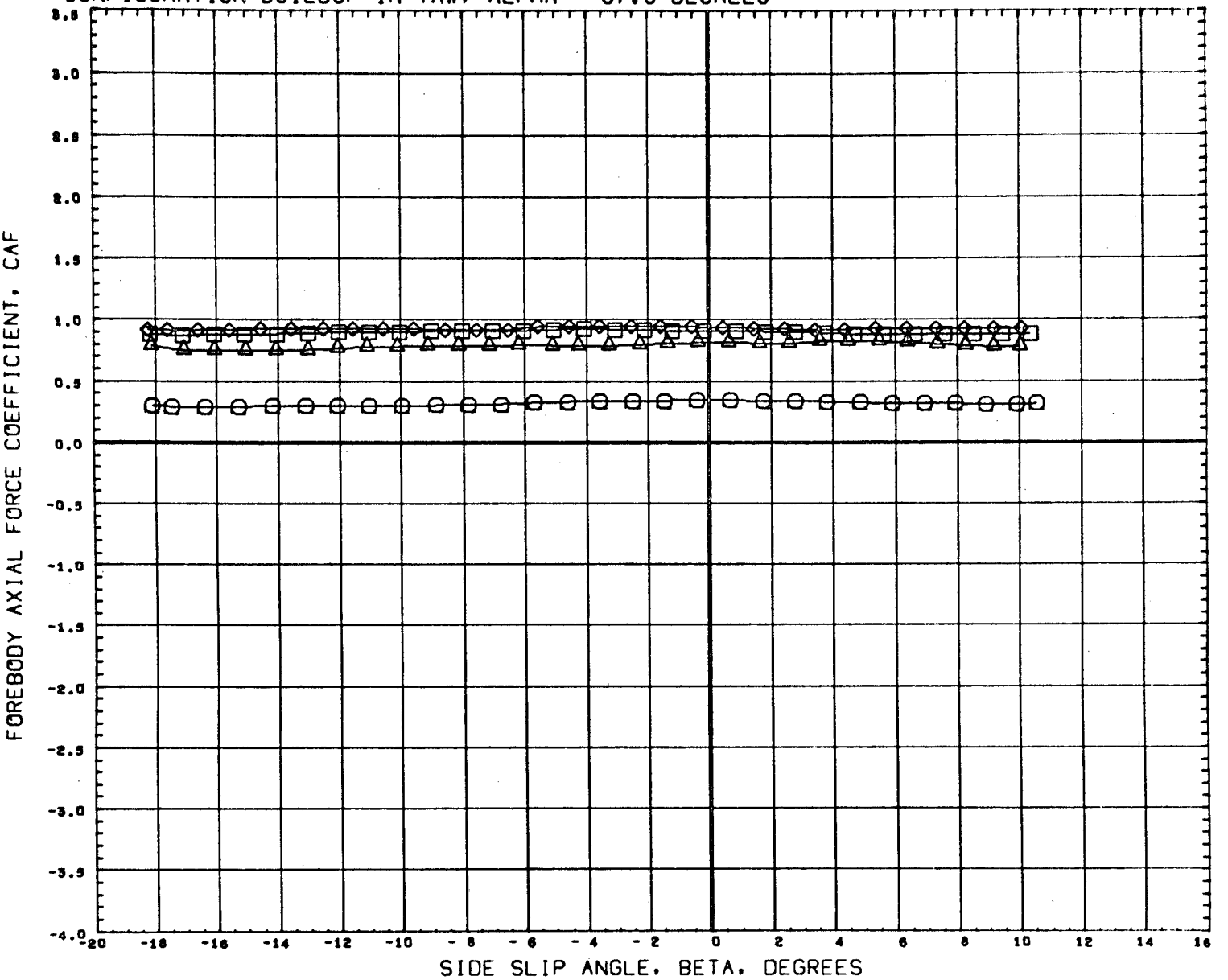


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

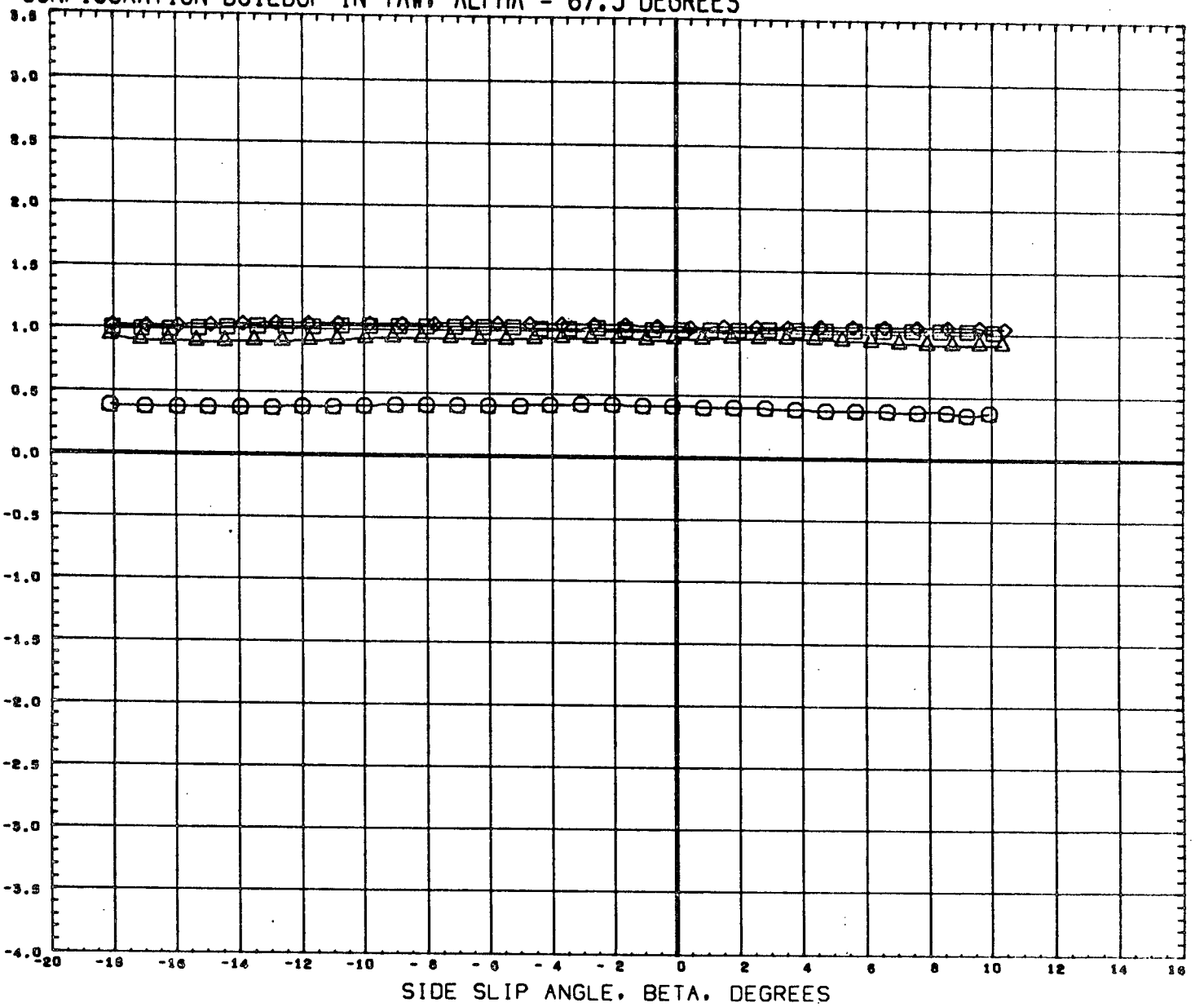


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



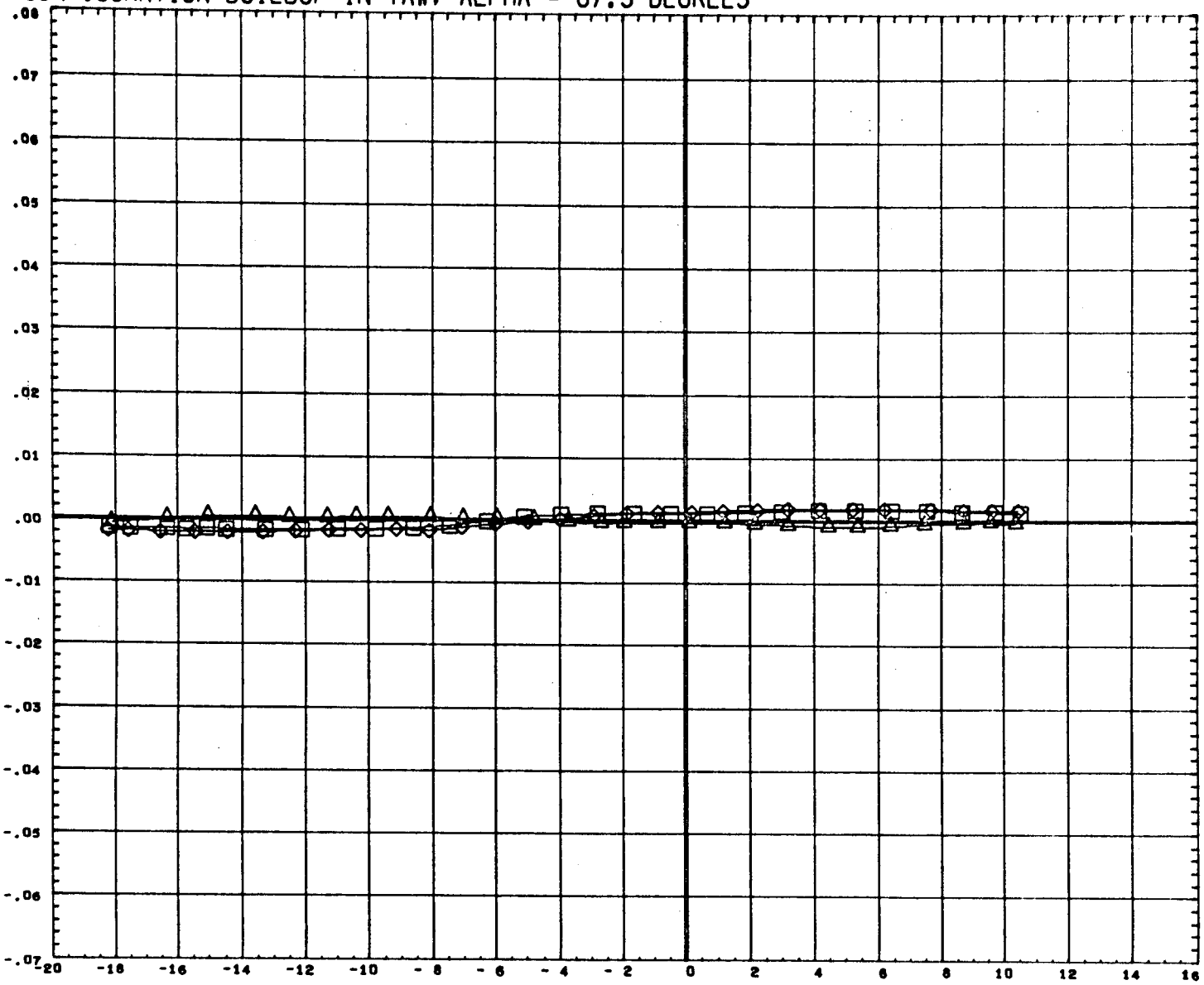
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



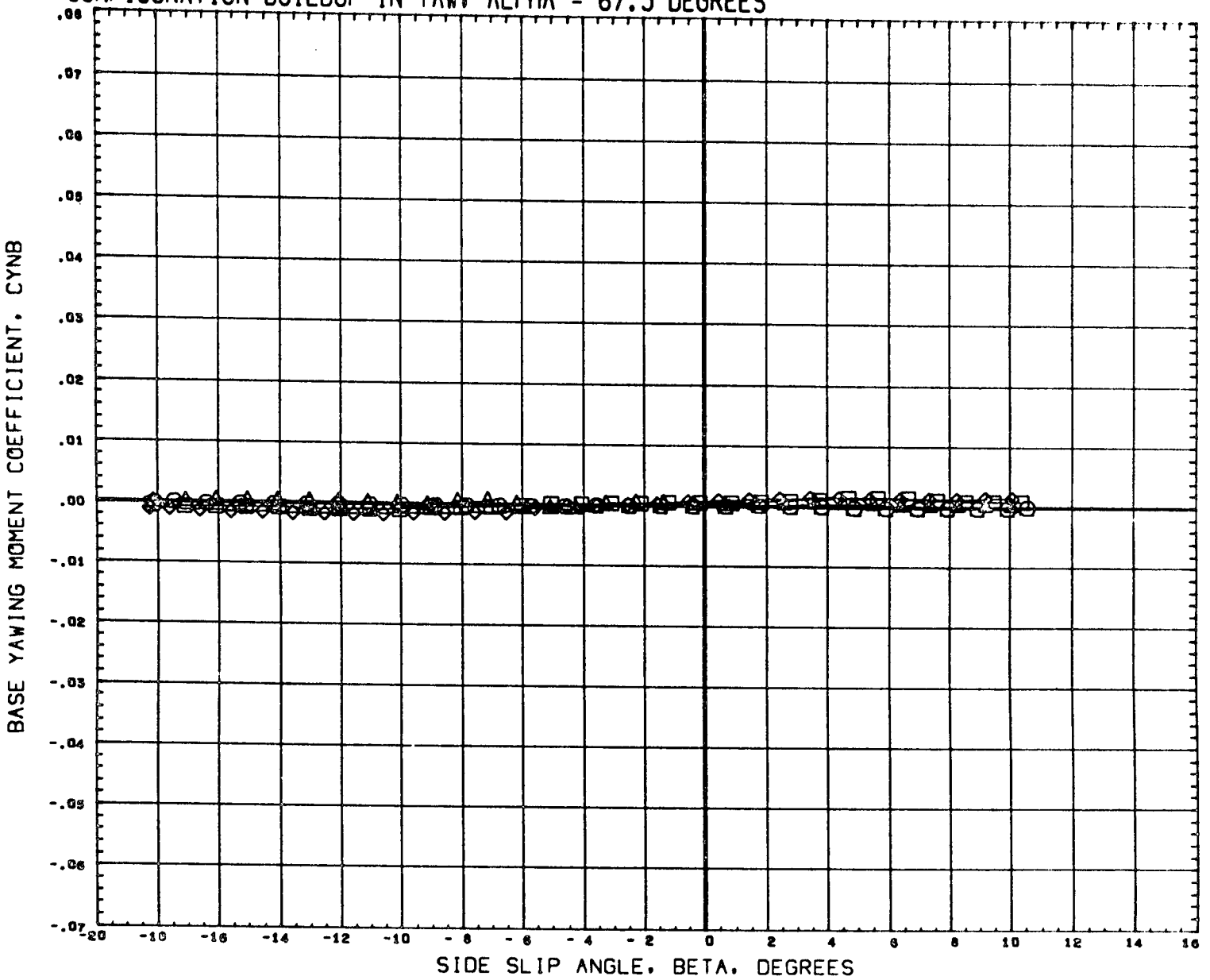
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

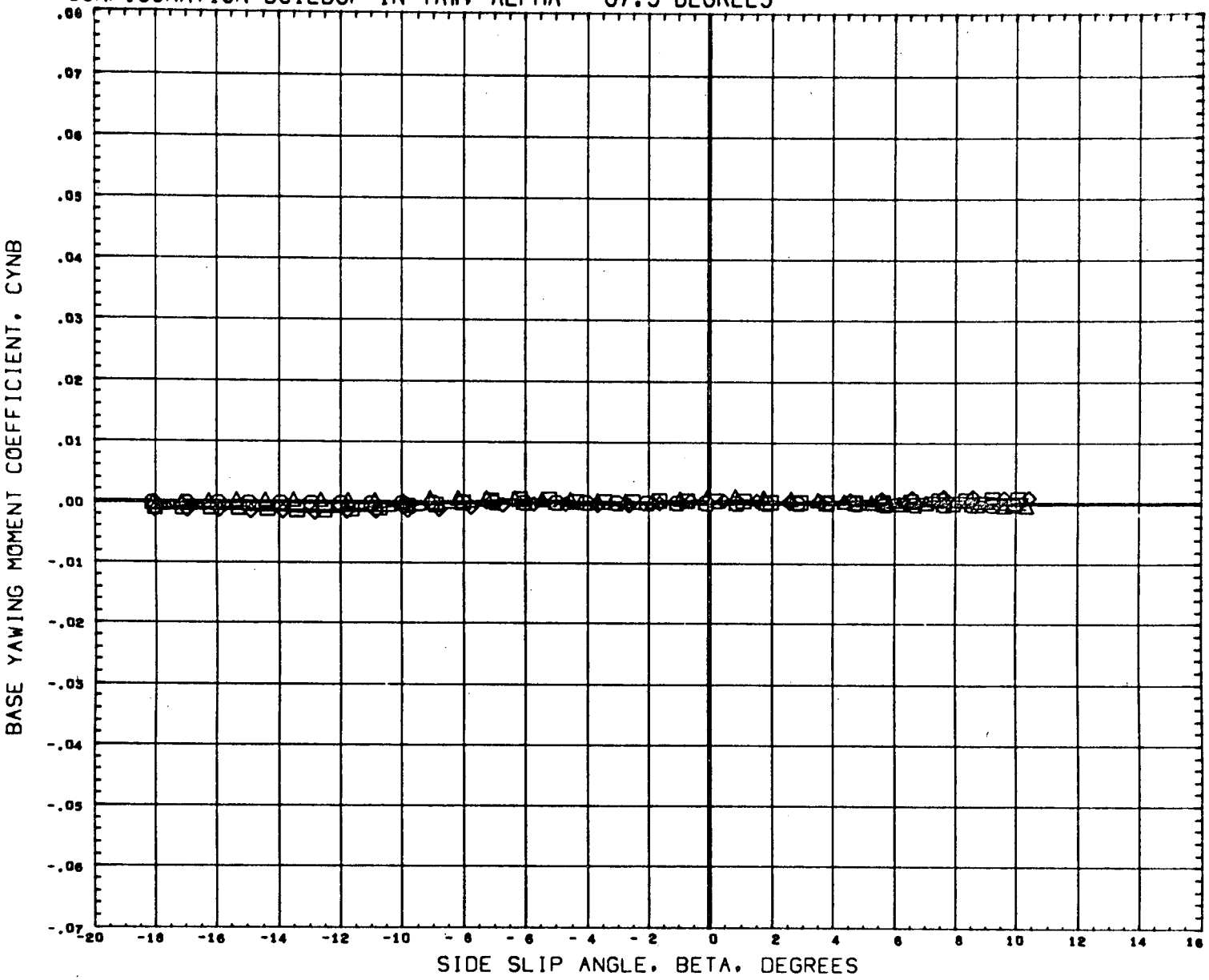


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



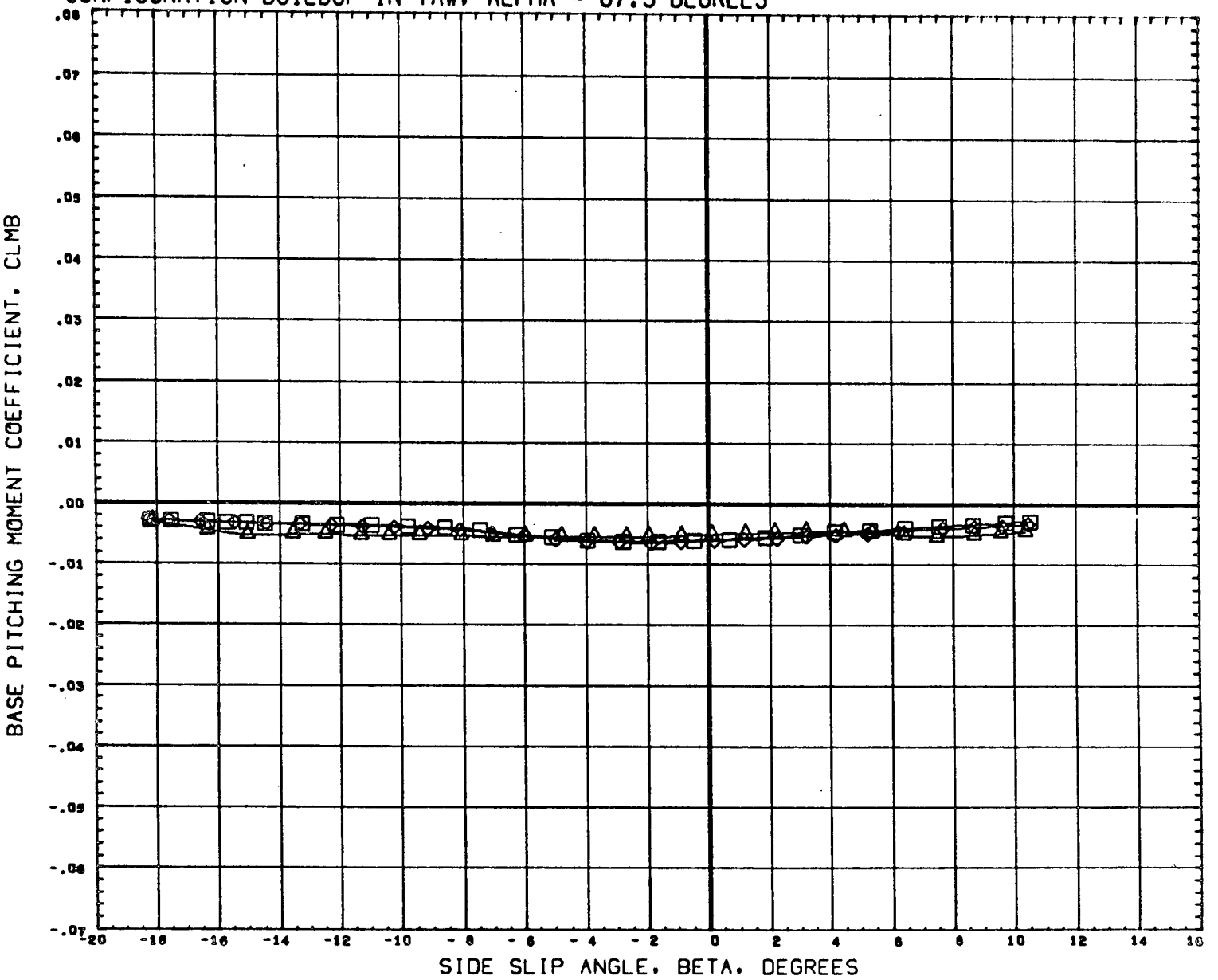
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

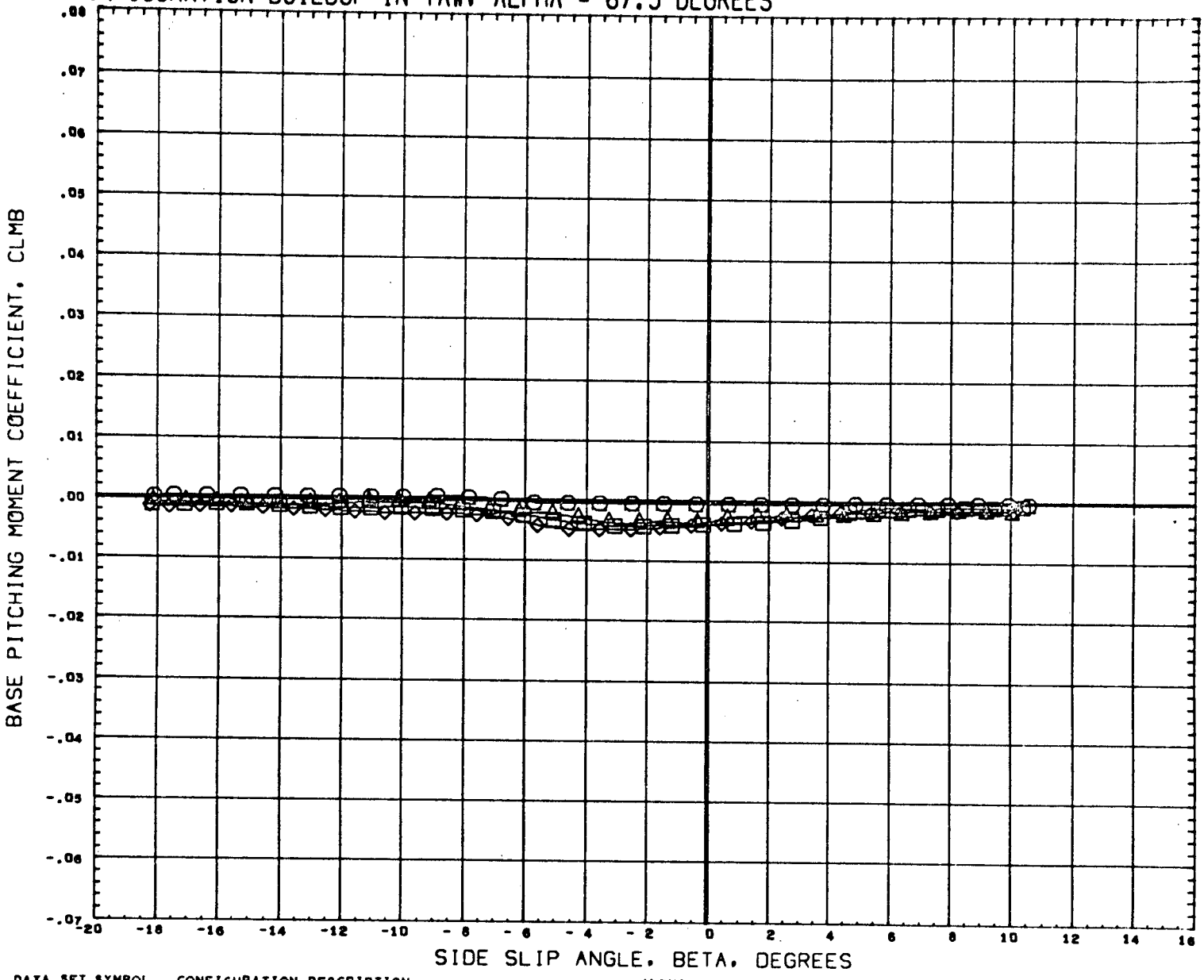


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



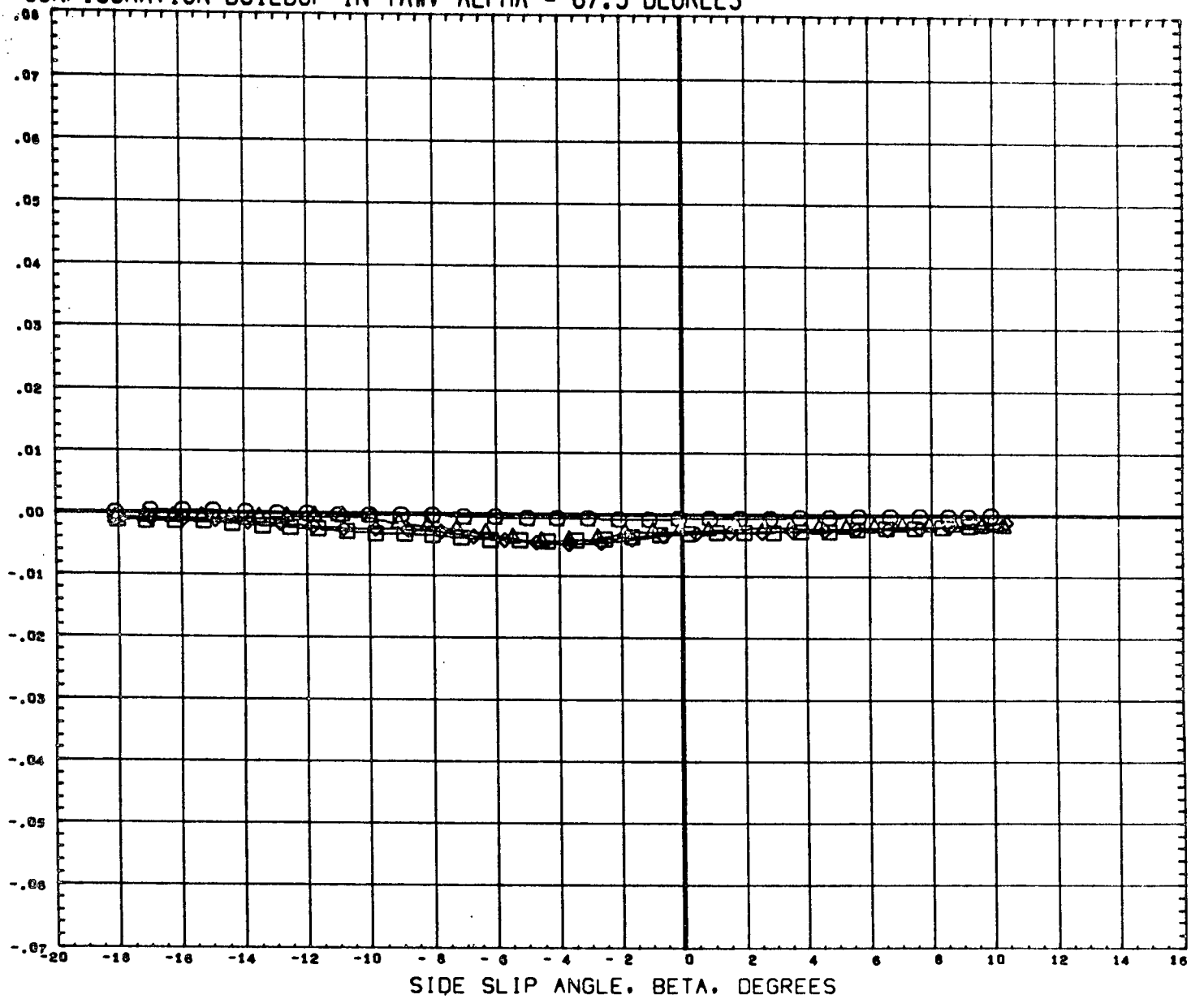
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



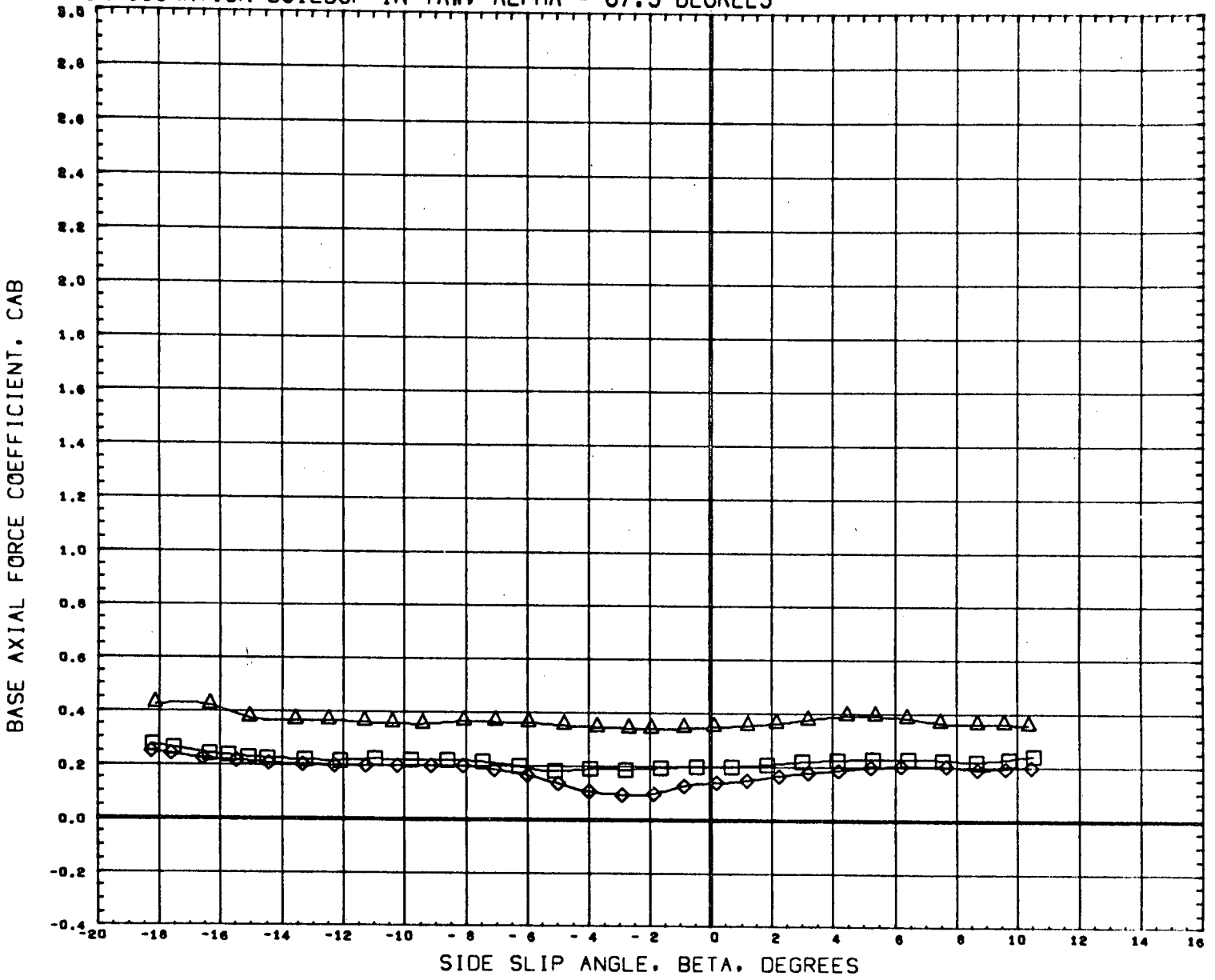
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES



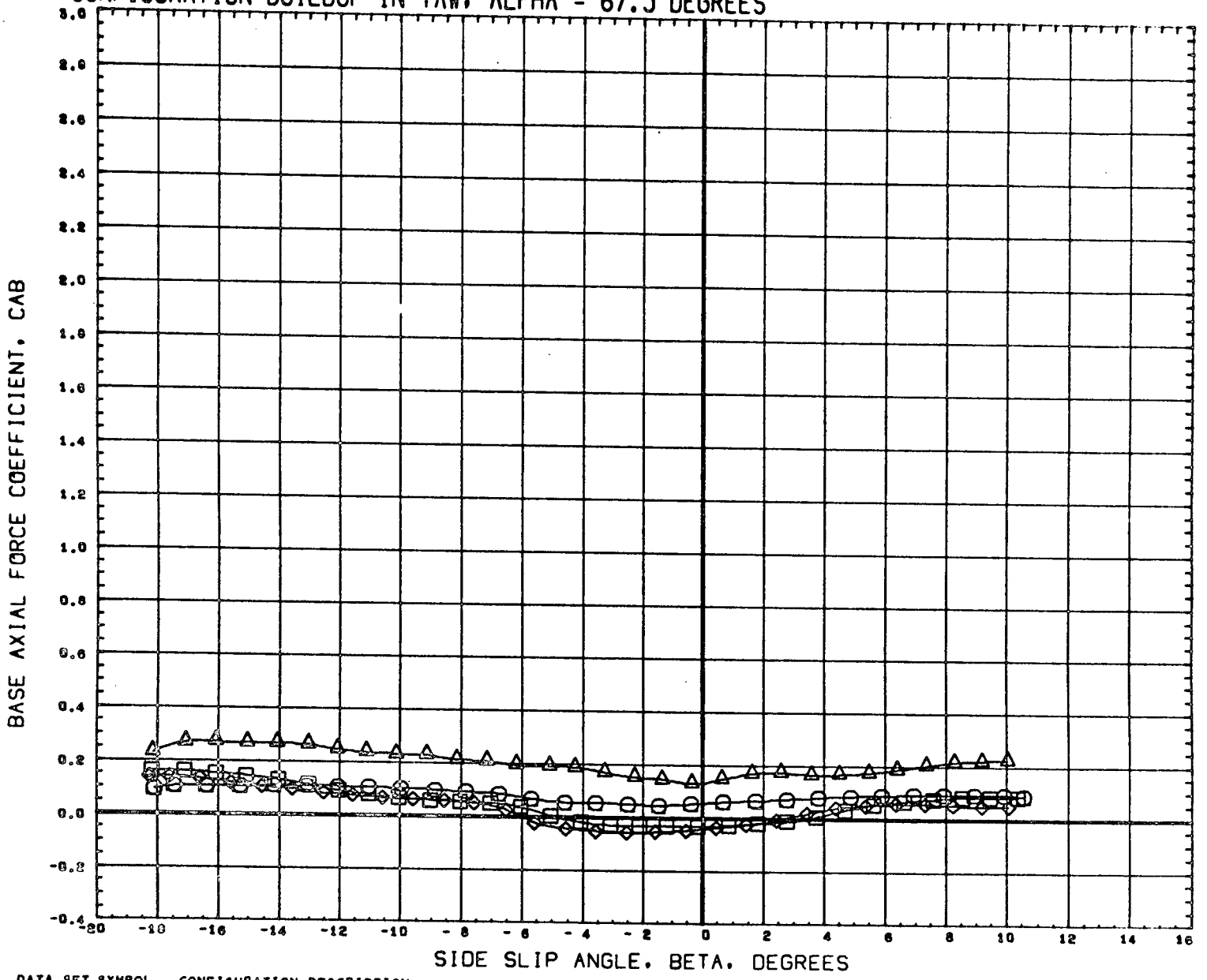
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

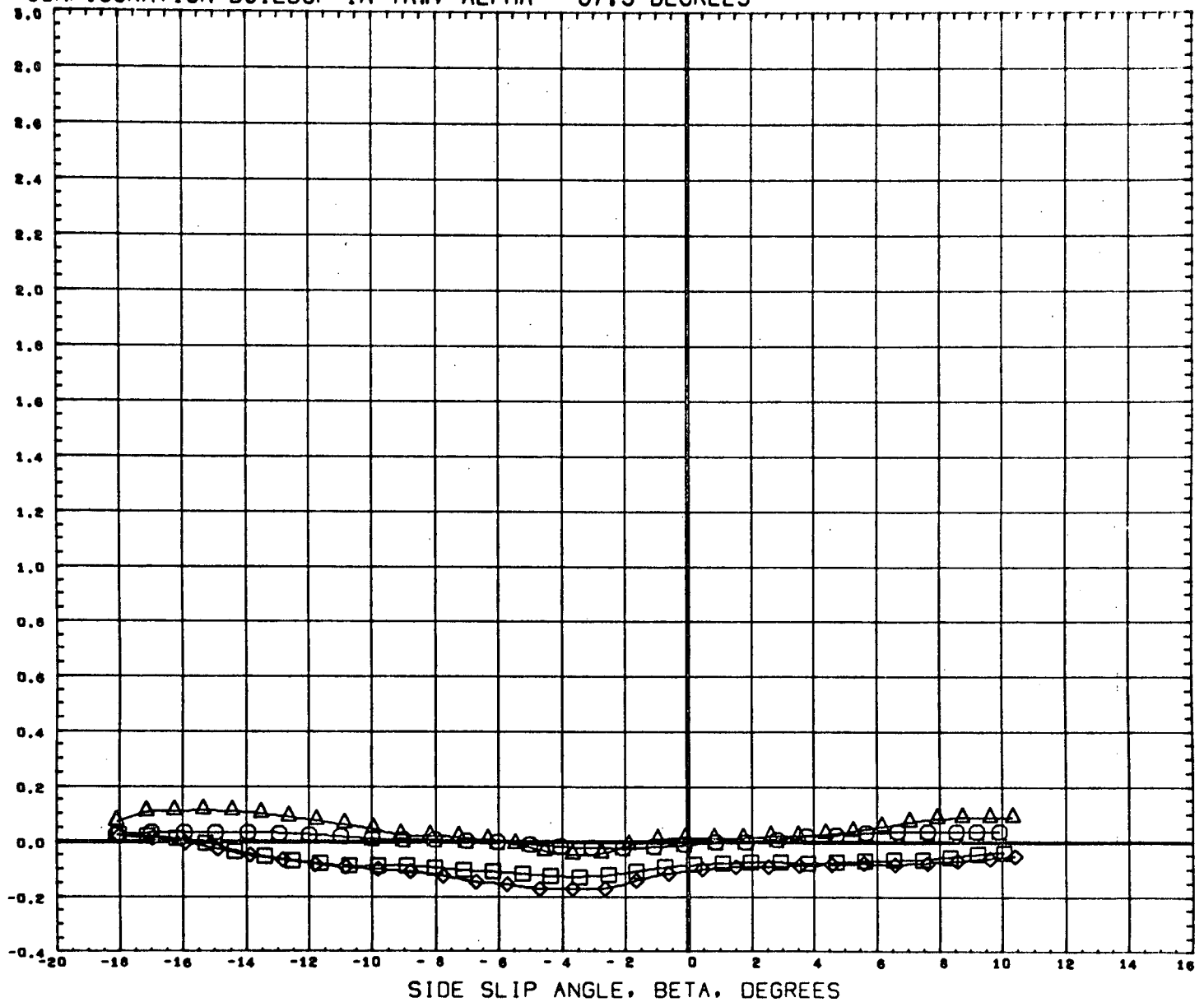


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4013)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

CONFIGURATION BUILDUP IN YAW, ALPHA = 67.5 DEGREES

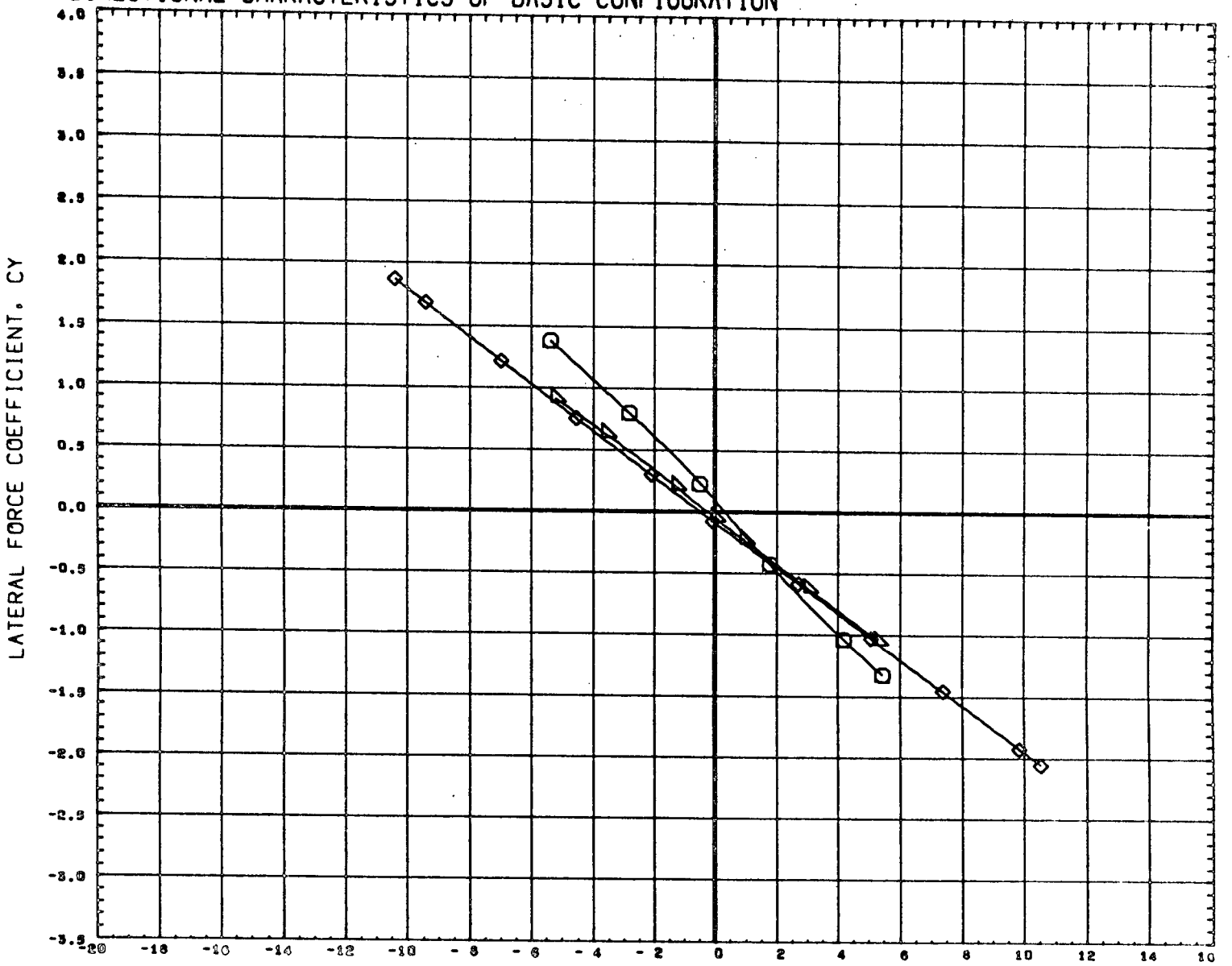


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4013)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1	67.500
(AD4023)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1	67.500
(AD4033)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



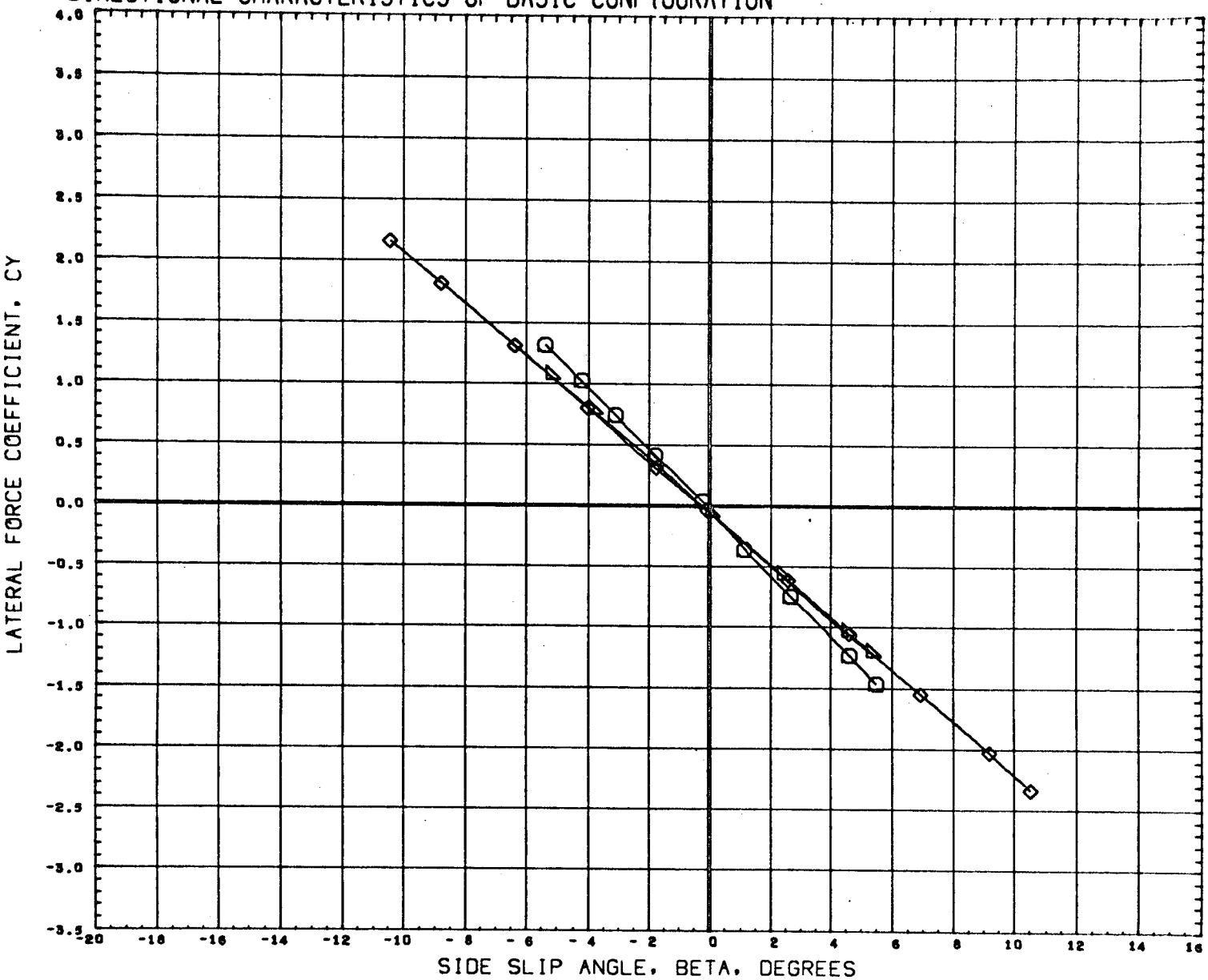
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▱	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



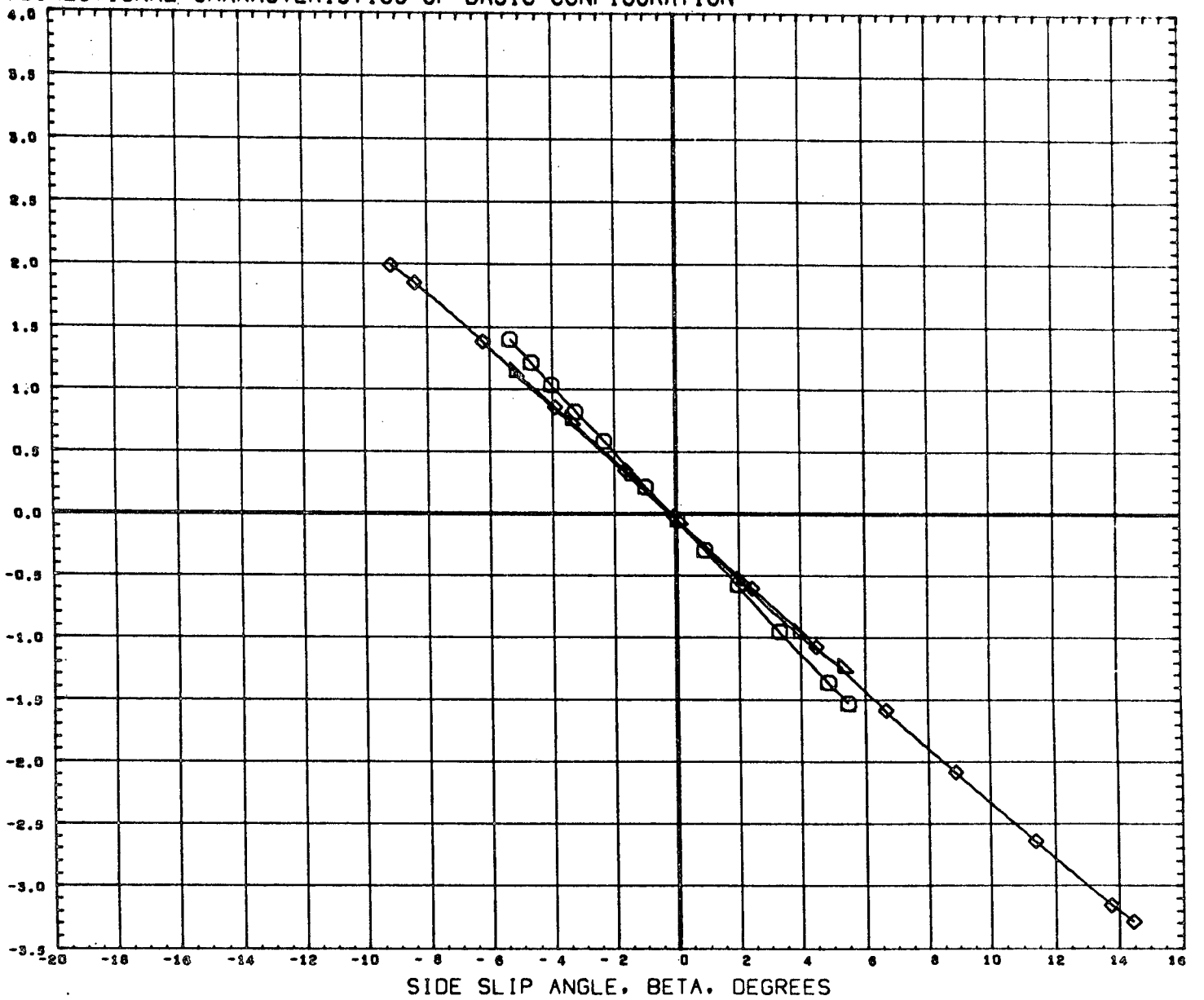
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	⊠	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	◸	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

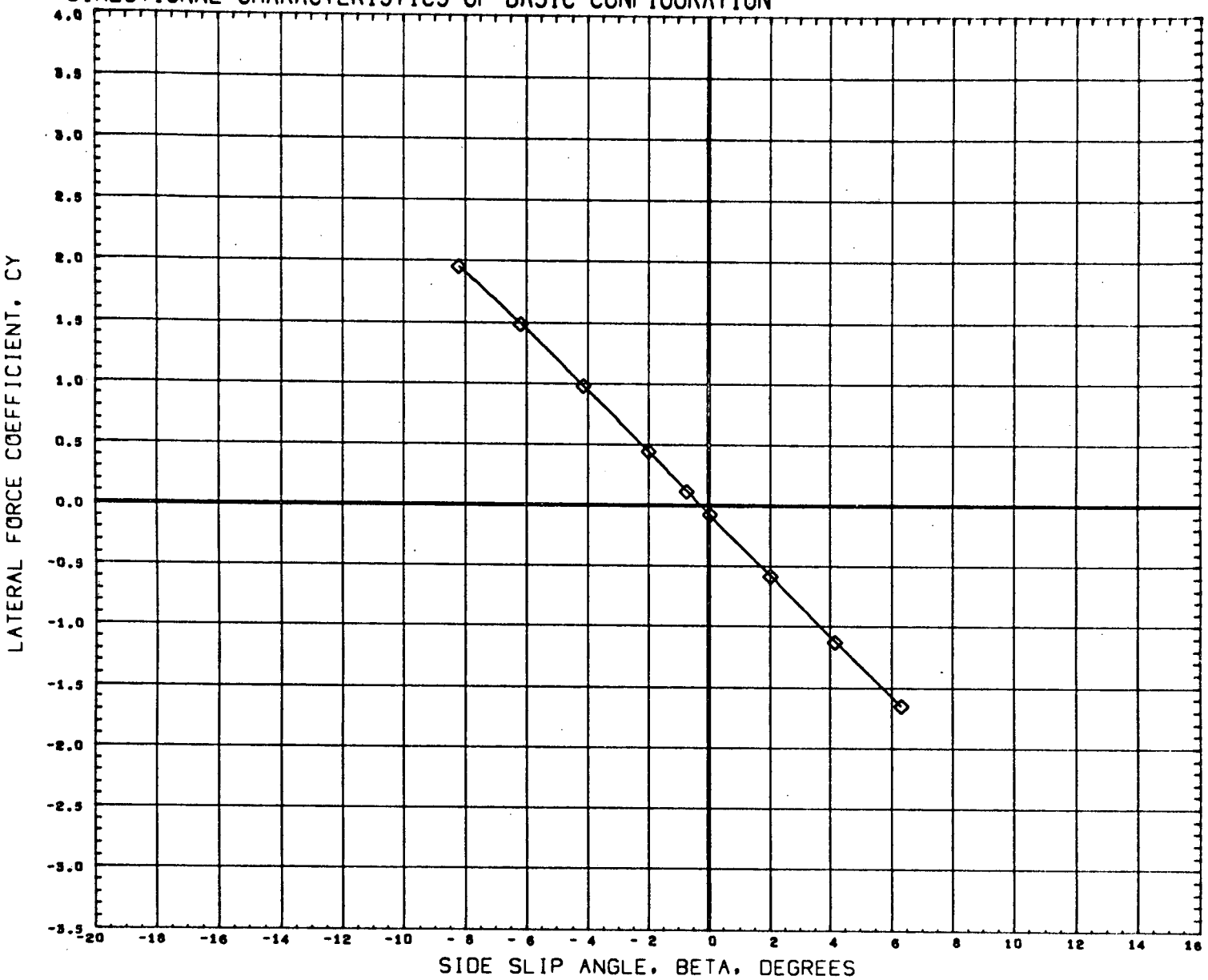


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



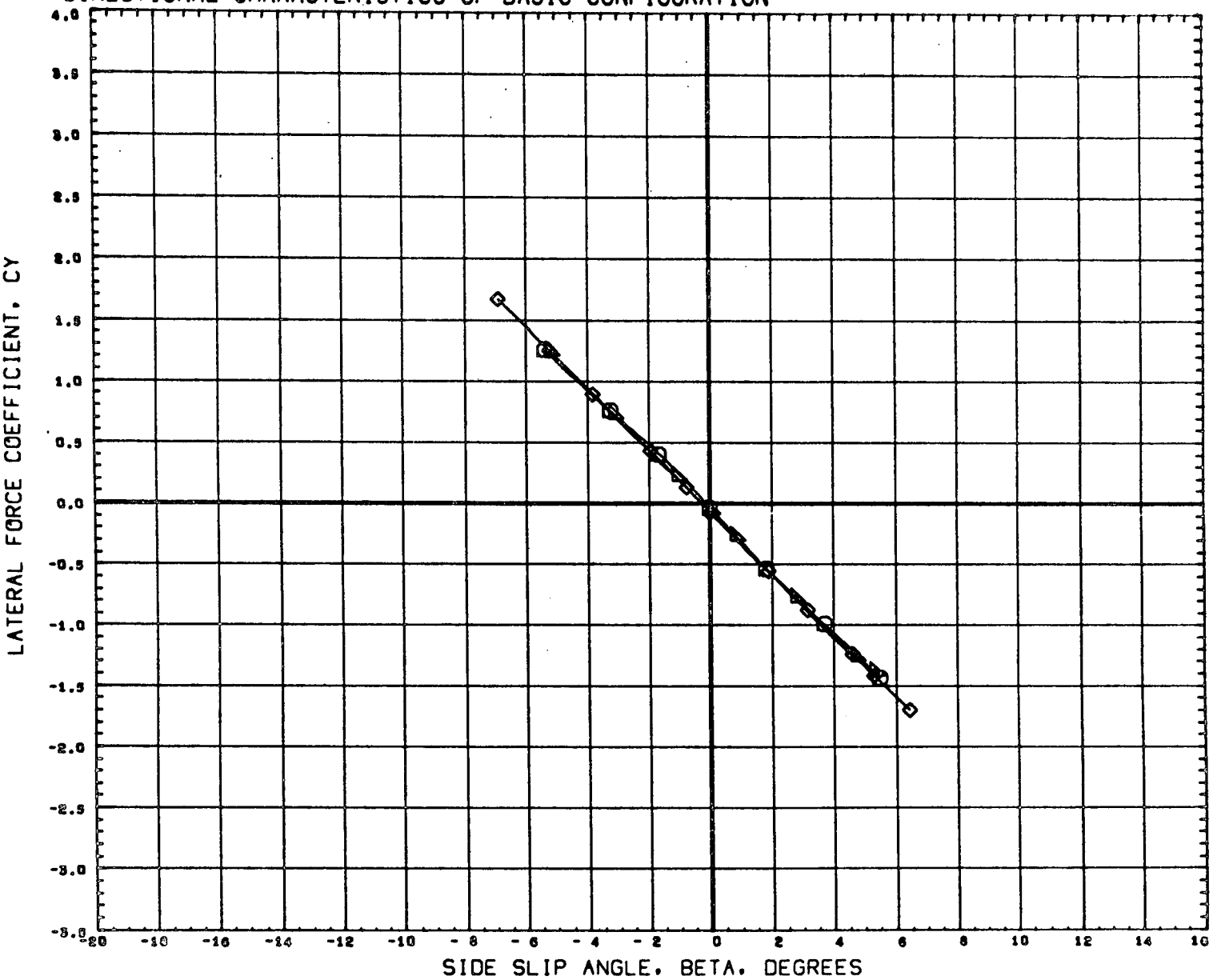
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		DATA NOT AVAILABLE FOR ALL CONDITIONS		50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

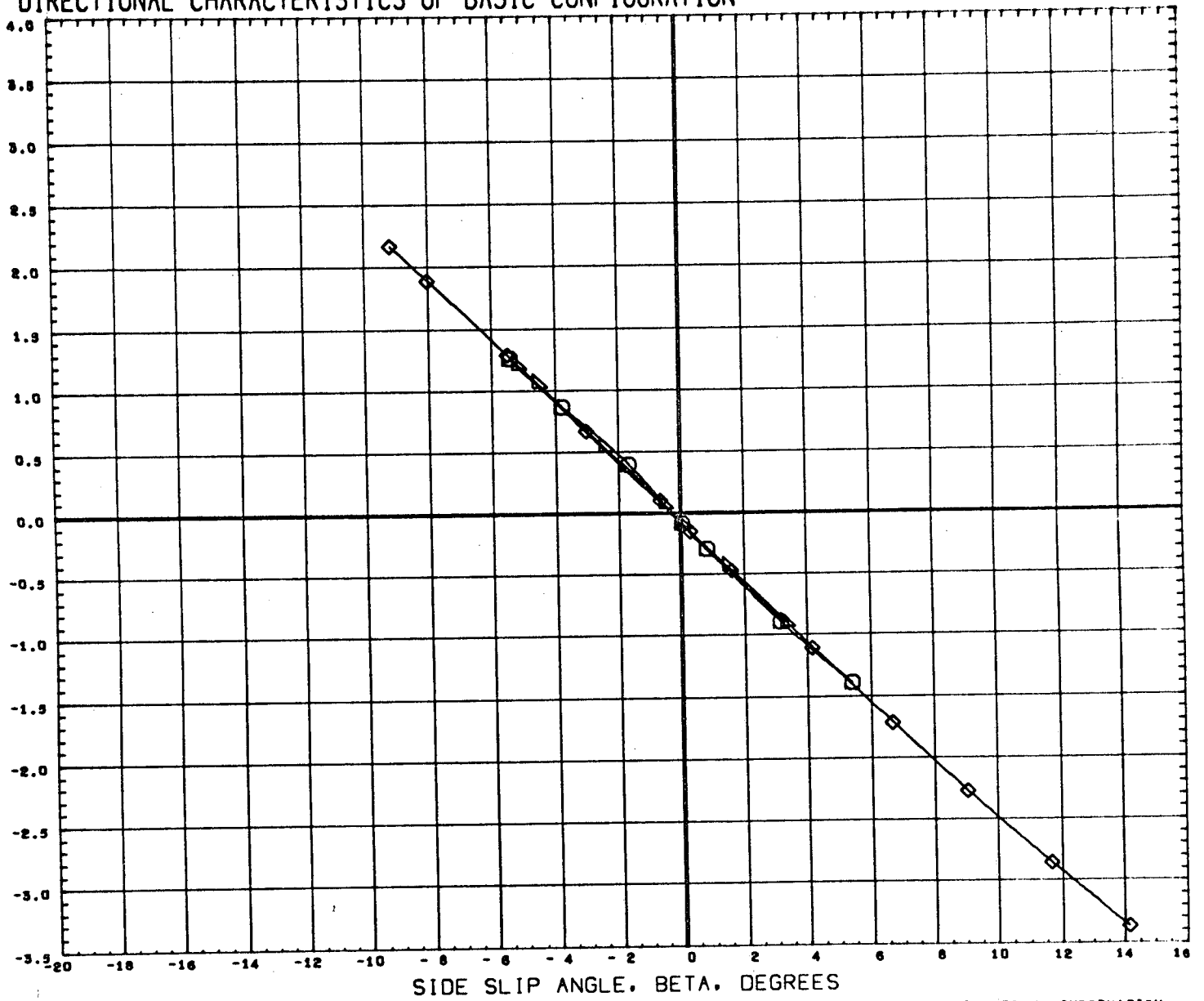


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



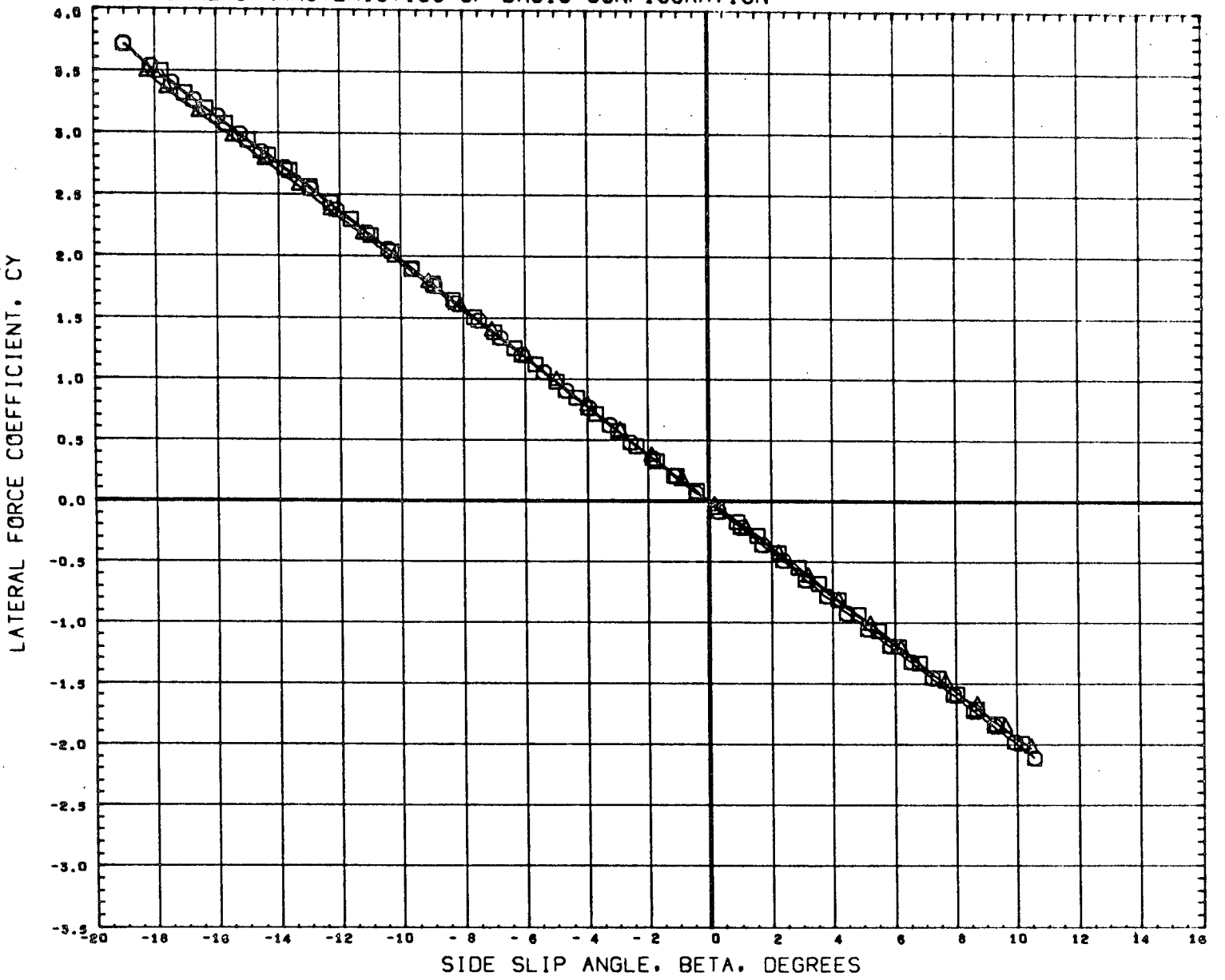
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

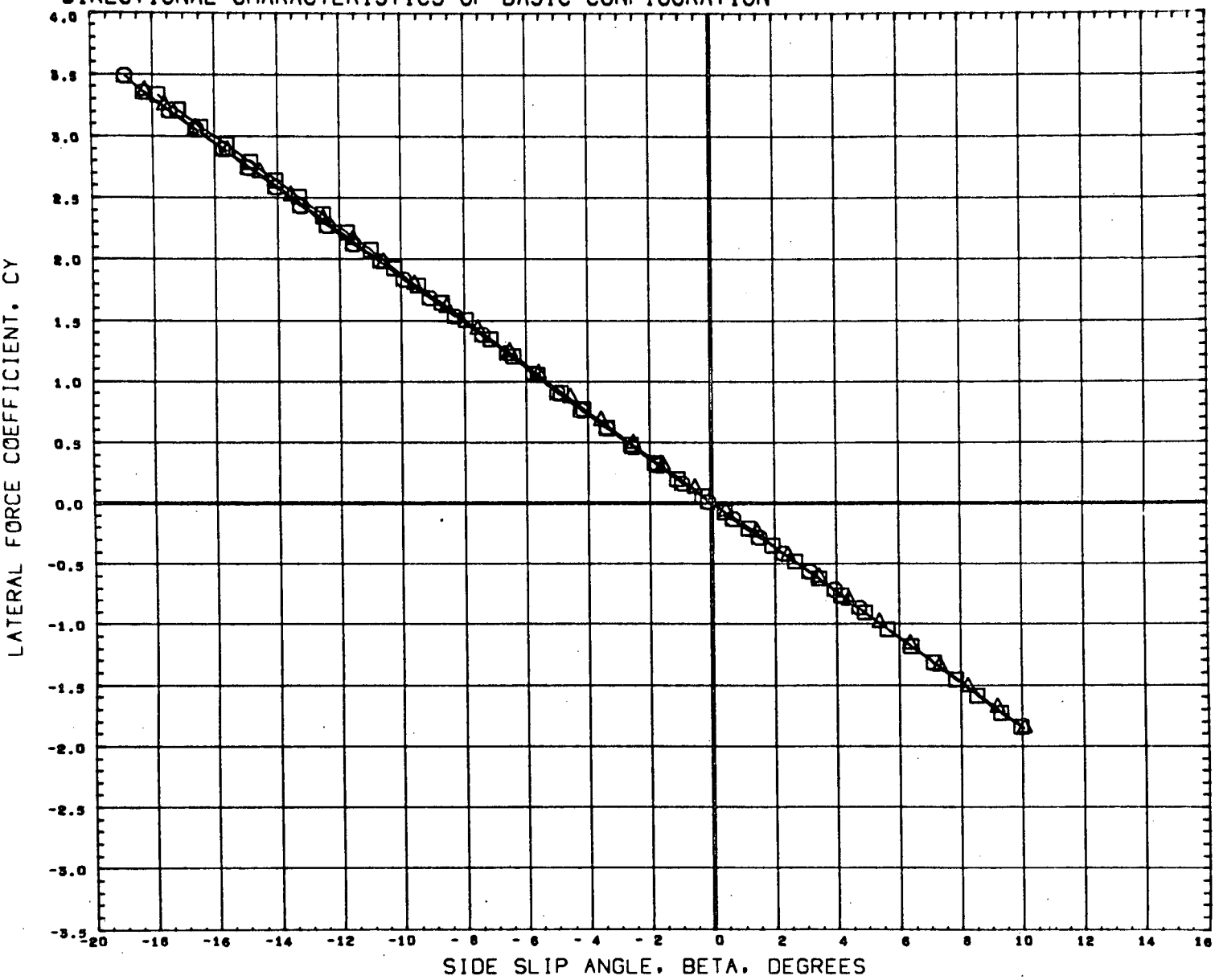


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

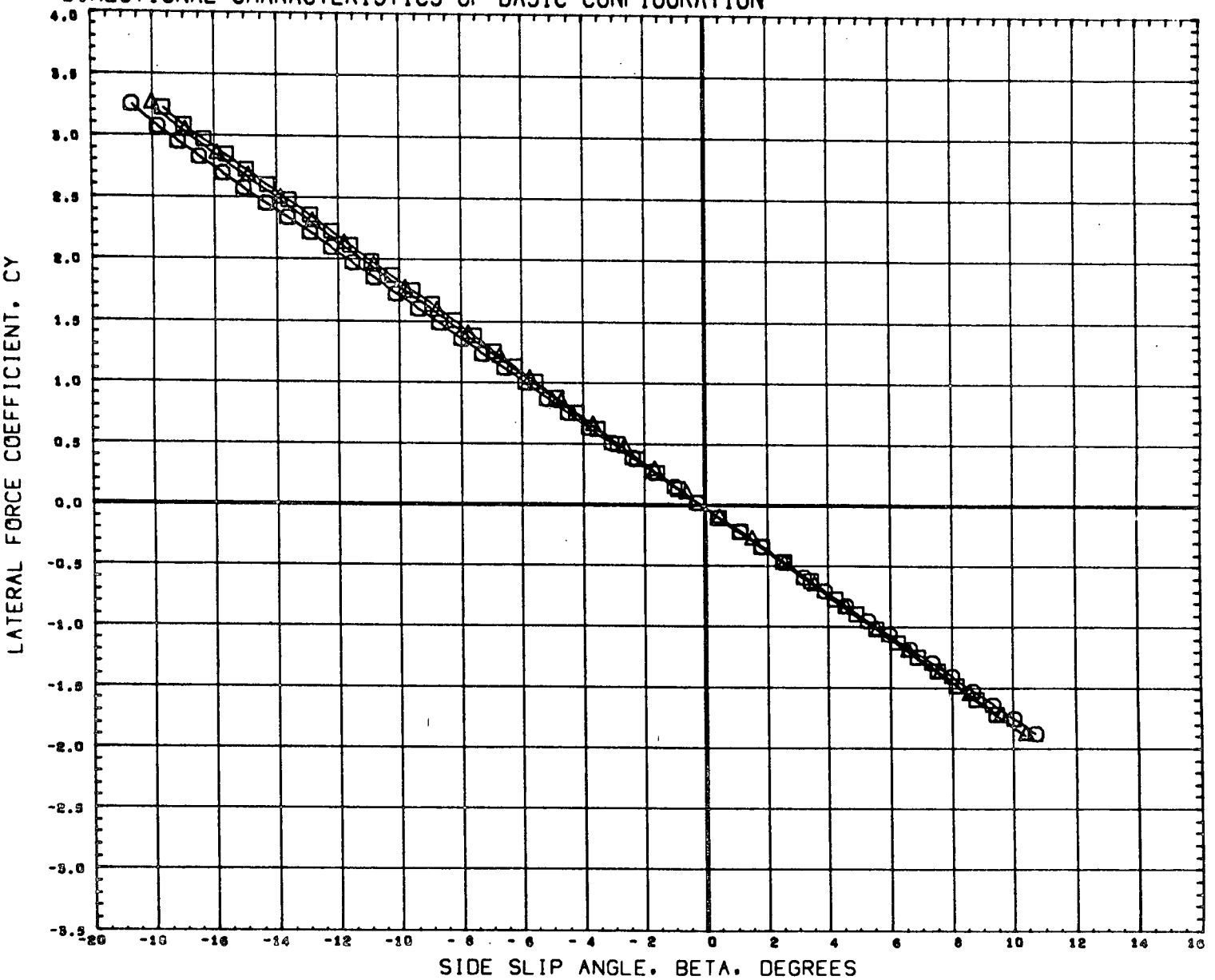


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

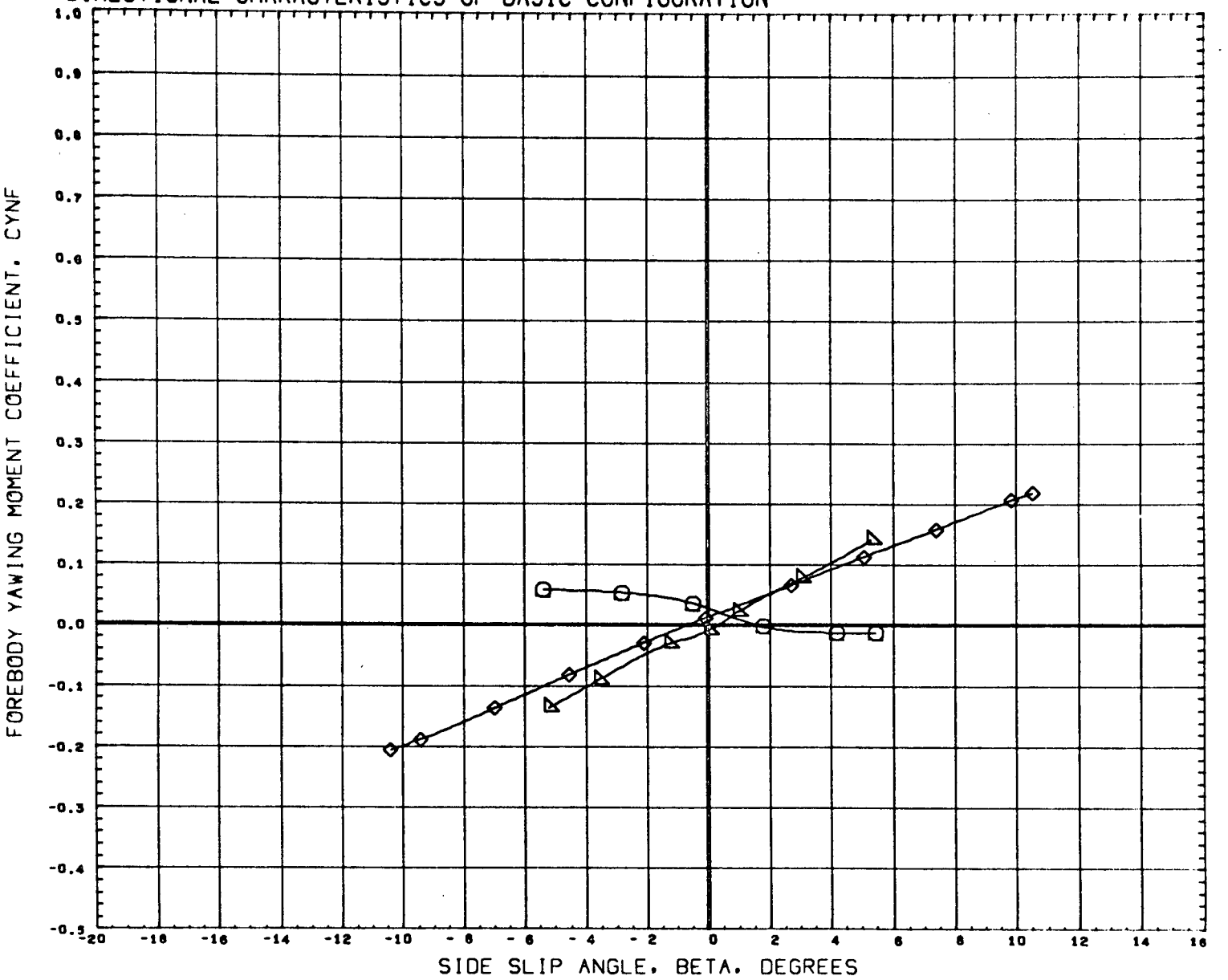


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	⬠	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



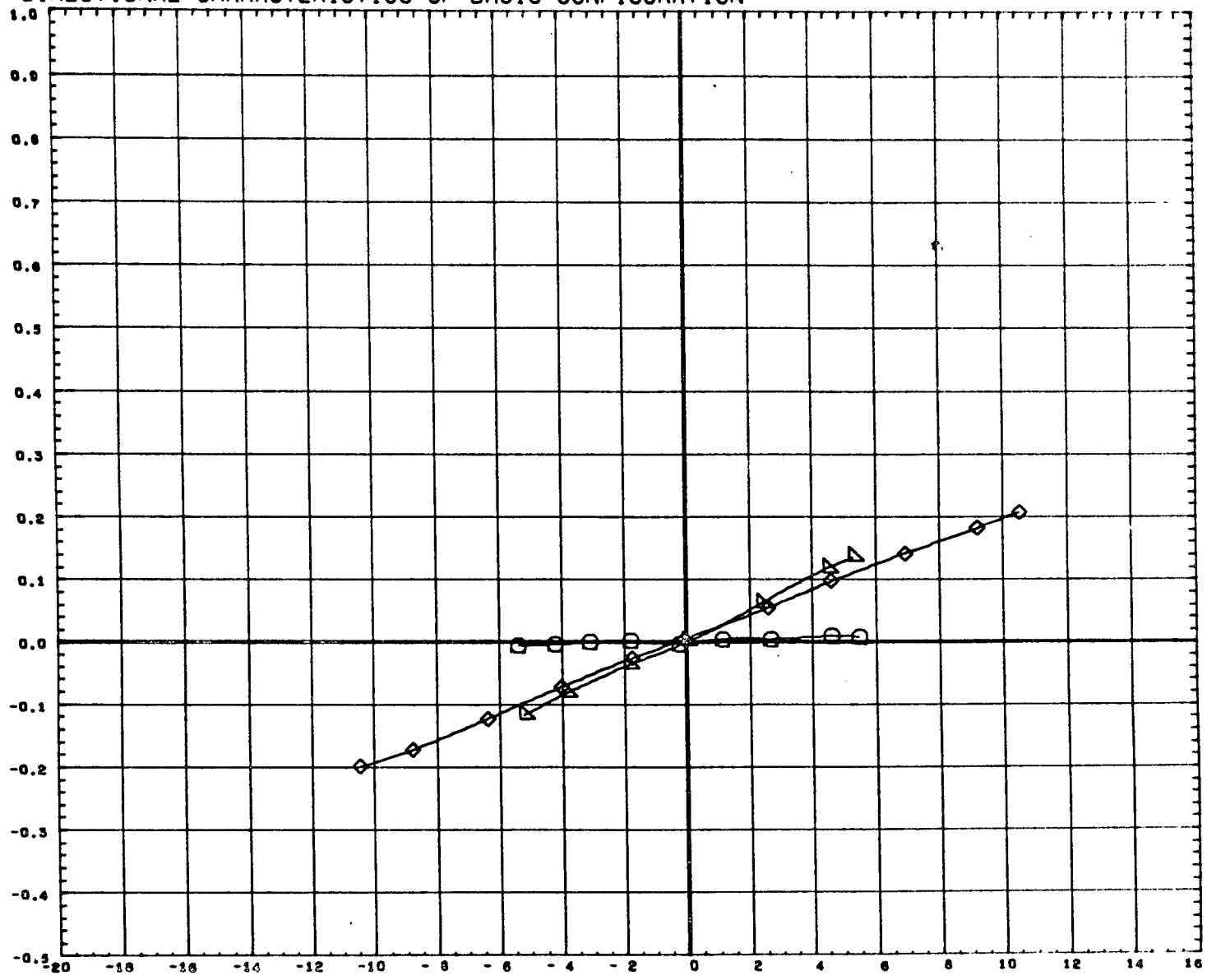
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



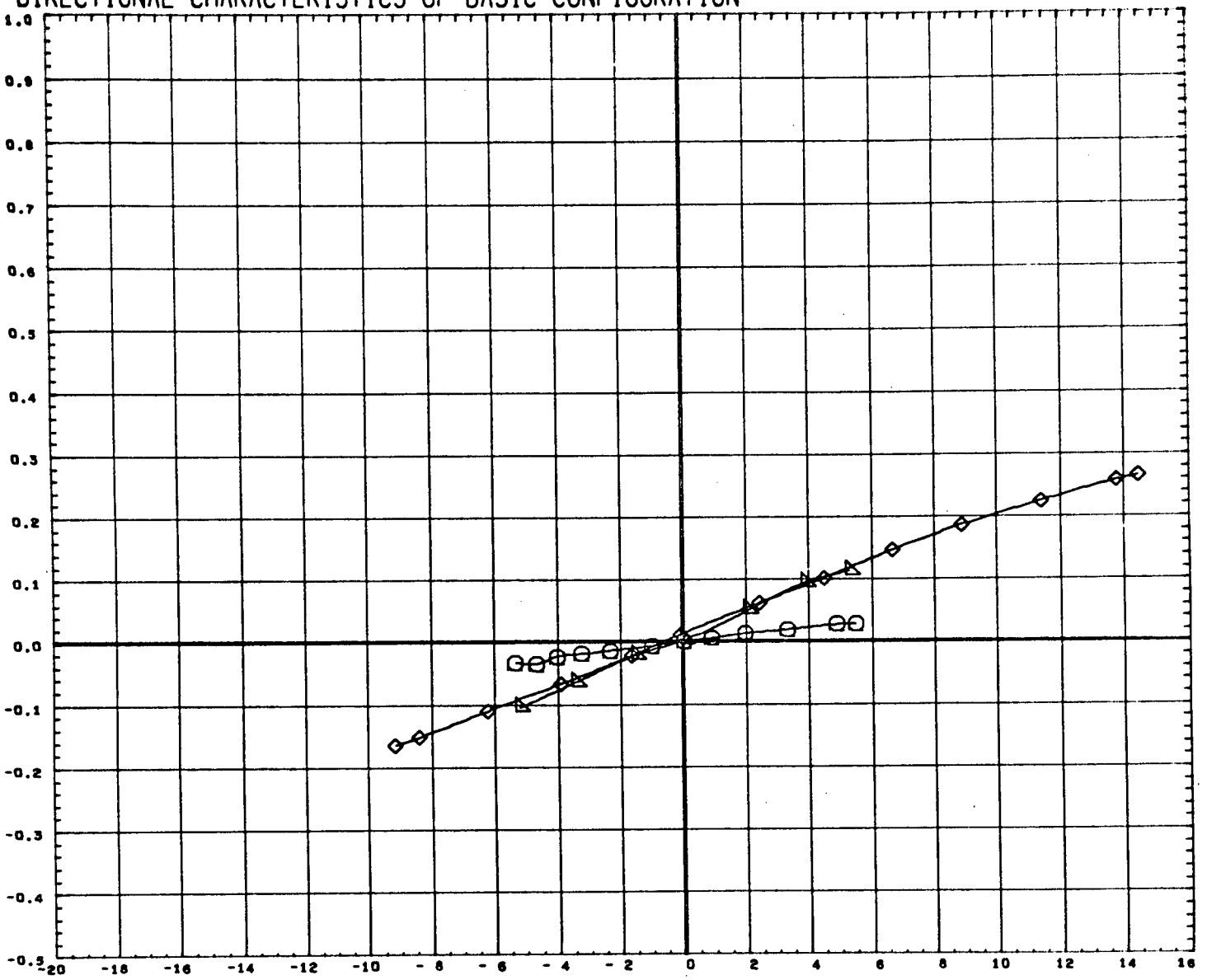
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



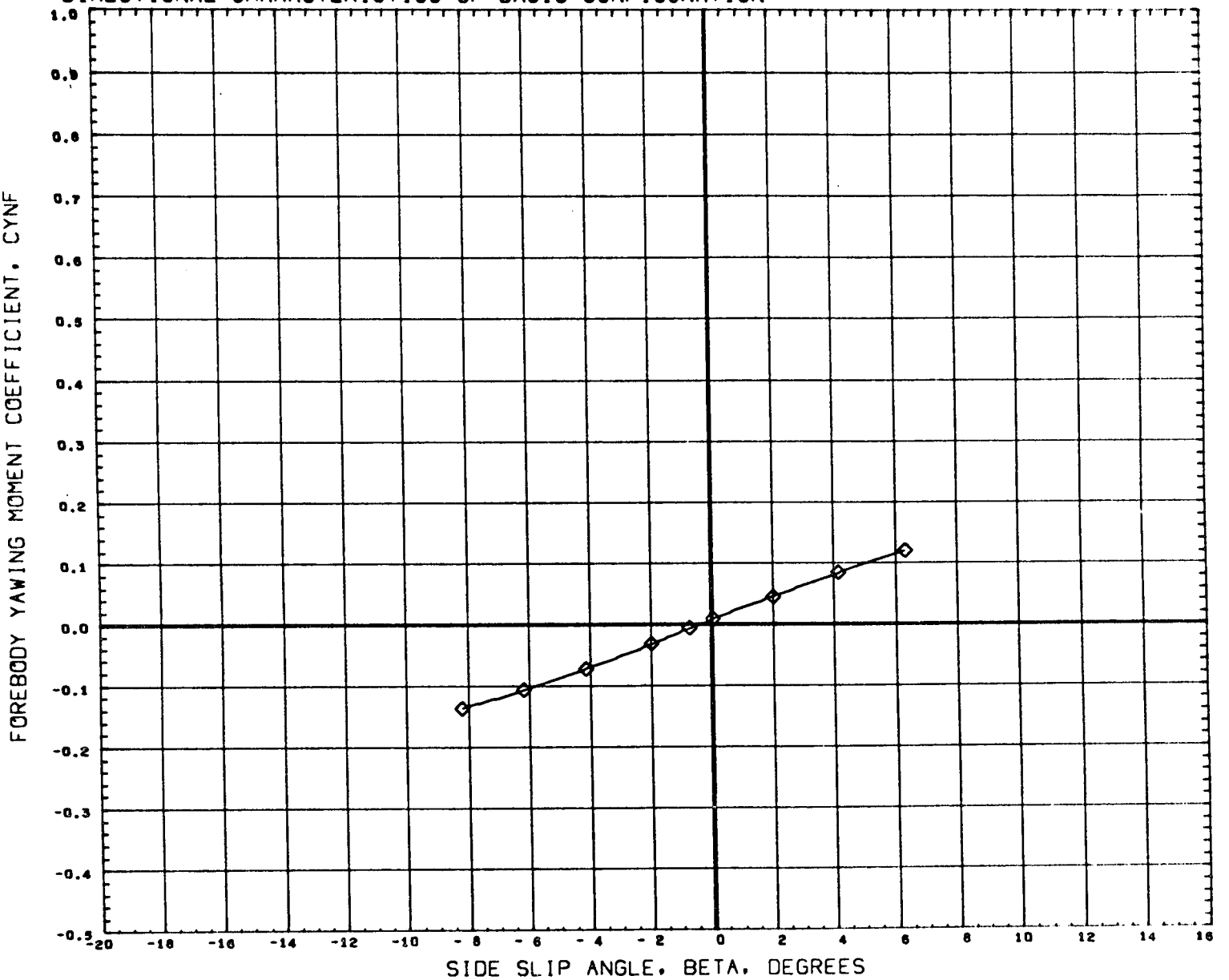
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



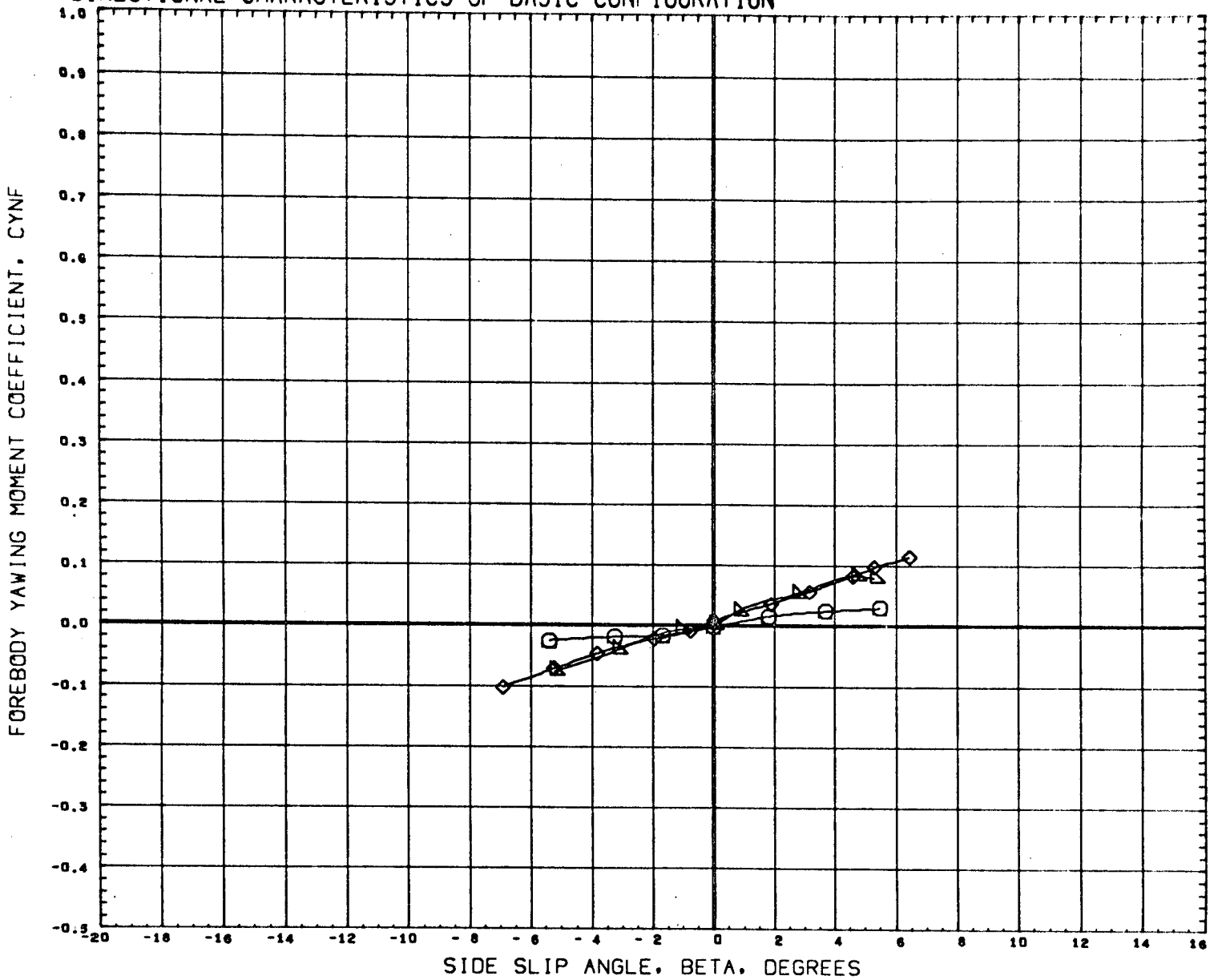
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		DATA NOT AVAILABLE FOR ALL CONDITIONS		50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



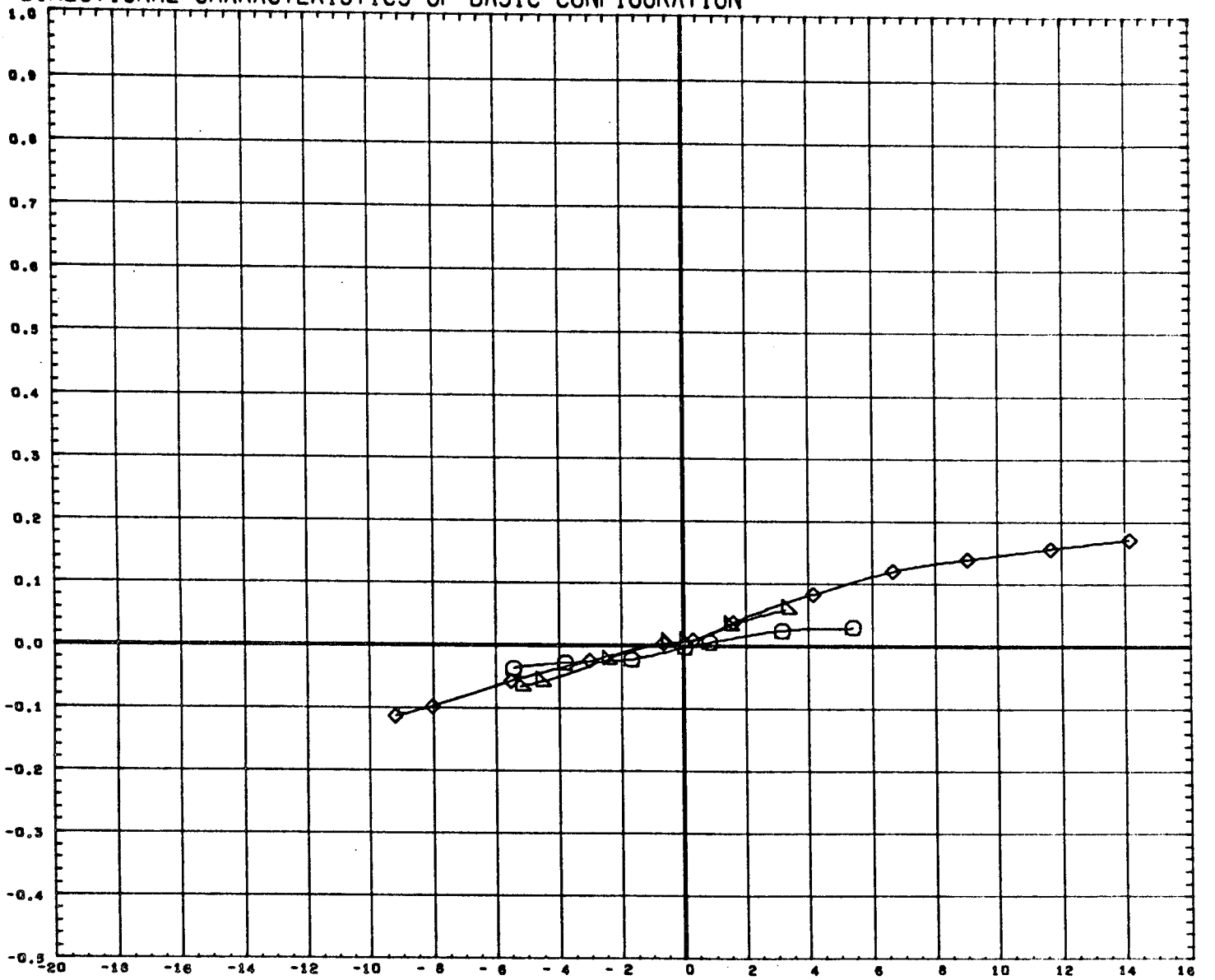
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



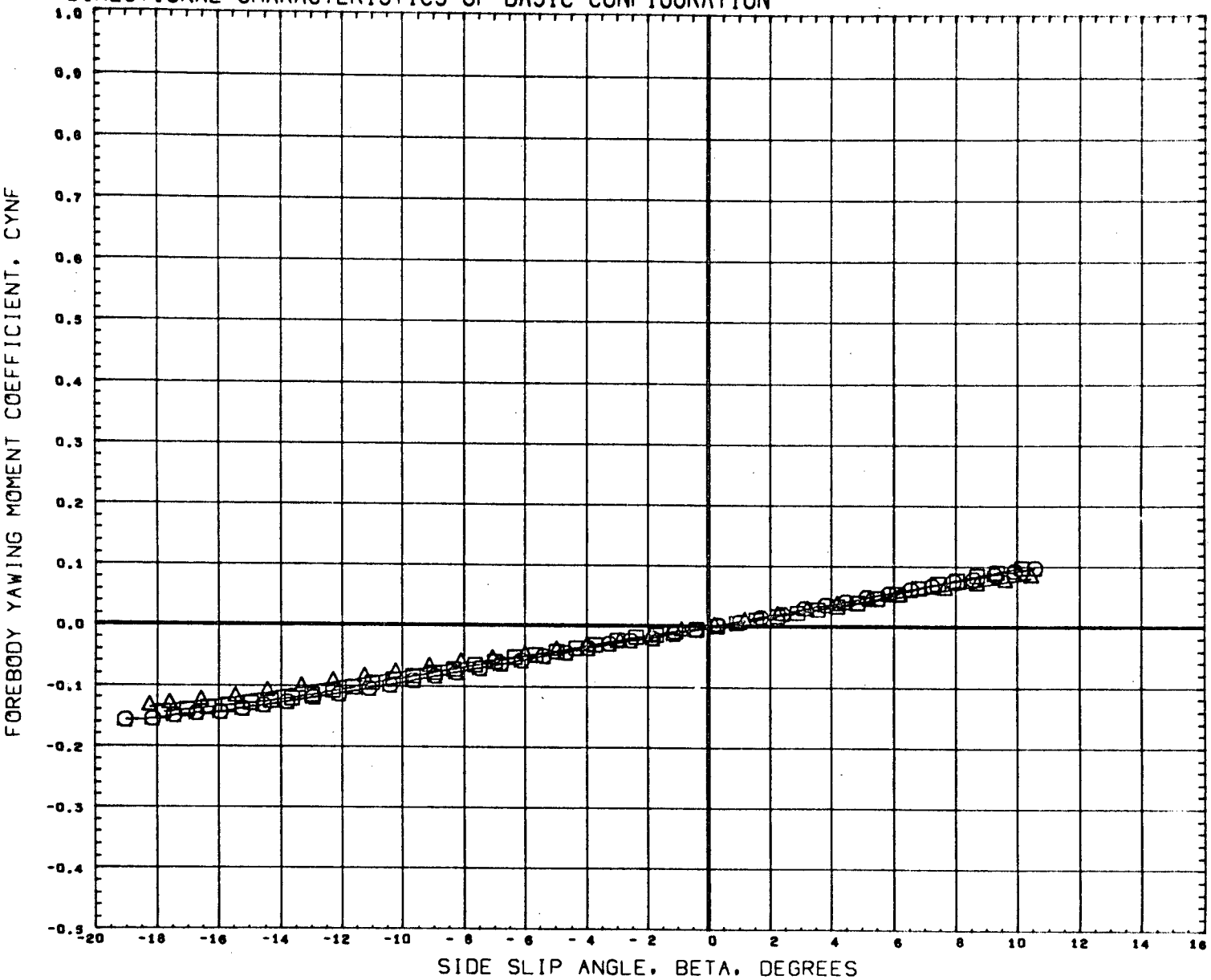
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

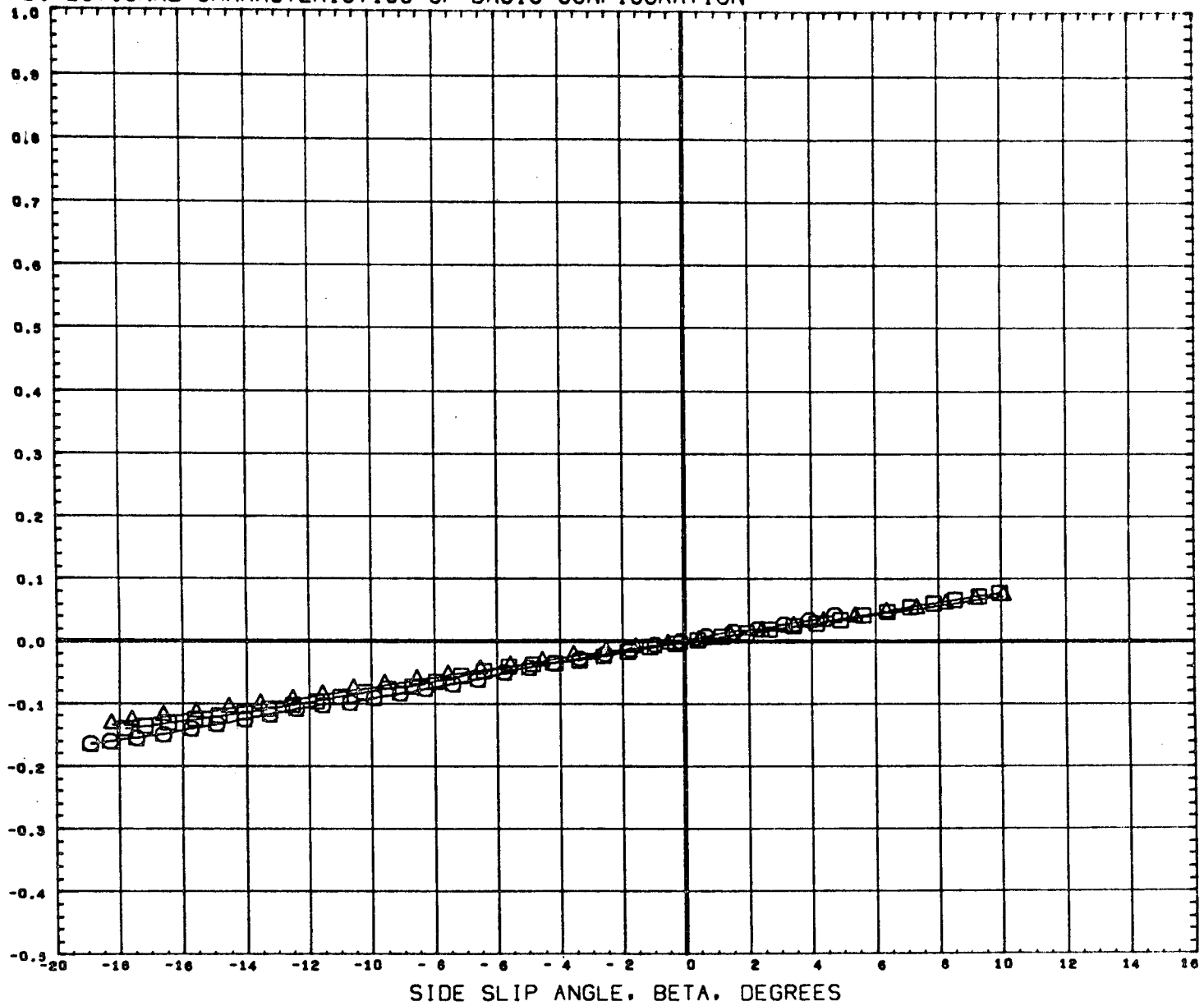
REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

C.5

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

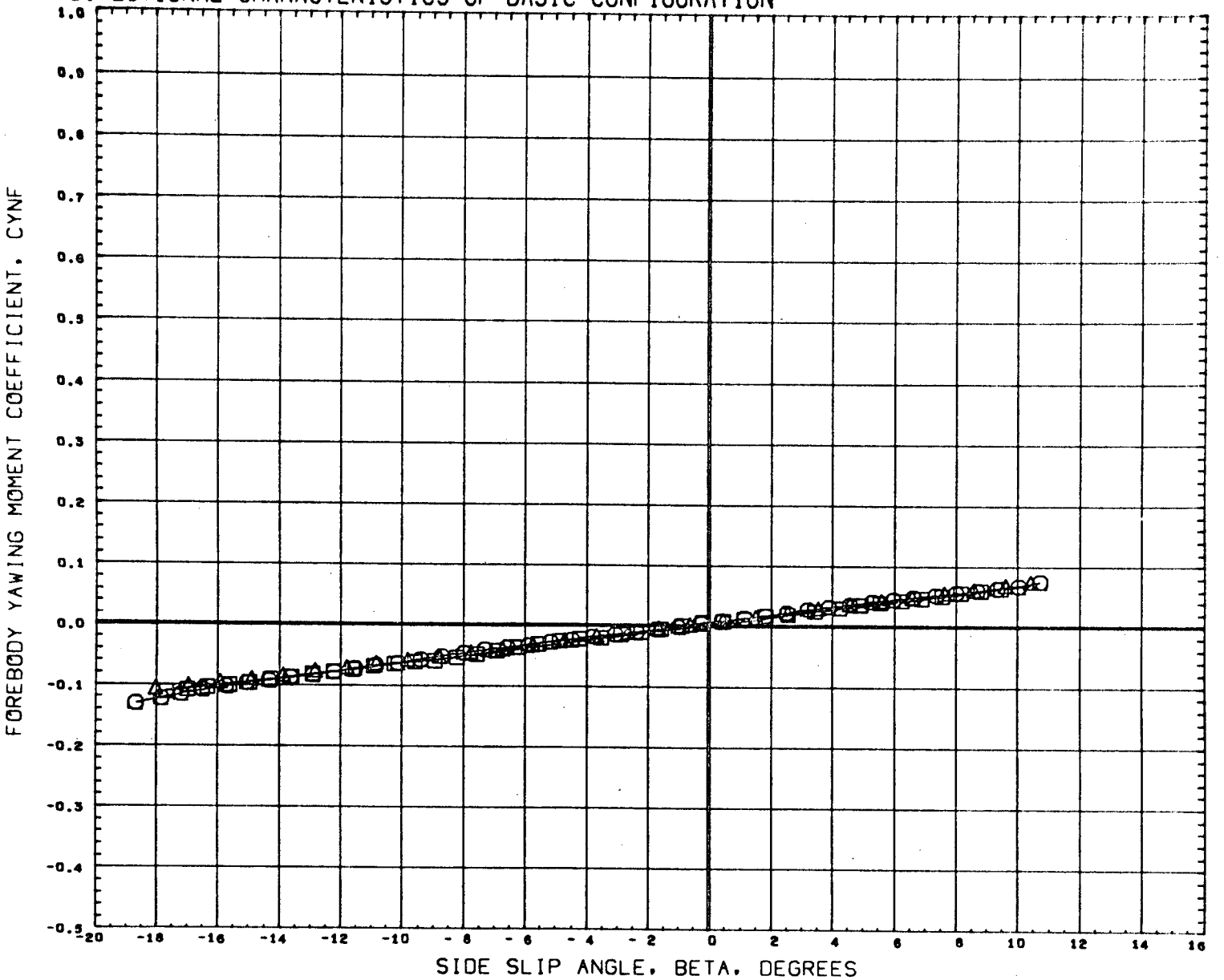


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

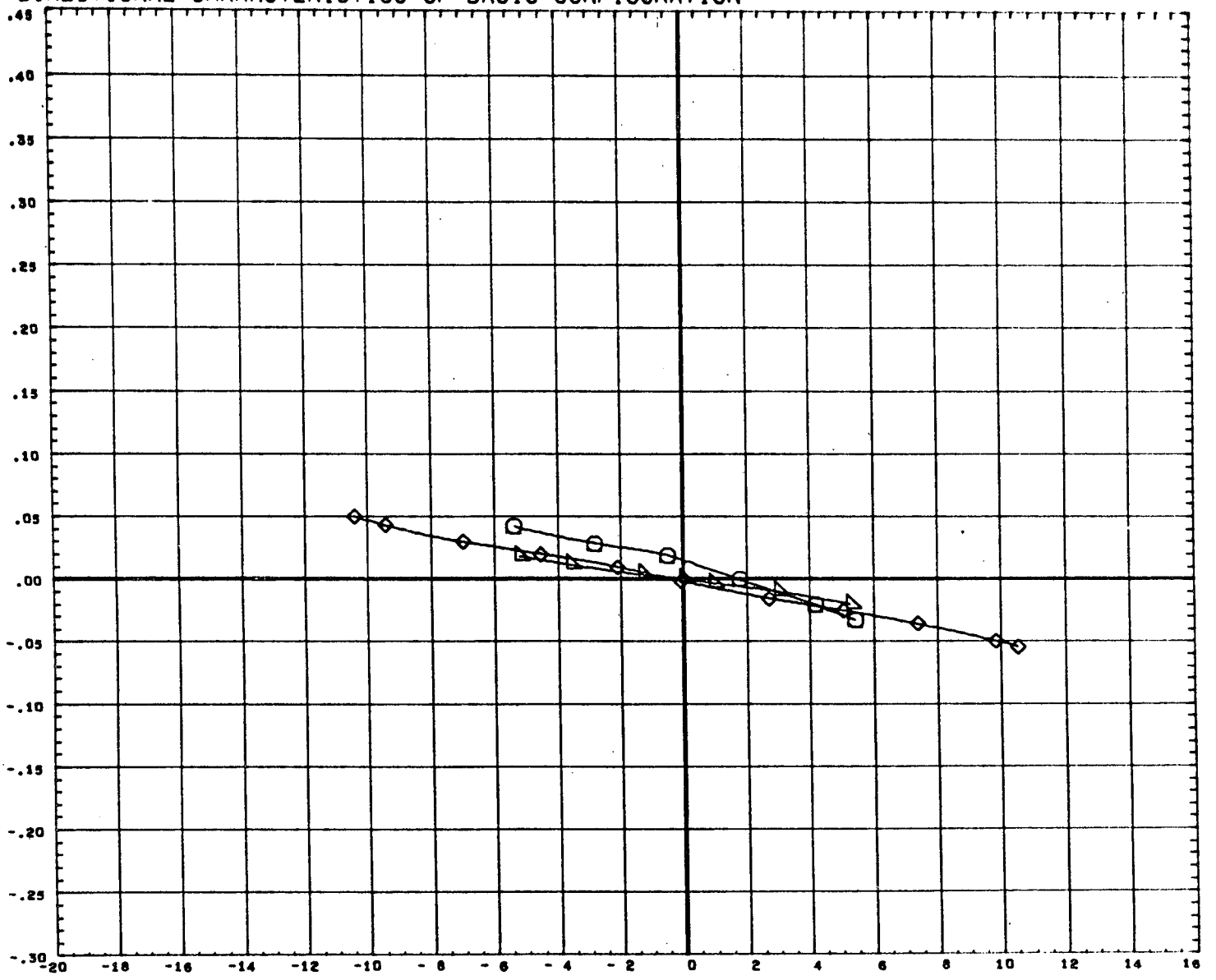


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	⊠	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

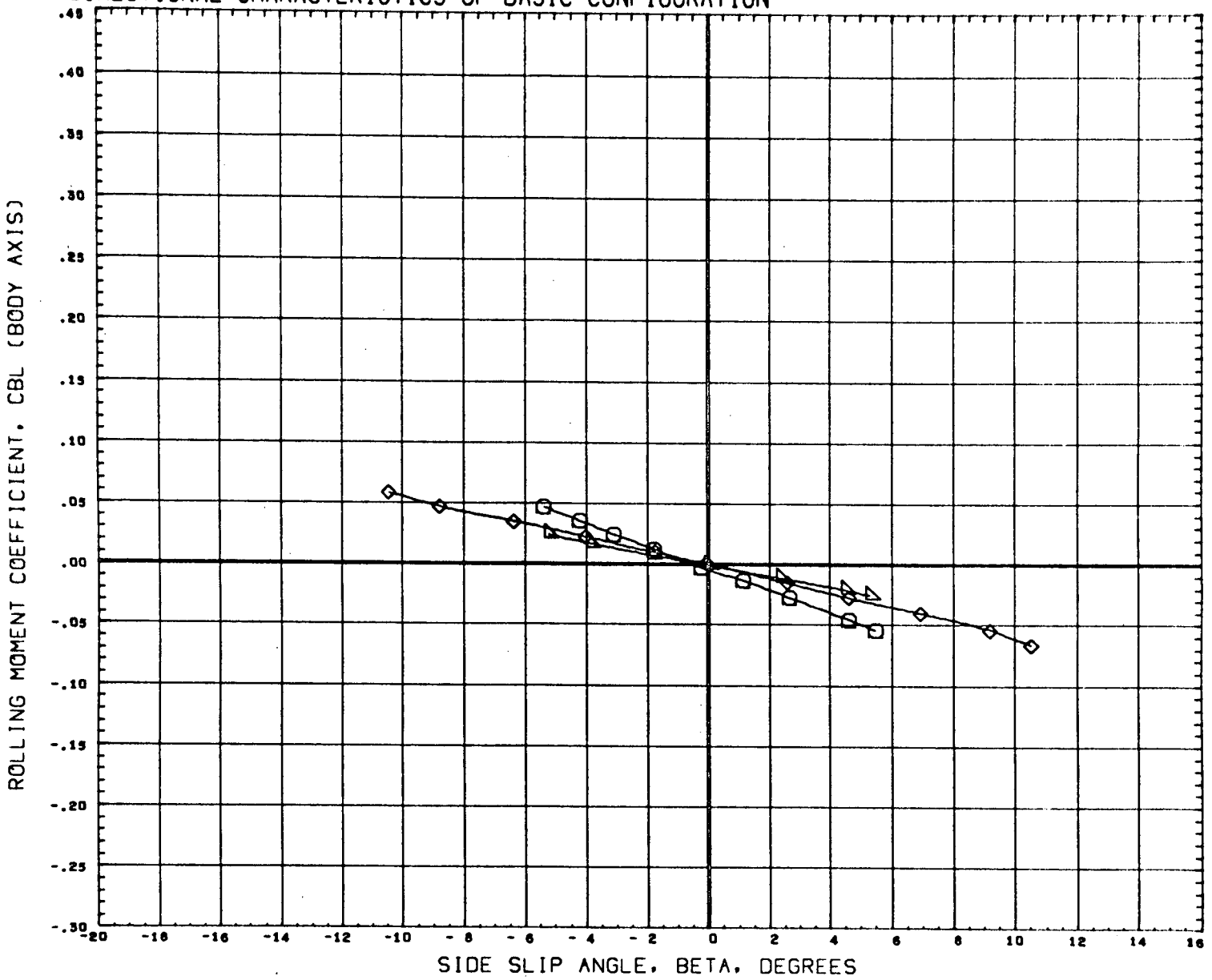


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	⊠	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

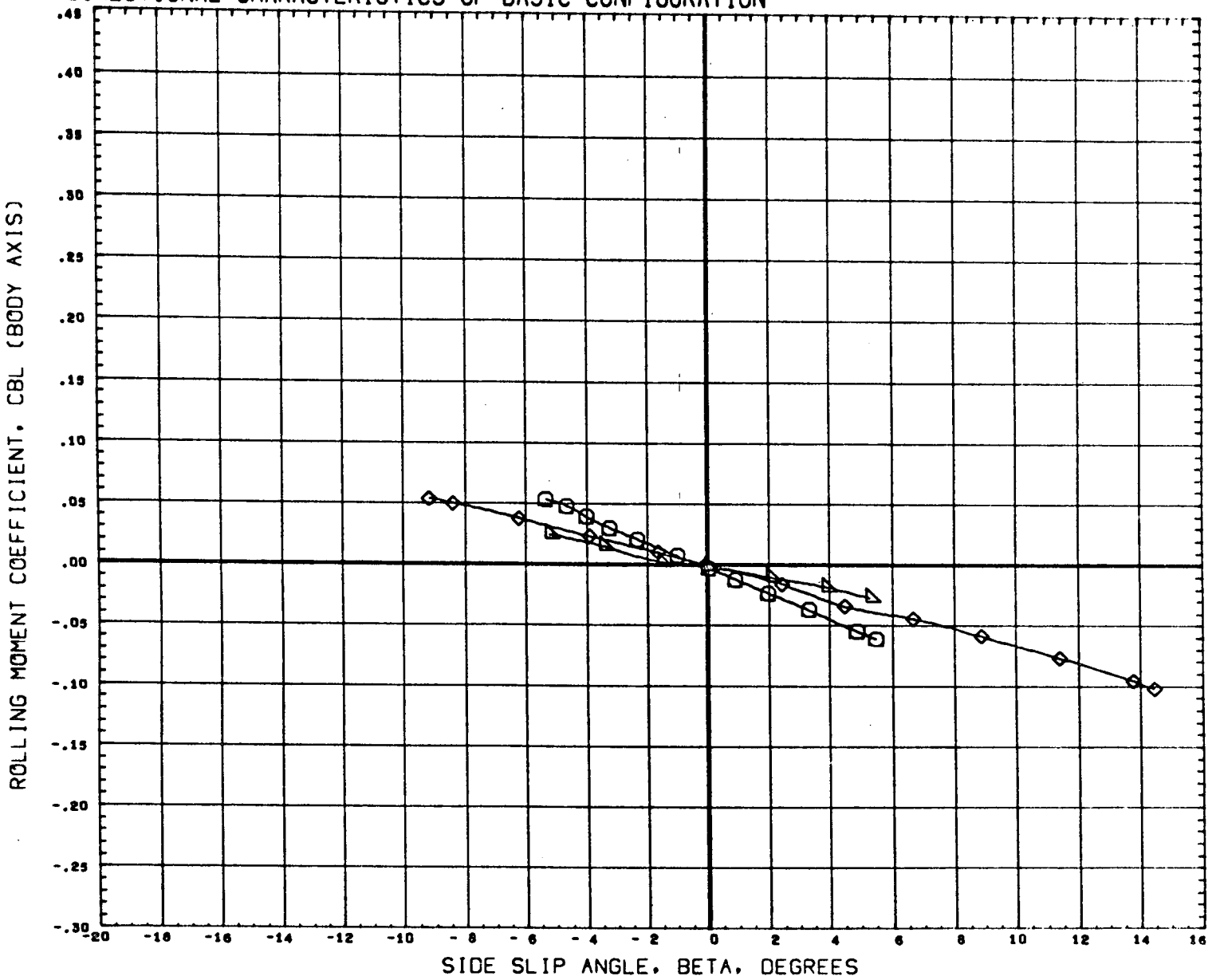


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



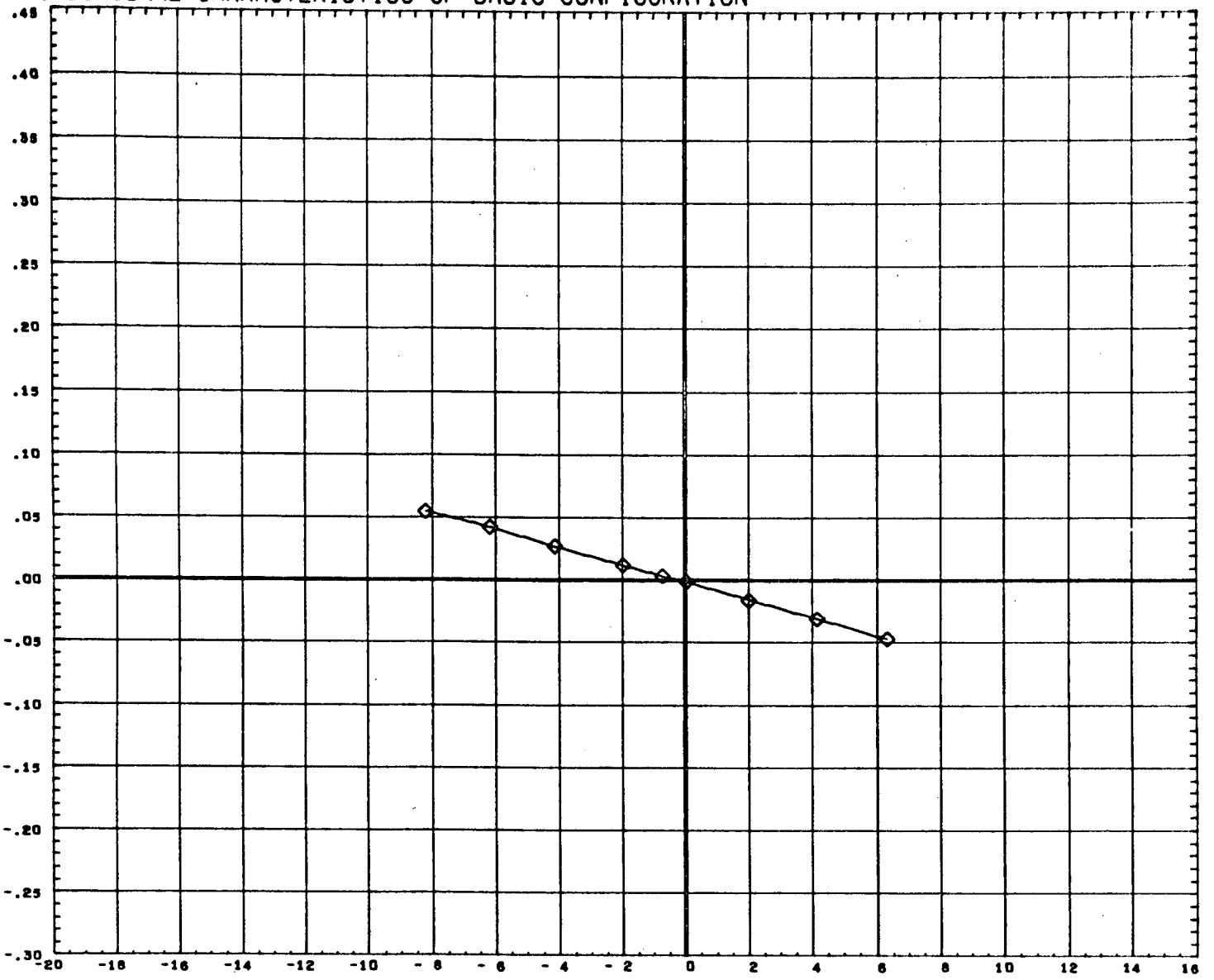
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▷	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



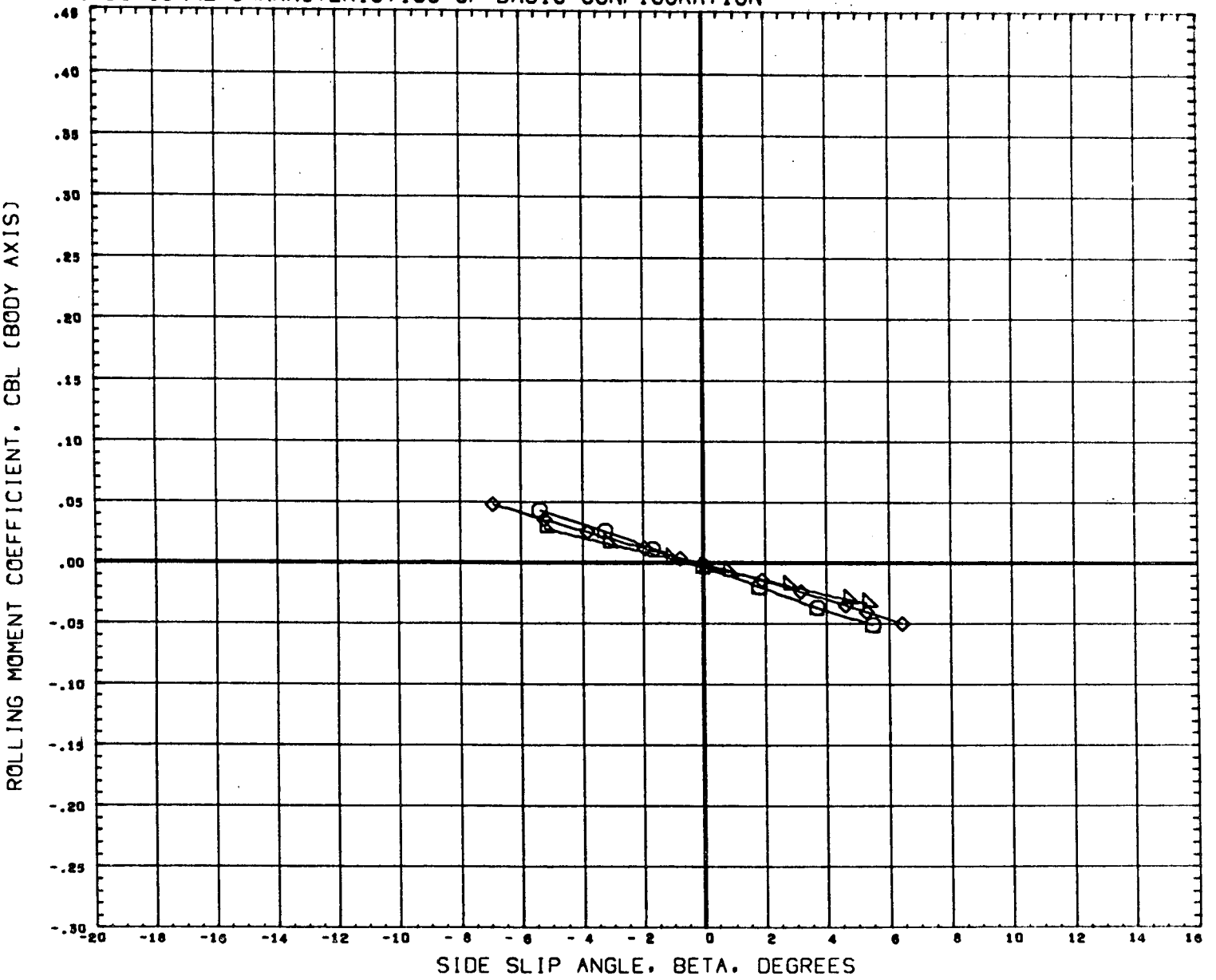
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		DATA NOT AVAILABLE FOR ALL CONDITIONS		50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



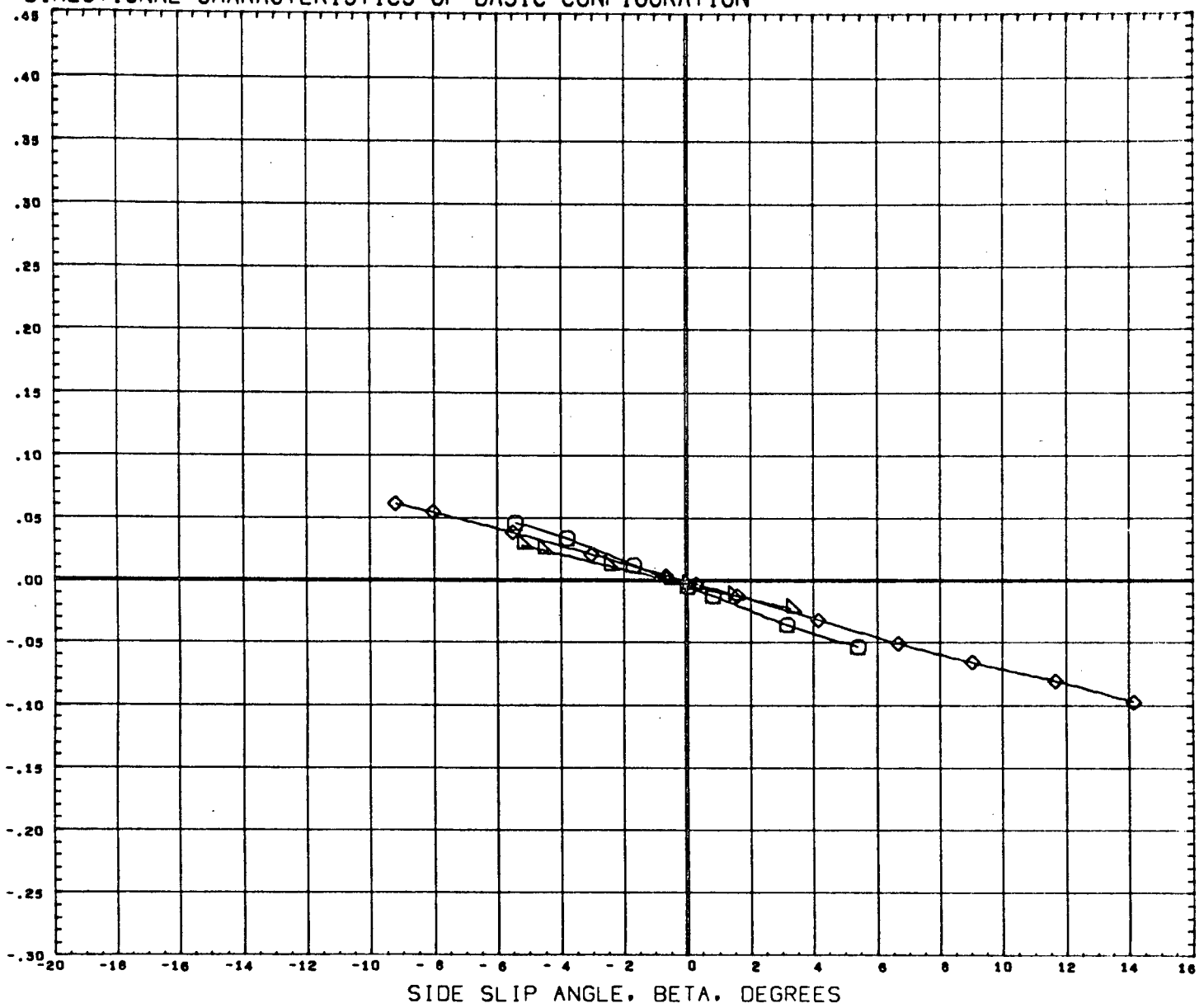
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▷	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



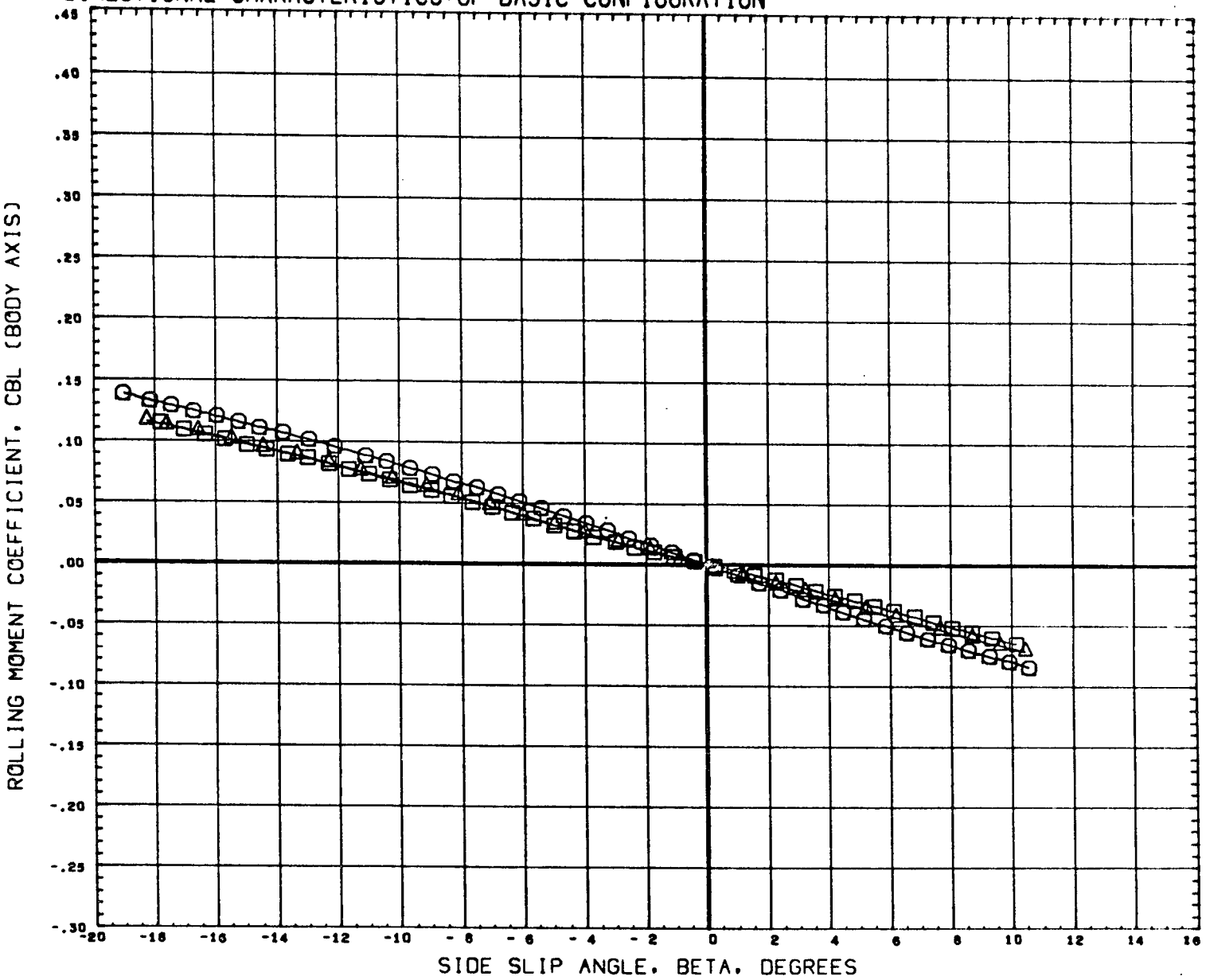
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

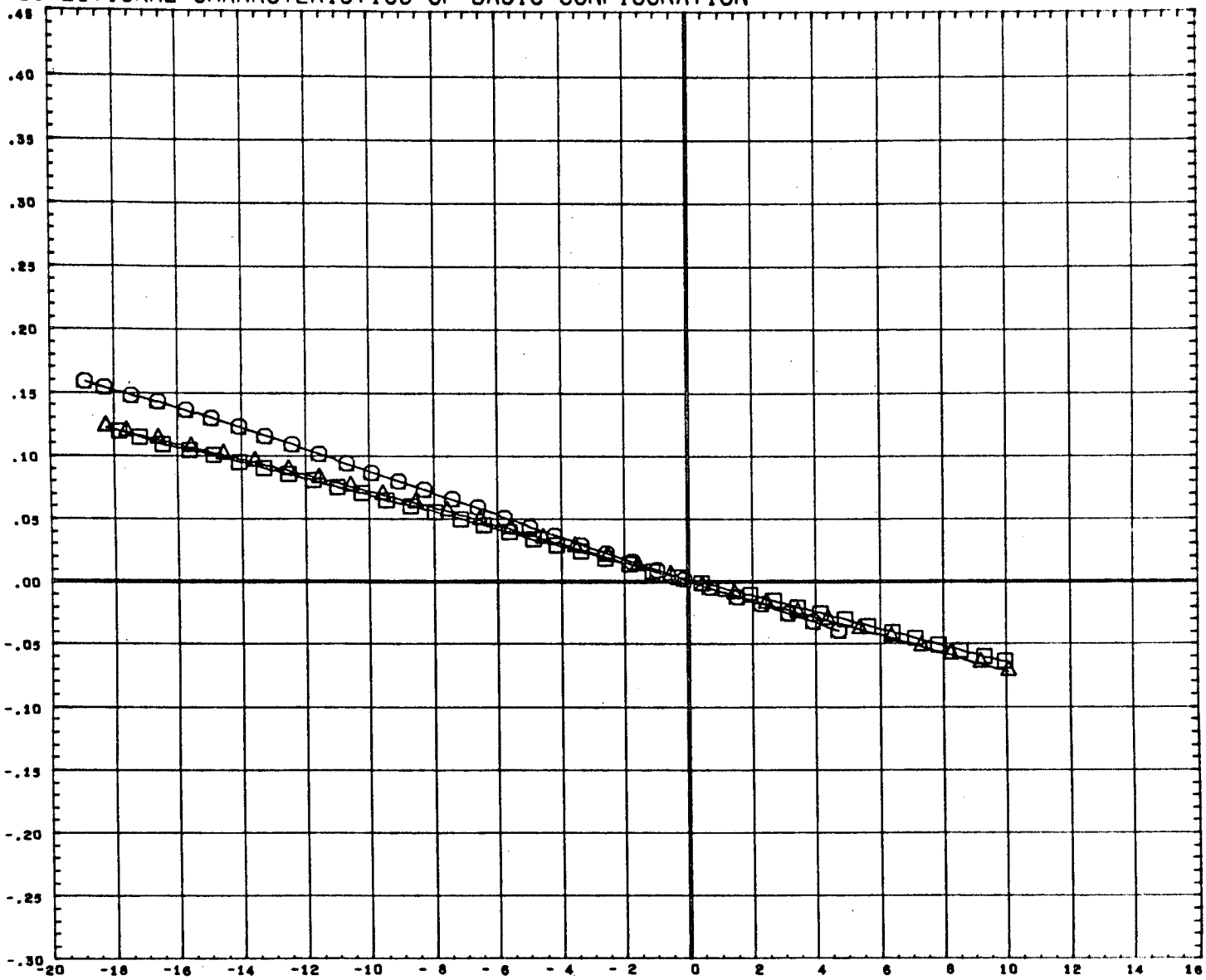


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	▷	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

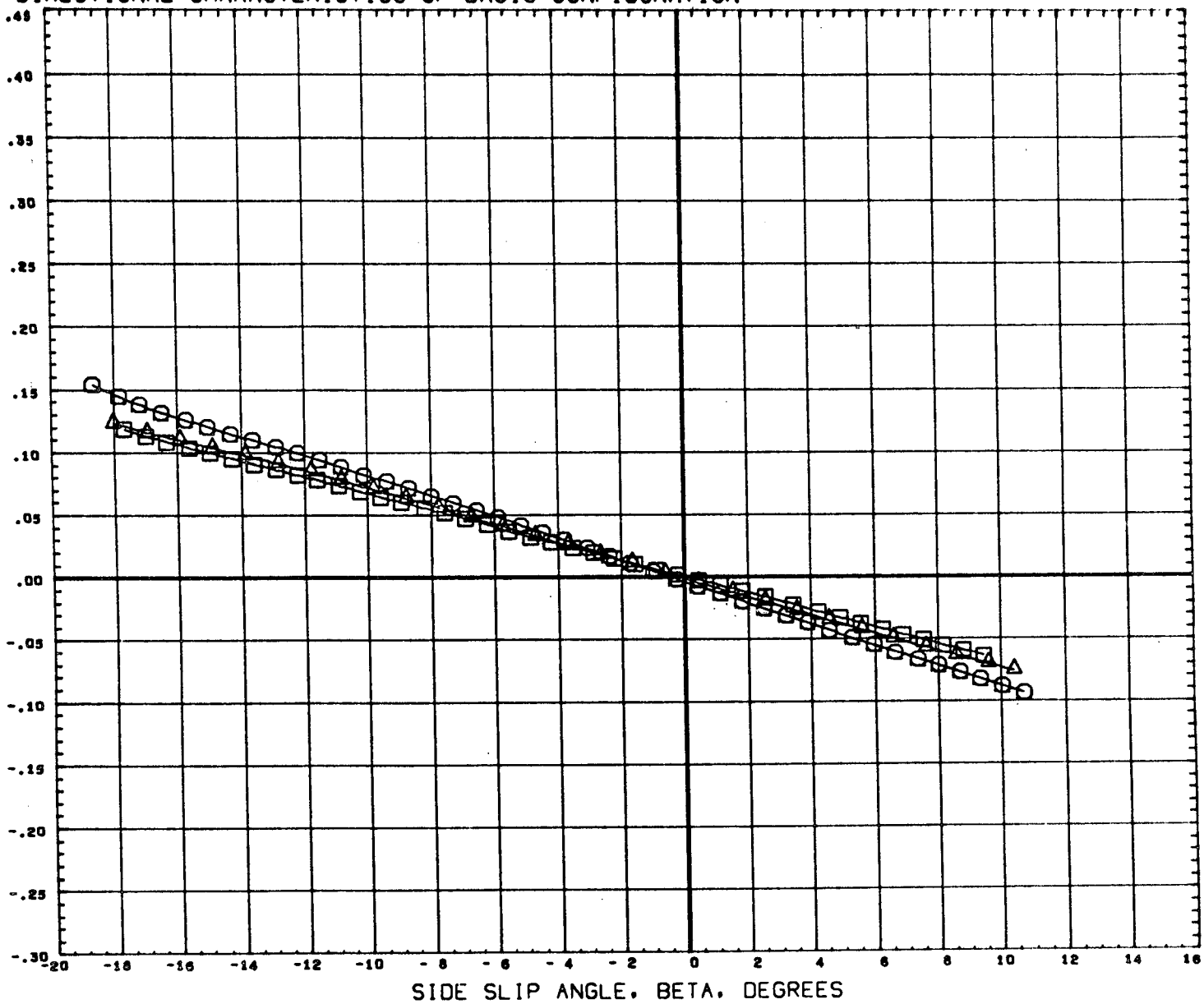


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



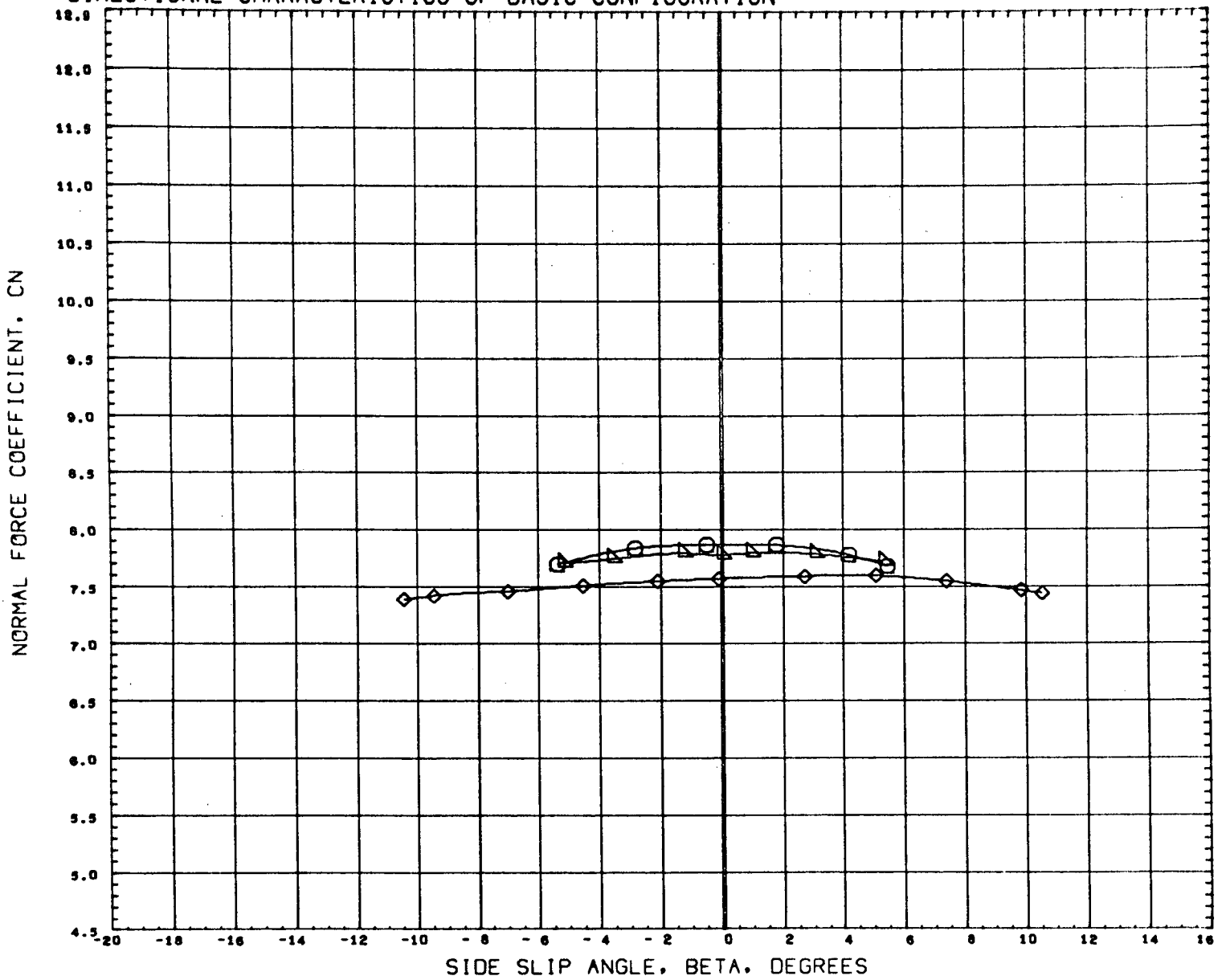
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

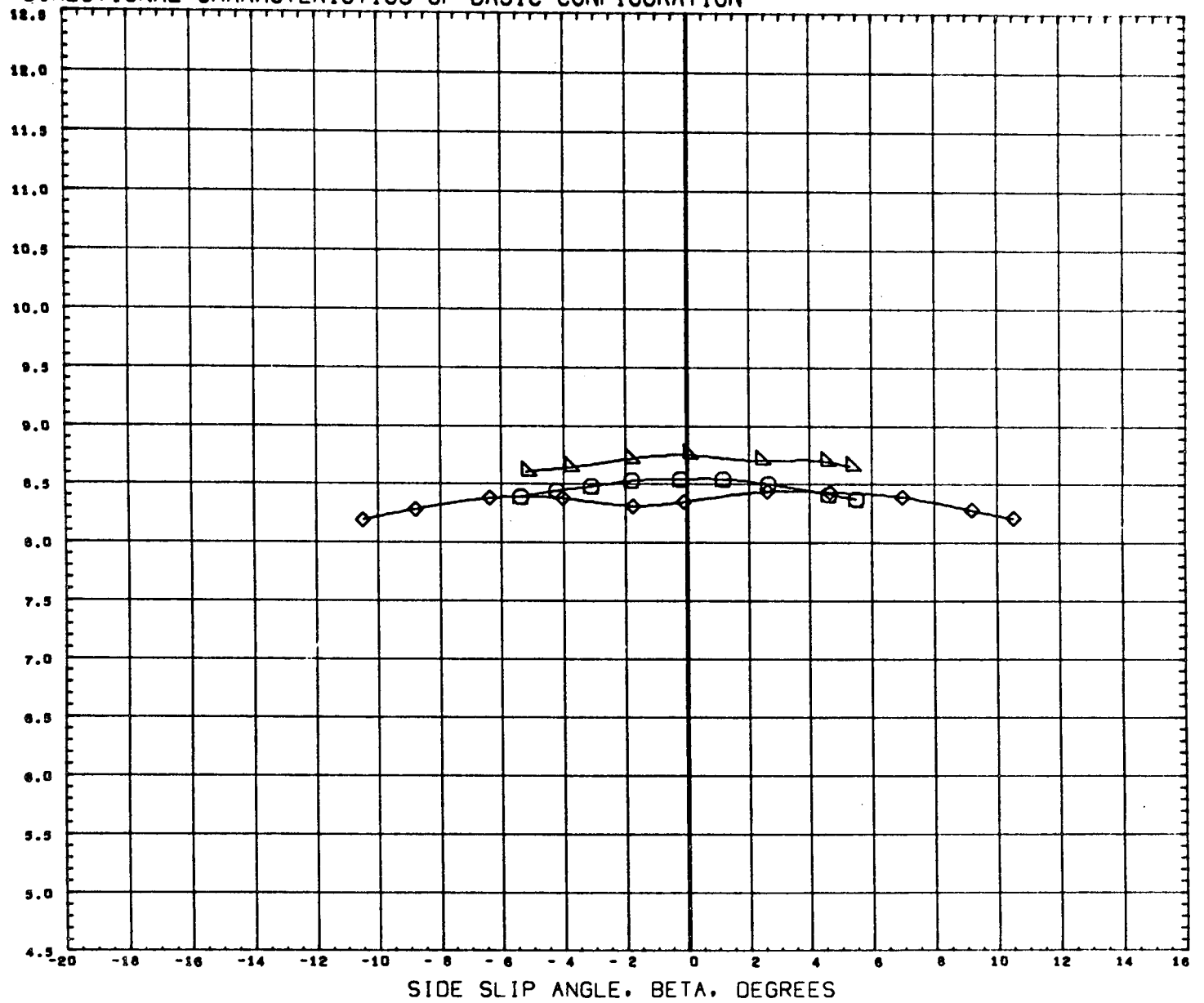


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

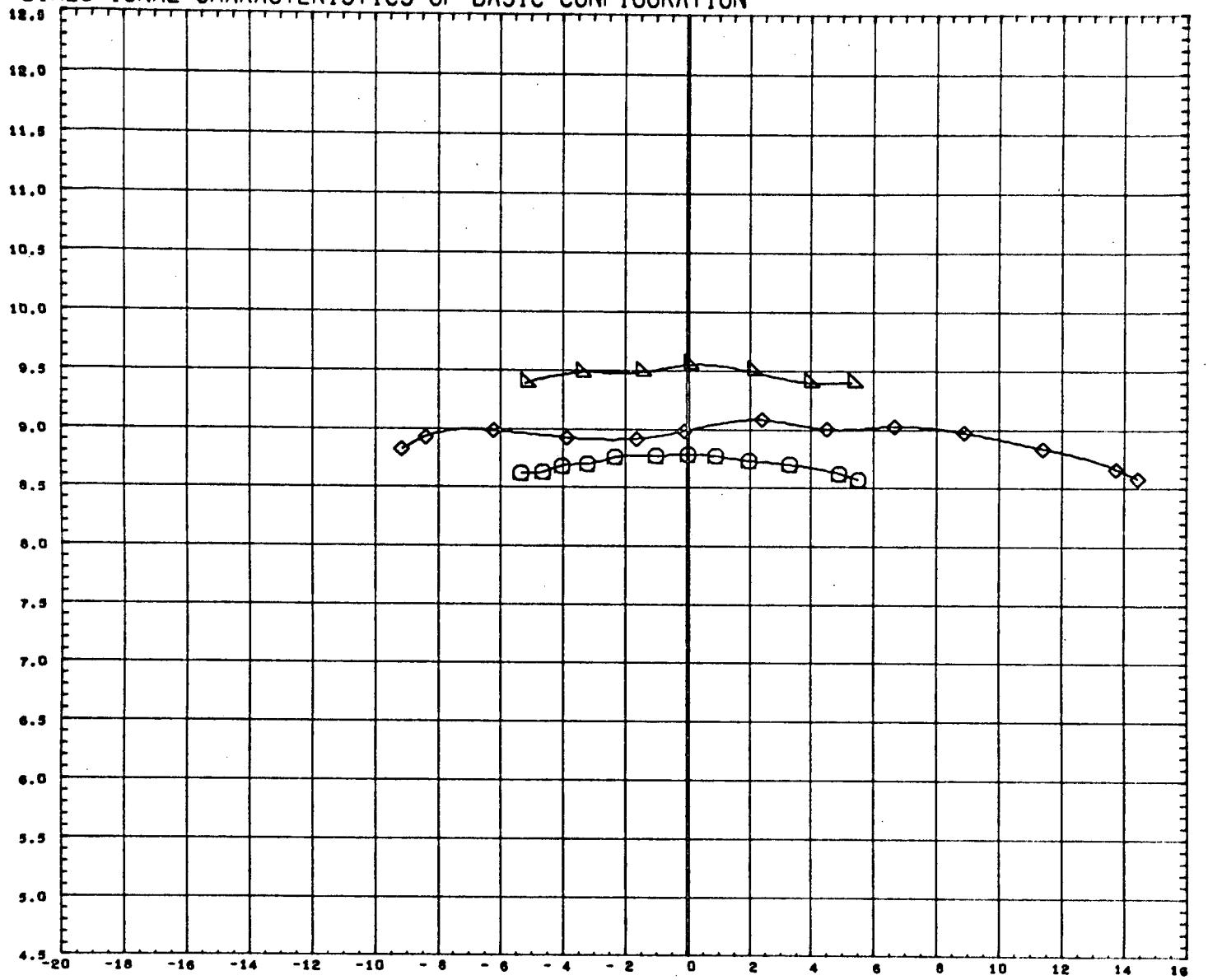


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

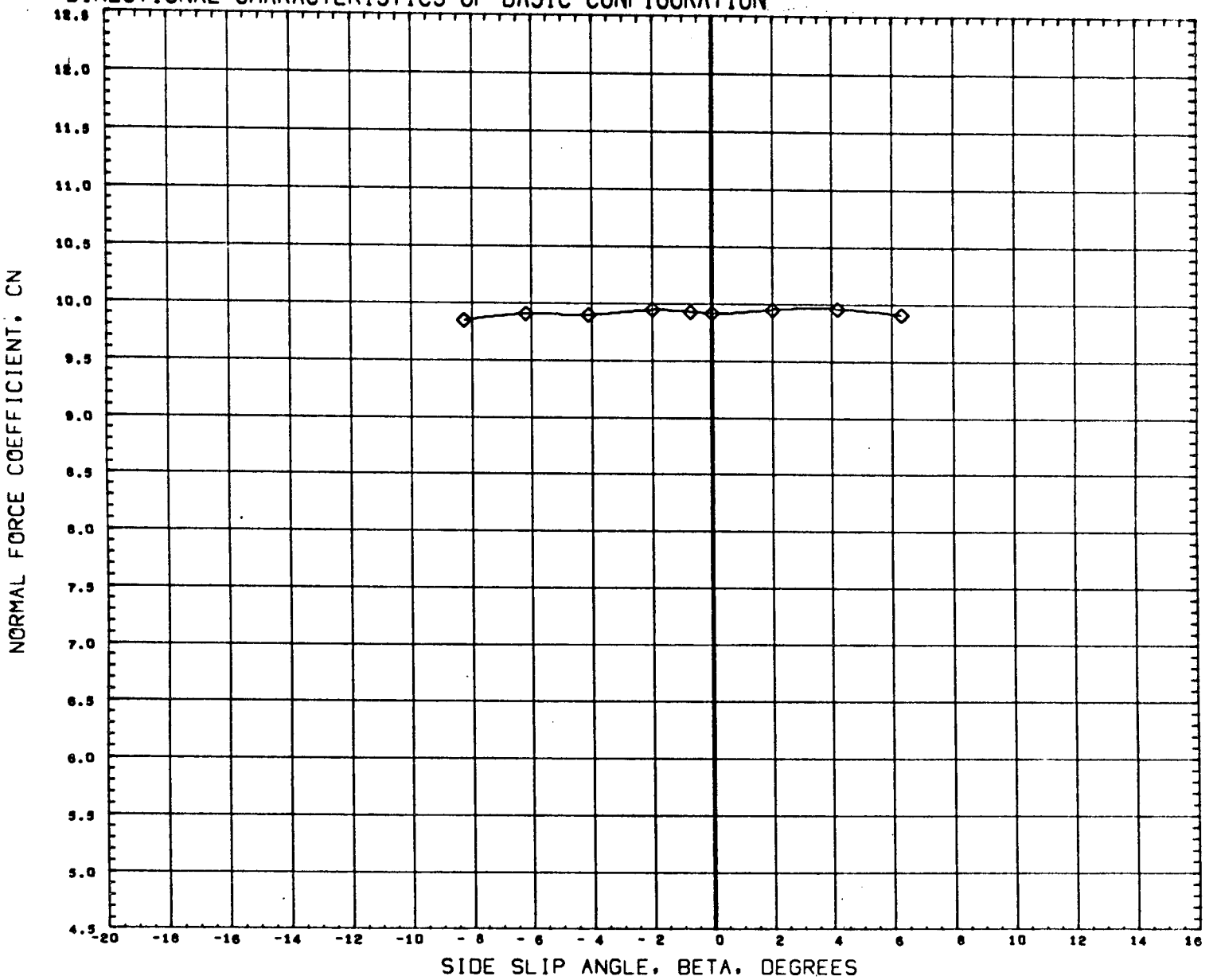


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

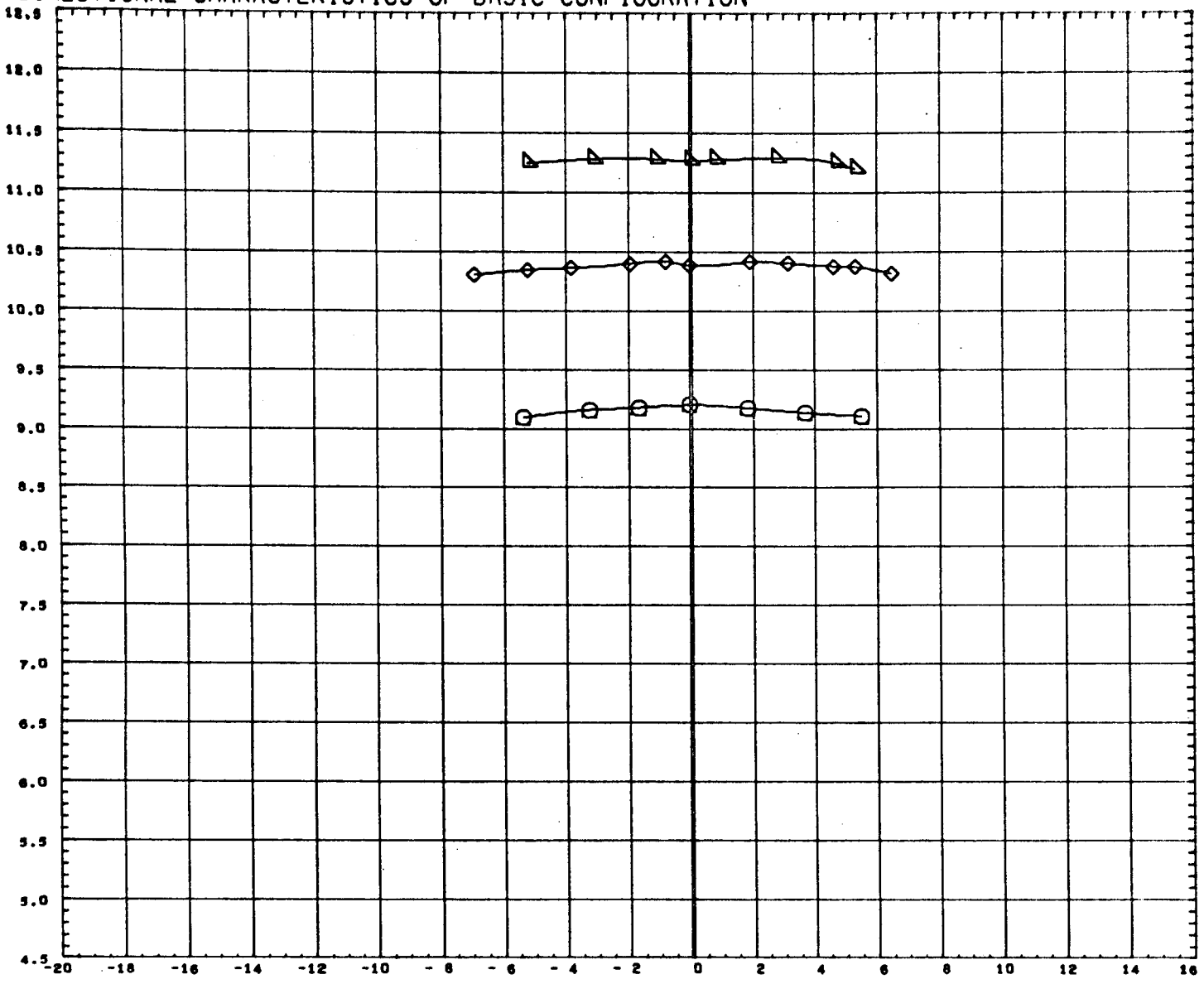


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		DATA NOT AVAILABLE FOR ALL CONDITIONS		50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

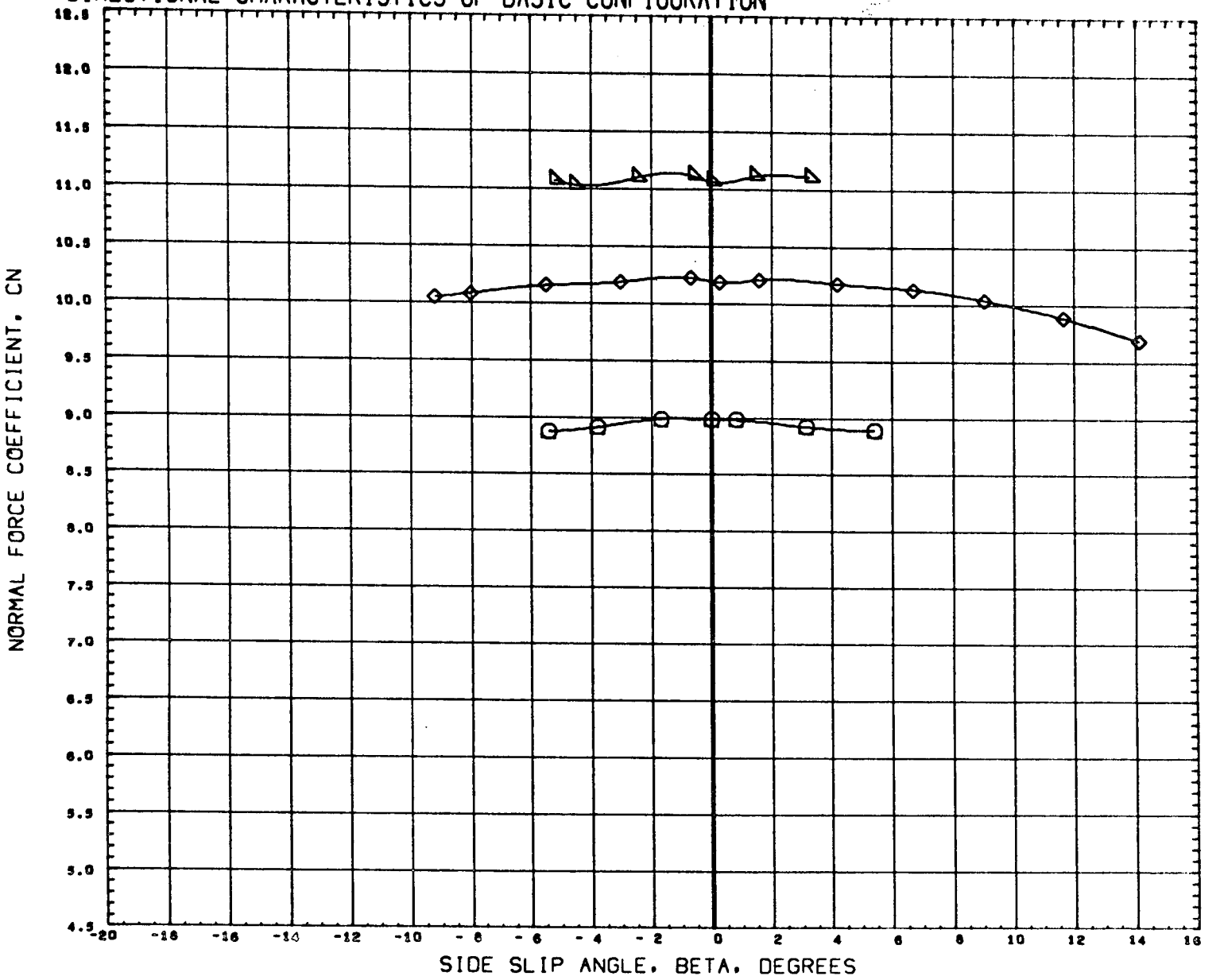


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

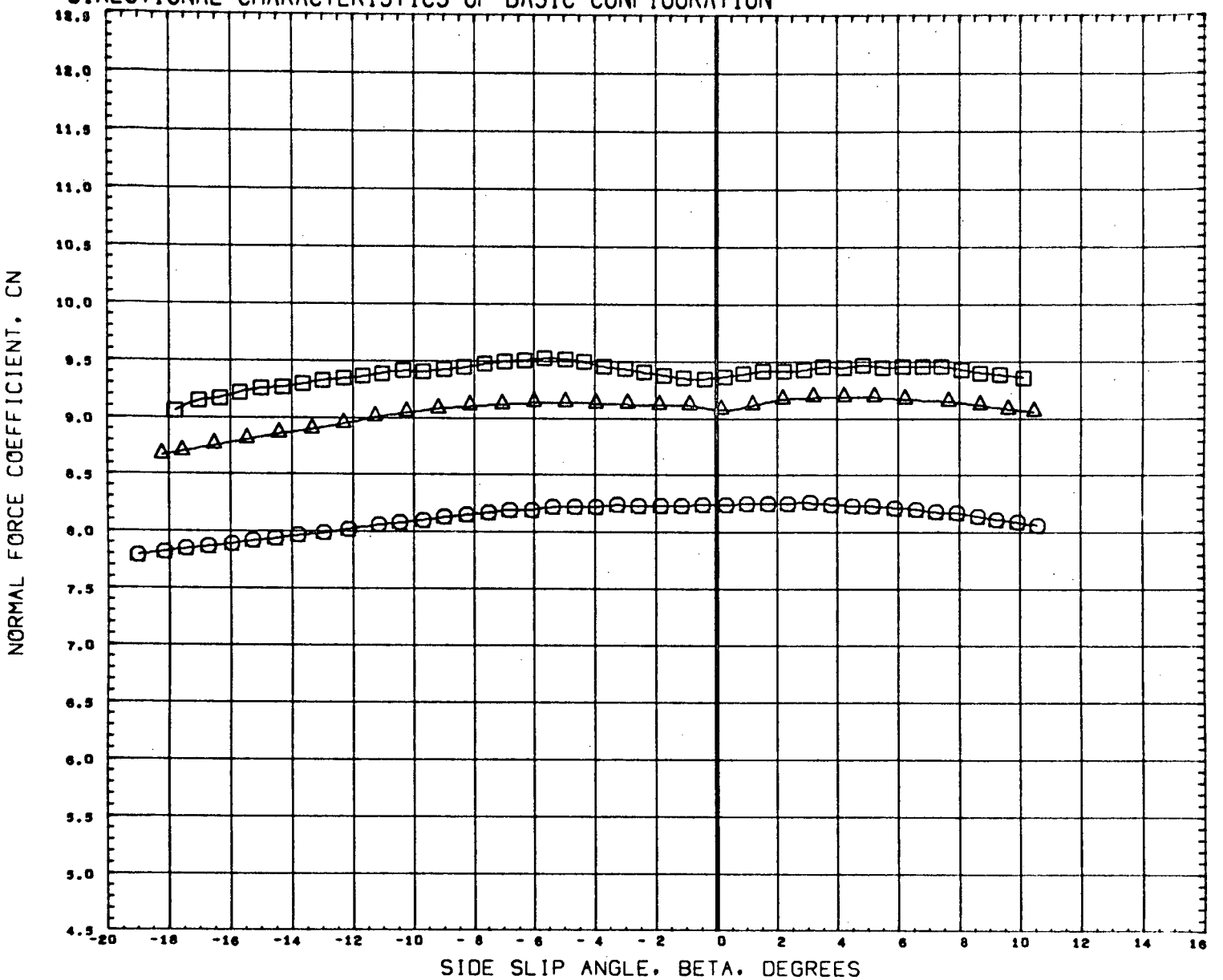


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4034)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(CD4035)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4036)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



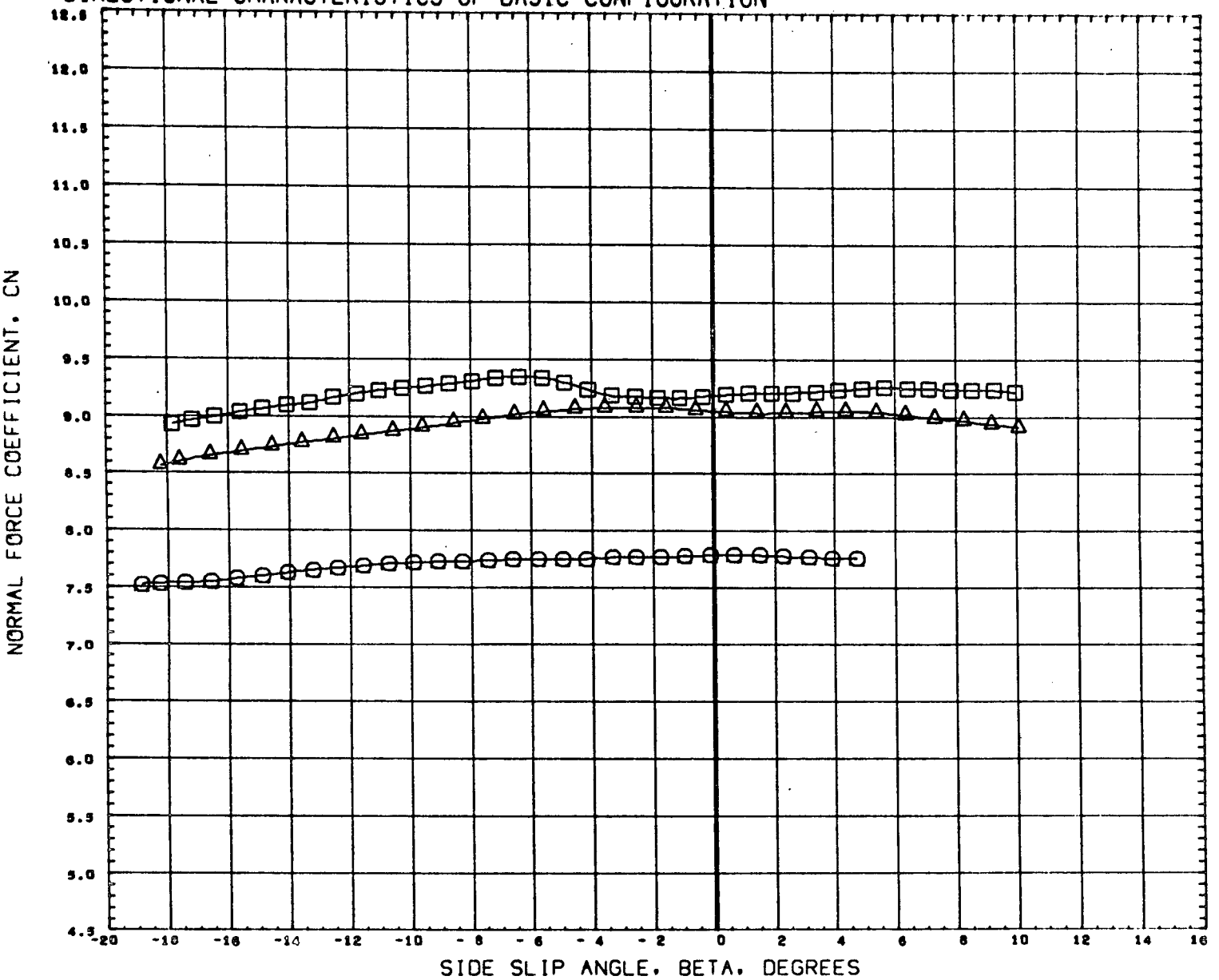
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION

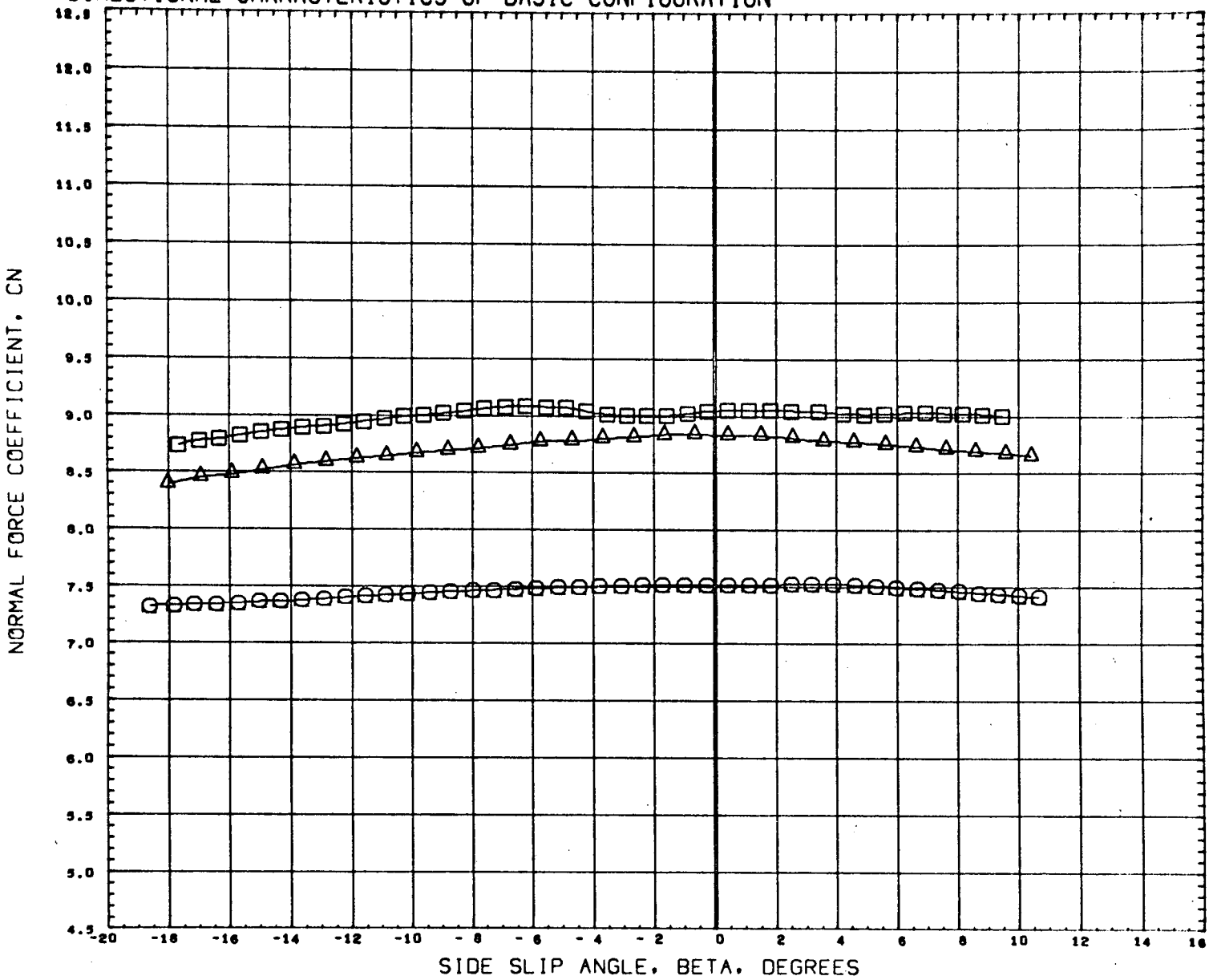


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS OF BASIC CONFIGURATION



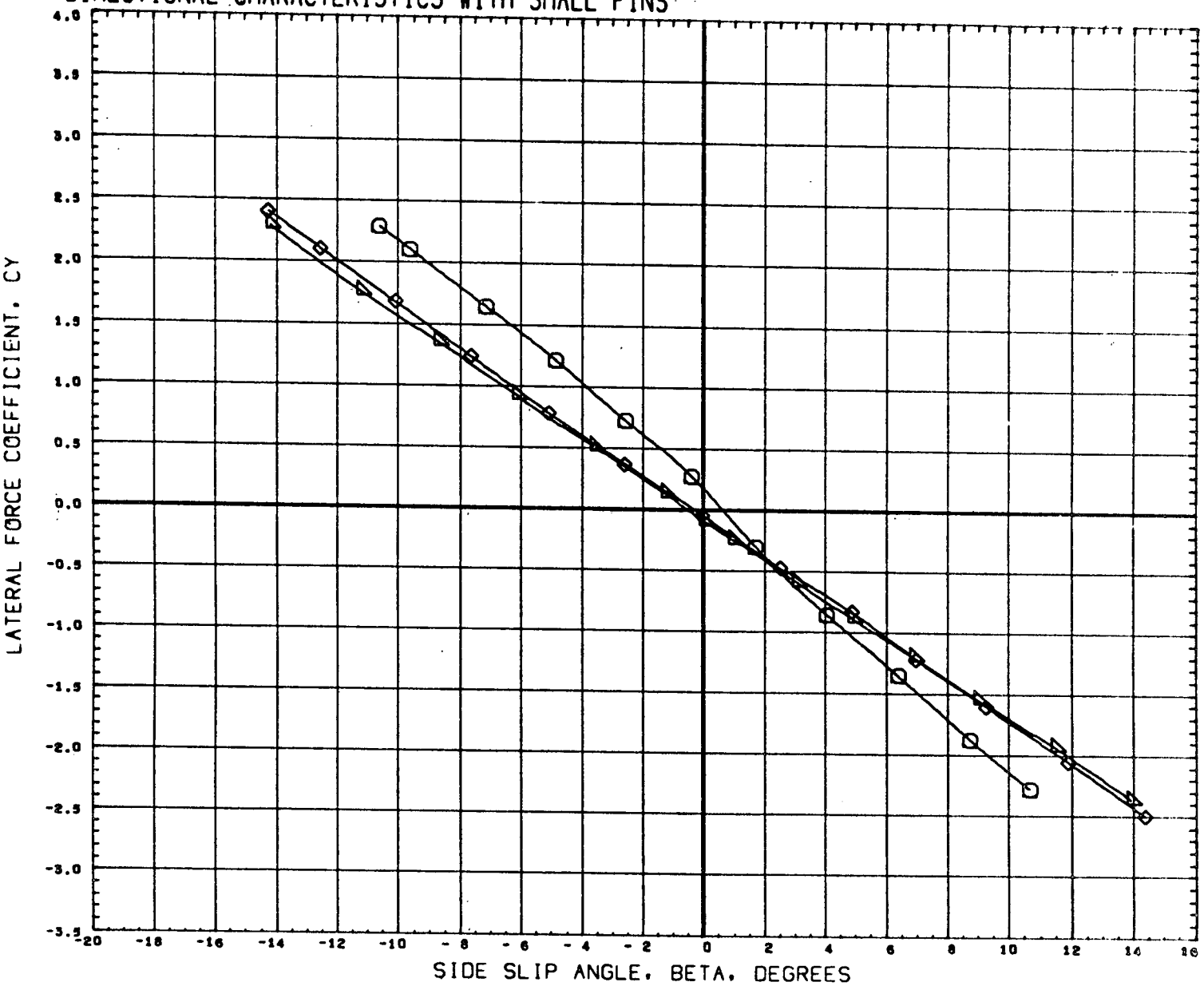
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4033)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4034)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(CD4035)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	77.500
(AD4036)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



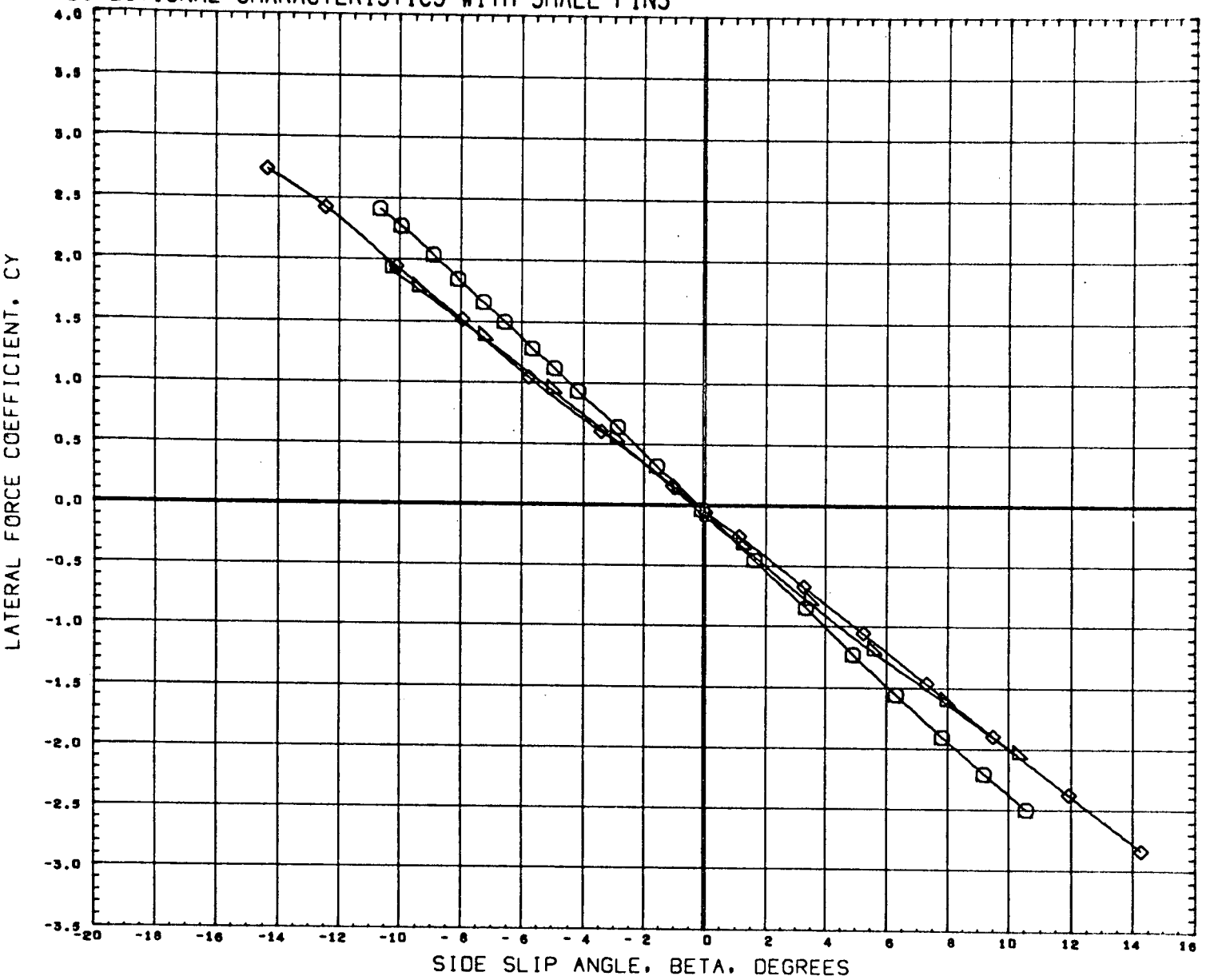
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



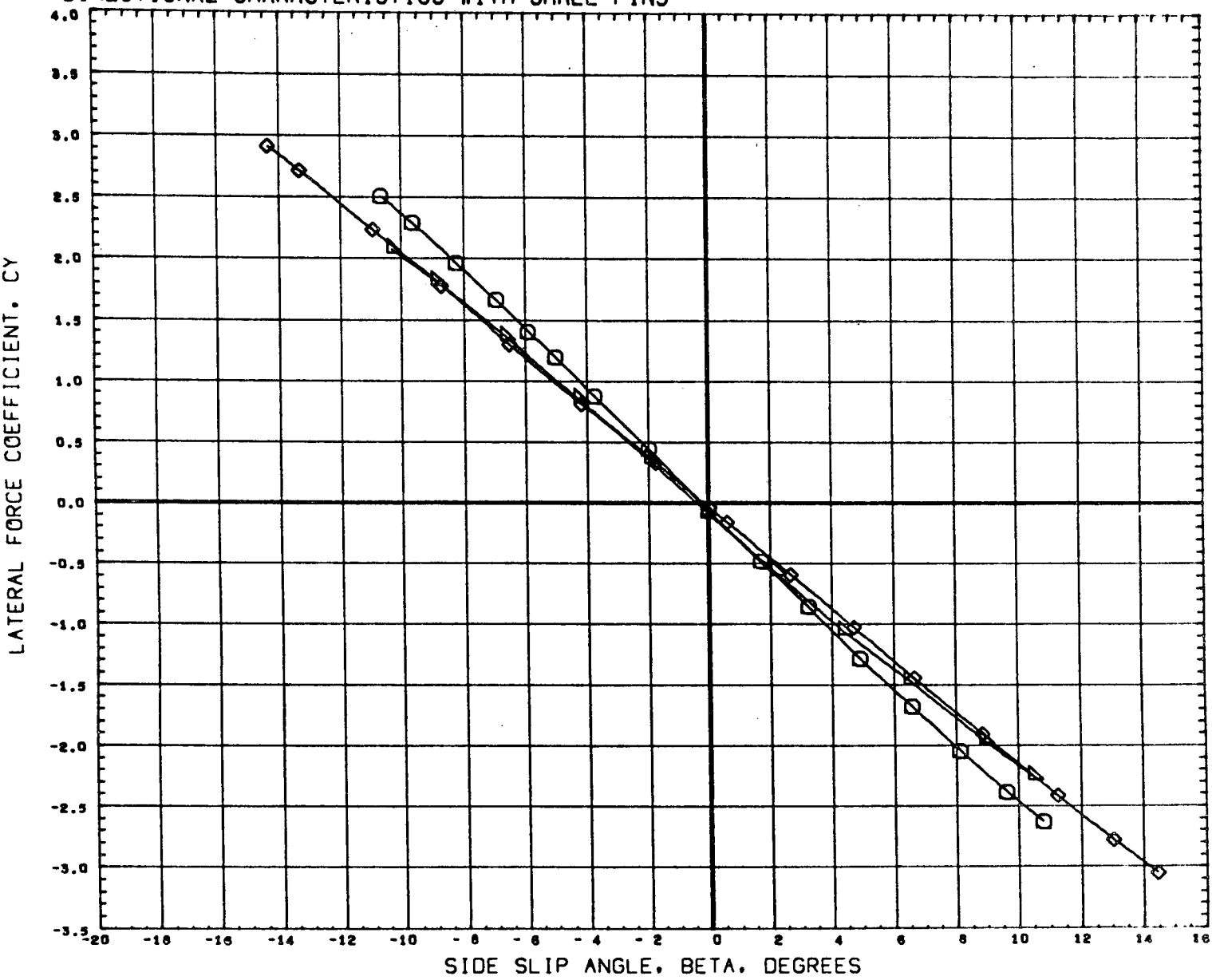
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▱	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

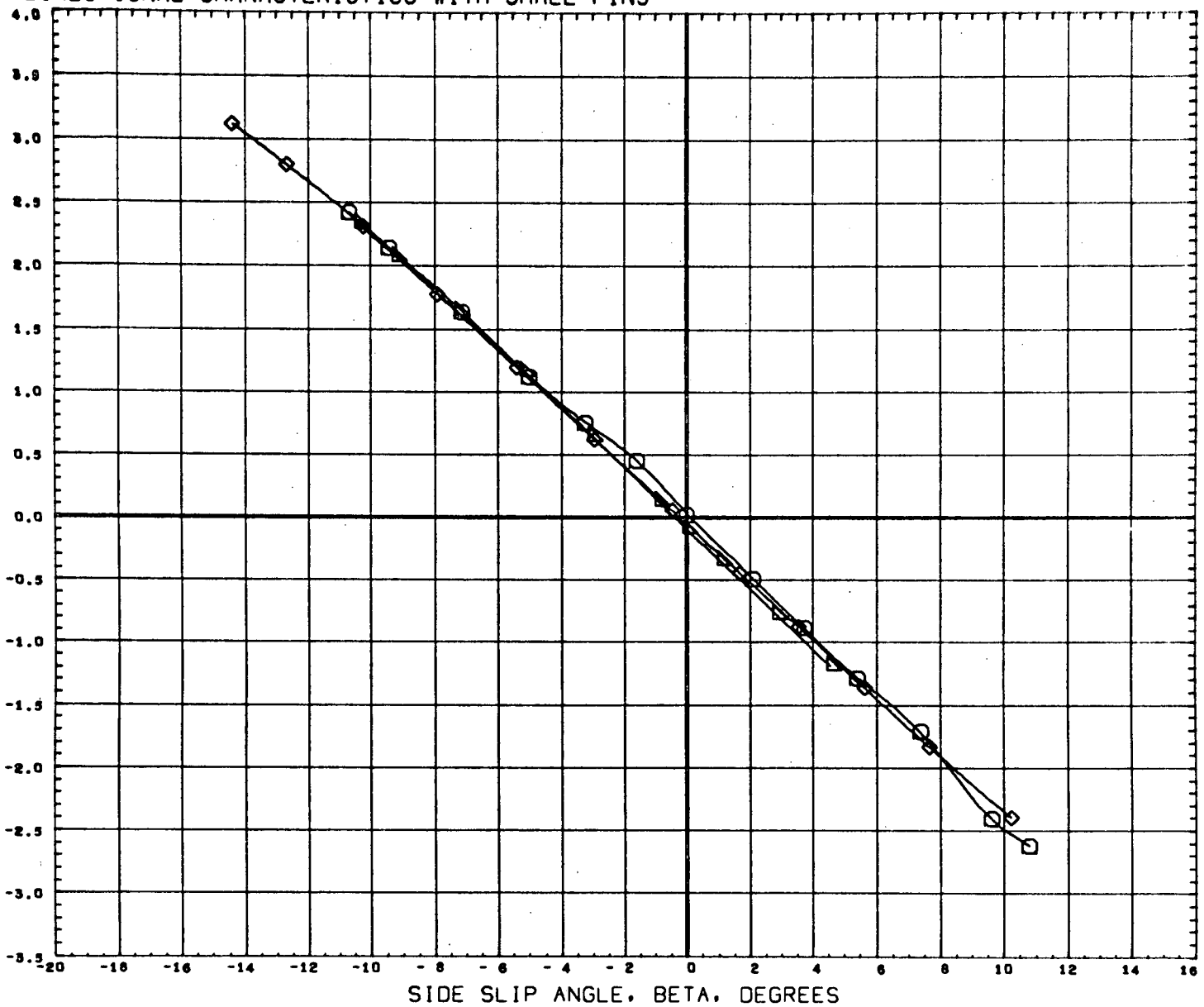


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

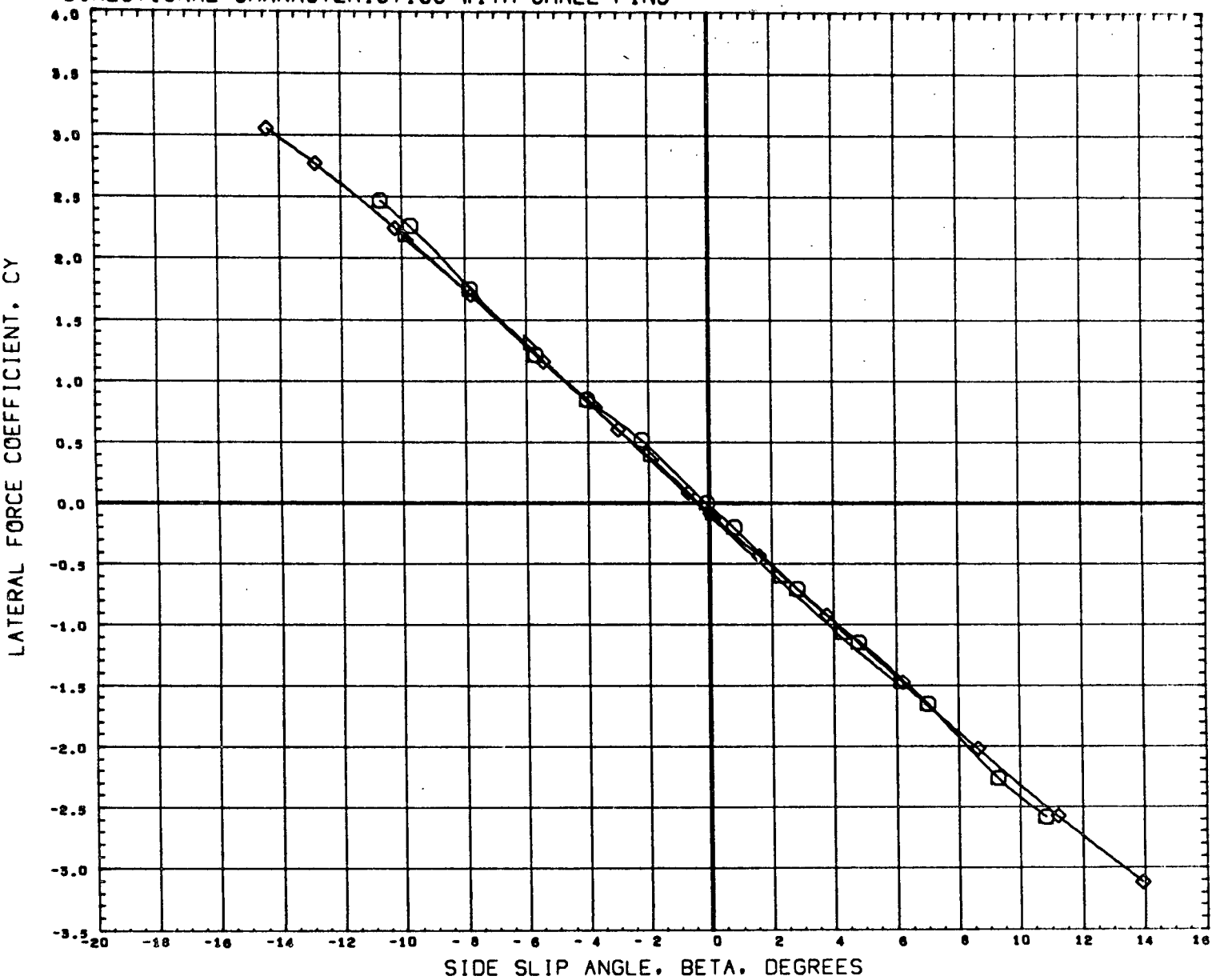


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	⌂	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



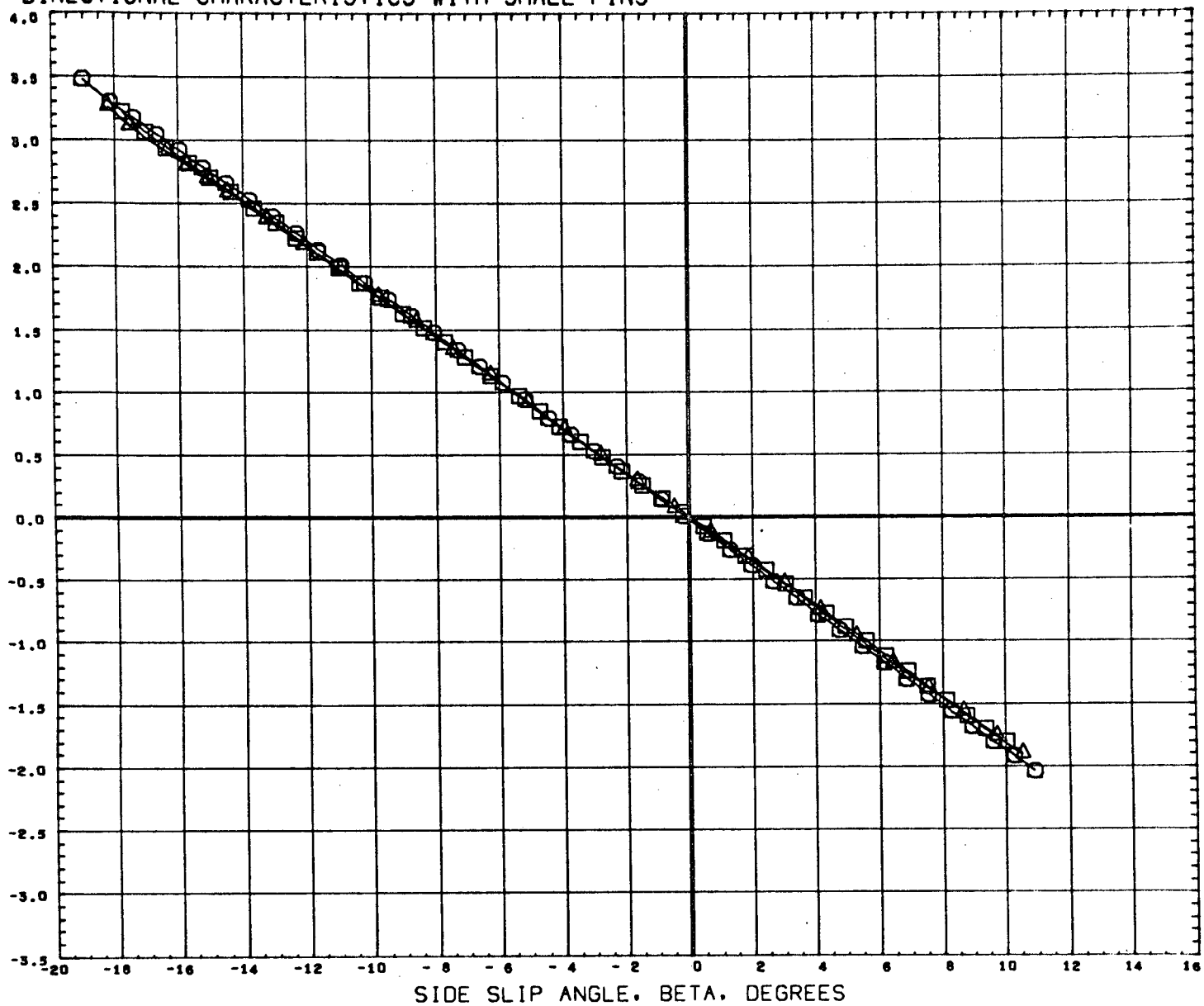
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

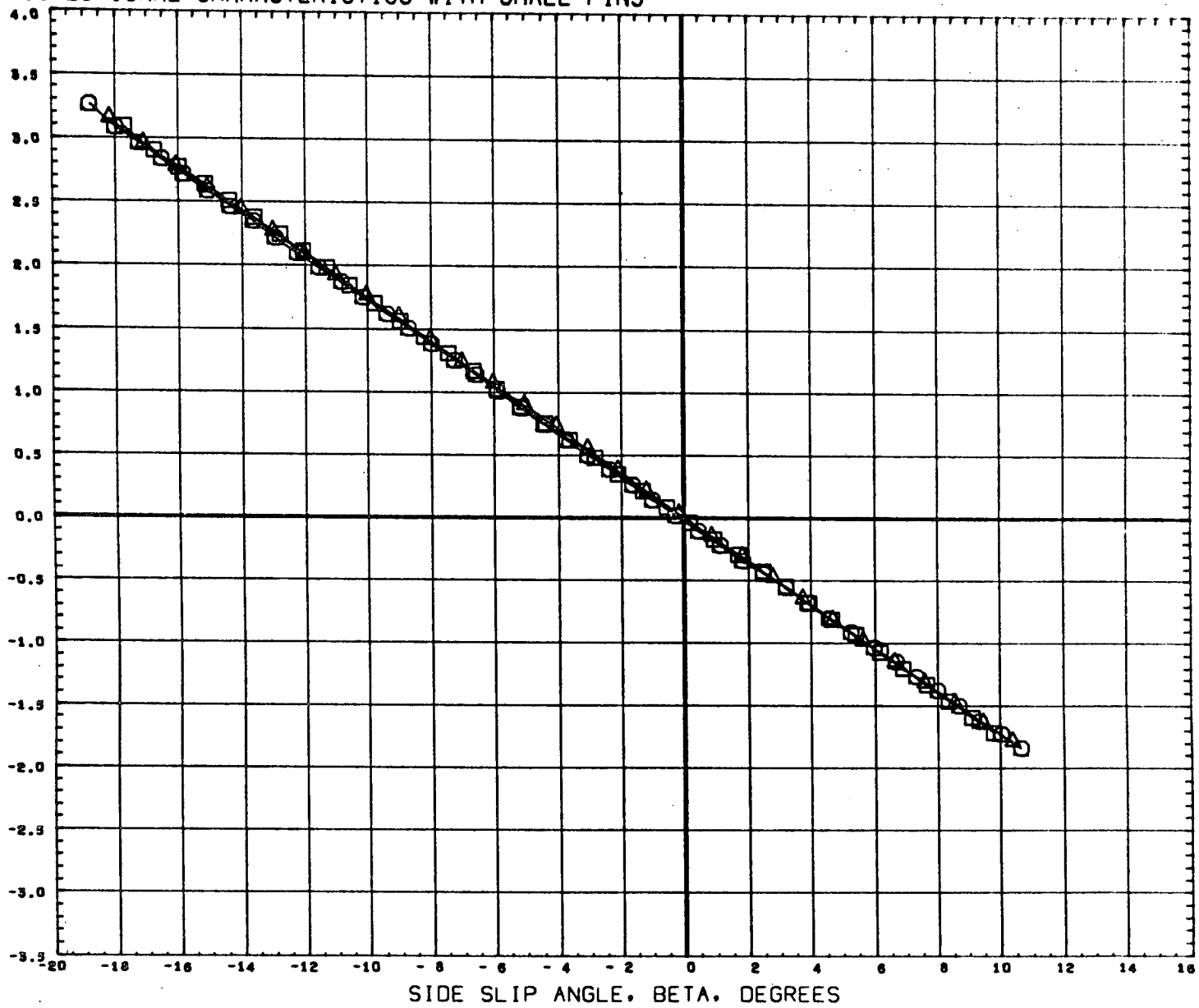


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



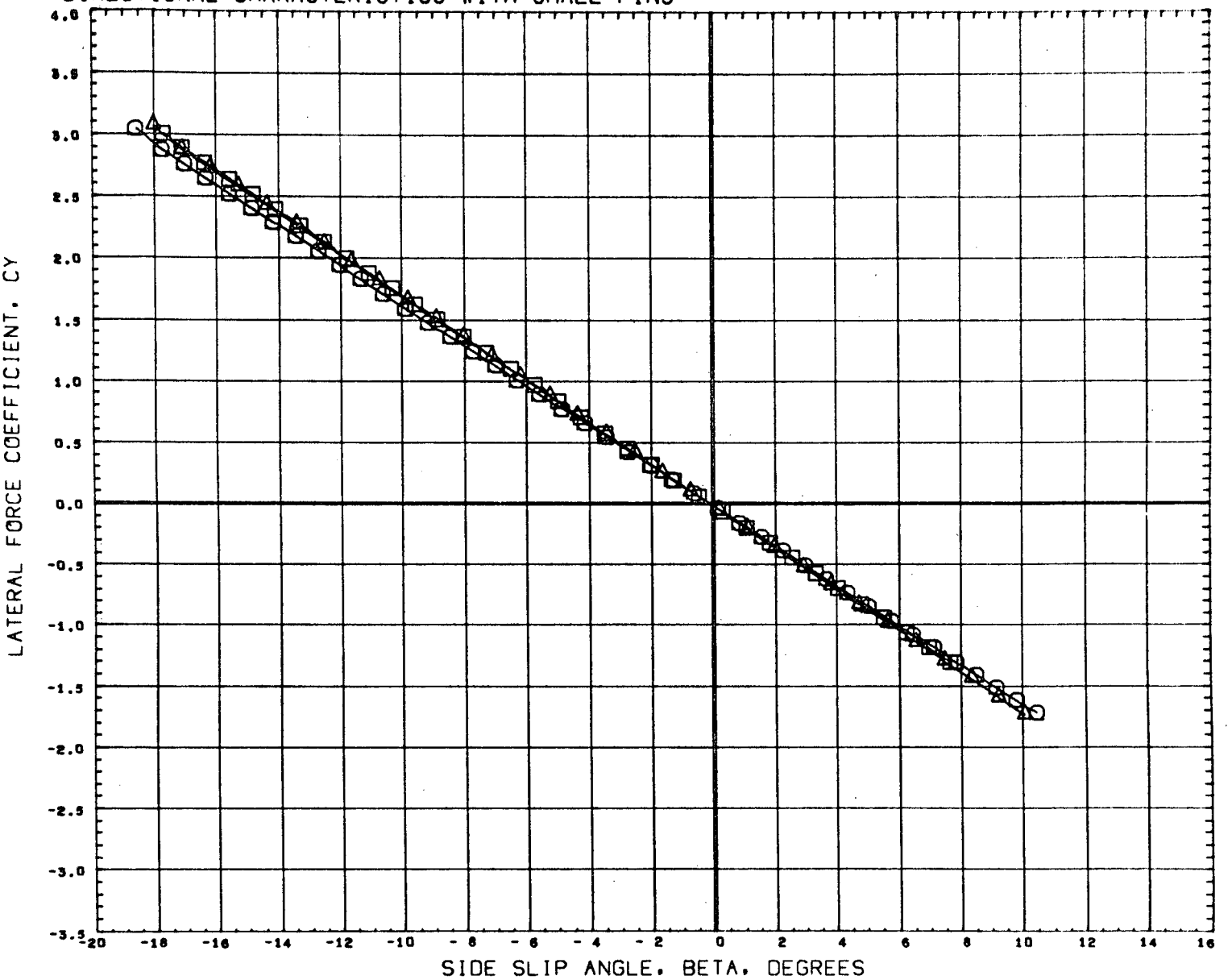
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

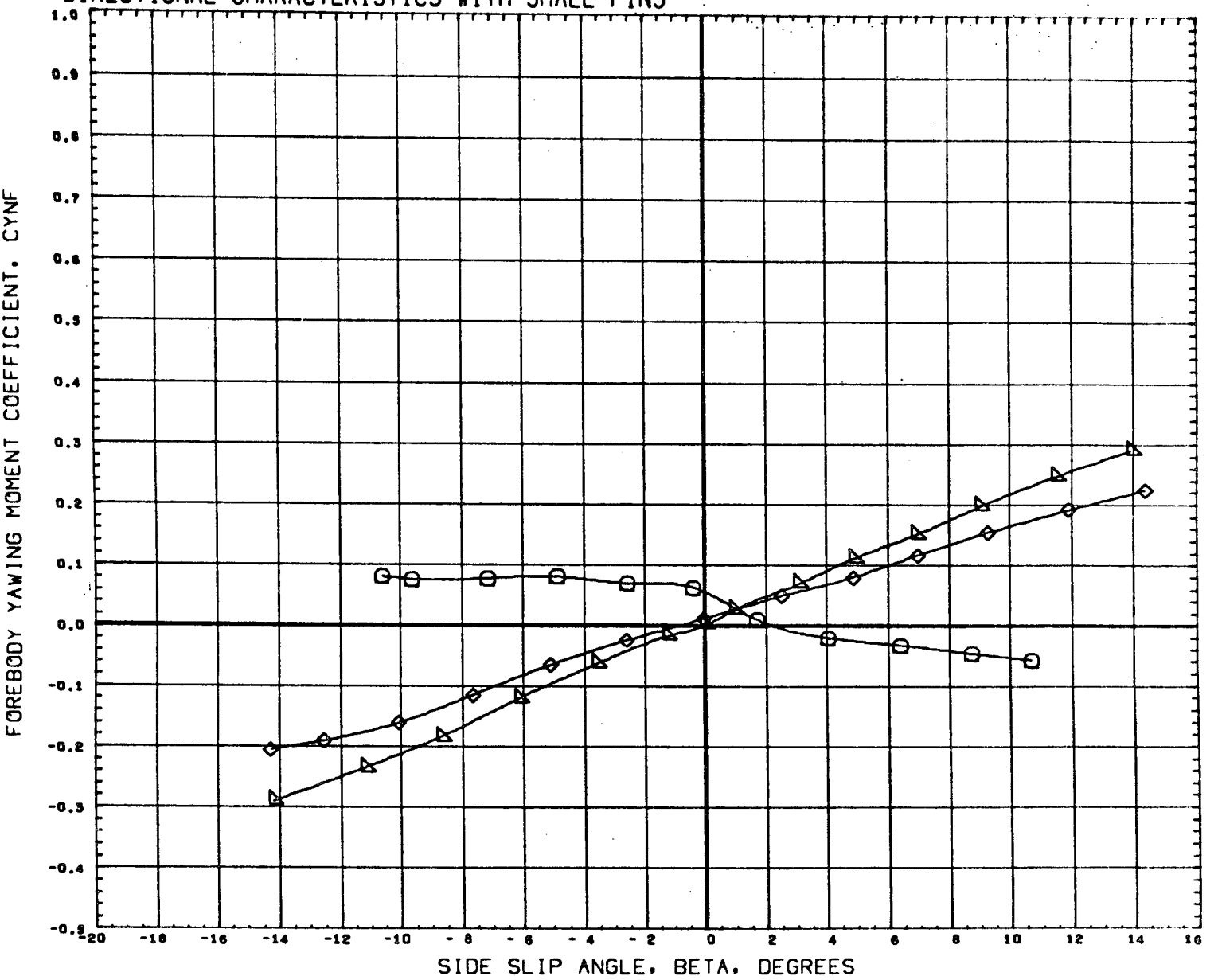


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

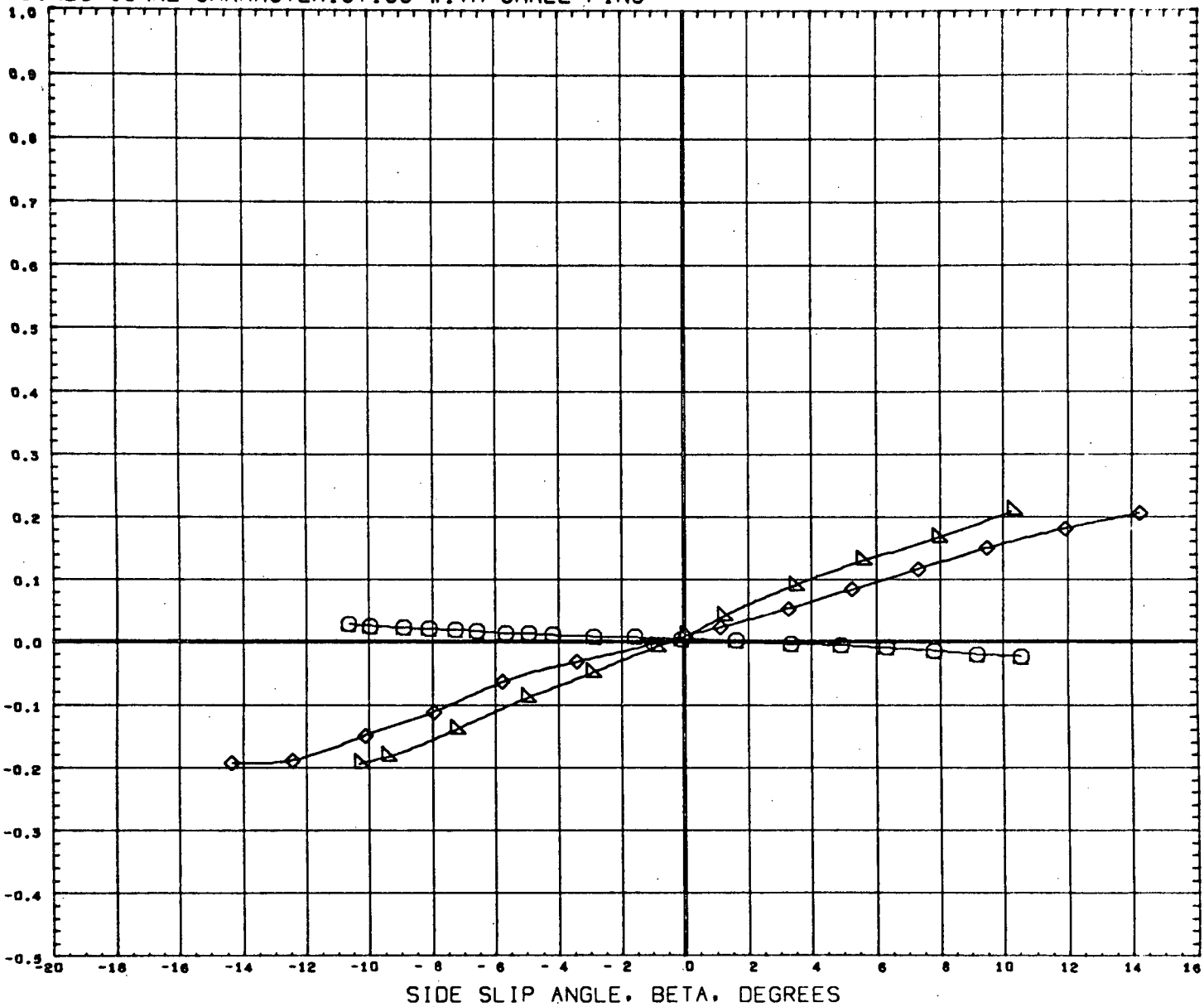


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	⬠	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



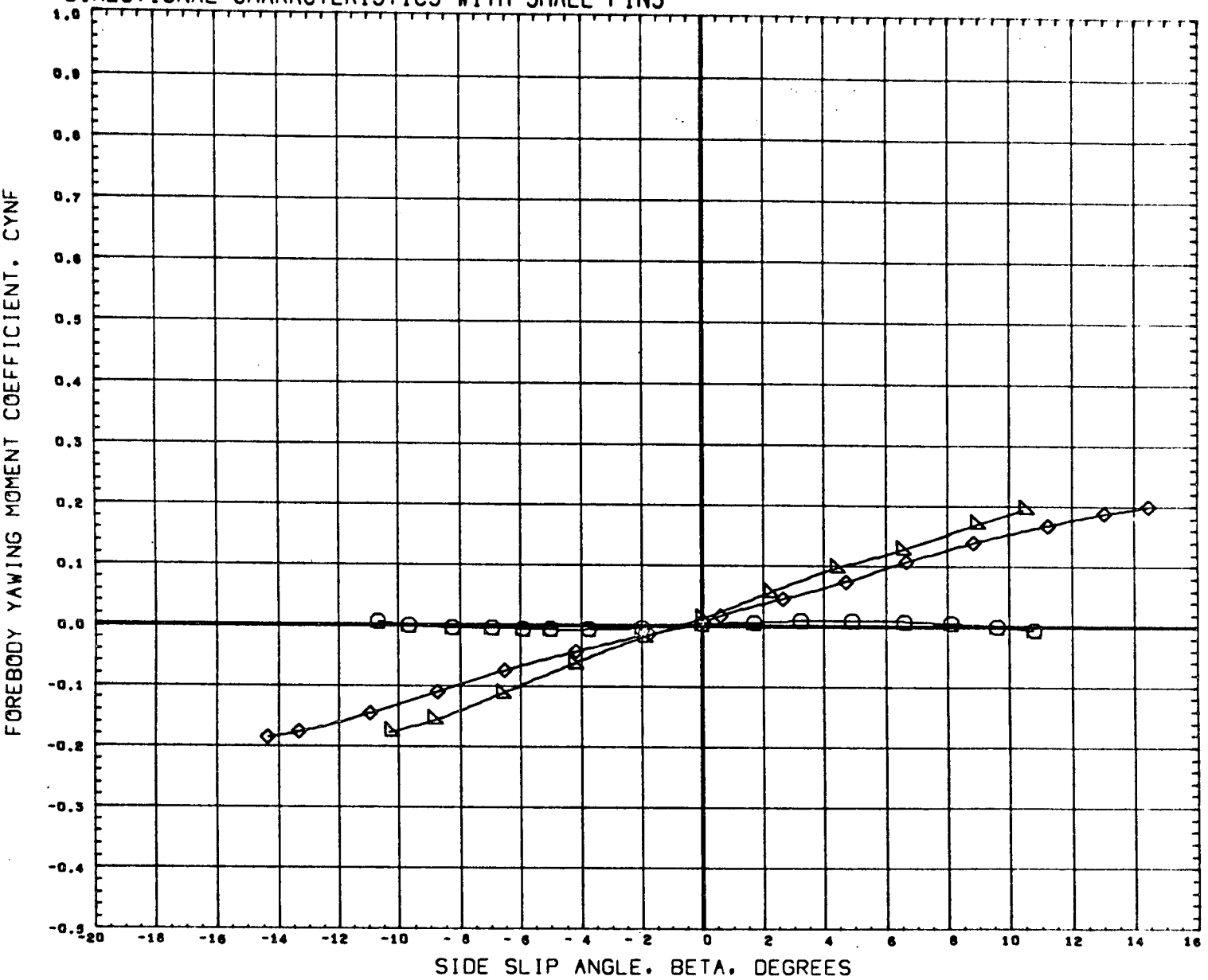
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	☐	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

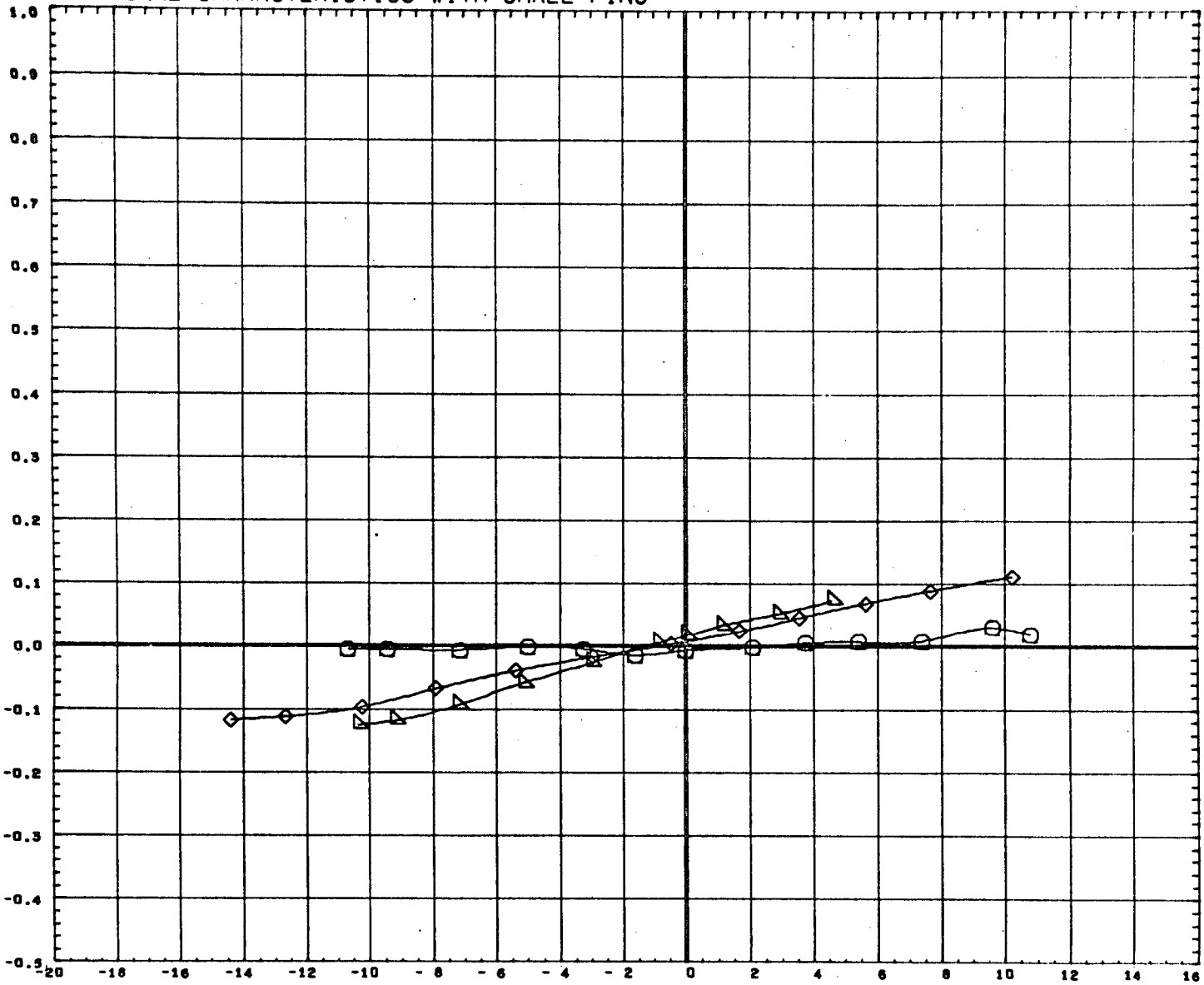


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

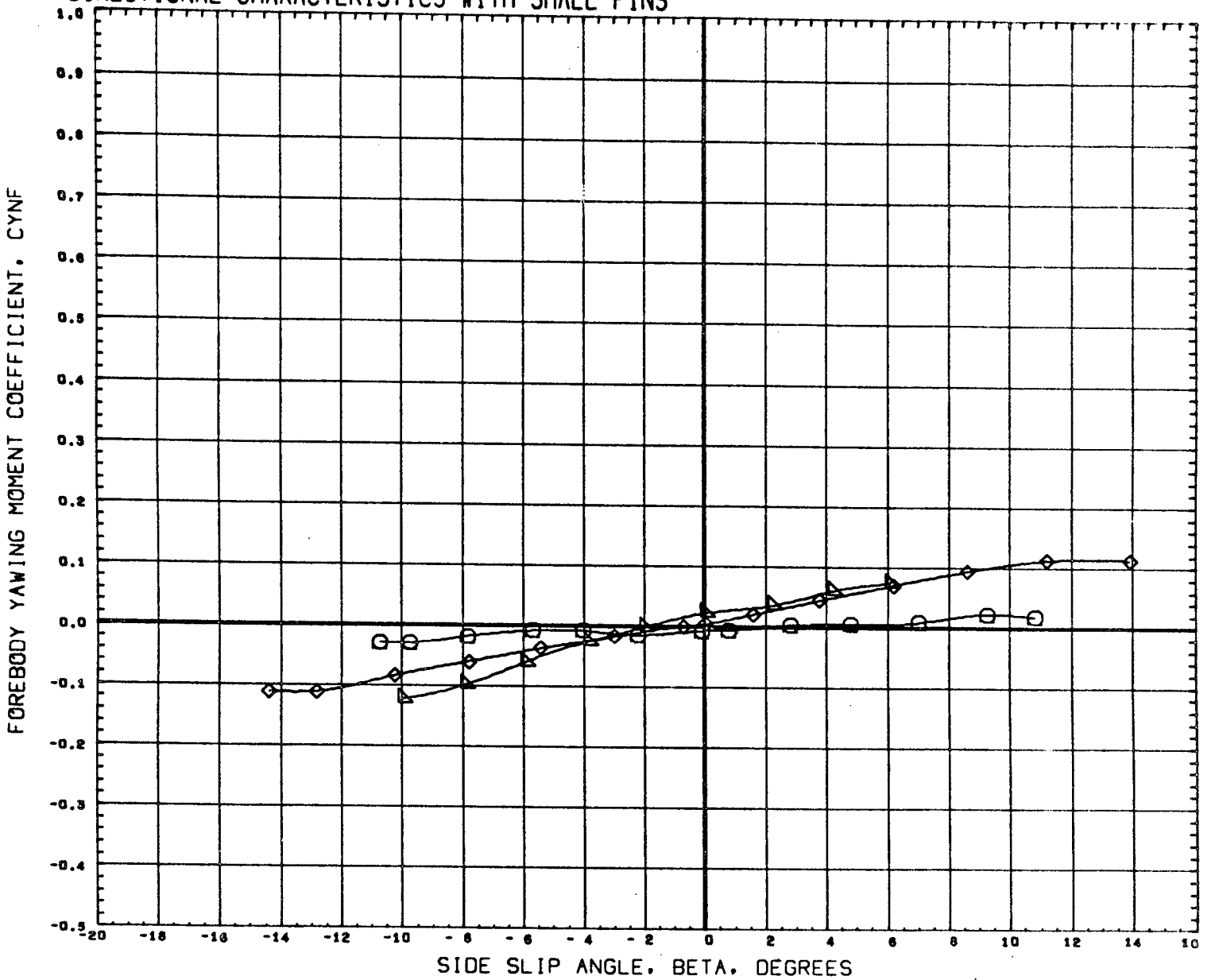


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



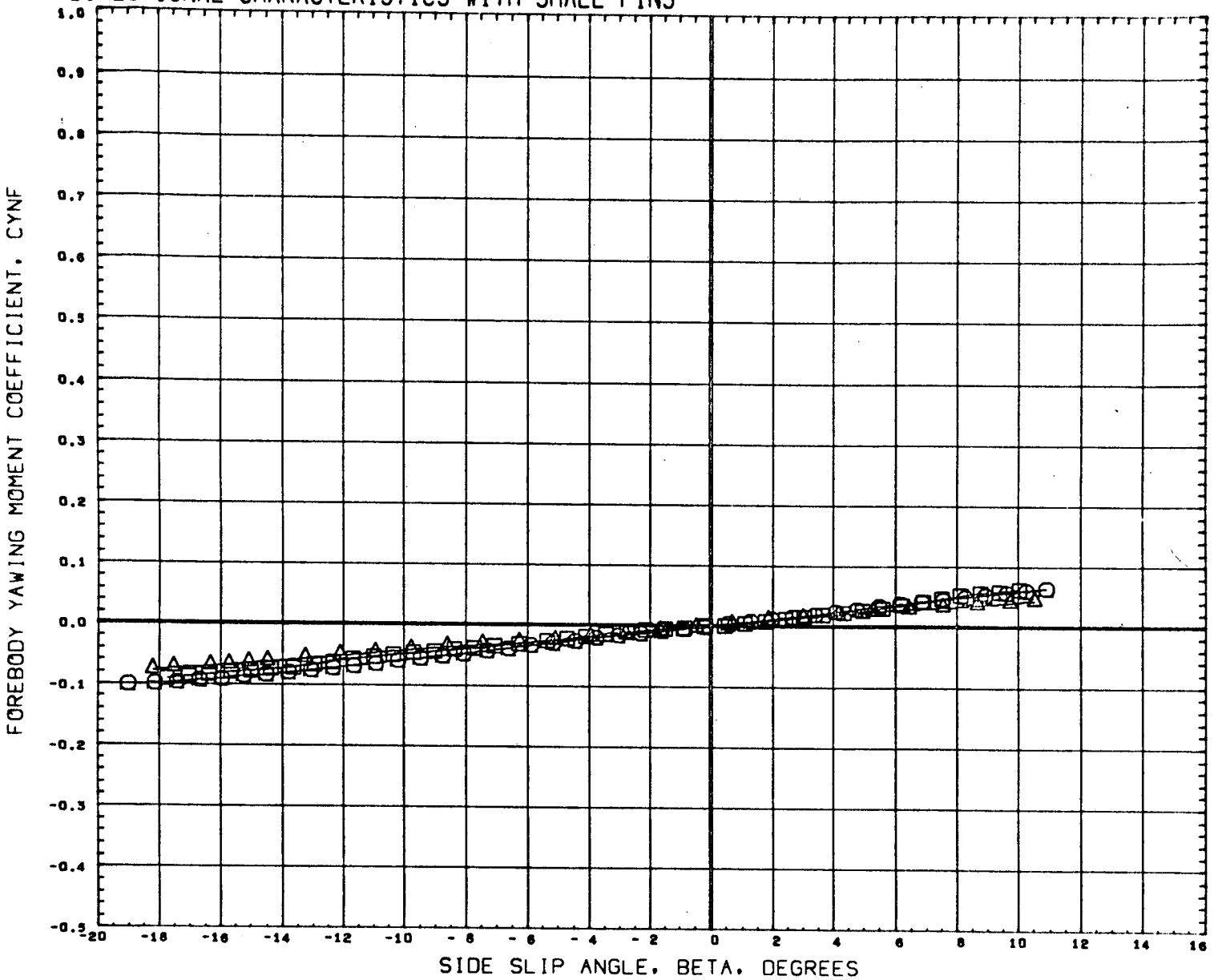
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



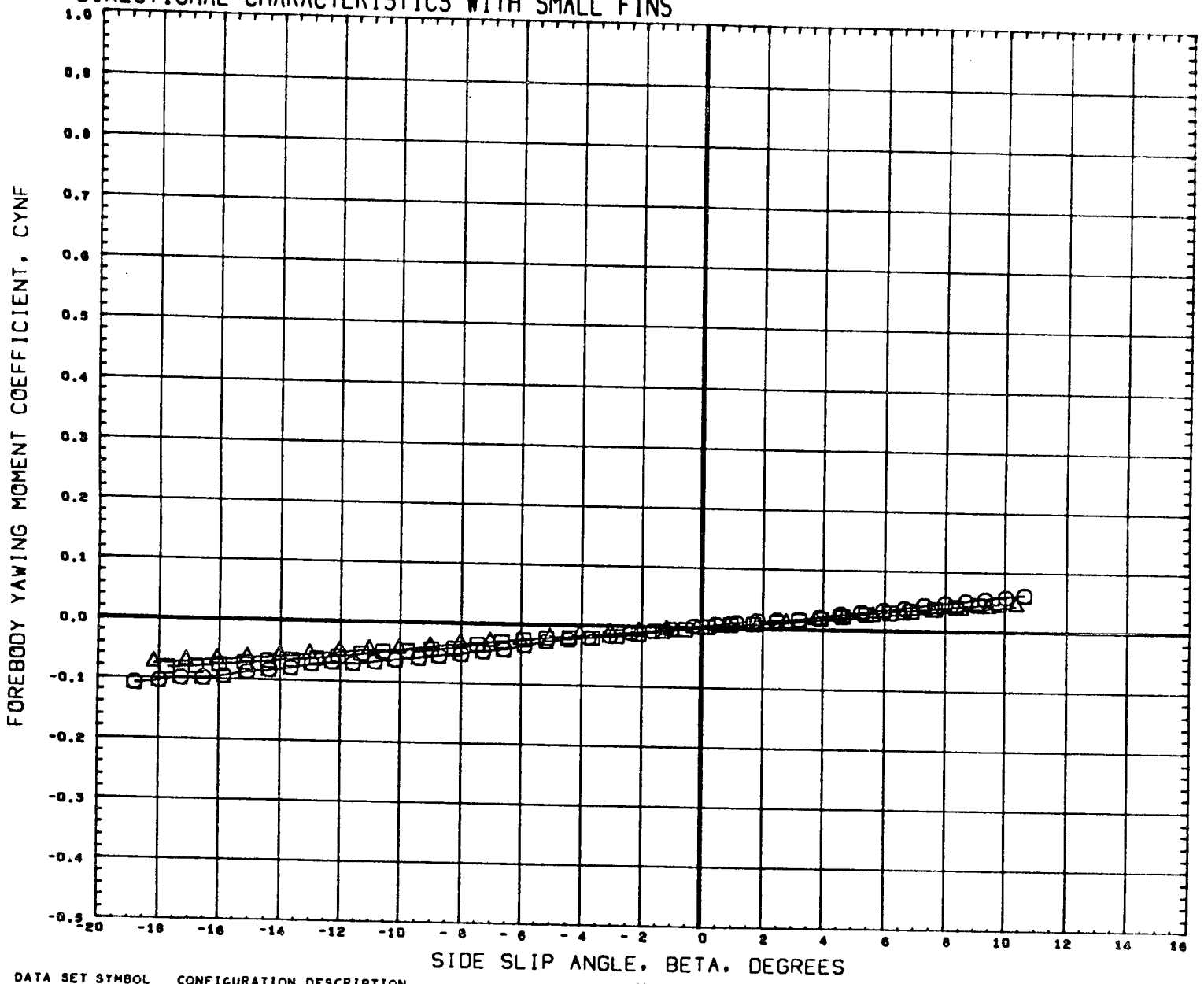
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



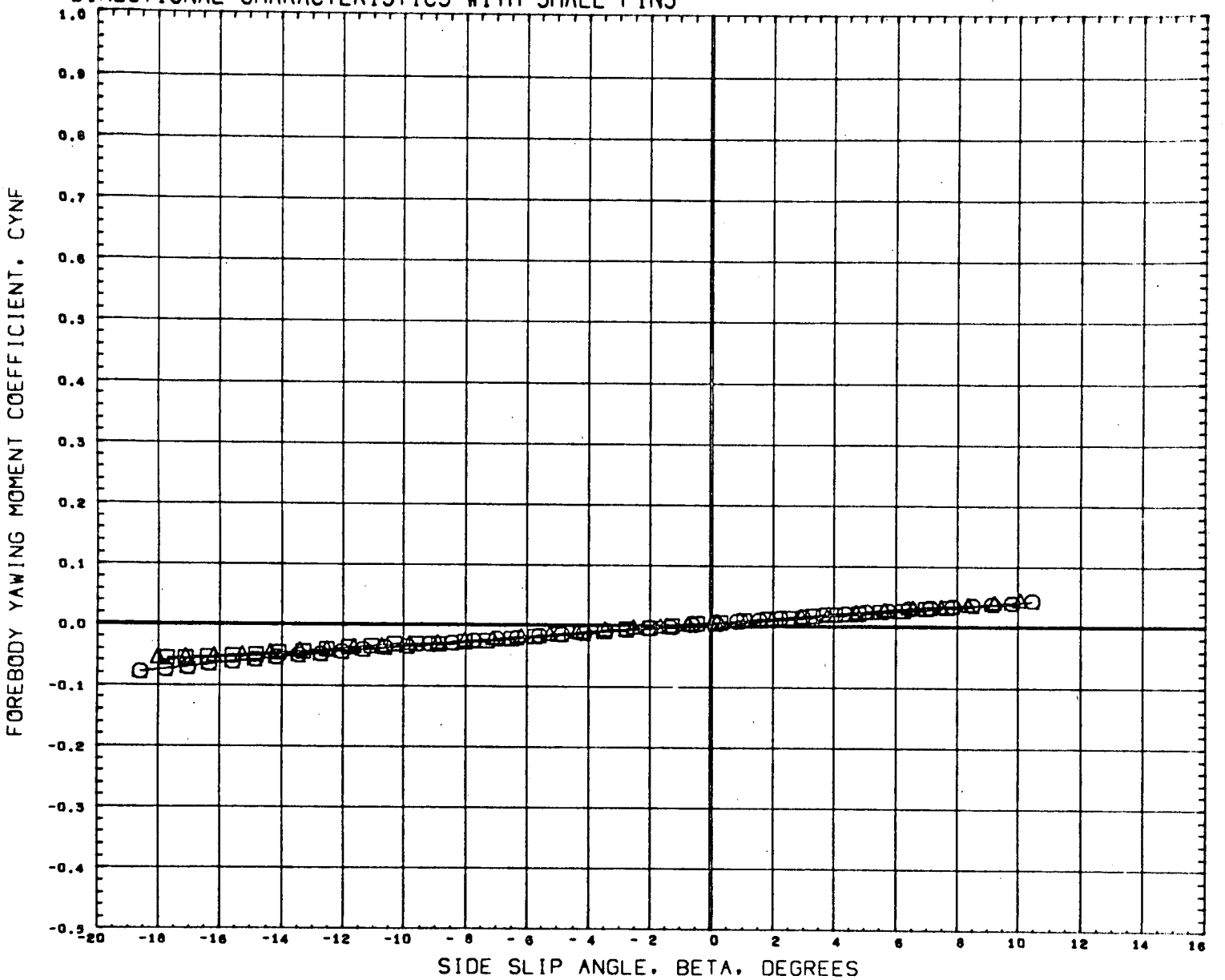
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



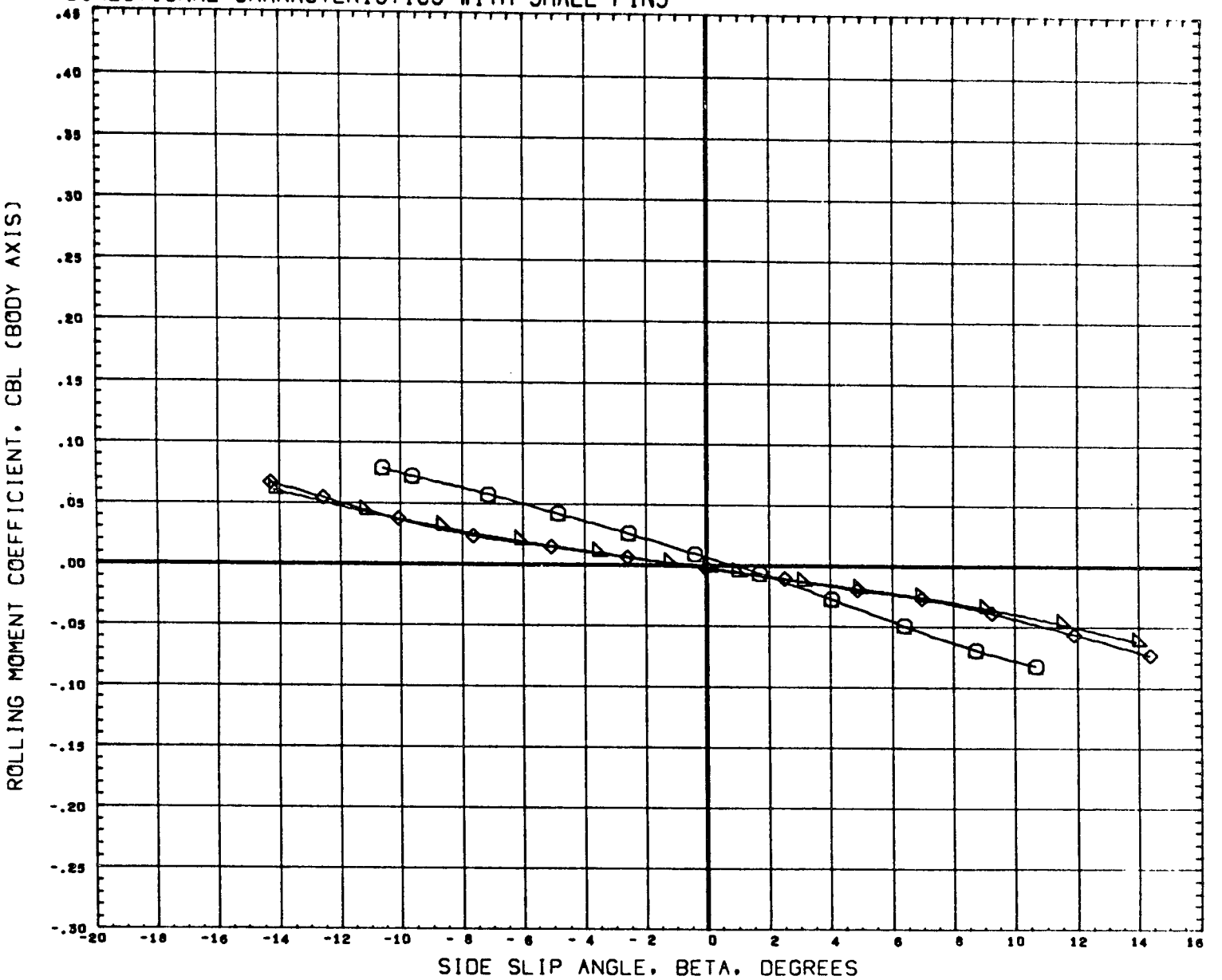
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



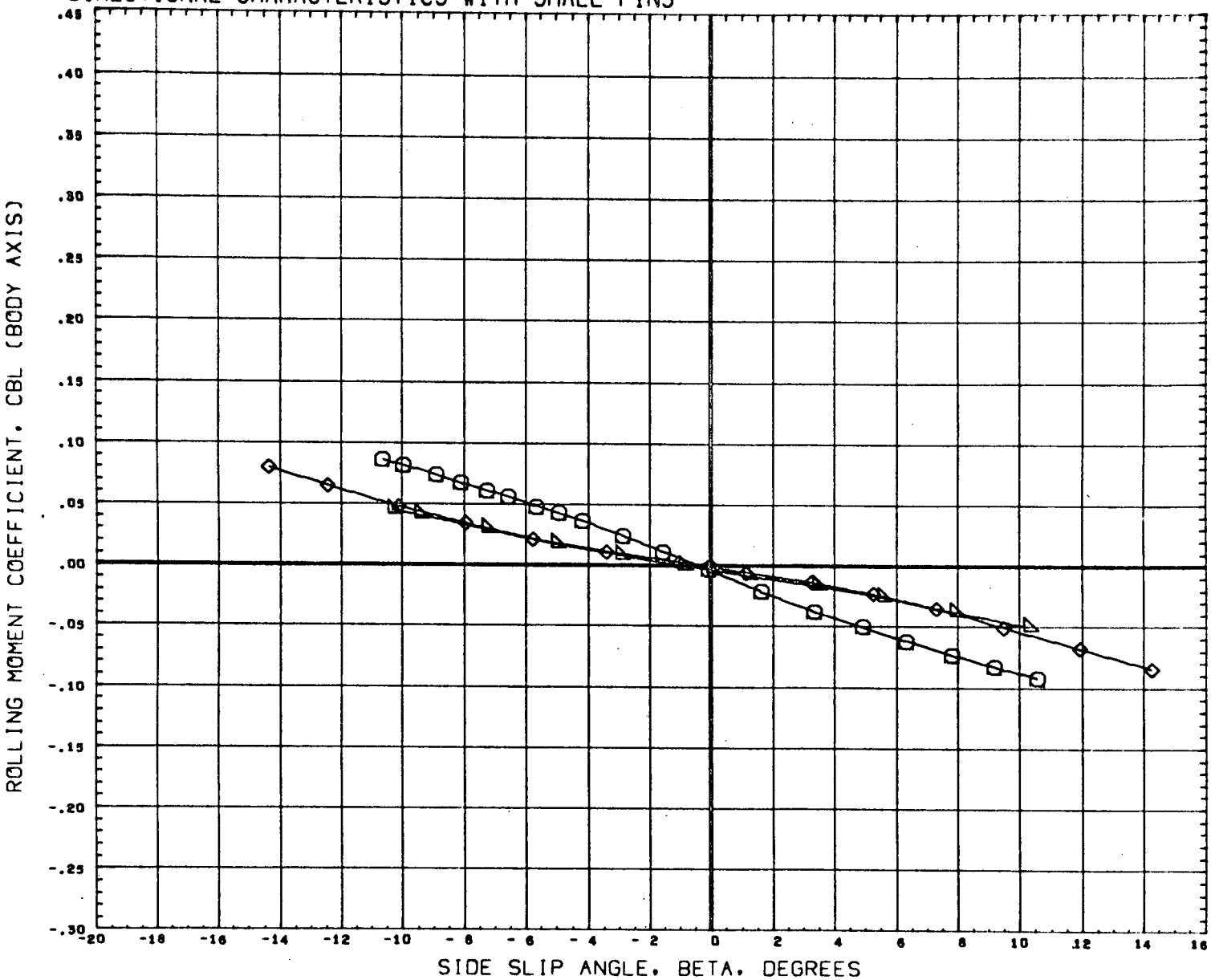
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



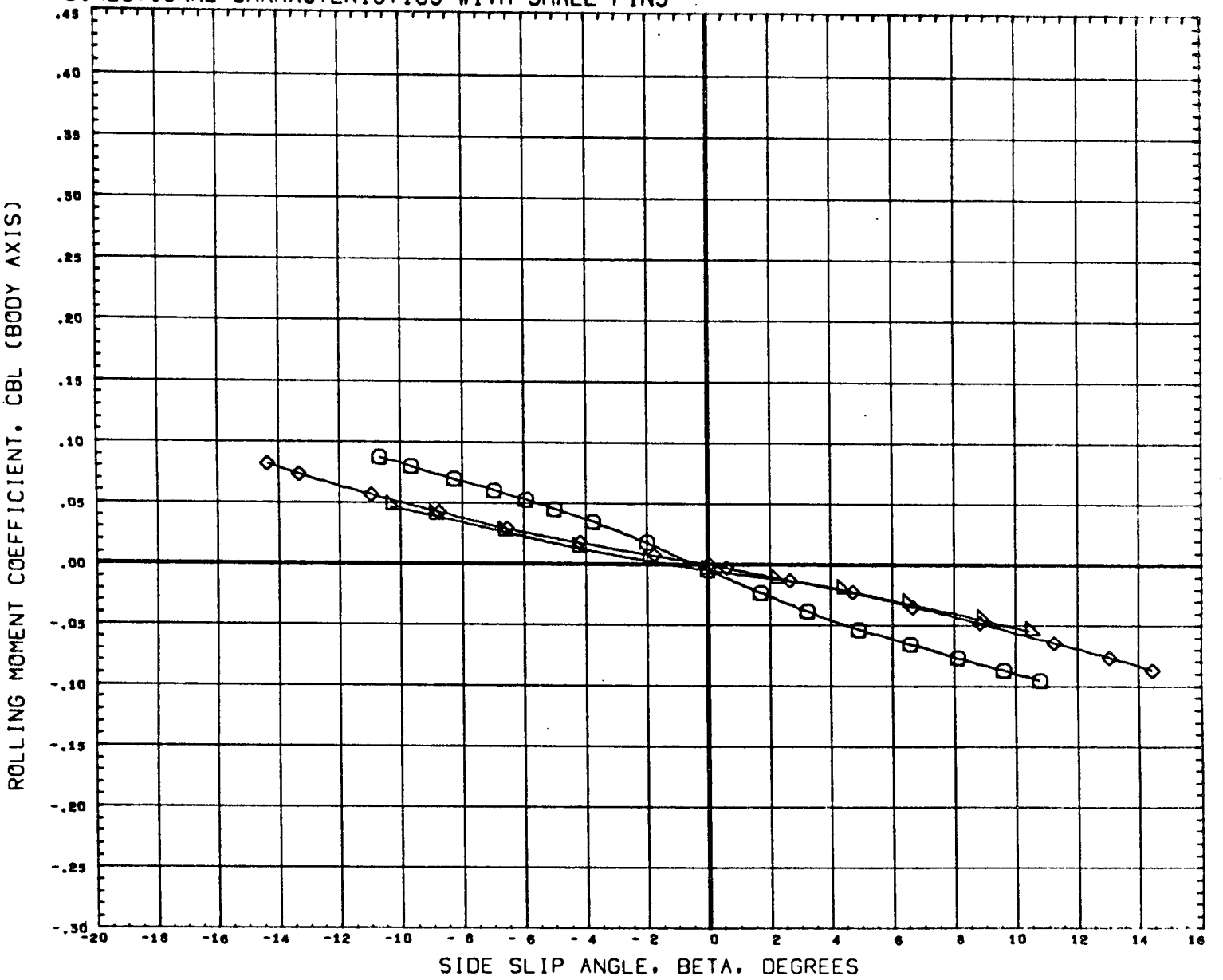
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

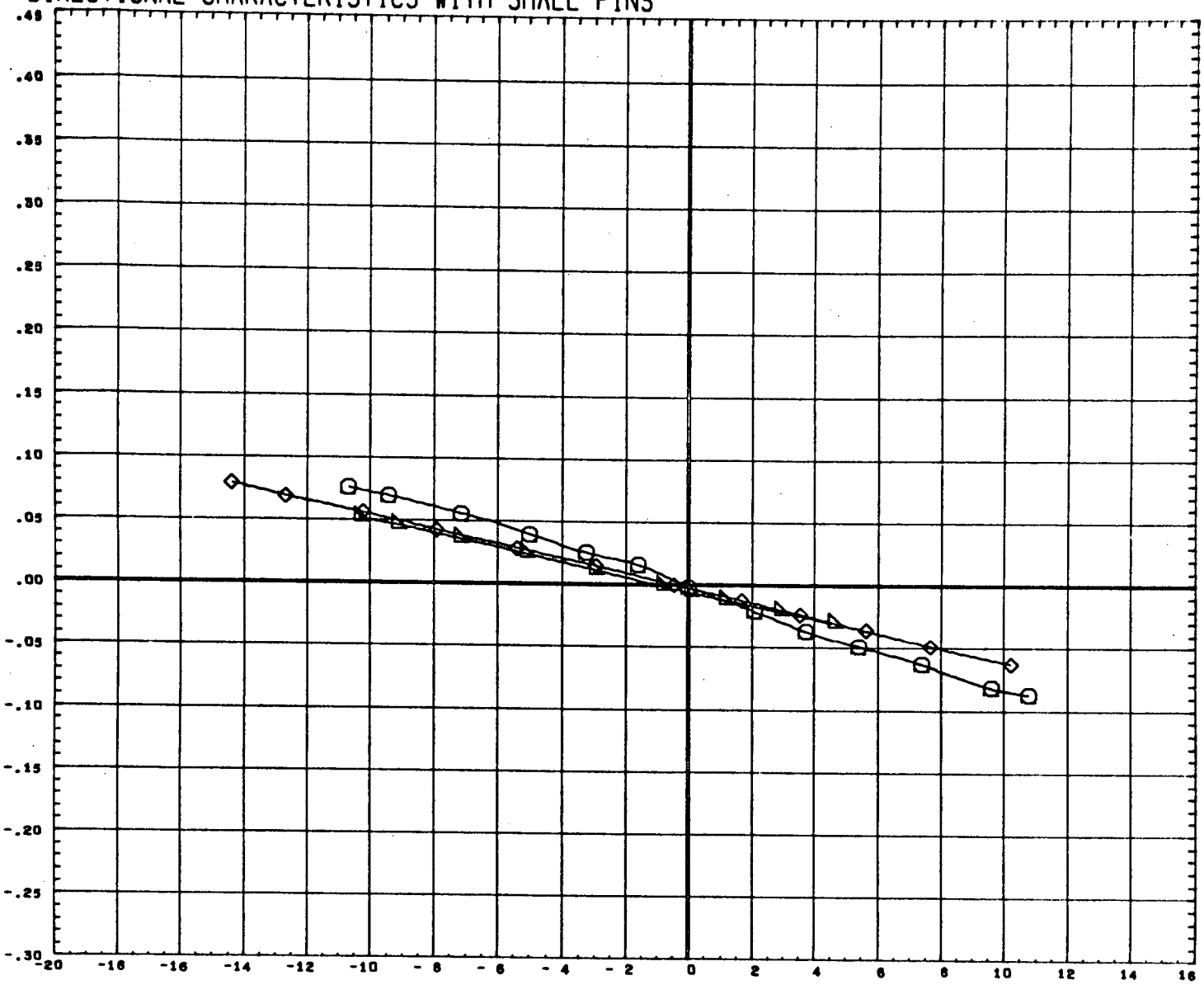


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



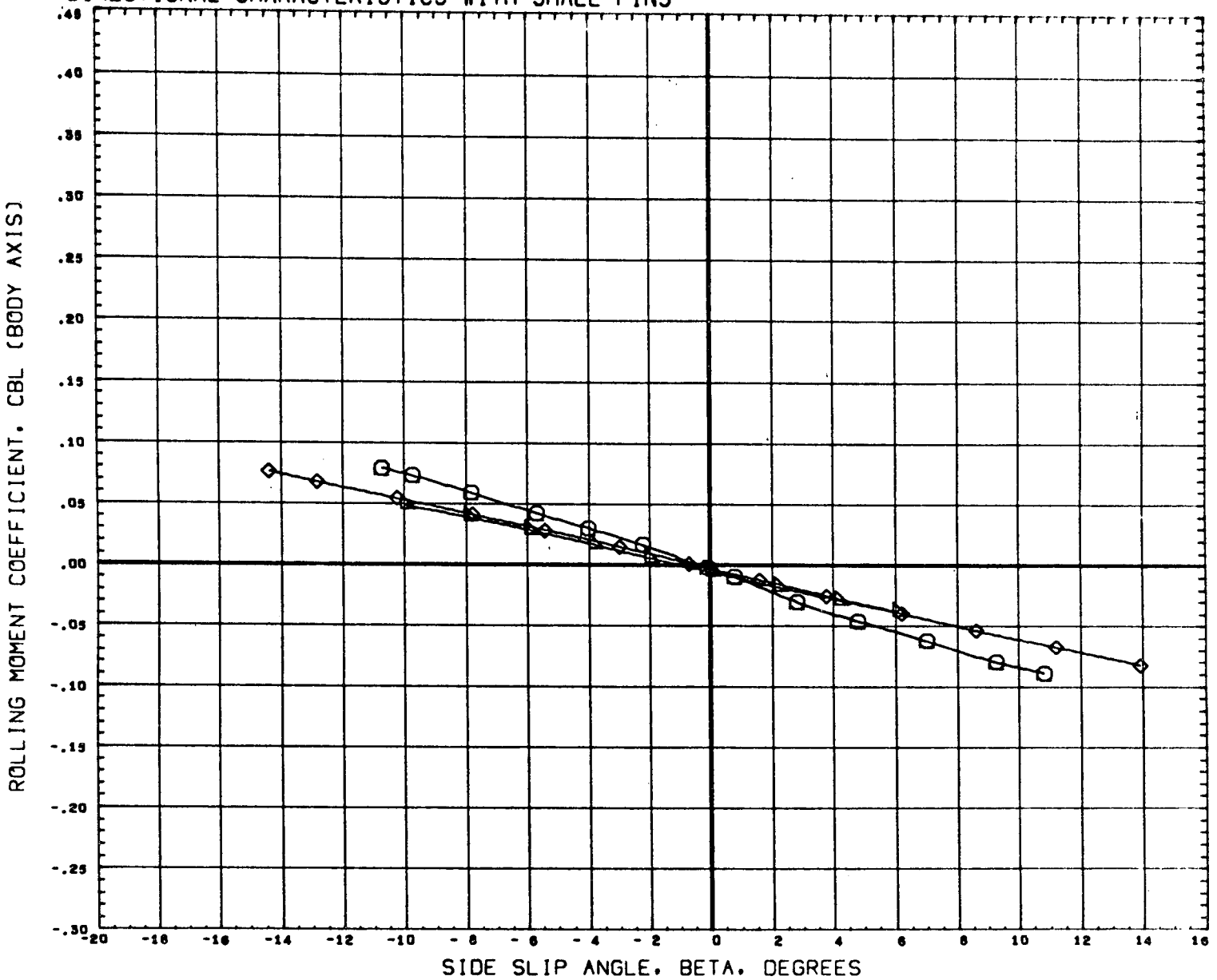
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	⊠	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	⊡	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	◺	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

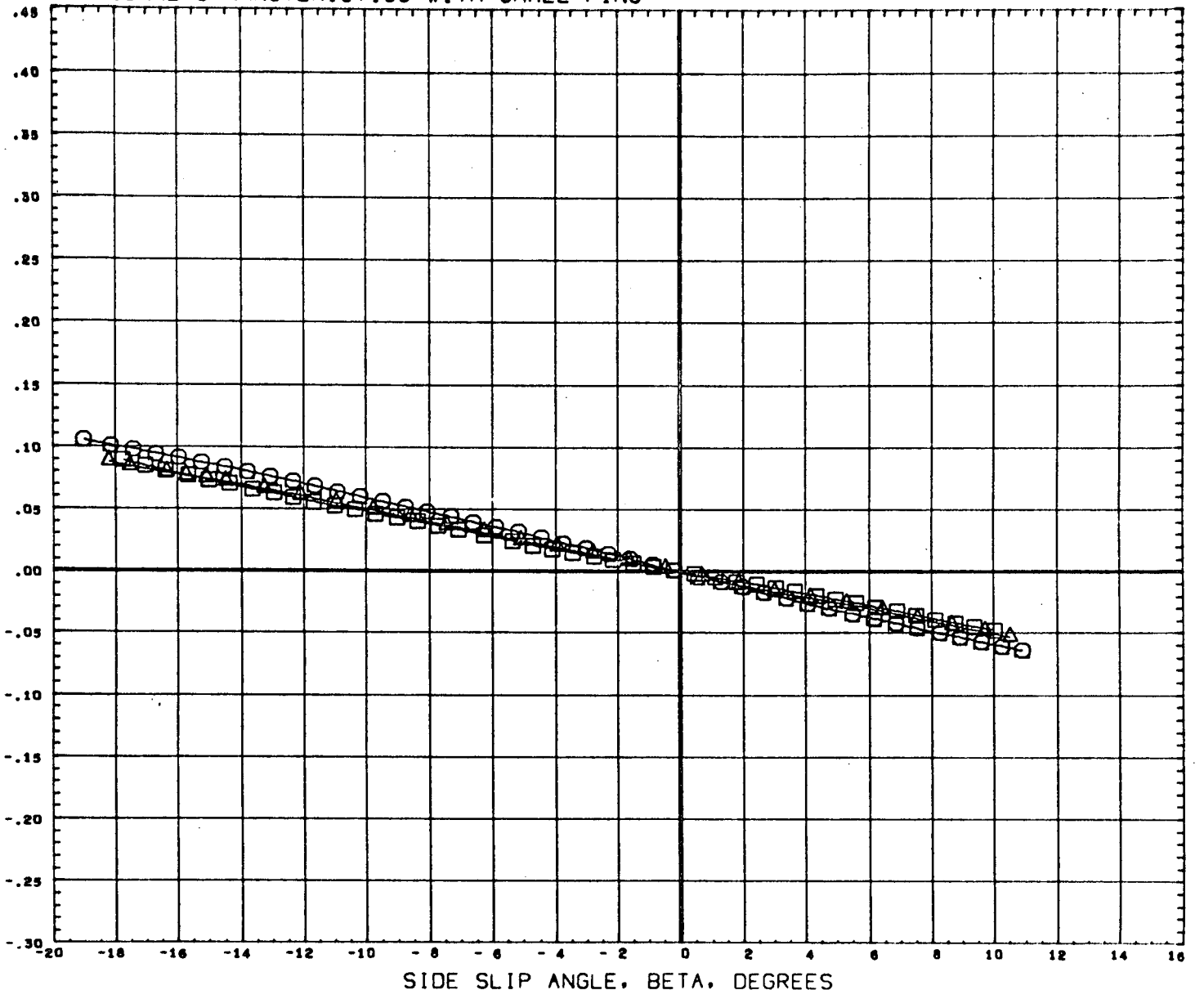


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



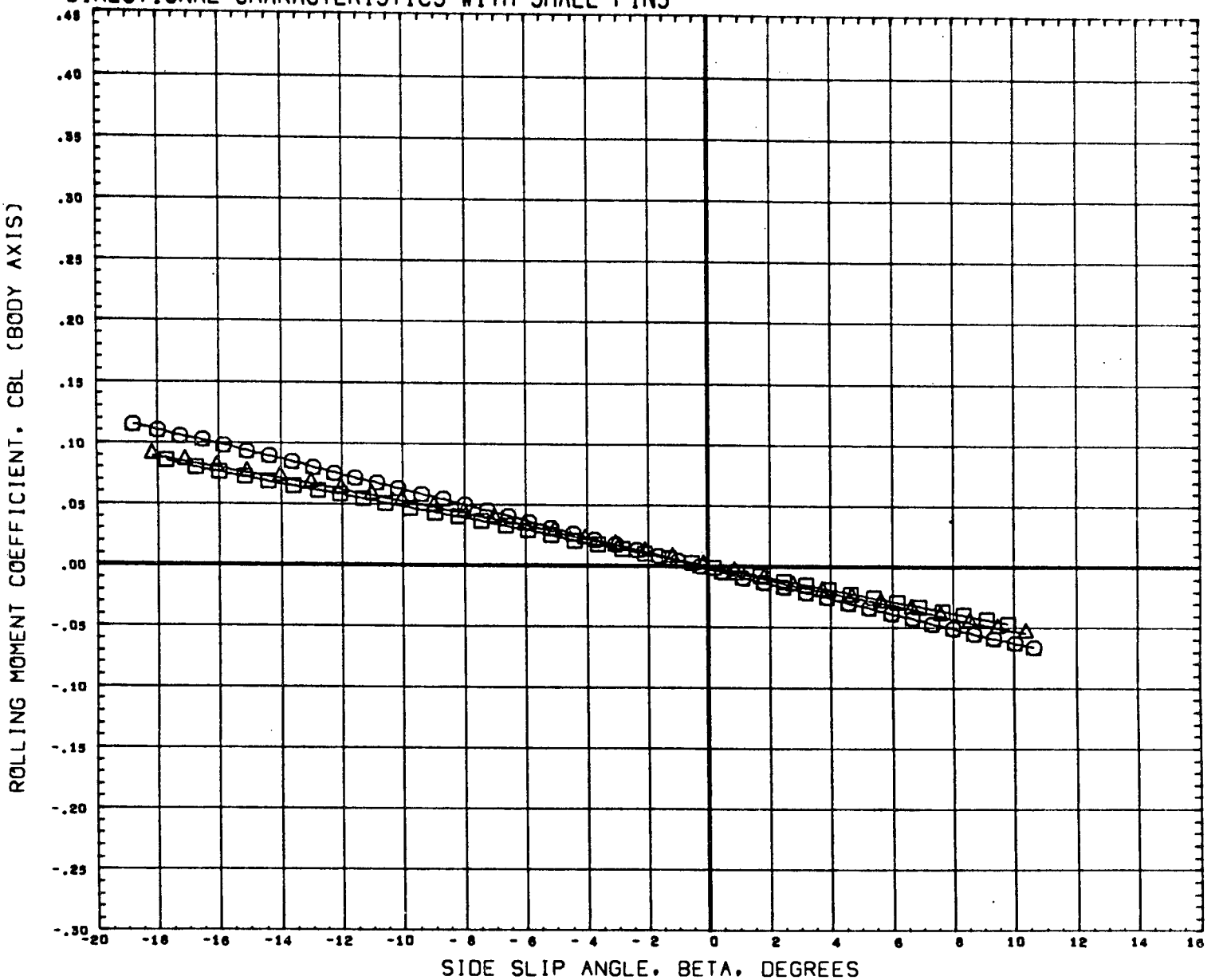
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

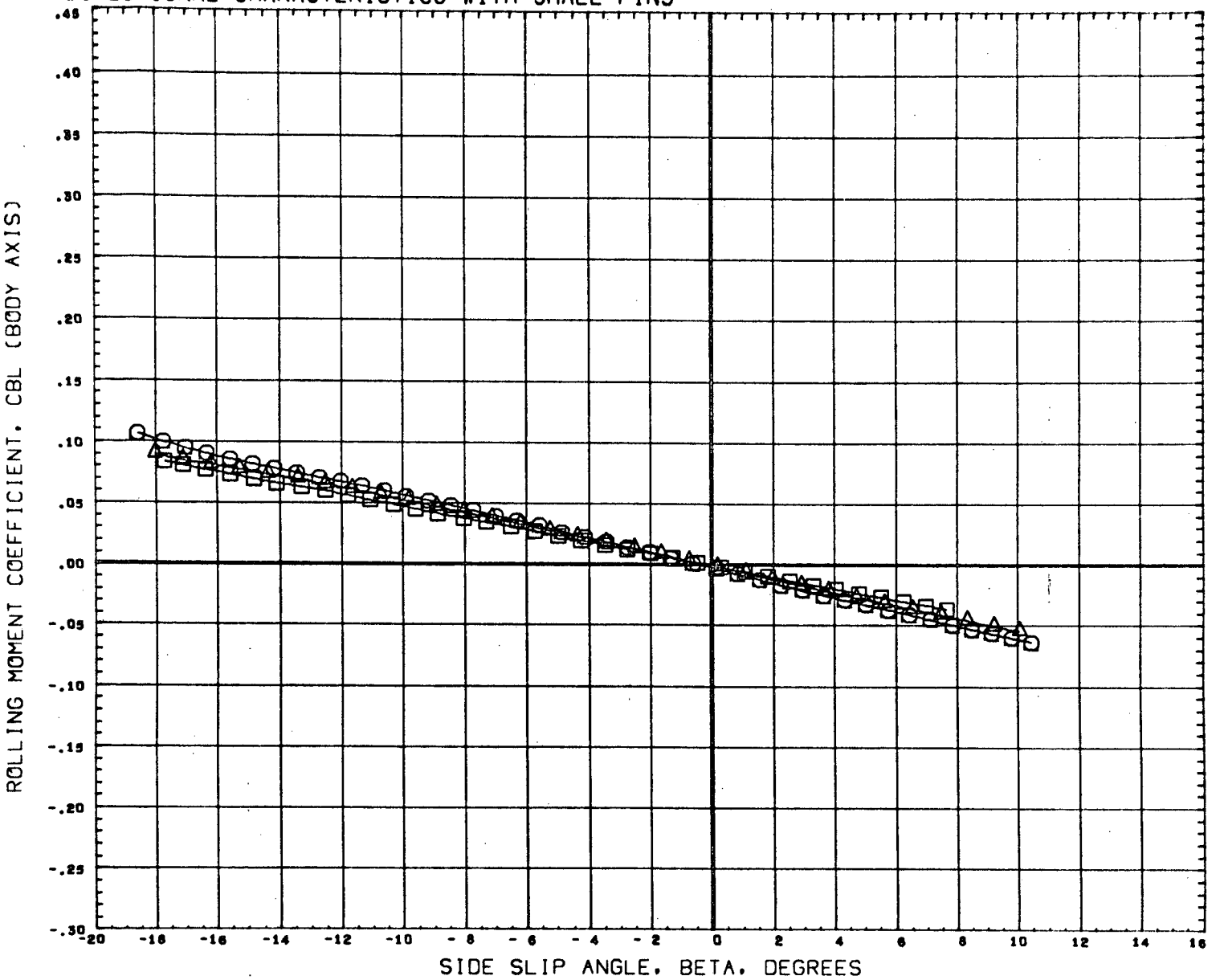


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

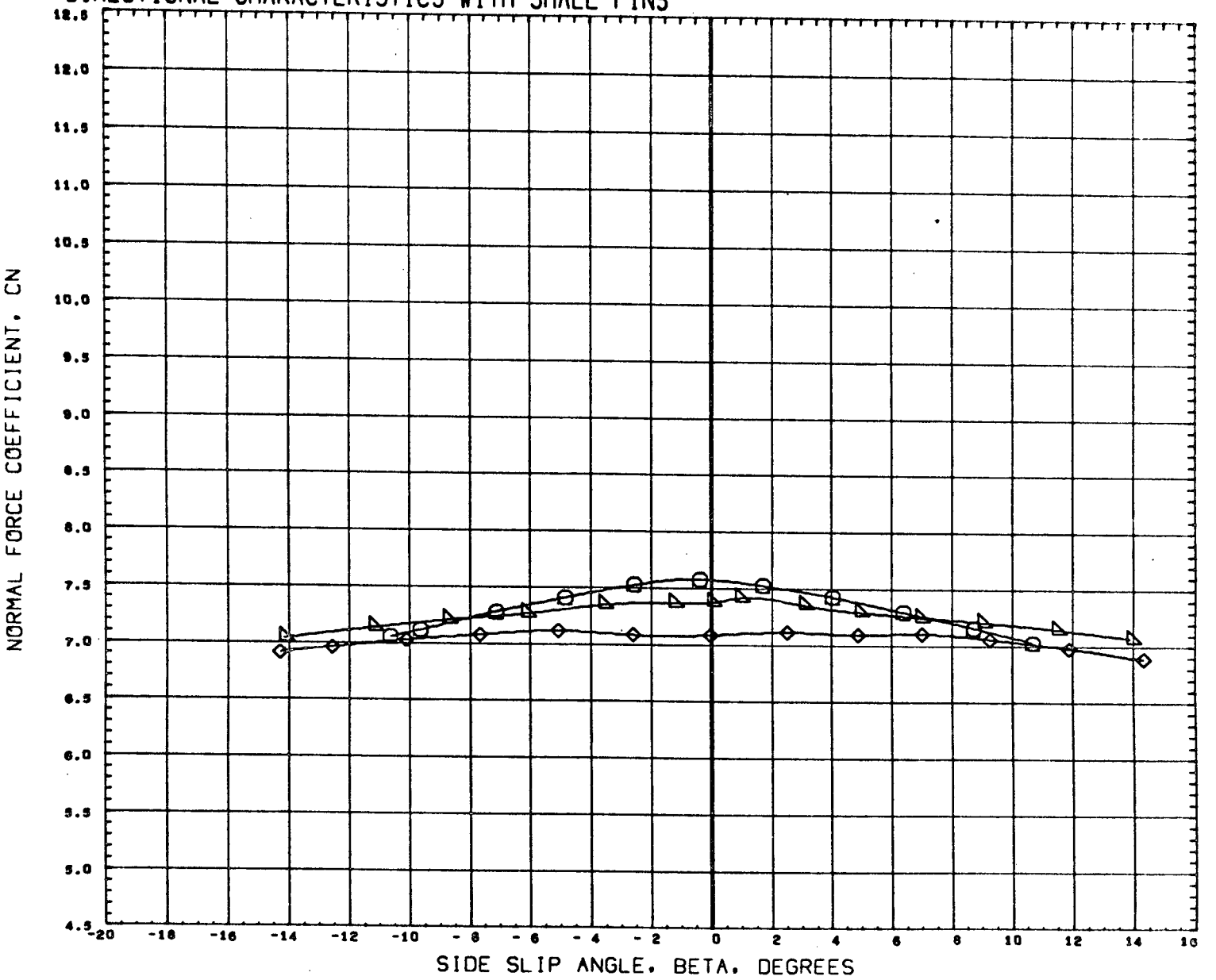


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	⬠	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



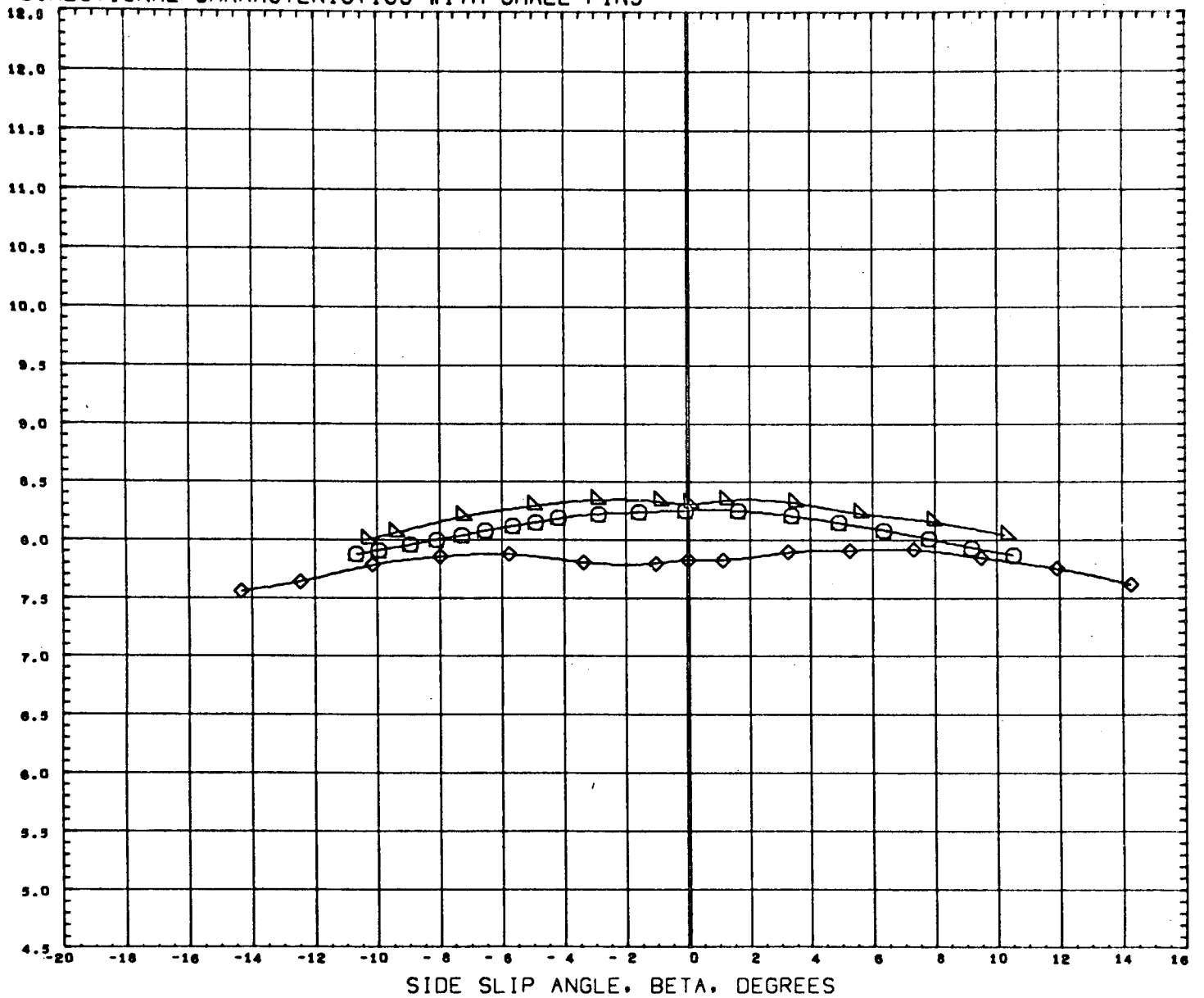
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	▷	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

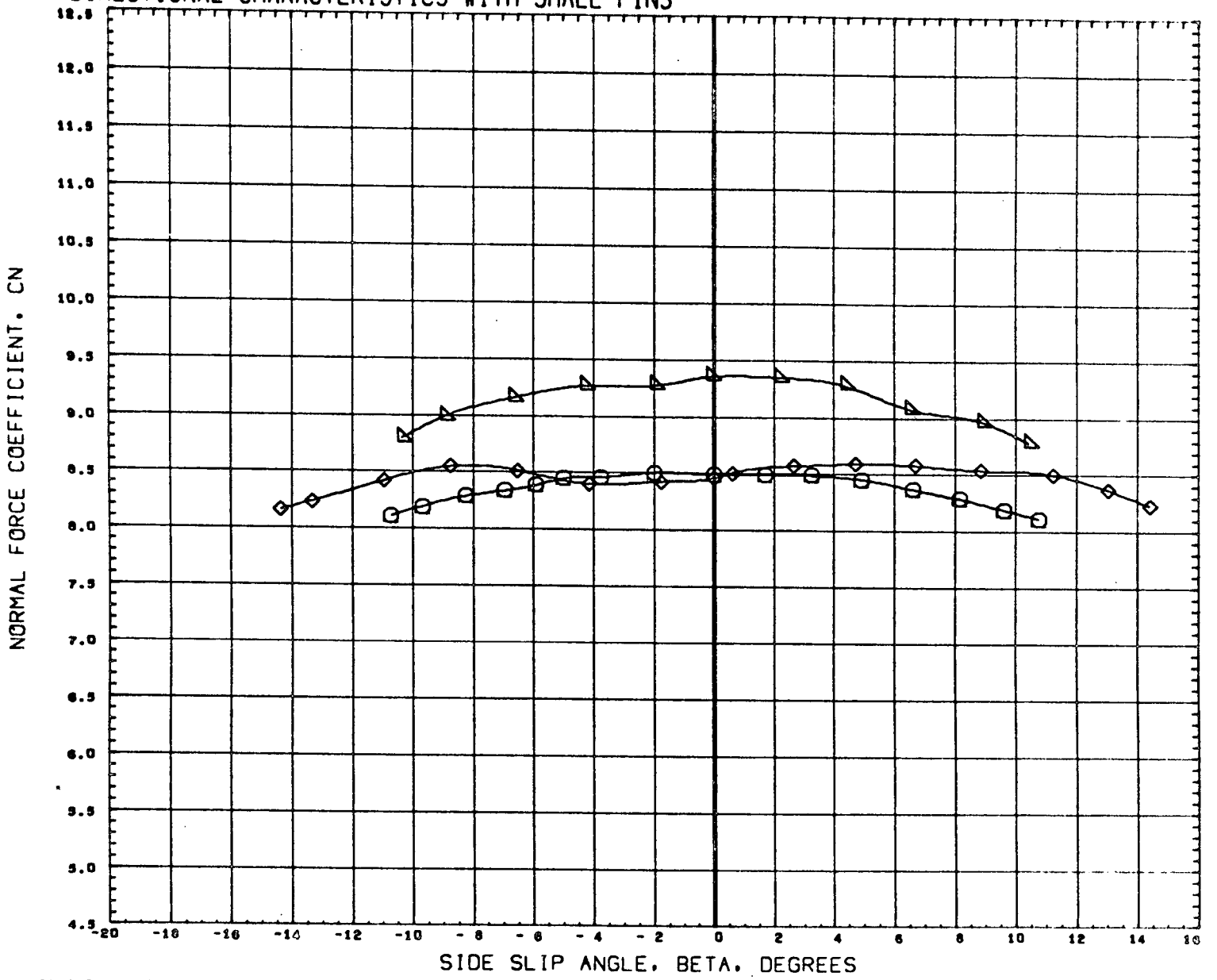


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)	⌐	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

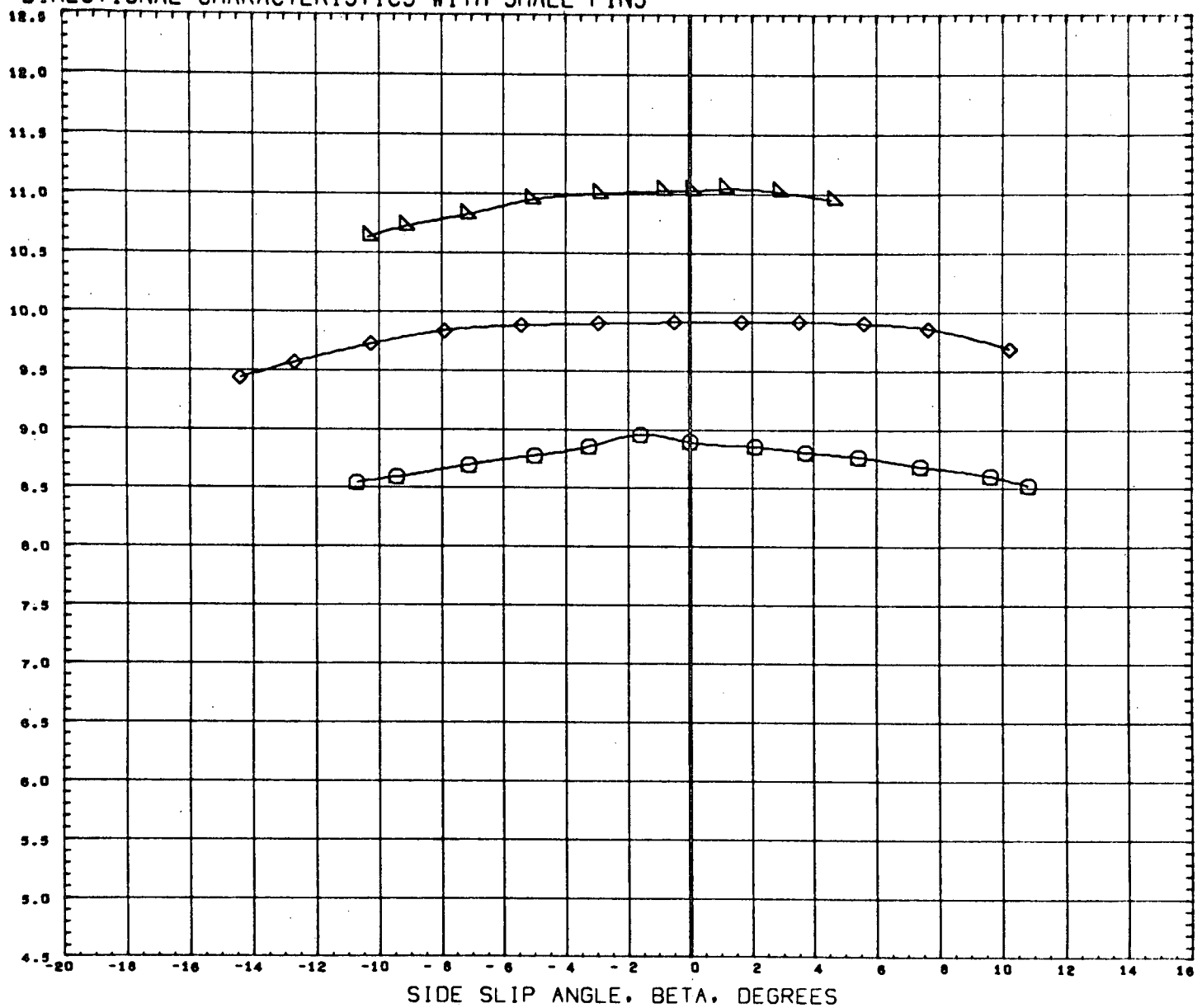


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



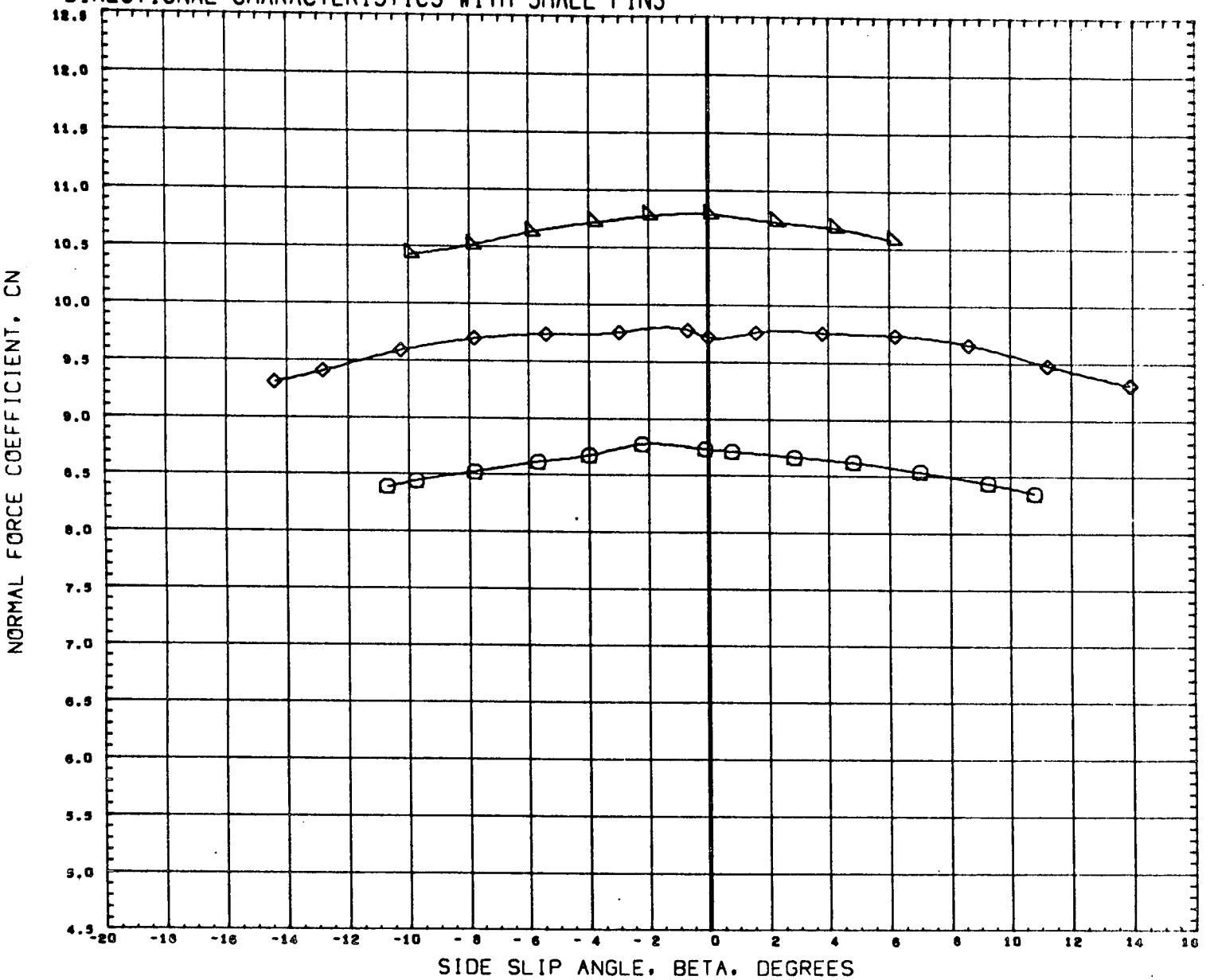
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

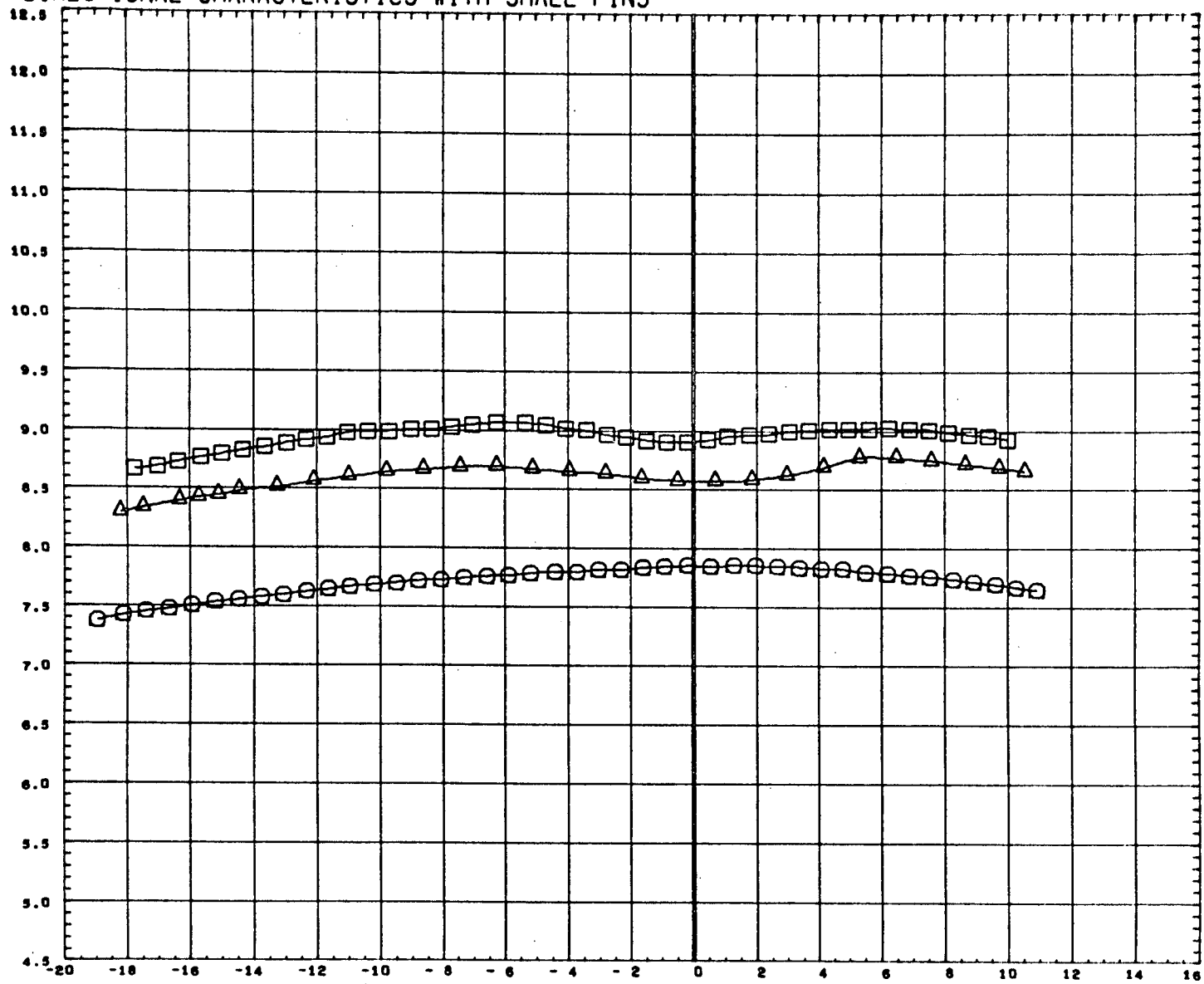


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4044)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)		DATA NOT AVAILABLE FOR ALL CONDITIONS		77.500
(AD4046)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

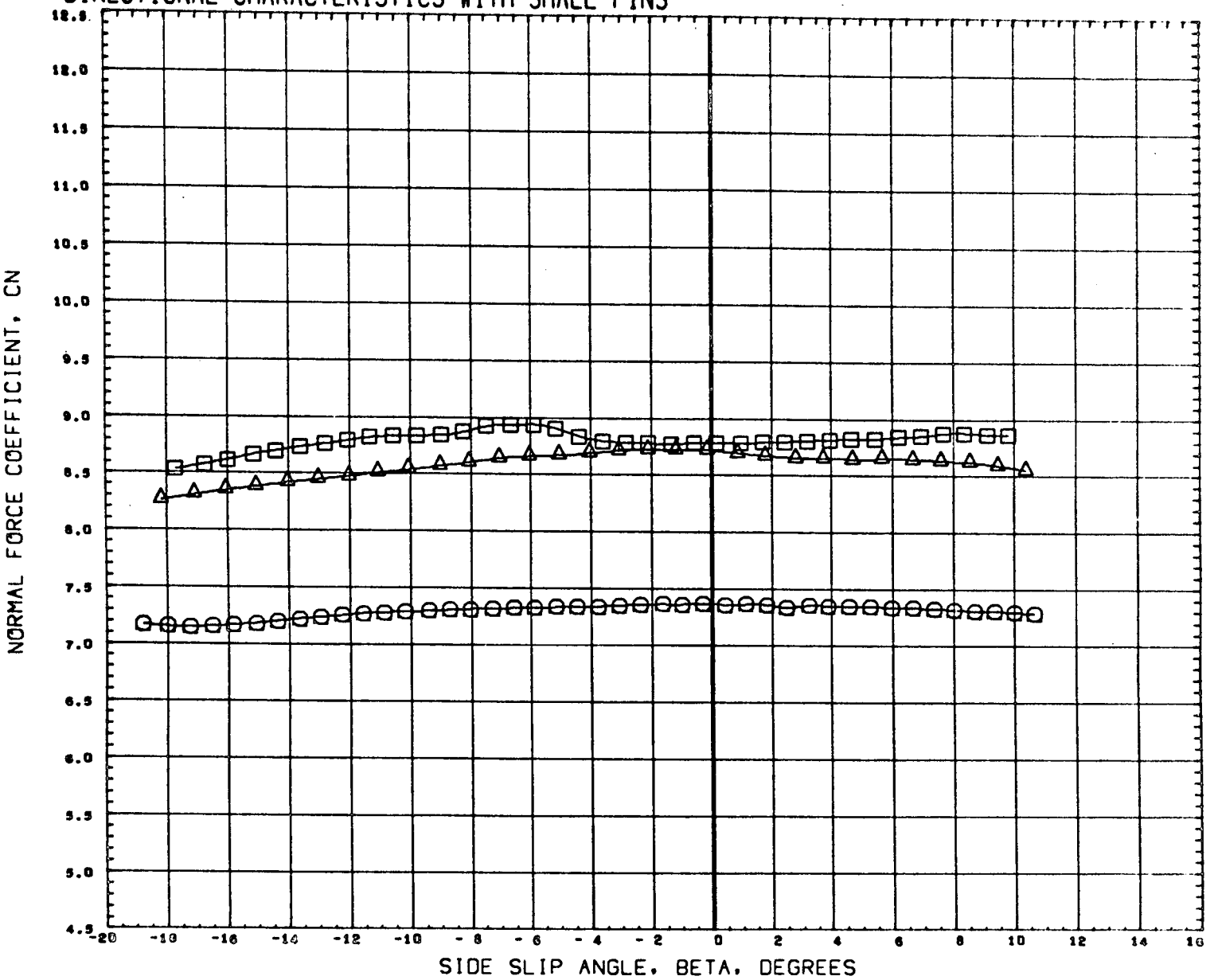


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS

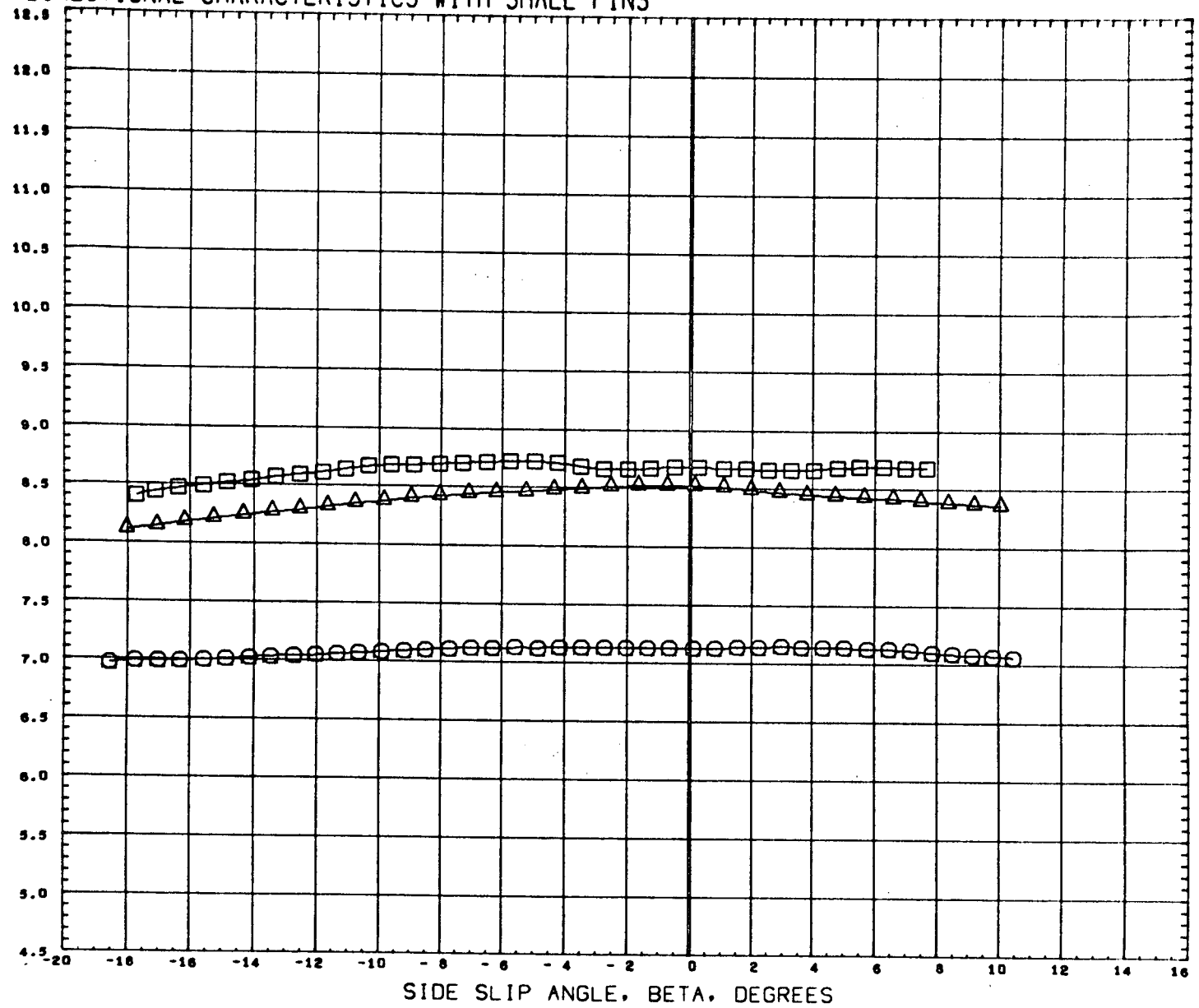


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4049)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

DIRECTIONAL CHARACTERISTICS WITH SMALL FINS



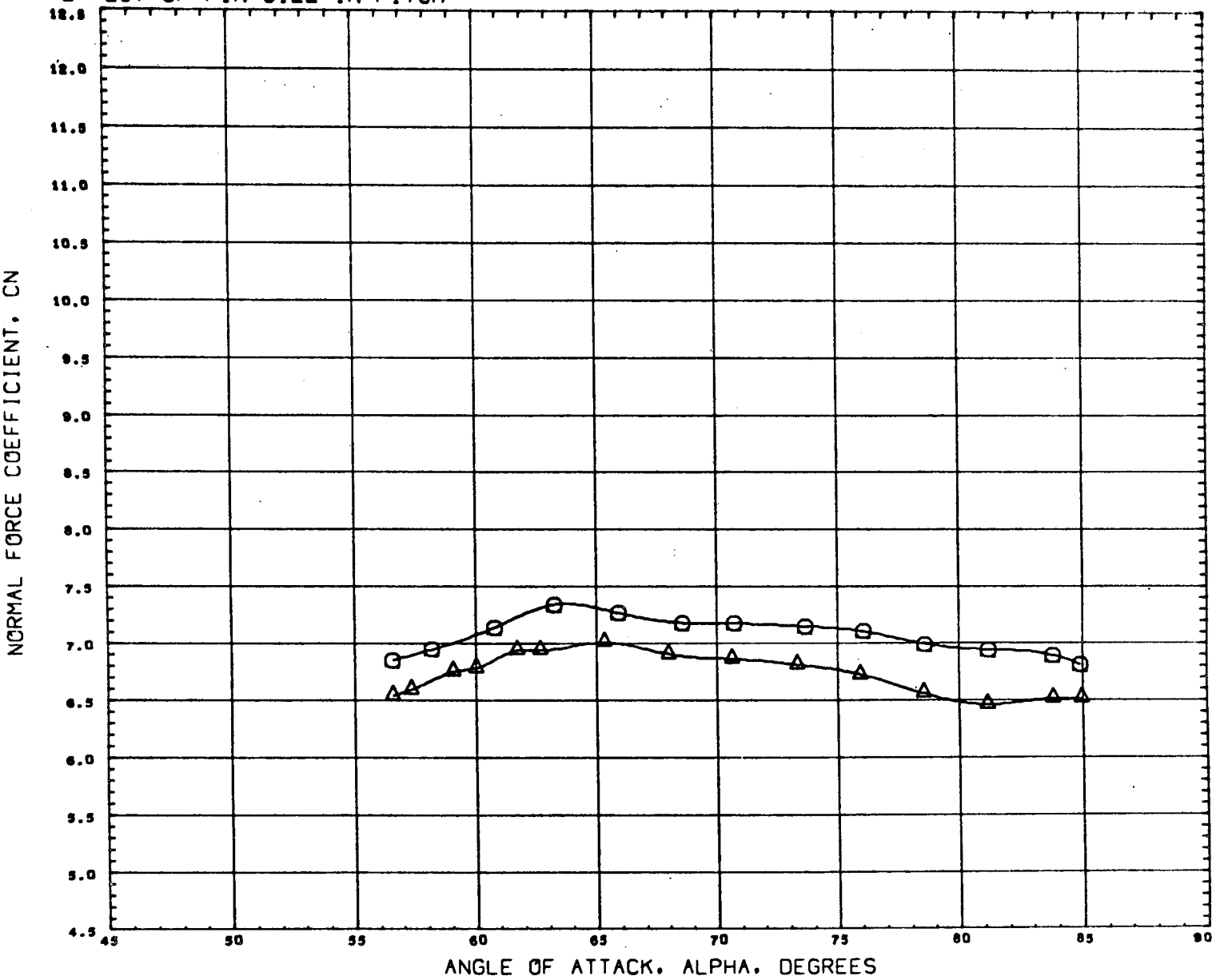
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)		DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4045)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)		DATA NOT AVAILABLE FOR ALL CONDITIONS		85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN PITCH

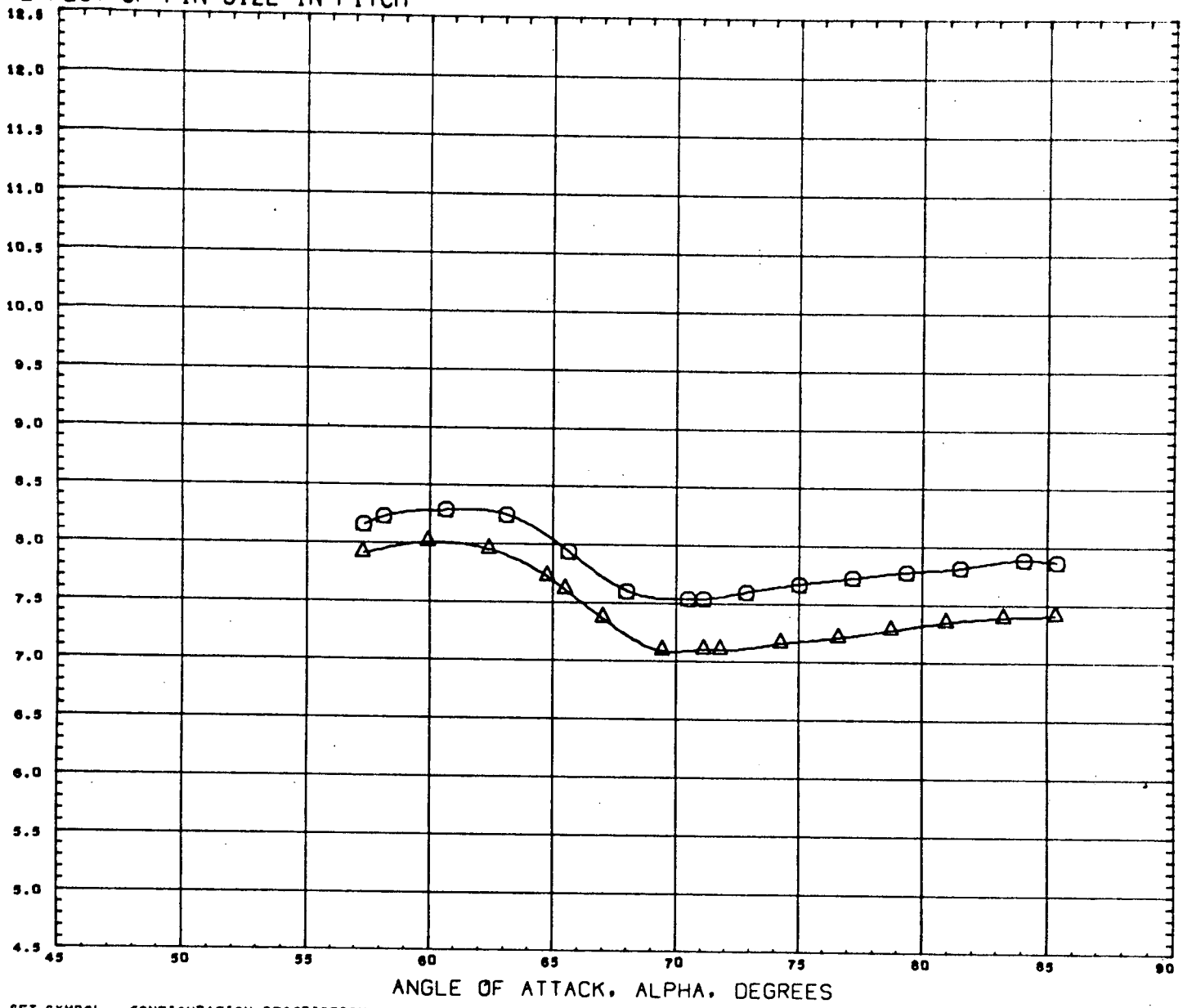


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

EFFECT OF FIN SIZE IN PITCH



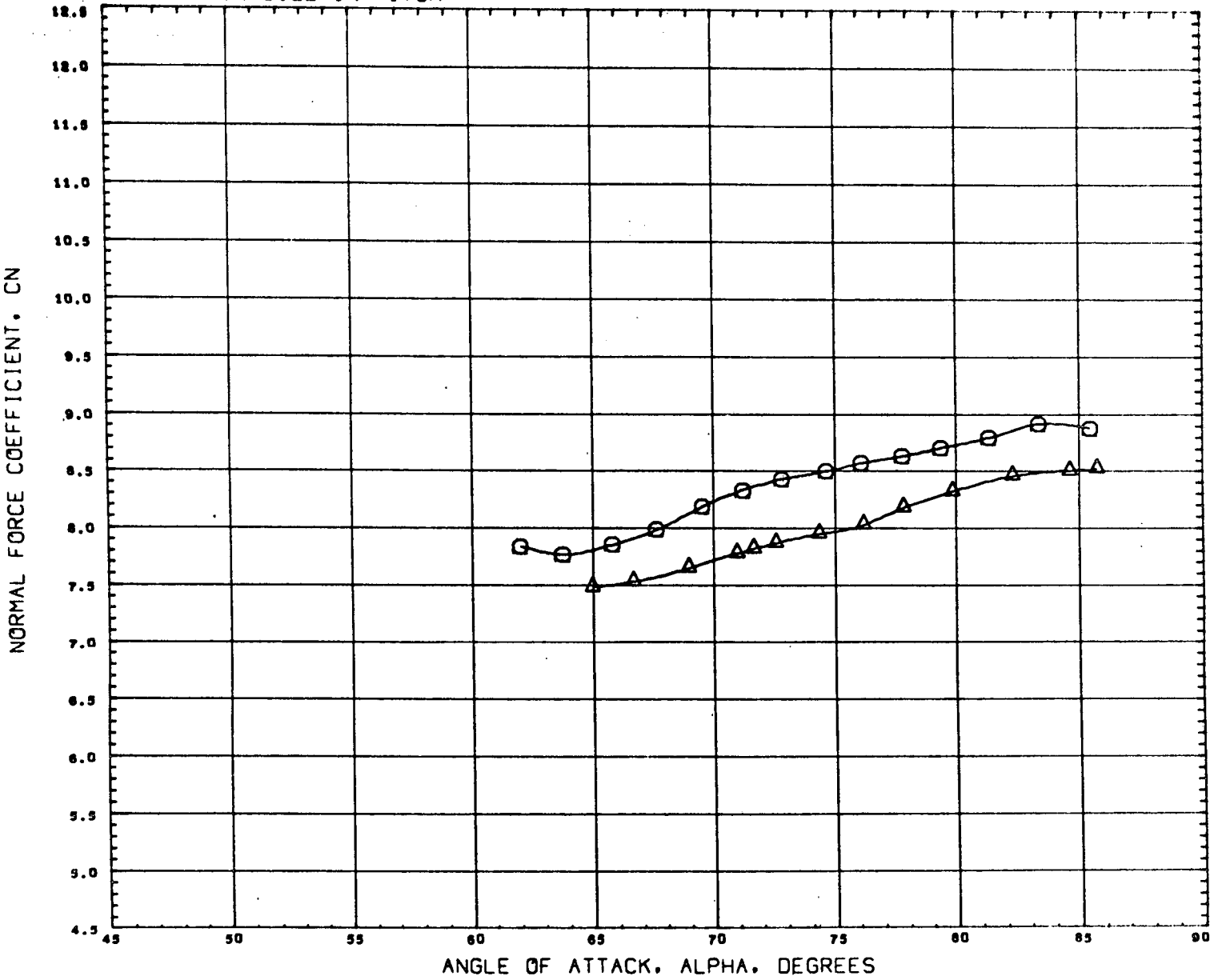
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1		0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF FIN SIZE IN PITCH

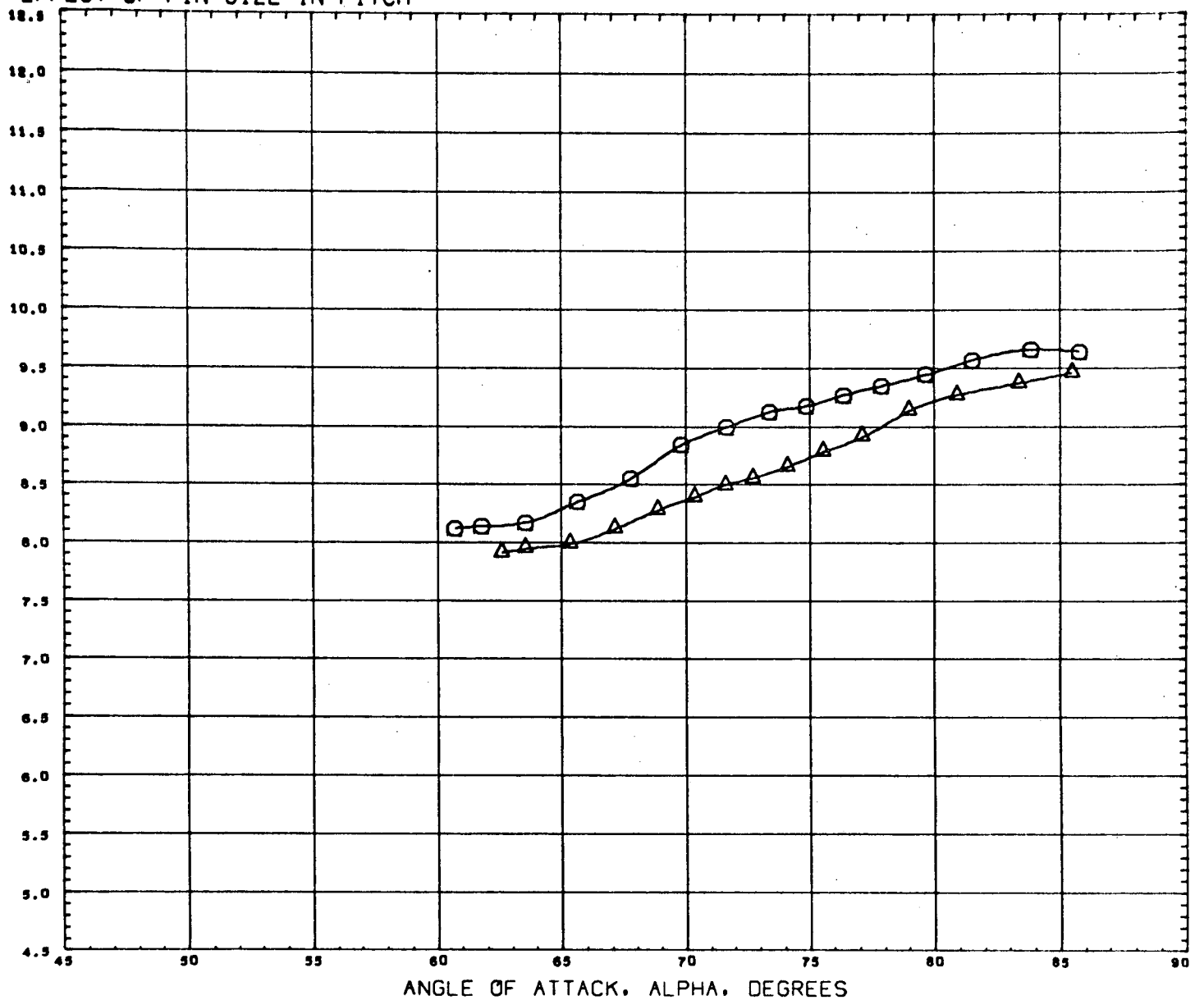


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN PITCH

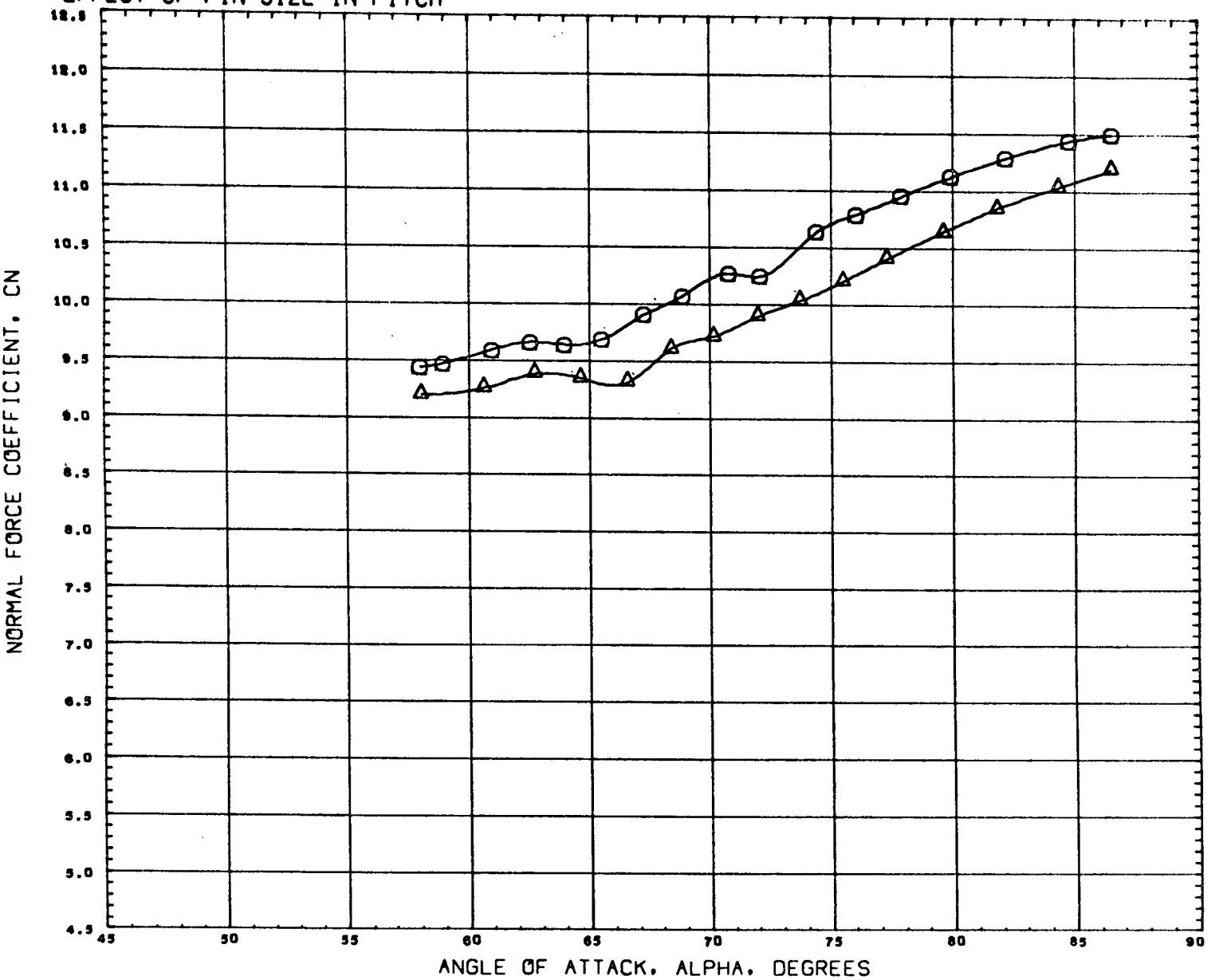


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF FIN SIZE IN PITCH



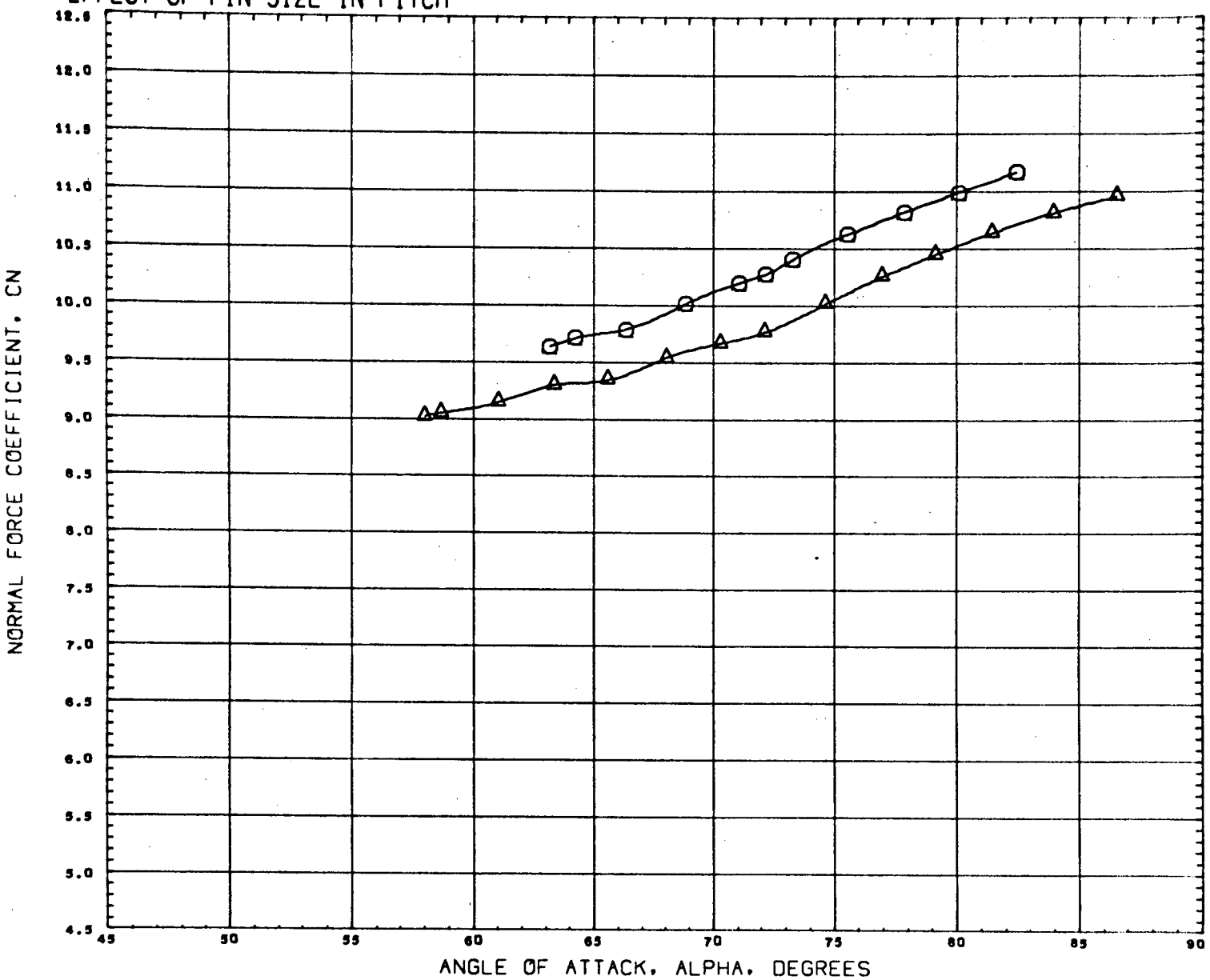
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN PITCH



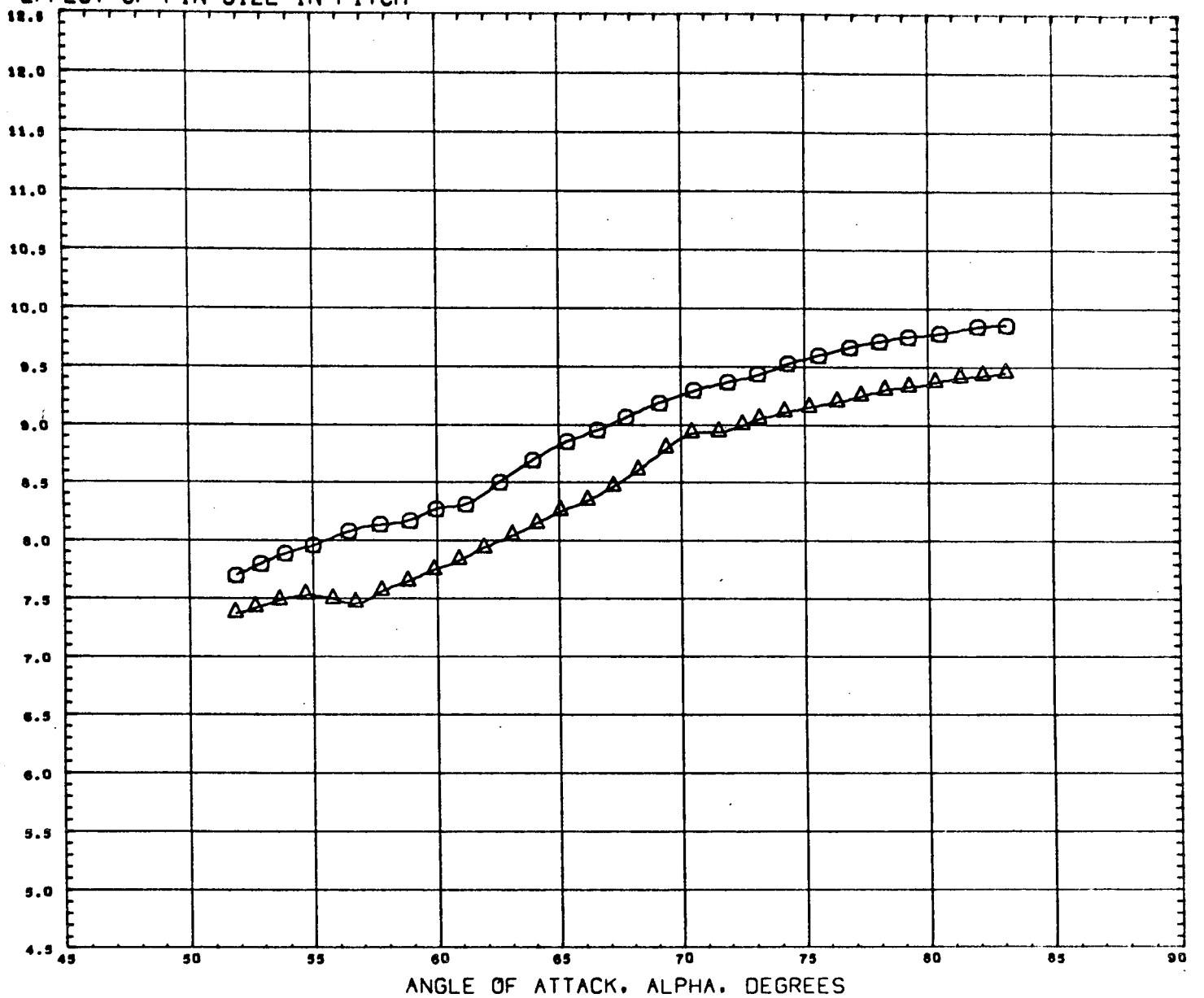
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN PITCH

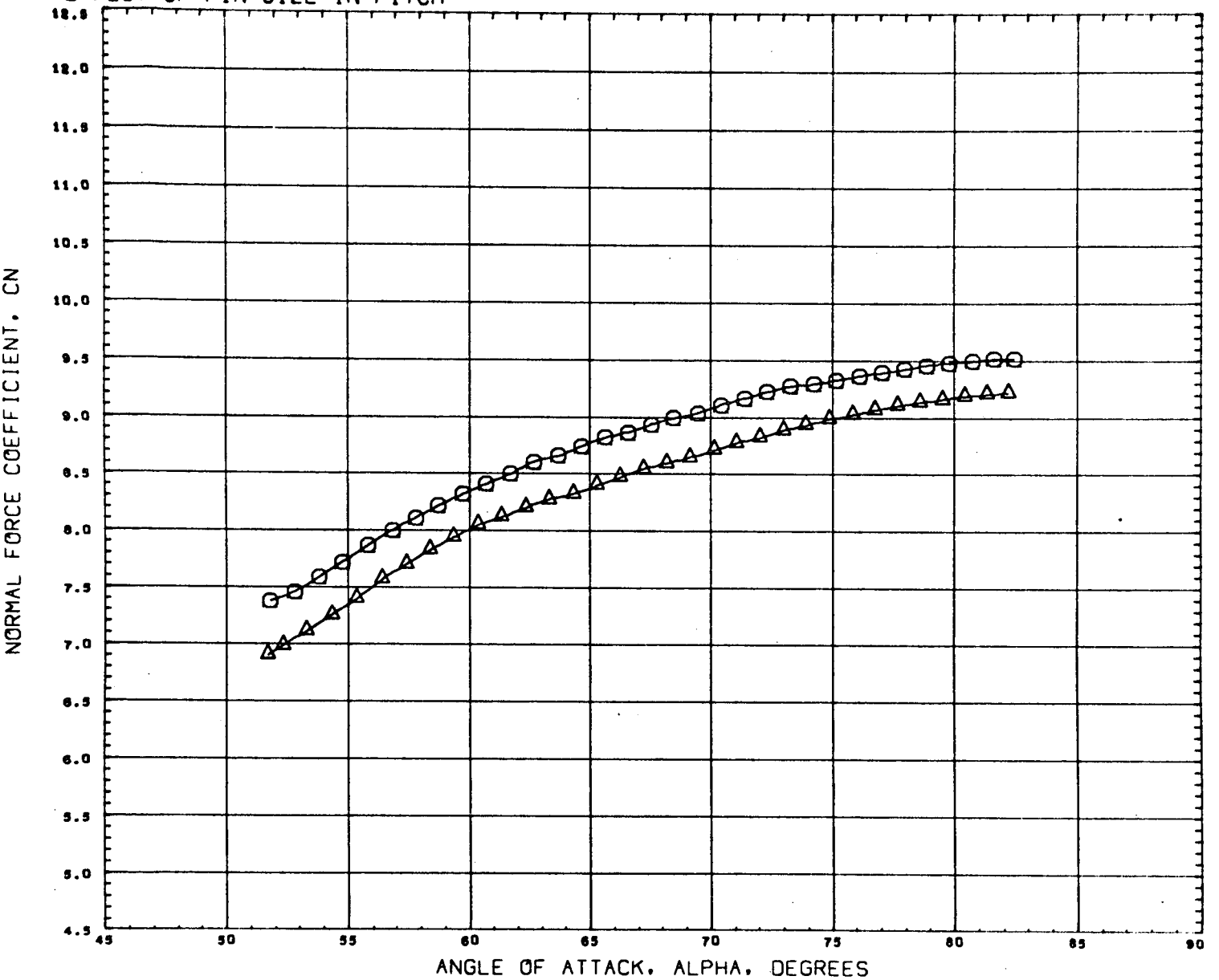


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN PITCH



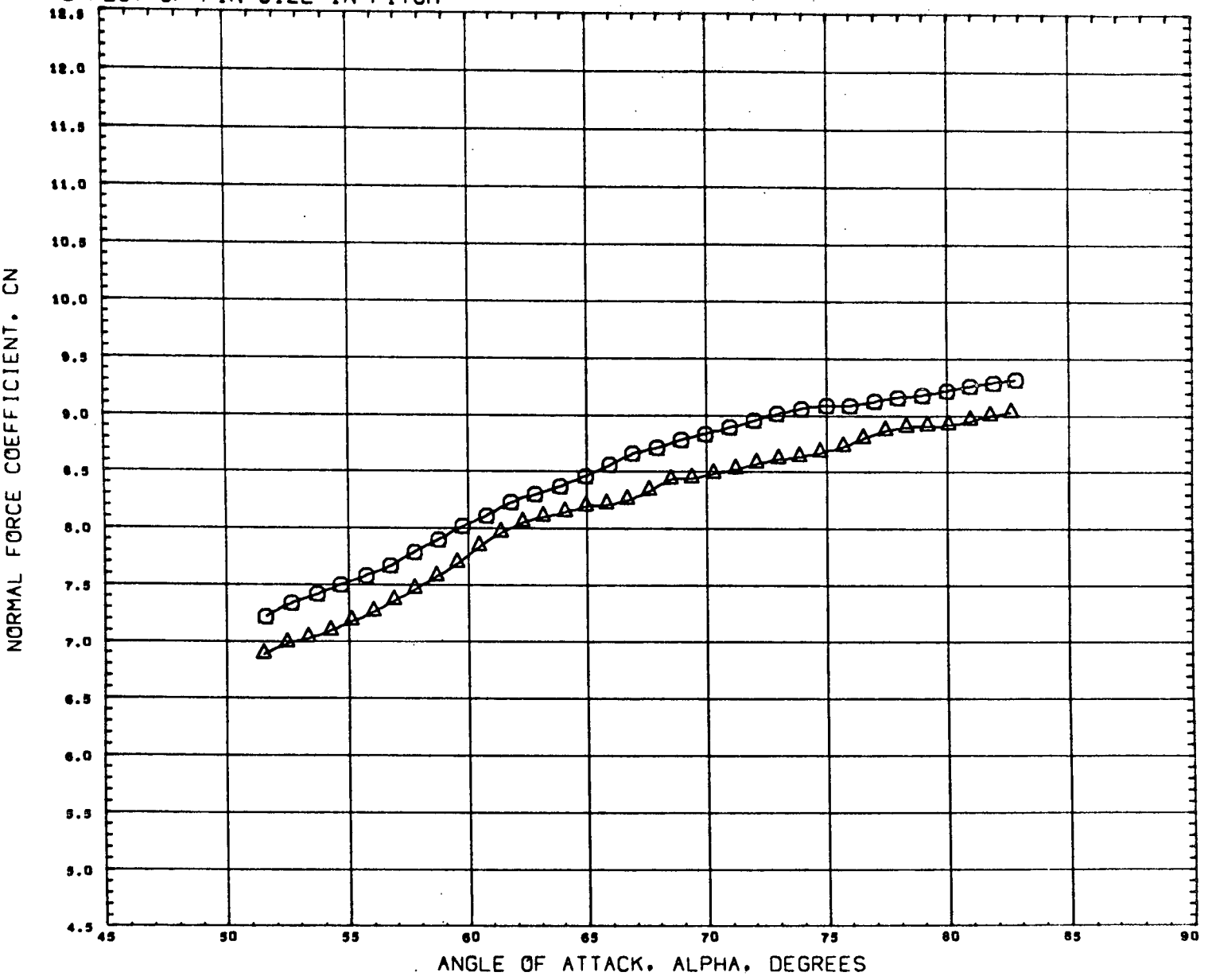
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN PITCH



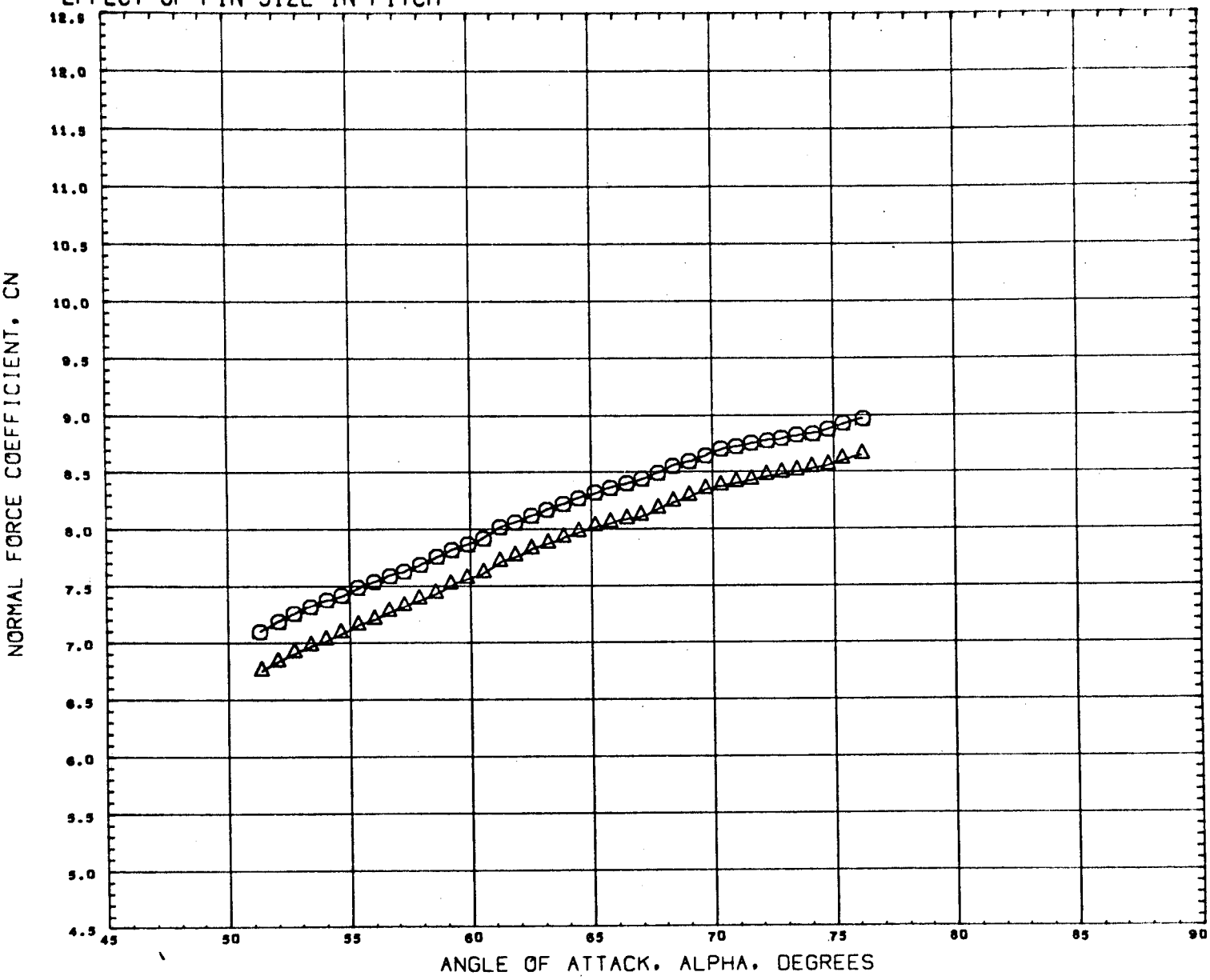
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN PITCH



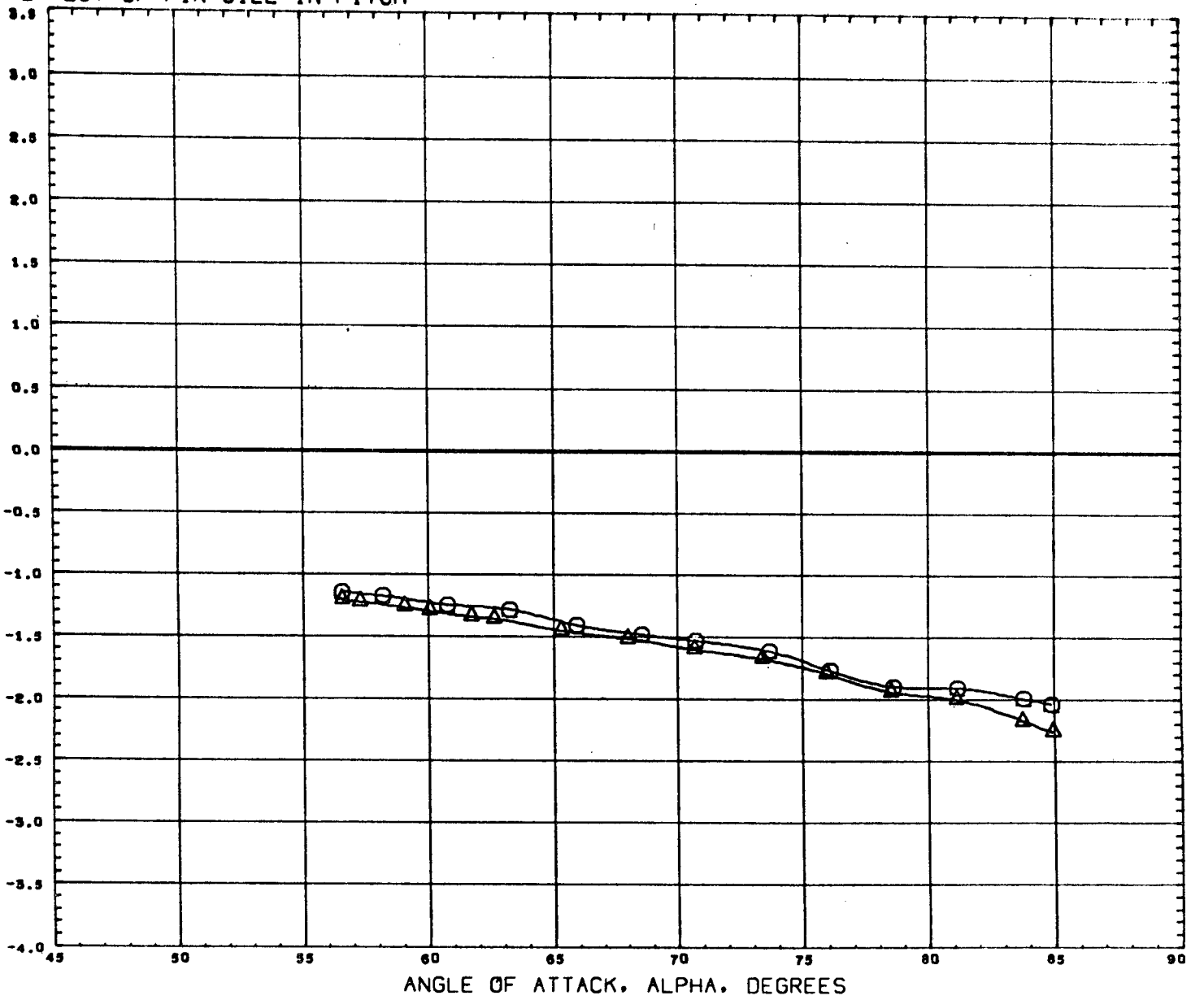
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF FIN SIZE IN PITCH

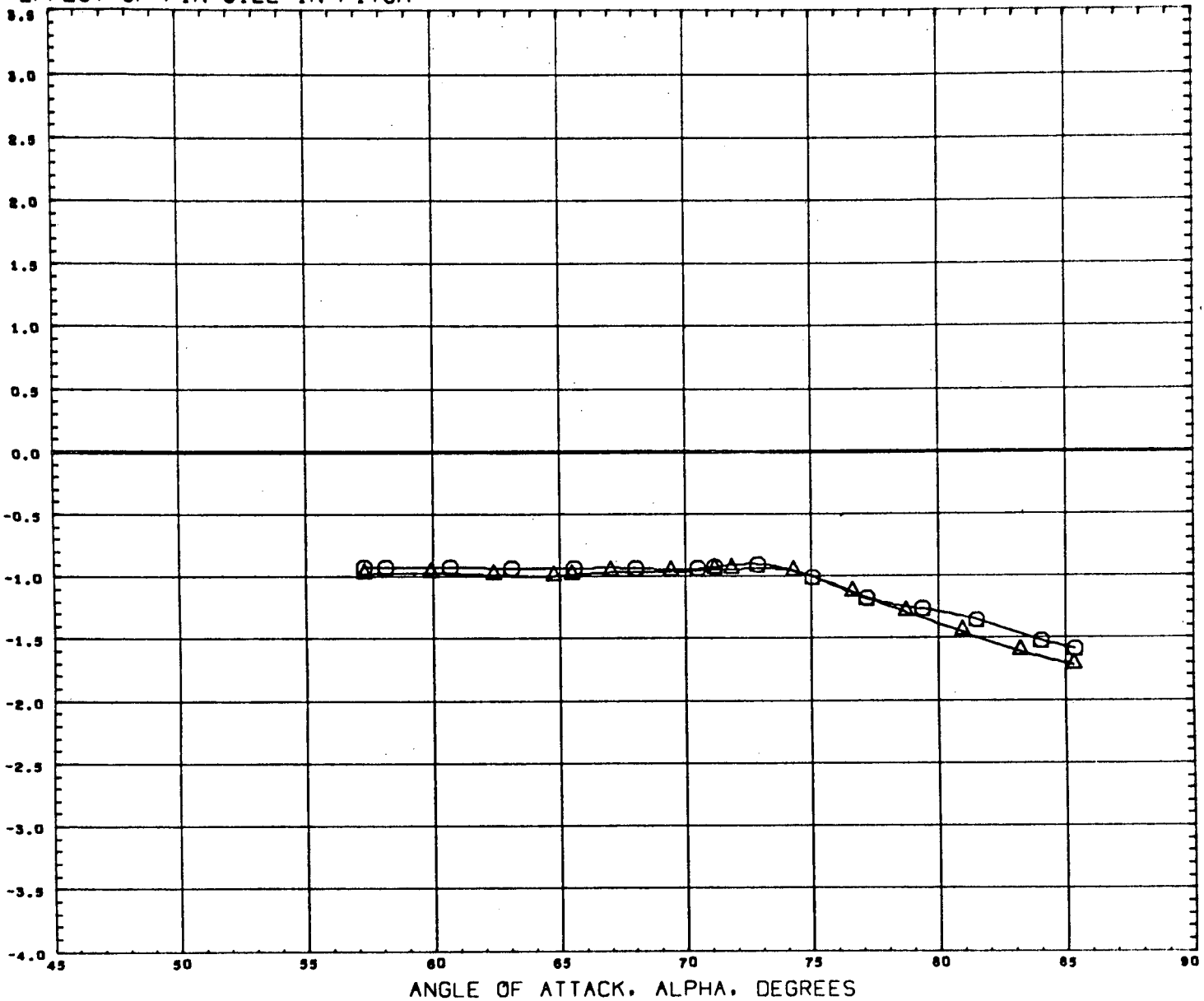


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0099	PERCNT

MACH .60

EFFECT OF FIN SIZE IN PITCH



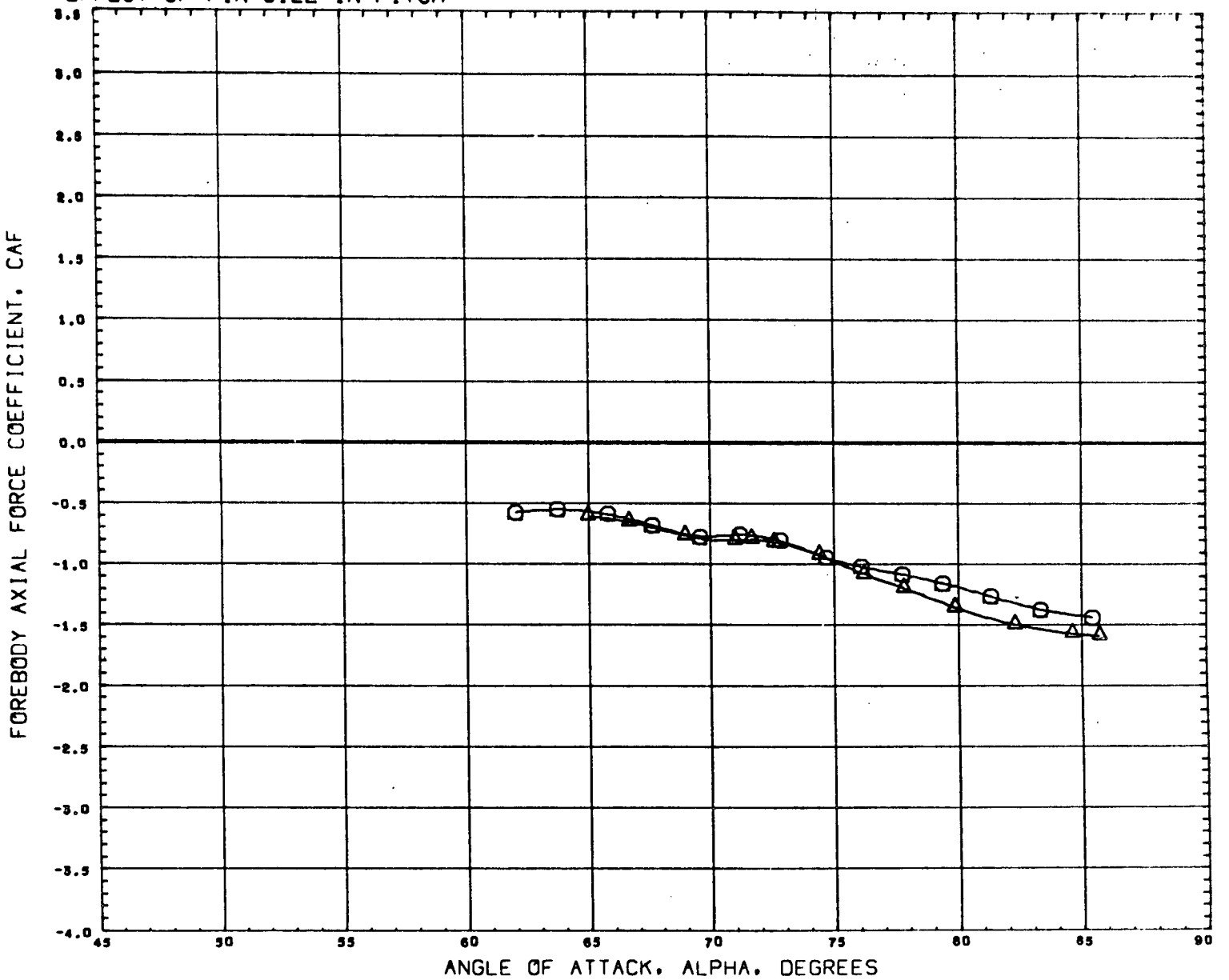
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF FIN SIZE IN PITCH



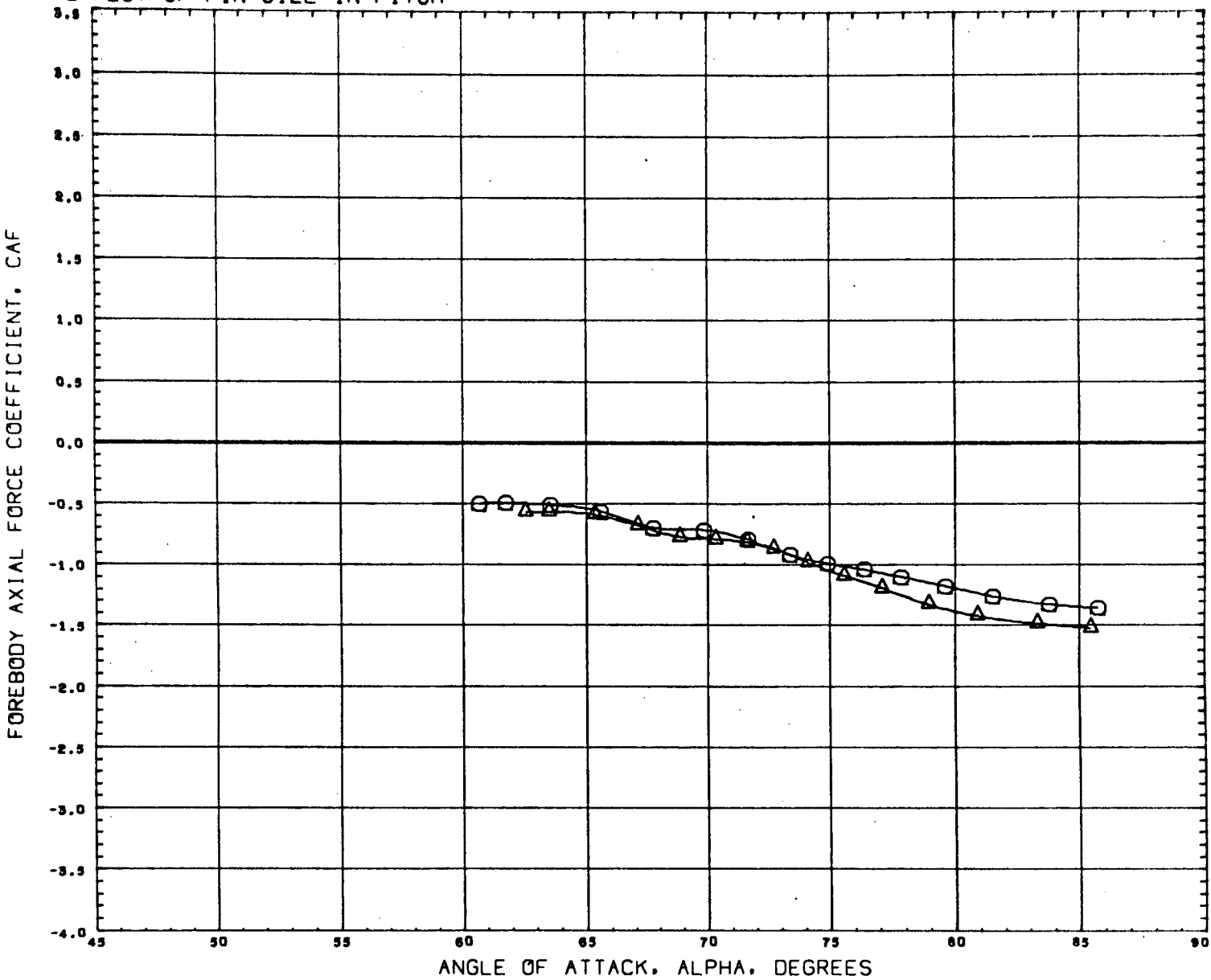
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN PITCH



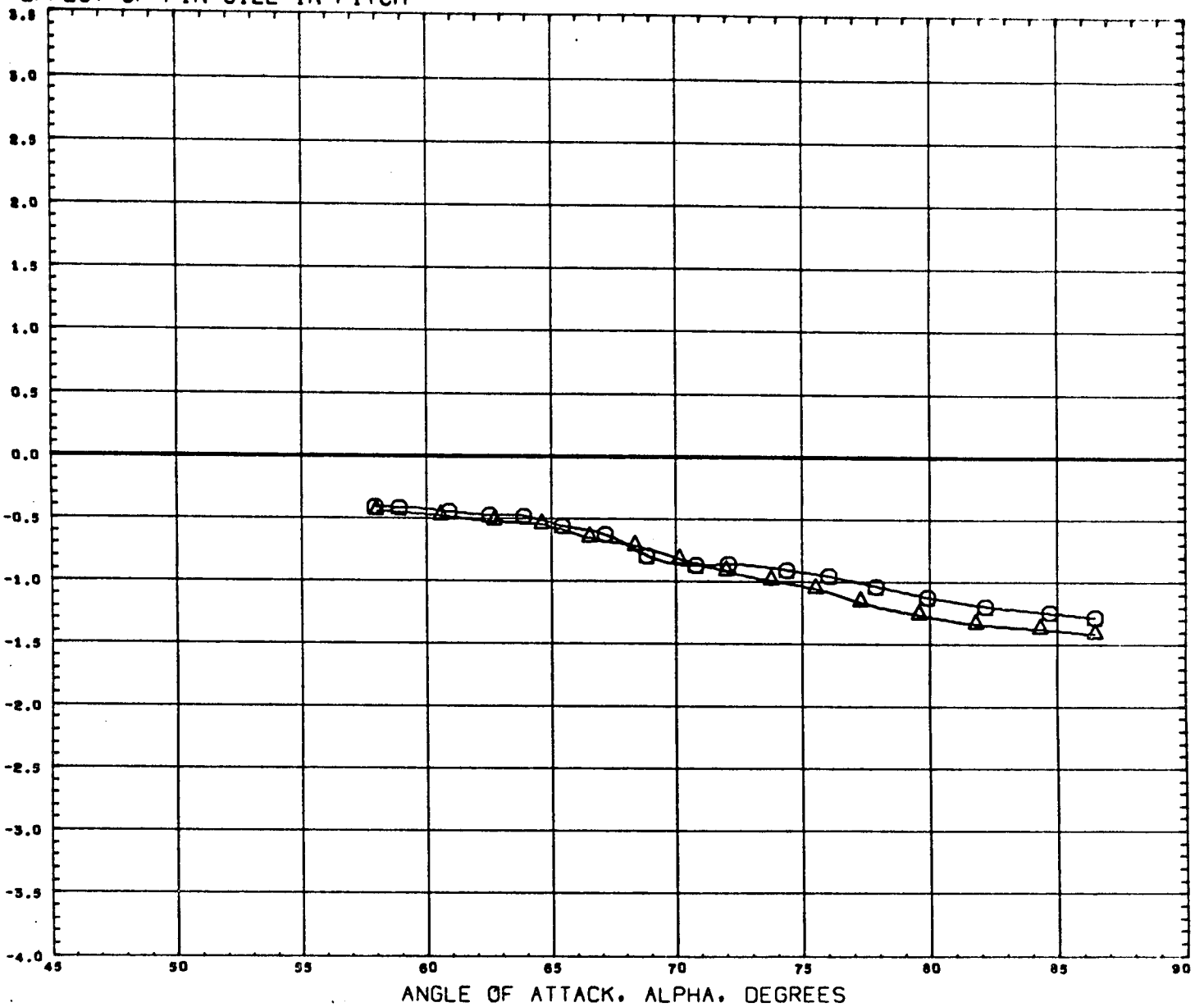
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF FIN SIZE IN PITCH



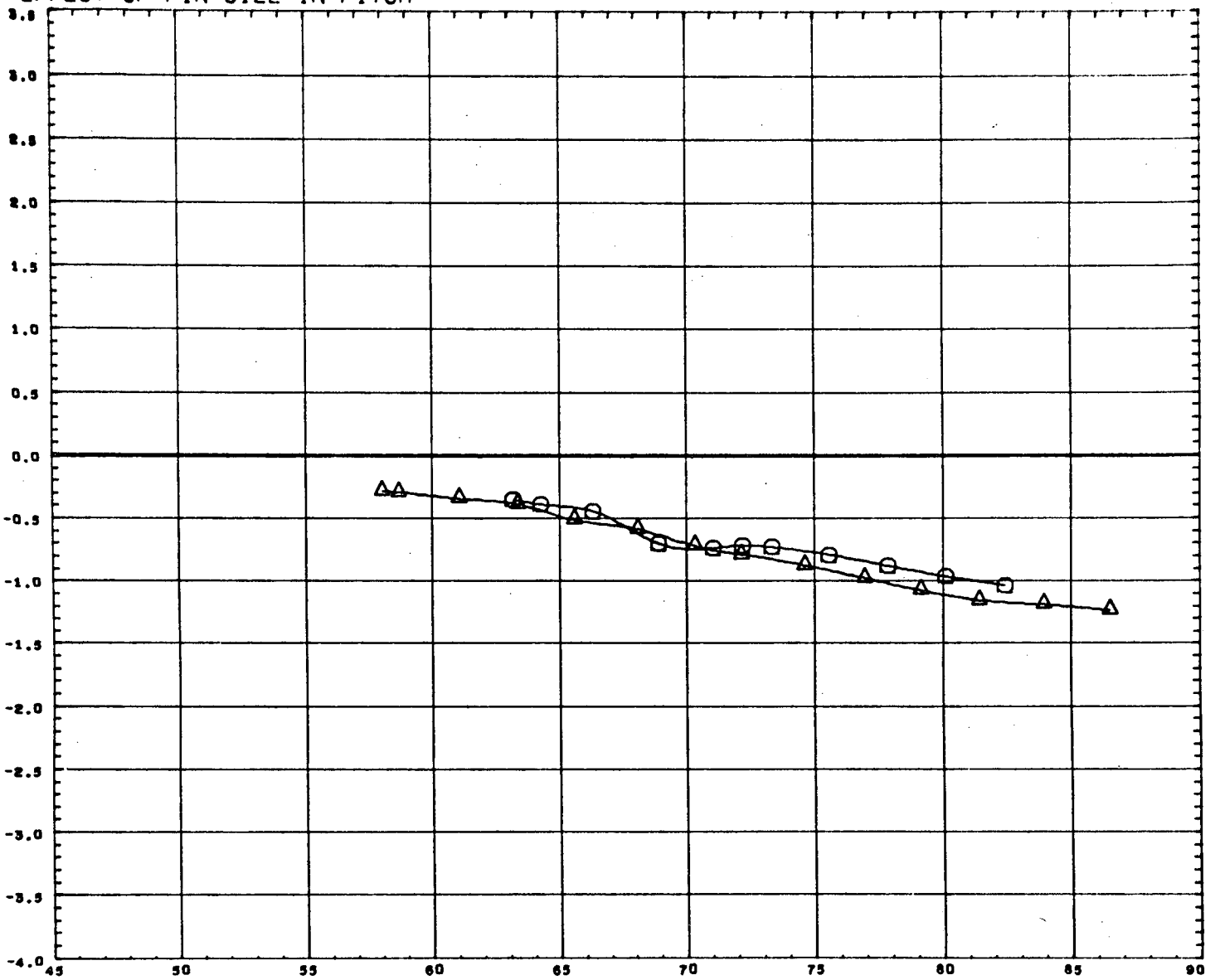
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.6899	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN PITCH

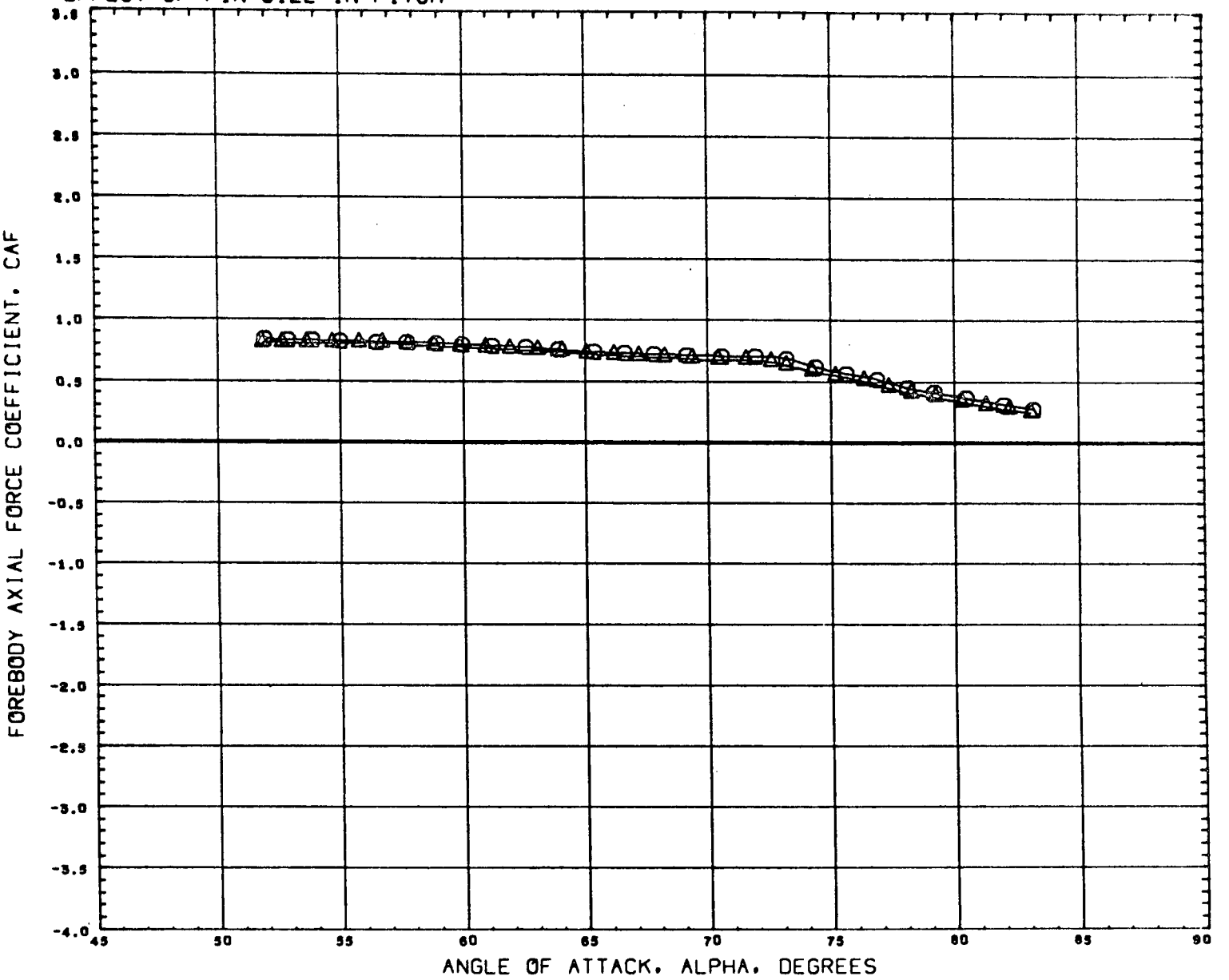


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN PITCH

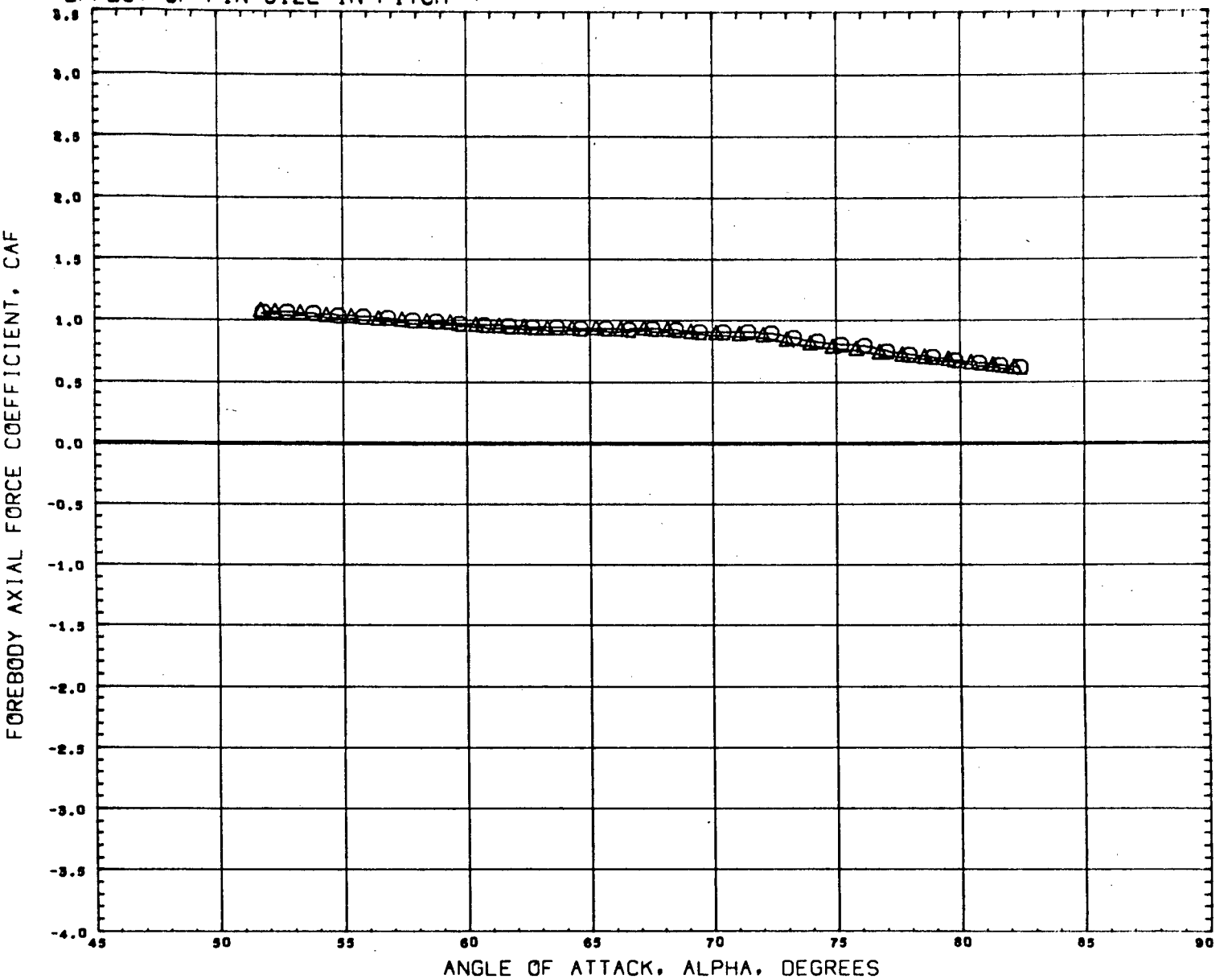


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN PITCH

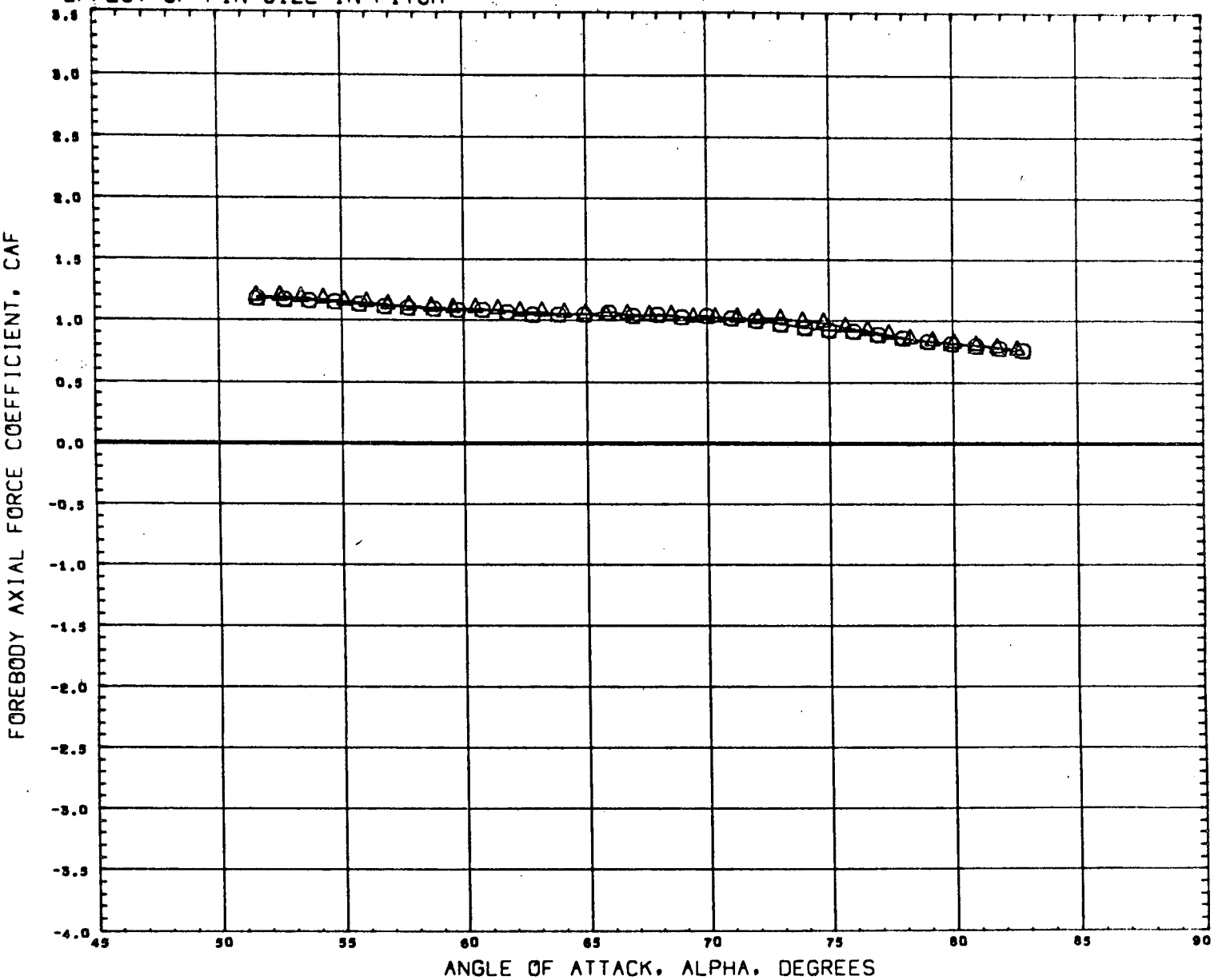


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN PITCH



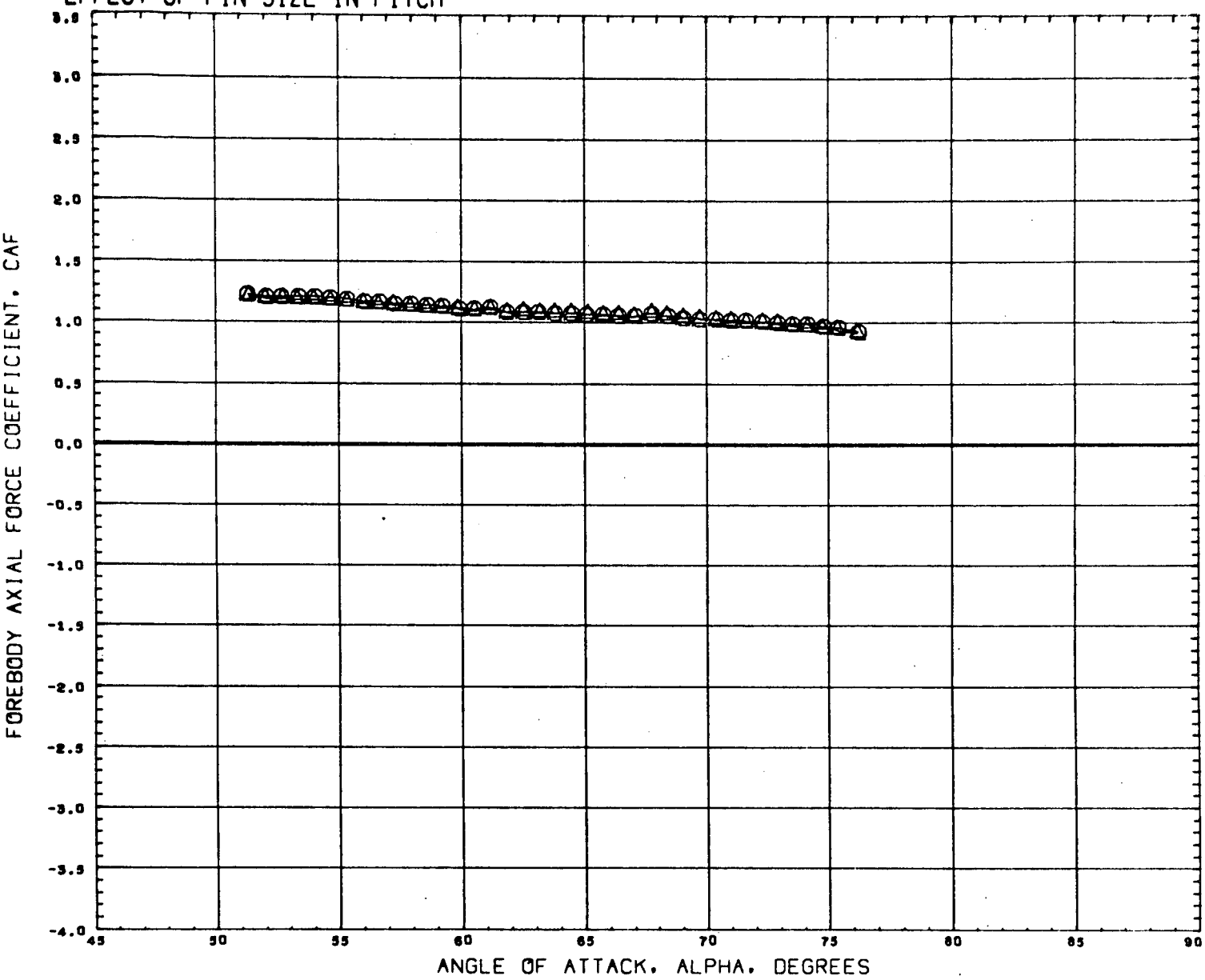
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN PITCH



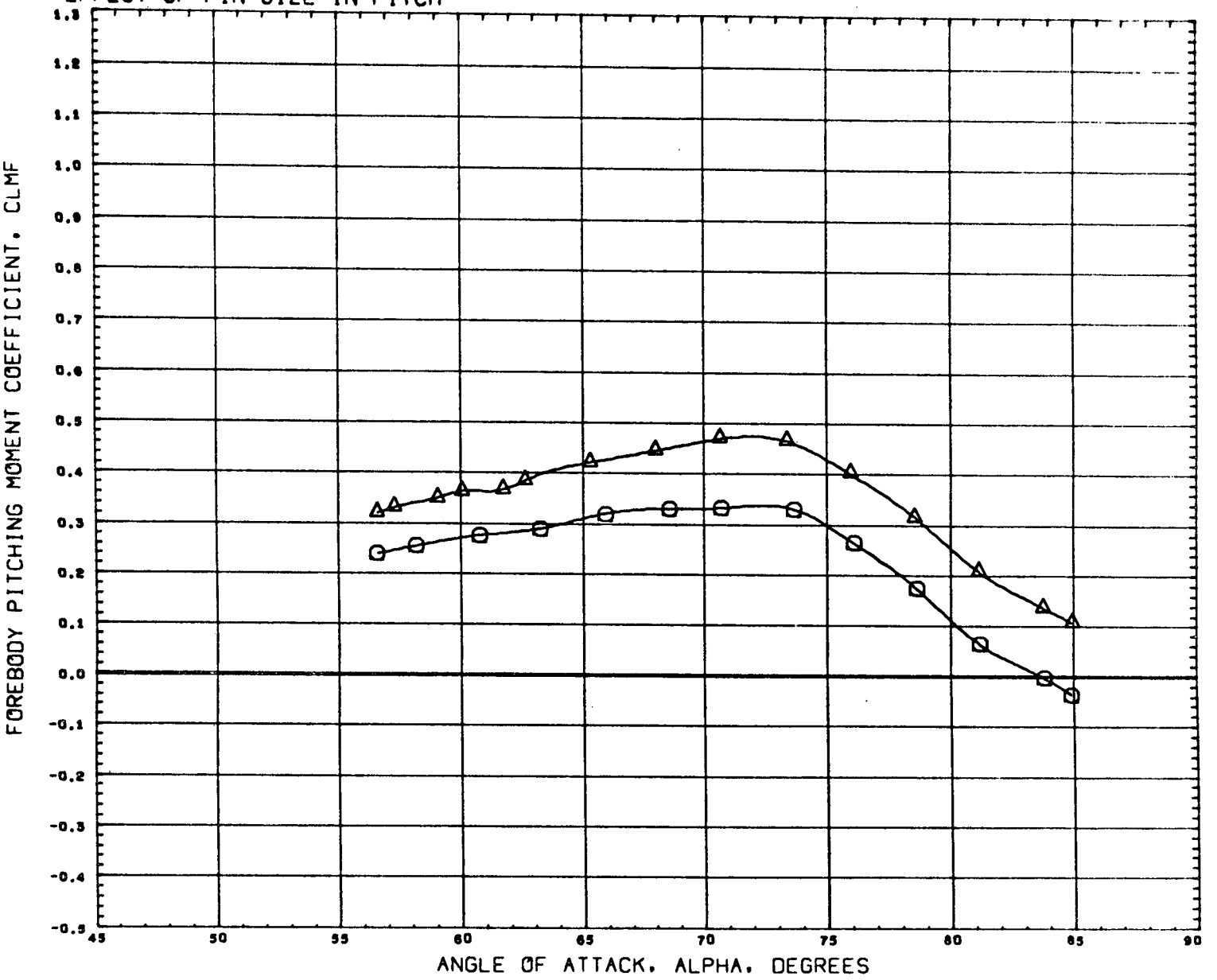
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF FIN SIZE IN PITCH



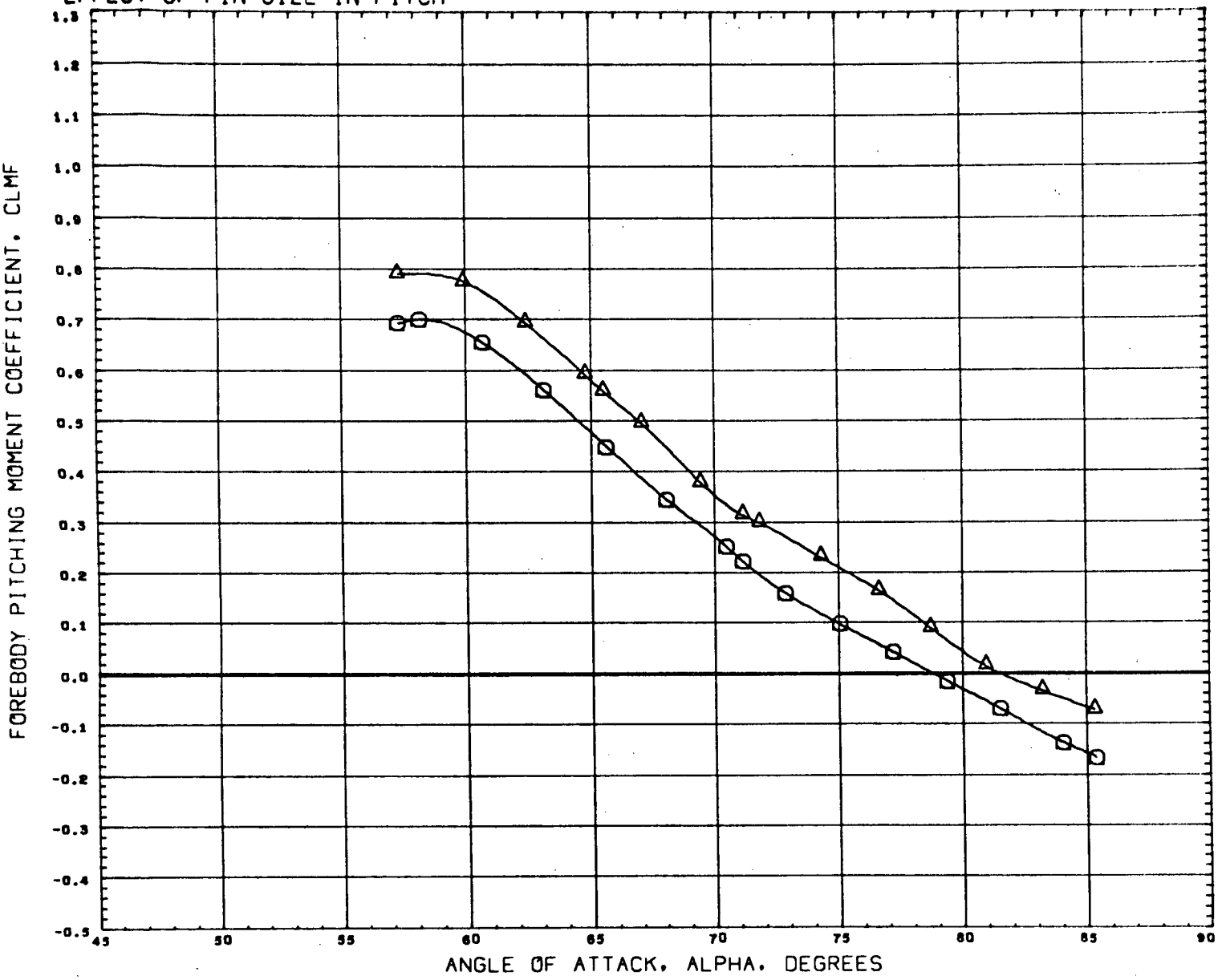
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

EFFECT OF FIN SIZE IN PITCH

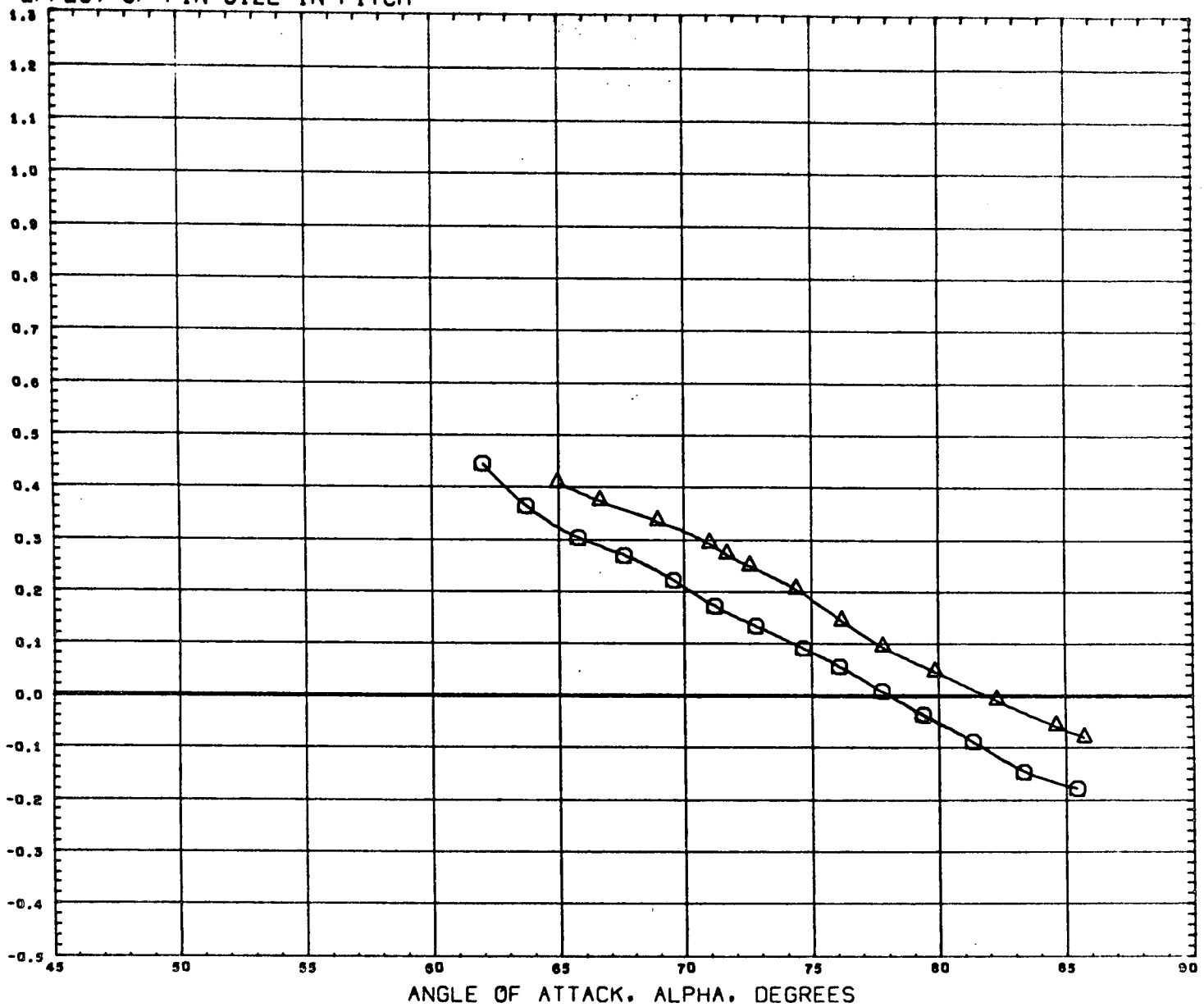


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF FIN SIZE IN PITCH

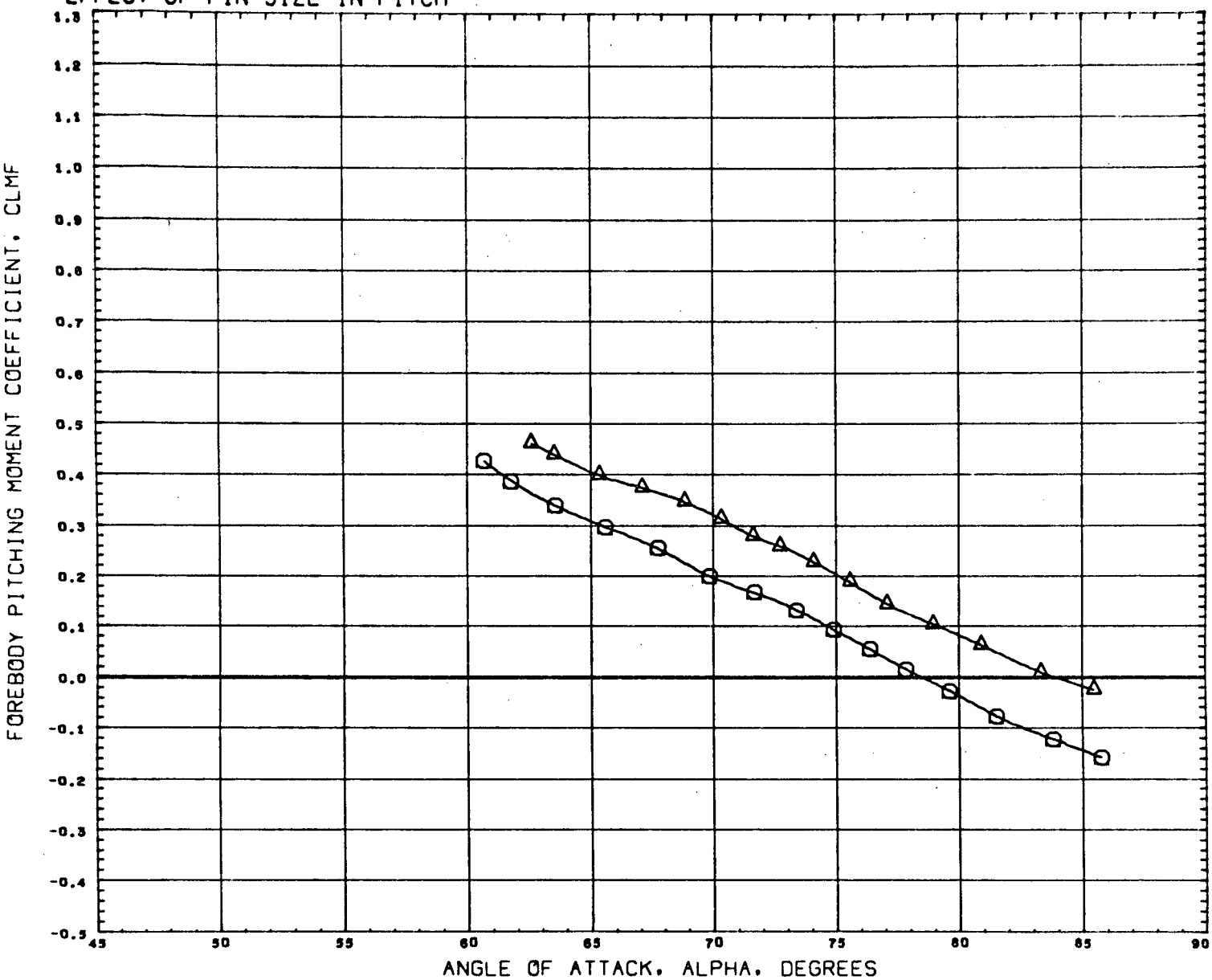


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN PITCH

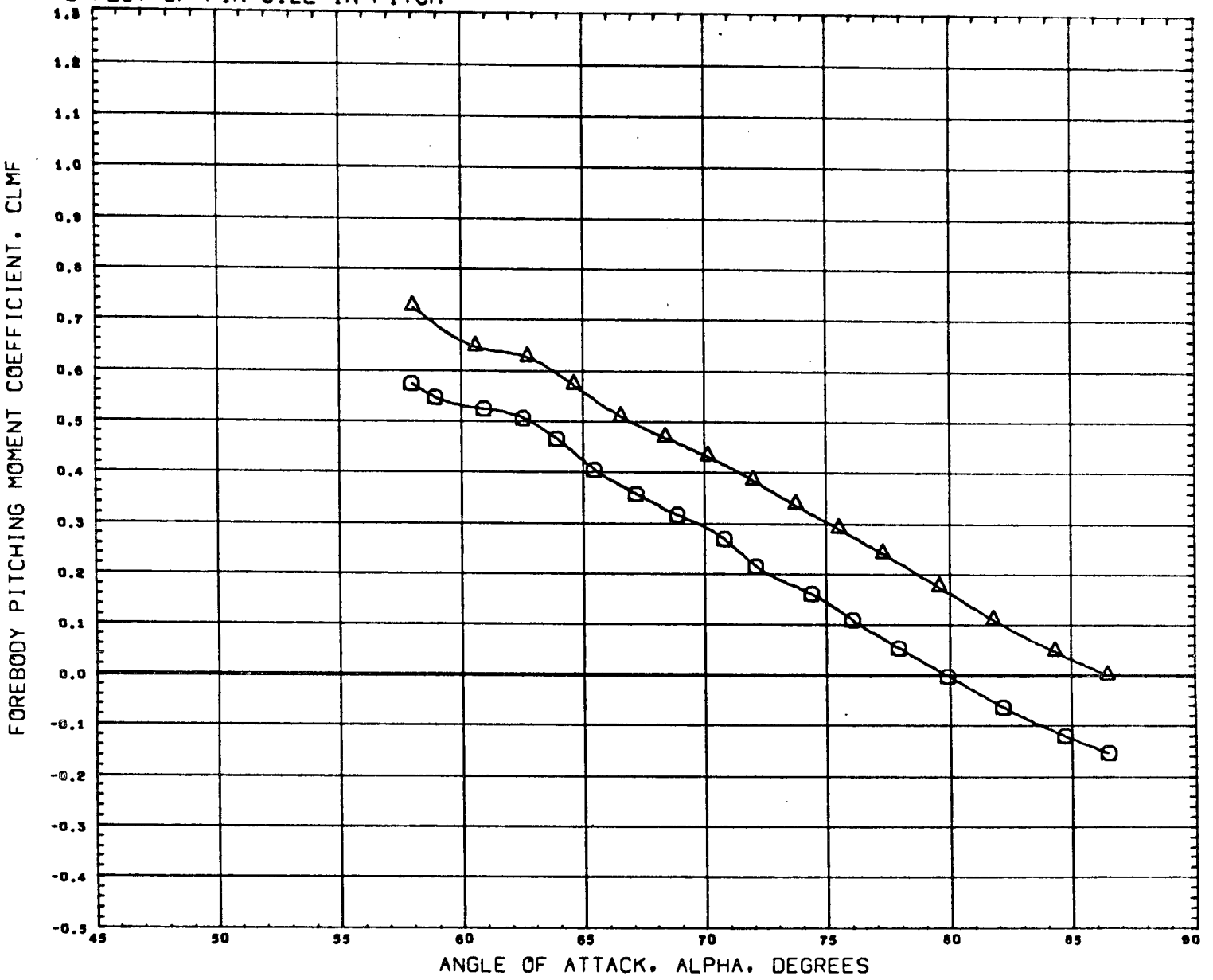


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF FIN SIZE IN PITCH



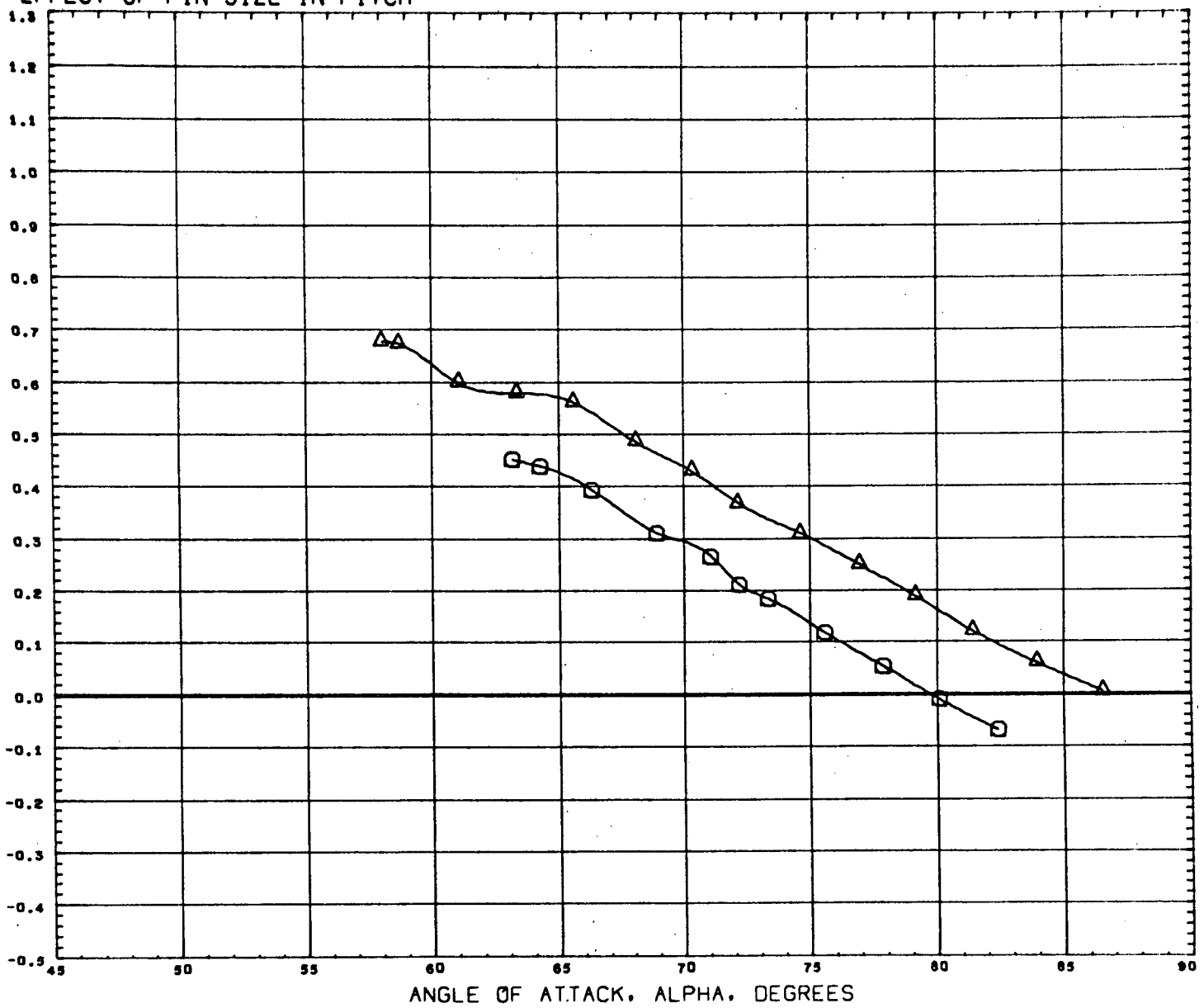
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN PITCH



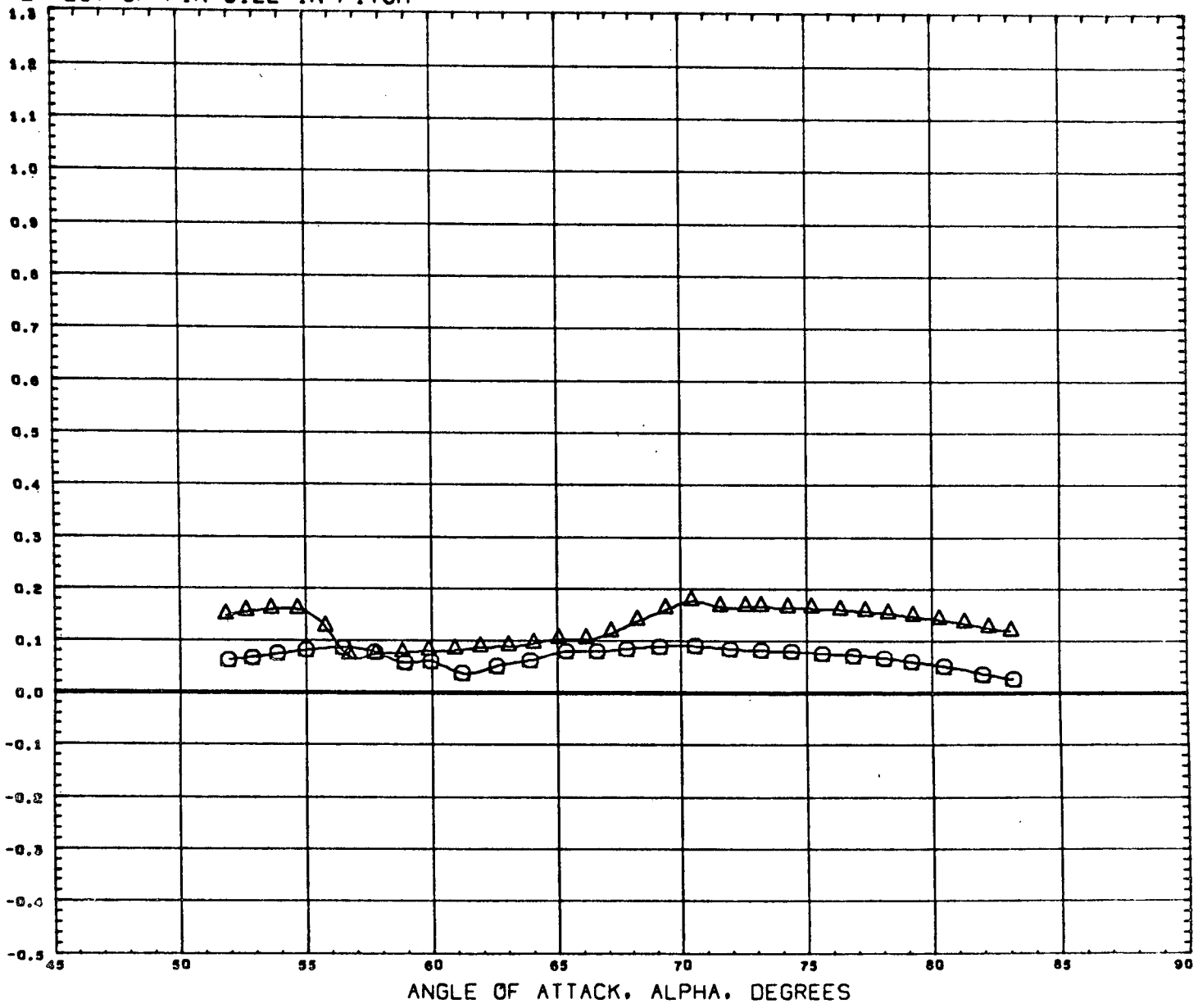
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN PITCH



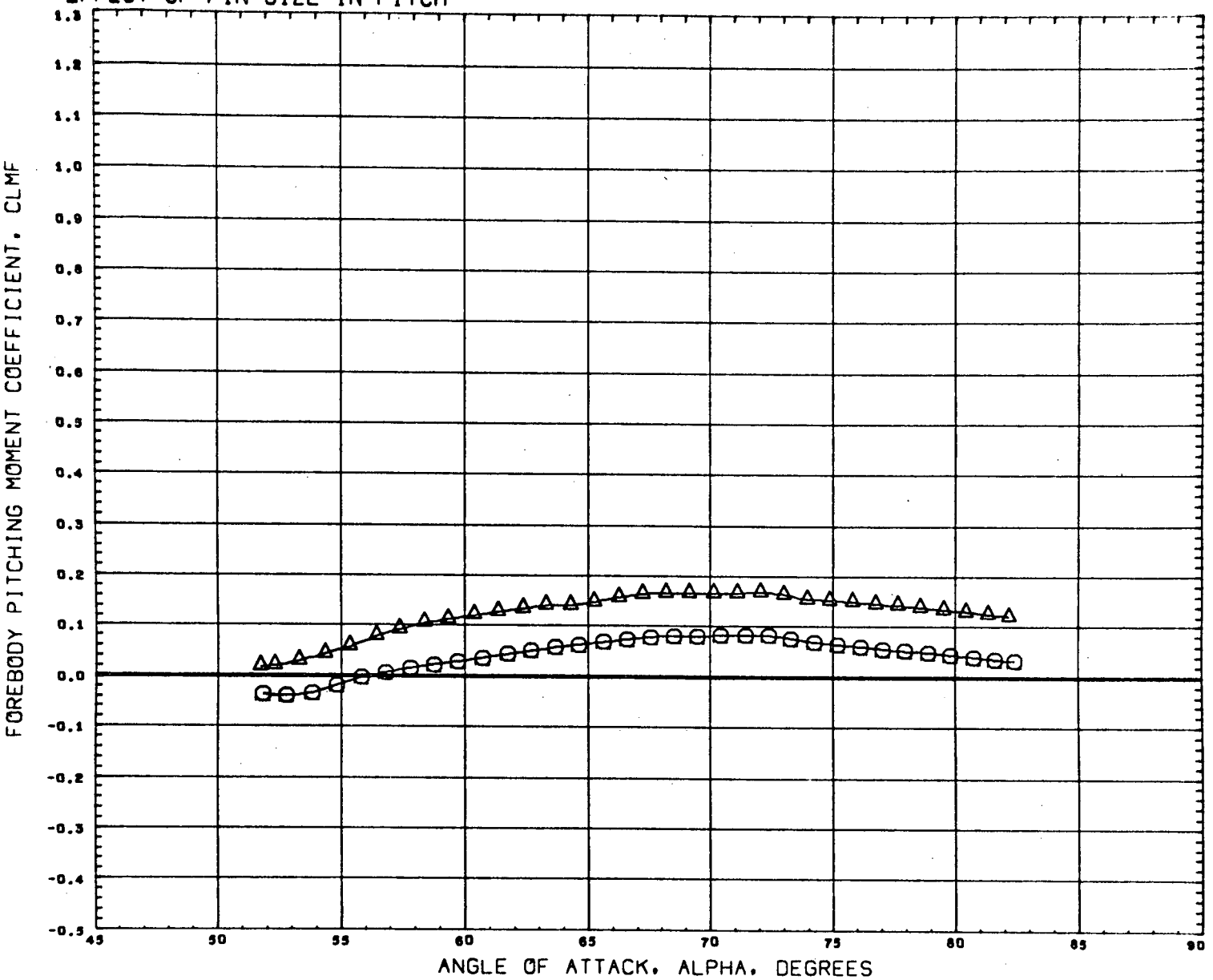
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN PITCH



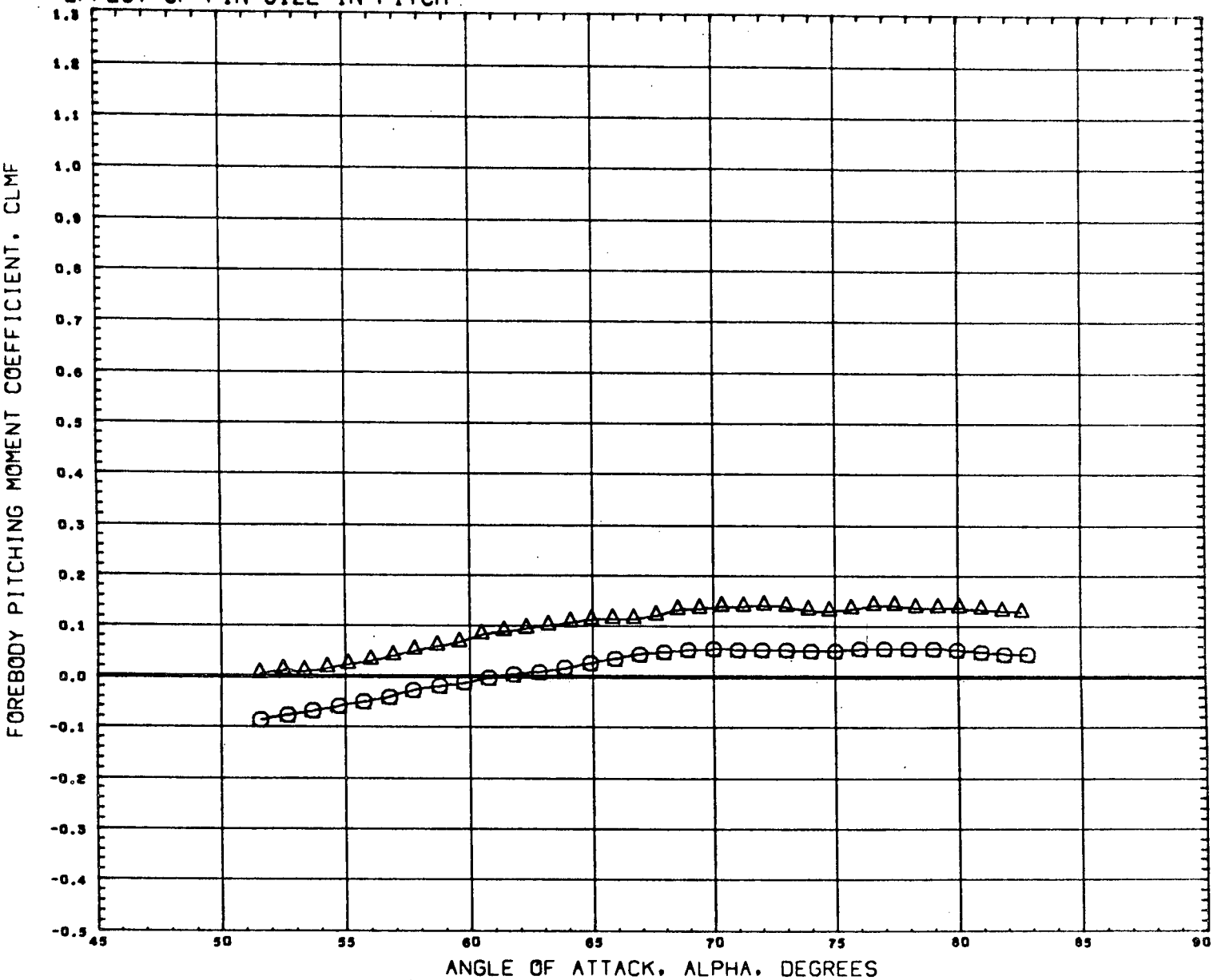
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN PITCH

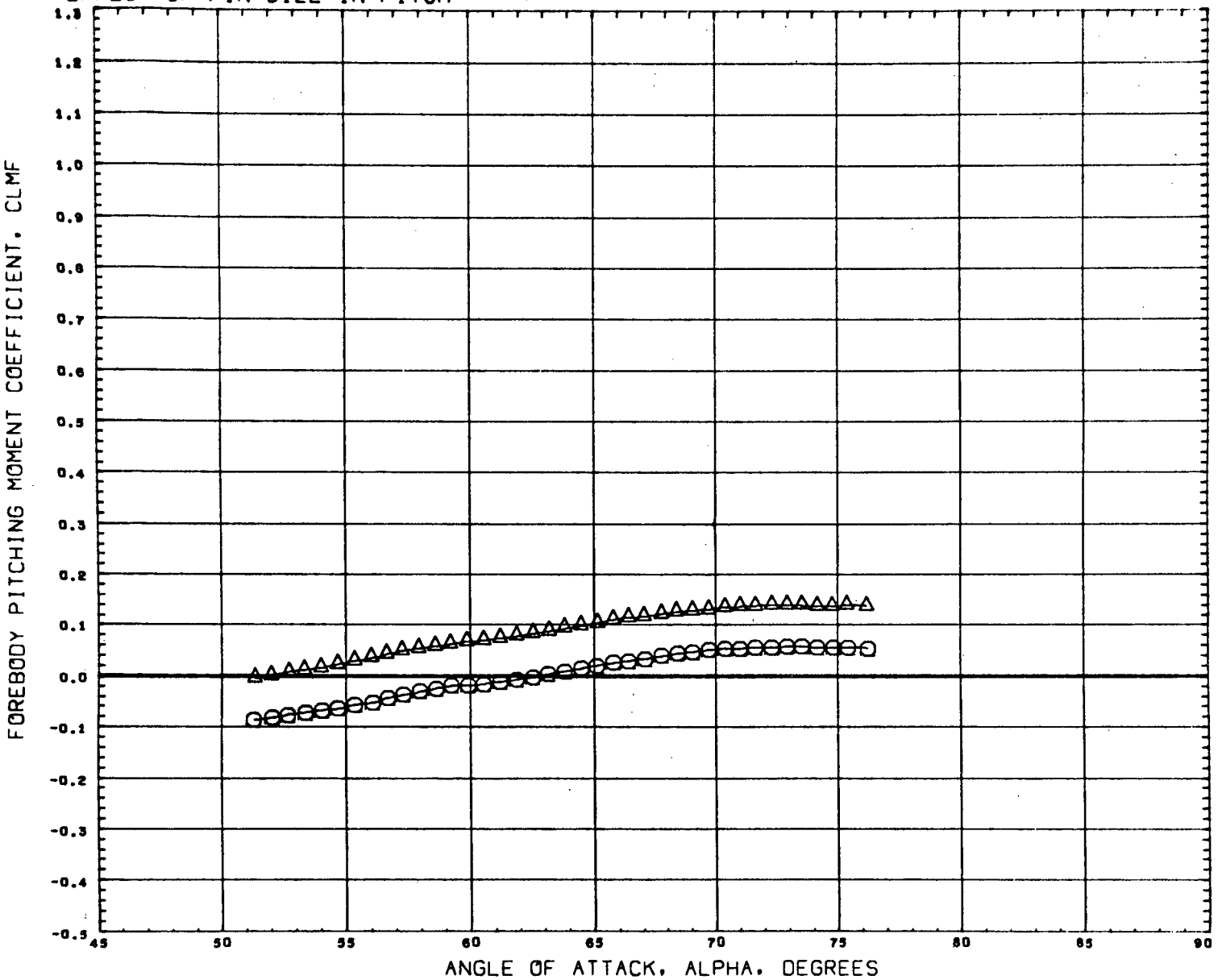


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN PITCH

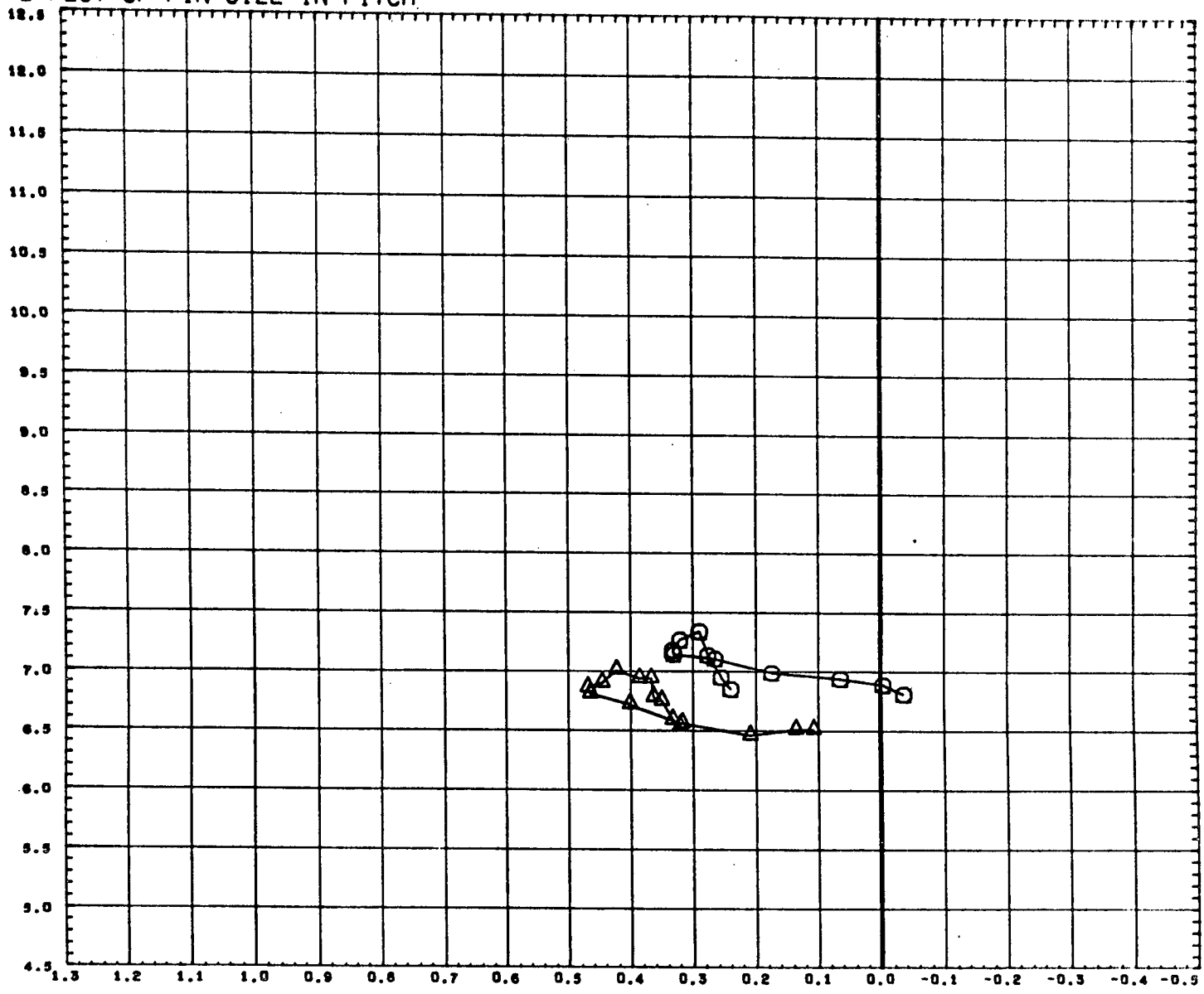


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF FIN SIZE IN PITCH



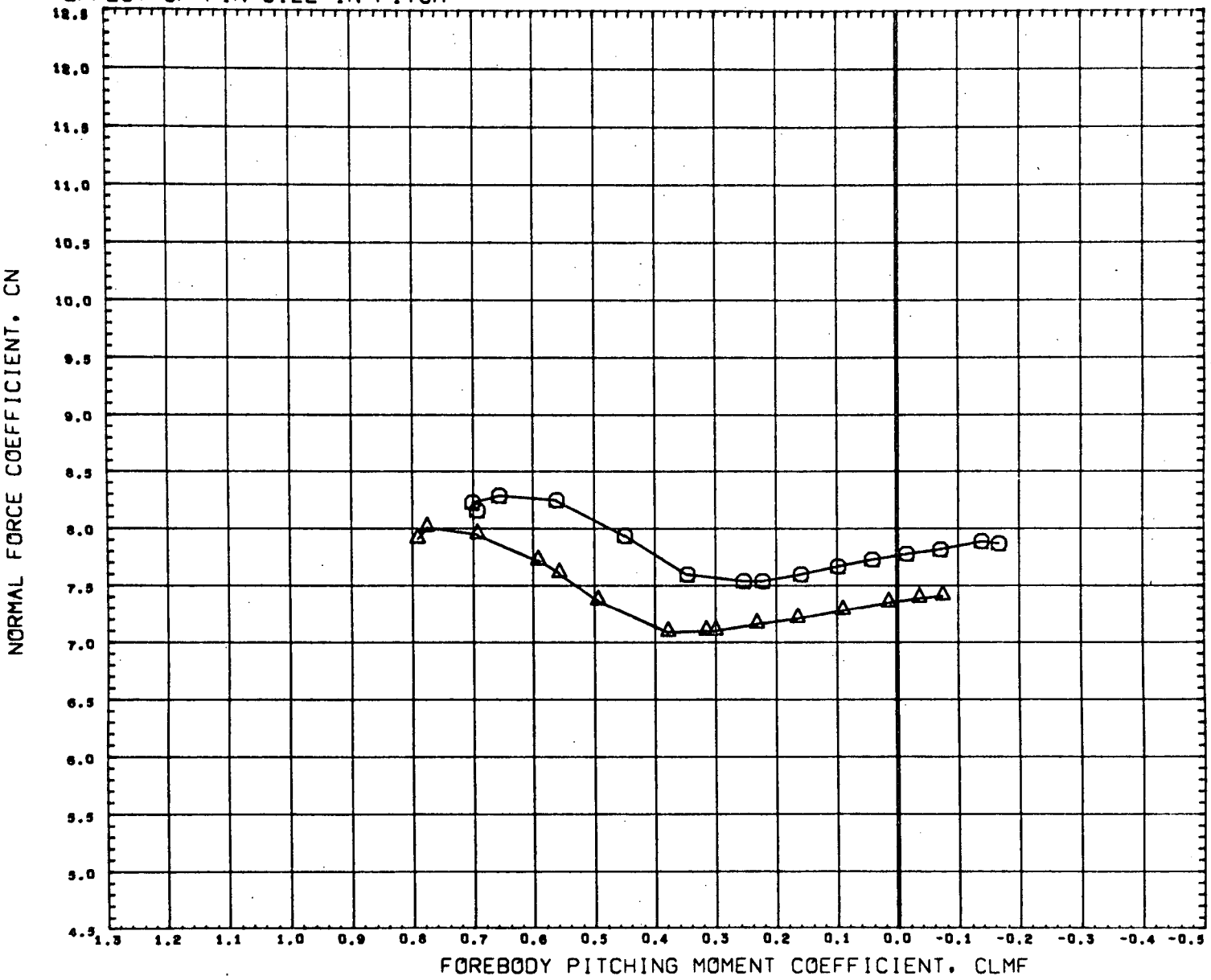
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

EFFECT OF FIN SIZE IN PITCH



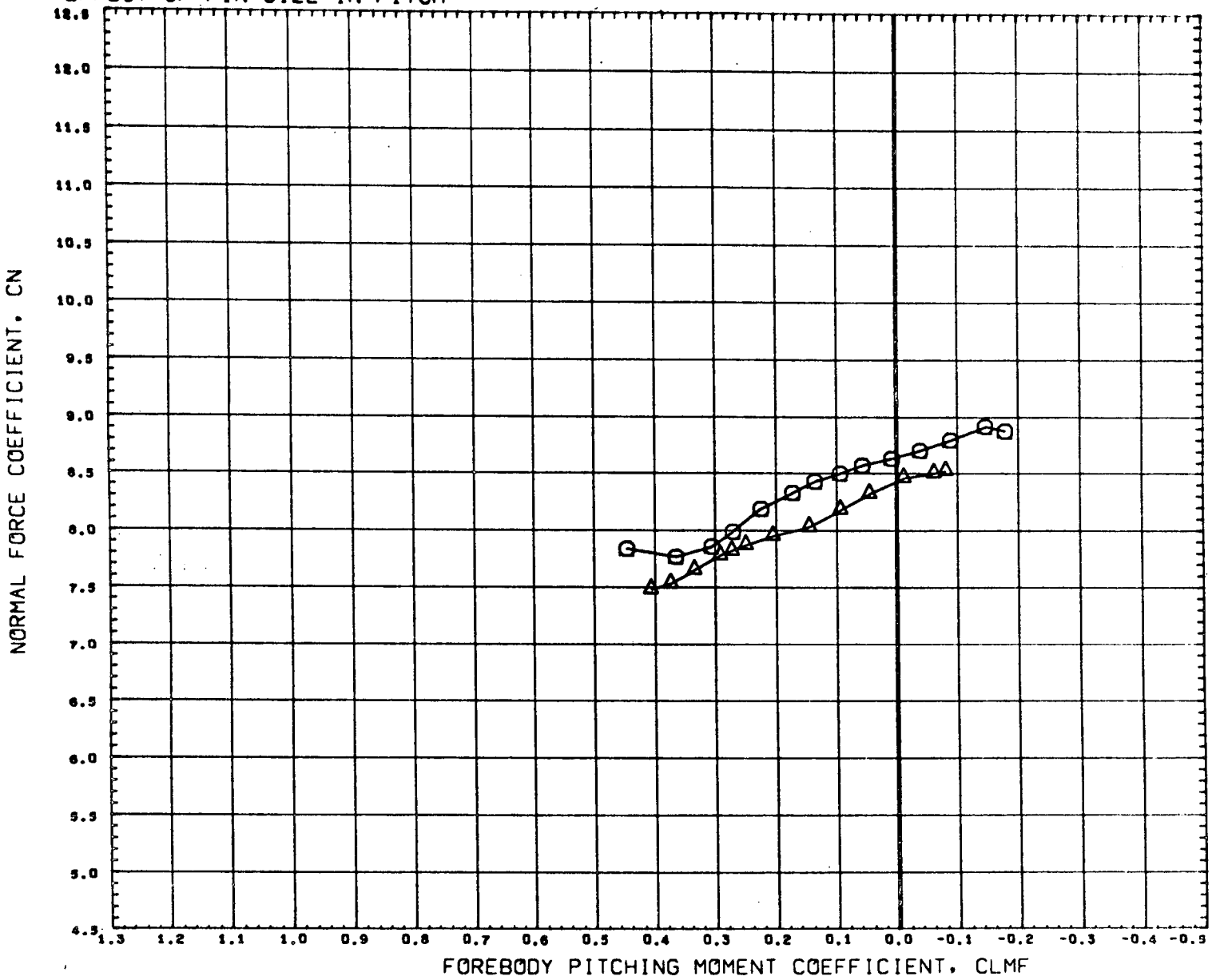
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF FIN SIZE IN PITCH

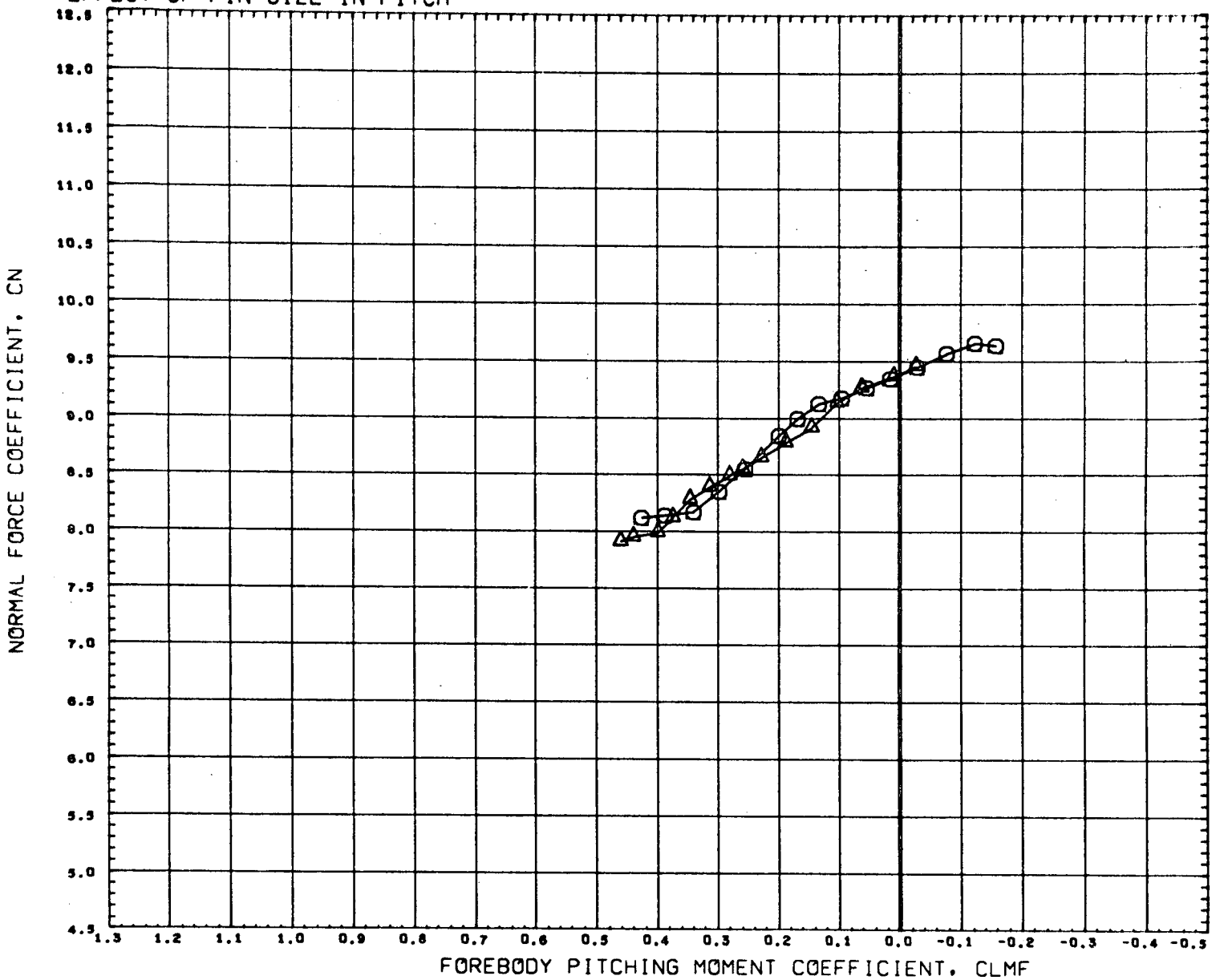


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN PITCH

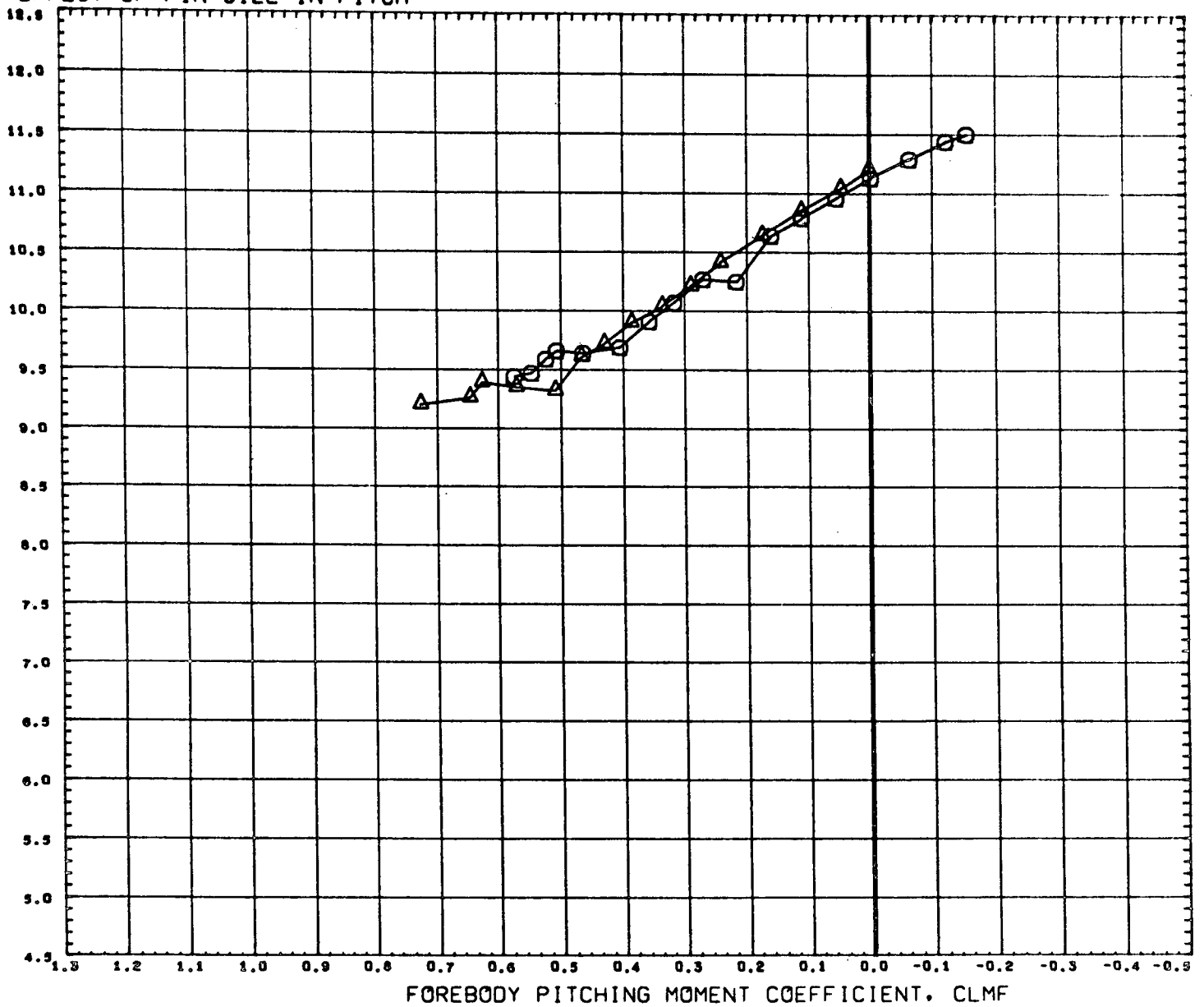


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF FIN SIZE IN PITCH

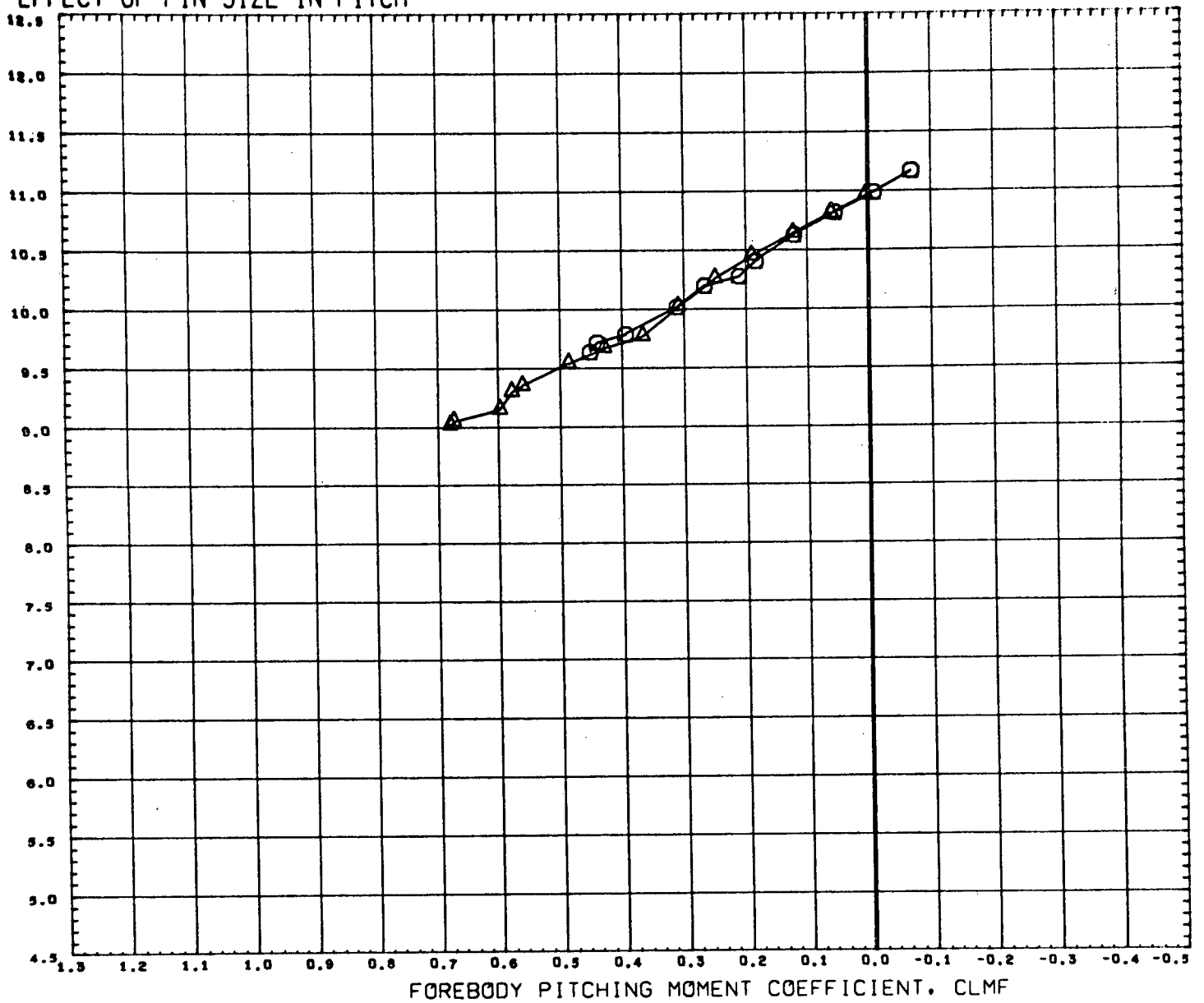


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(AD4031)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN PITCH



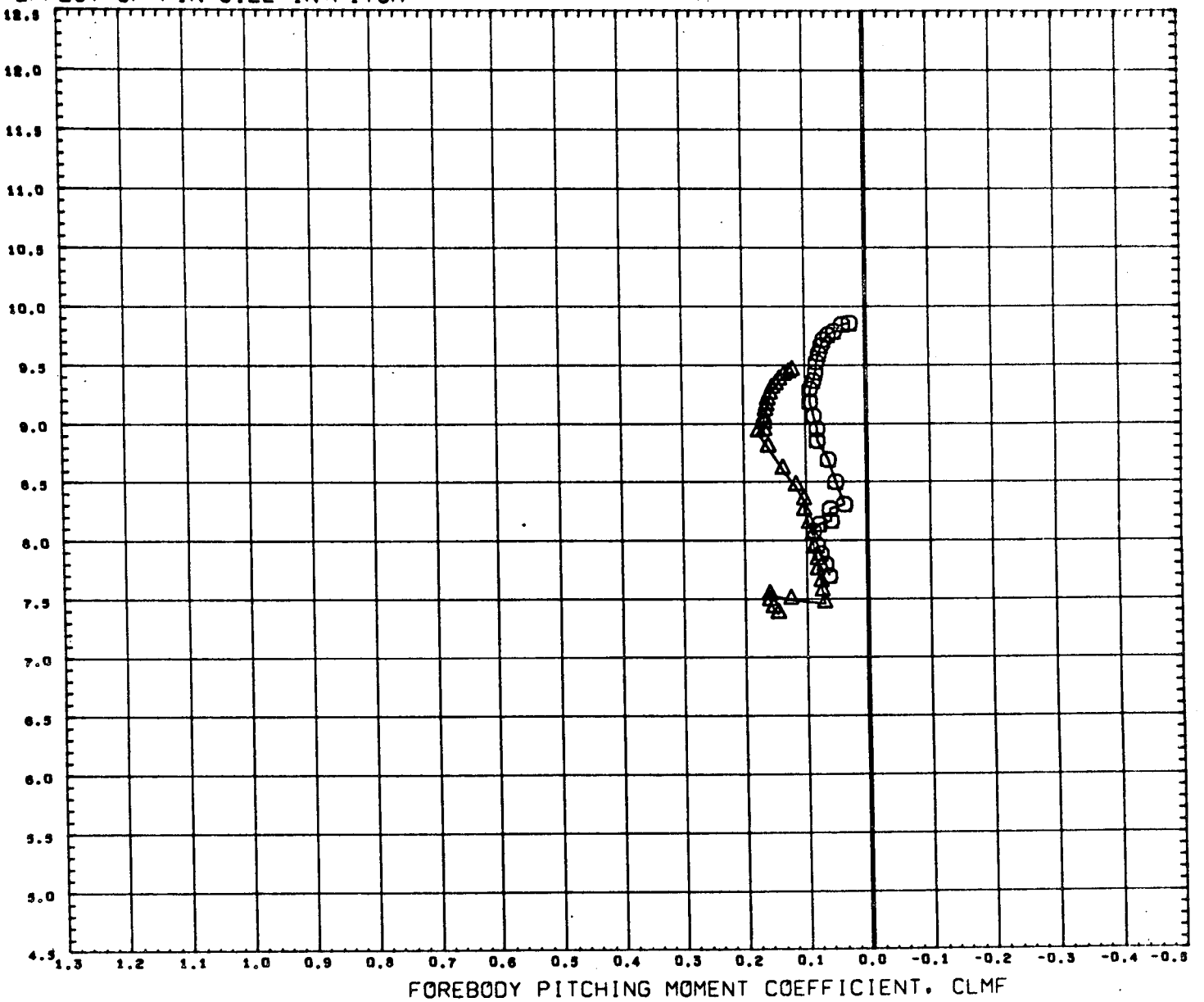
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN PITCH



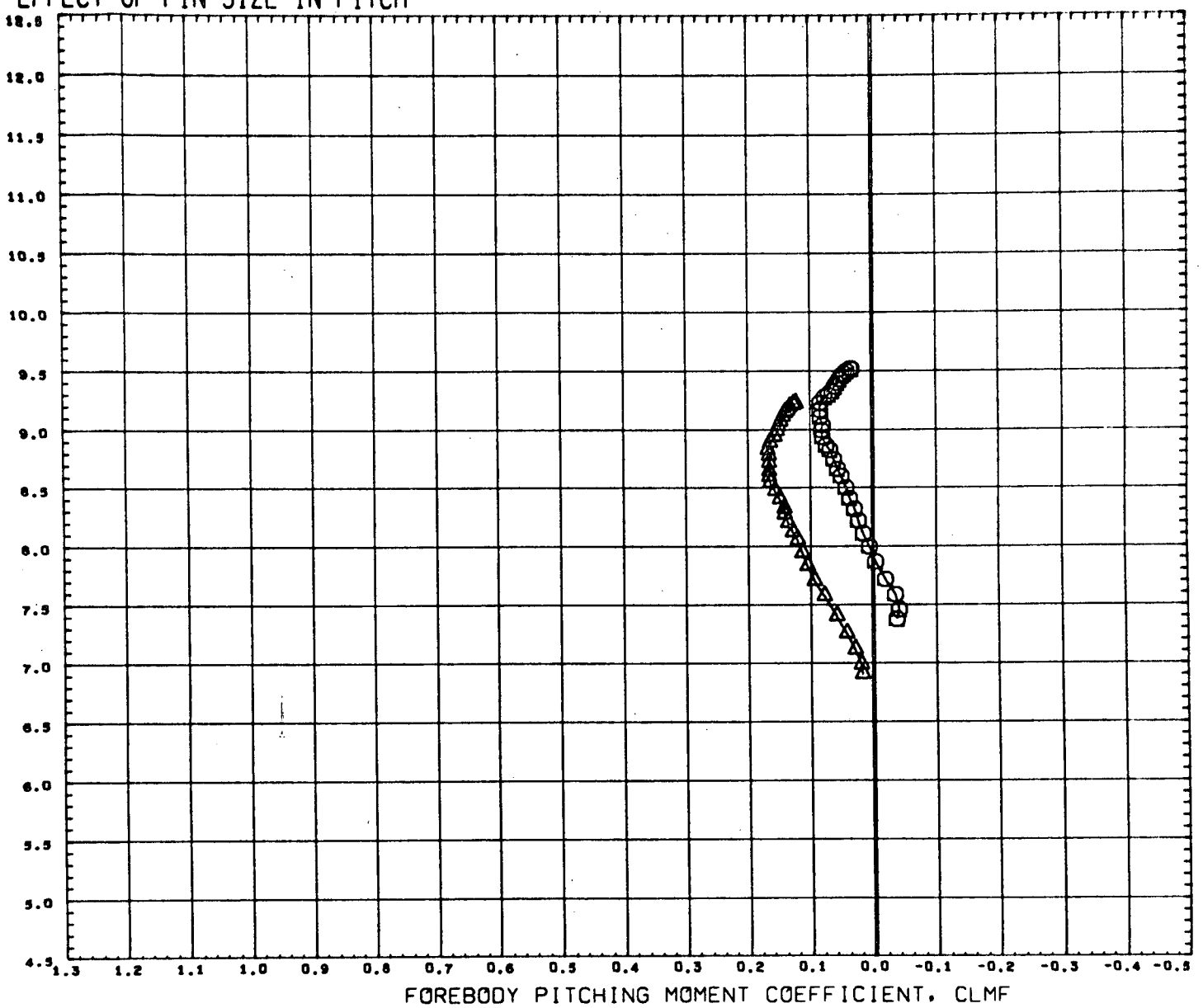
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN PITCH



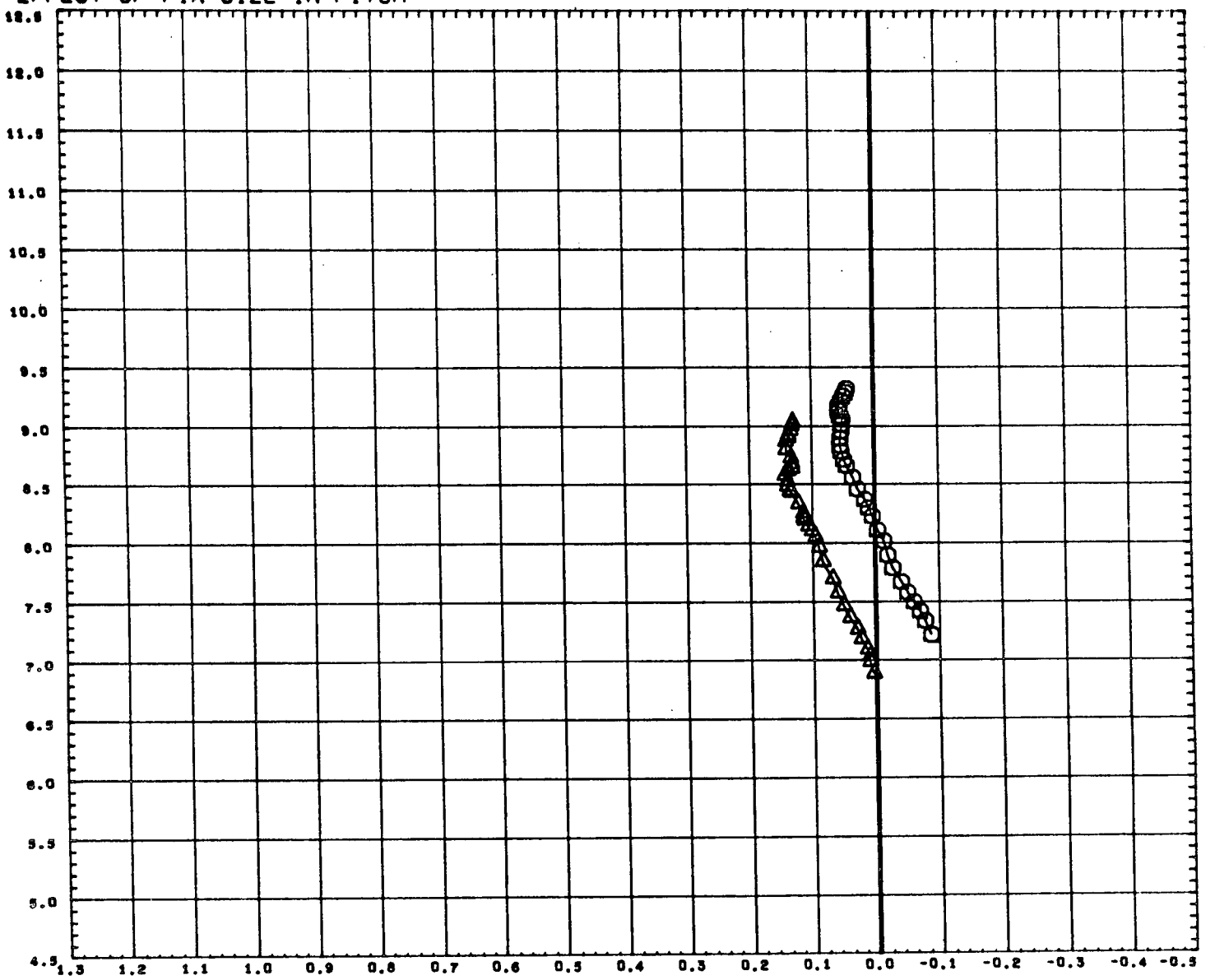
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/8SWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/8SWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN PITCH



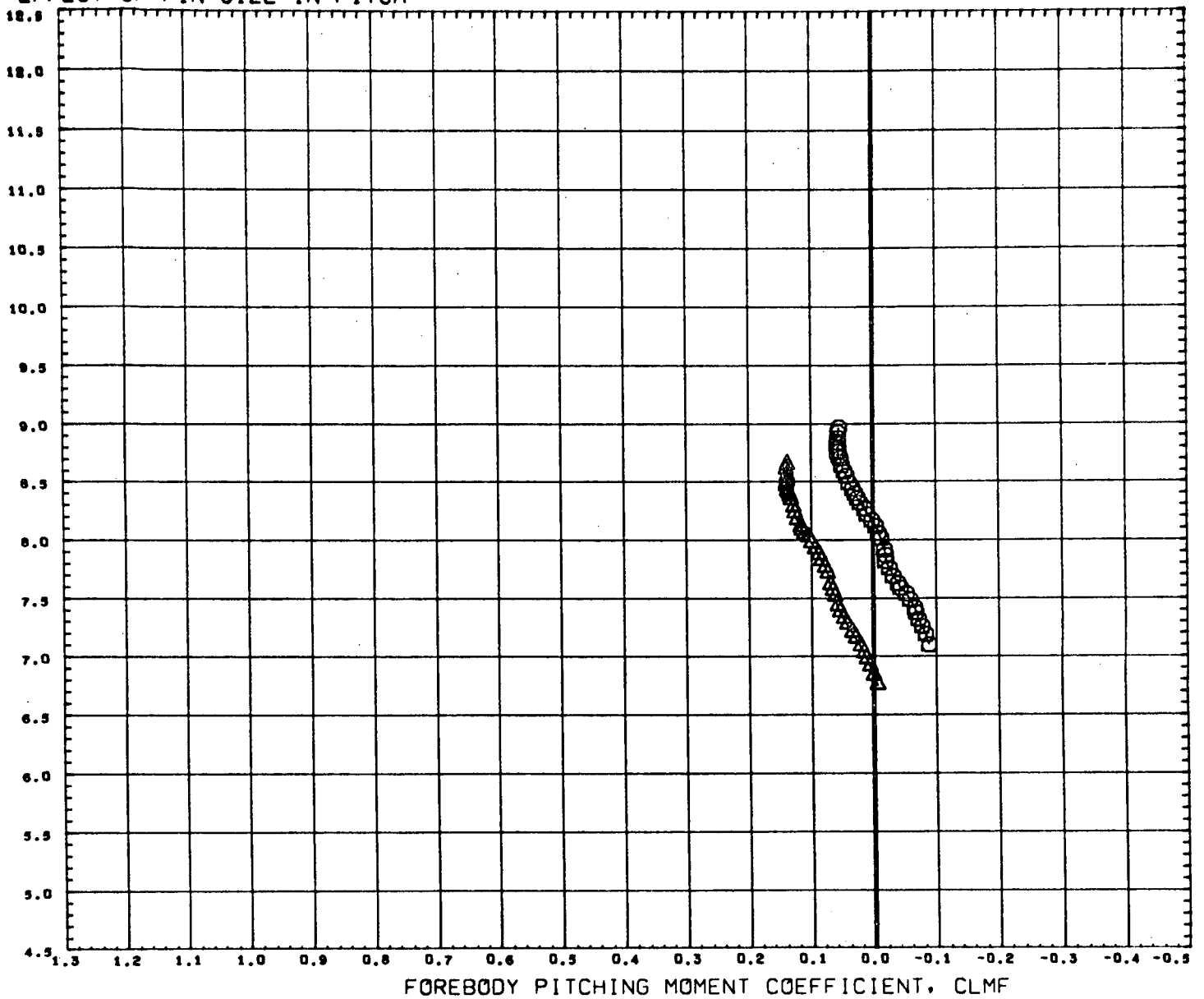
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN PITCH

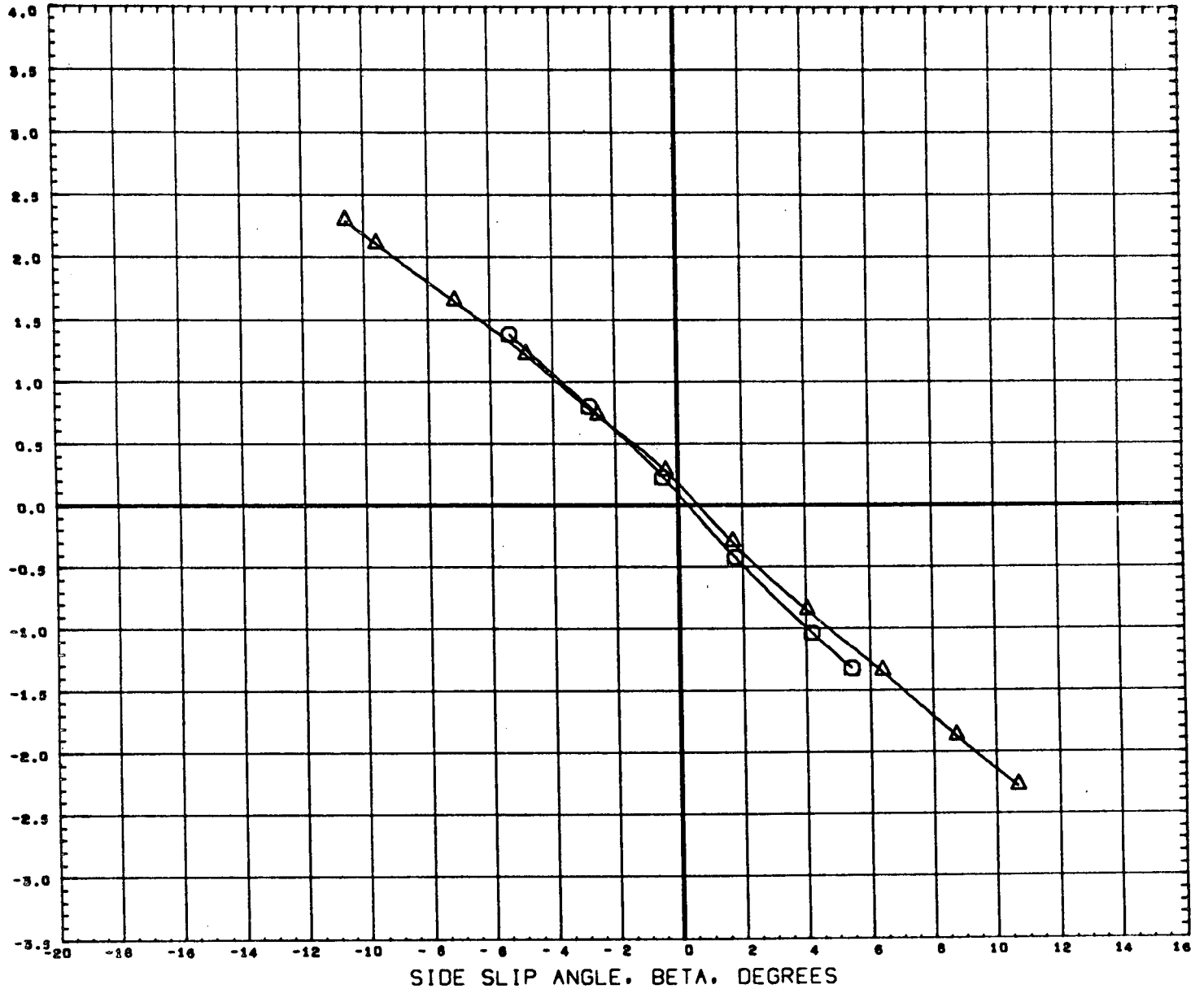


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(AD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4041)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



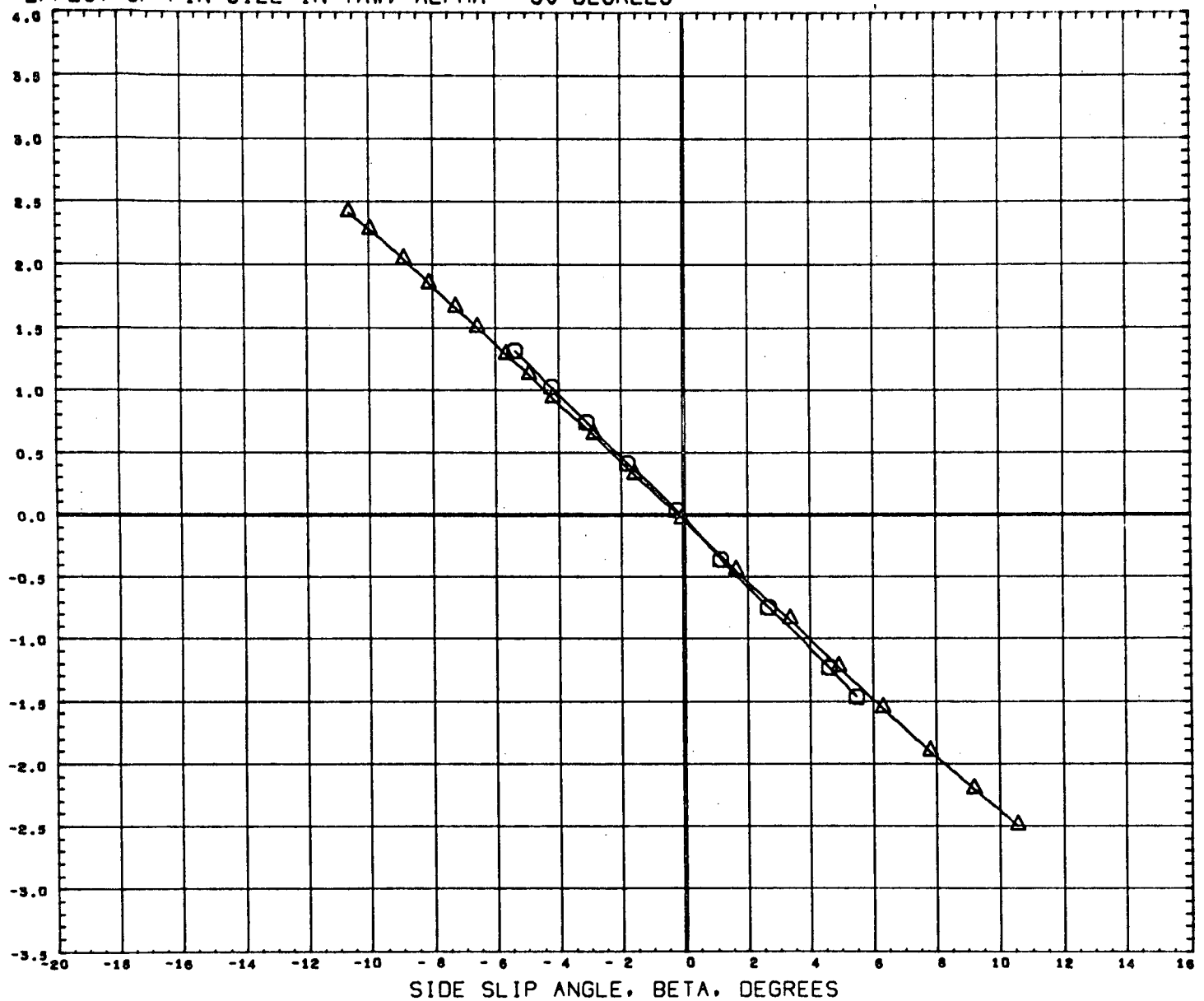
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES

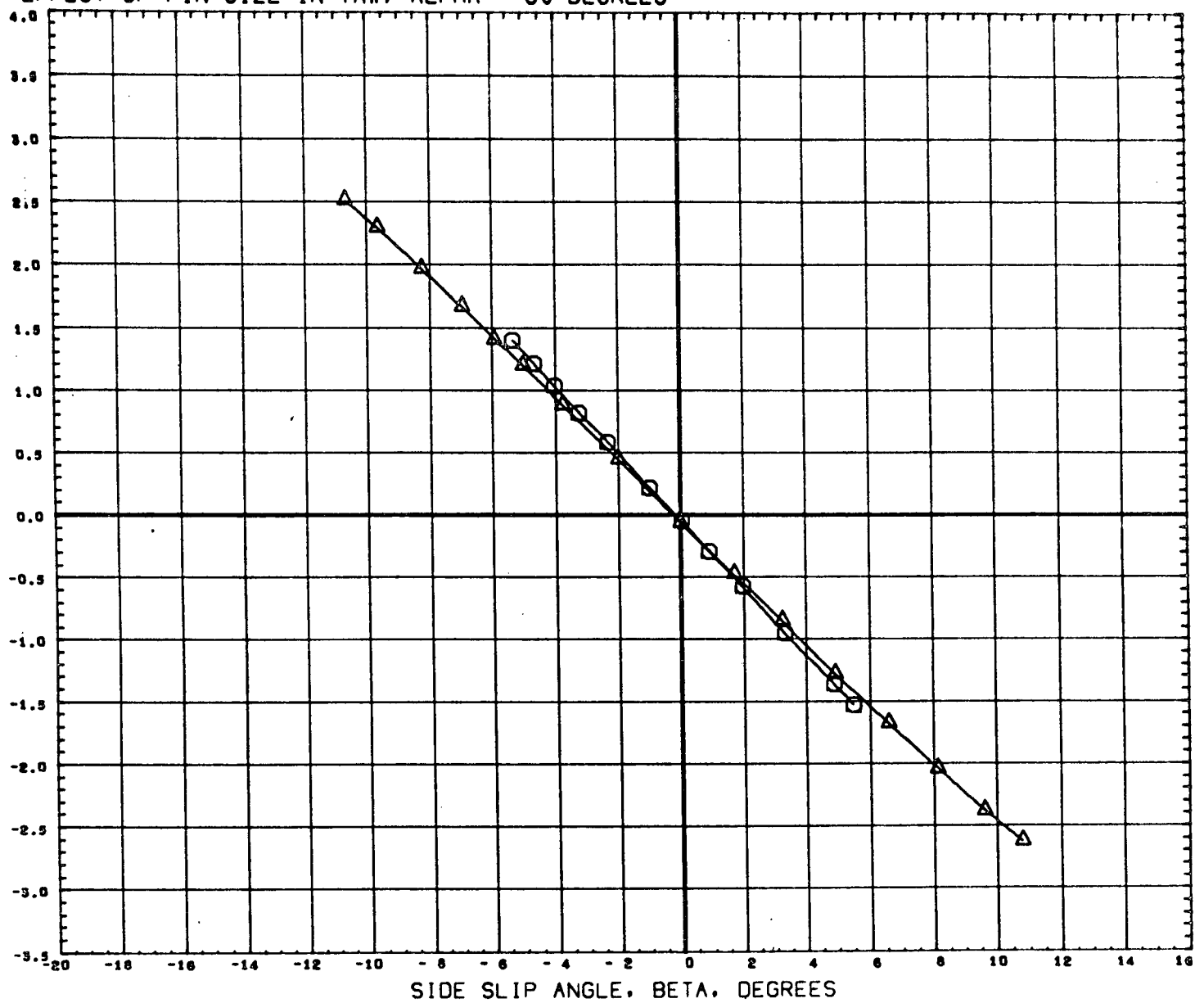


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



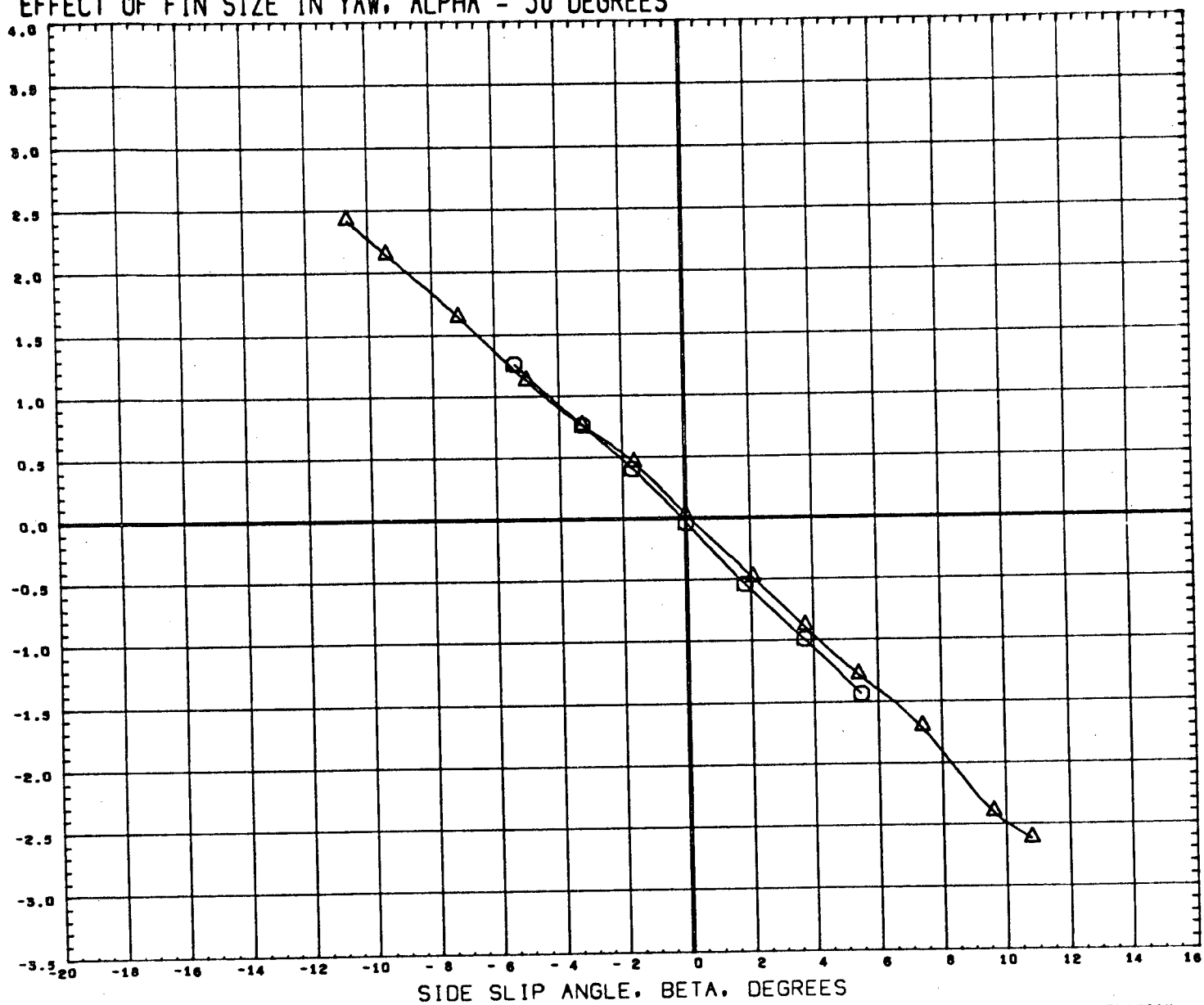
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



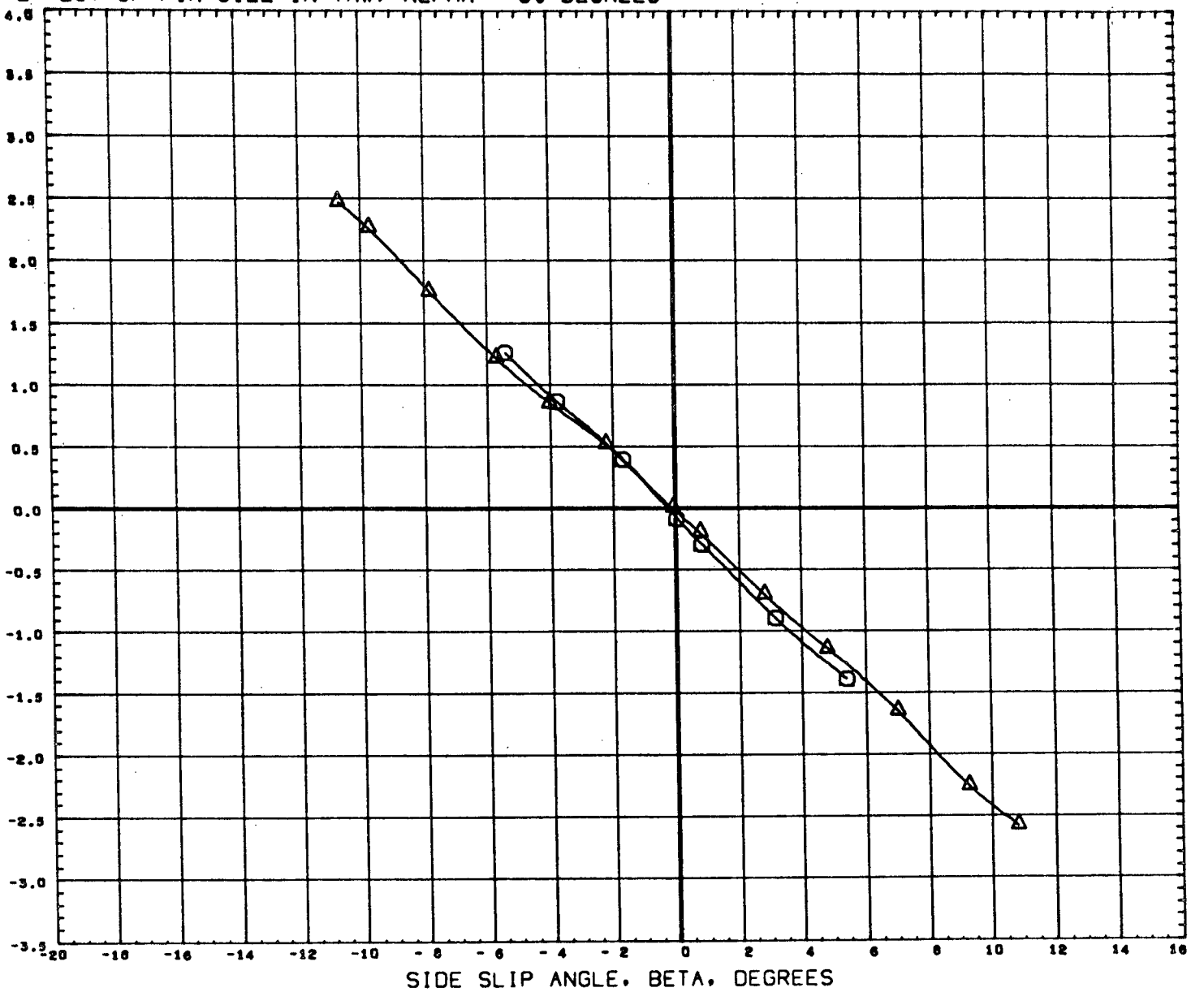
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



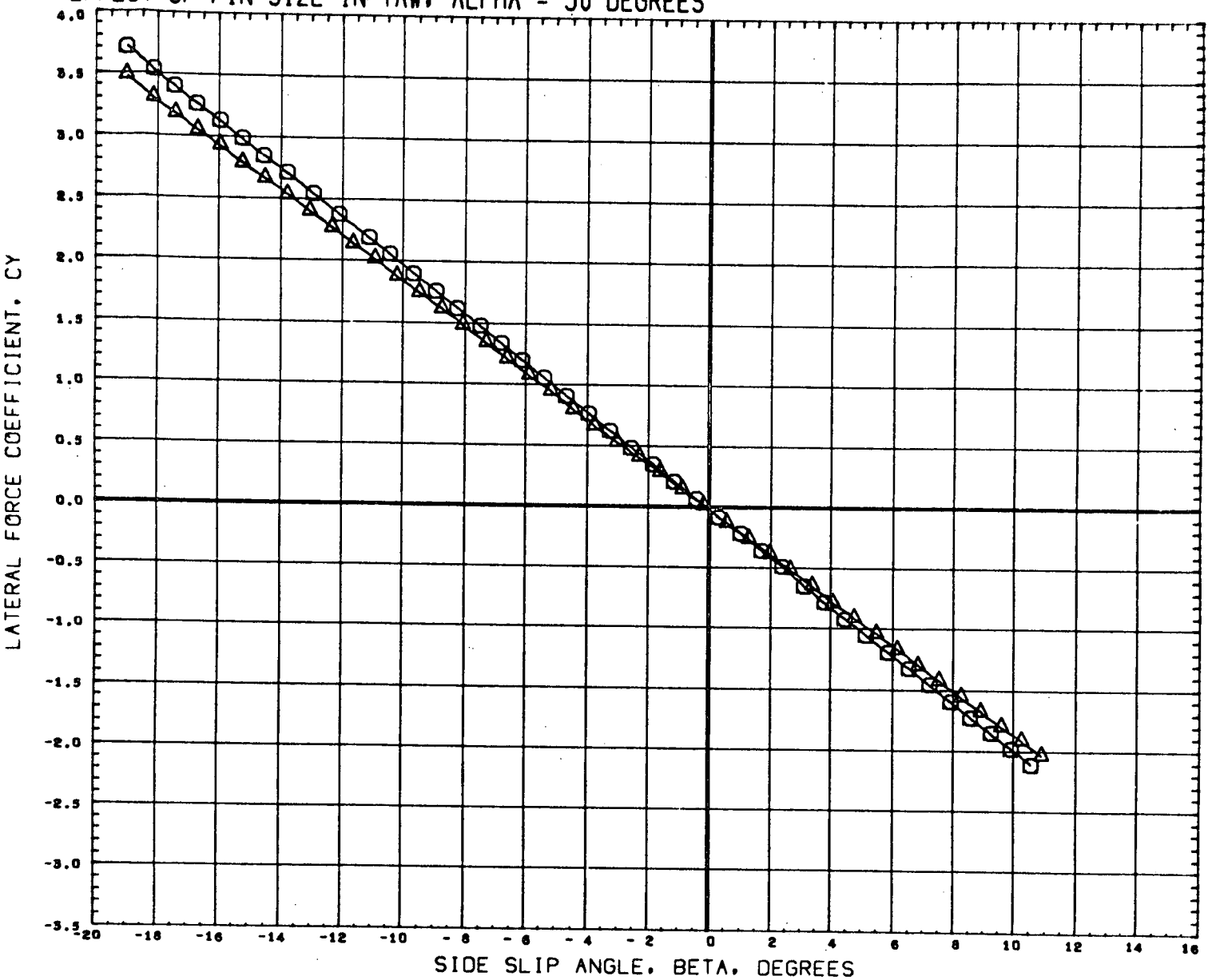
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



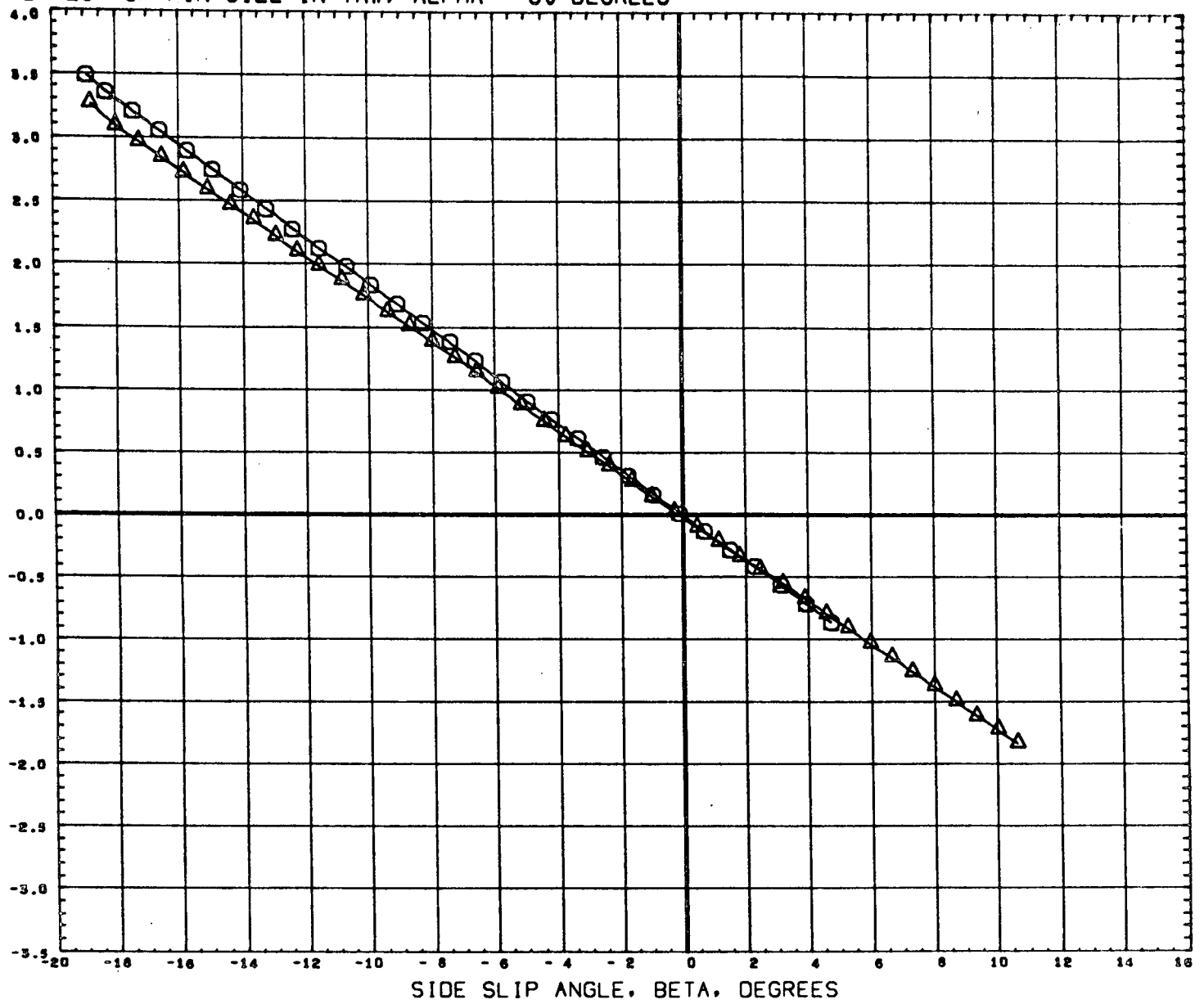
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES

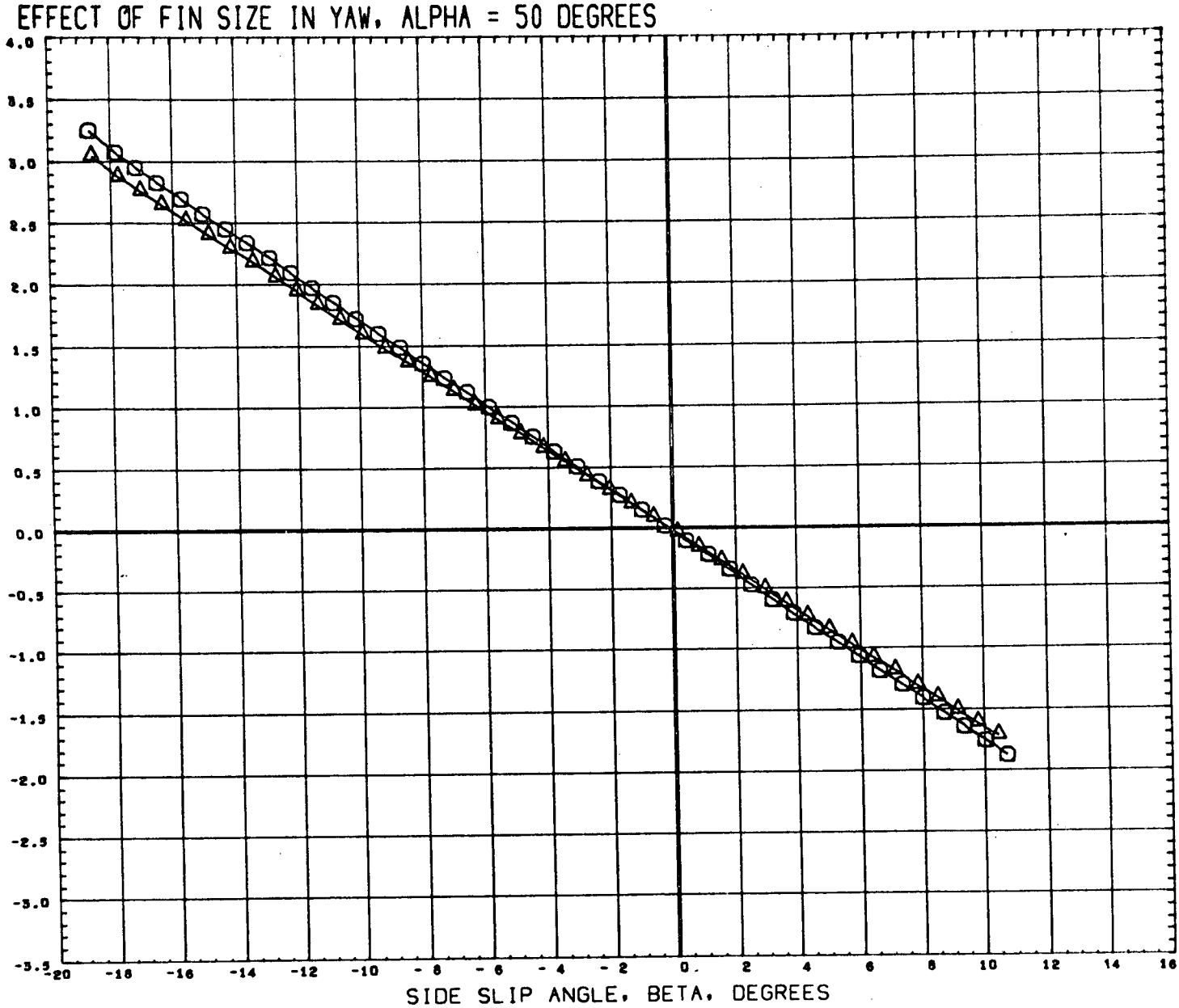


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



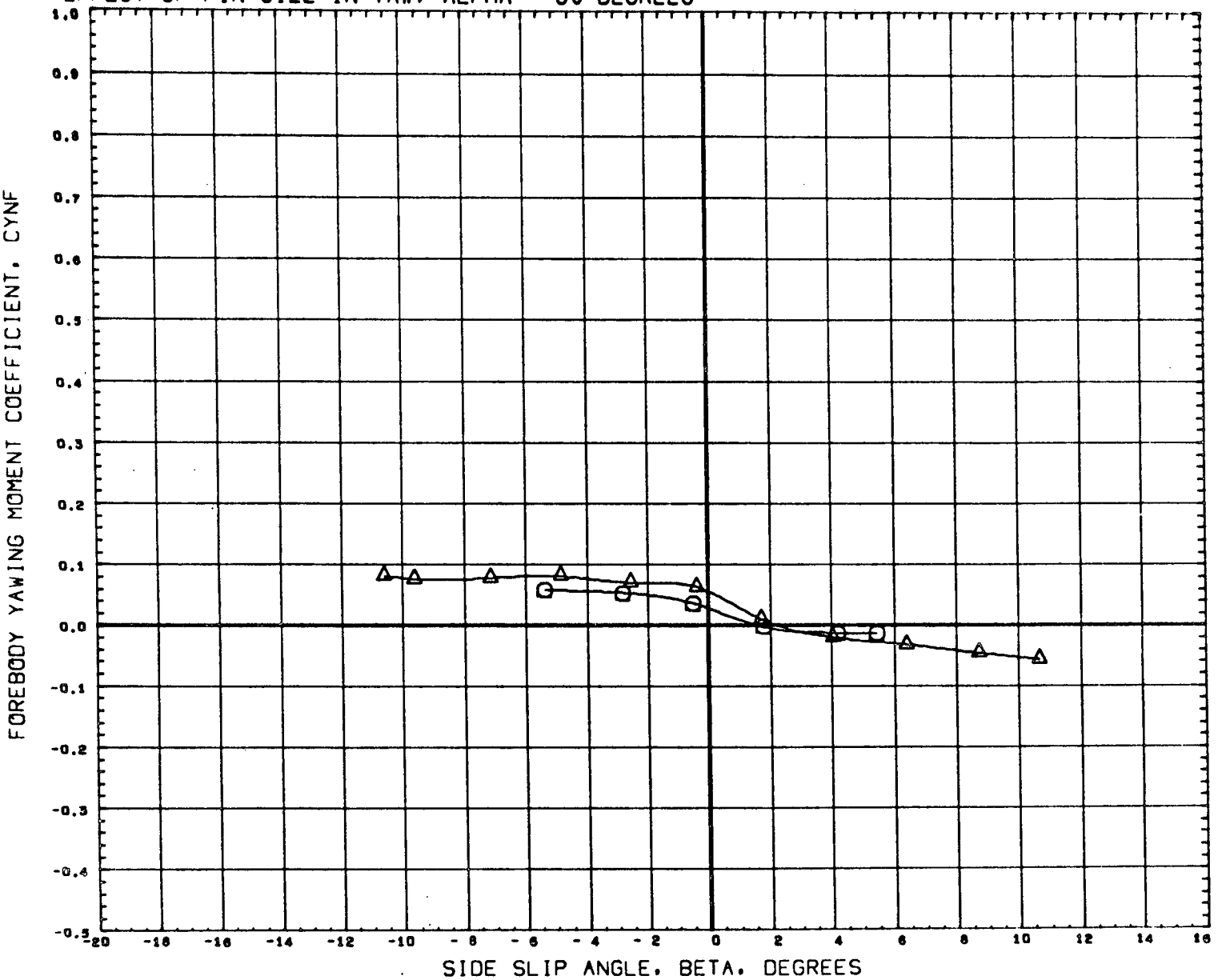
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



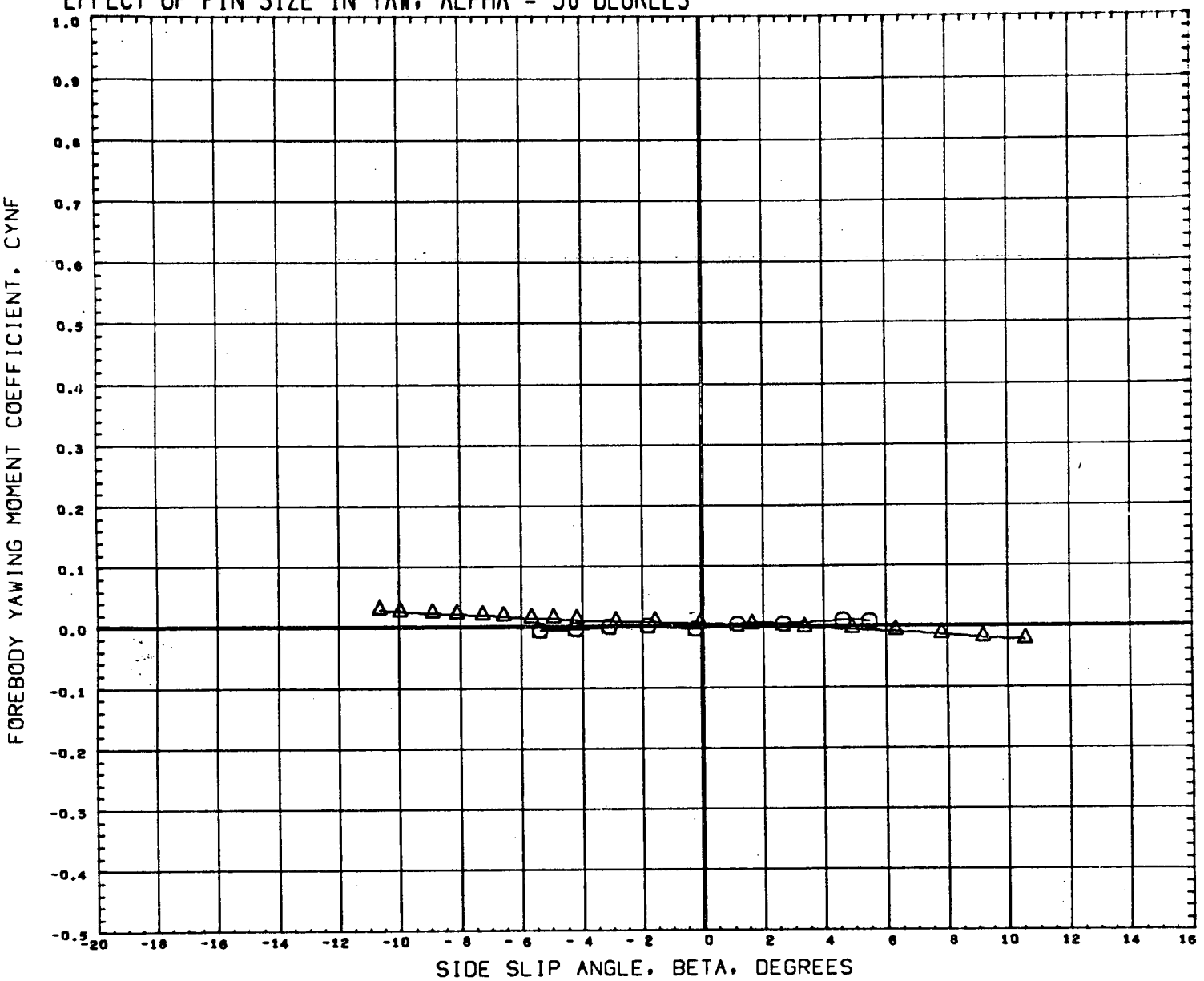
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



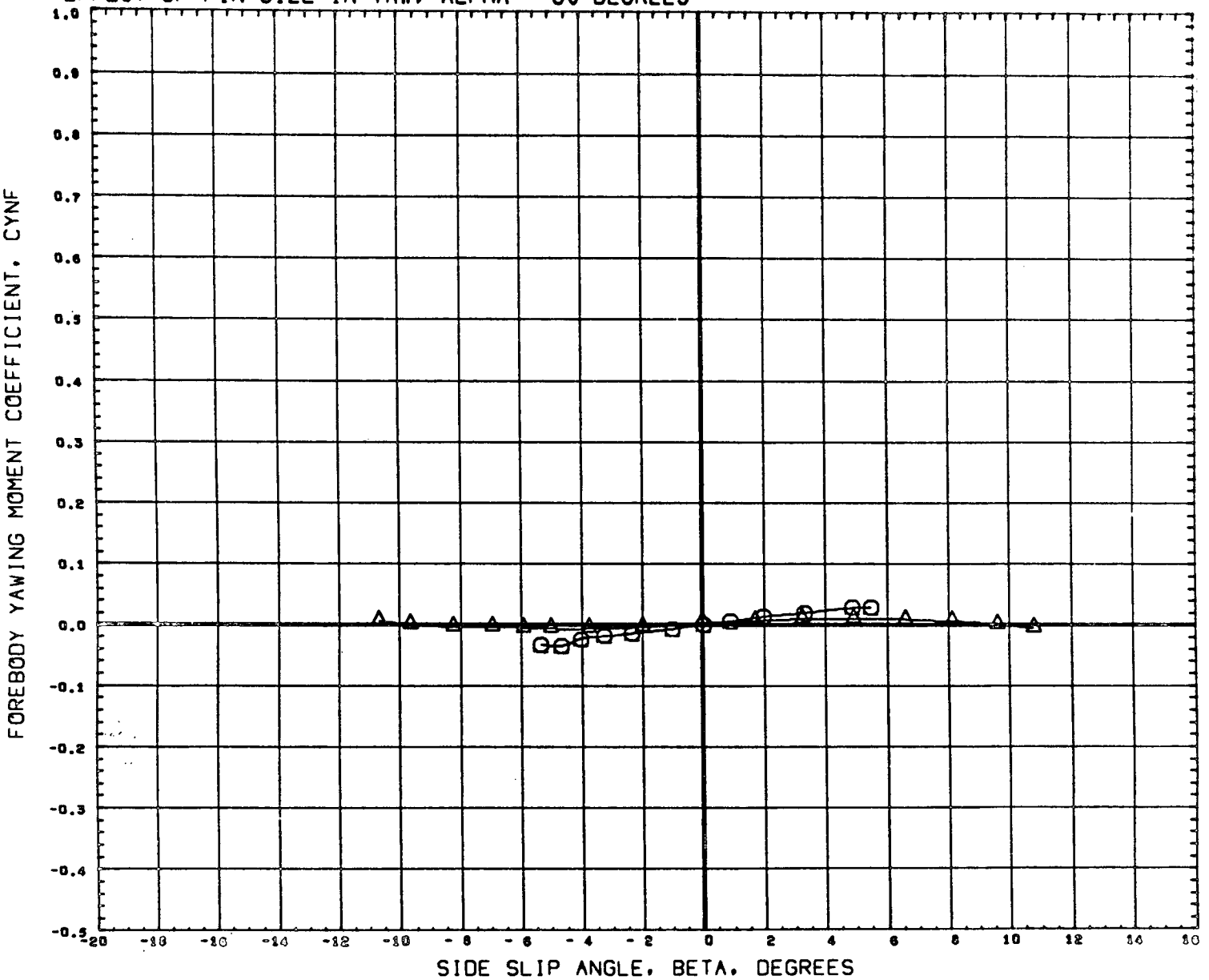
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



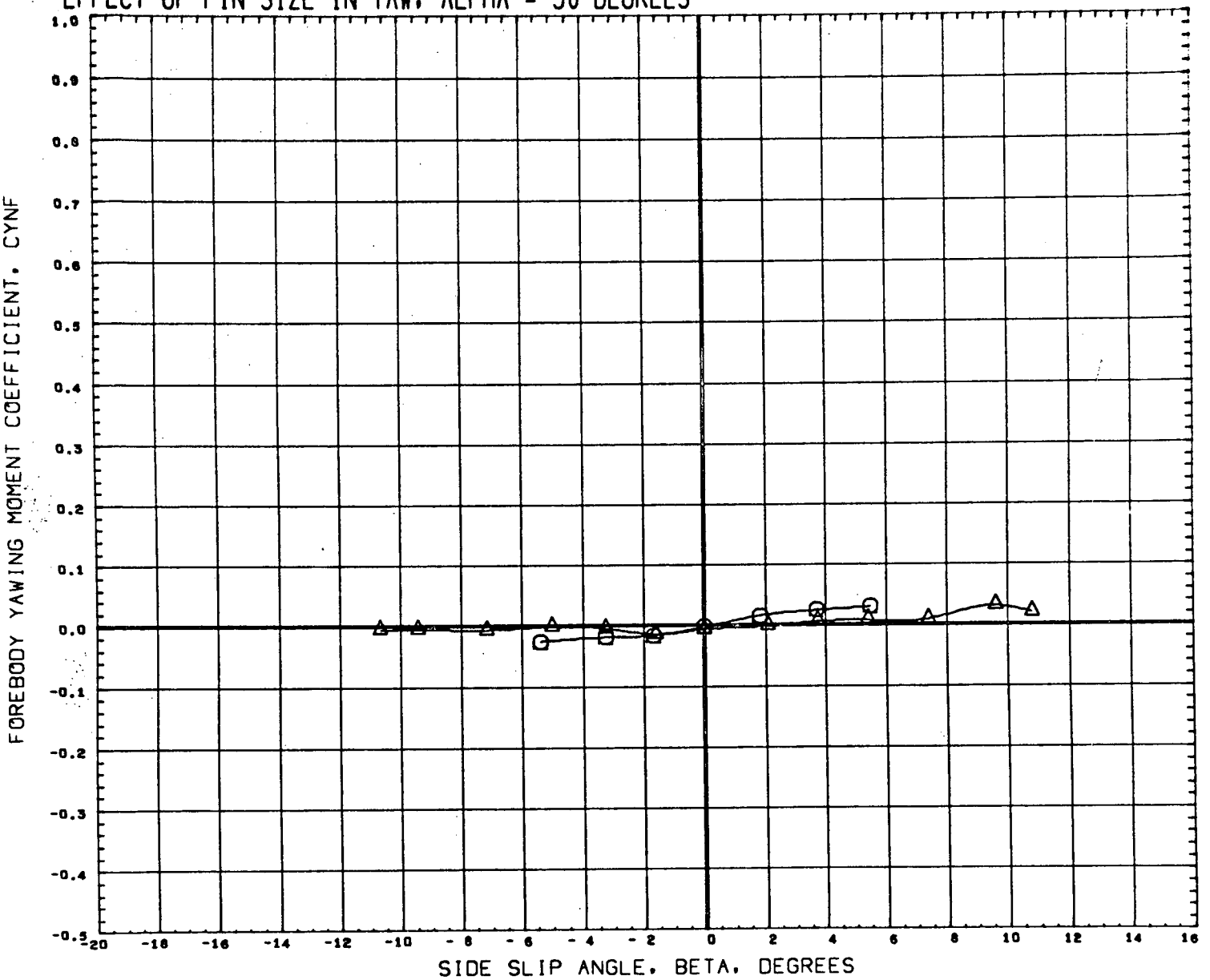
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



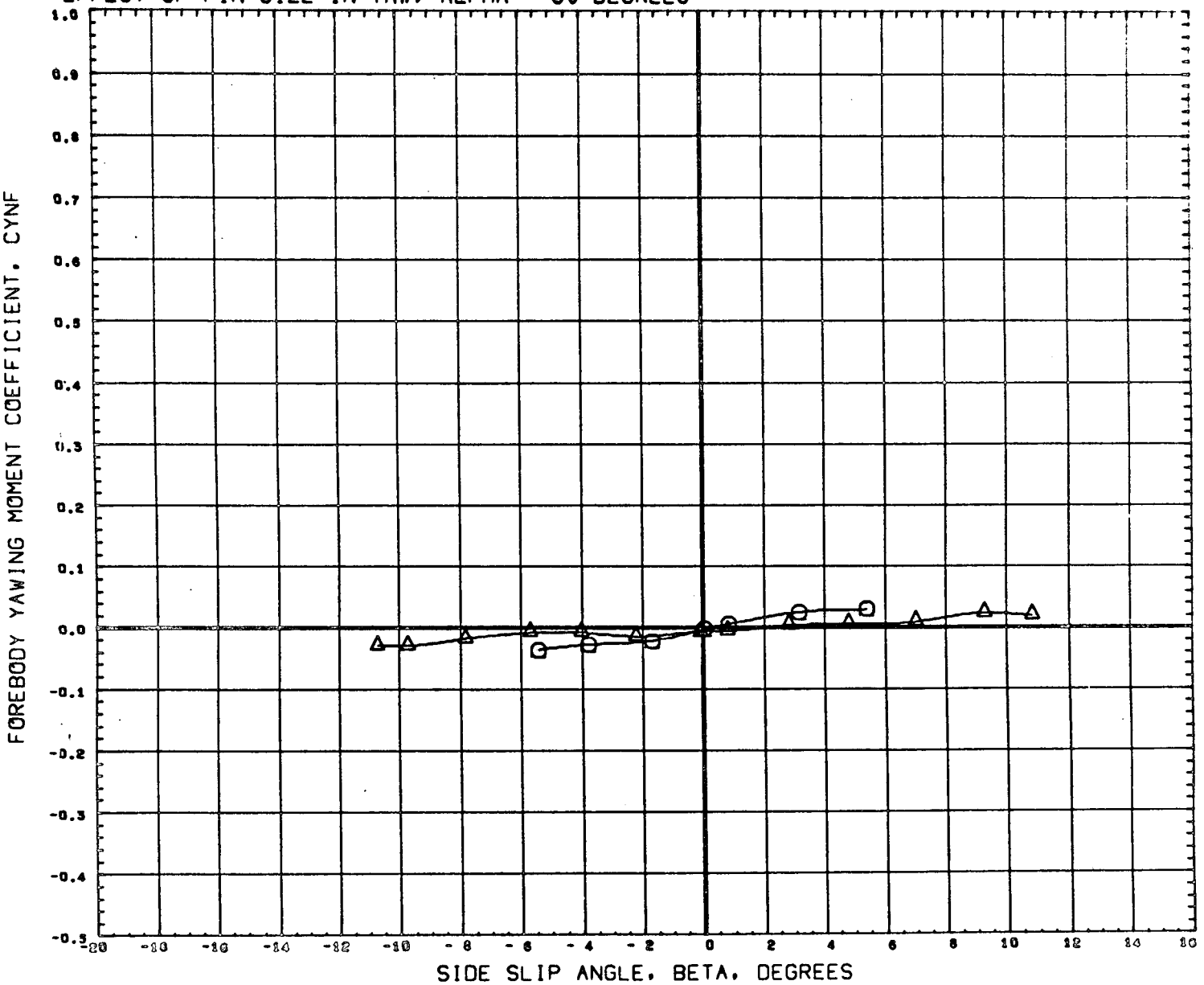
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1		50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2		50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



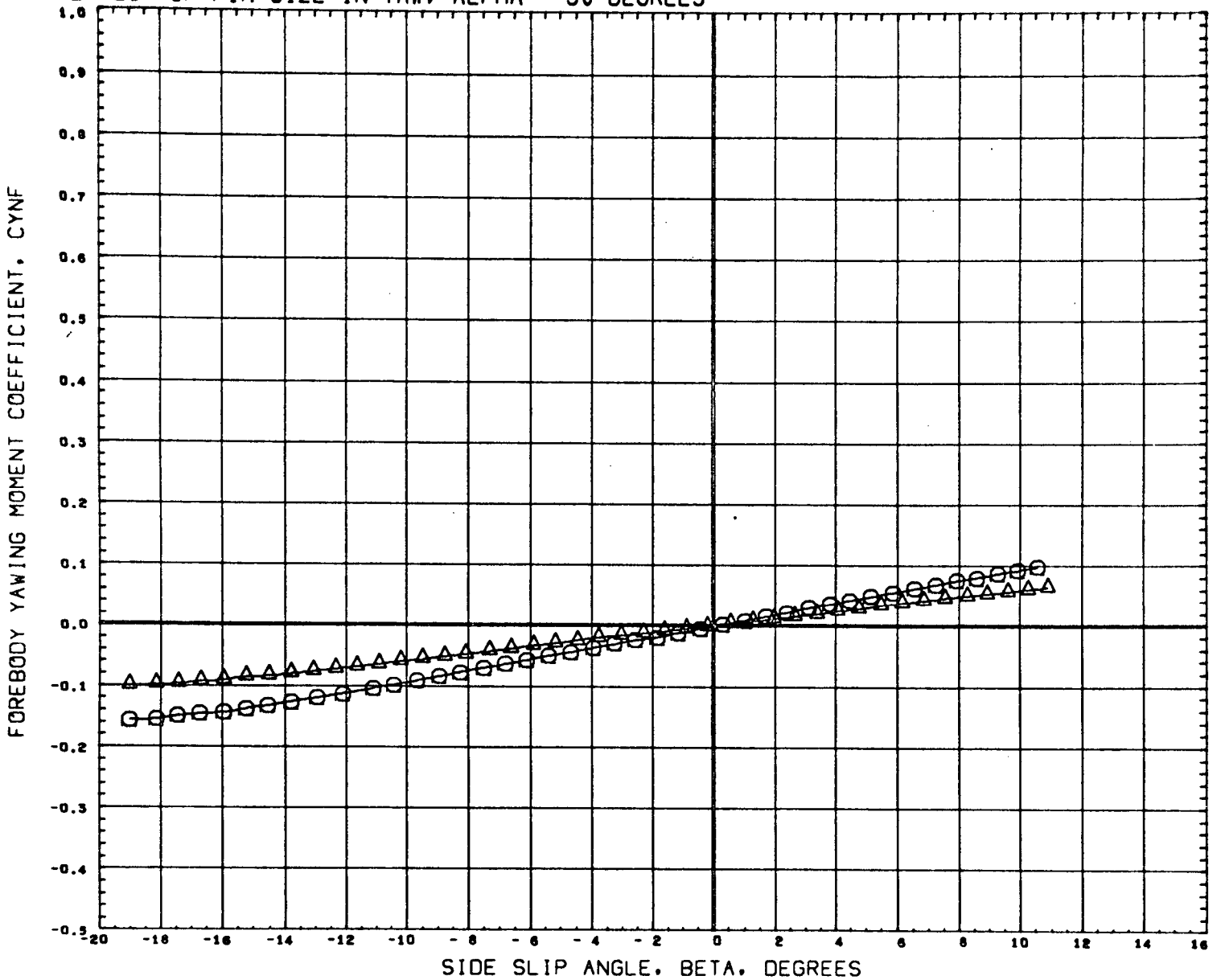
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 993 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 993 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES

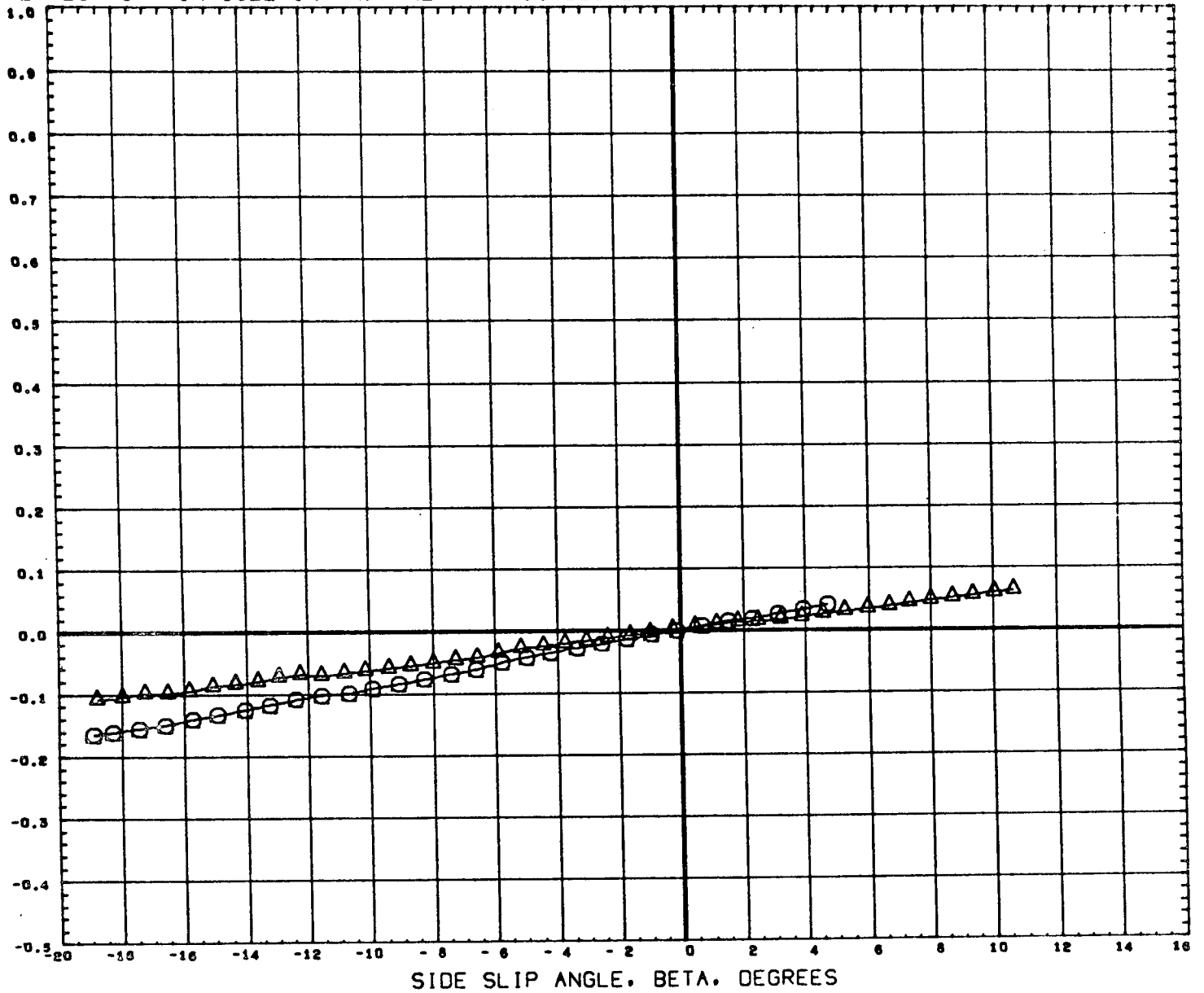


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



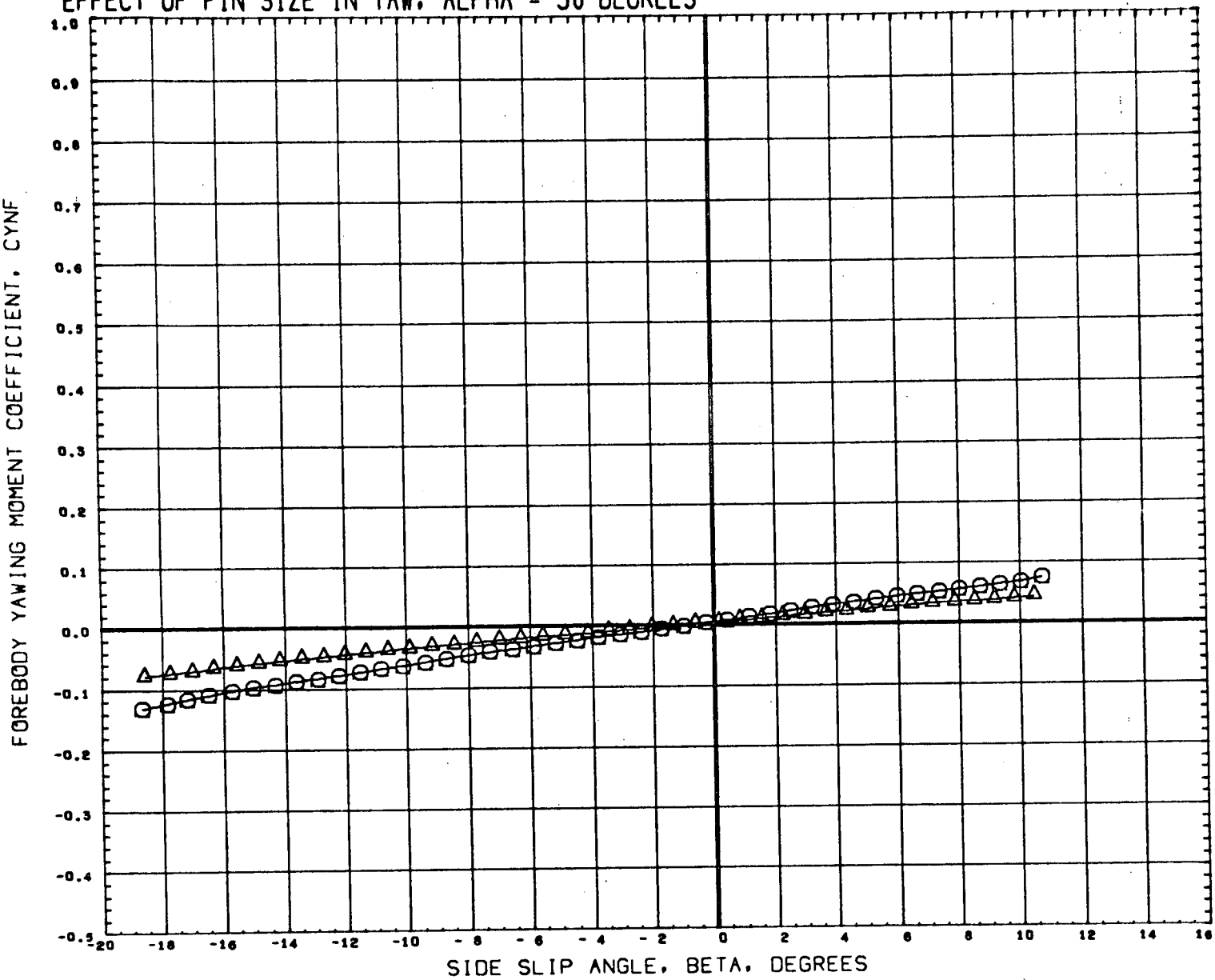
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



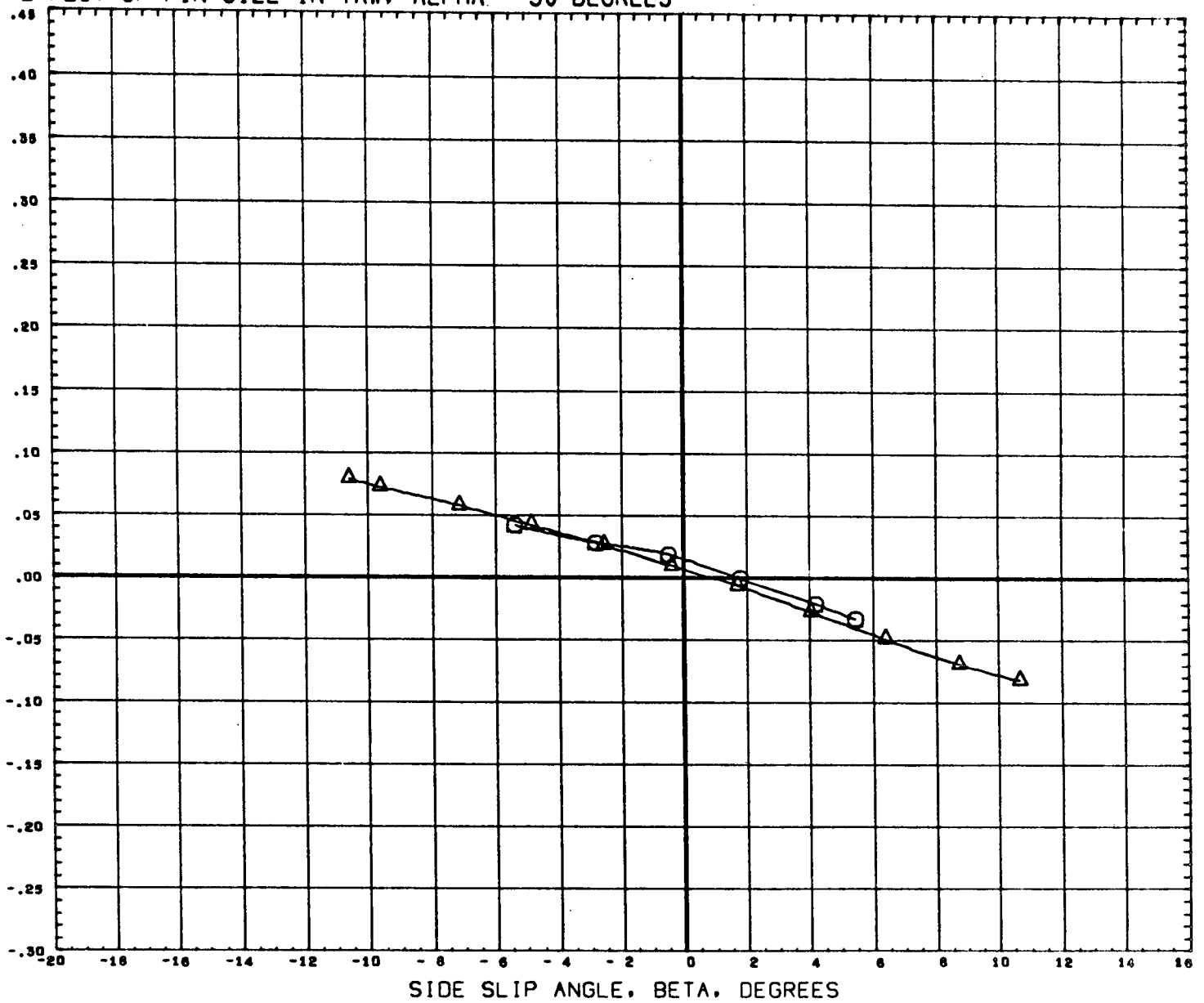
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES

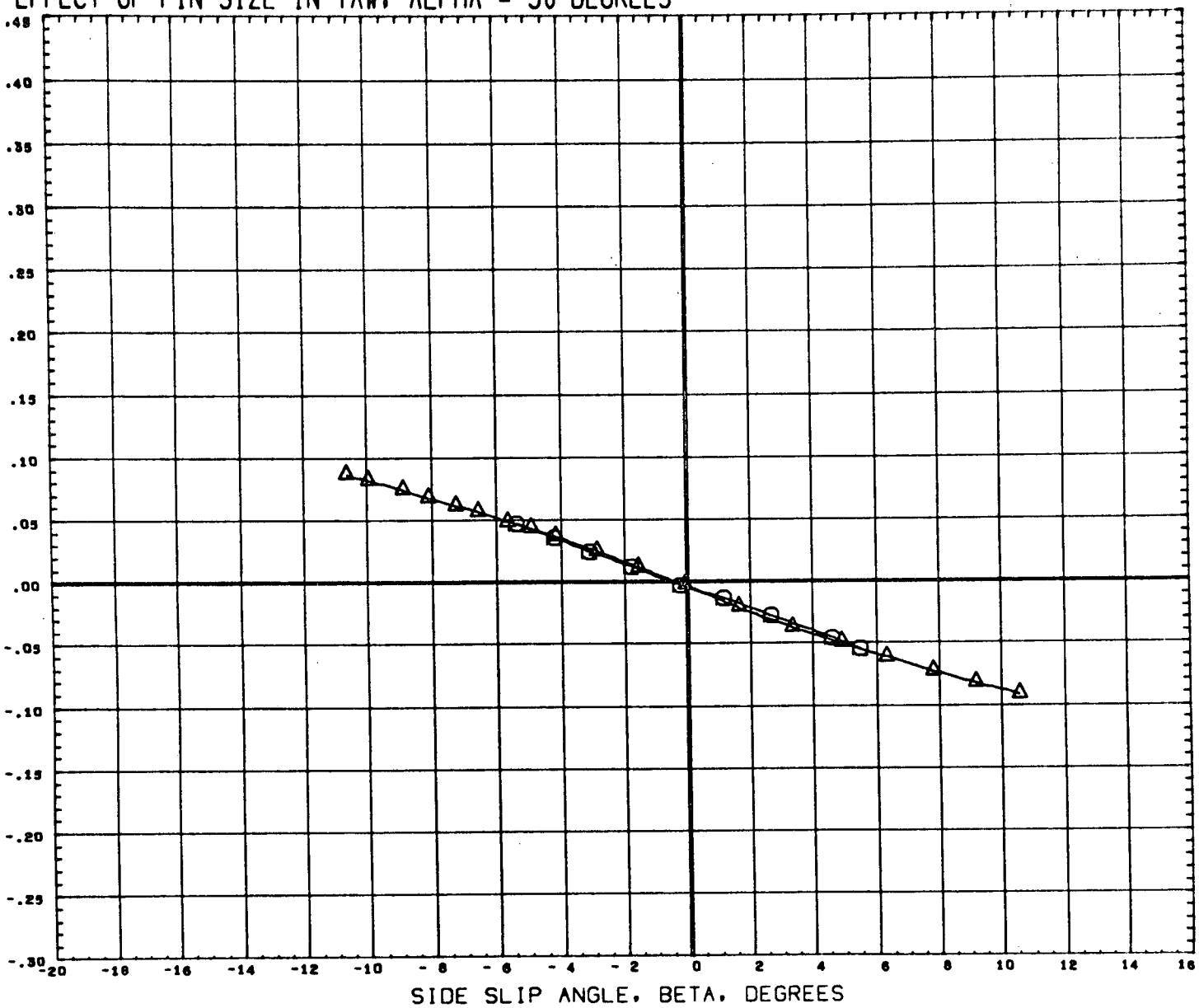


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



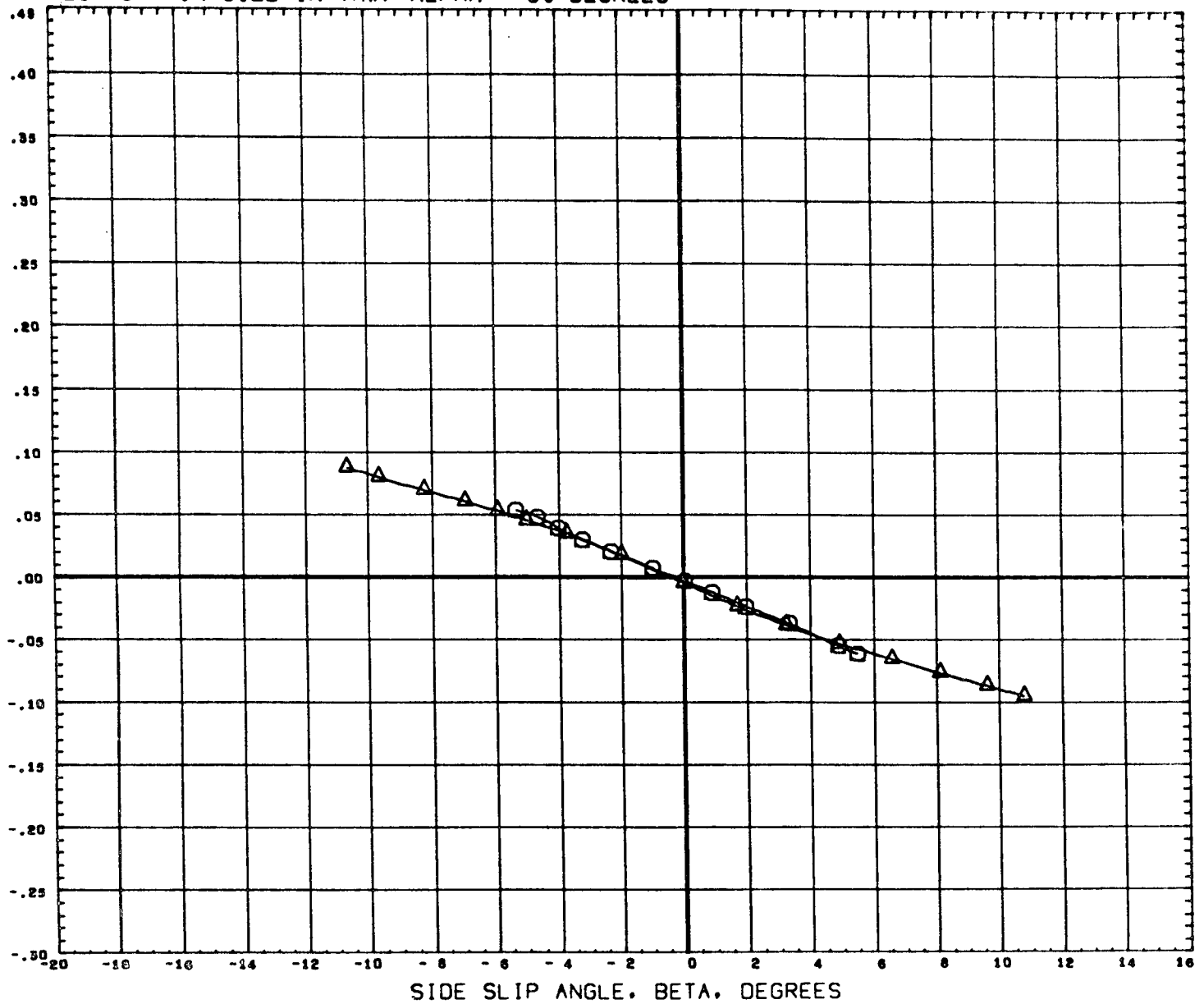
DATA SET SYMBOL		CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



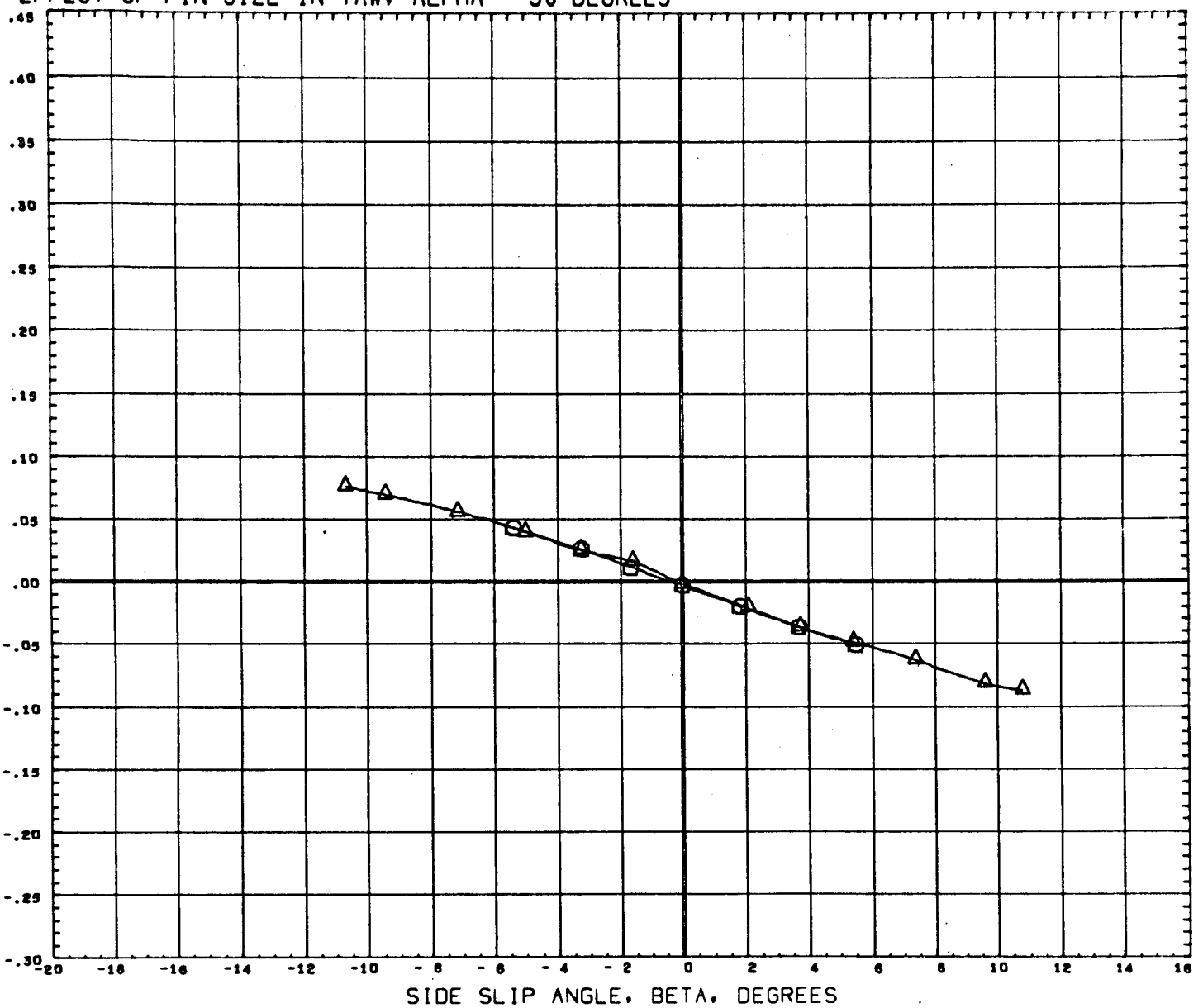
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



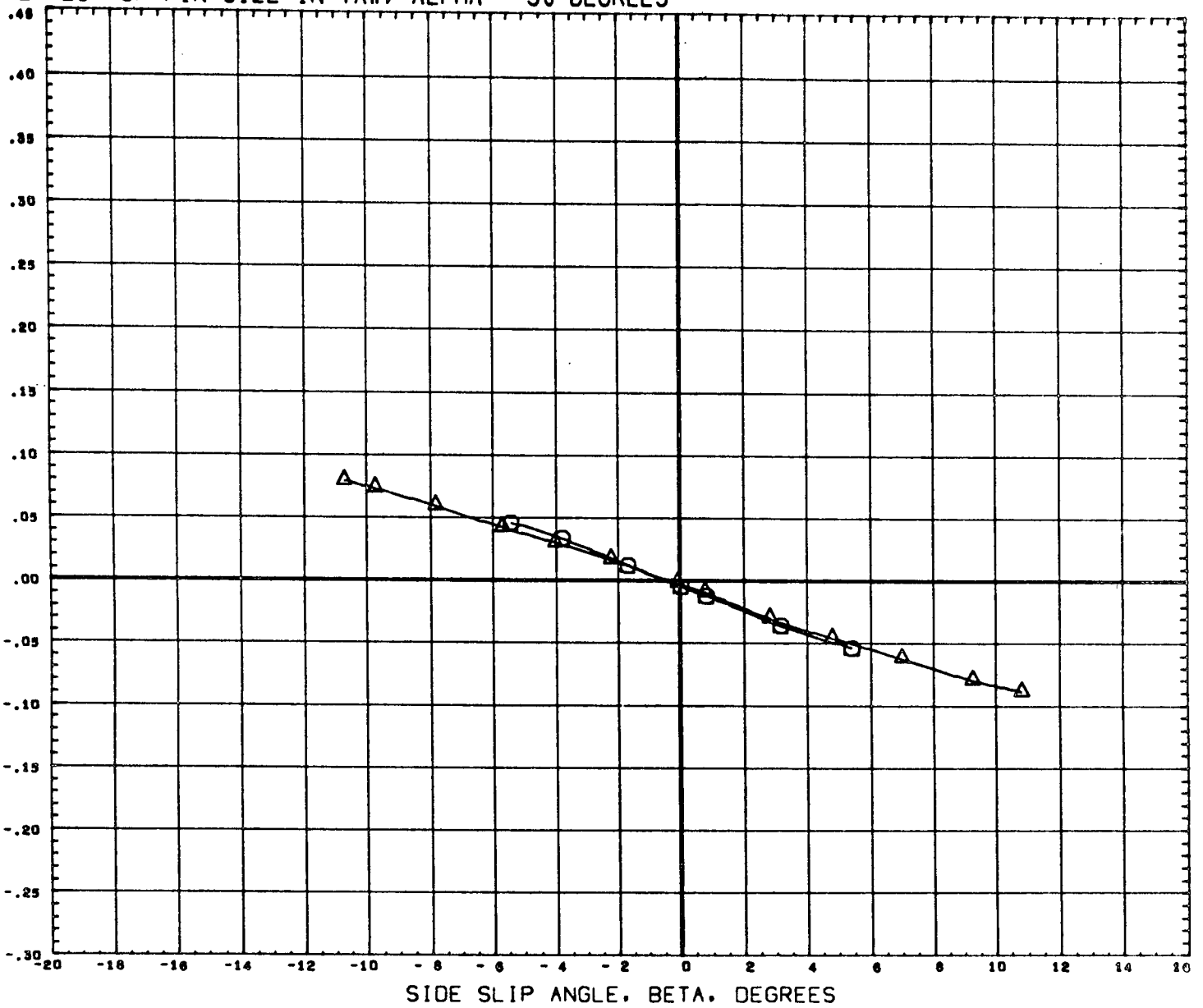
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



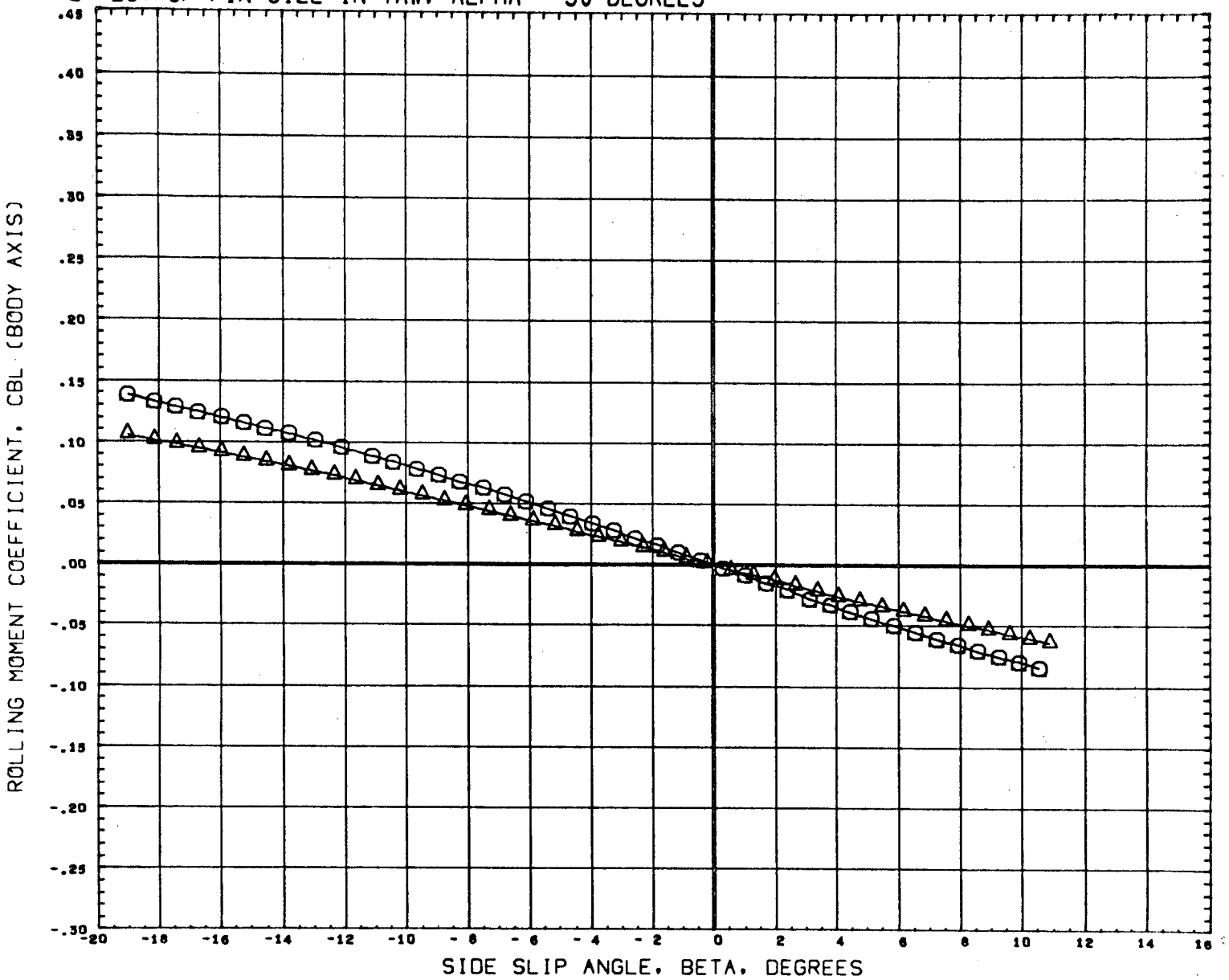
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



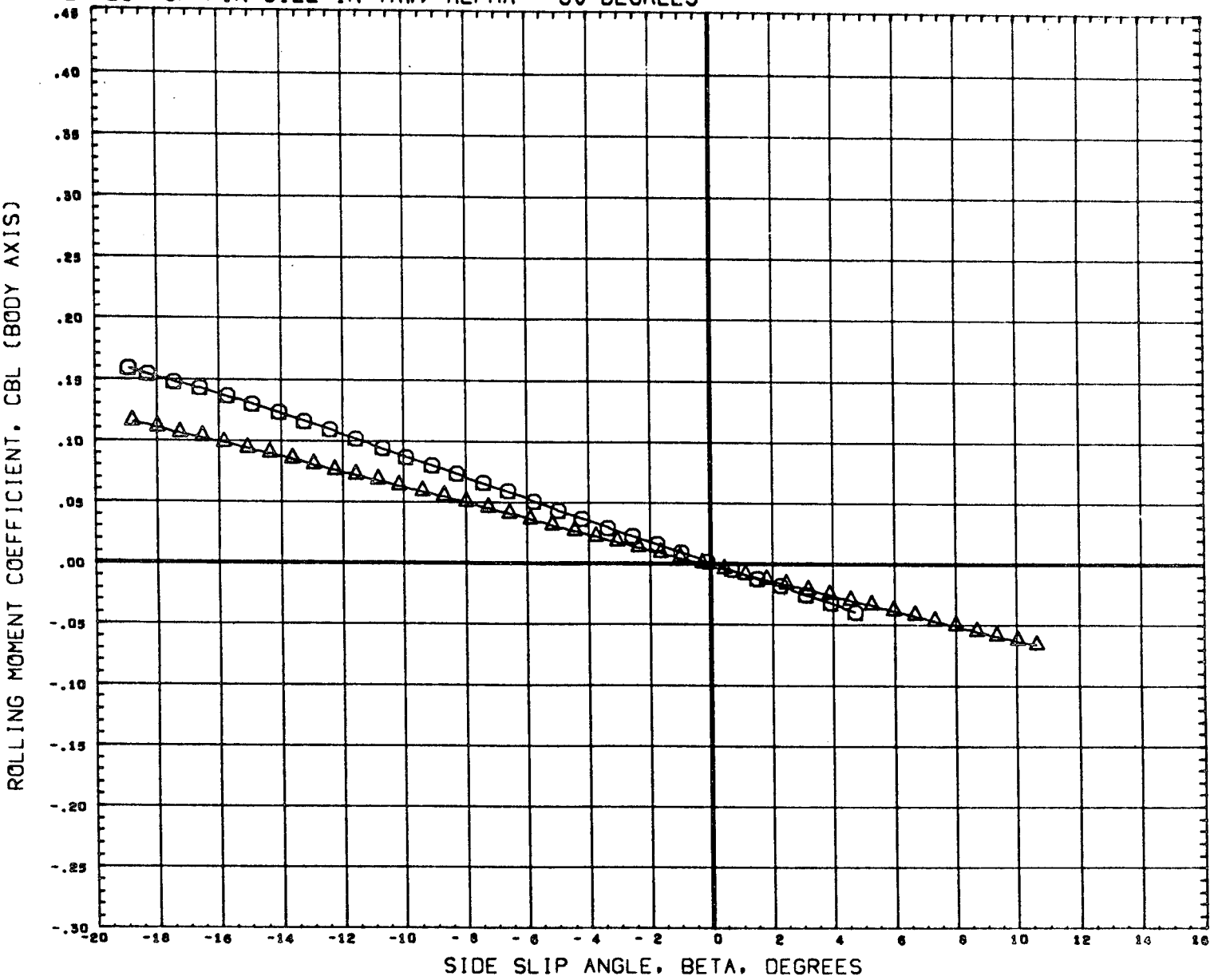
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



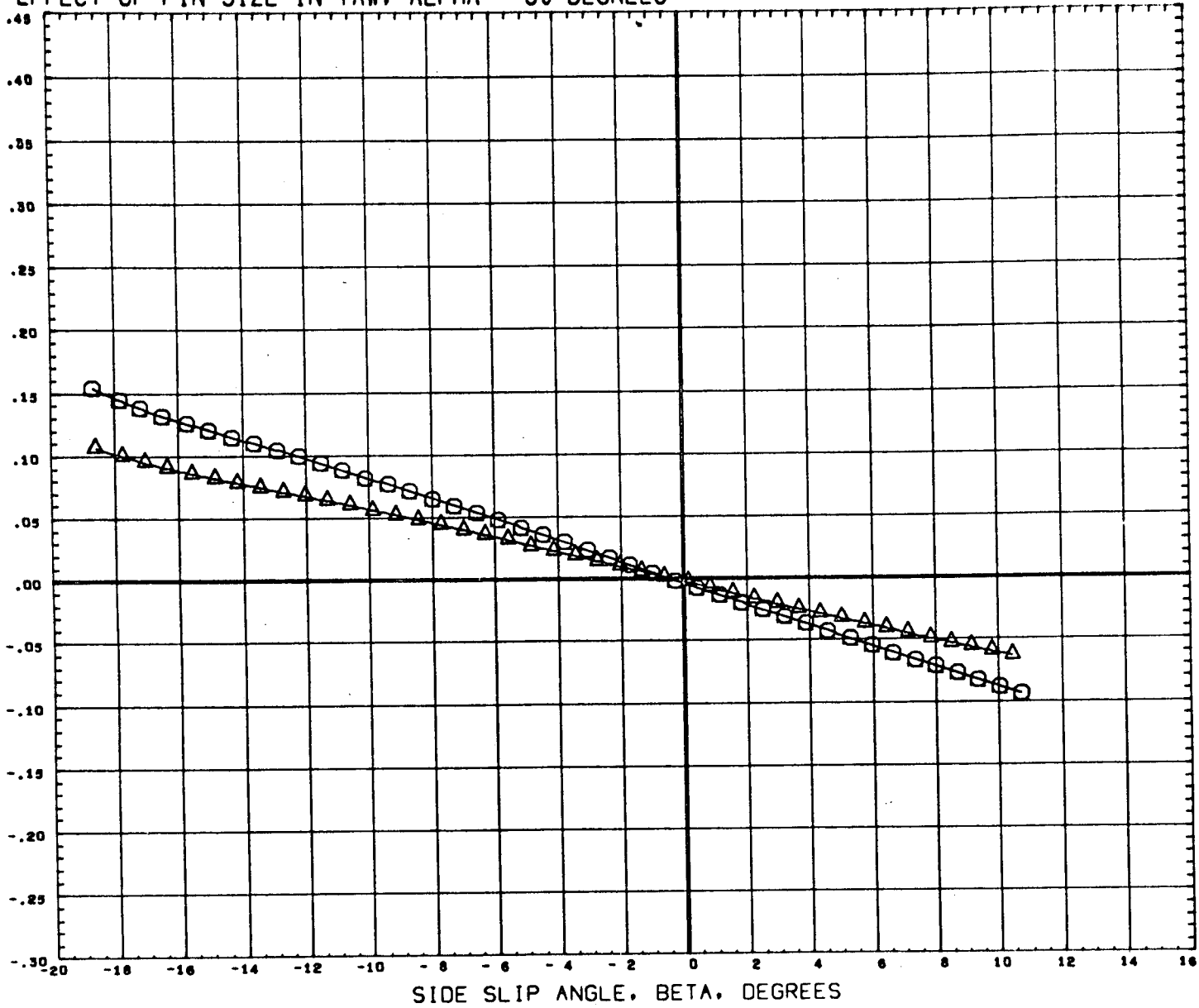
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



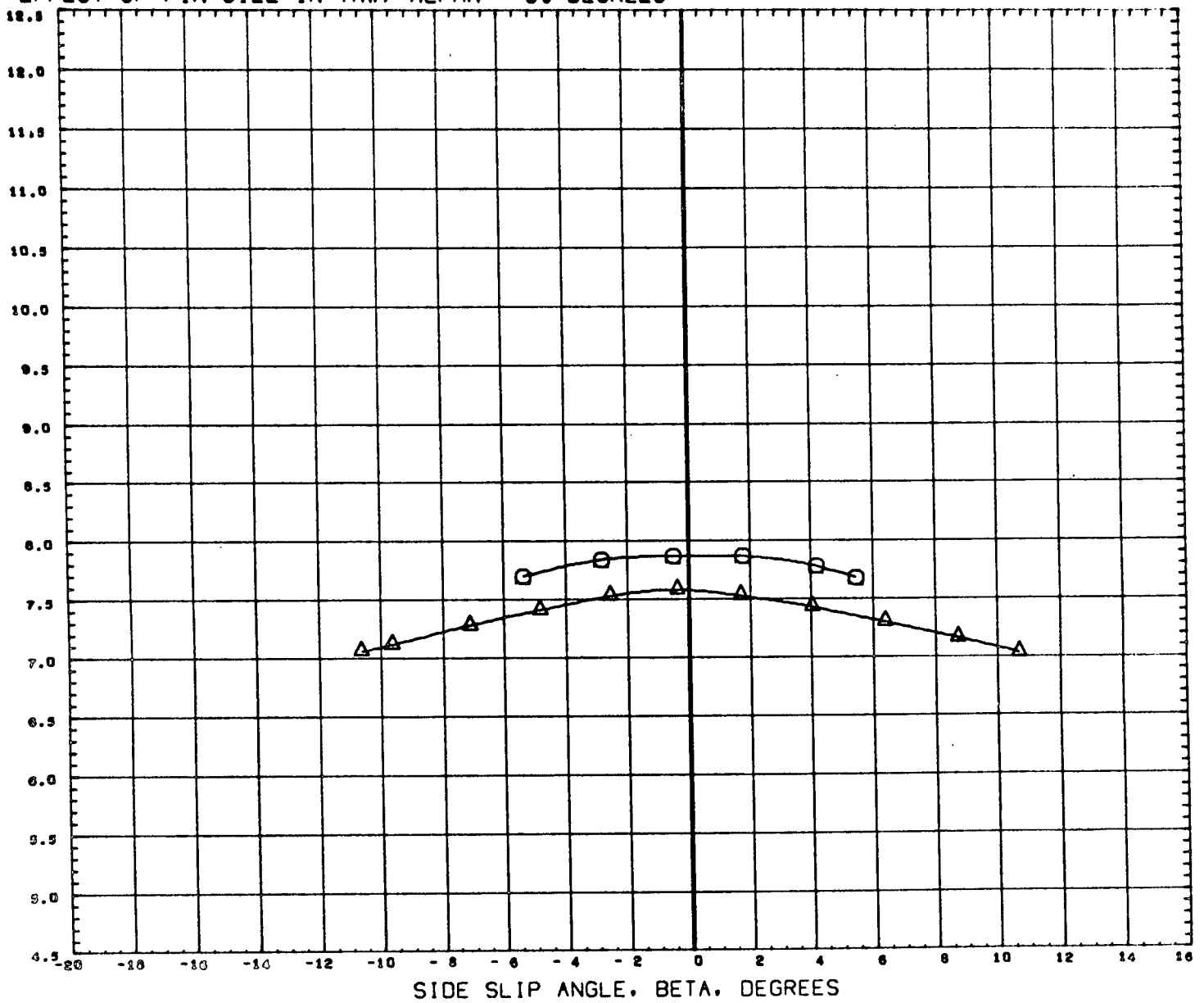
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



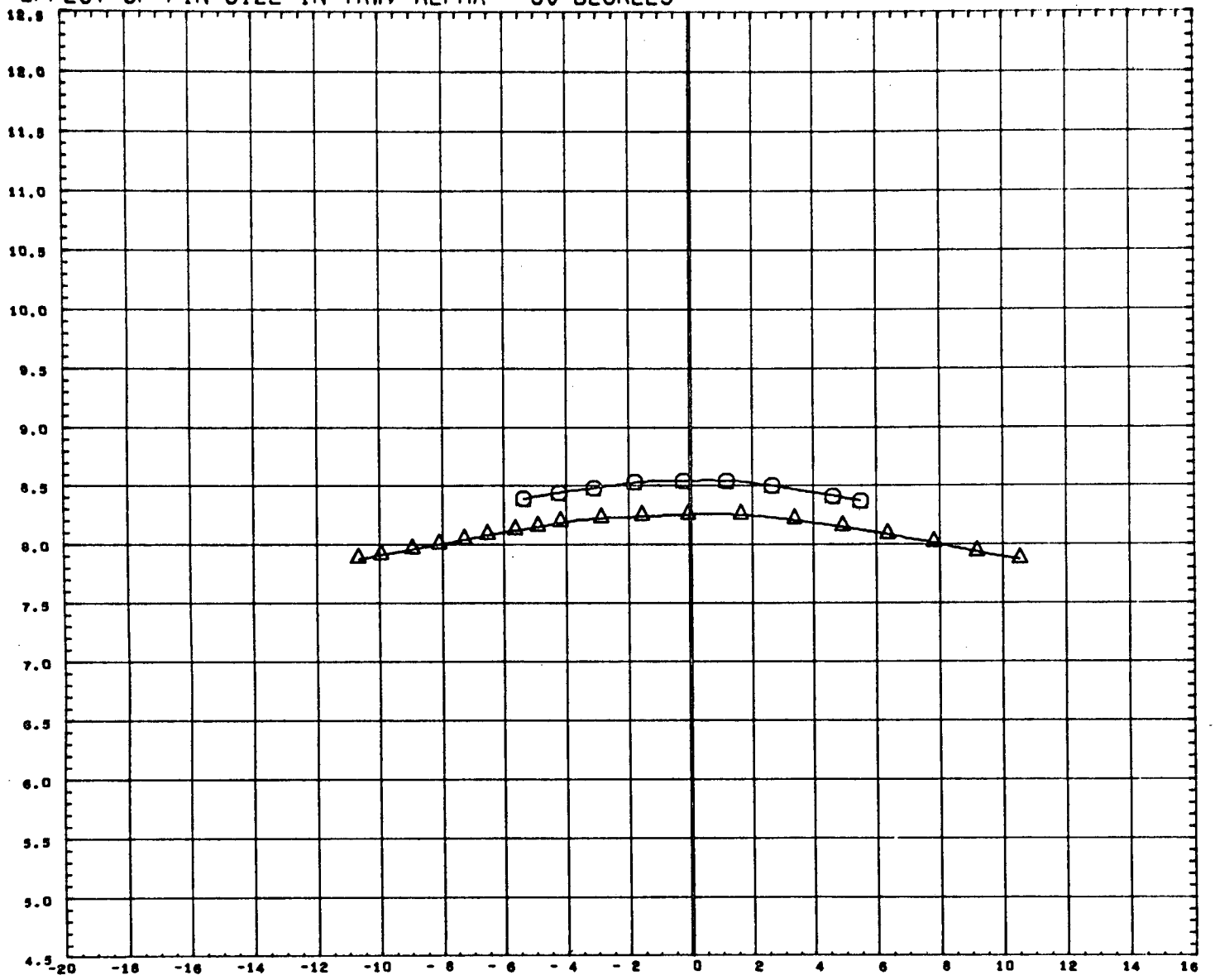
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1.	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

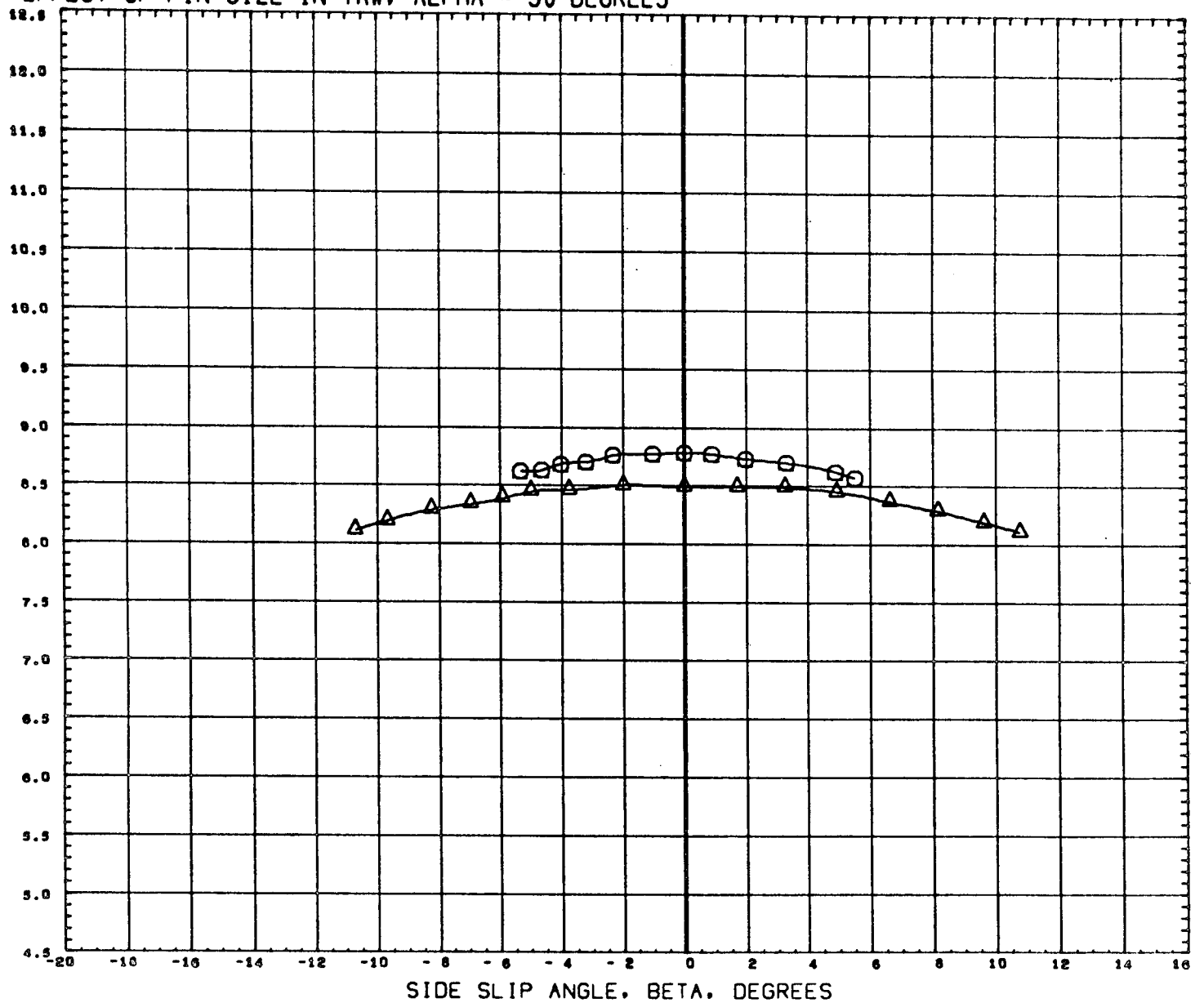
REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

C.7

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



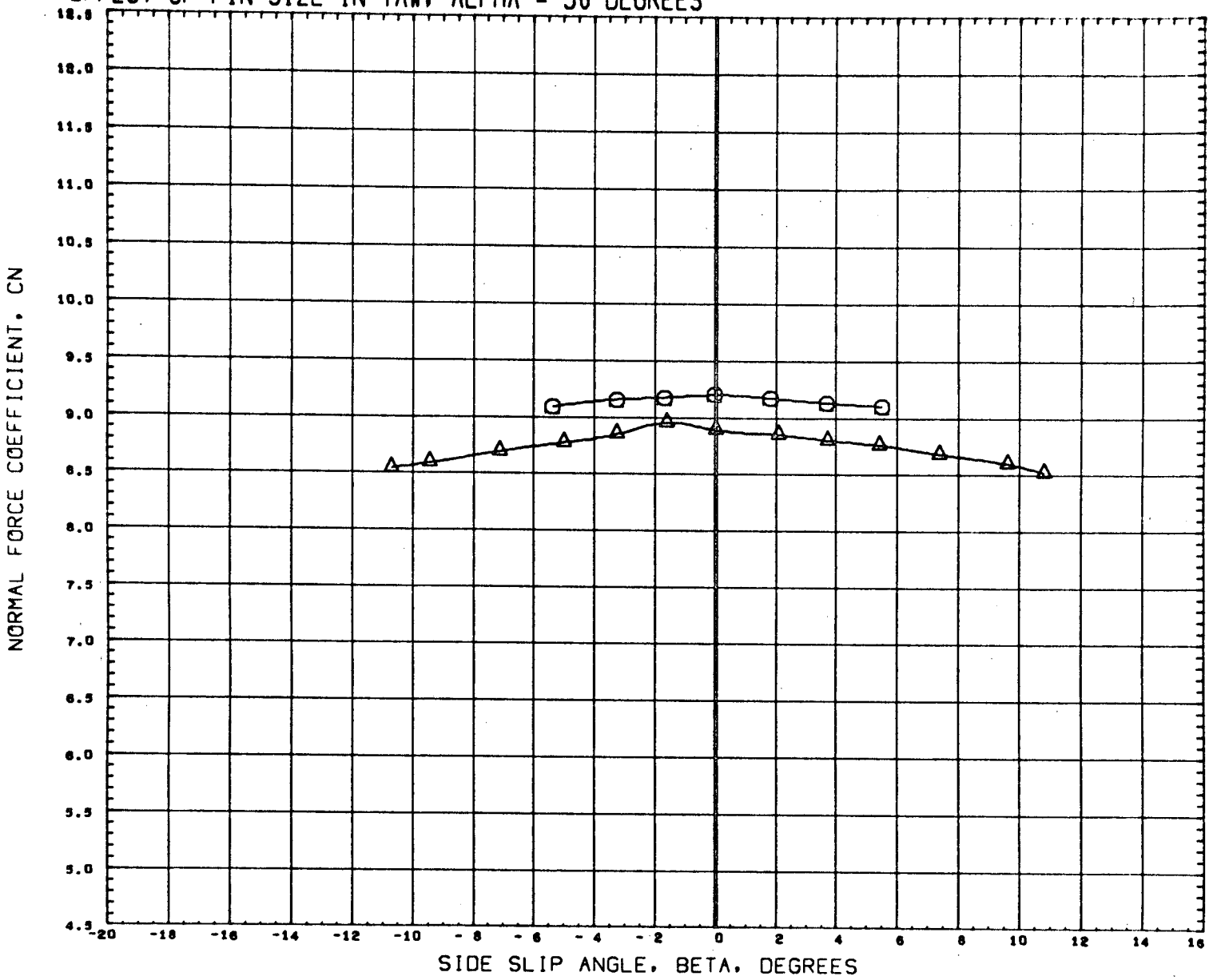
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



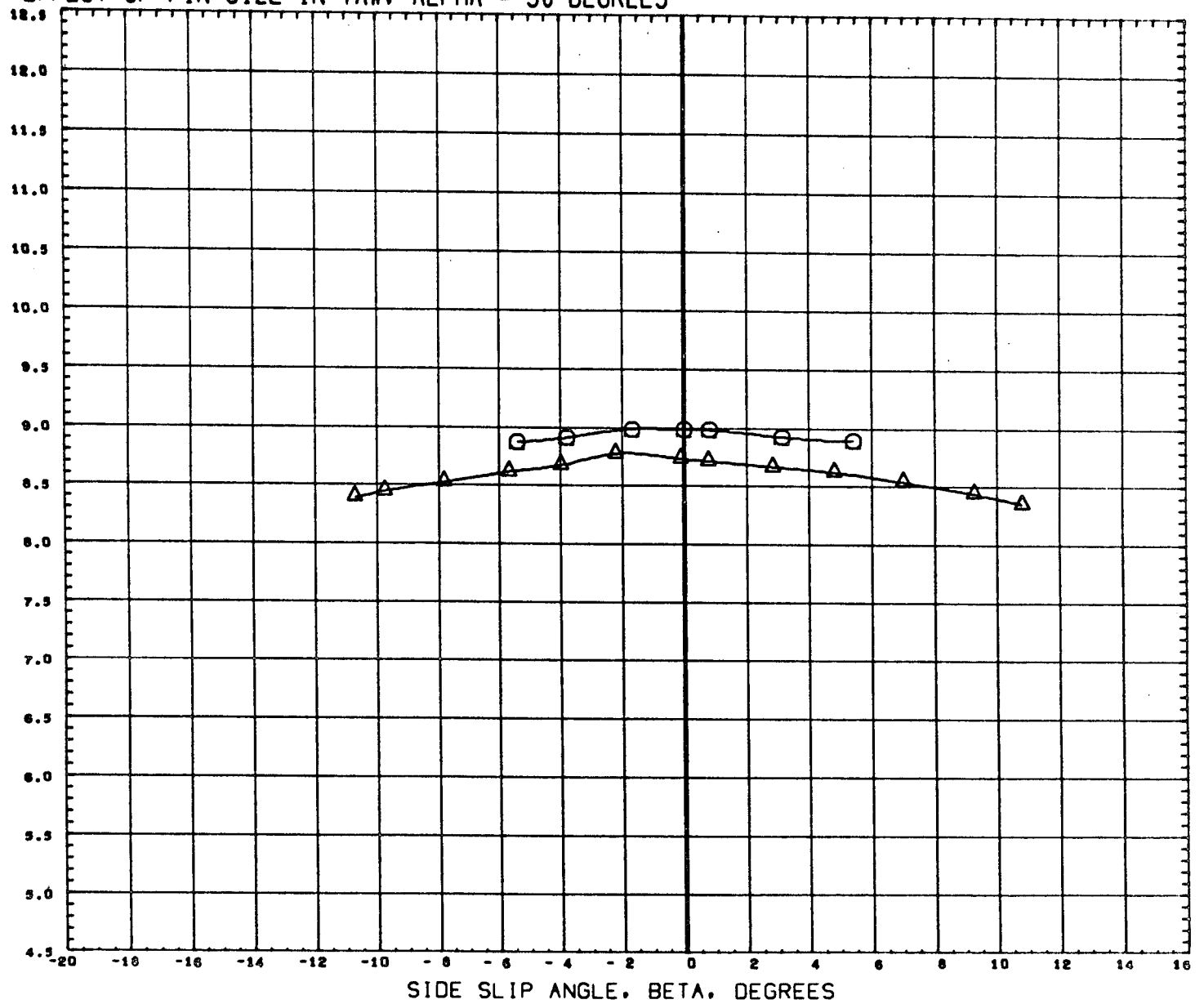
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



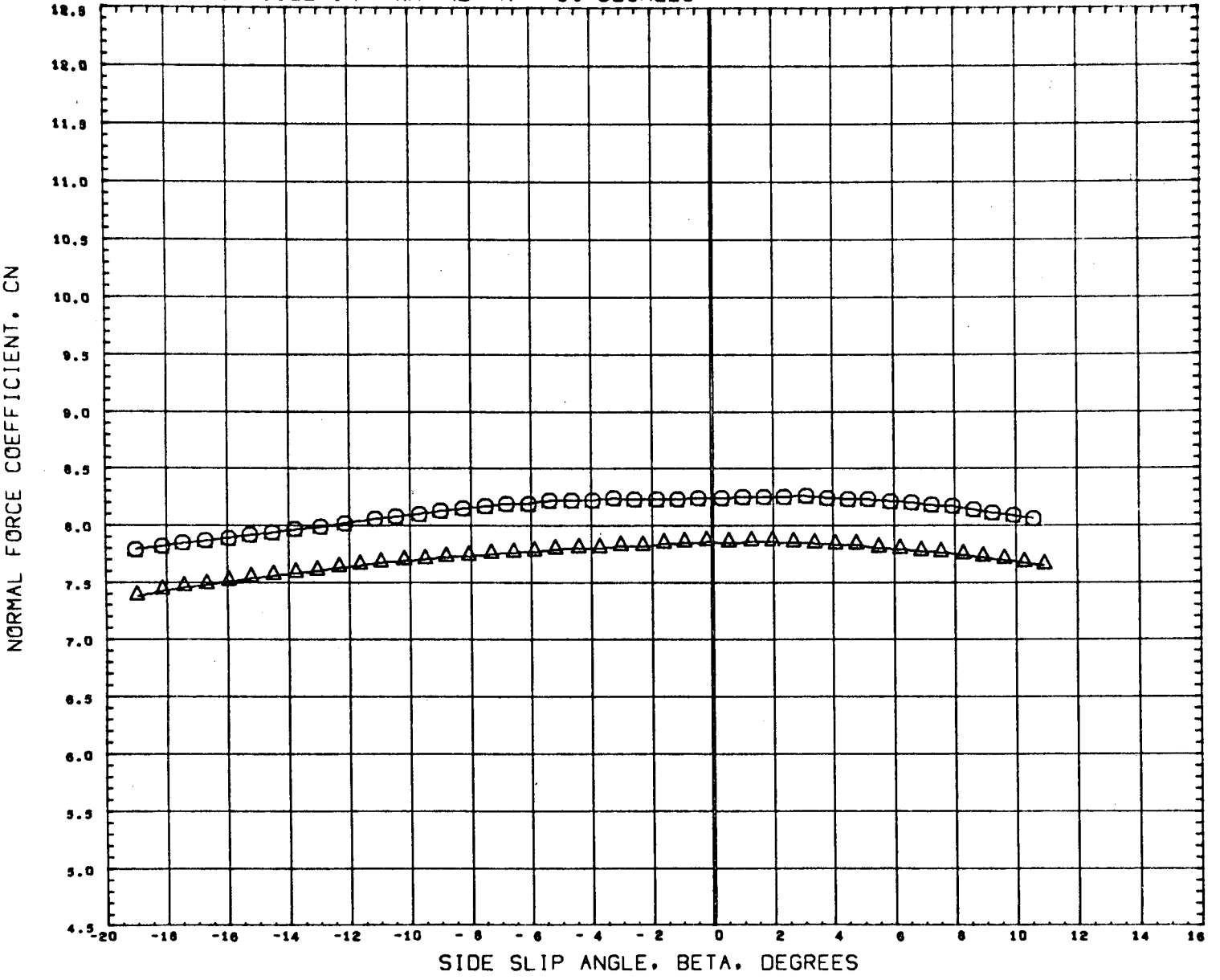
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



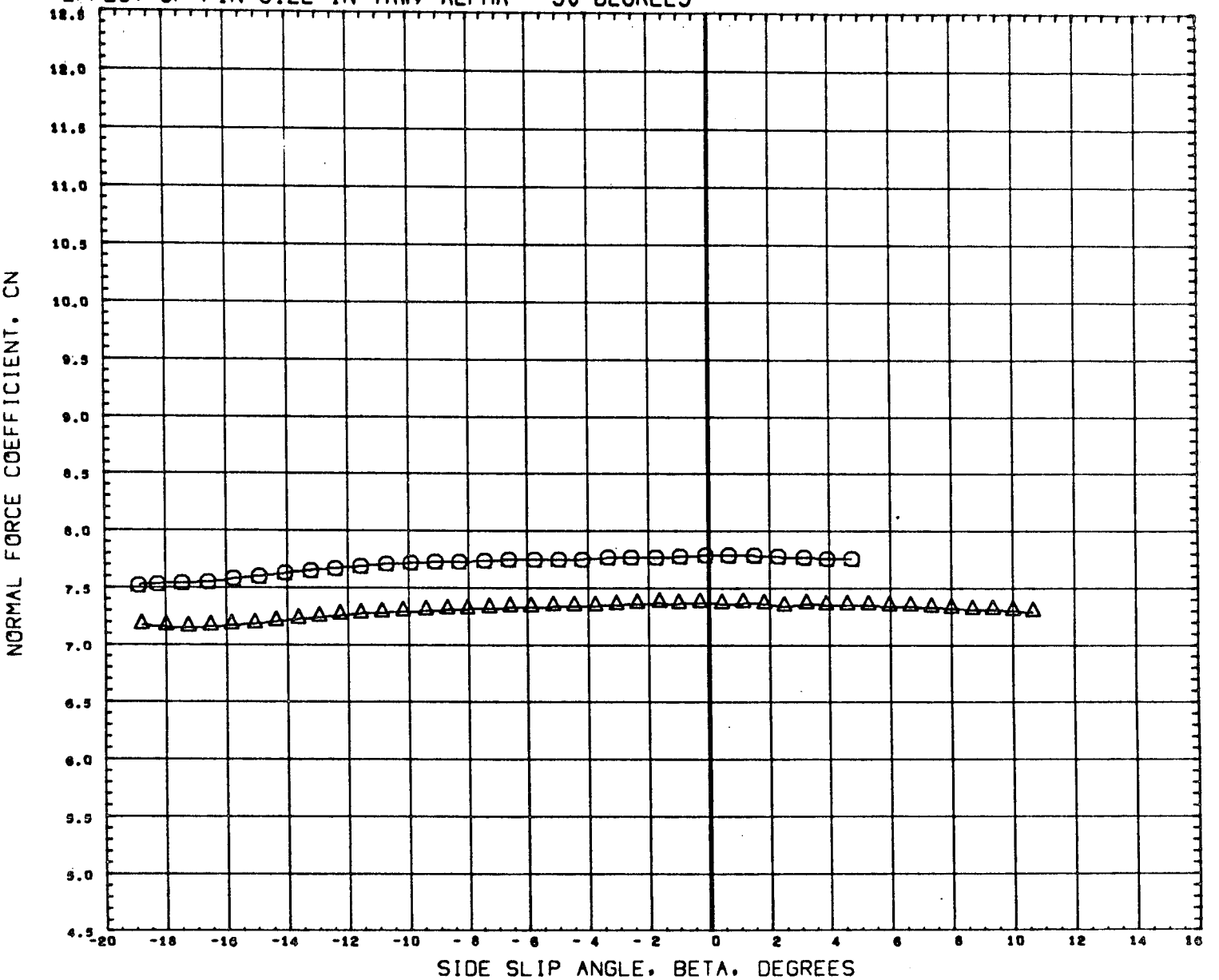
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



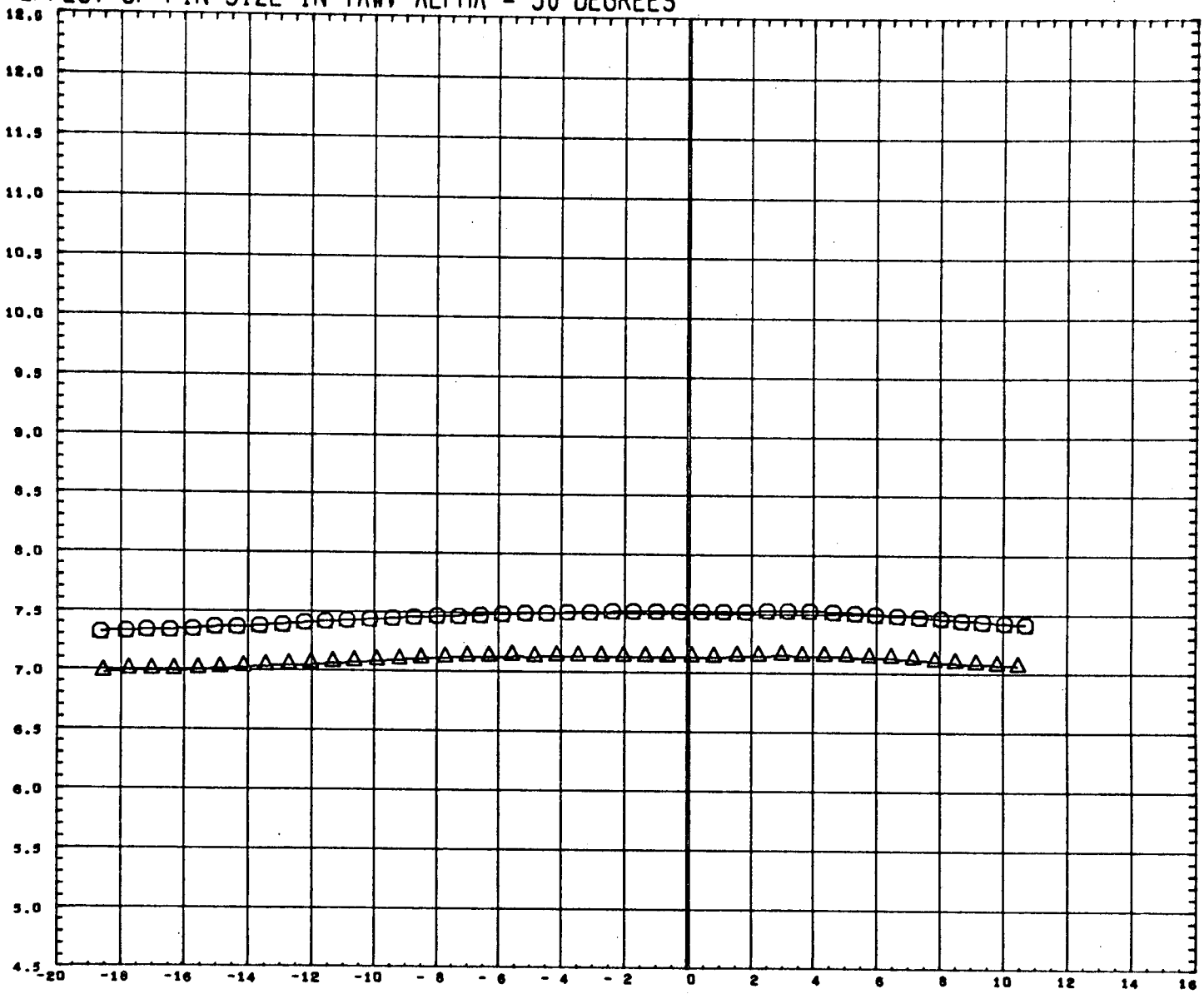
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4032)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF FIN SIZE IN YAW, ALPHA = 50 DEGREES



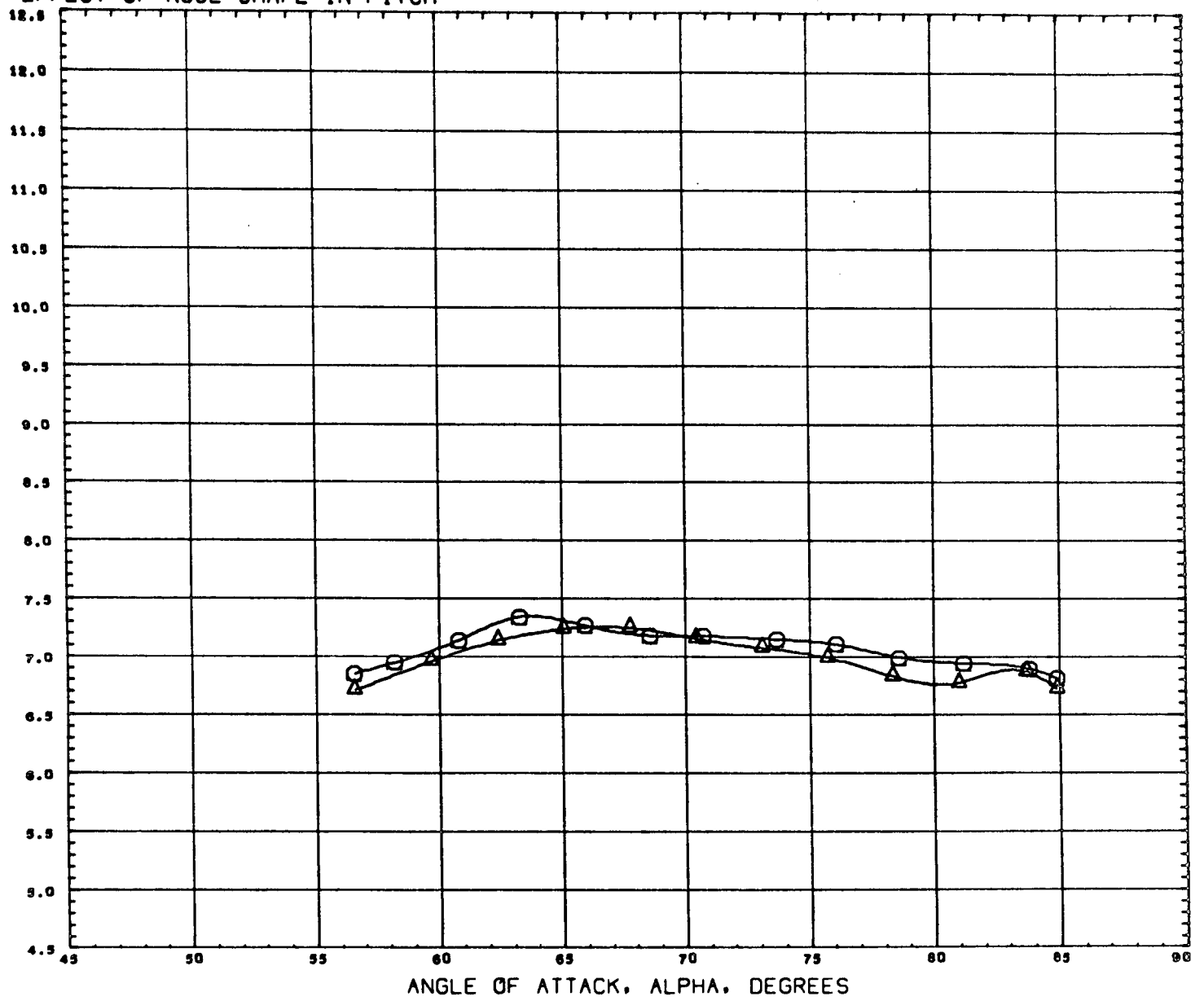
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	50.000
(AD4042)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	50.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

EFFECT OF NOSE SHAPE IN PITCH

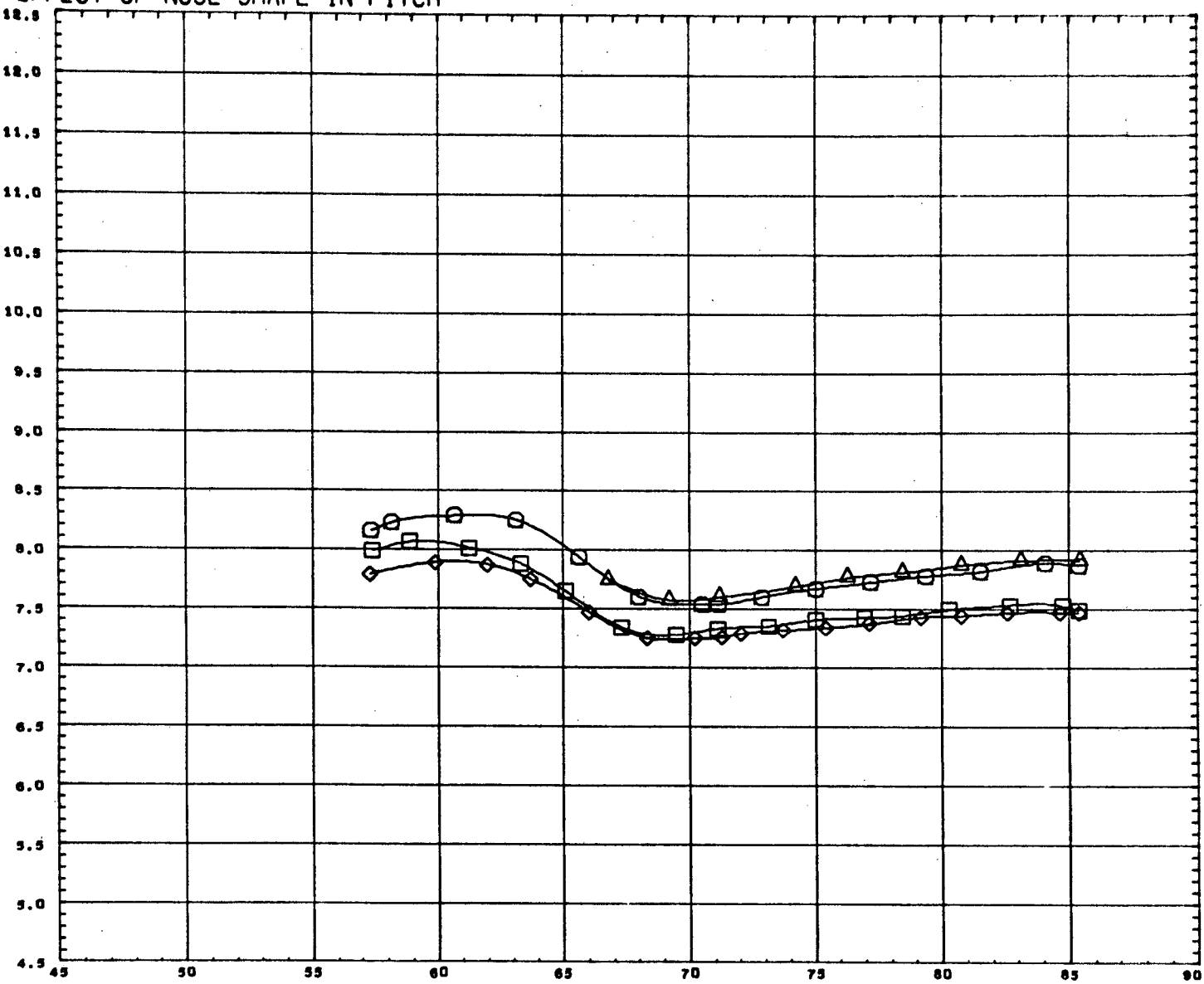


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

EFFECT OF NOSE SHAPE IN PITCH

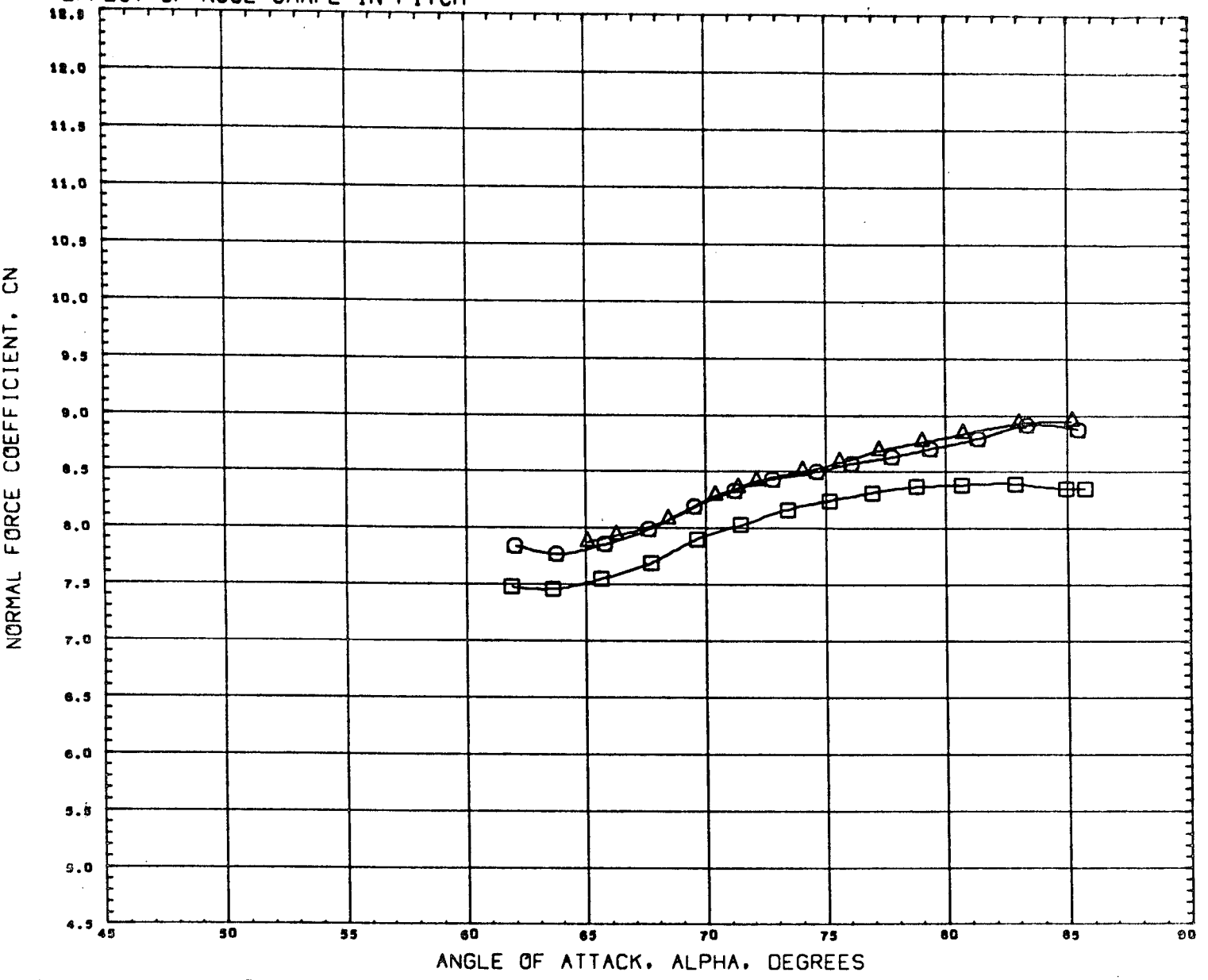


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN PITCH

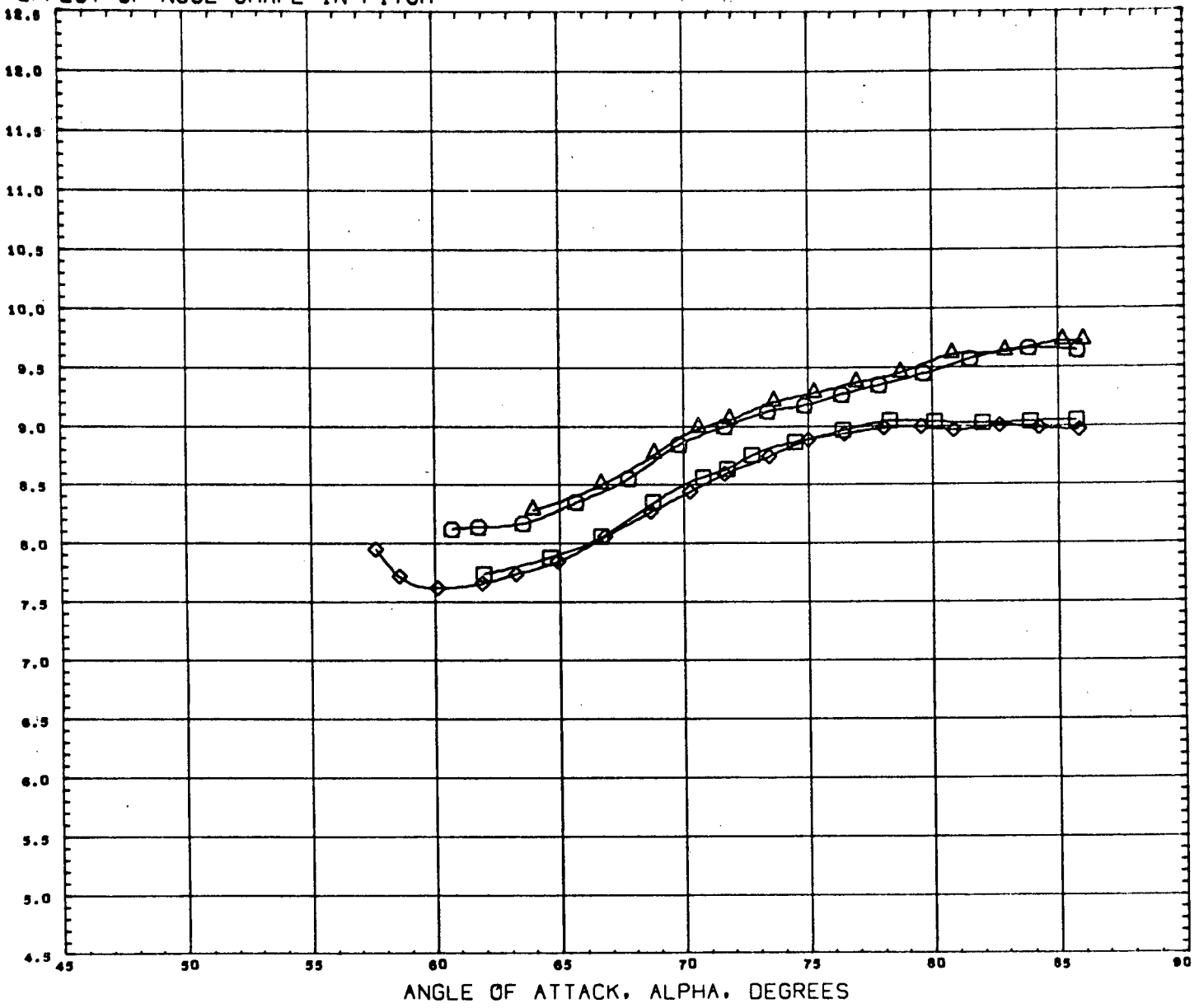


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN PITCH

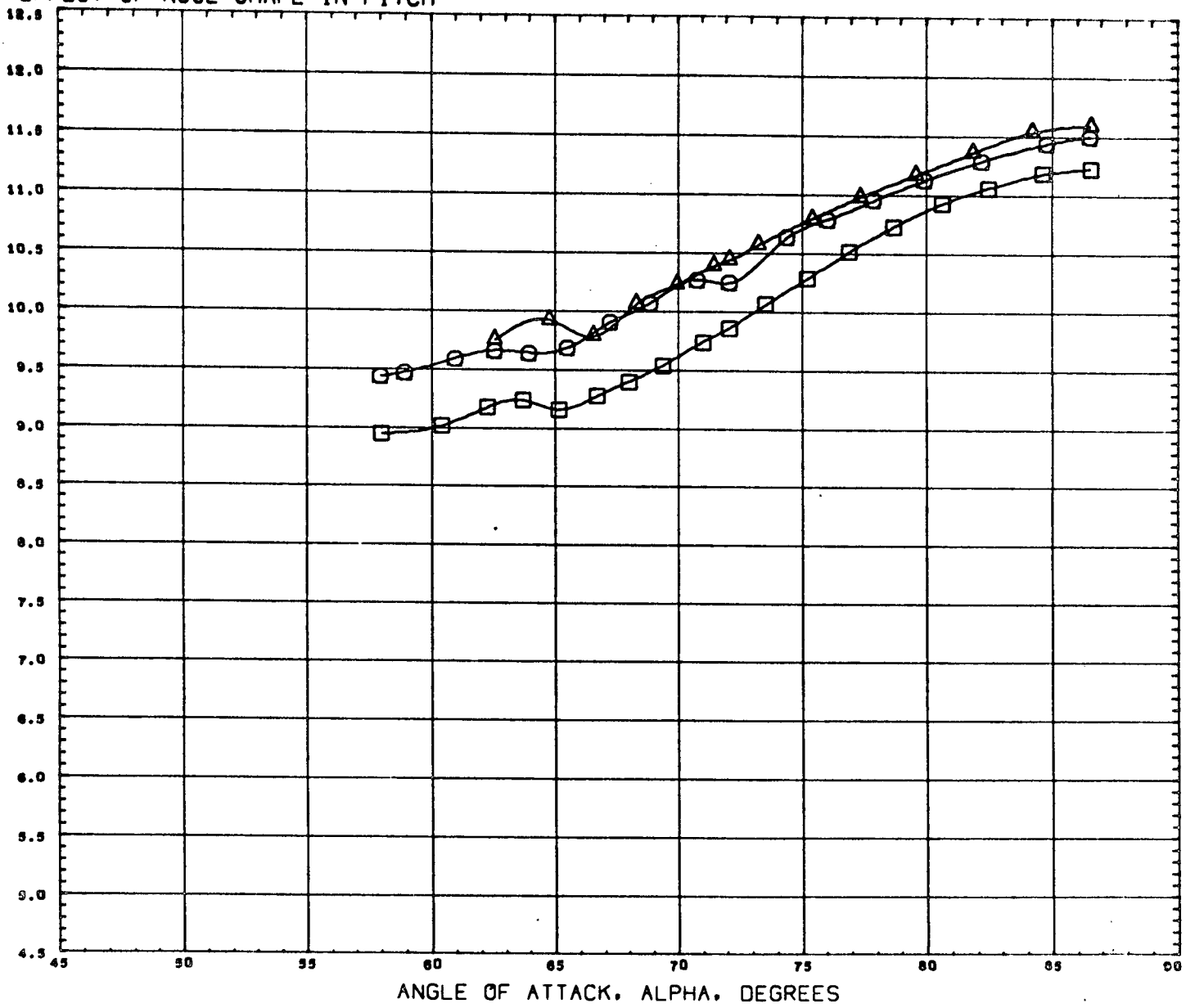


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN PITCH

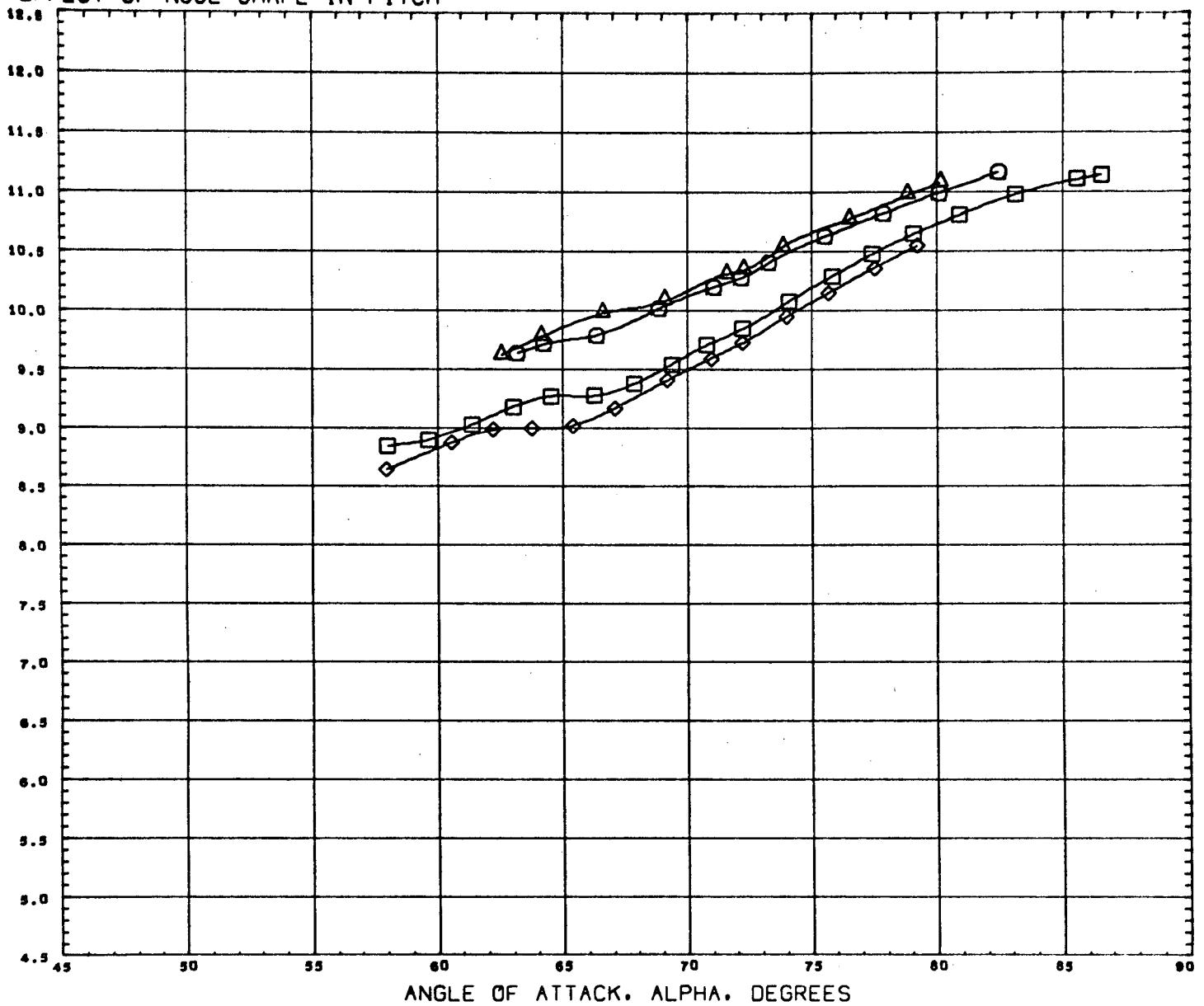


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4091)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN PITCH

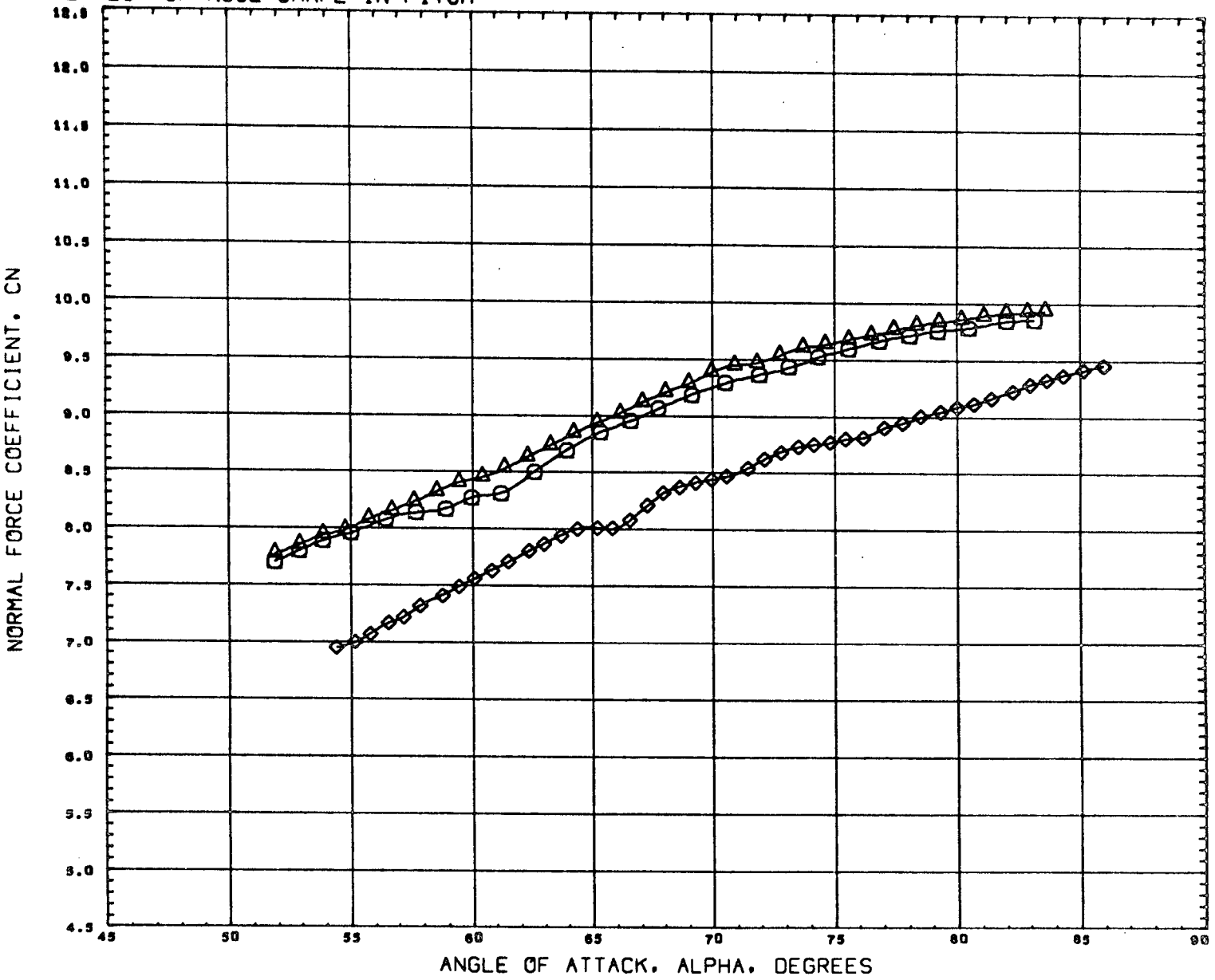


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH , 1.10

EFFECT OF NOSE SHAPE IN PITCH

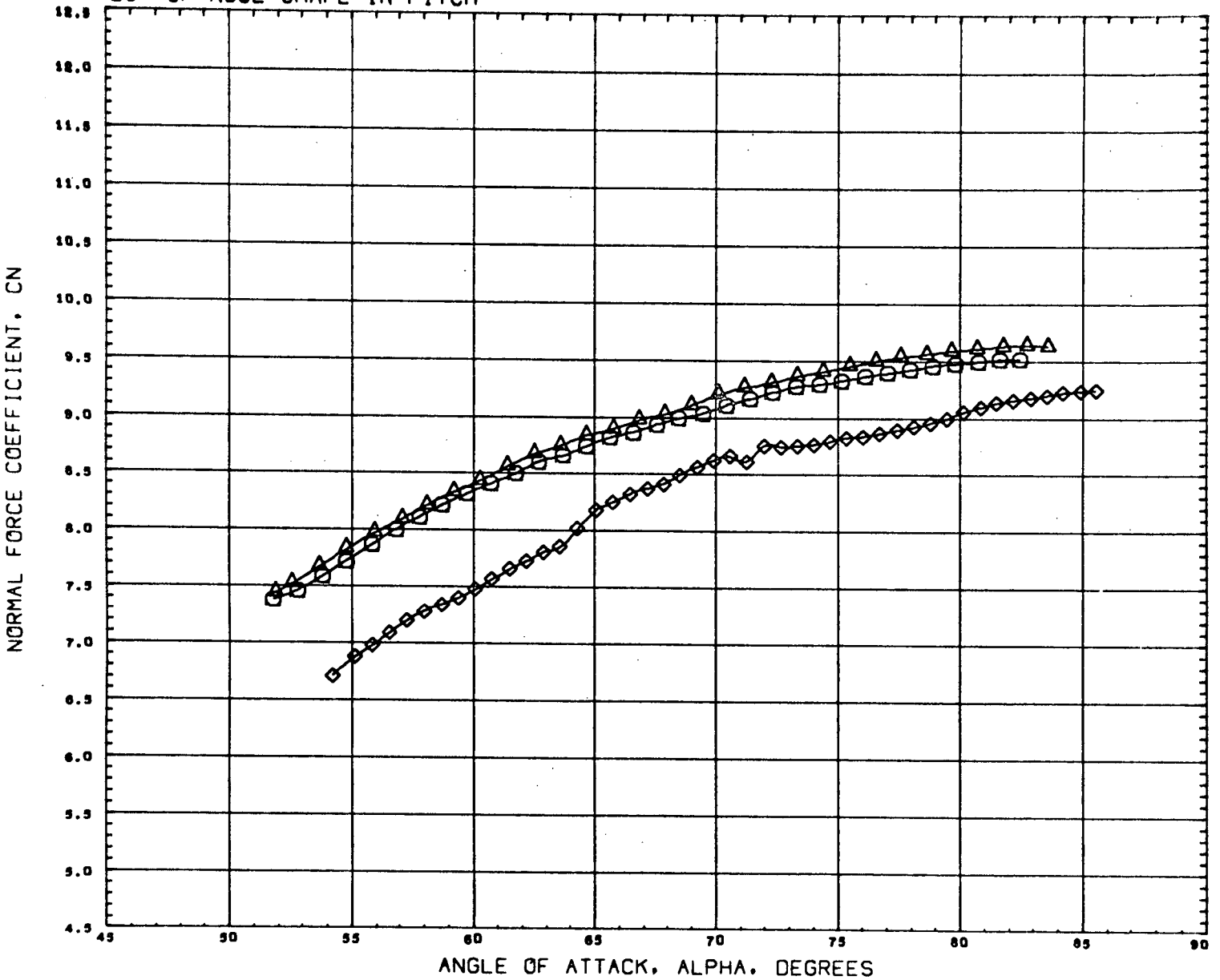


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN PITCH



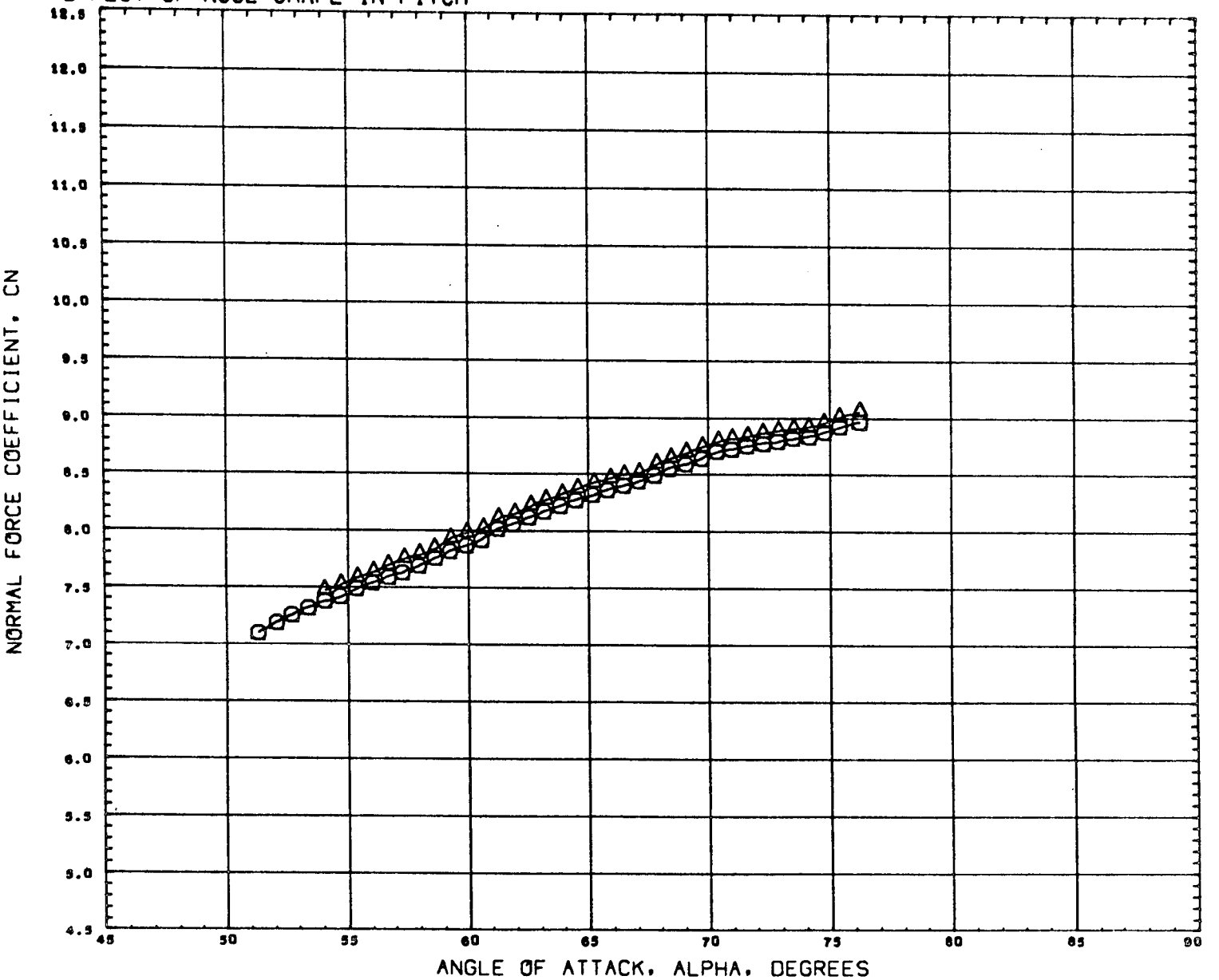
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN PITCH

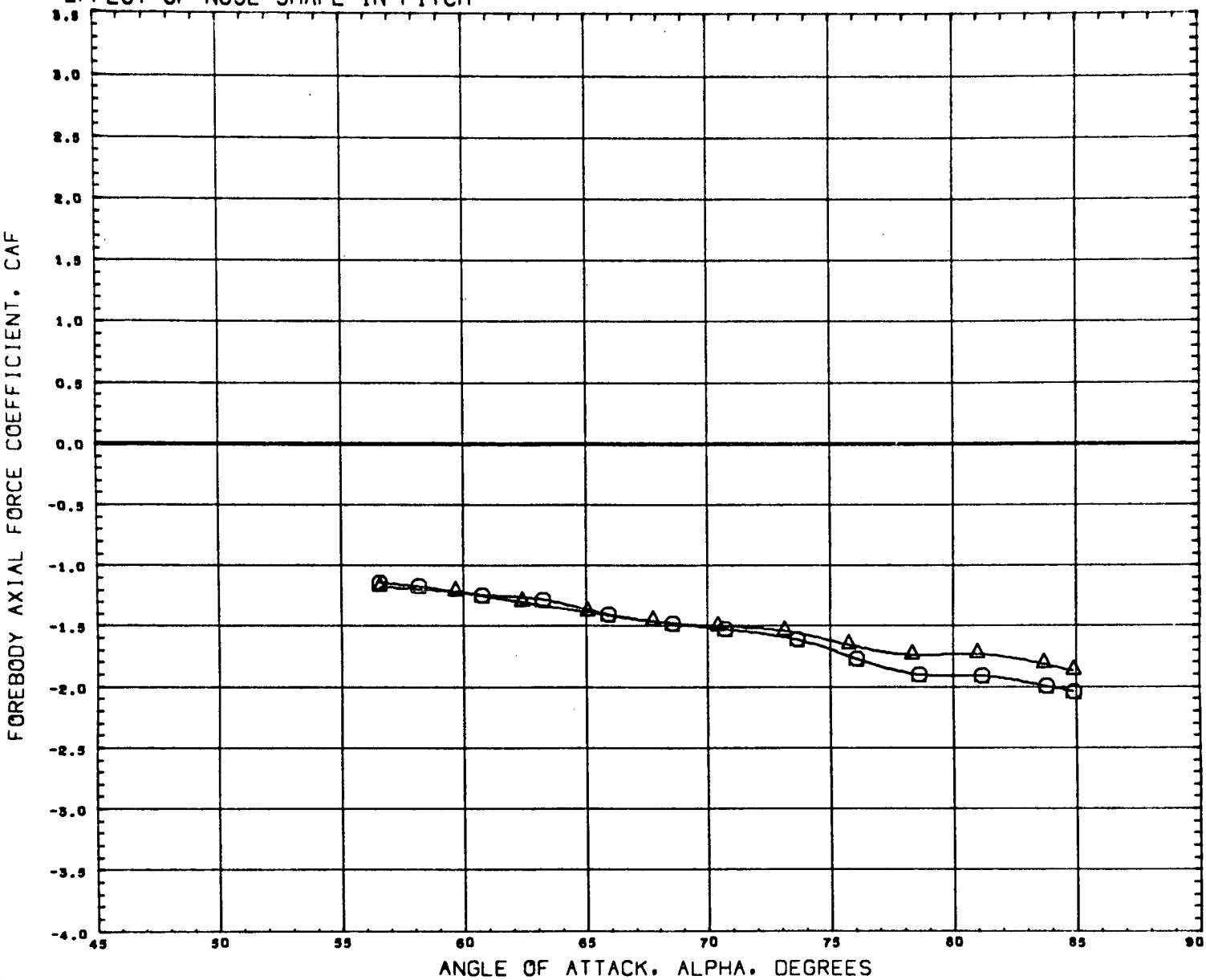


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF NOSE SHAPE IN PITCH

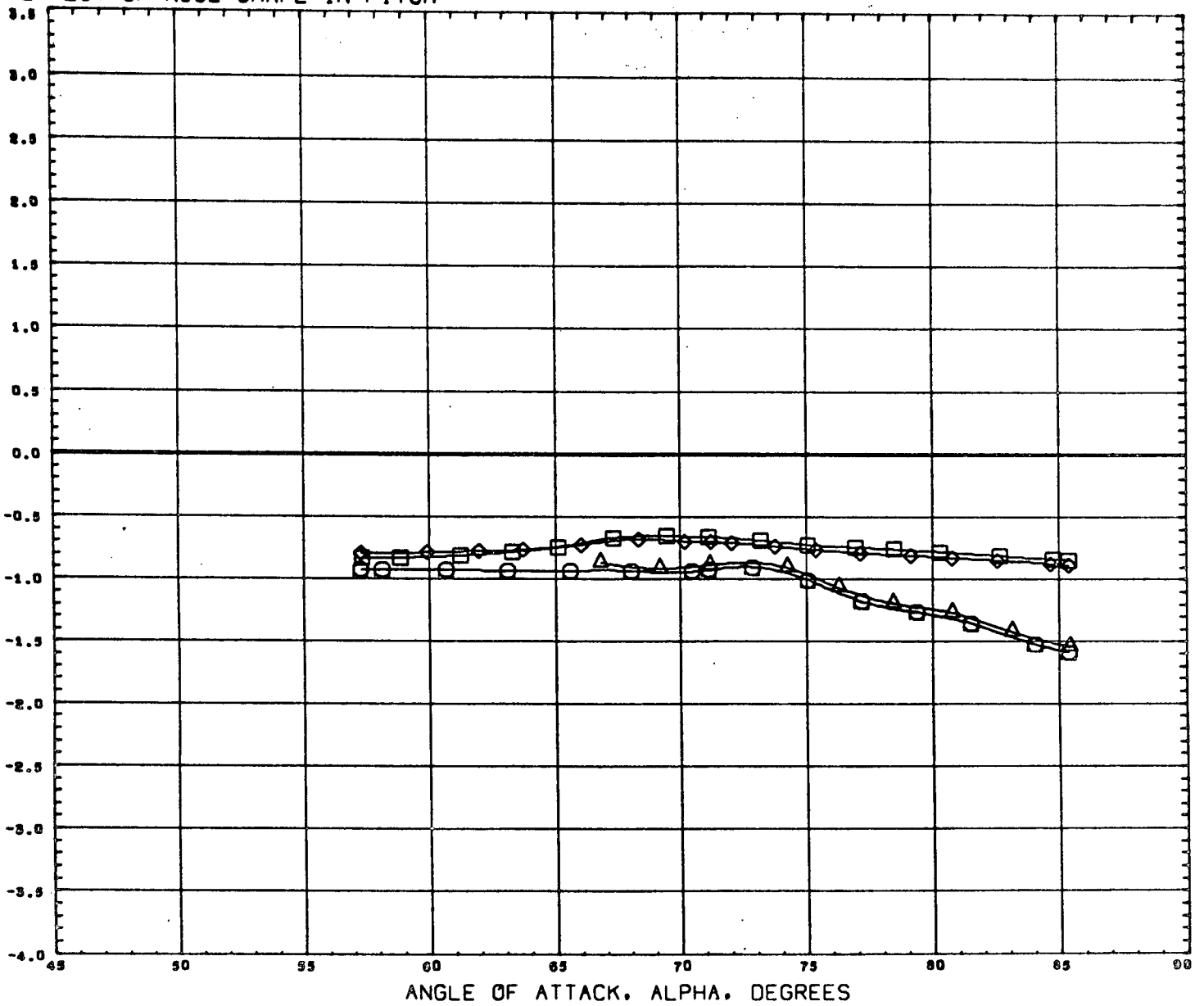


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .60

EFFECT OF NOSE SHAPE IN PITCH

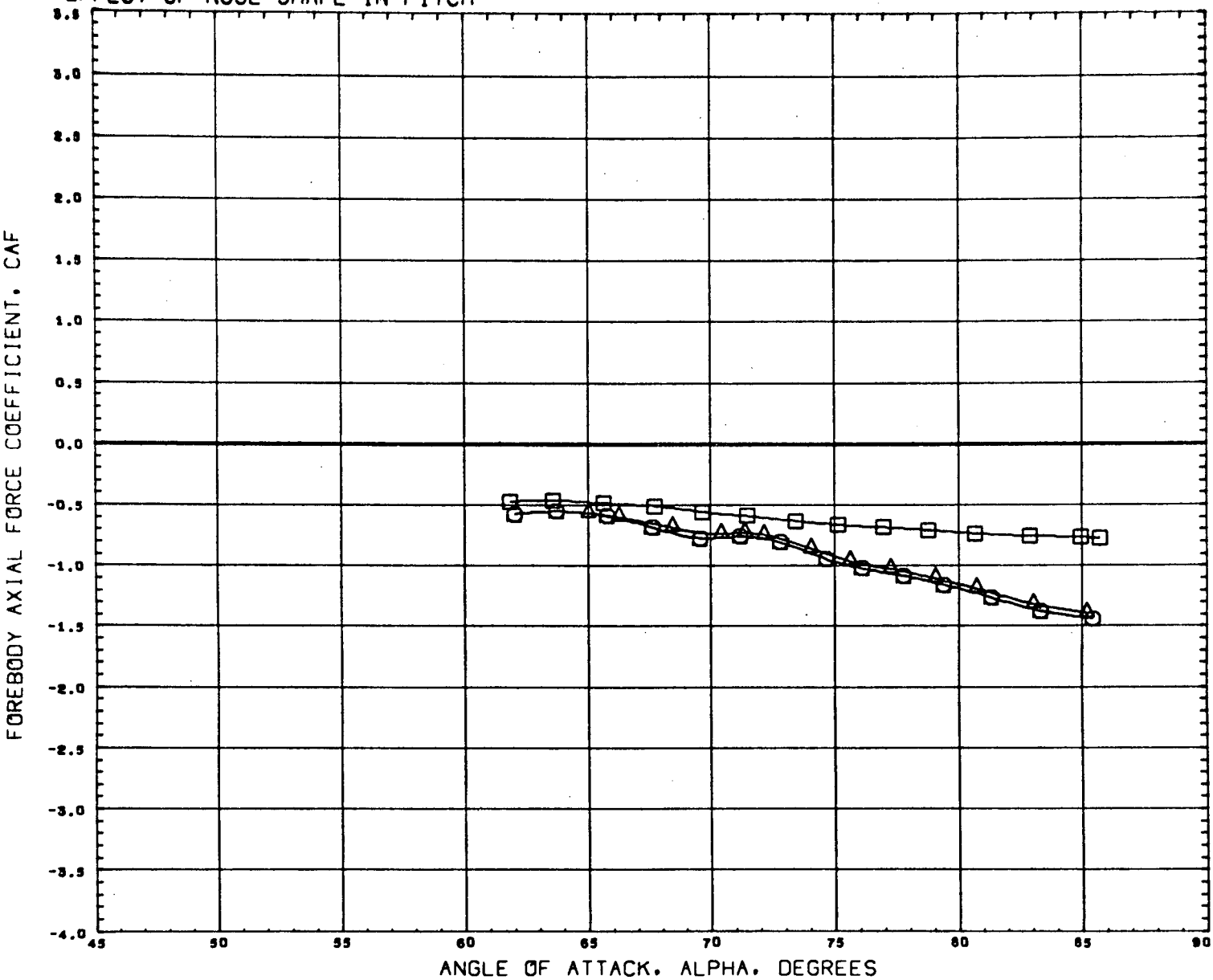


DATA SET SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN PITCH

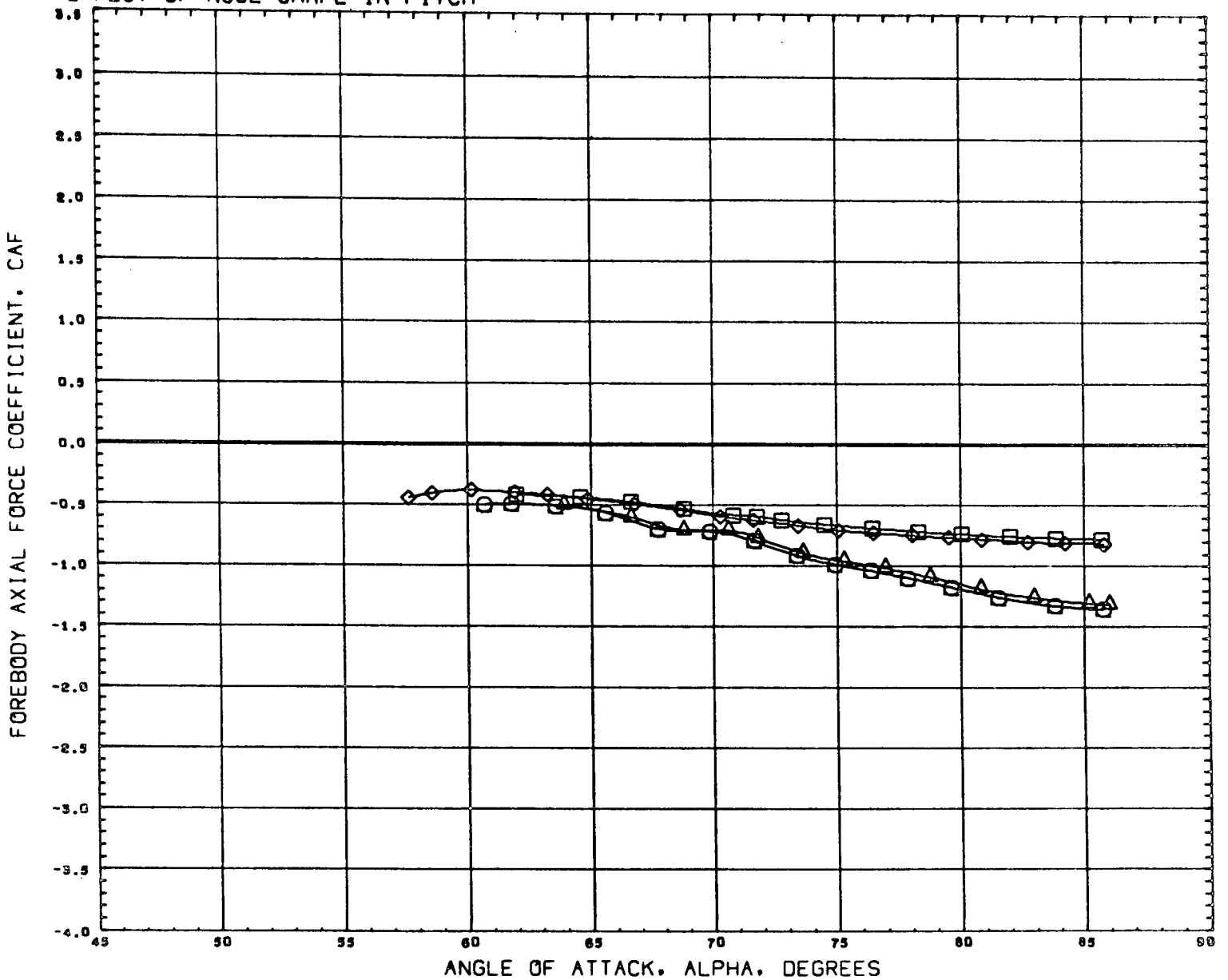


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN PITCH

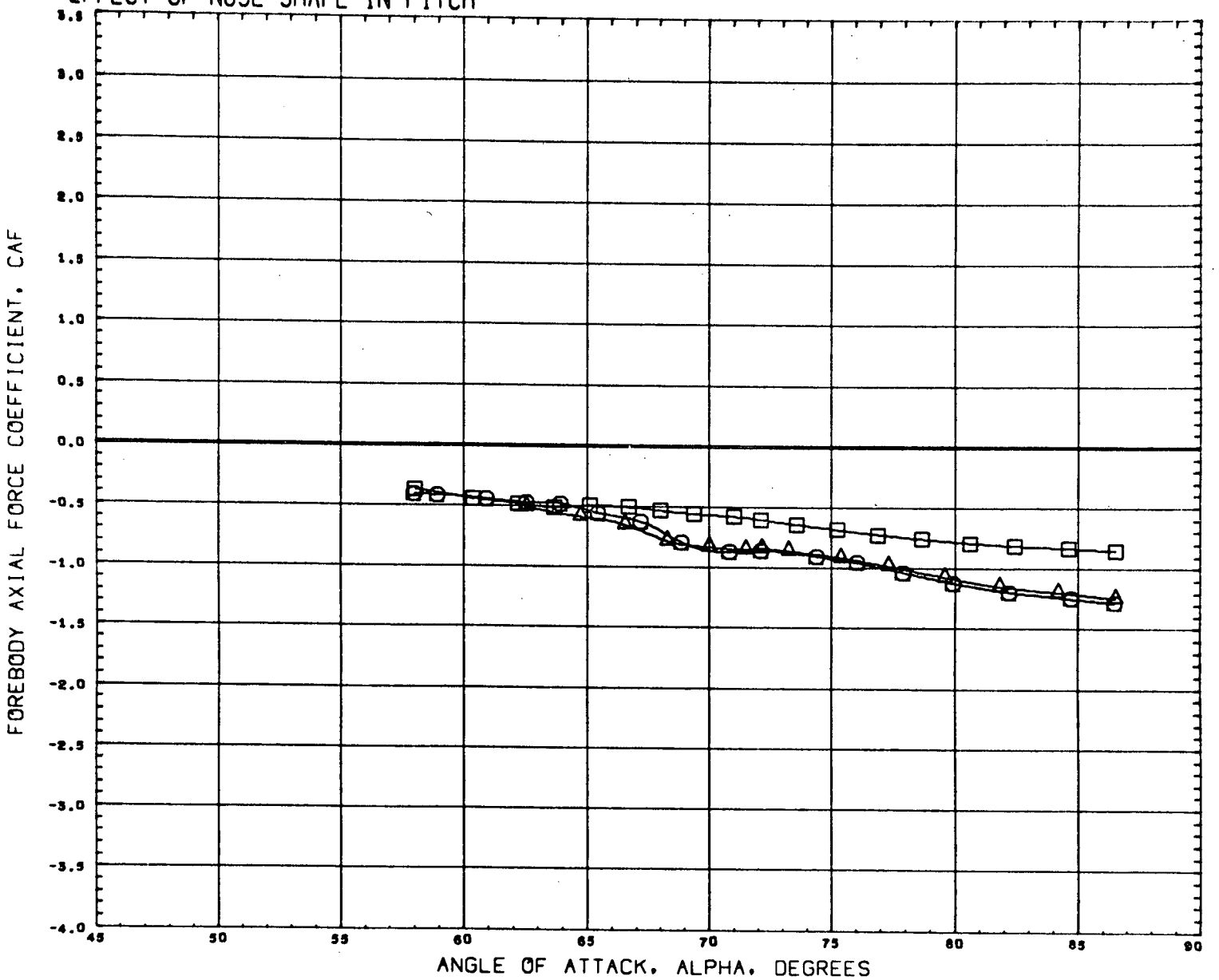


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071) □	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN PITCH



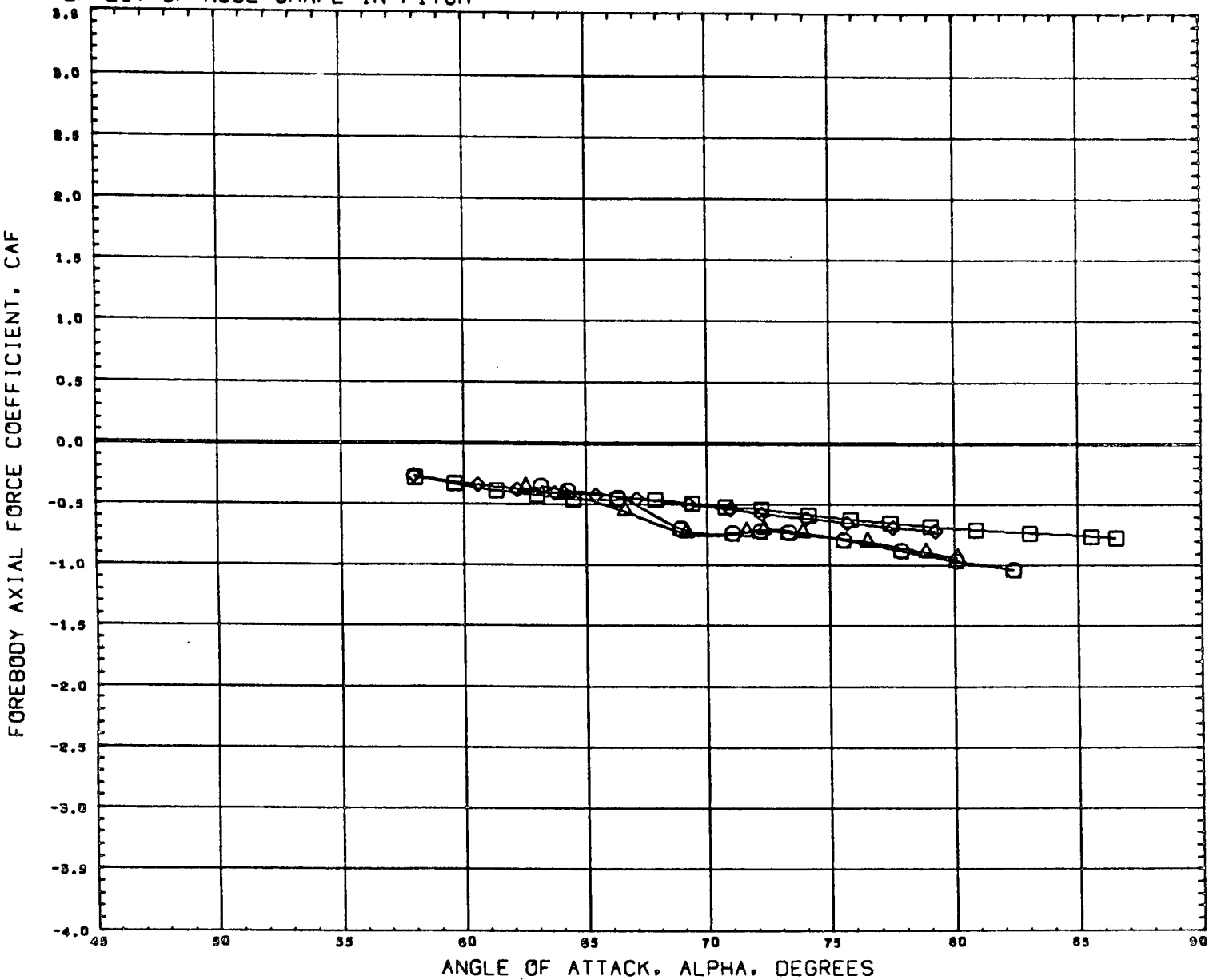
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN PITCH

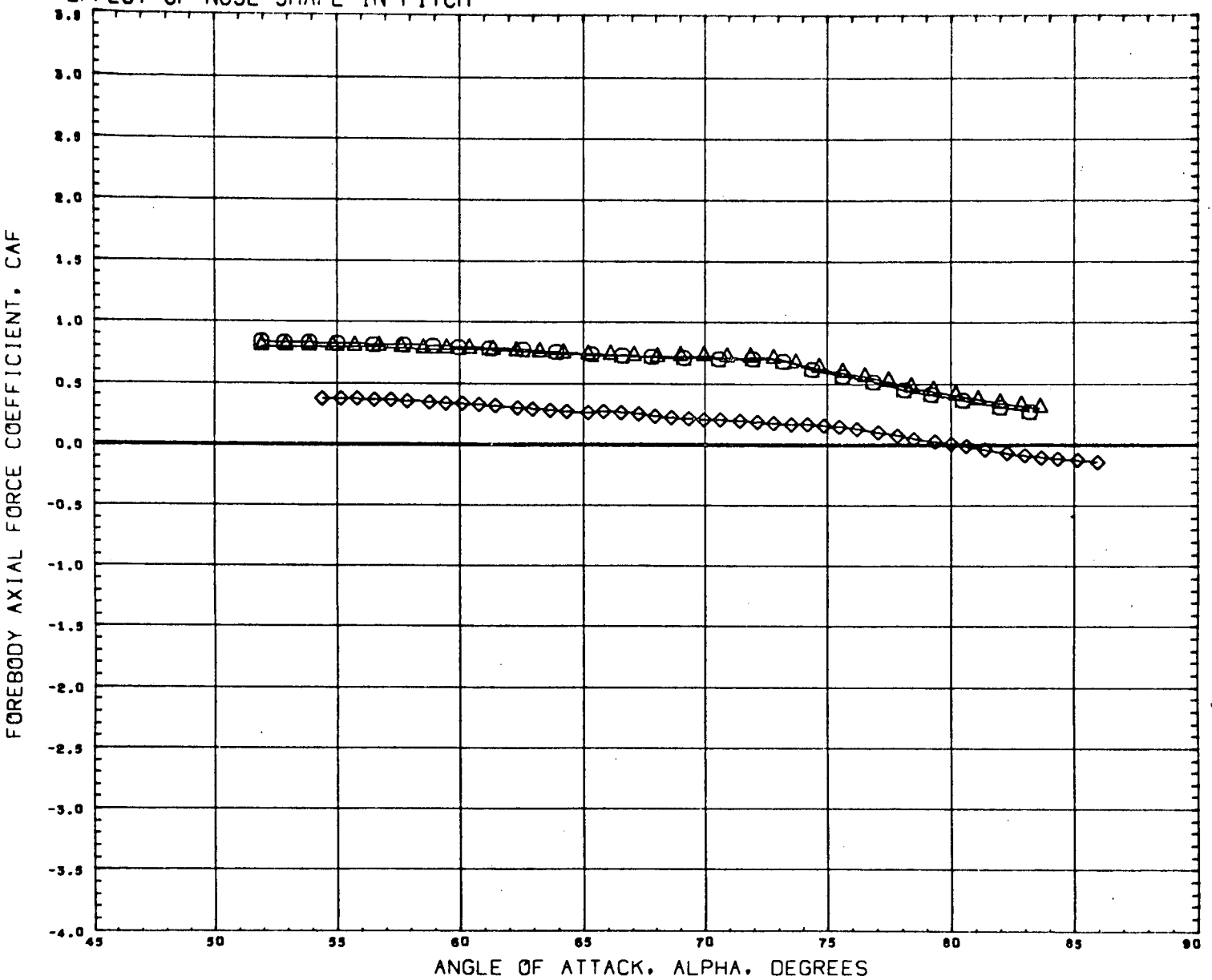


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN PITCH

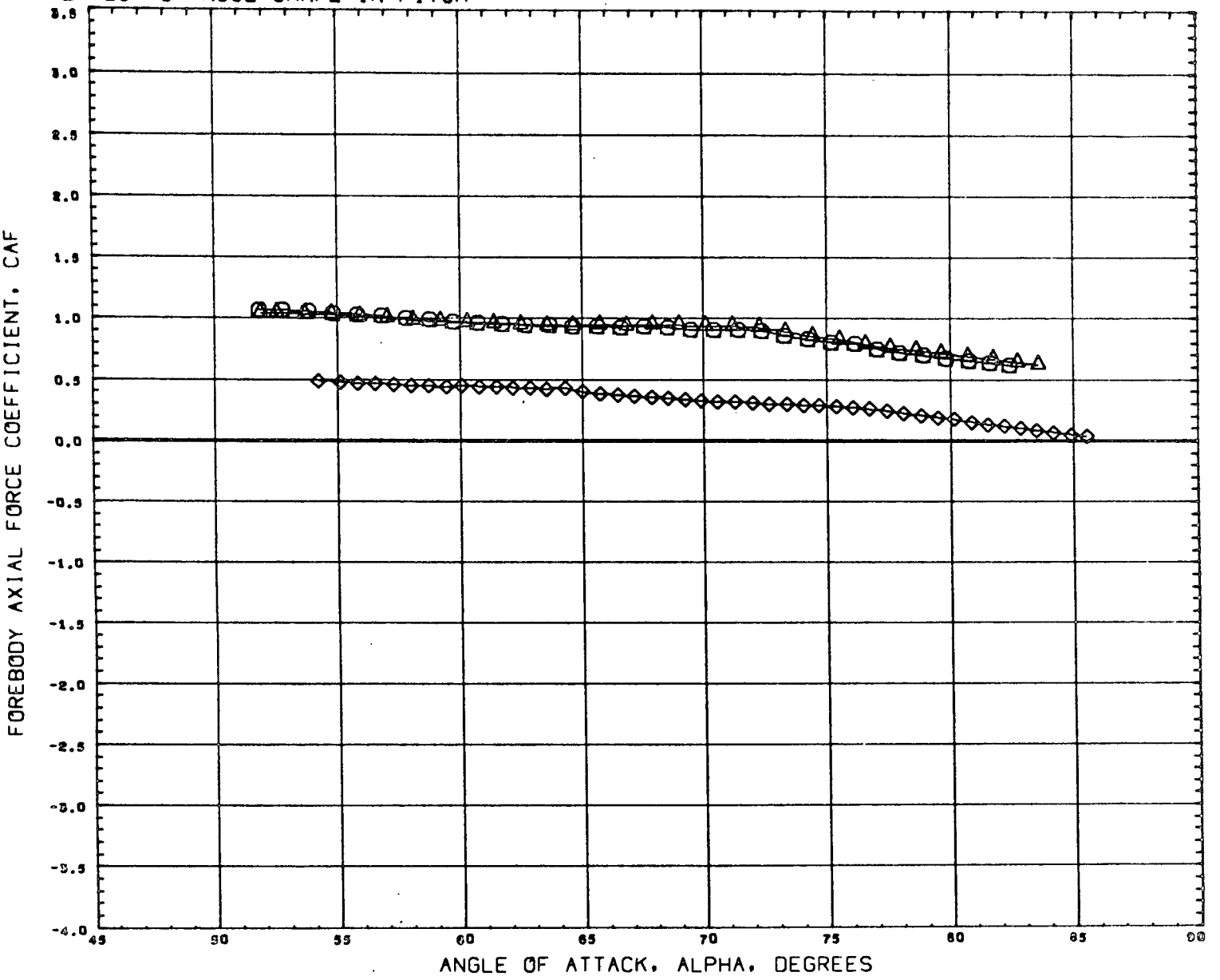


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN PITCH



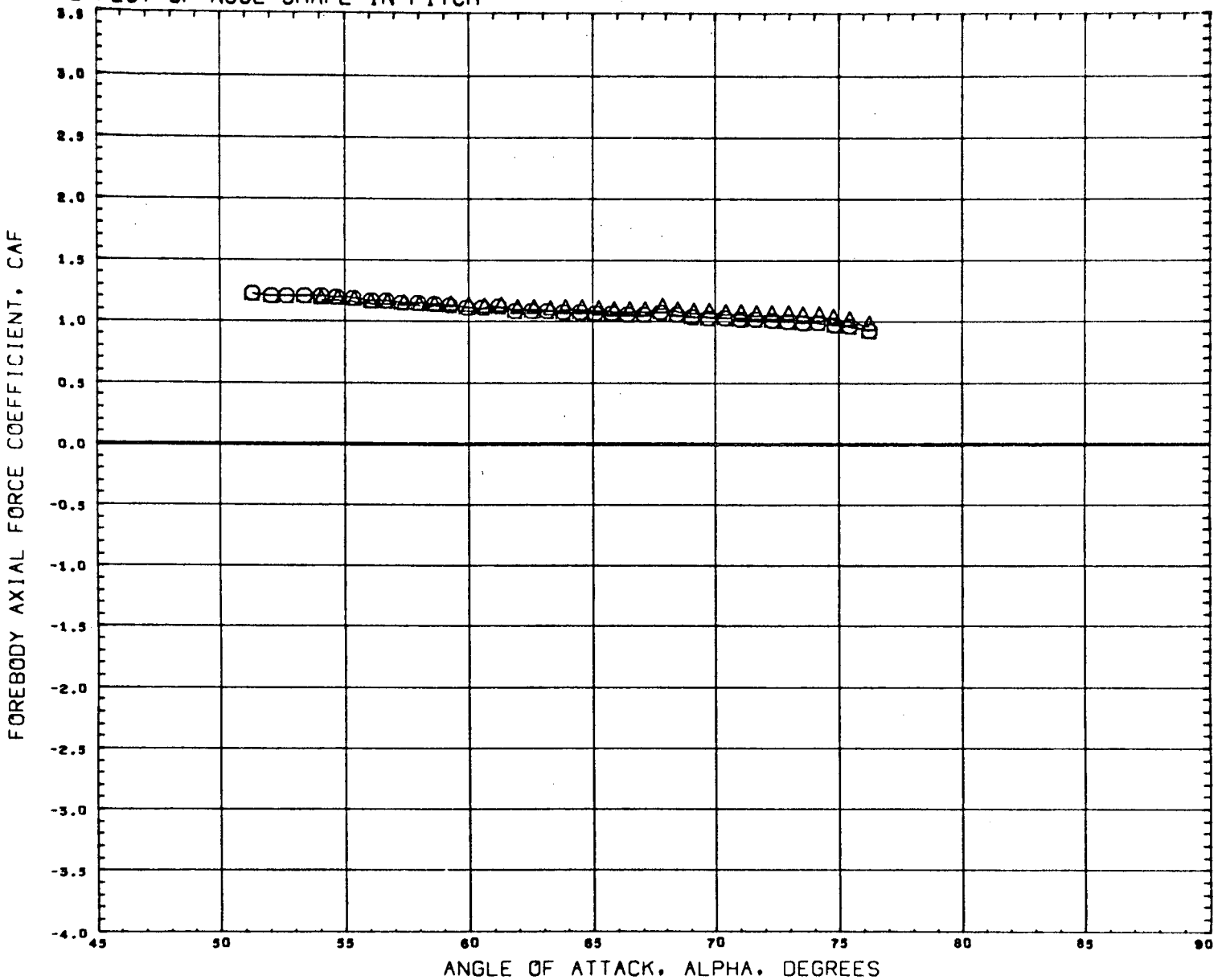
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN PITCH



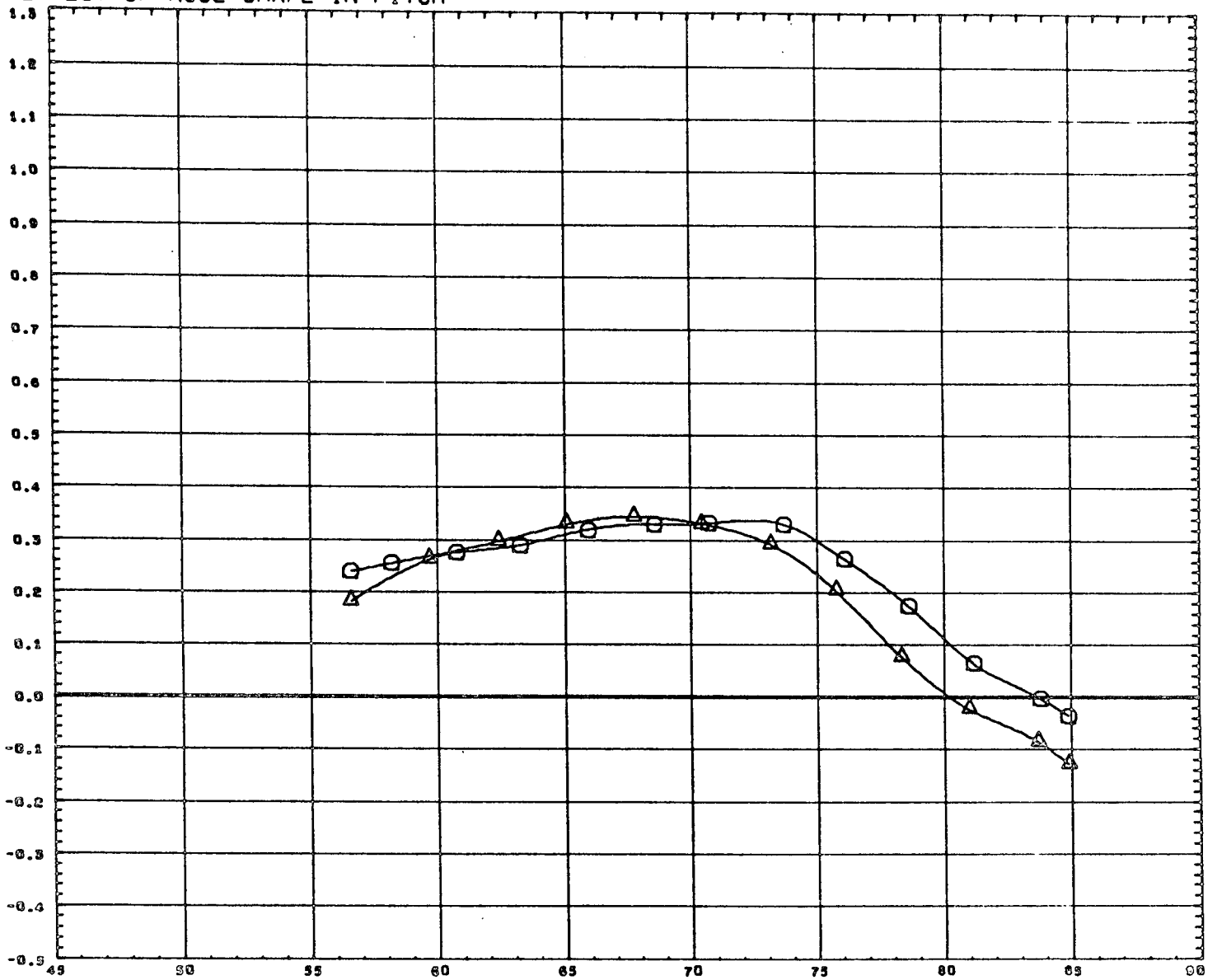
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF NOSE SHAPE IN PITCH

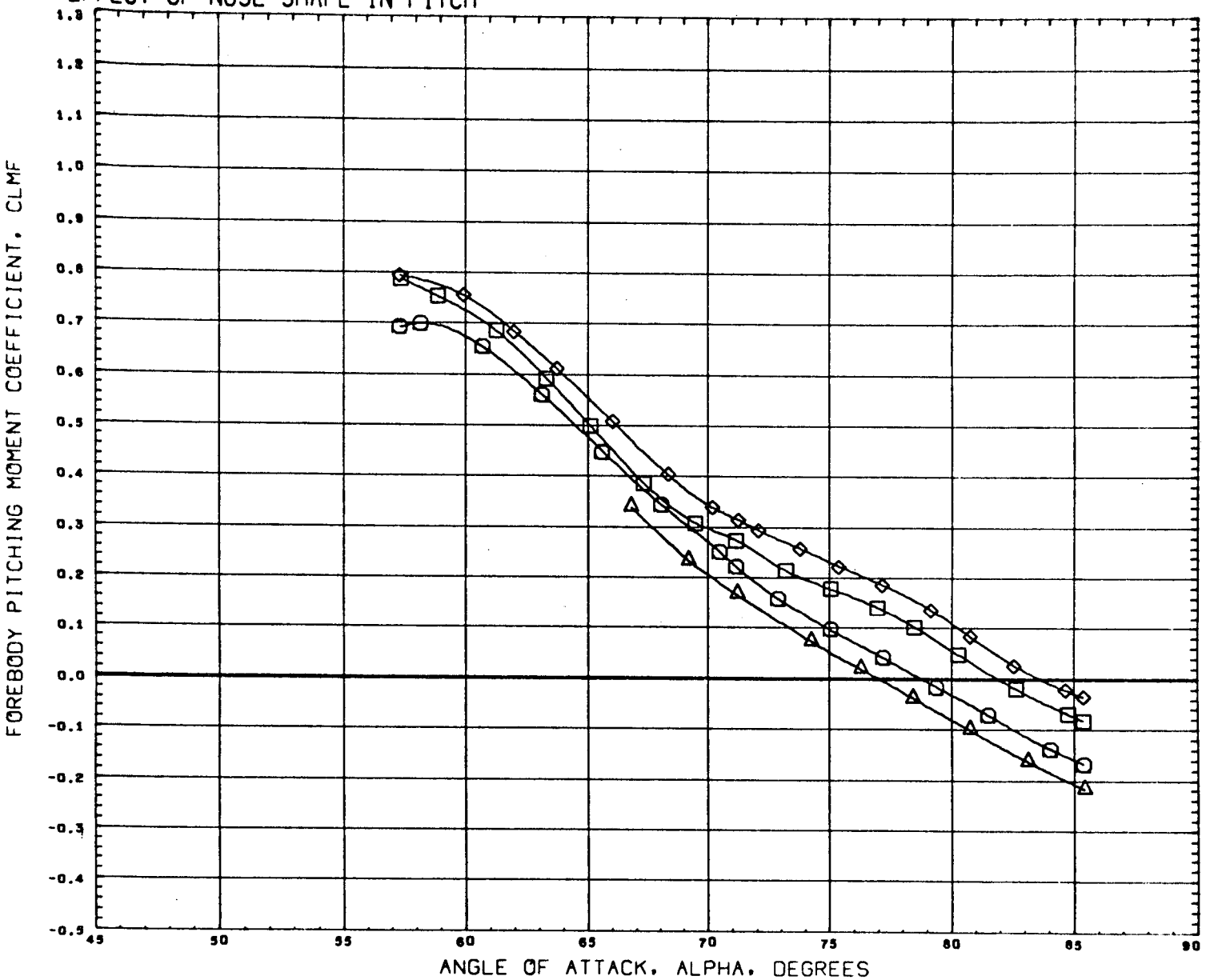


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4001)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0699	PERCNT

MACH .60

EFFECT OF NOSE SHAPE IN PITCH

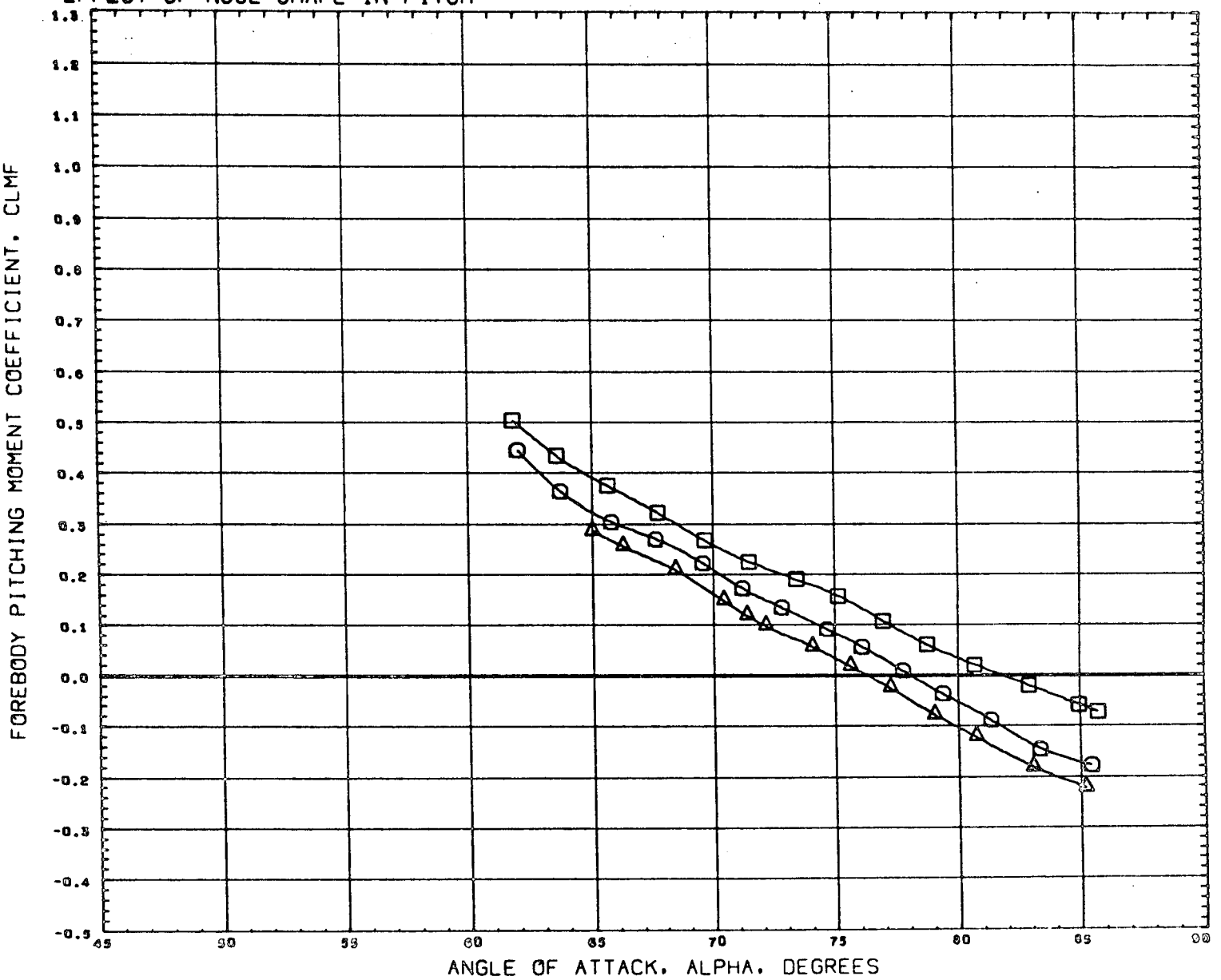


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN PITCH



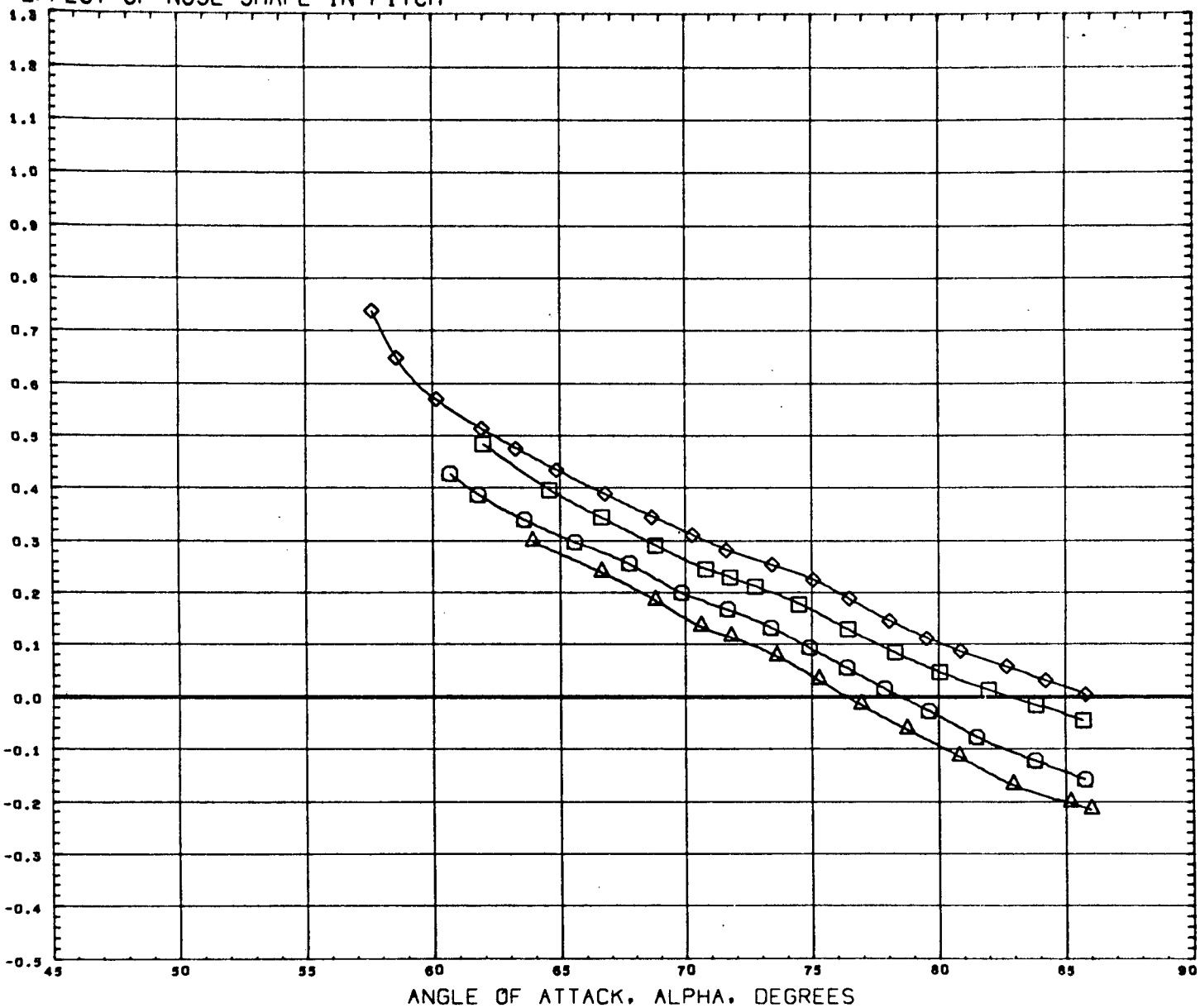
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 593 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 593 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 593 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN PITCH

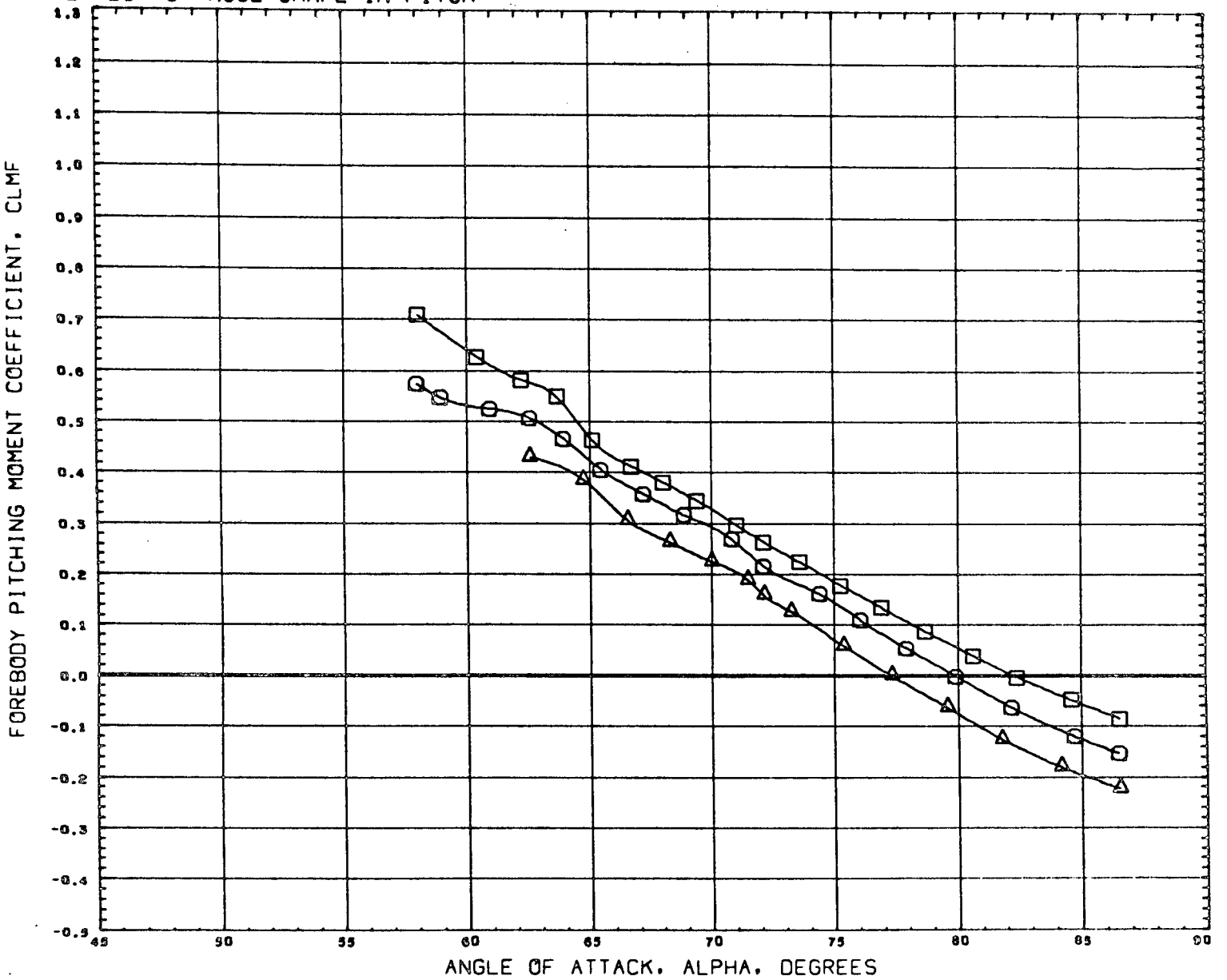


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN PITCH

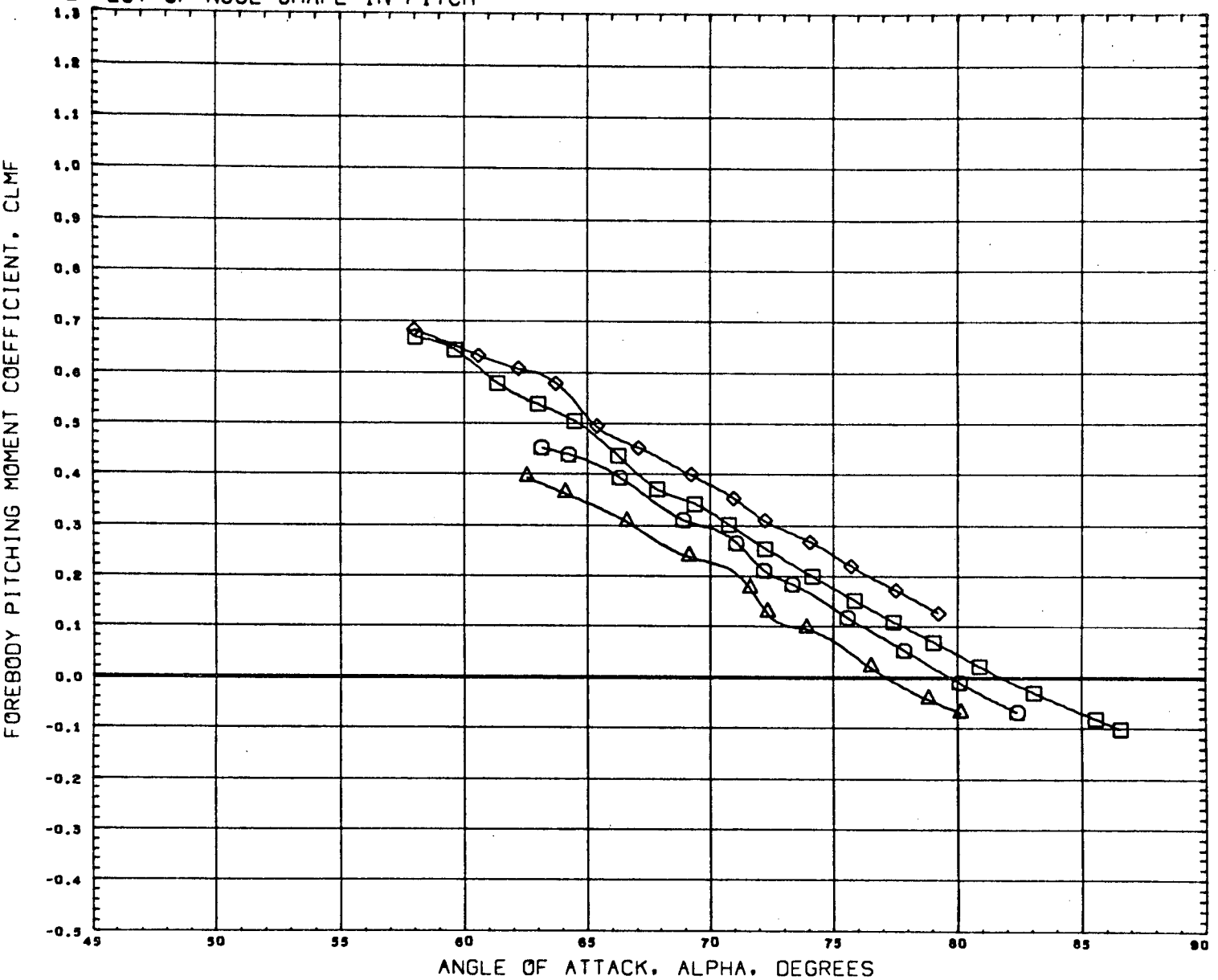


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN PITCH



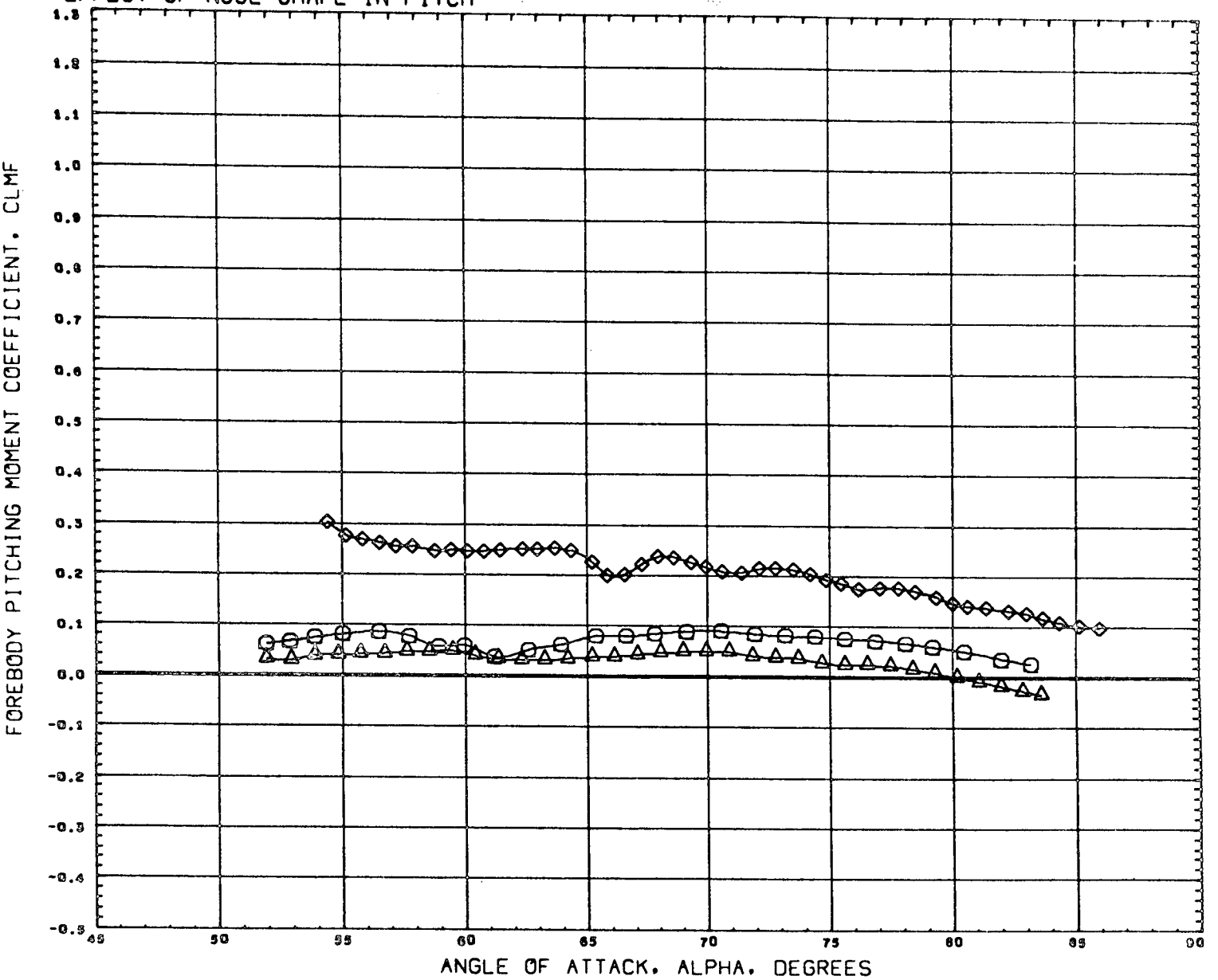
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553	BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN PITCH

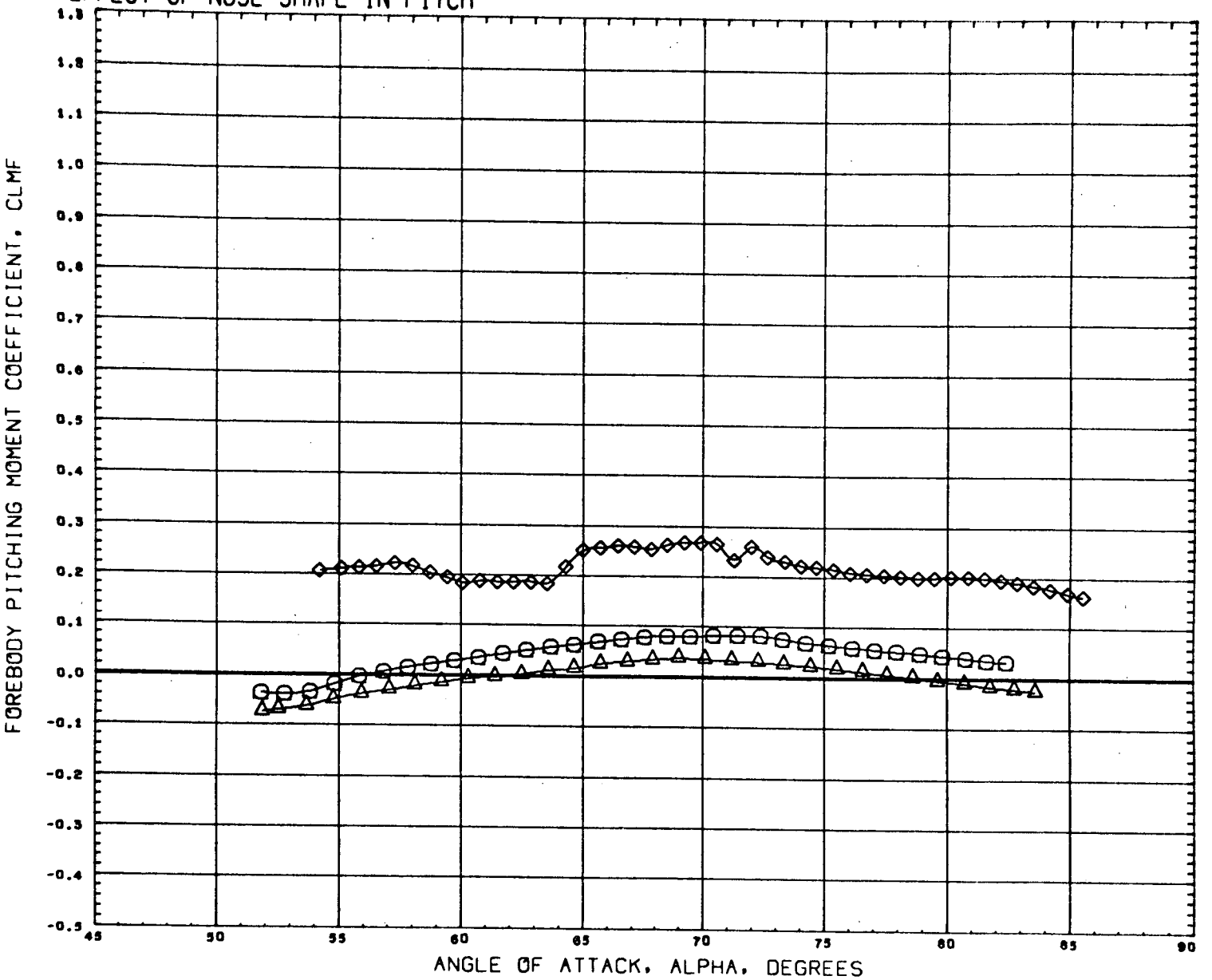


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN PITCH

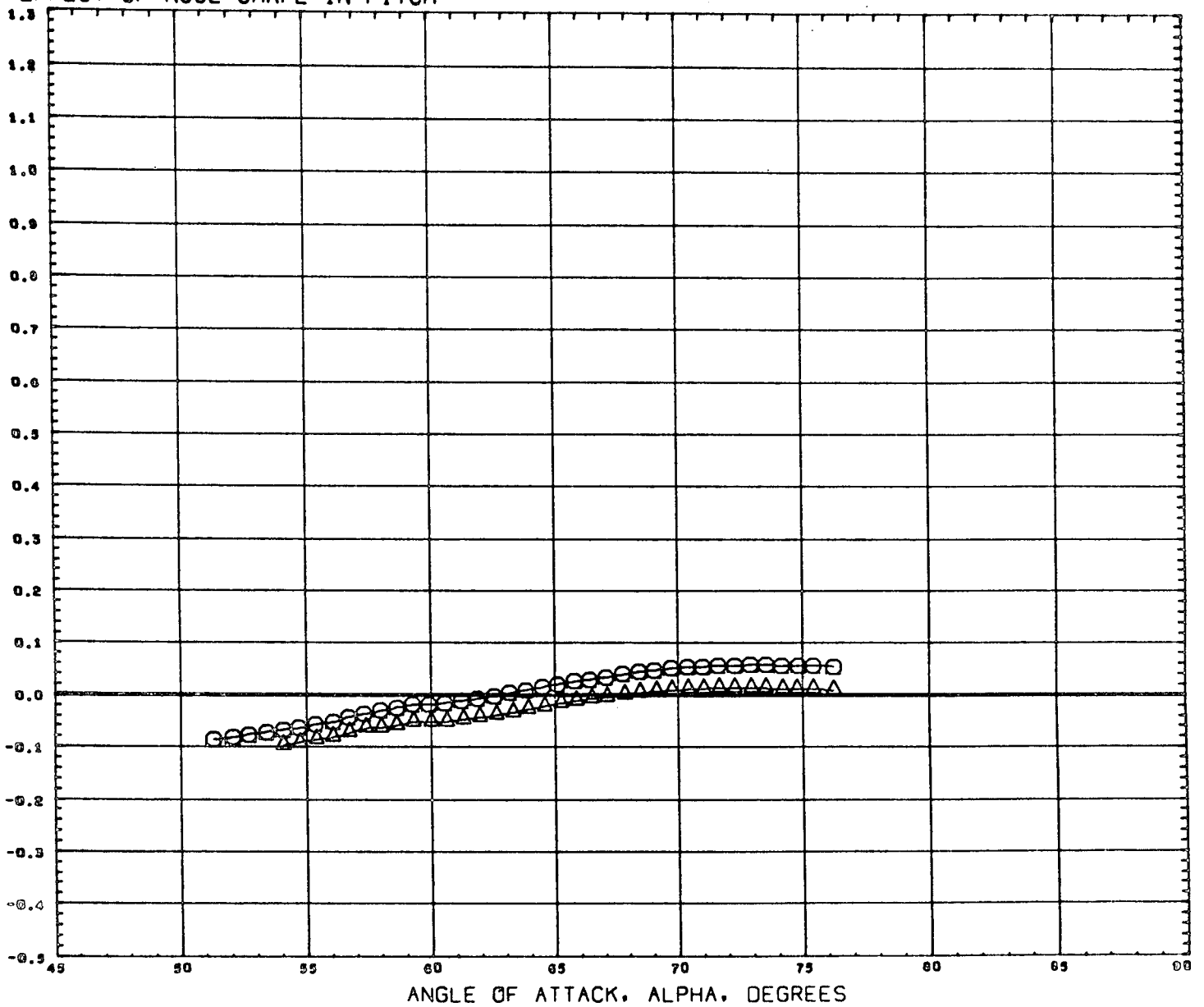


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN PITCH



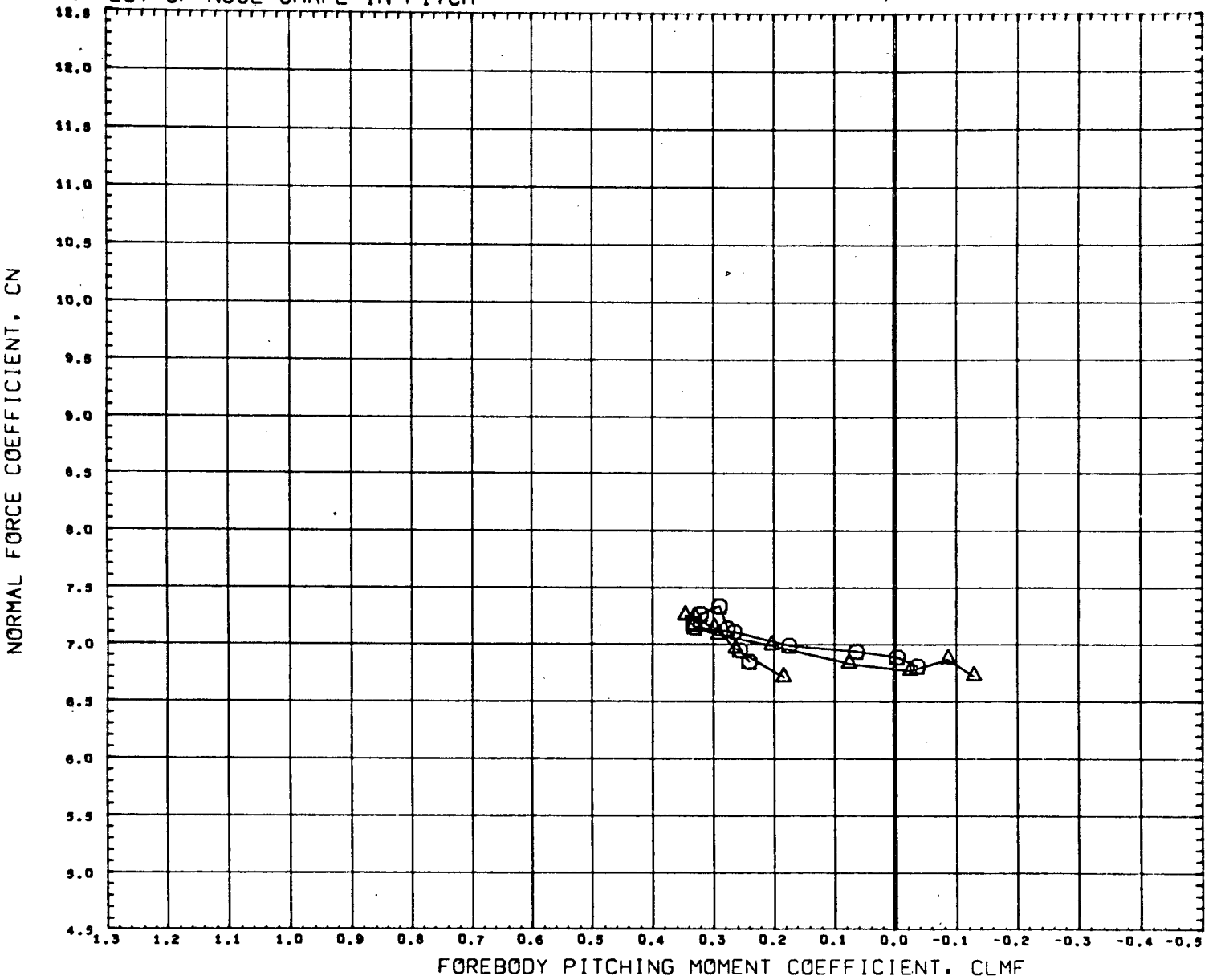
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.98

EFFECT OF NOSE SHAPE IN PITCH

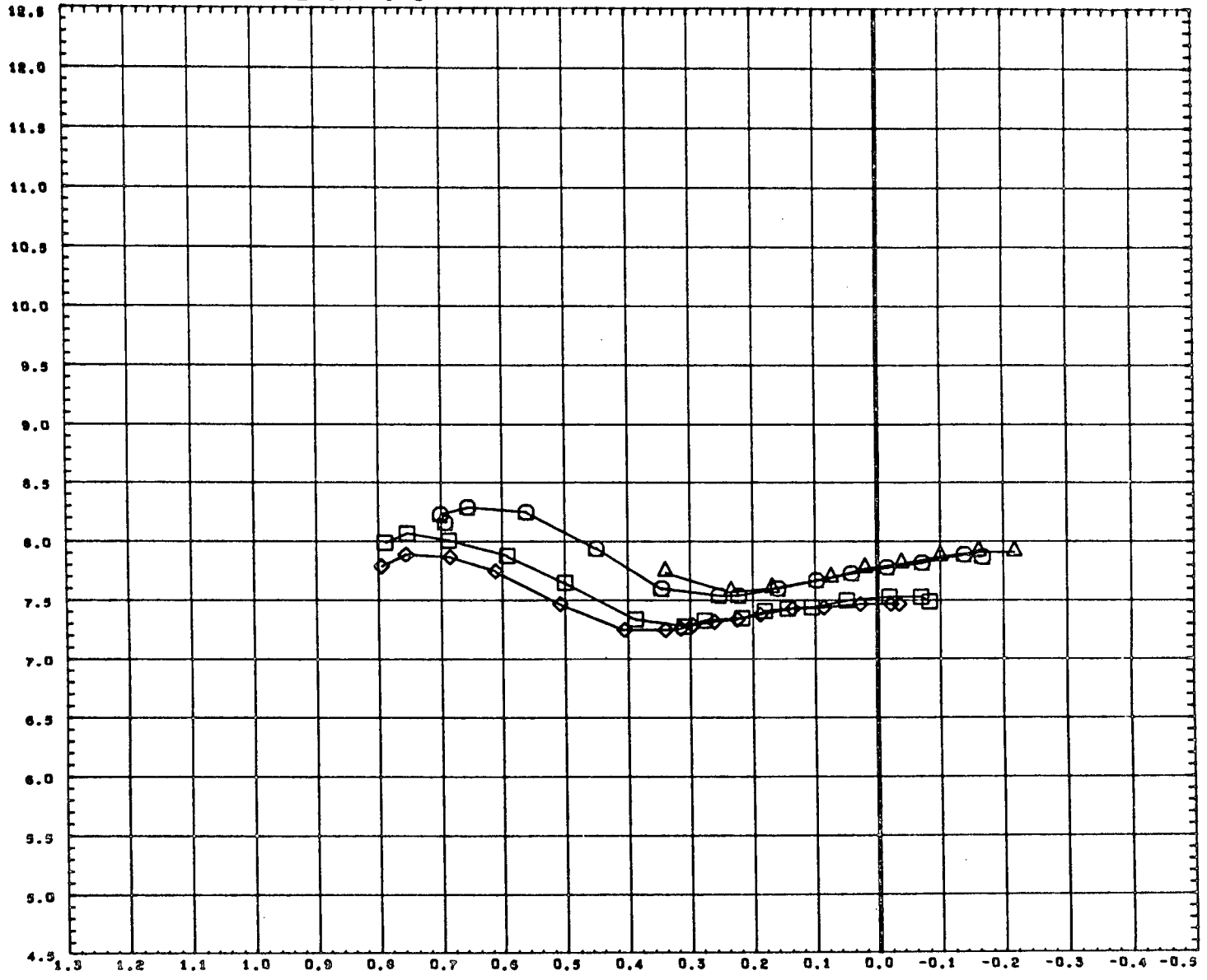


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .60

EFFECT OF NOSE SHAPE IN PITCH

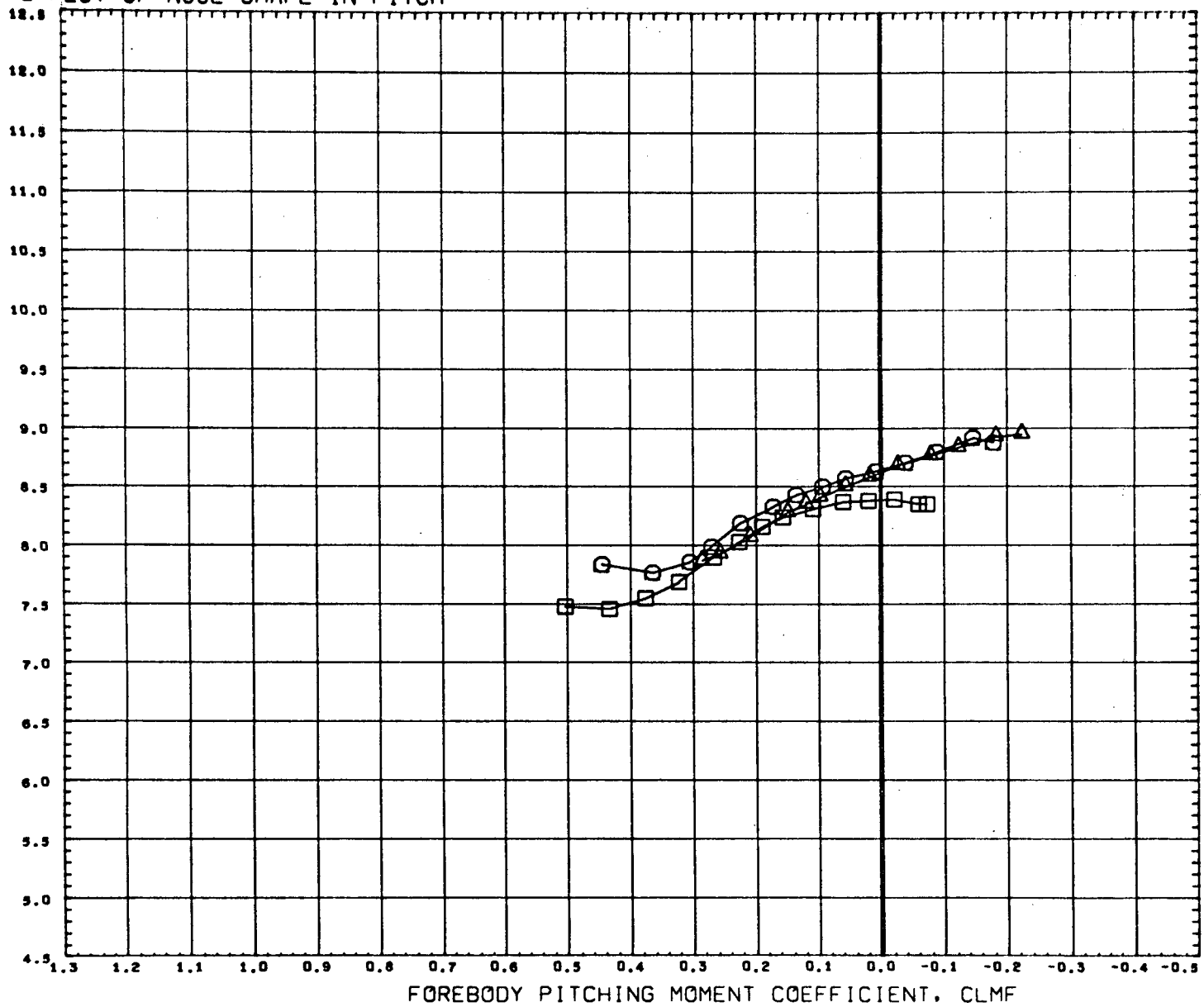


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN PITCH

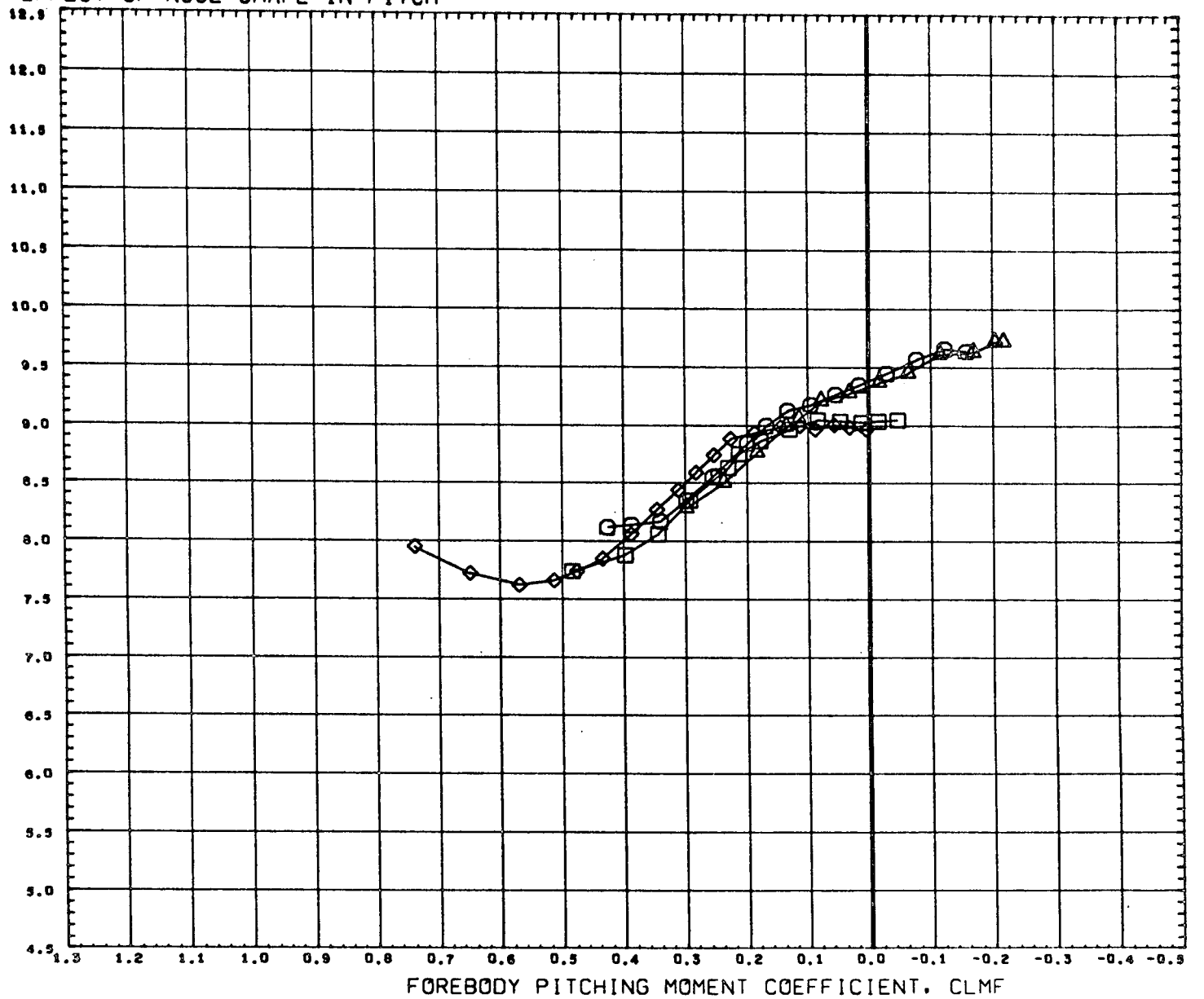


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN PITCH

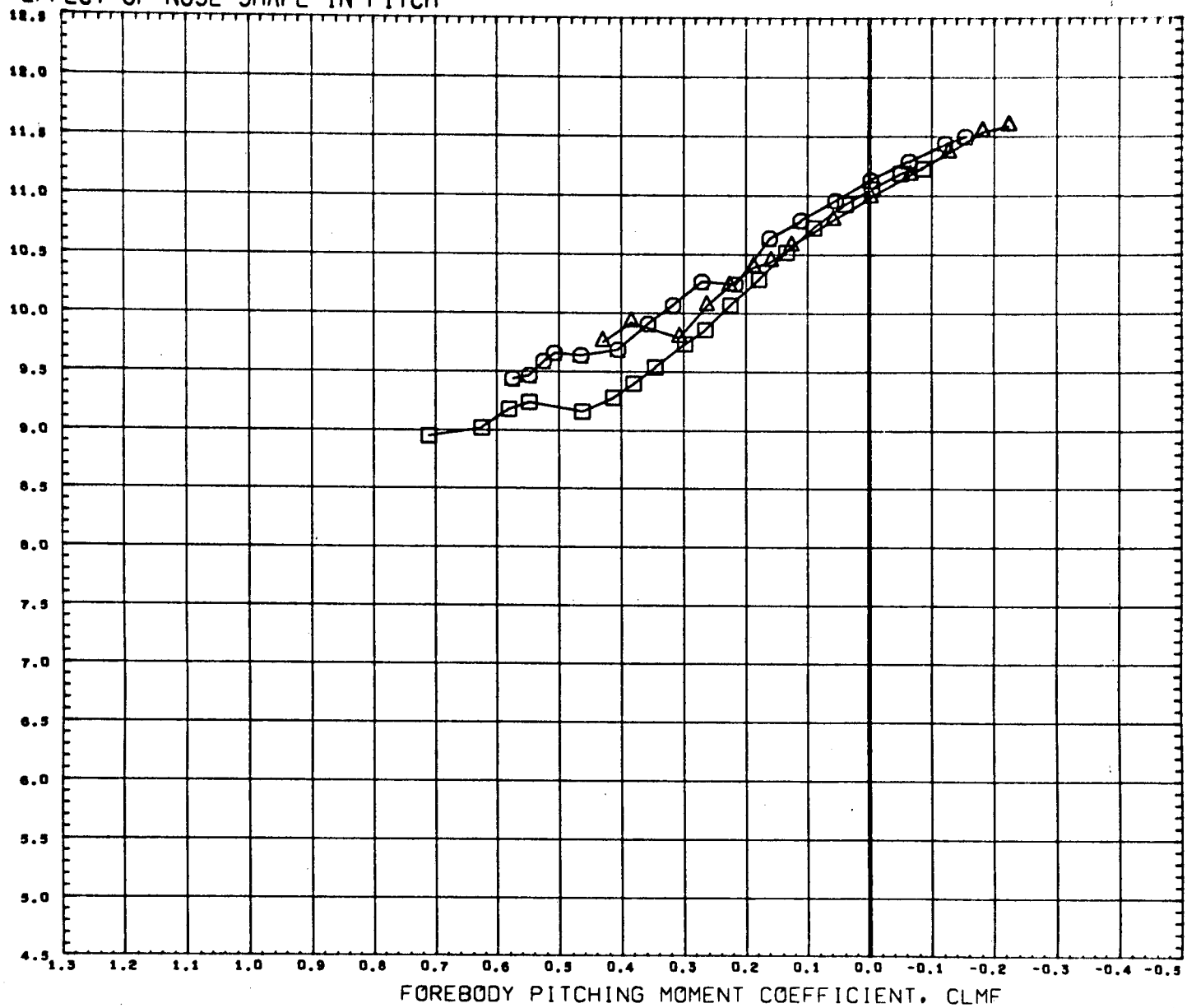


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN PITCH



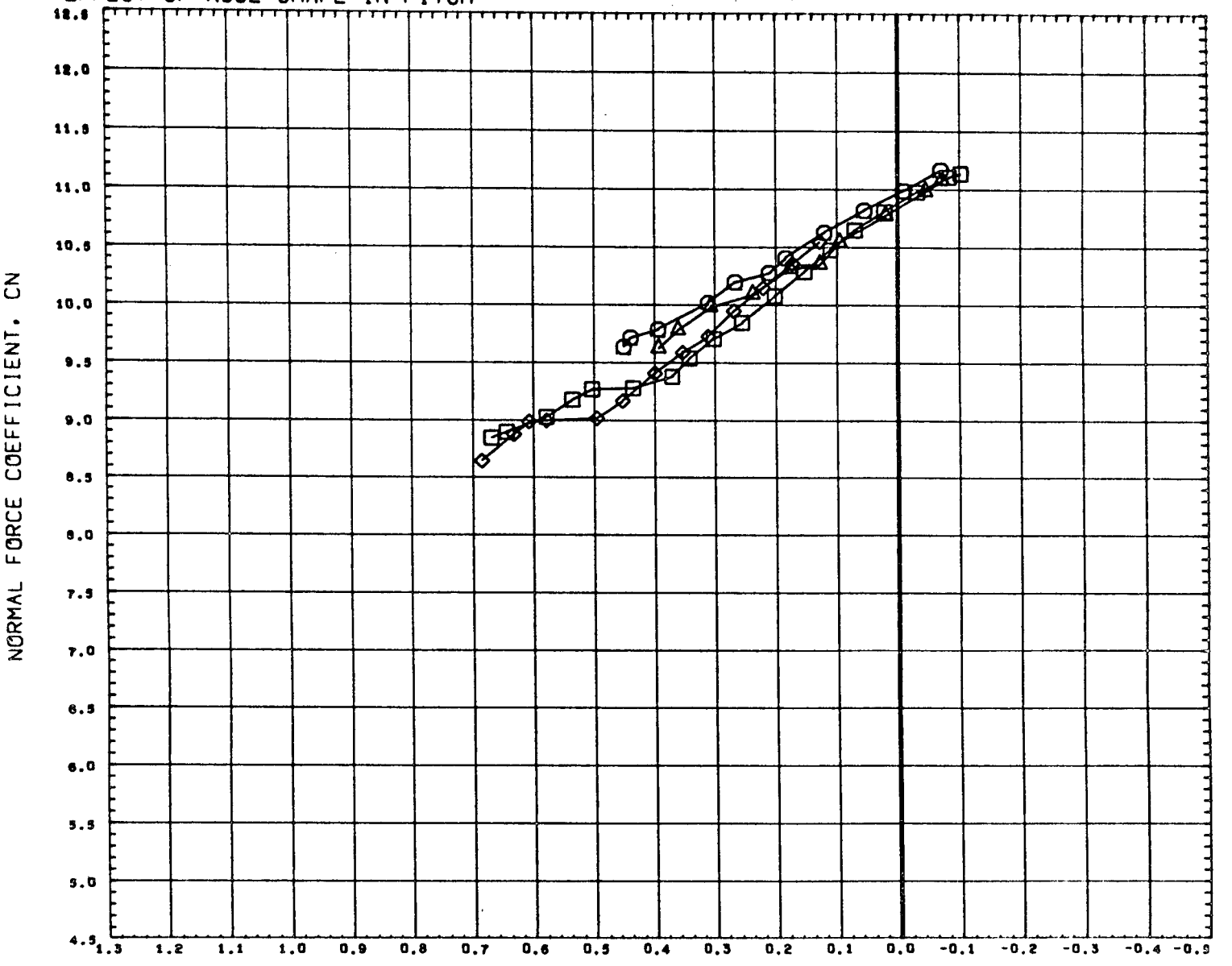
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4031)	⊠	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN PITCH

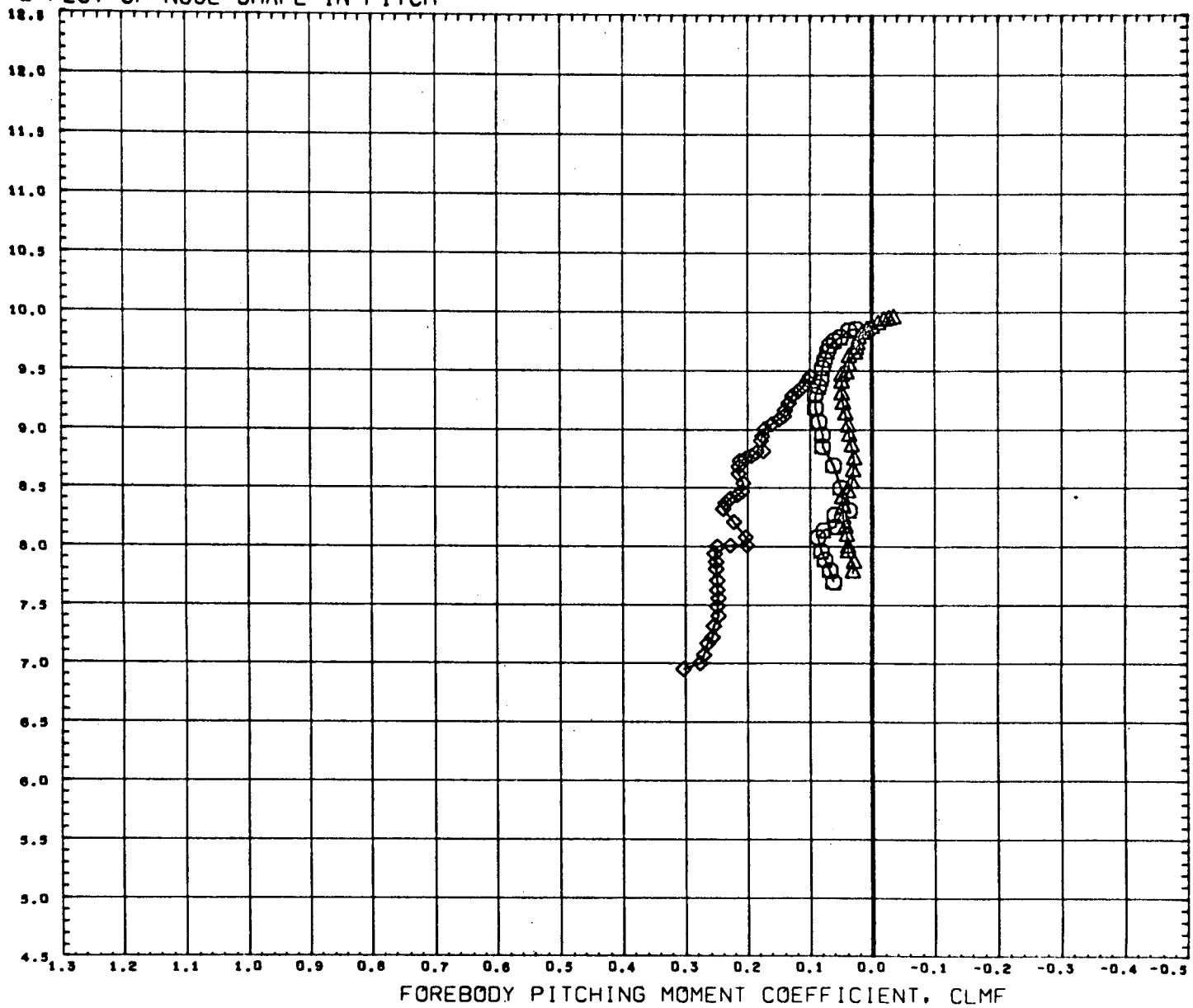


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	⊠	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN PITCH



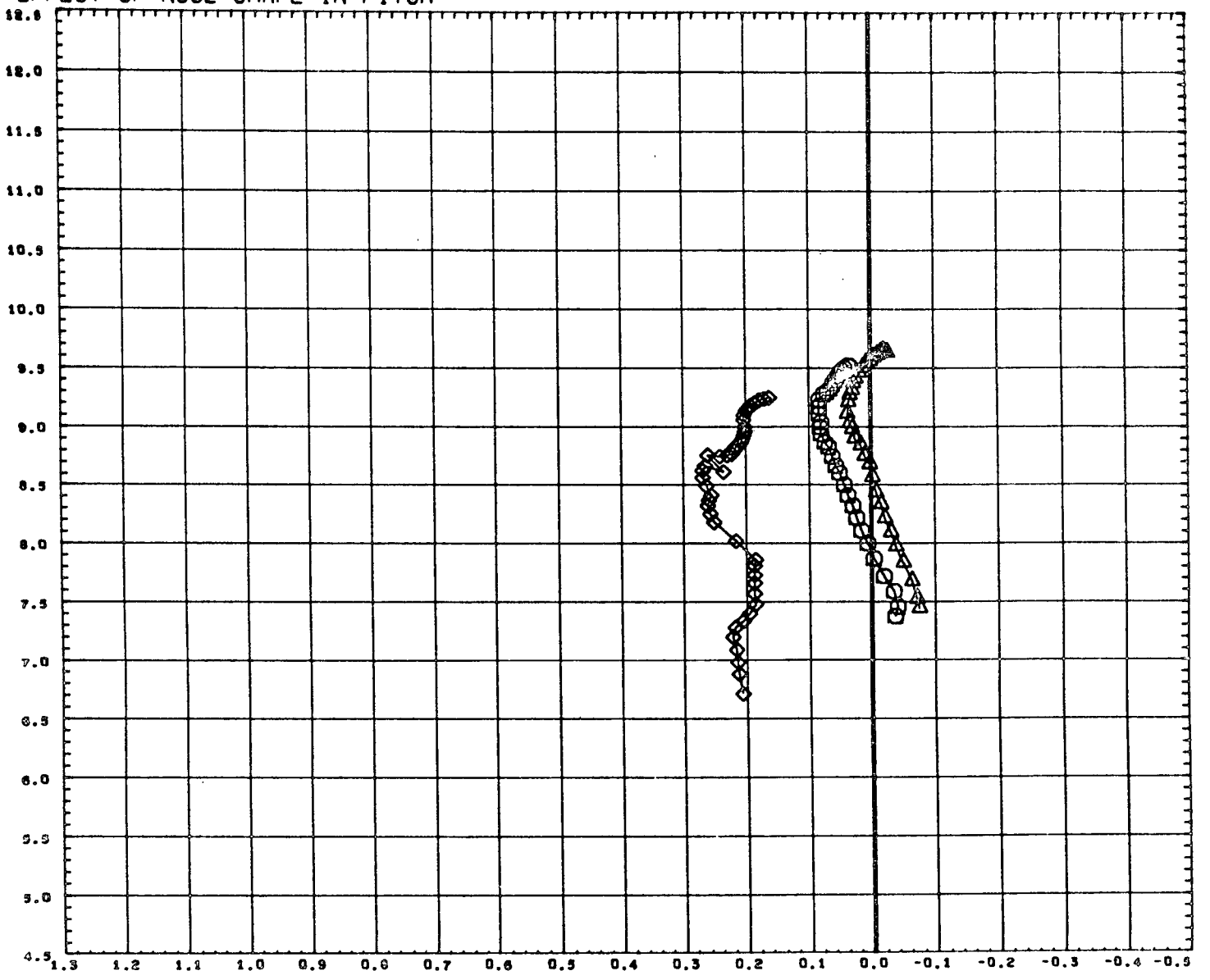
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN PITCH

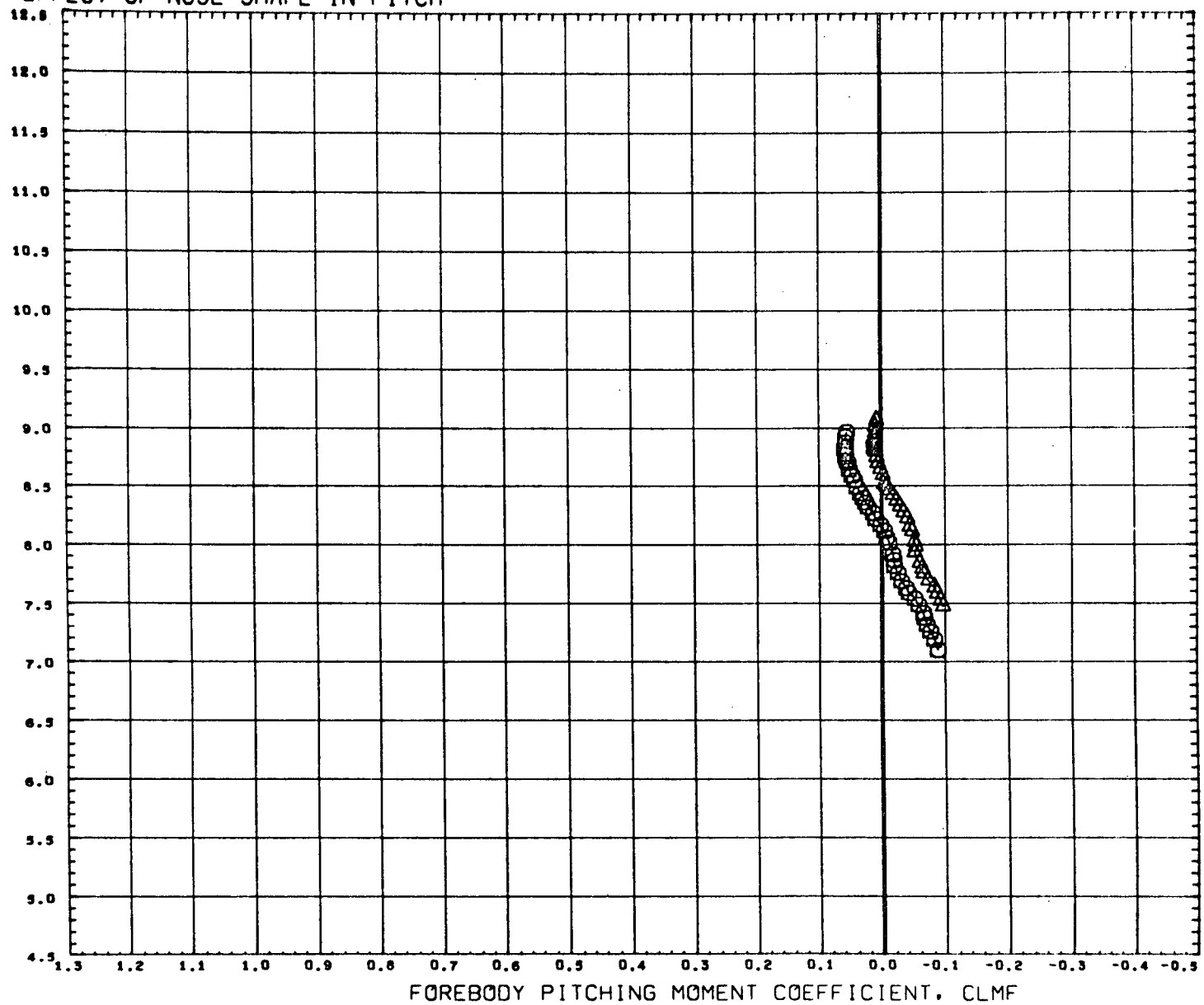


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN PITCH

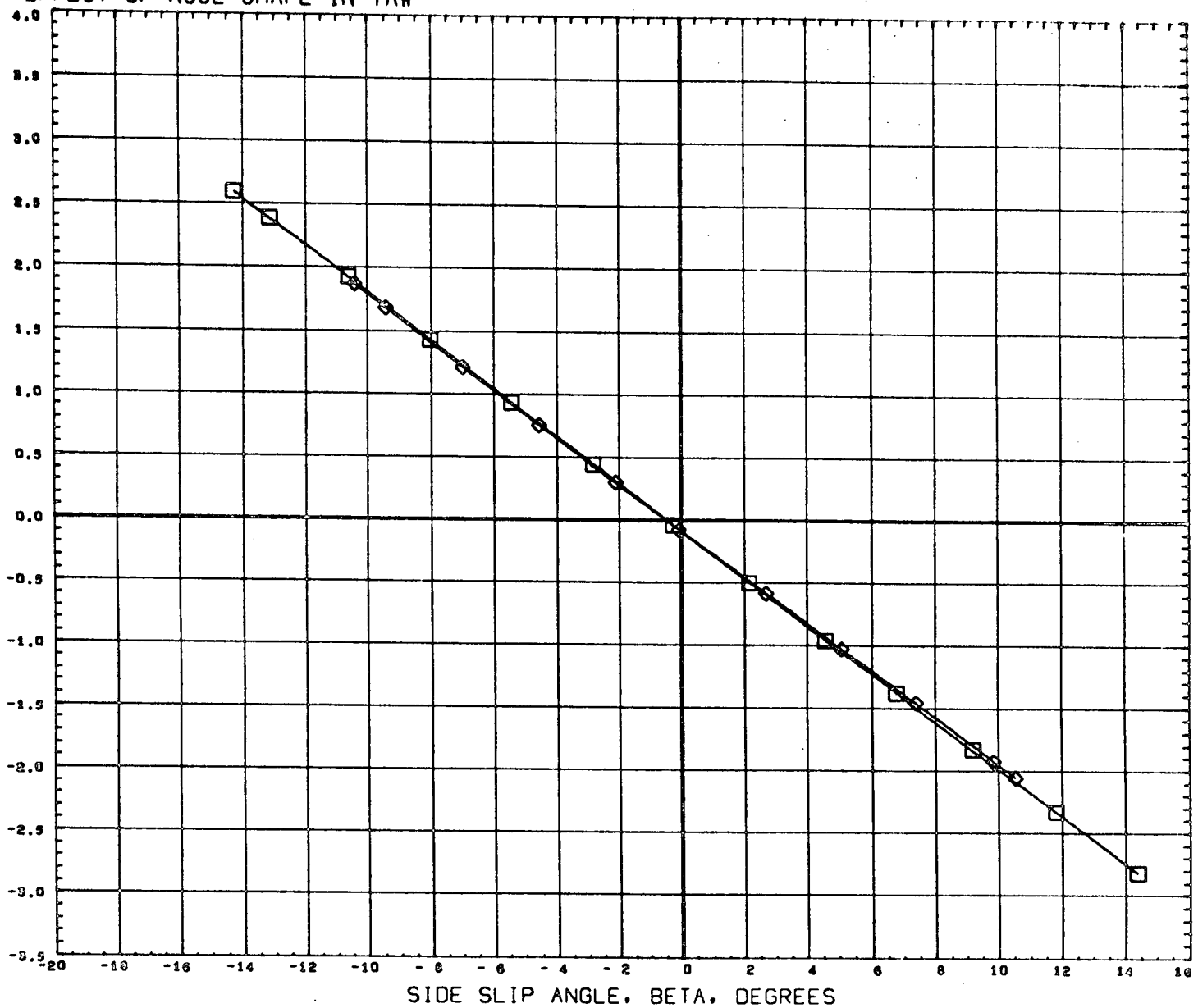


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(CD4051)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	0.000
(BD4061)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000
(BD4071)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF NOSE SHAPE IN YAW



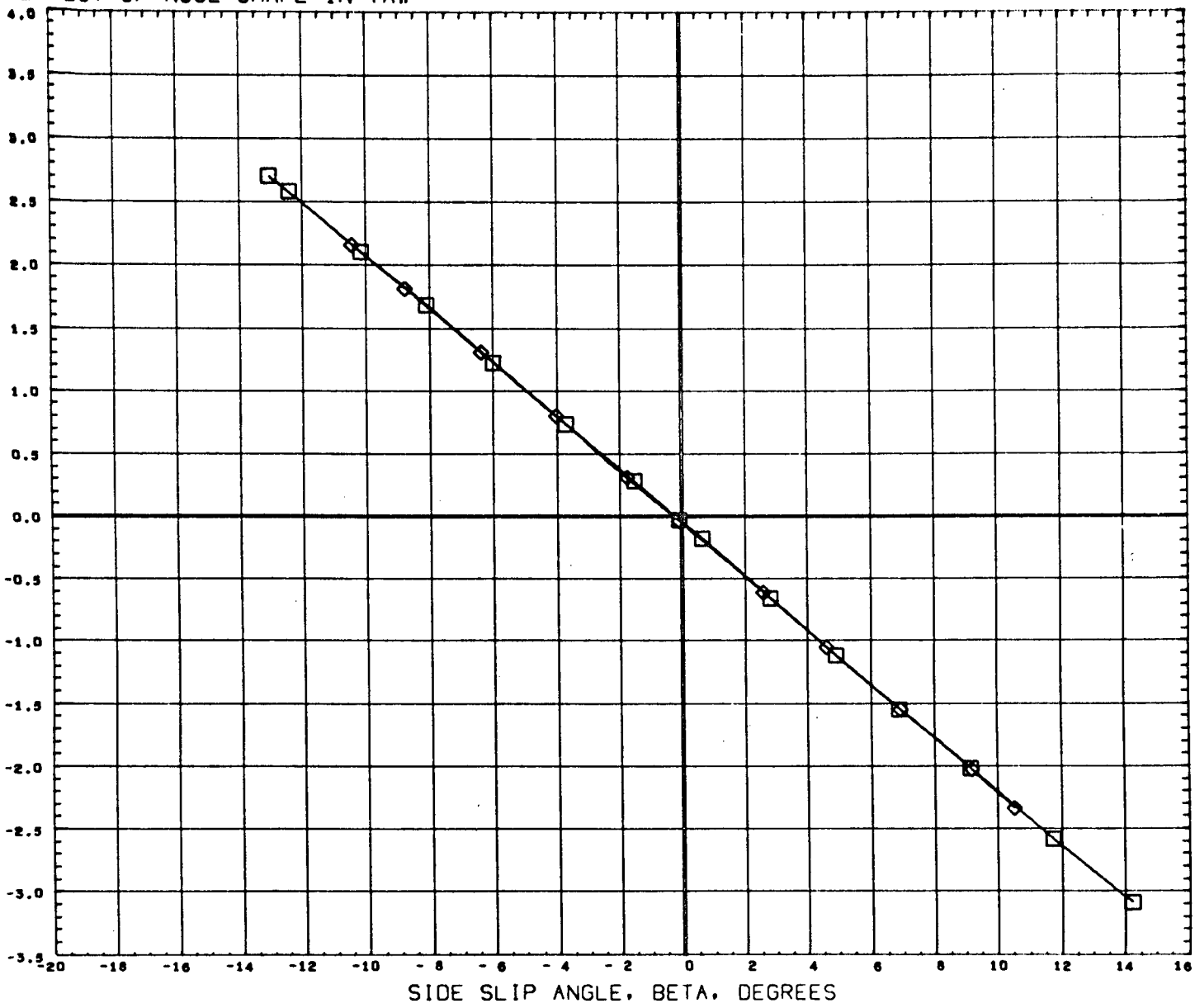
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN YAW



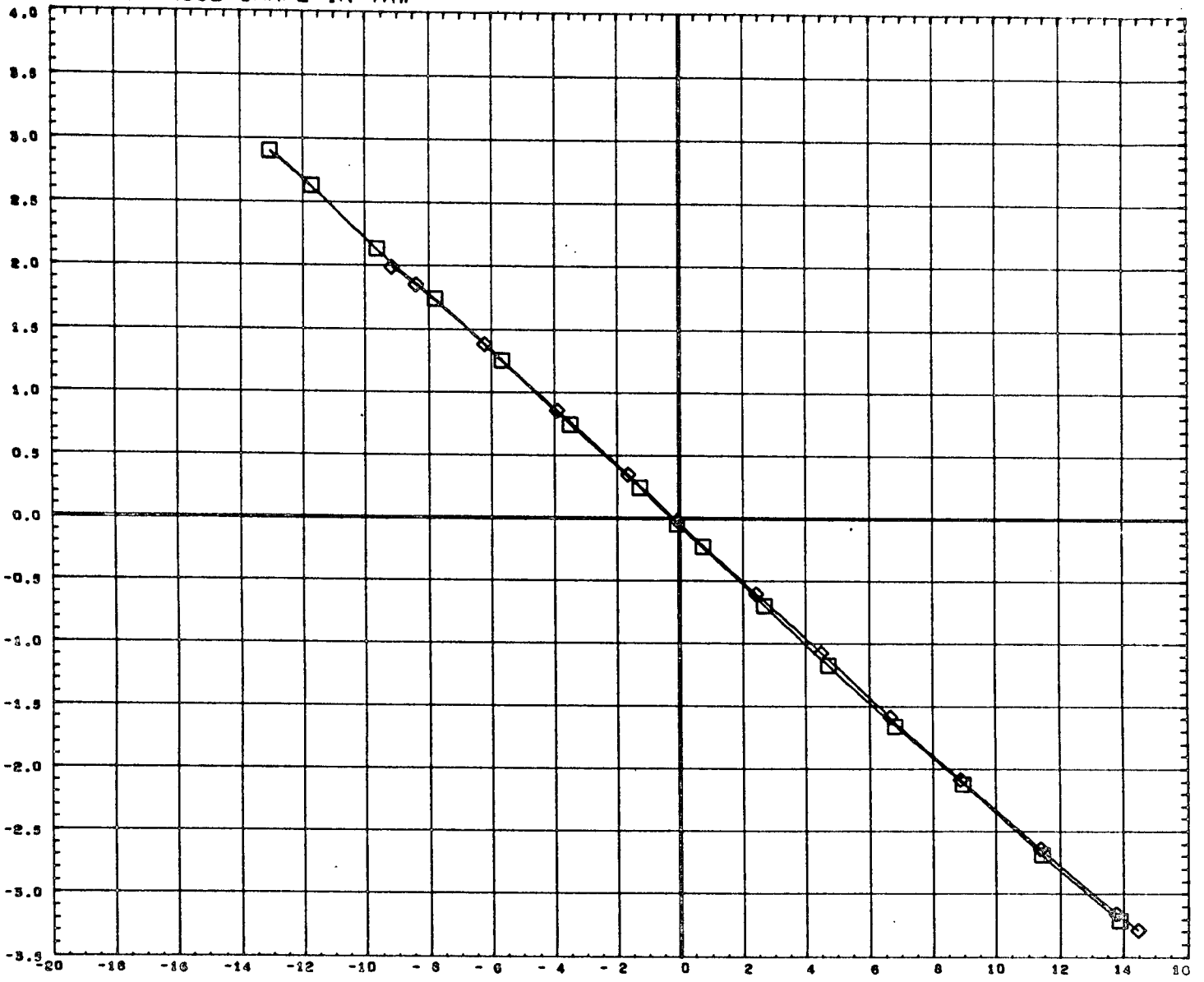
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN YAW

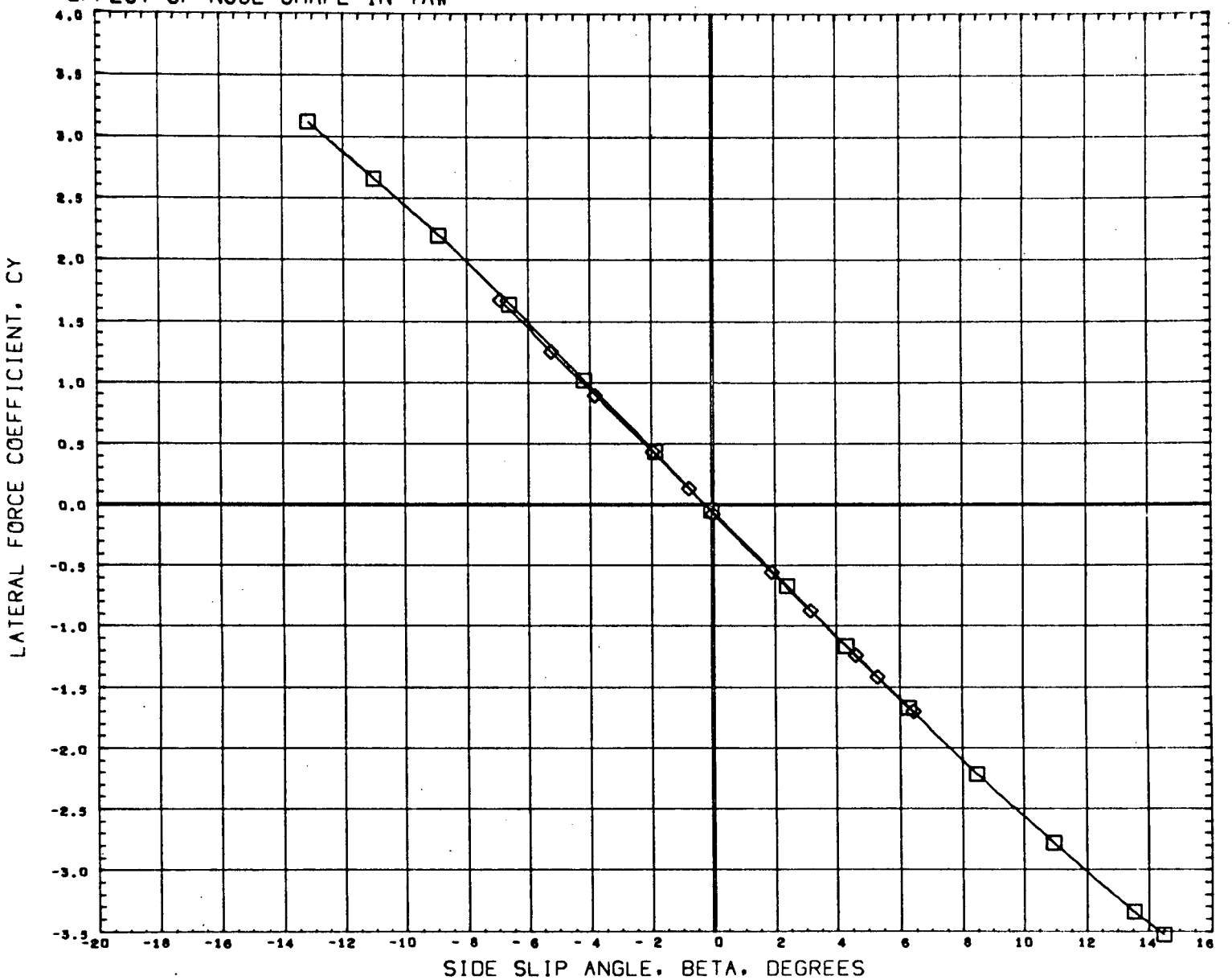


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN YAW

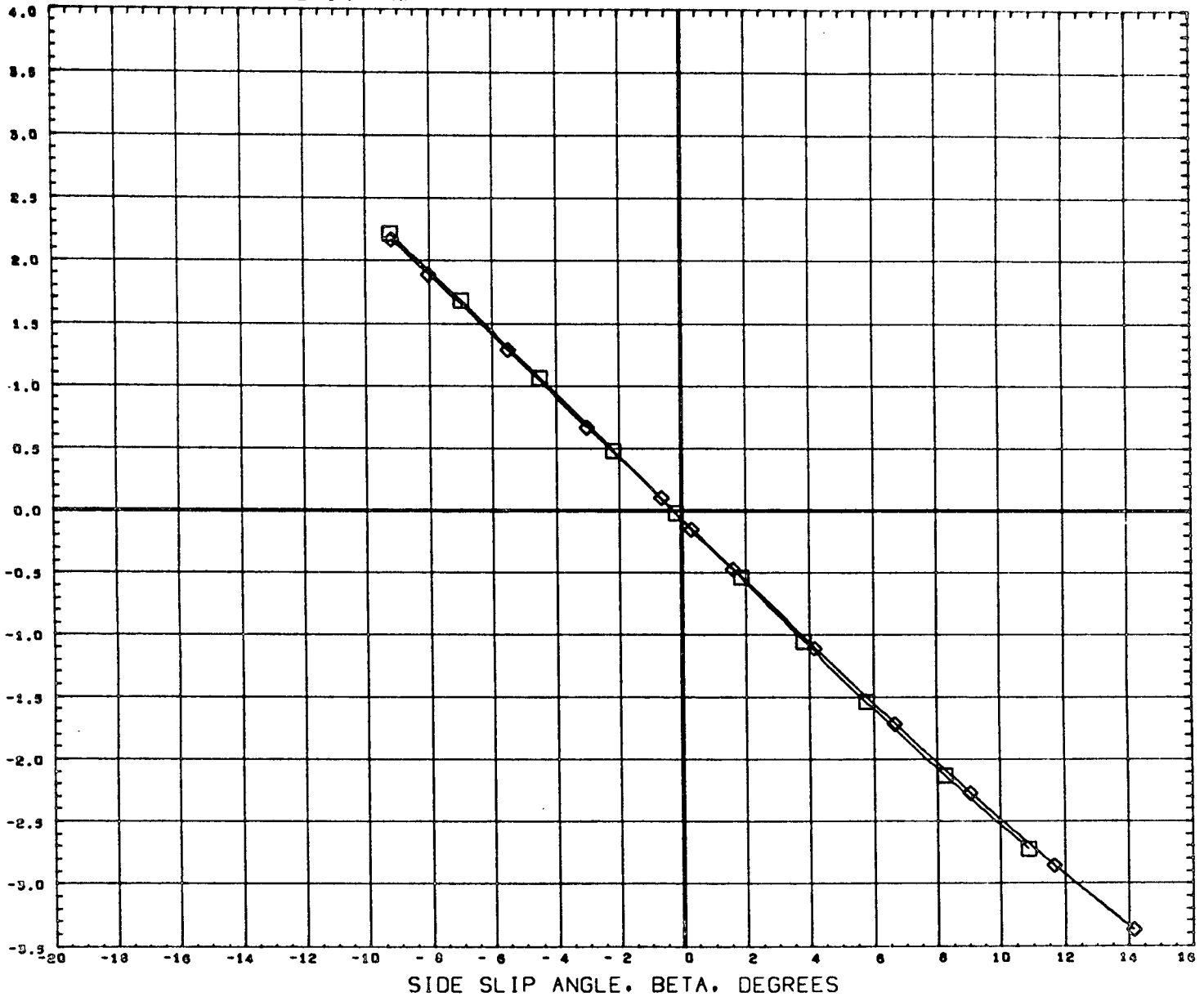


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN YAW

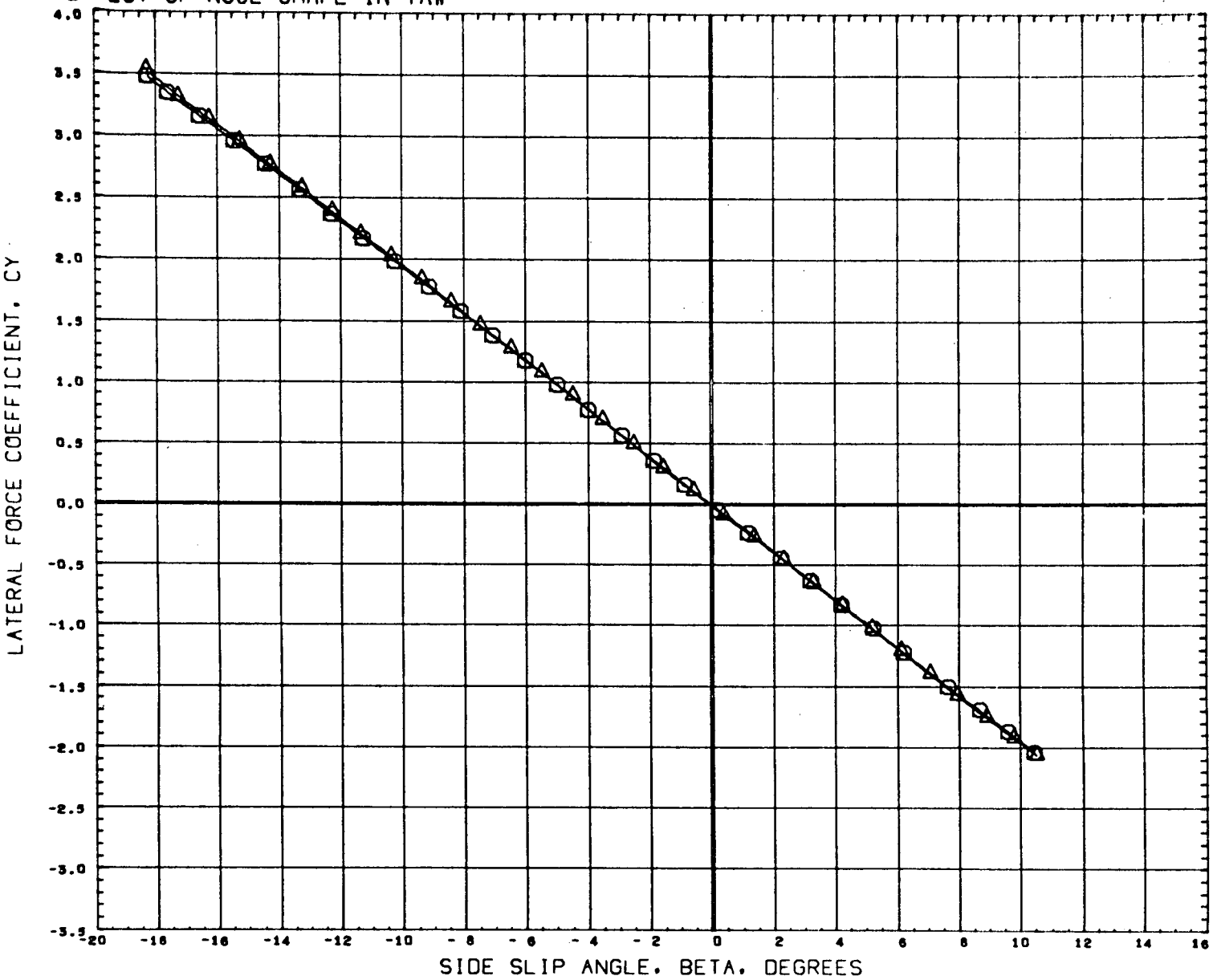


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN YAW

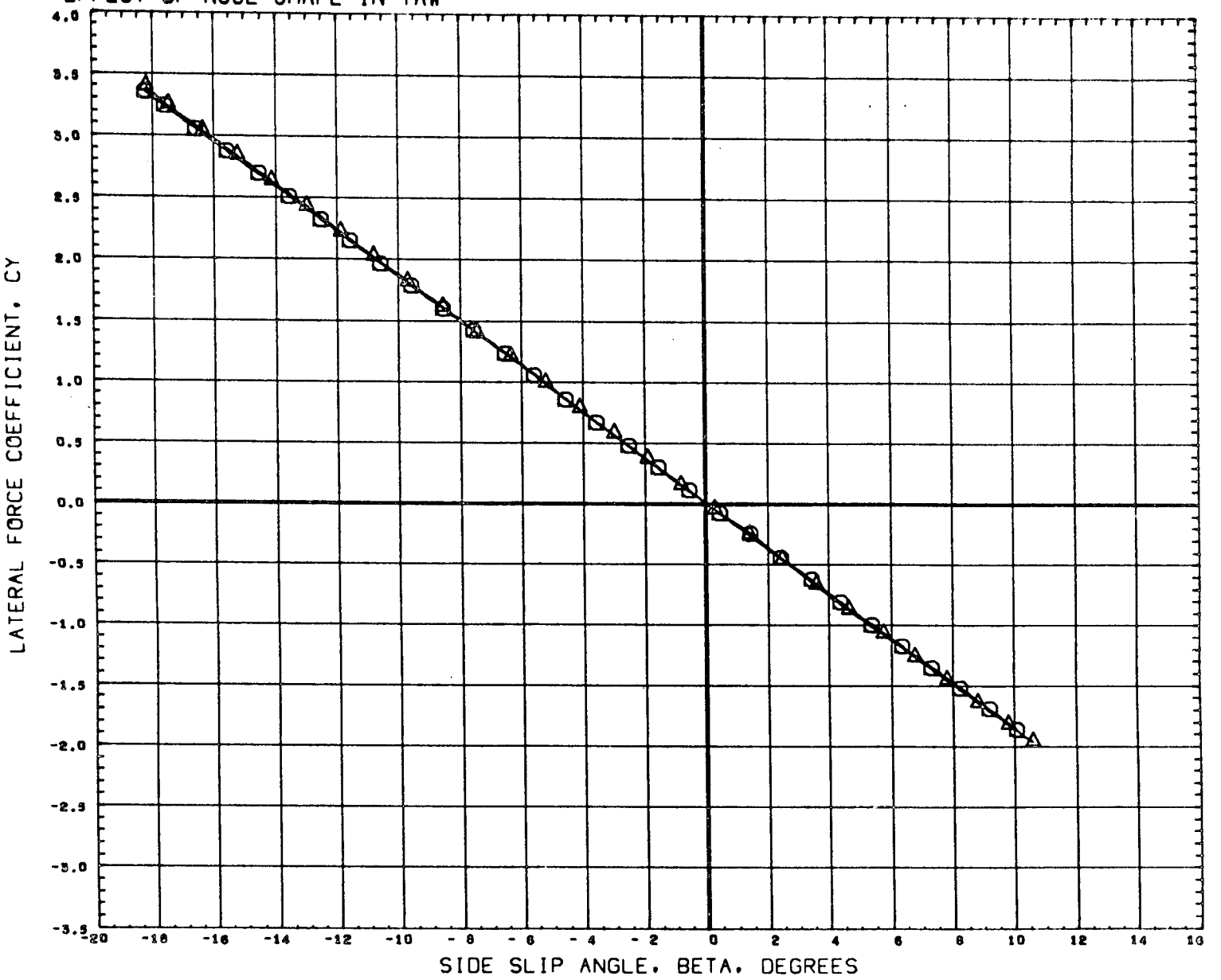


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4053)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4054)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN YAW

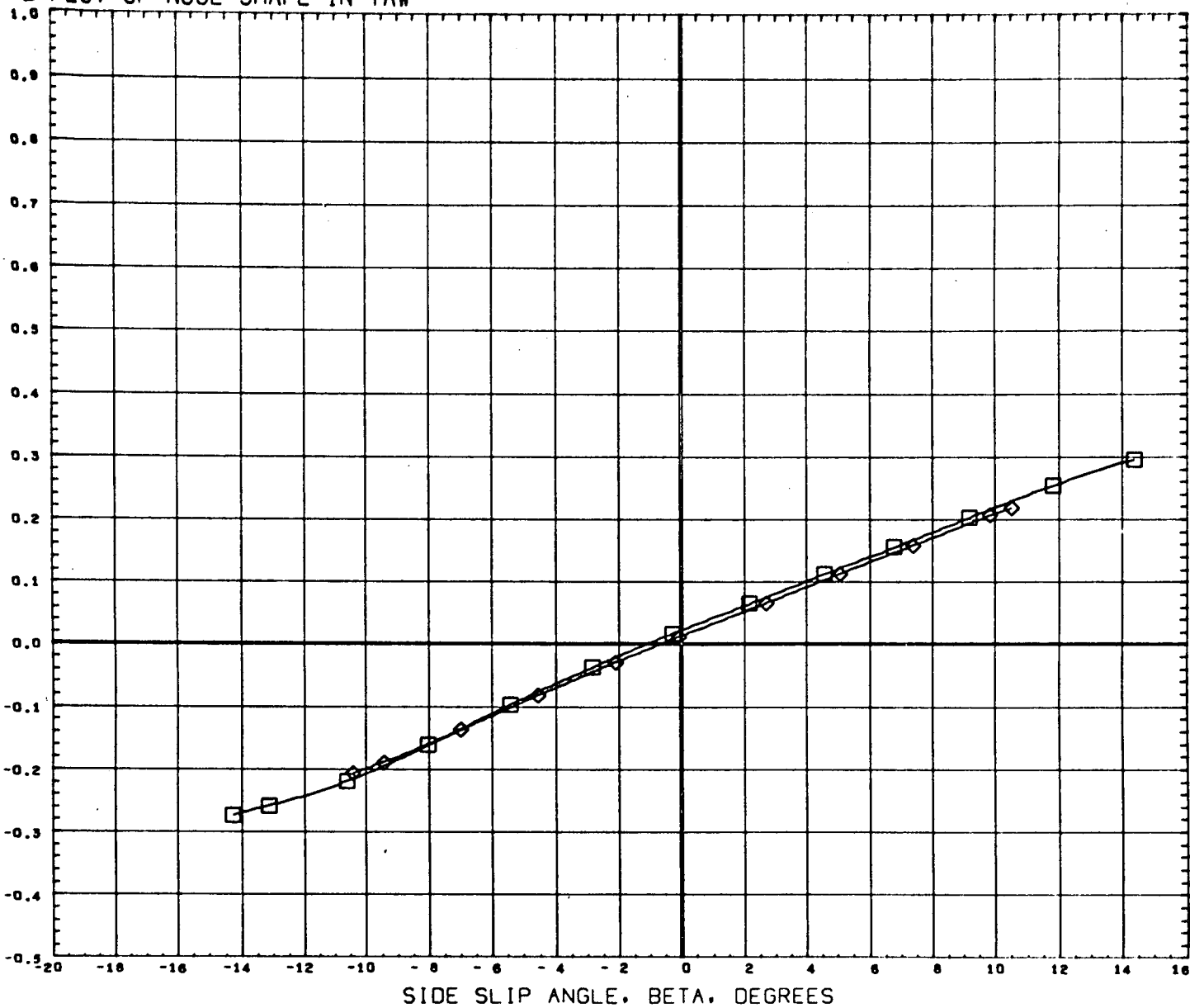


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4053)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4054)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN YAW



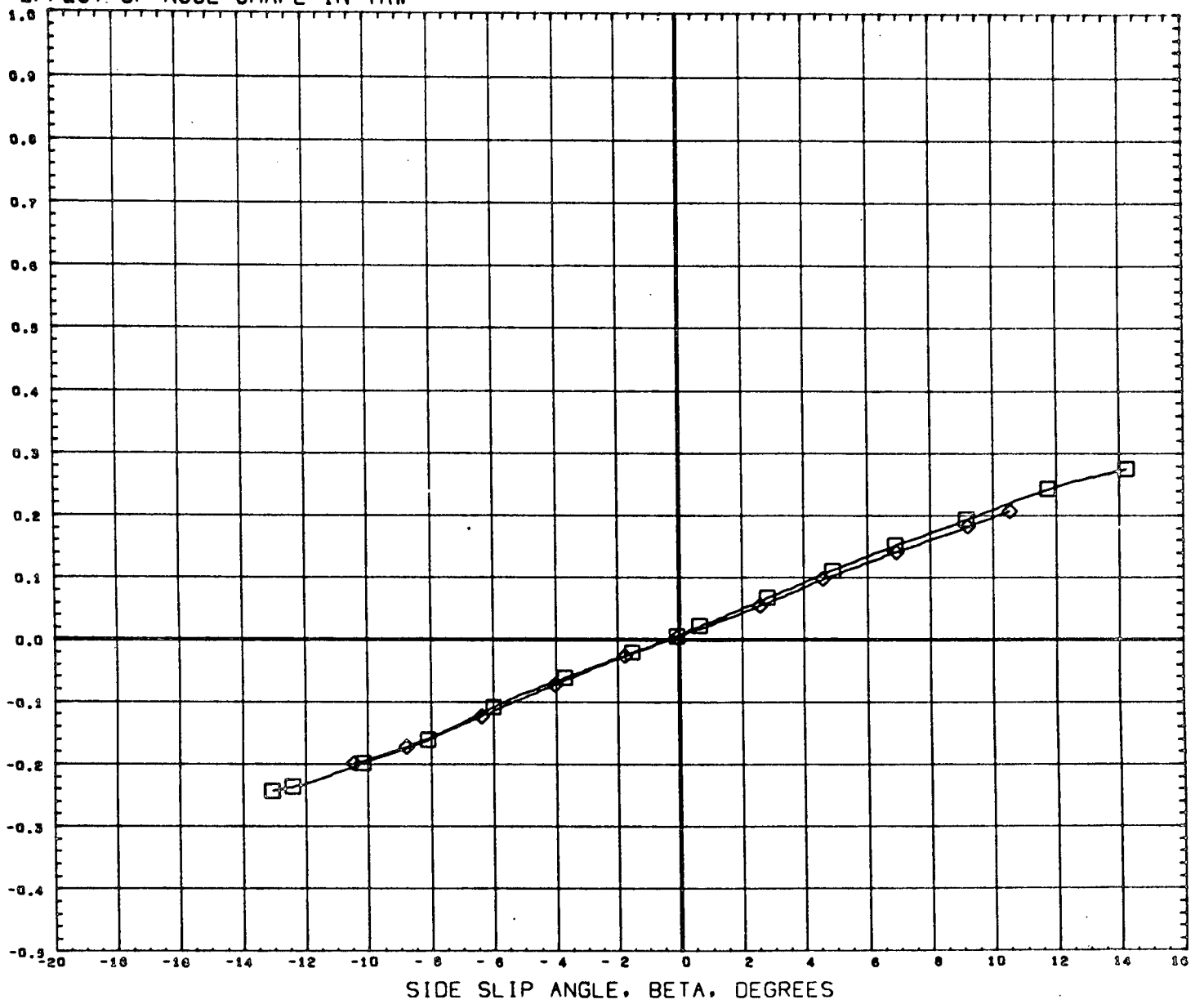
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN YAW

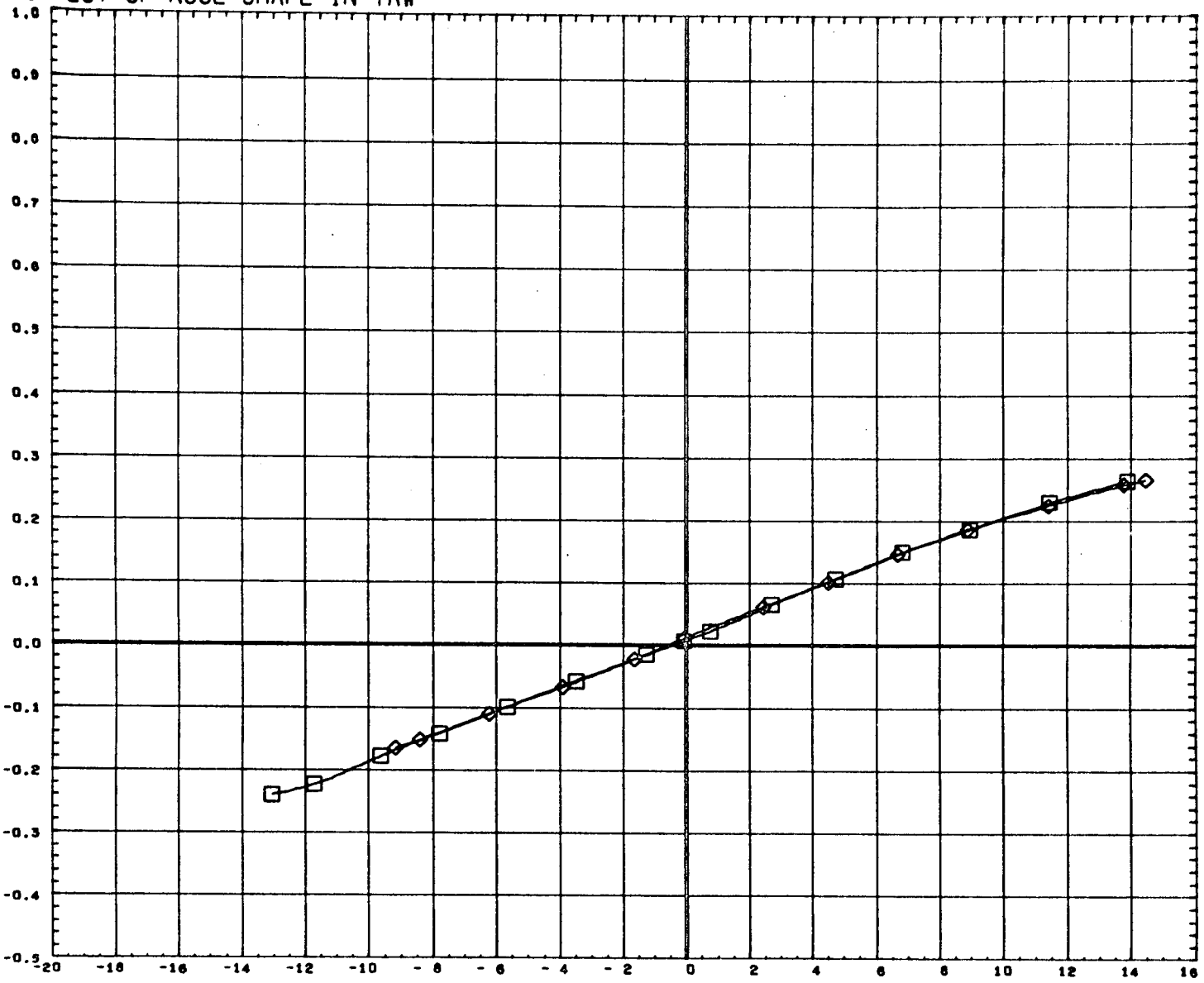


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 593 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 593 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN YAW



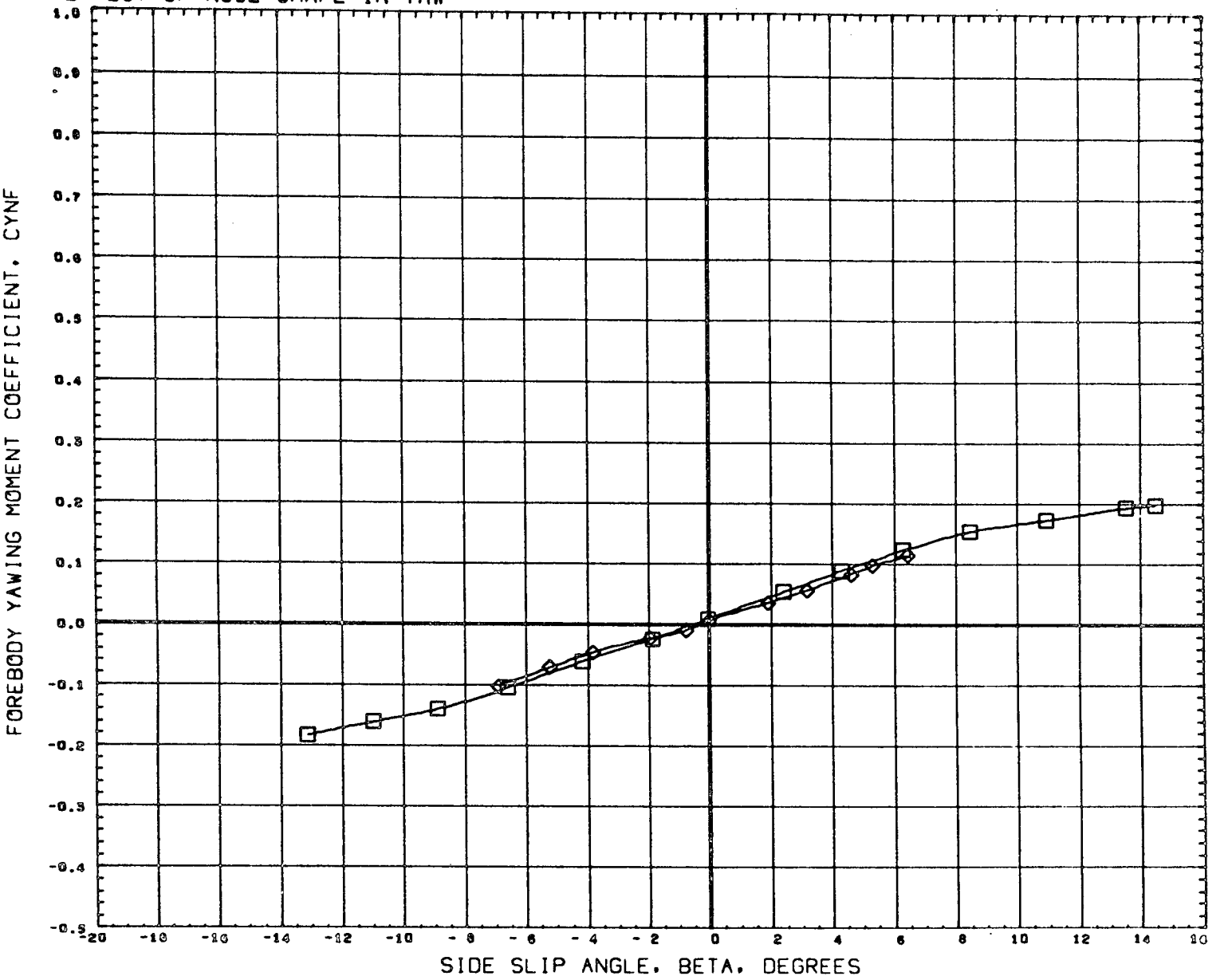
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN YAW

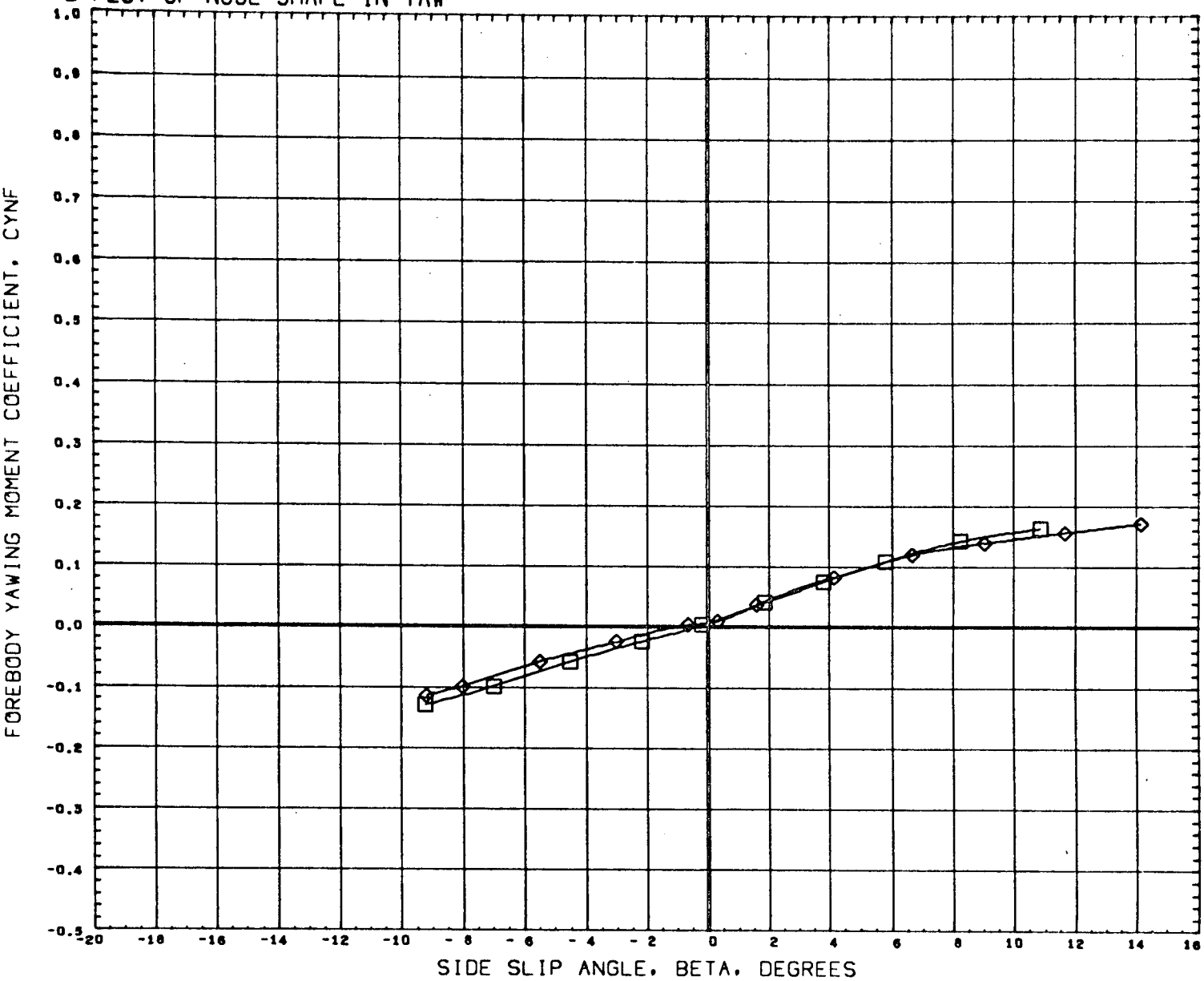


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	⊠	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 993 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 993 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN YAW

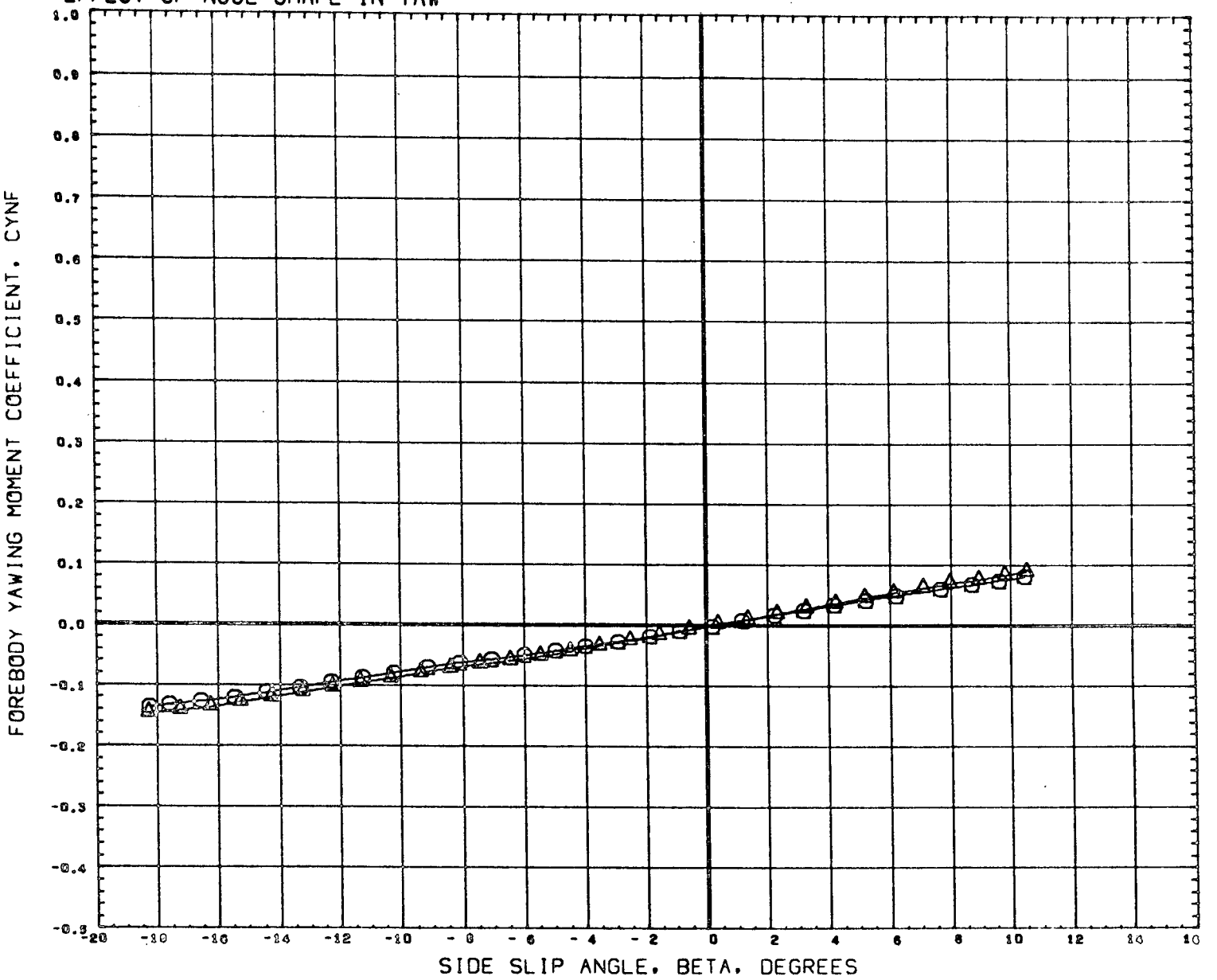


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN YAW



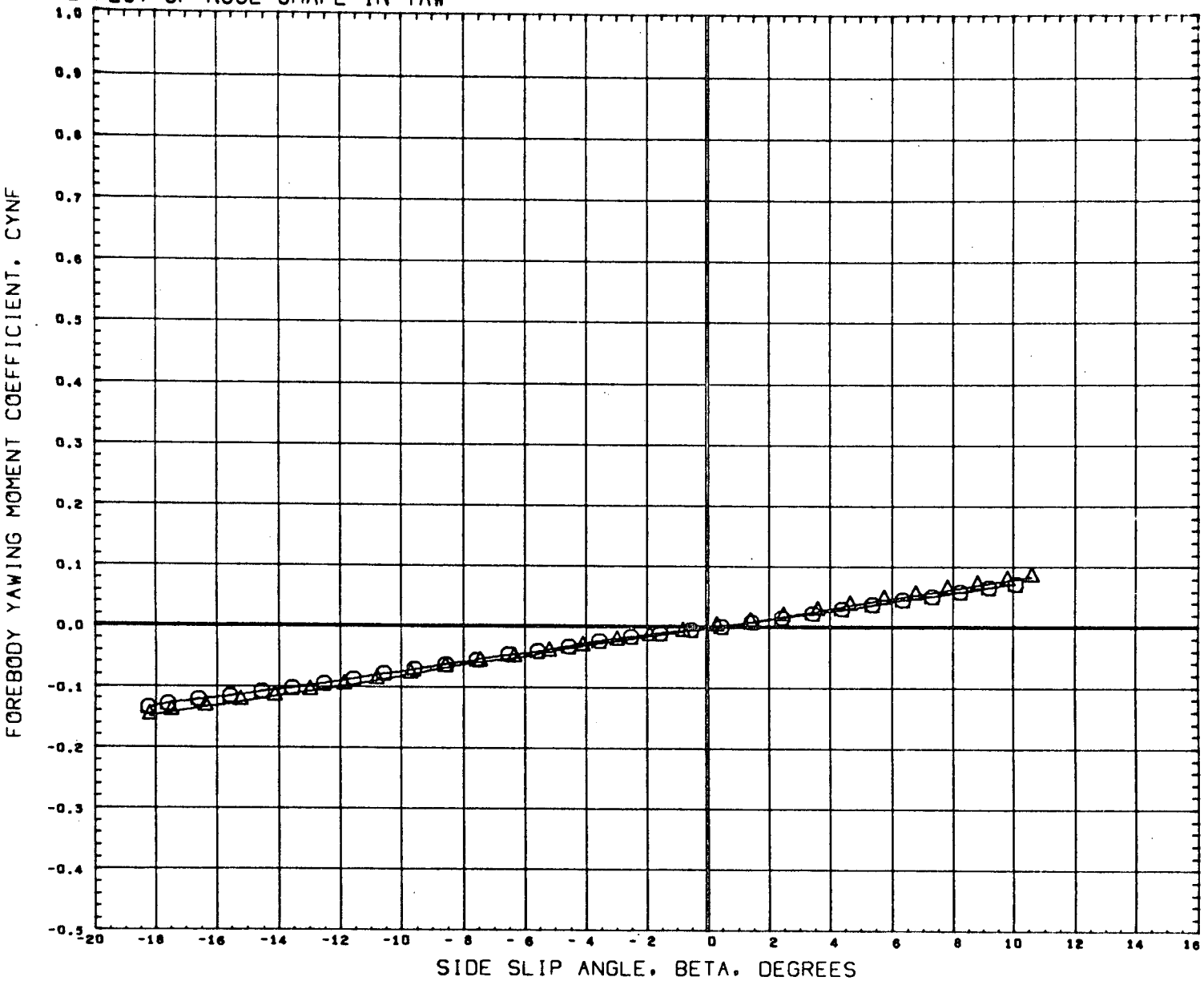
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4034)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN YAW



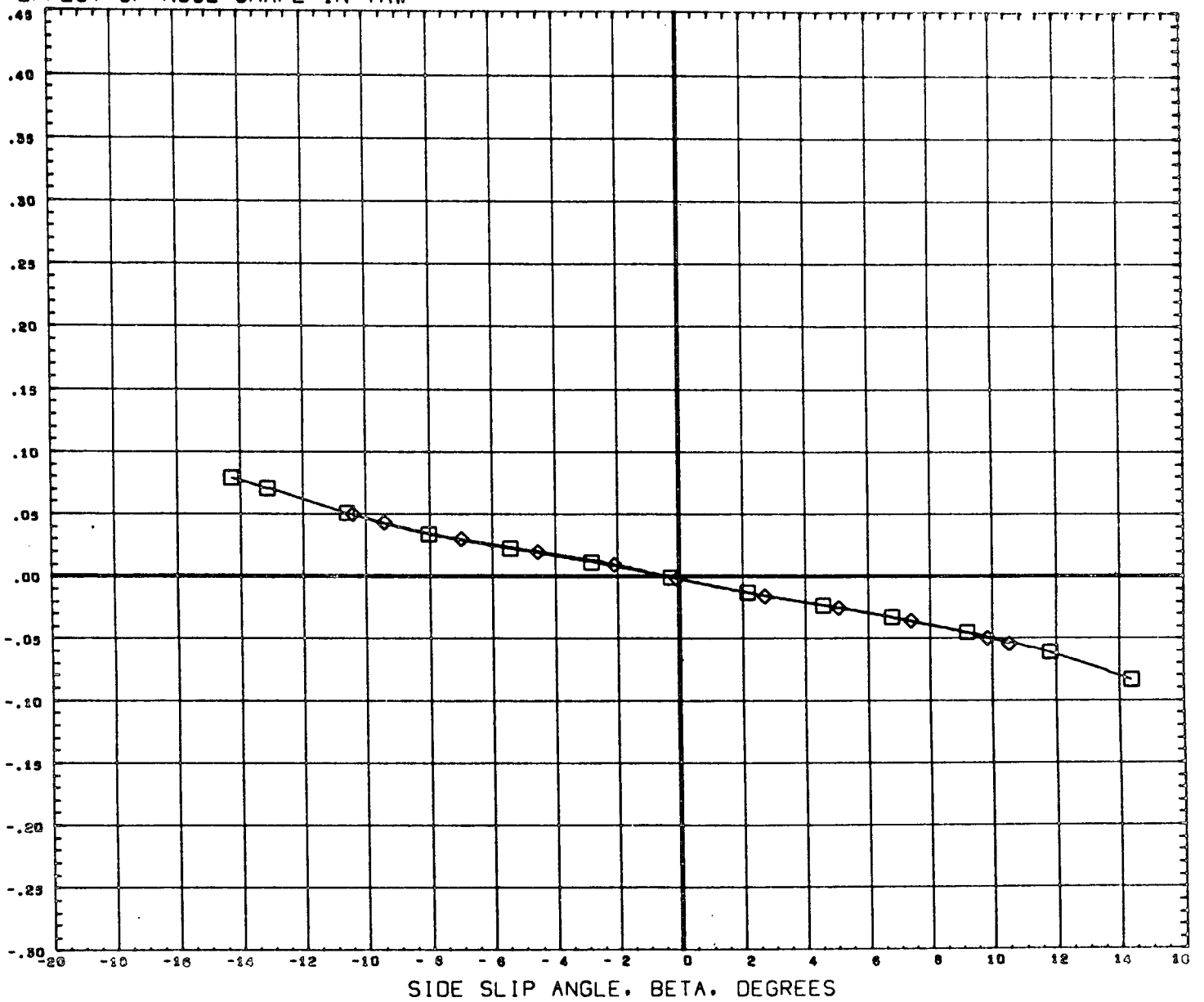
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4034)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN YAW

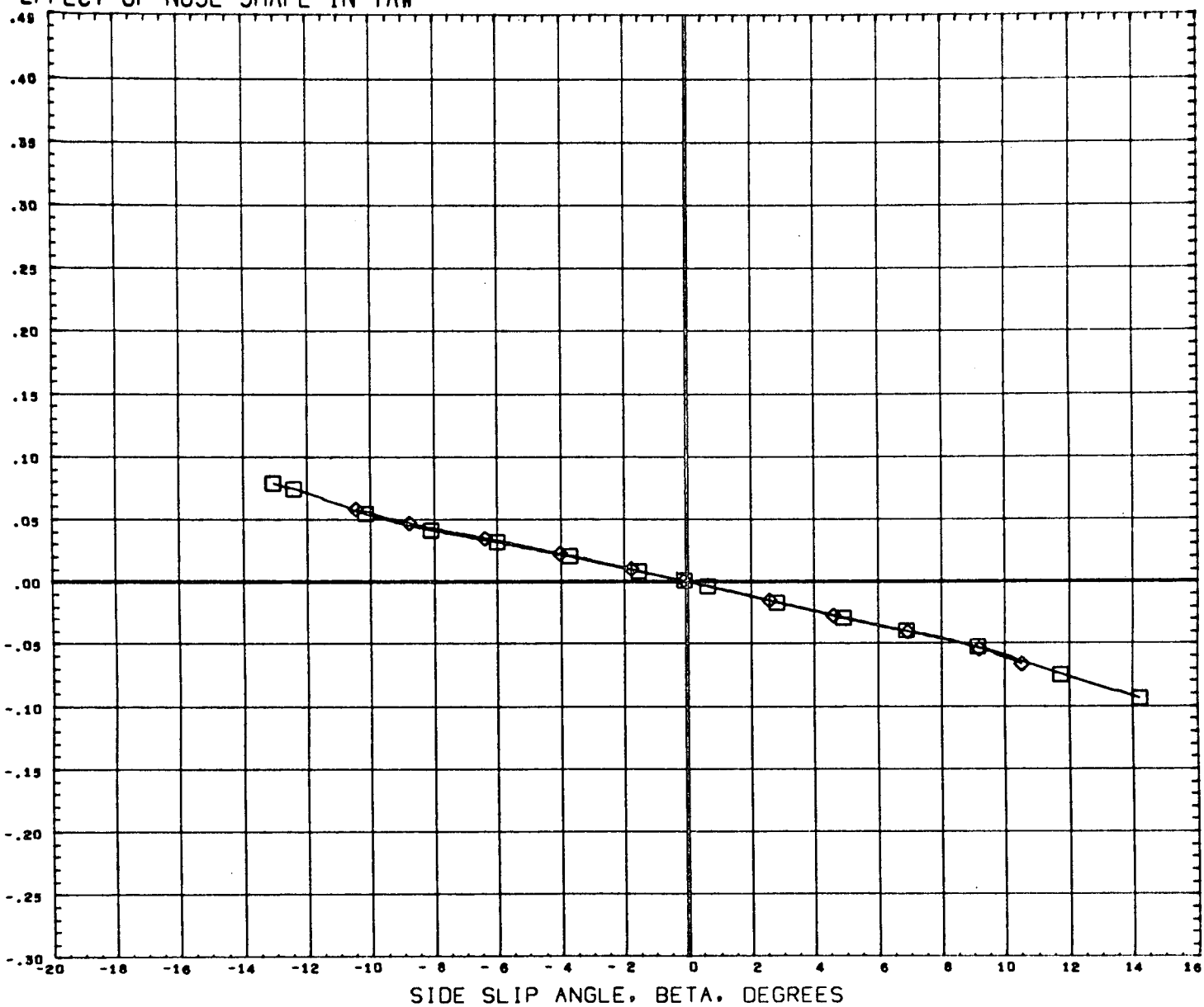


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4094)	◇	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1S1V1	70.000
(AD4094)	□	BTWT 1273/BSWT 953 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN YAW

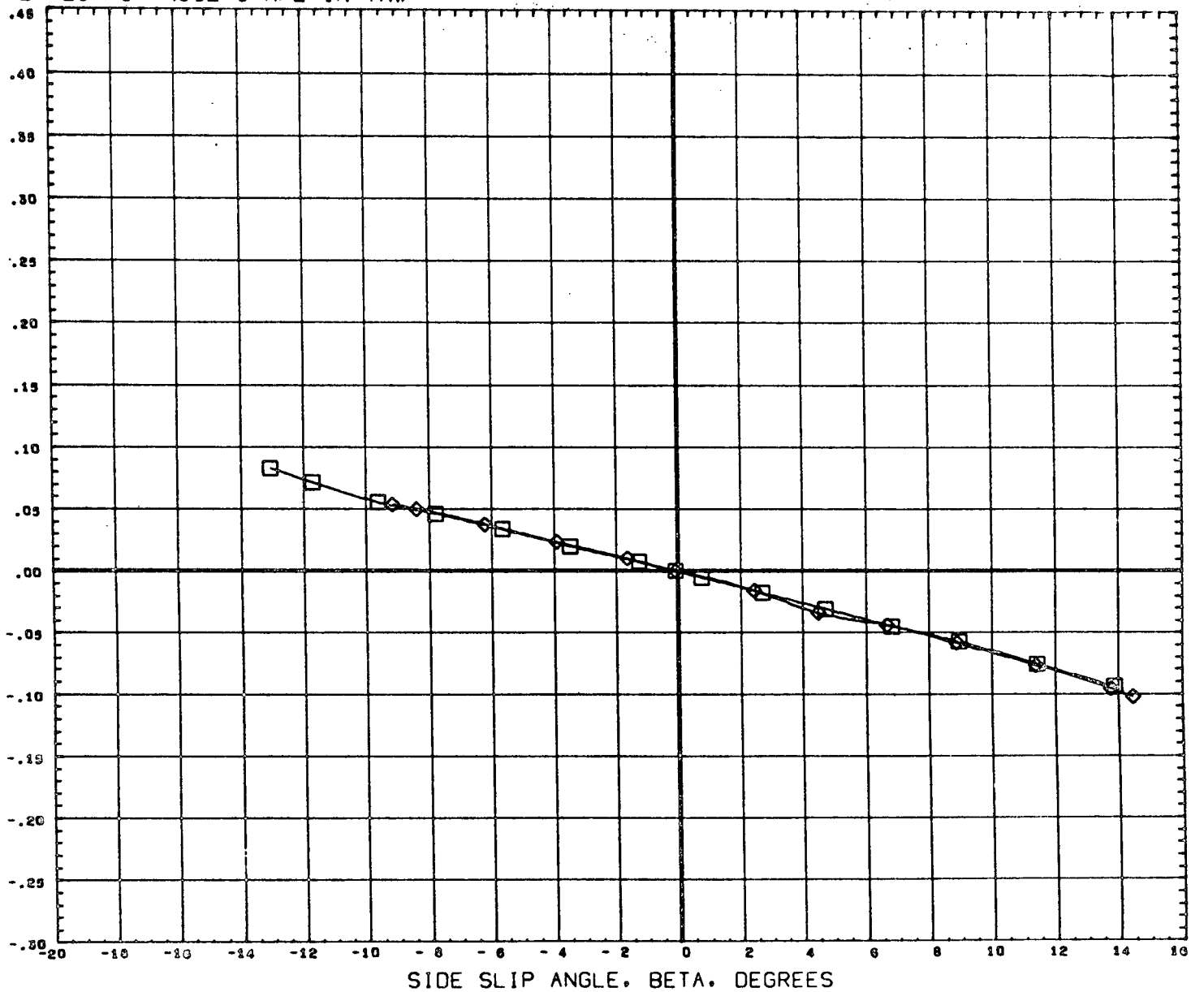


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN YAW



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 993 BRB CONFIGURATION	B1S1V1	70.000
(AD4090)	□	BTWT 1273/BSWT 993 BRB CONFIGURATION	B2S1V1	70.000

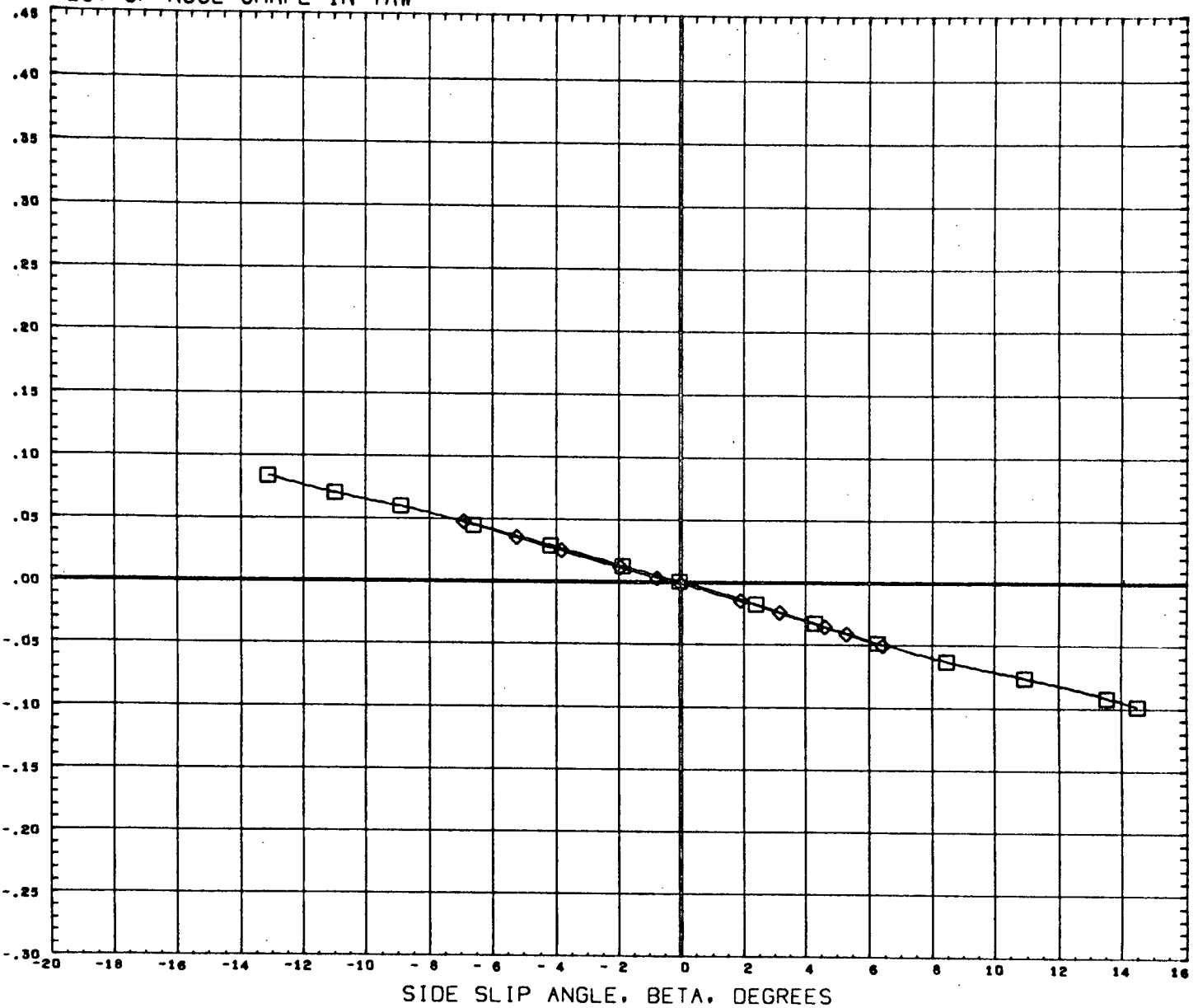
REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

C.8

EFFECT OF NOSE SHAPE IN YAW

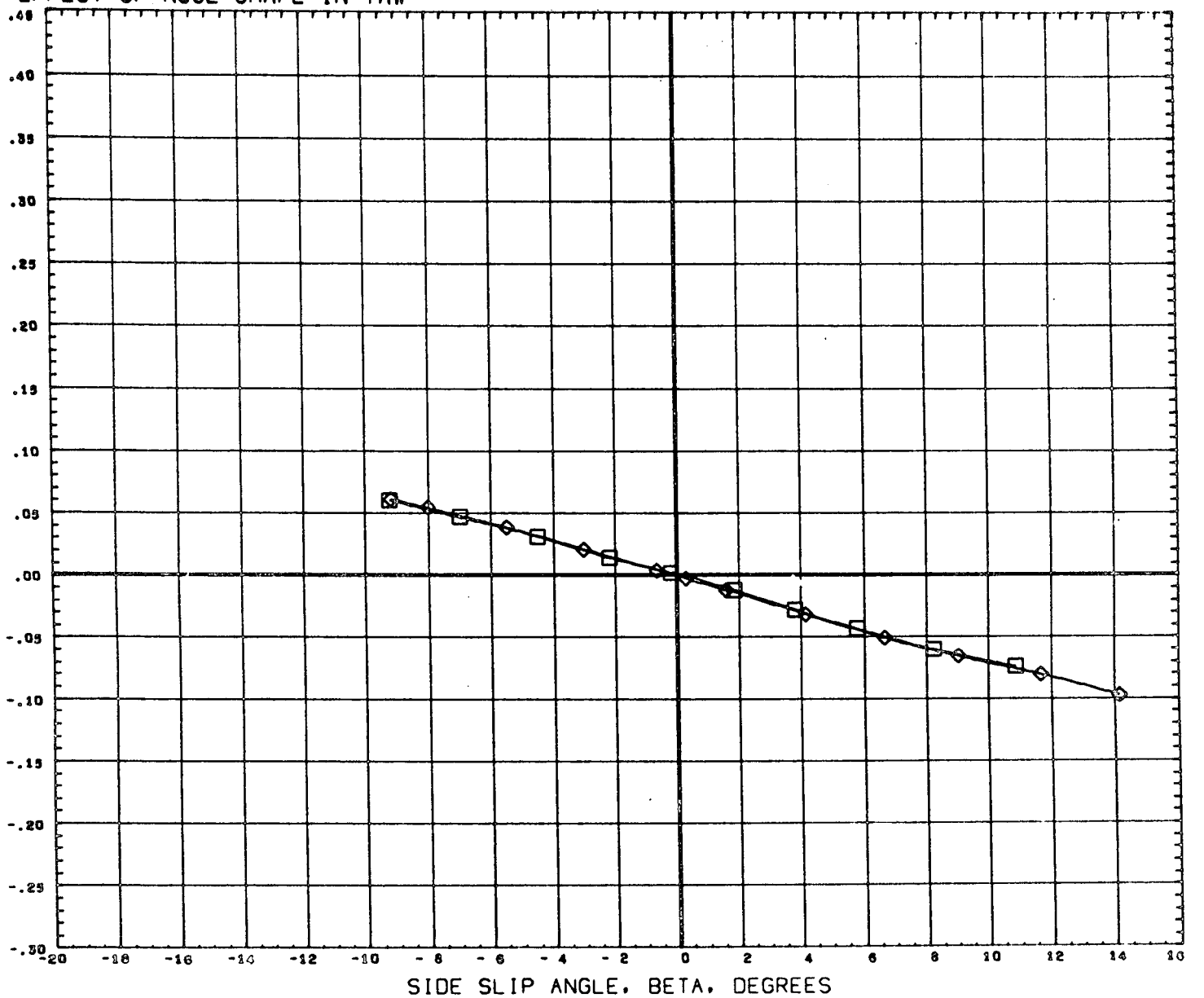


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN YAW



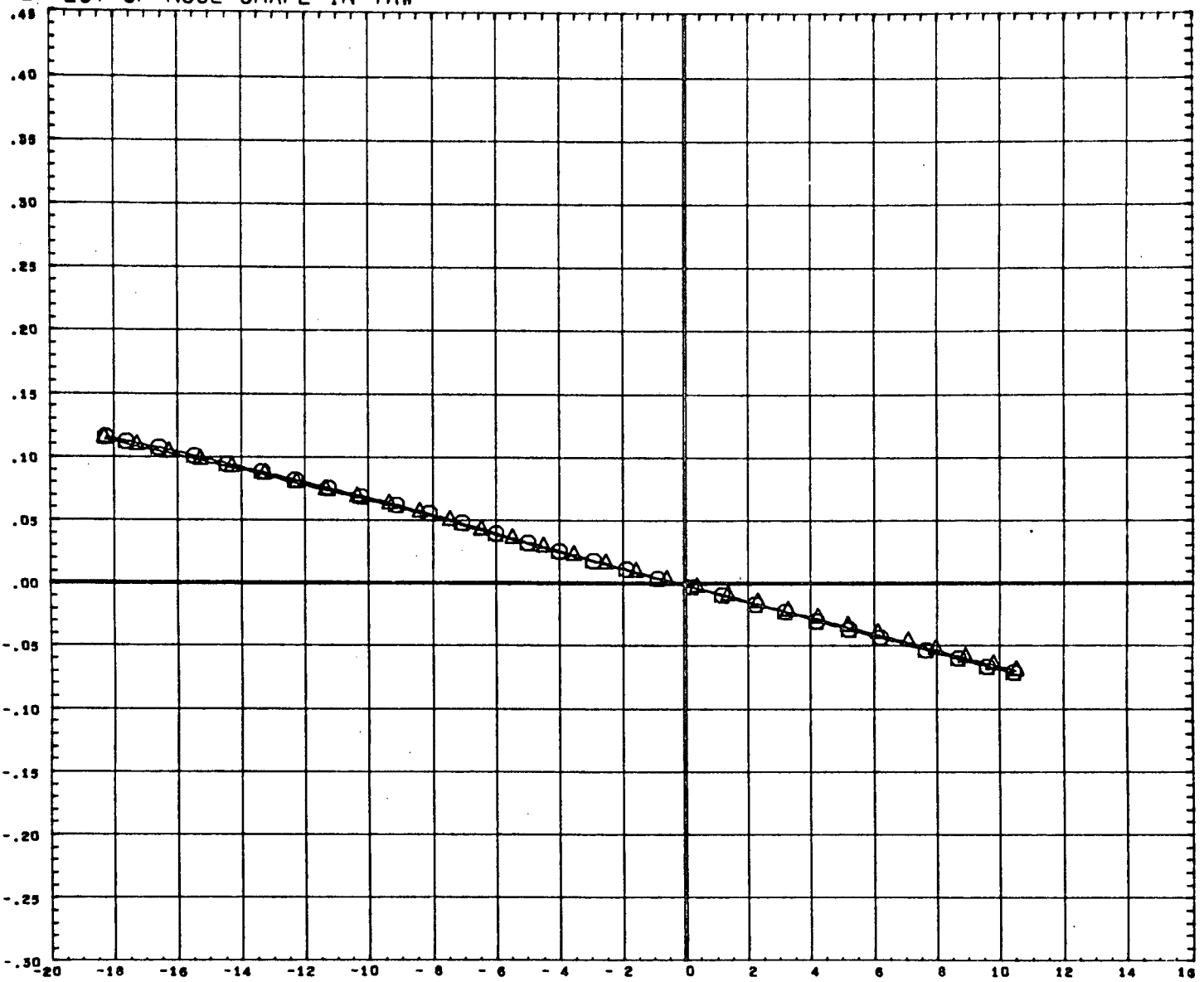
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 953 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 953 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN YAW

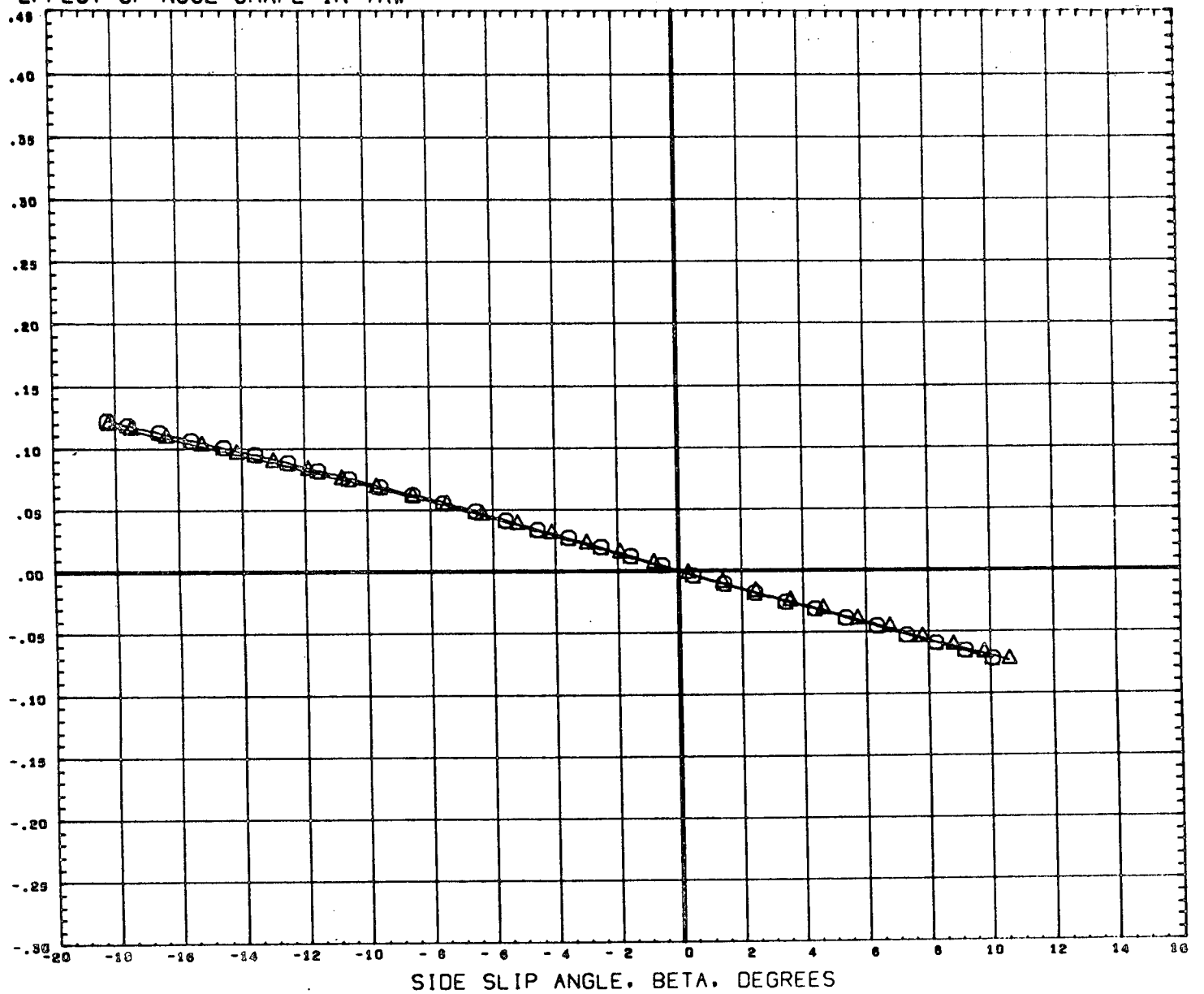


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4053)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4054)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN YAW



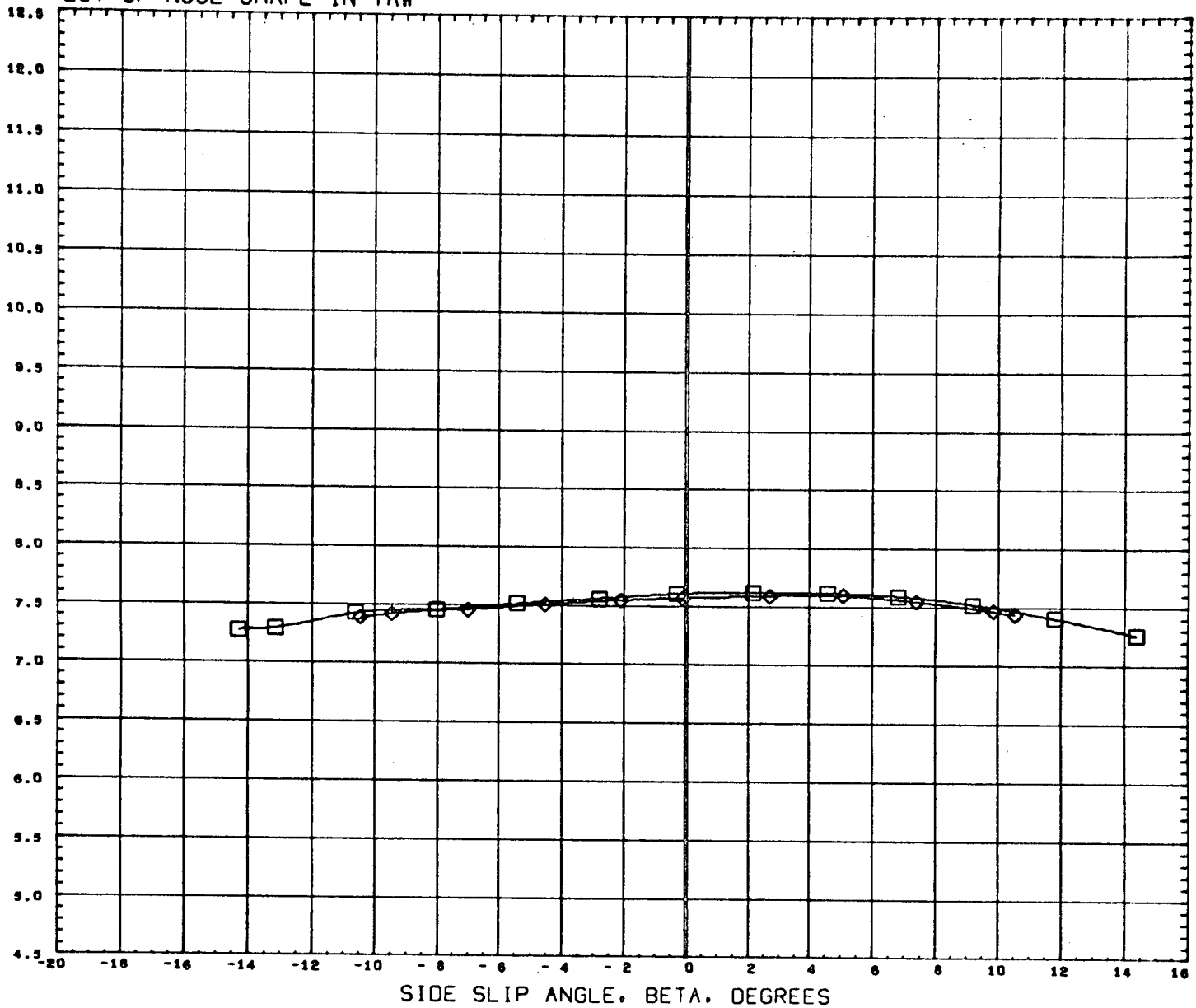
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4053)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4054)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF NOSE SHAPE IN YAW



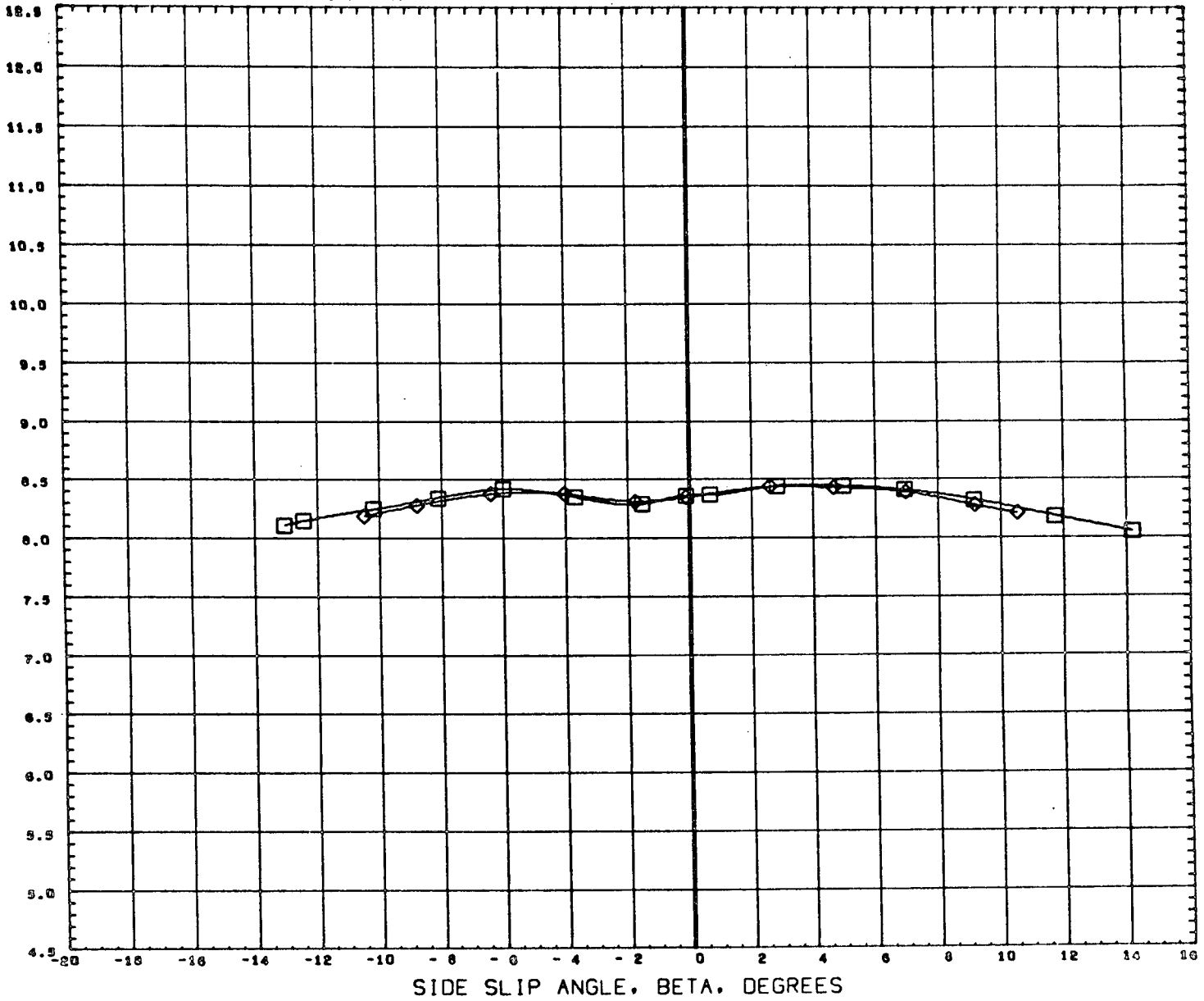
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033) ○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053) △	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034) ◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054) □	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF NOSE SHAPE IN YAW



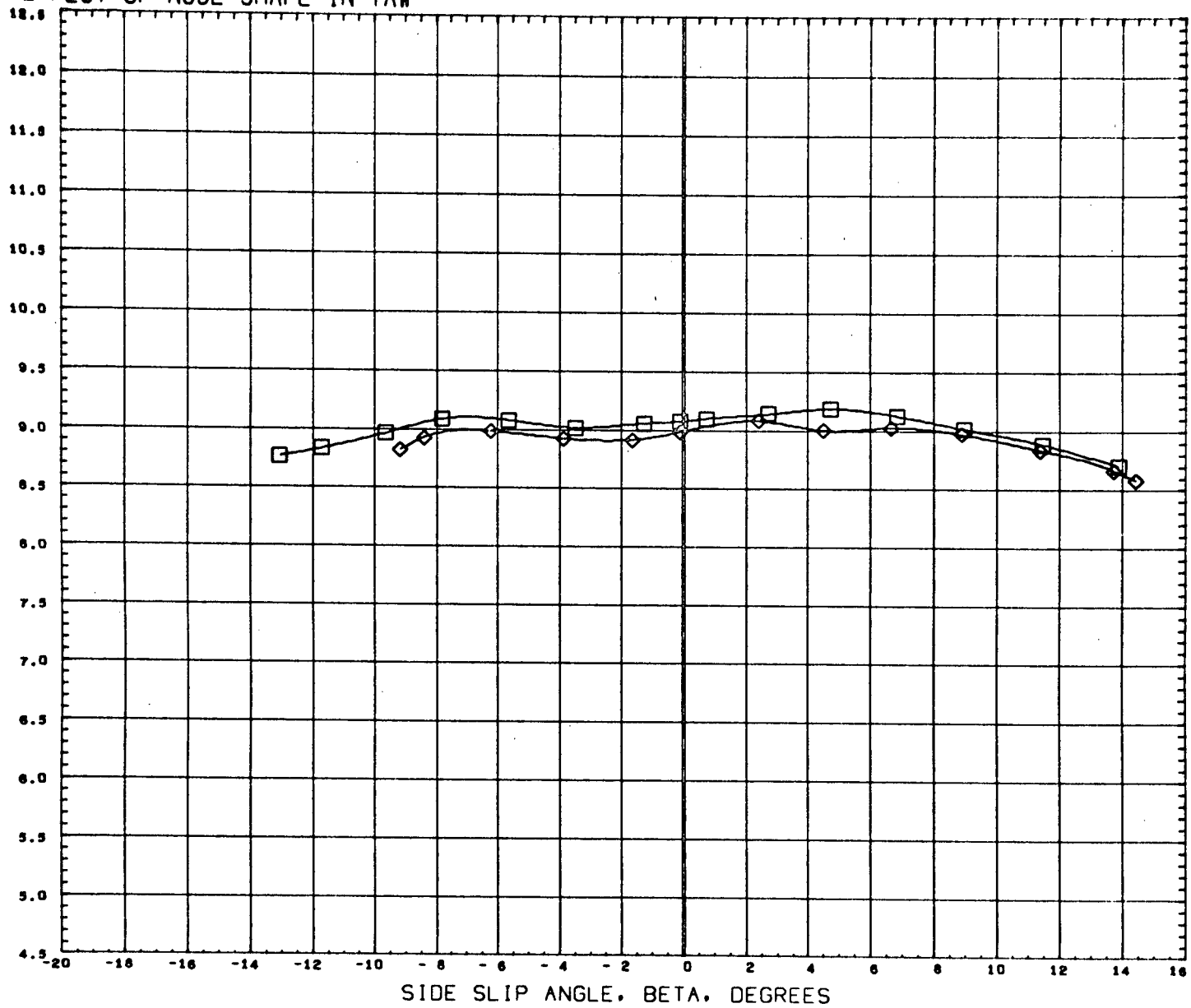
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .90

EFFECT OF NOSE SHAPE IN YAW



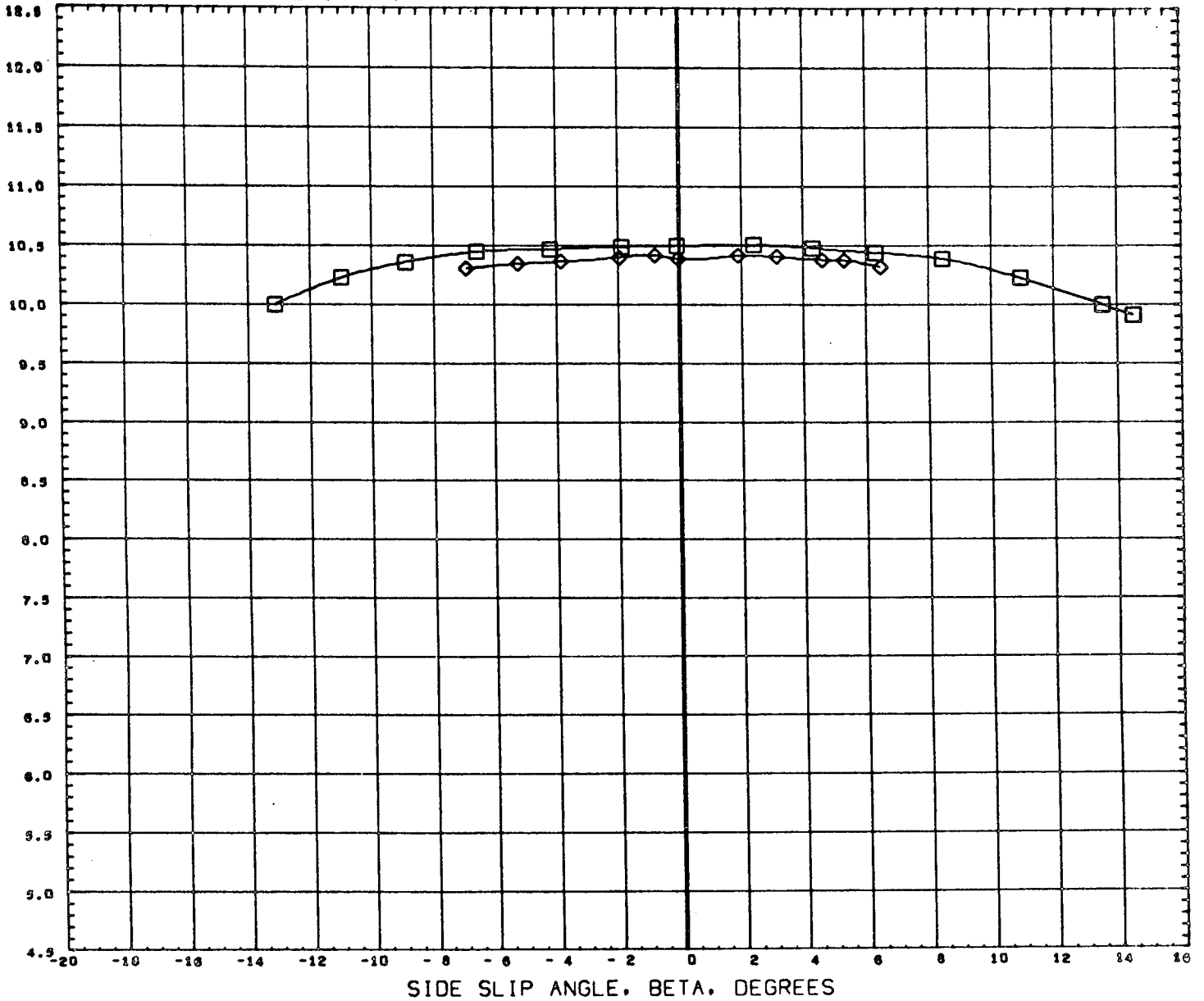
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF NOSE SHAPE IN YAW

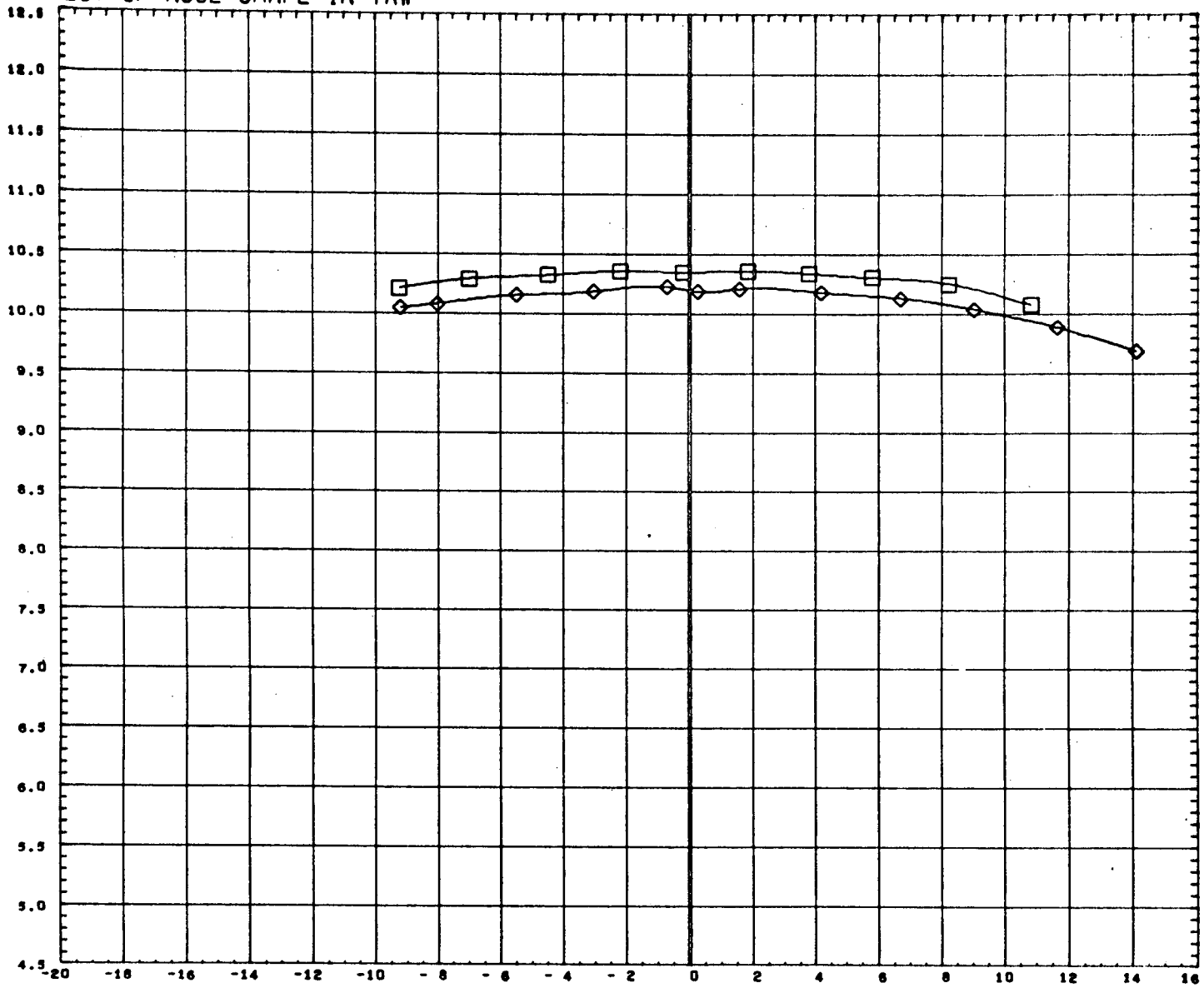


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4053)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 393 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 393 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF NOSE SHAPE IN YAW

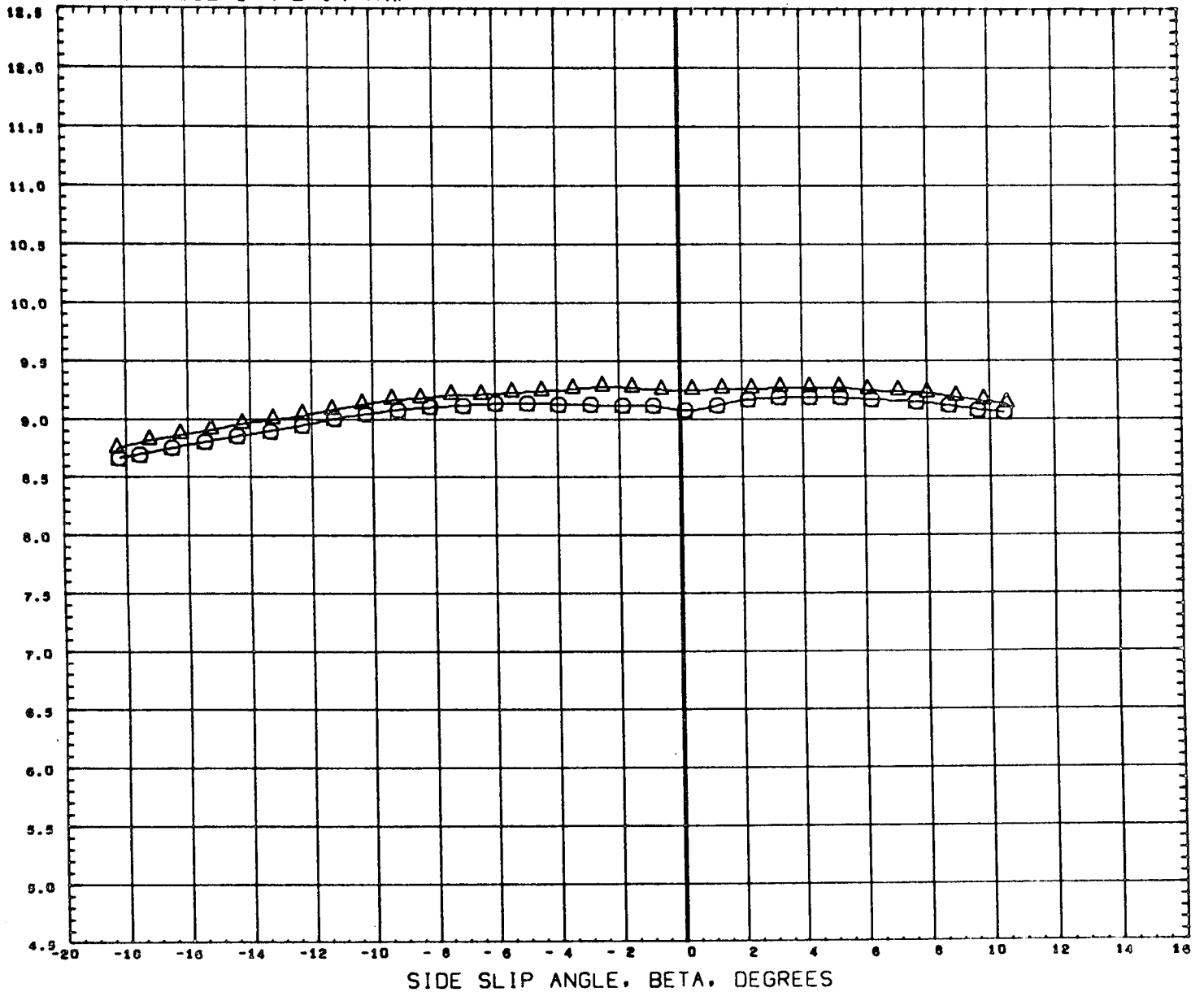


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(AD4033)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS		67.500
(CD4034)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	70.000
(AD4054)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF NOSE SHAPE IN YAW



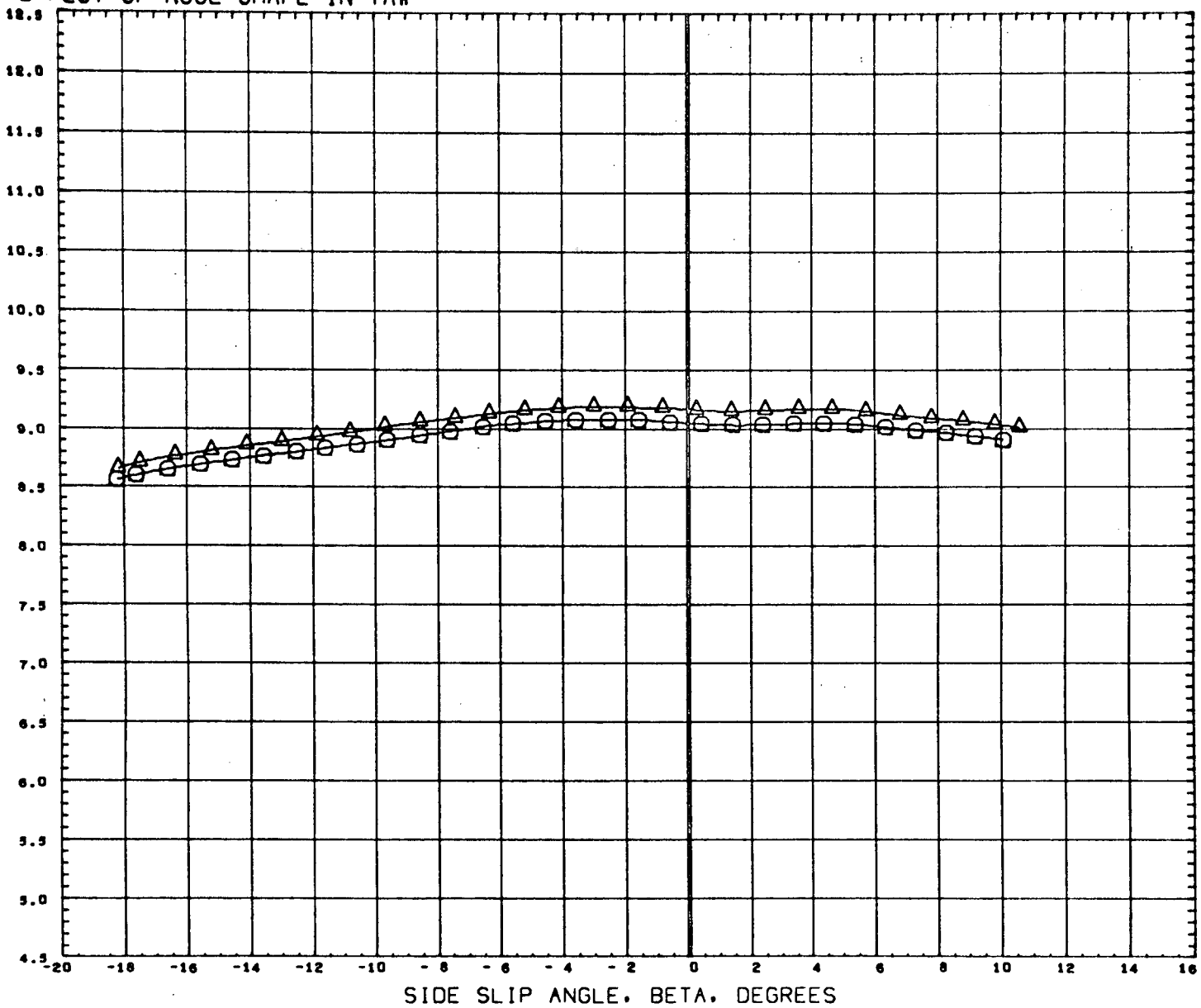
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4053)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4054)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF NOSE SHAPE IN YAW



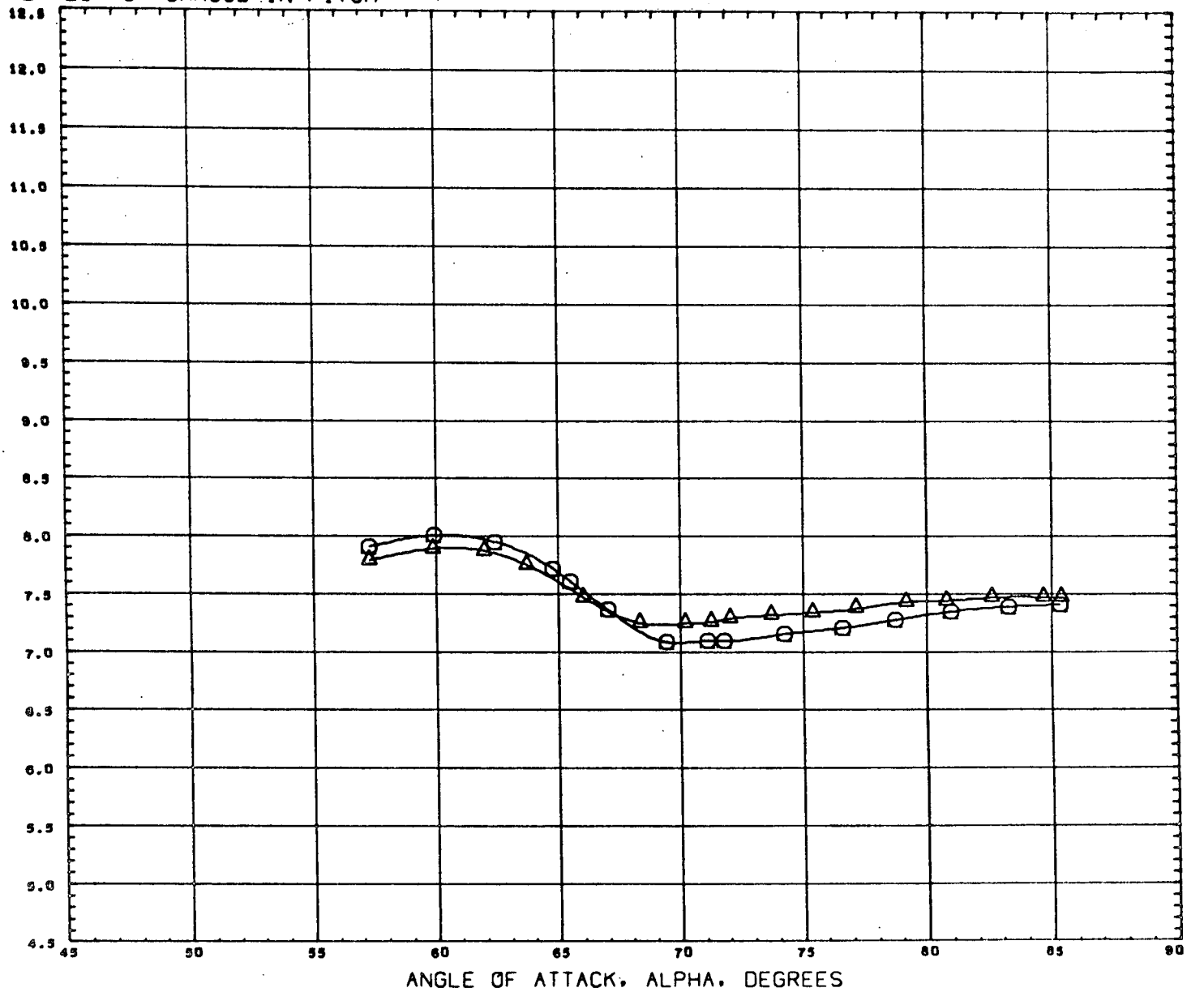
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4033)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	67.500
(AD4033)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000
(AD4034)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS		70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF SHROUD IN PITCH



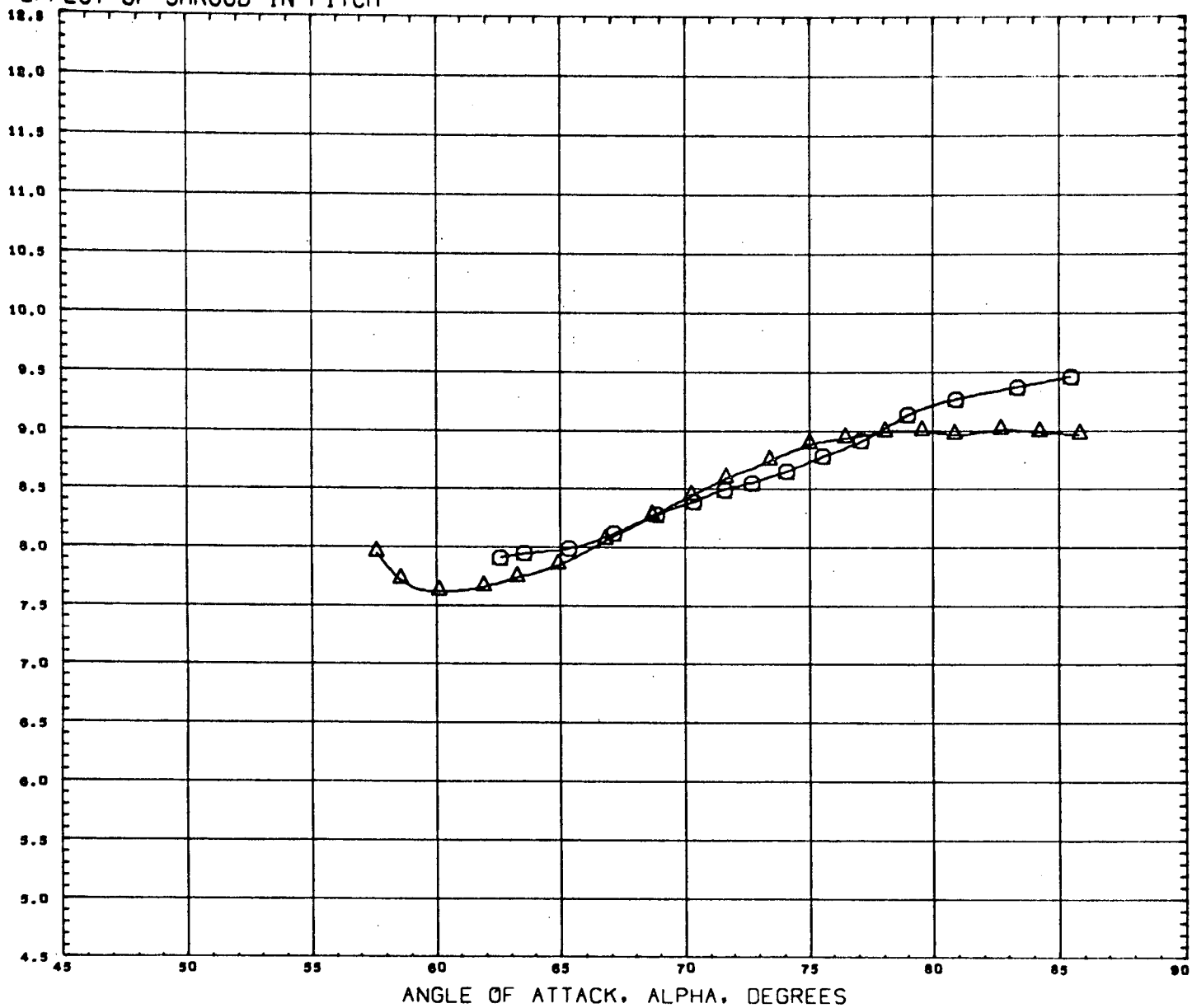
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN PITCH

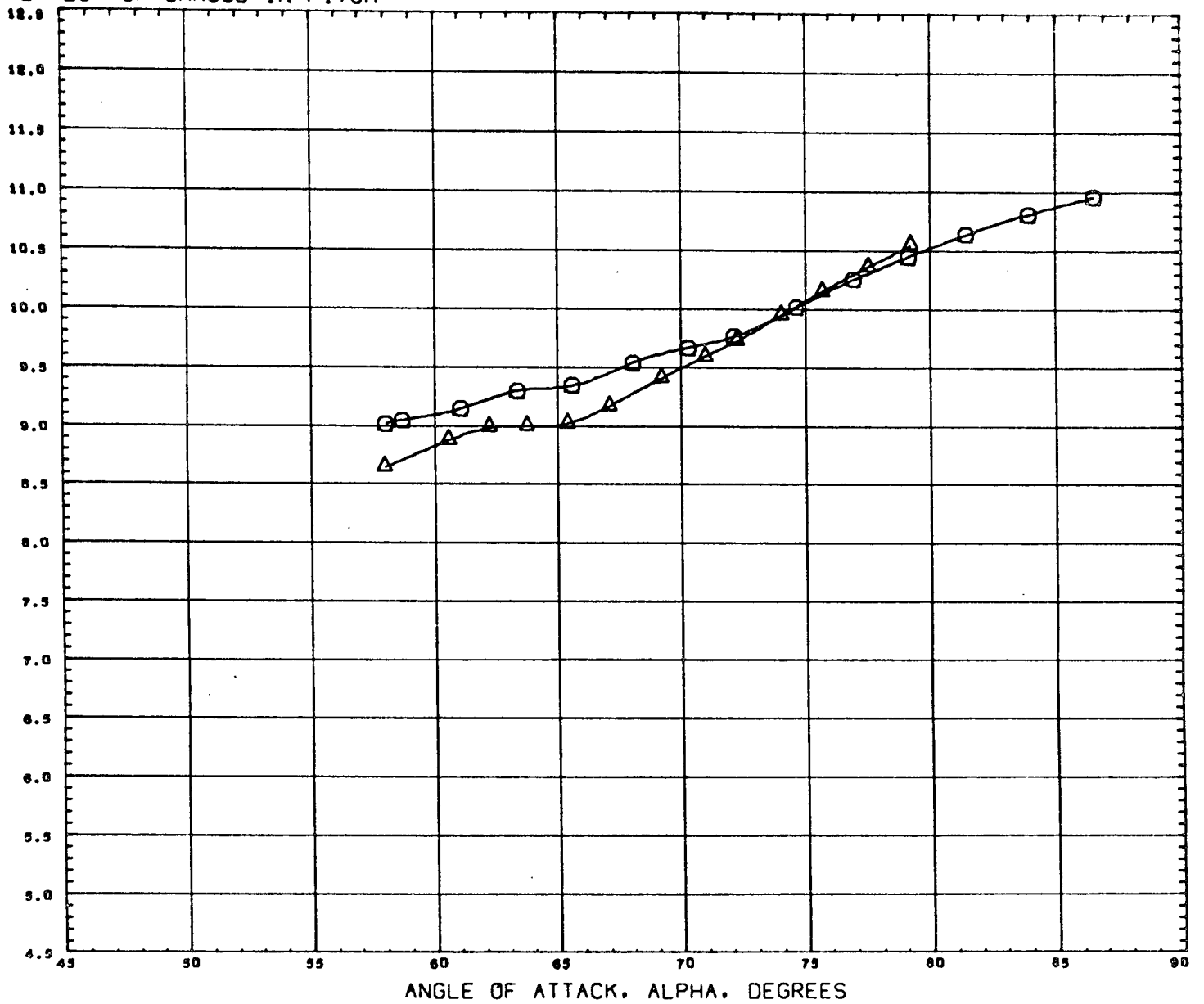


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF SHROUD IN PITCH



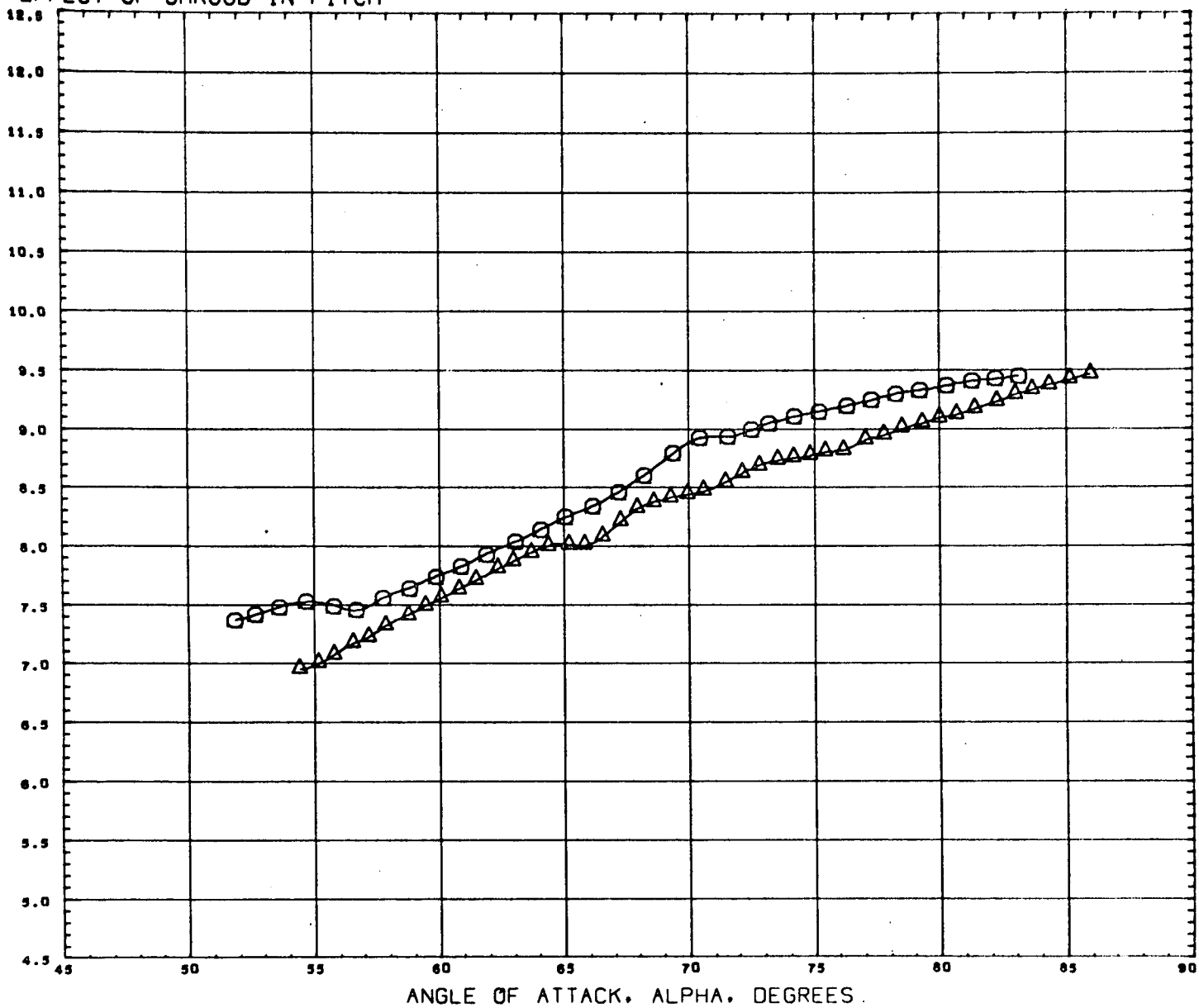
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF SHROUD IN PITCH



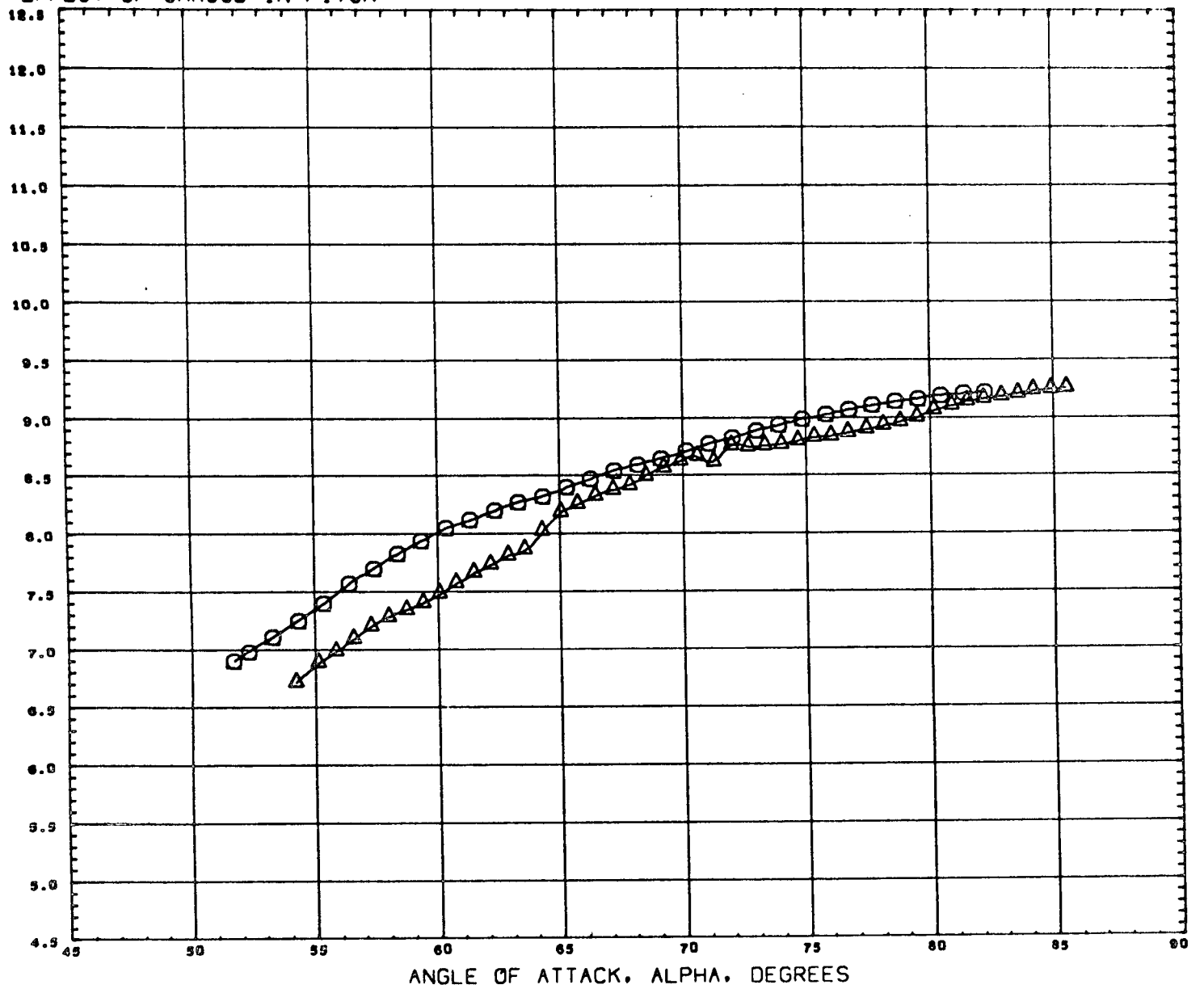
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF SHROUD IN PITCH



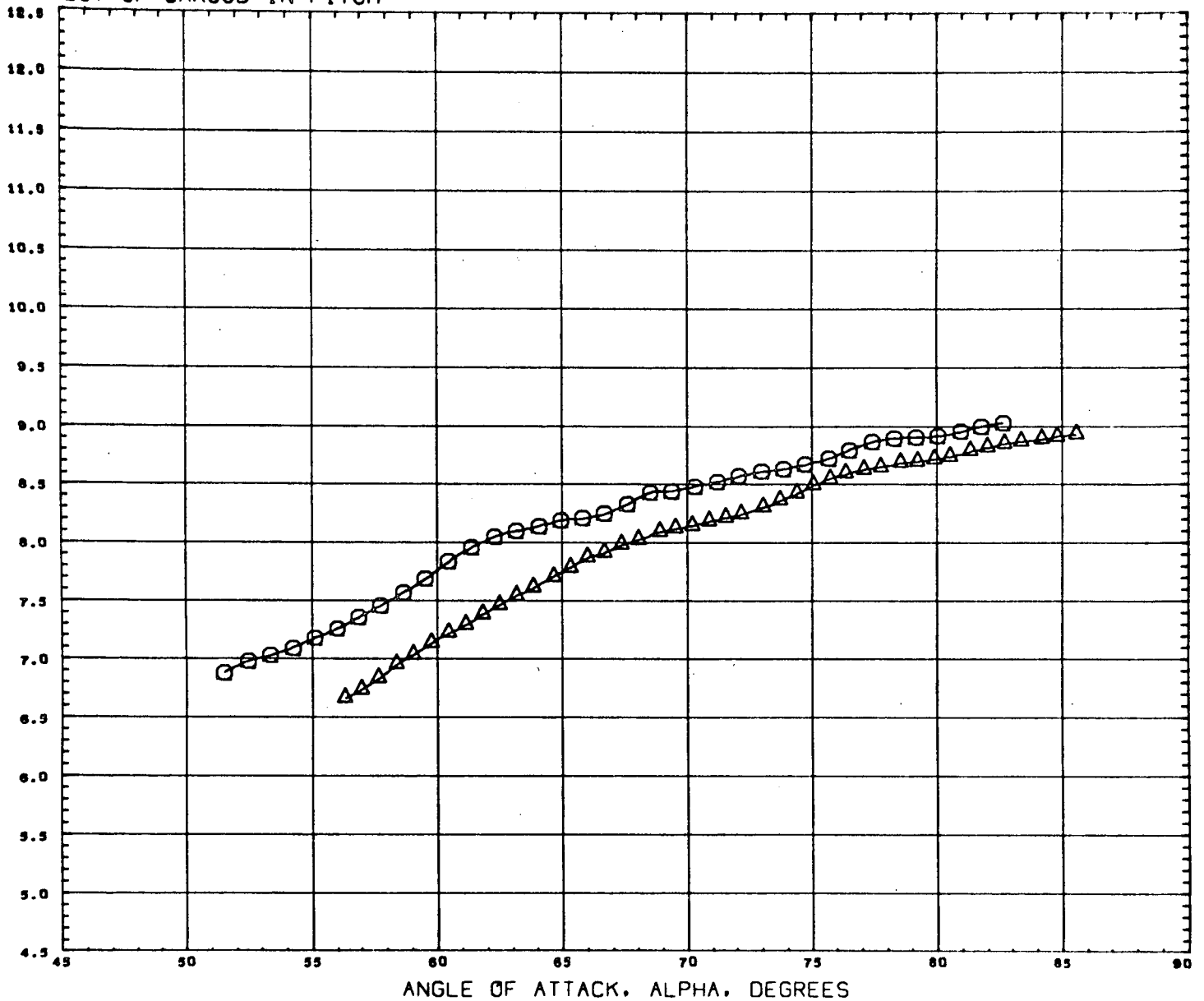
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF SHROUD IN PITCH



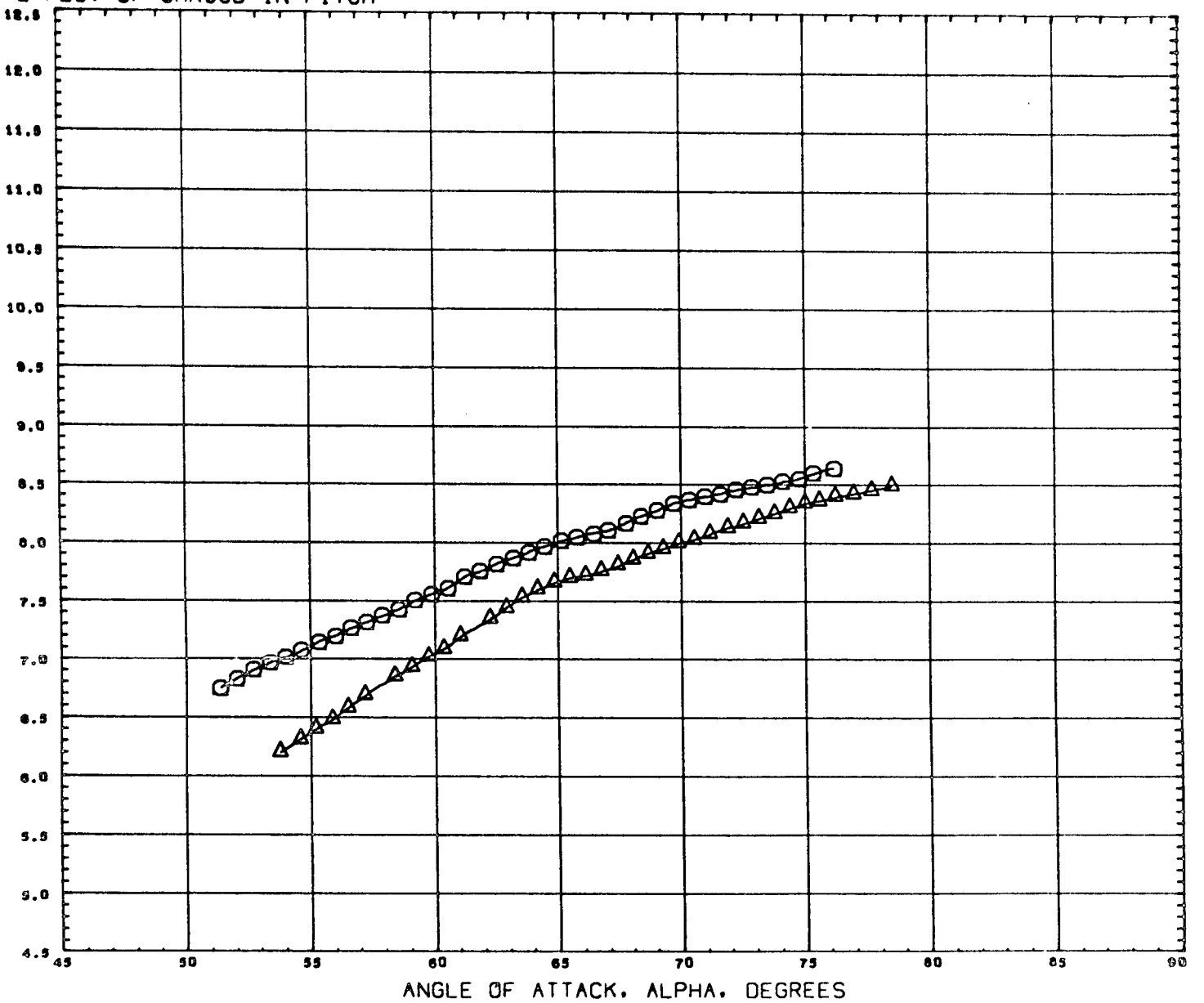
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

EFFECT OF SHROUD IN PITCH

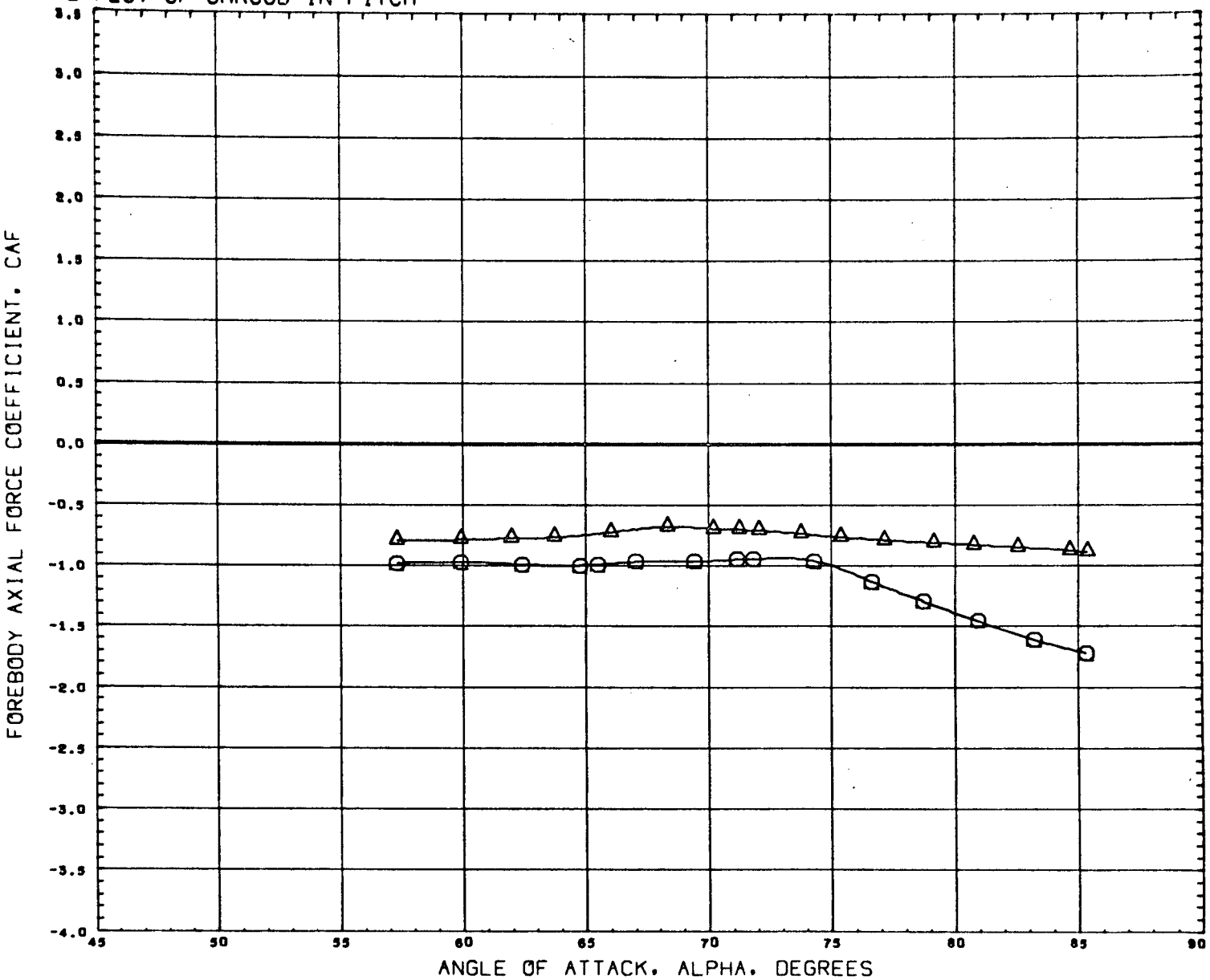


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF SHROUD IN PITCH



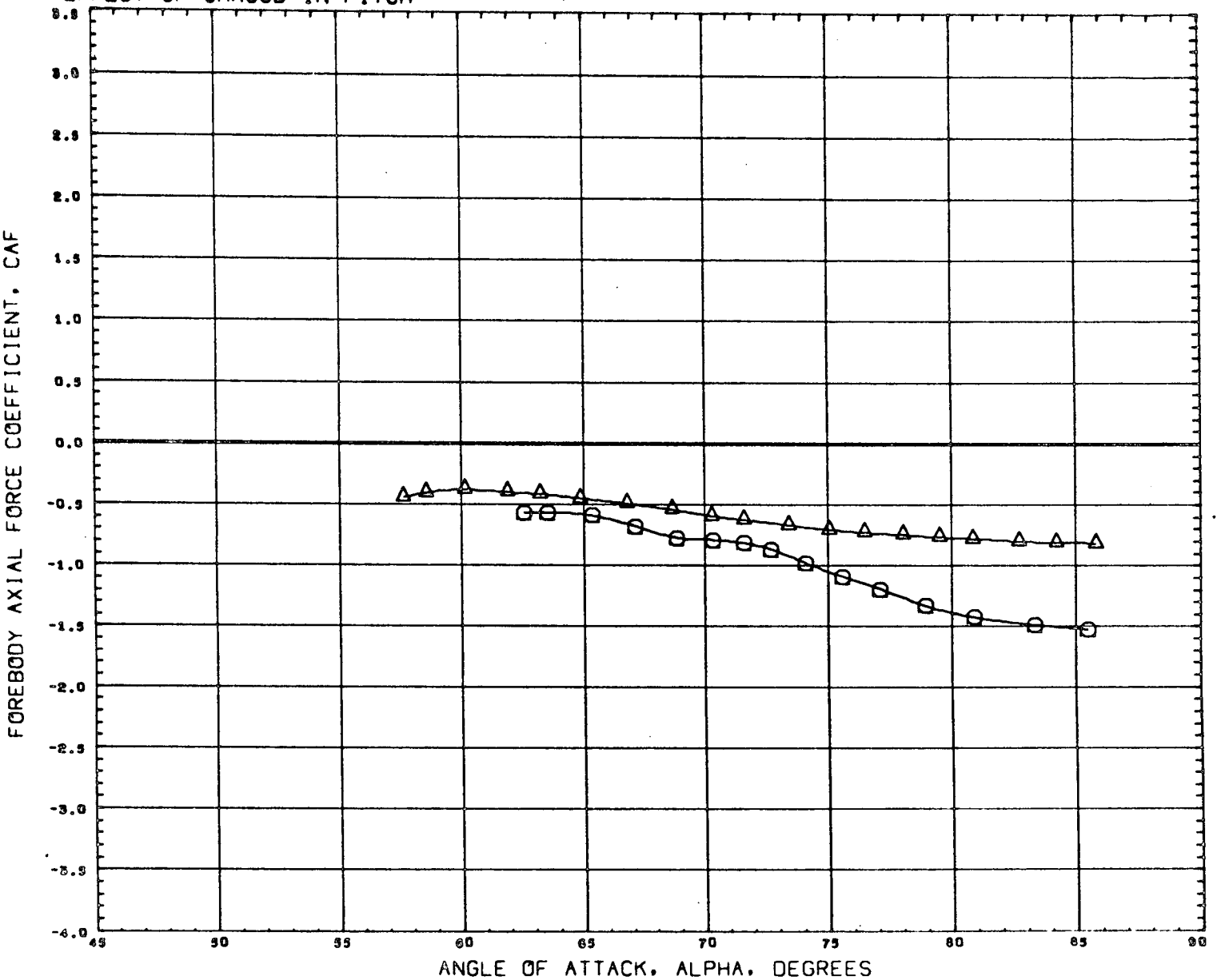
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN PITCH

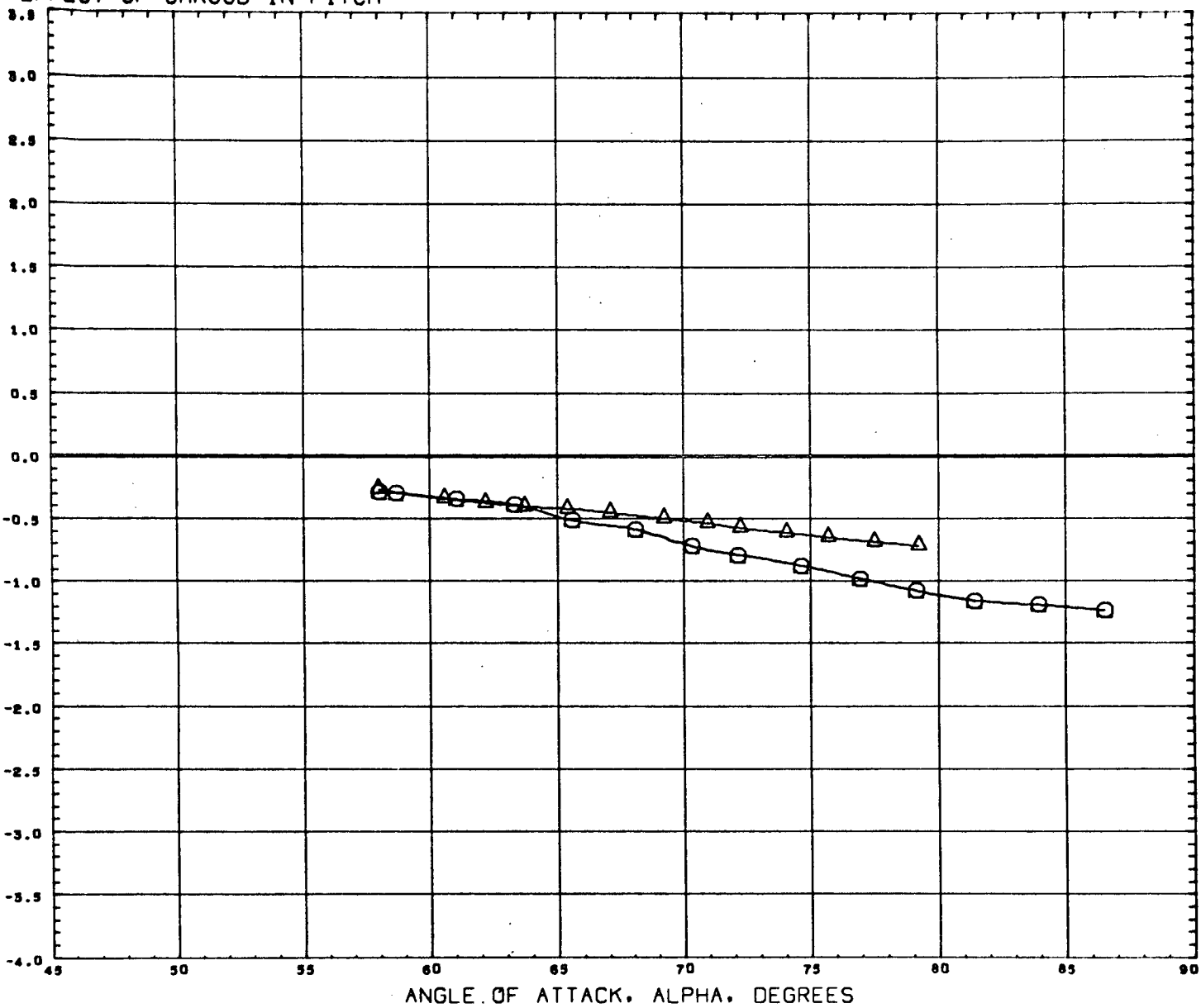


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF SHROUD IN PITCH

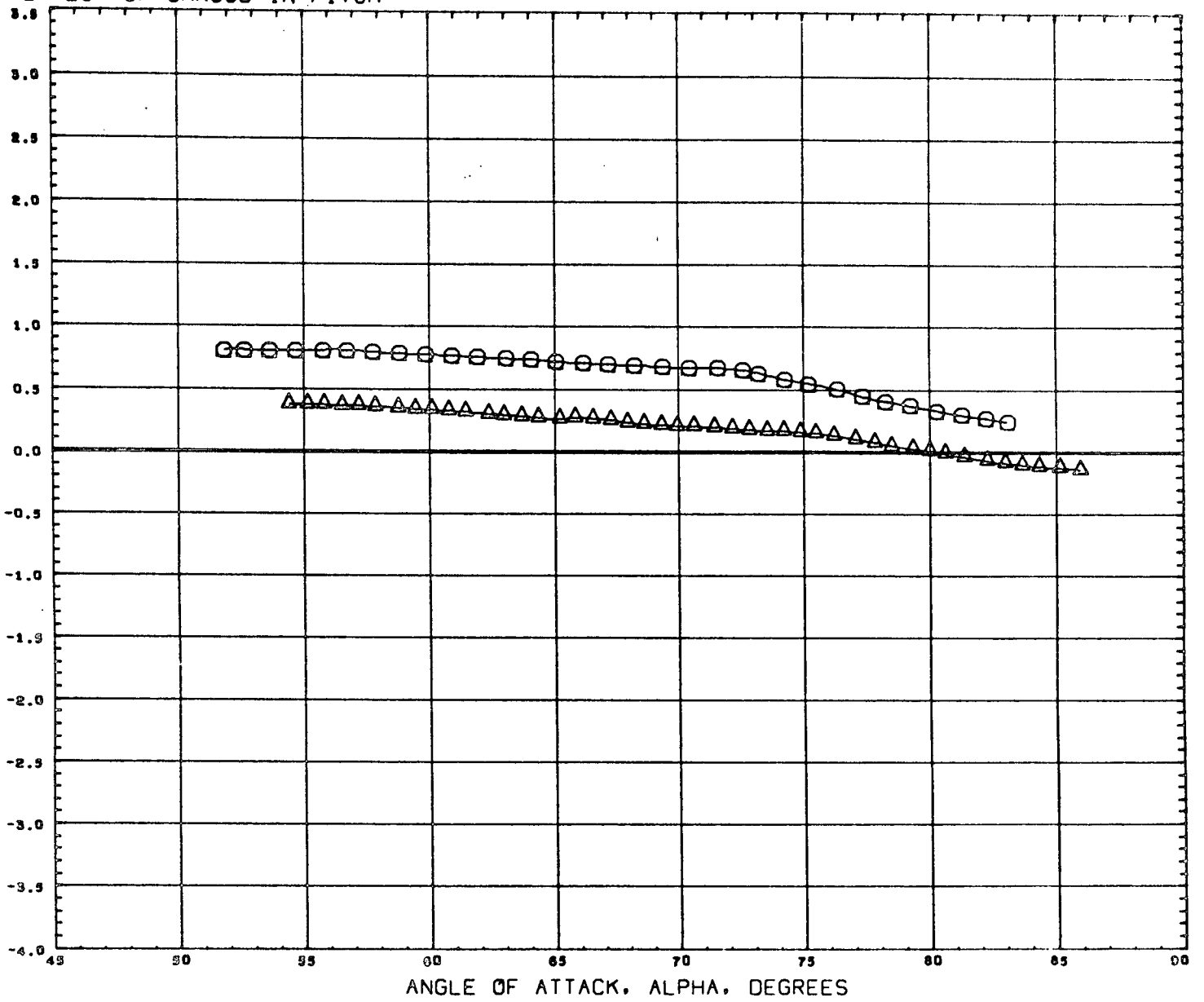


DATA SET SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041) ○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061) △	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF SHROUD IN PITCH

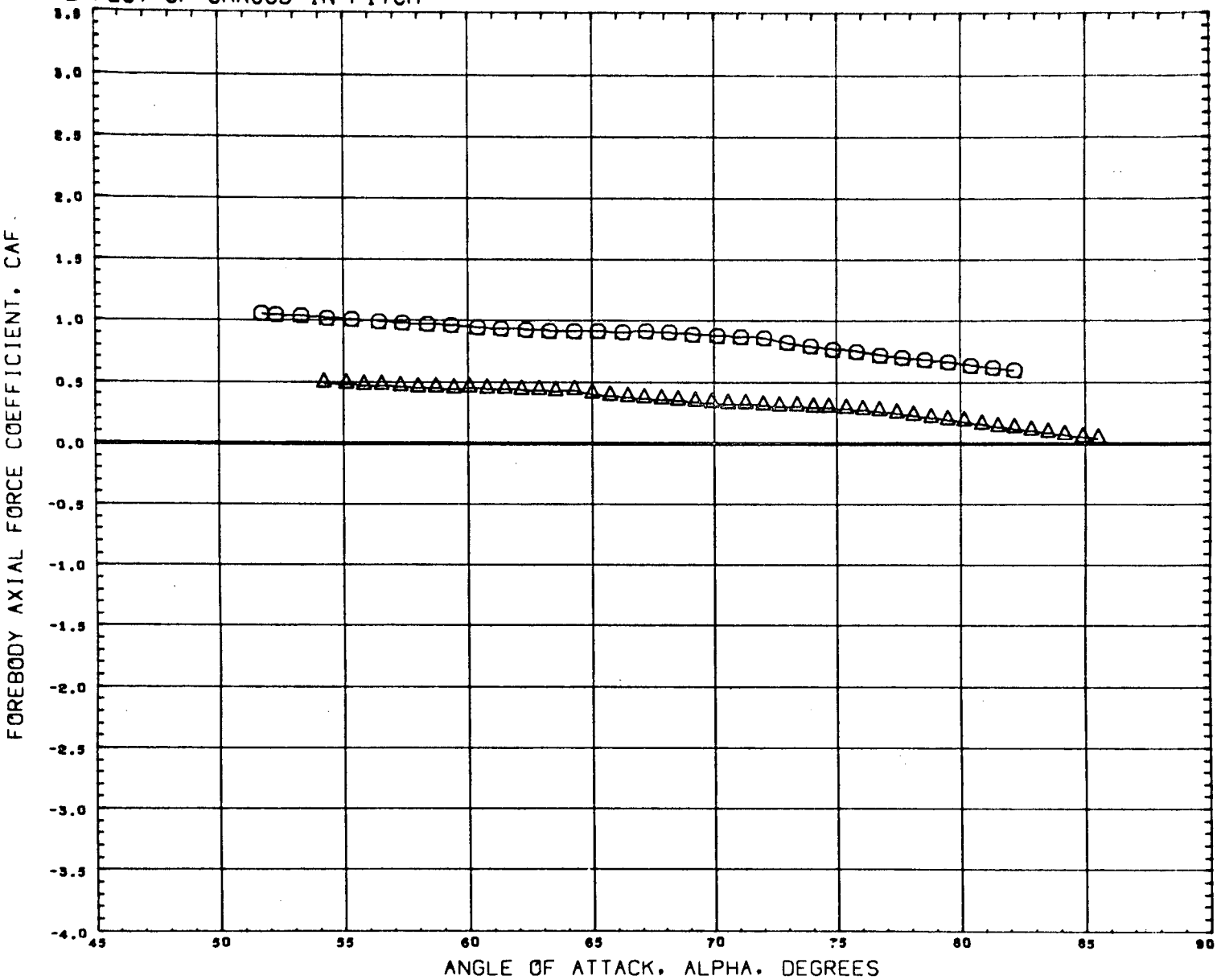


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF SHROUD IN PITCH

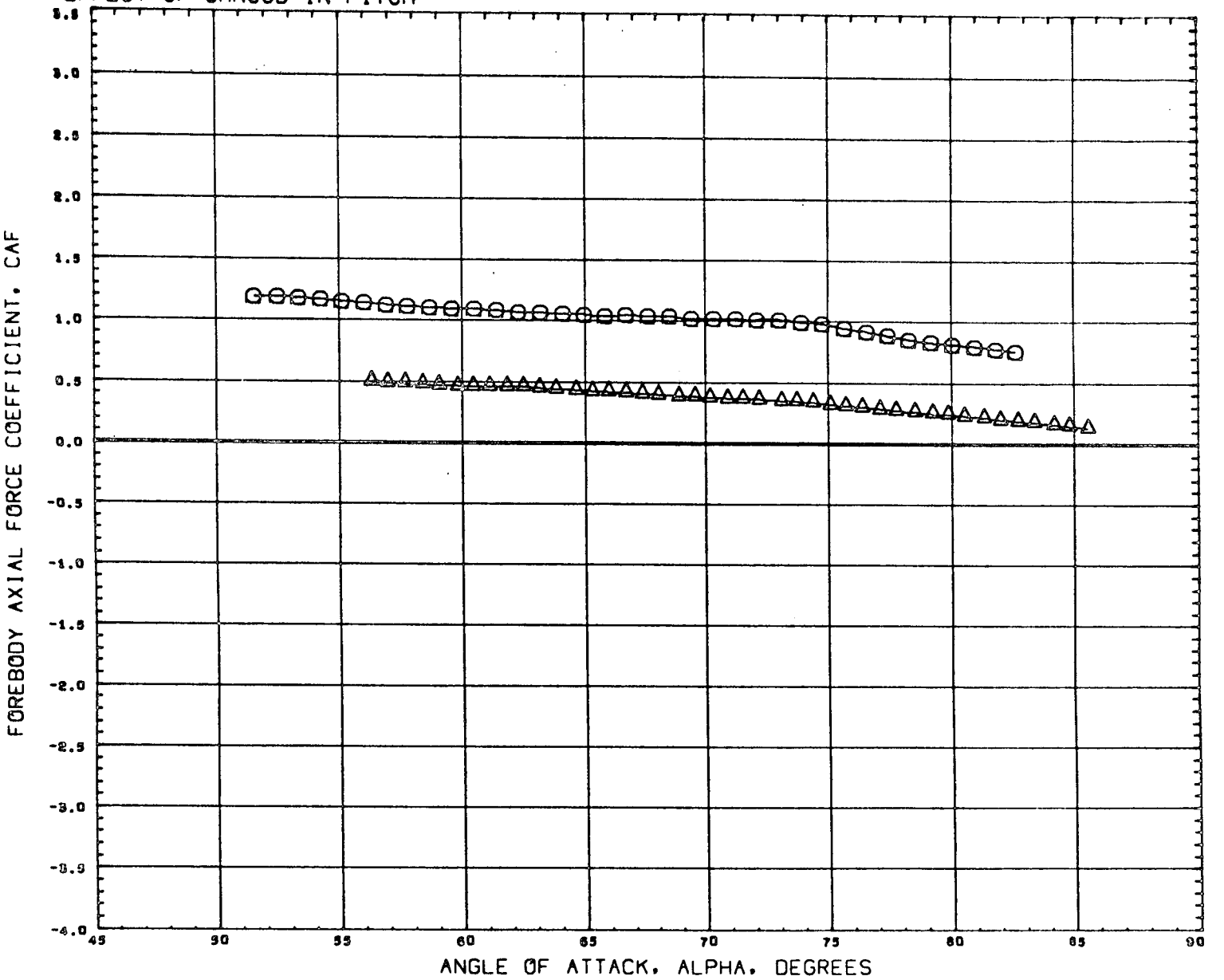


DATA SET SYMBOL		CONFIGURATION DESCRIPTION			BETA
(BD4041)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF SHROUD IN PITCH



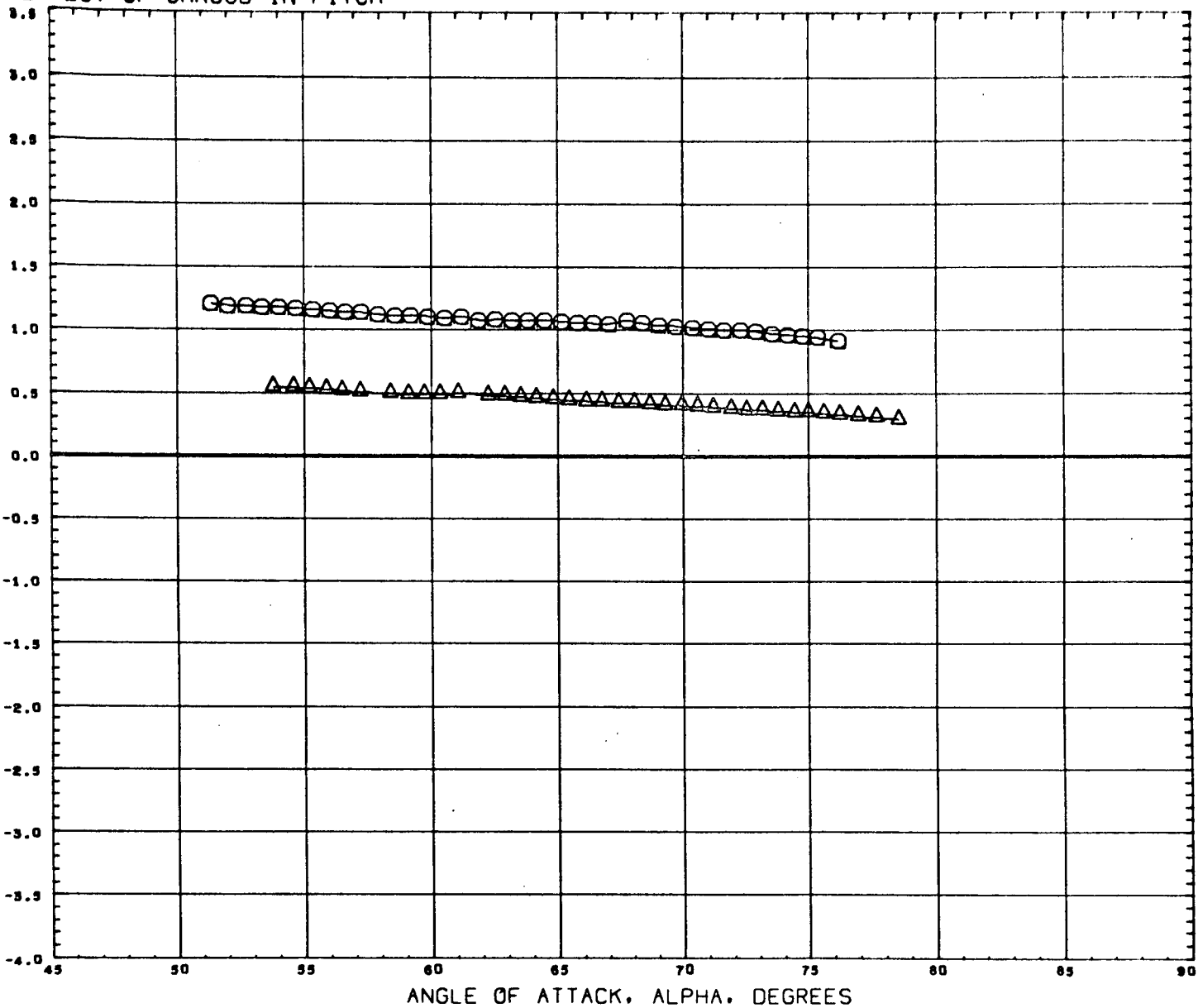
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

EFFECT OF SHROUD IN PITCH



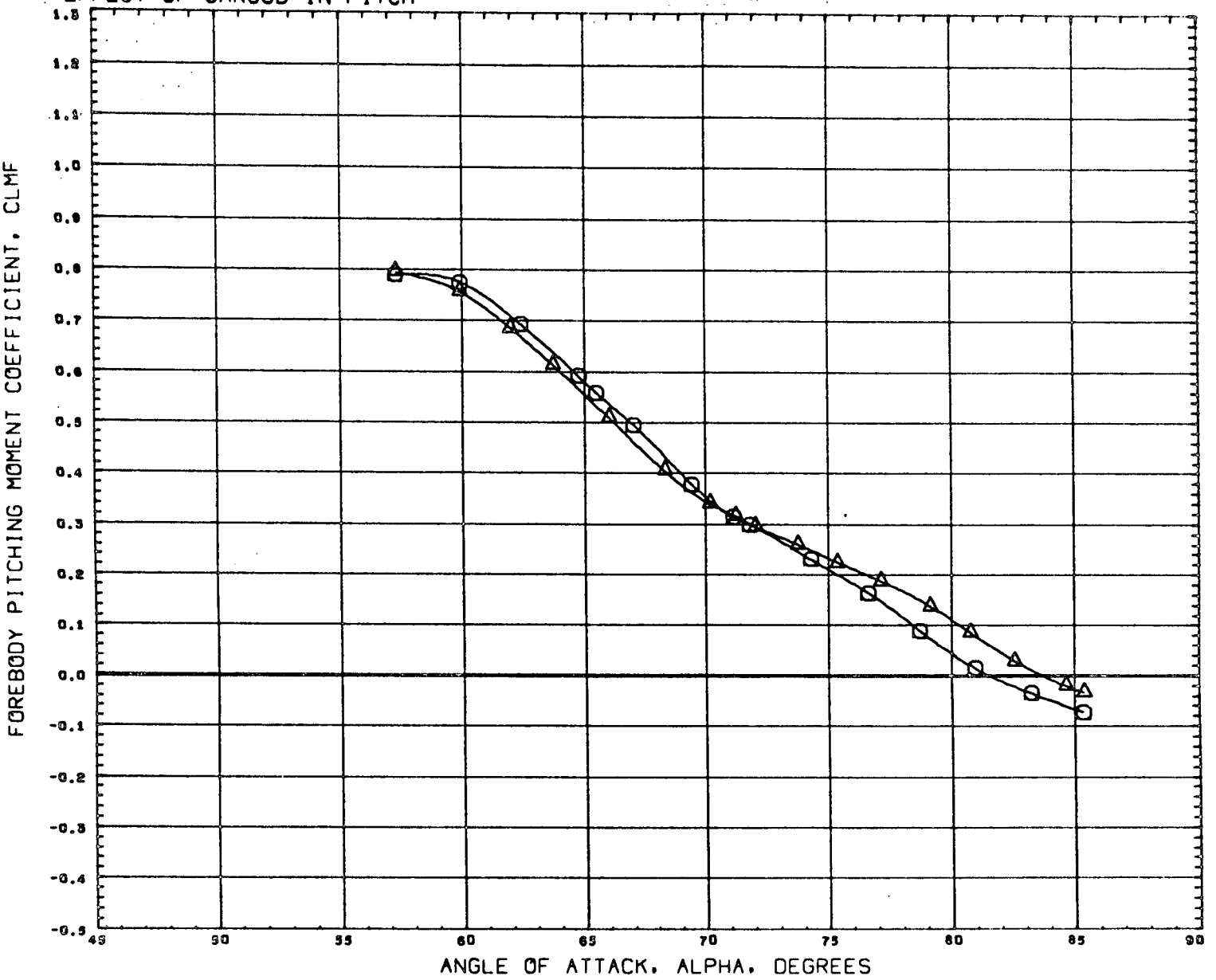
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF SHROUD IN PITCH

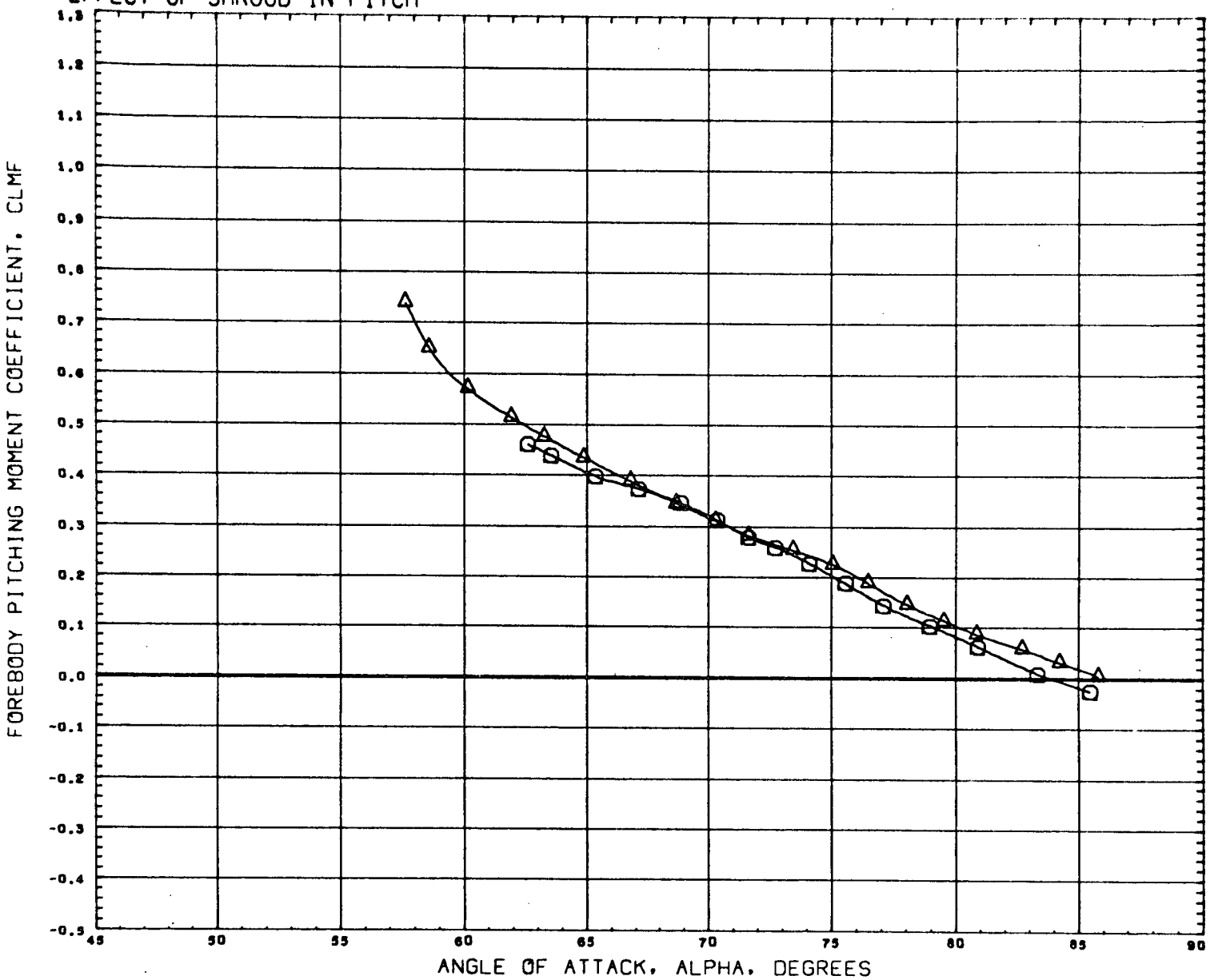


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN PITCH



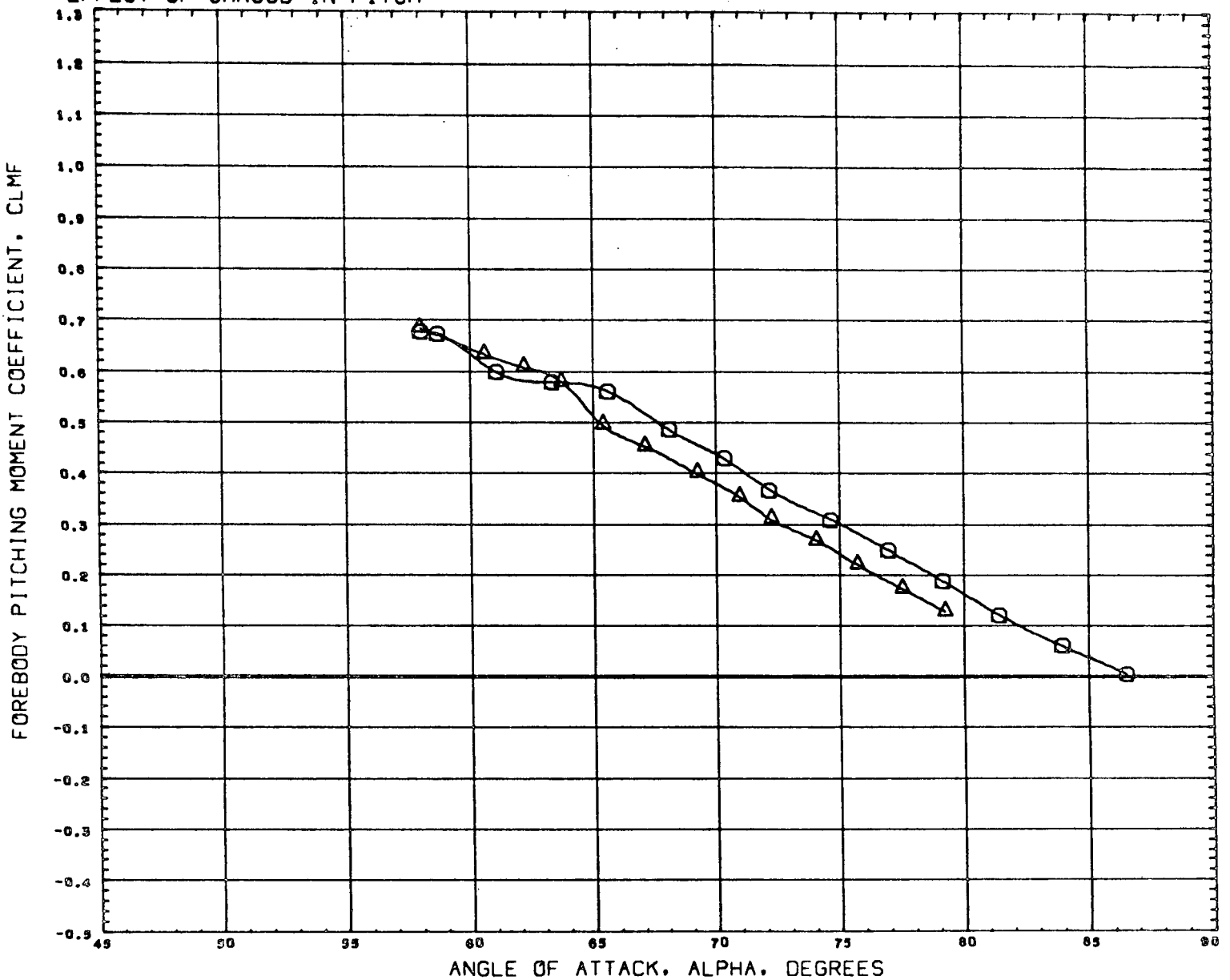
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4041)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF SHROUD IN PITCH



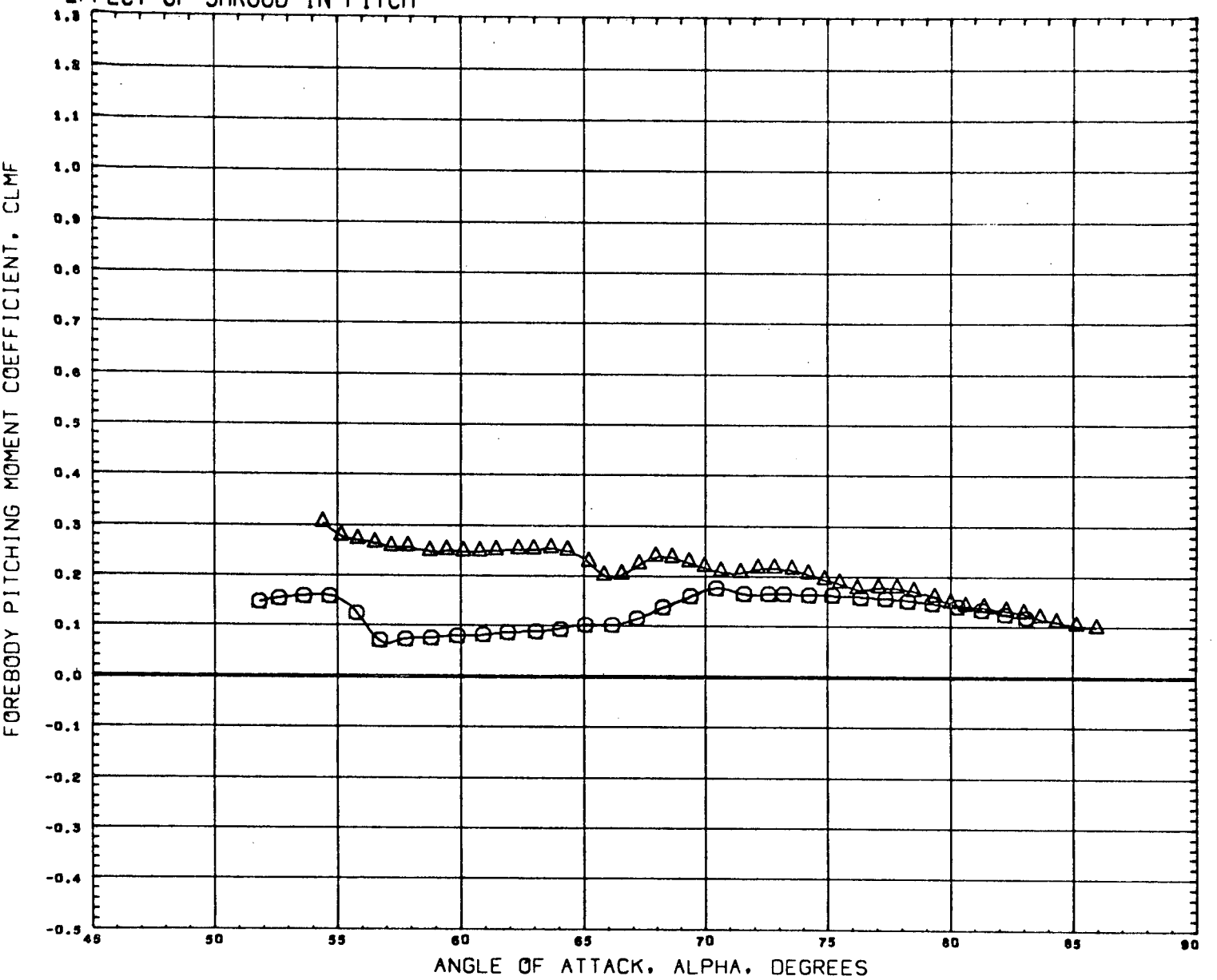
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.10

EFFECT OF SHROUD IN PITCH



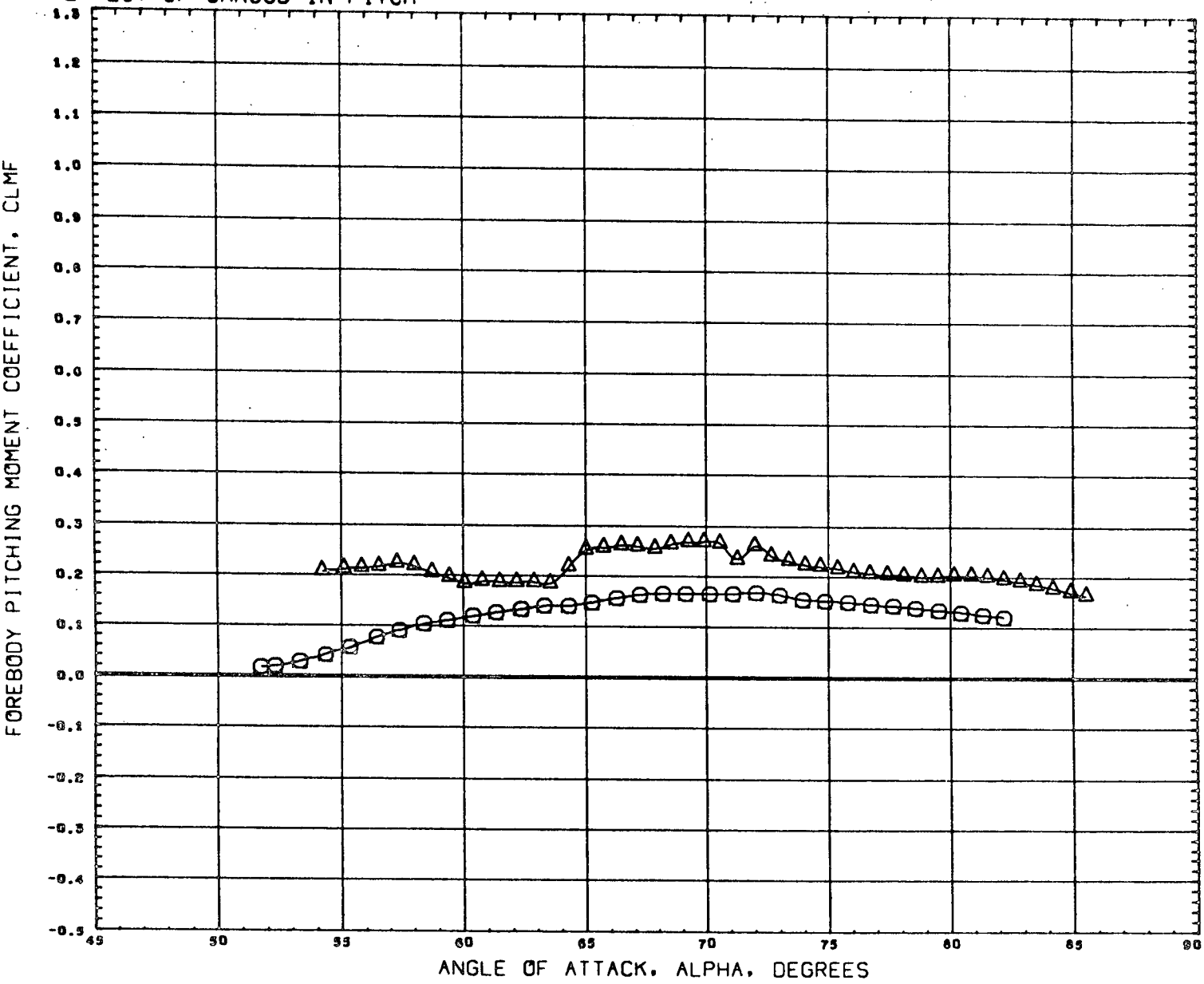
DATA SET SYMBOL		CONFIGURATION DESCRIPTION			BETA
(BD4041)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.00

EFFECT OF SHROUD IN PITCH



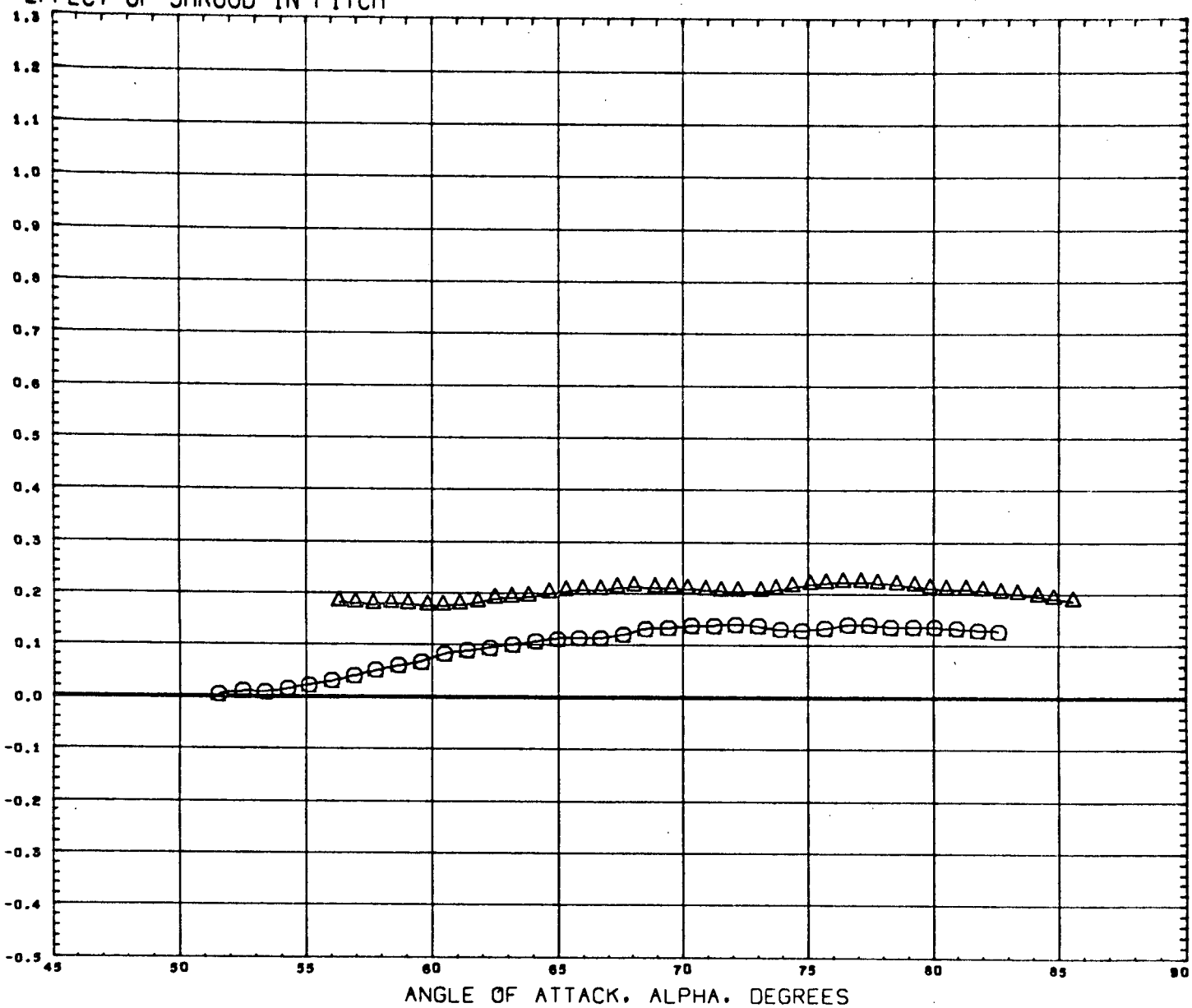
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4041)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(CD4001)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.70

EFFECT OF SHROUD IN PITCH



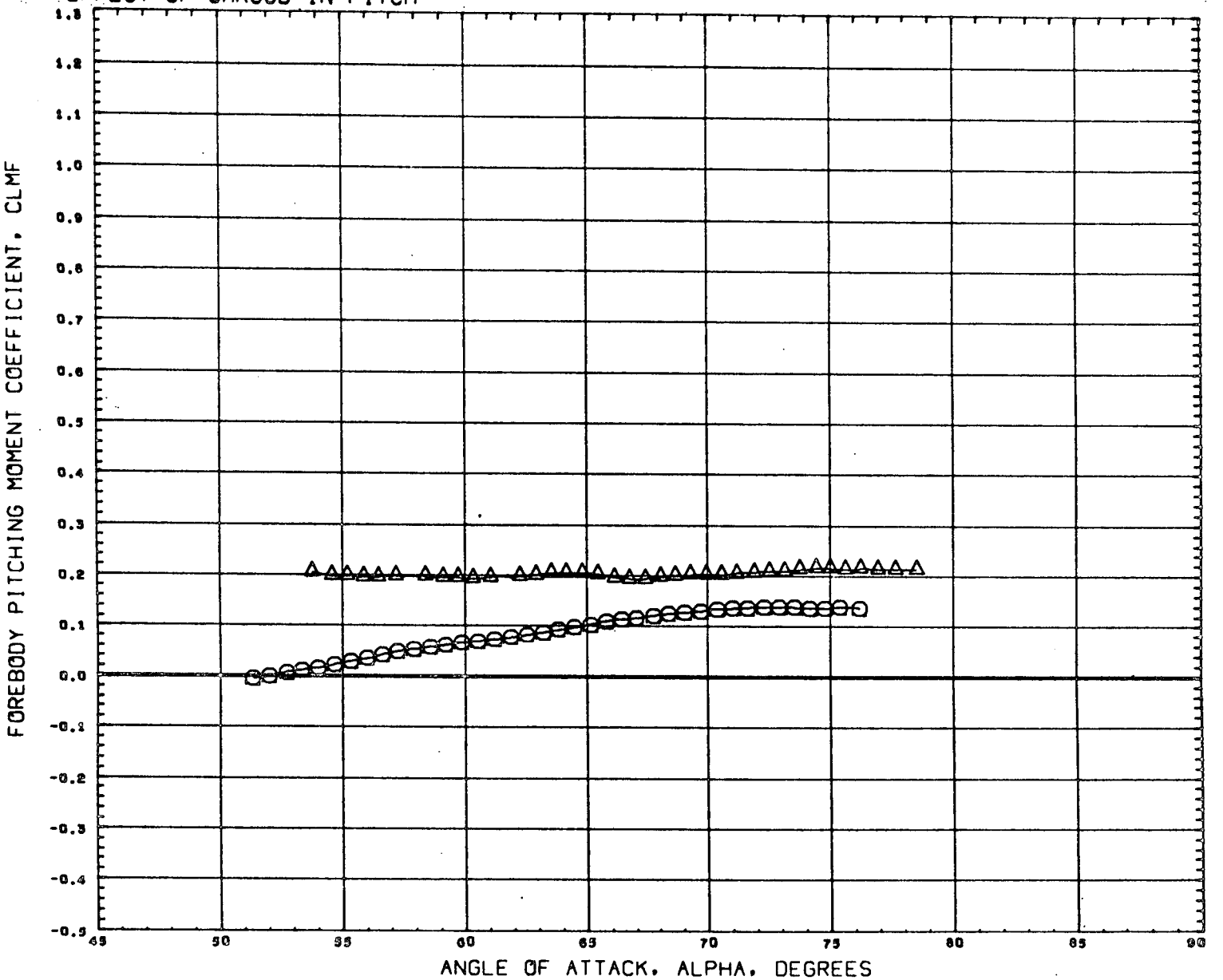
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF SHROUD IN PITCH

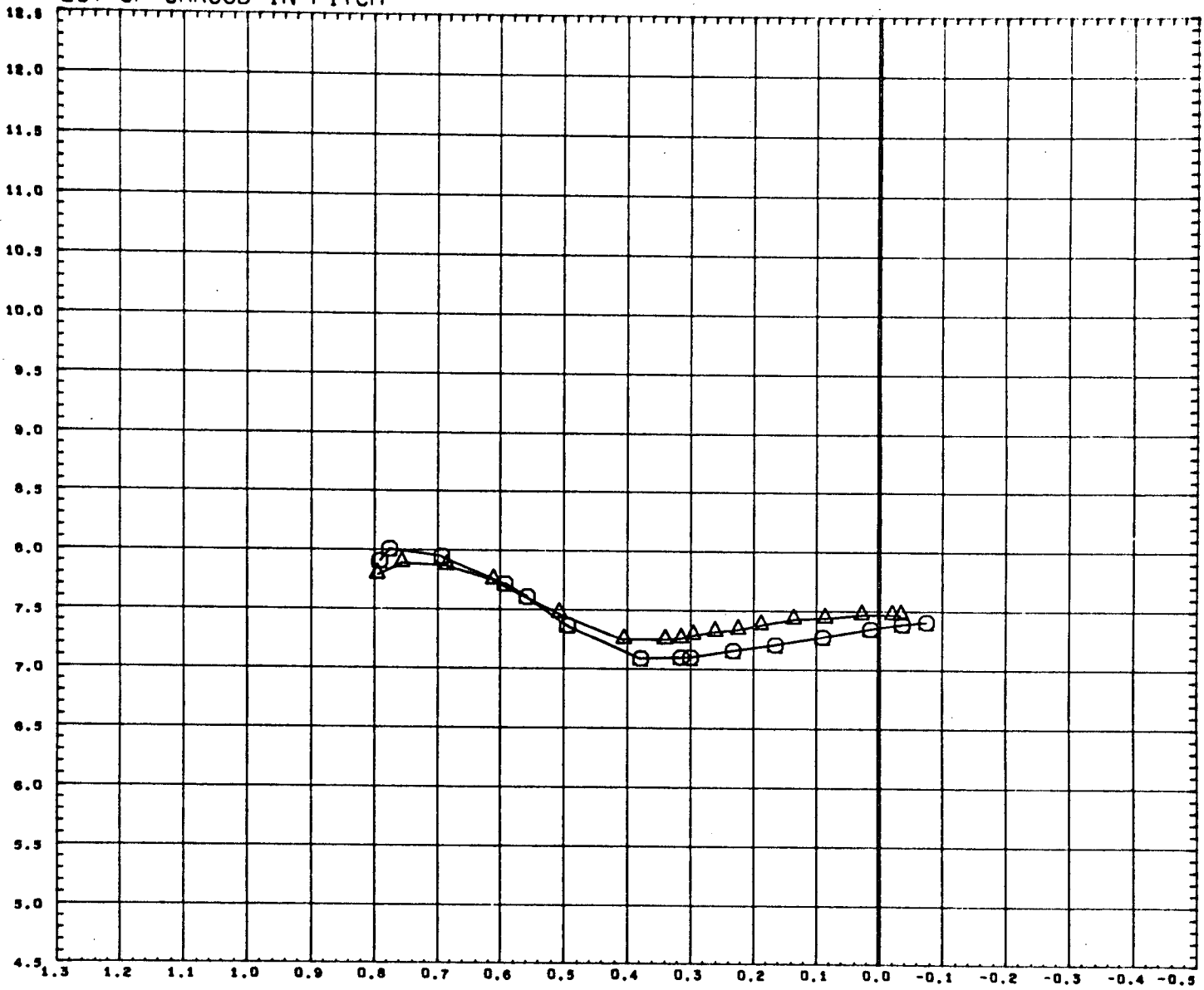


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.98

EFFECT OF SHROUD IN PITCH



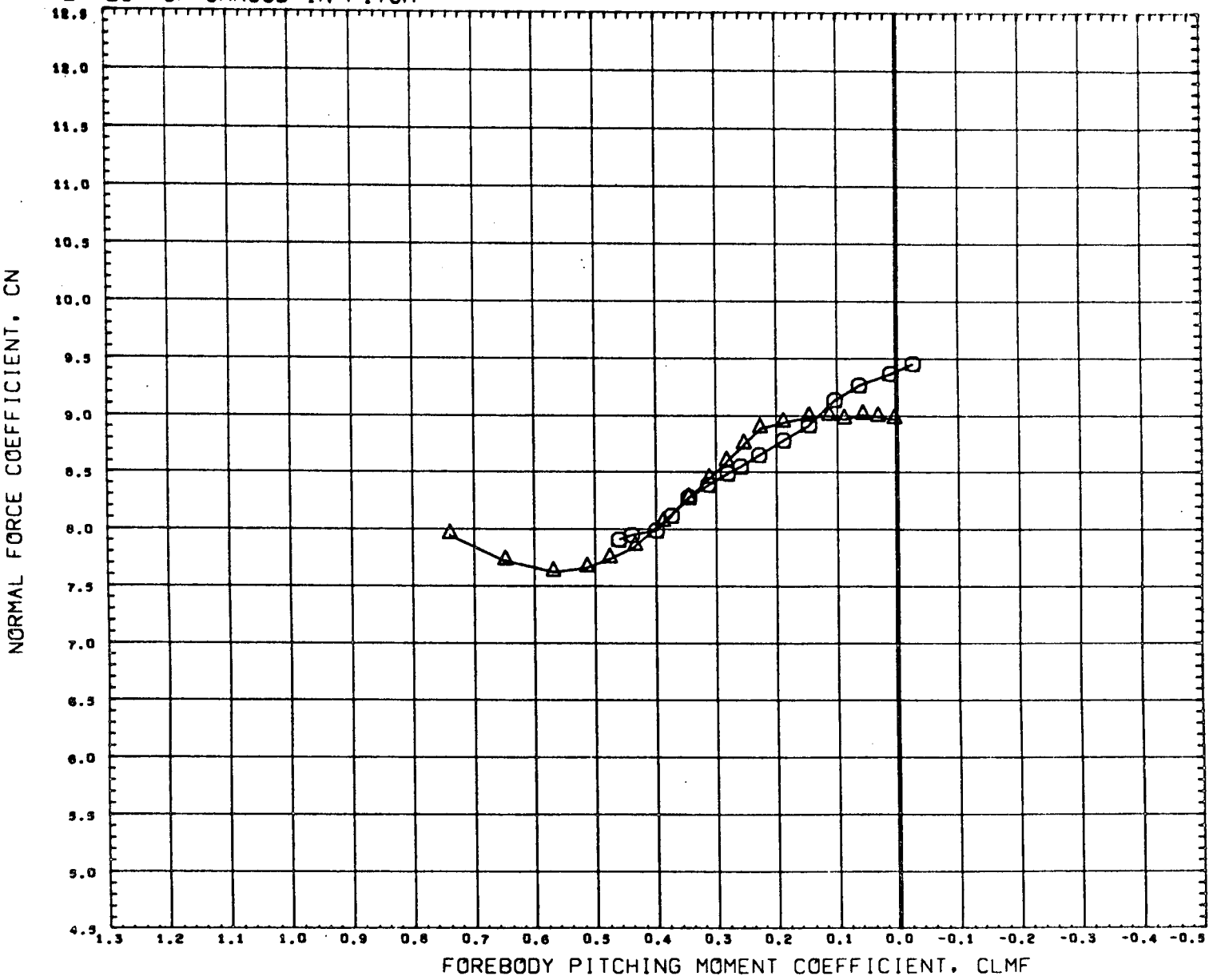
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN PITCH

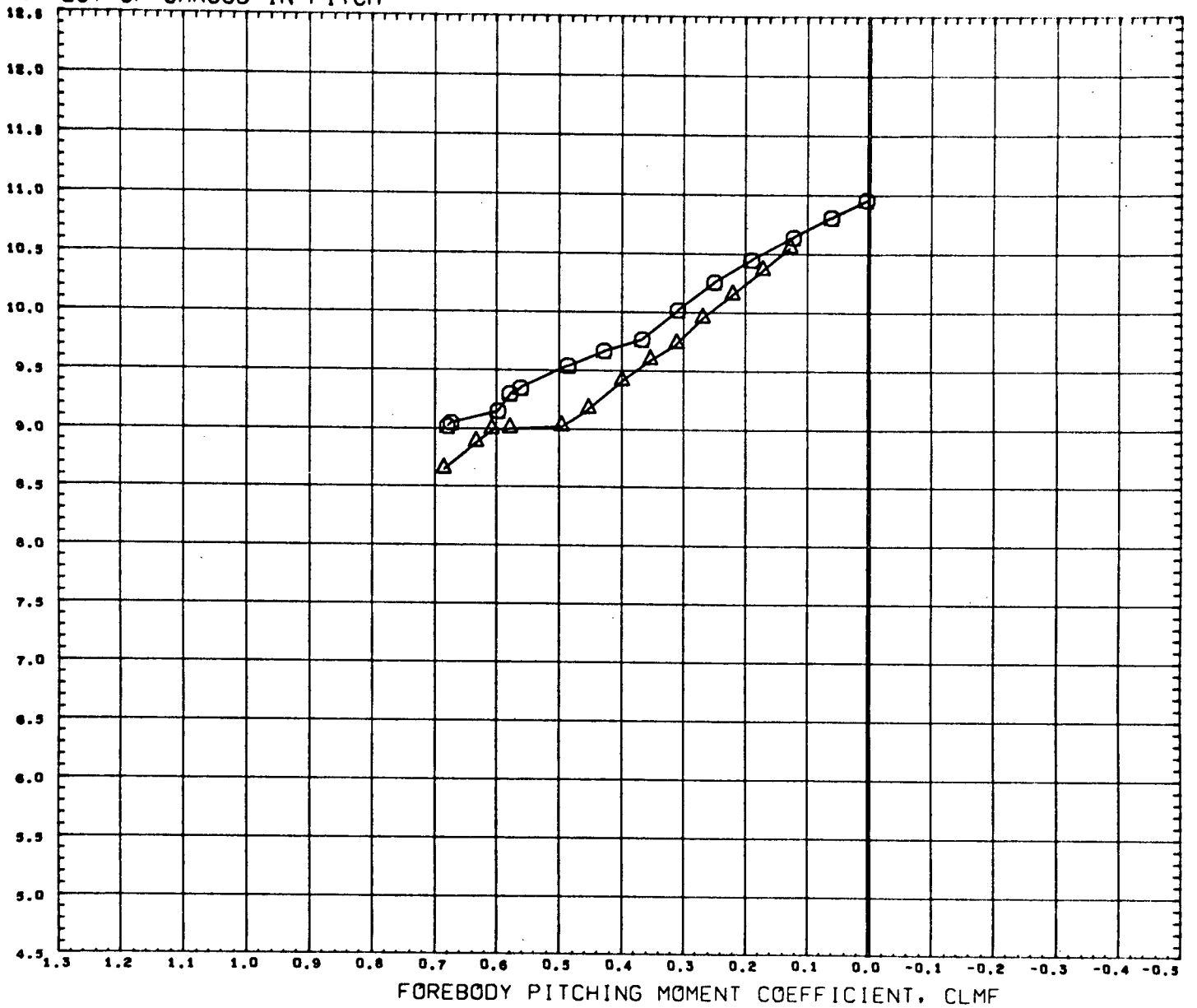


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0899	PERCNT

MACH .95

EFFECT OF SHROUD IN PITCH



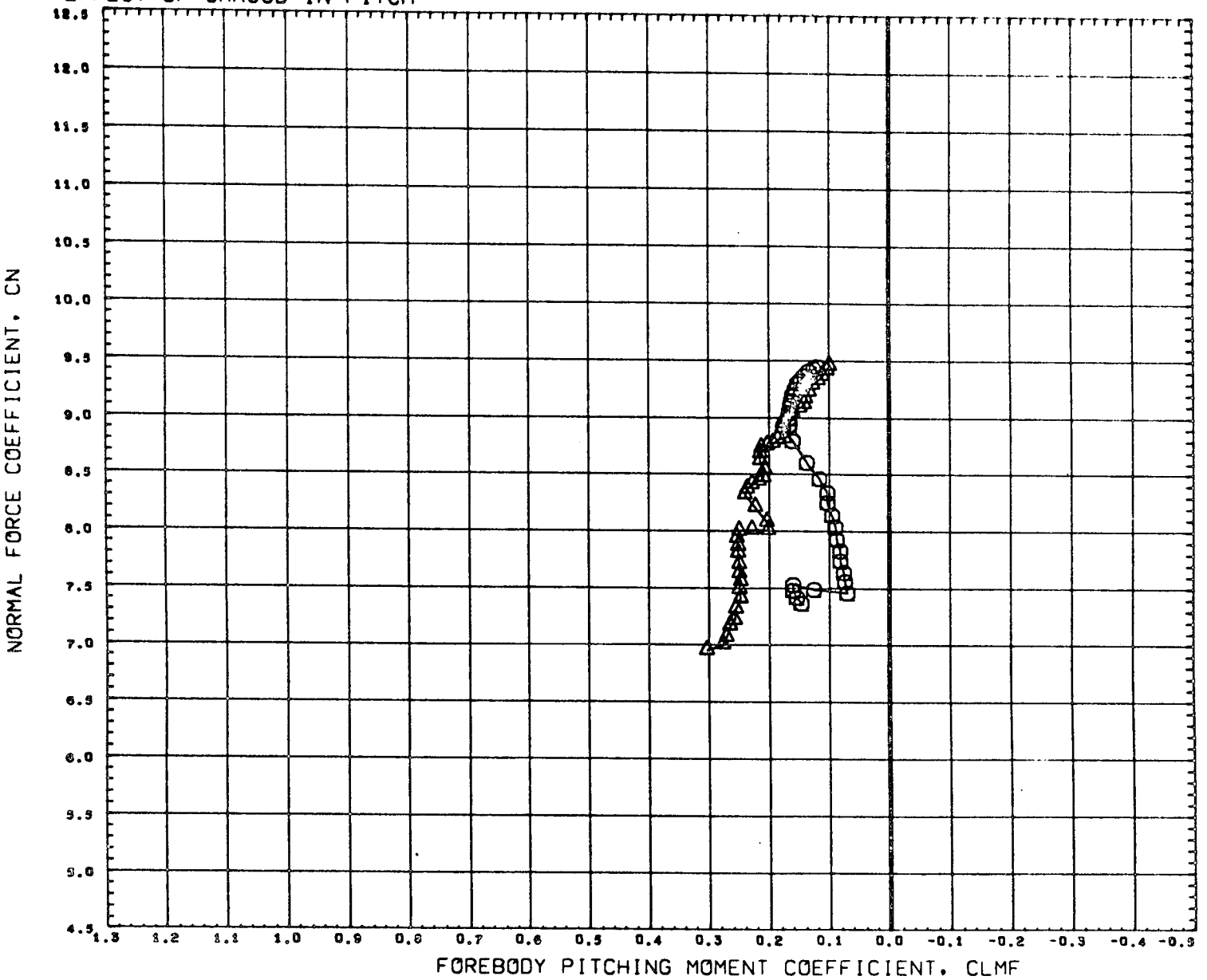
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(BD4041)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.10

EFFECT OF SHROUD IN PITCH



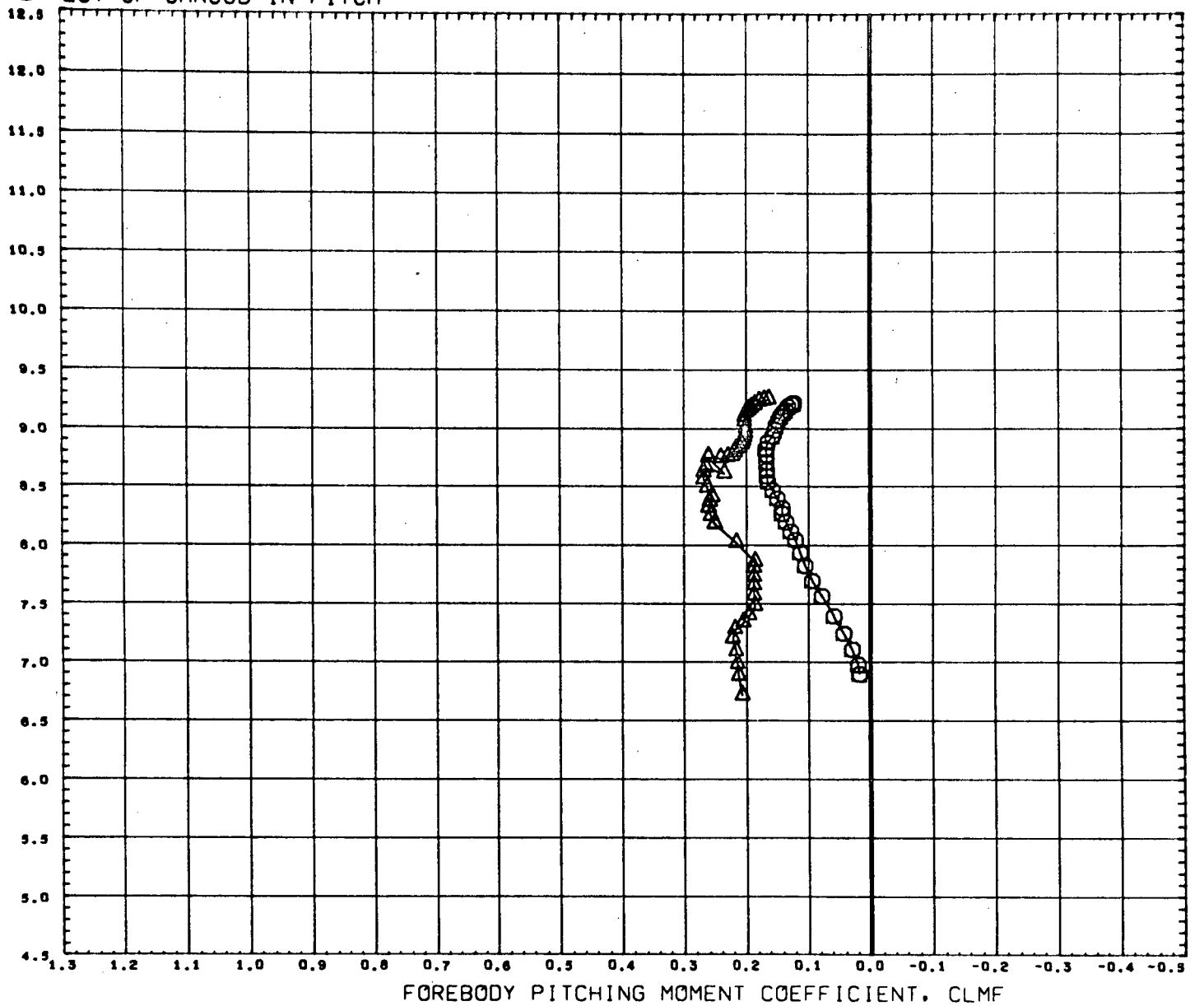
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 2.00

EFFECT OF SHROUD IN PITCH



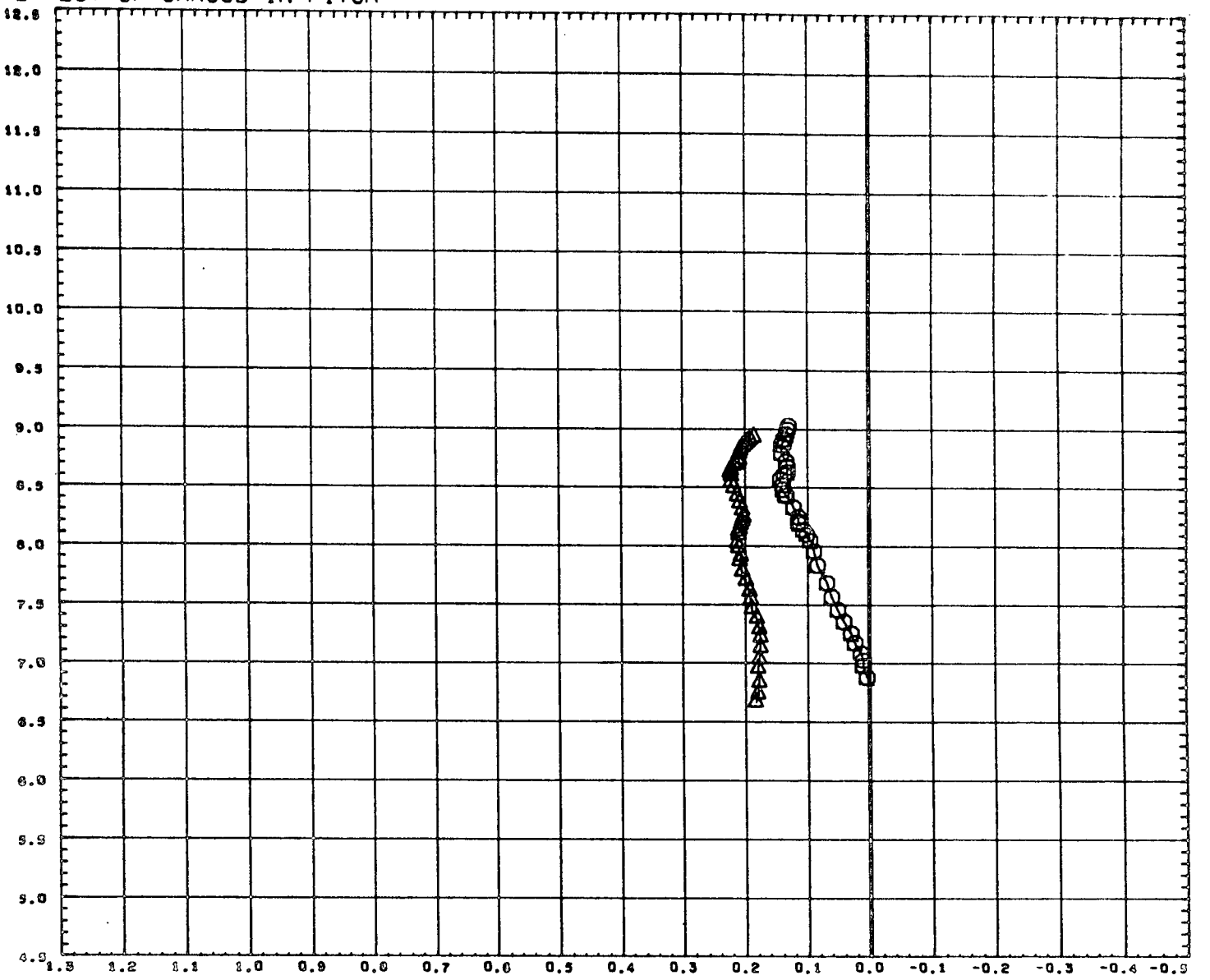
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 2.70

EFFECT OF SHROUD IN PITCH

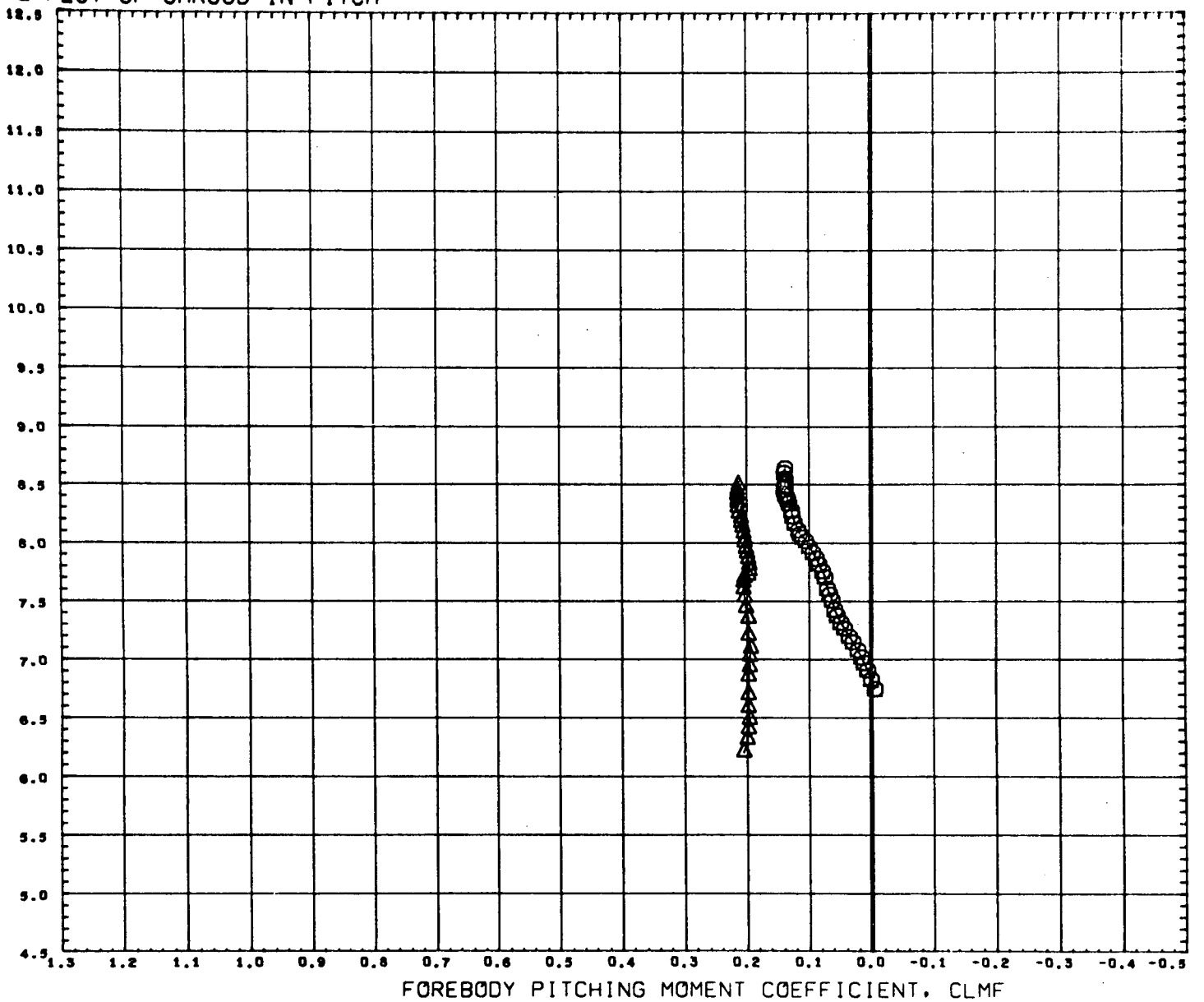


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)	○	BTWT 1273/8SWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)	△	BTWT 1273/8SWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.51

EFFECT OF SHROUD IN PITCH



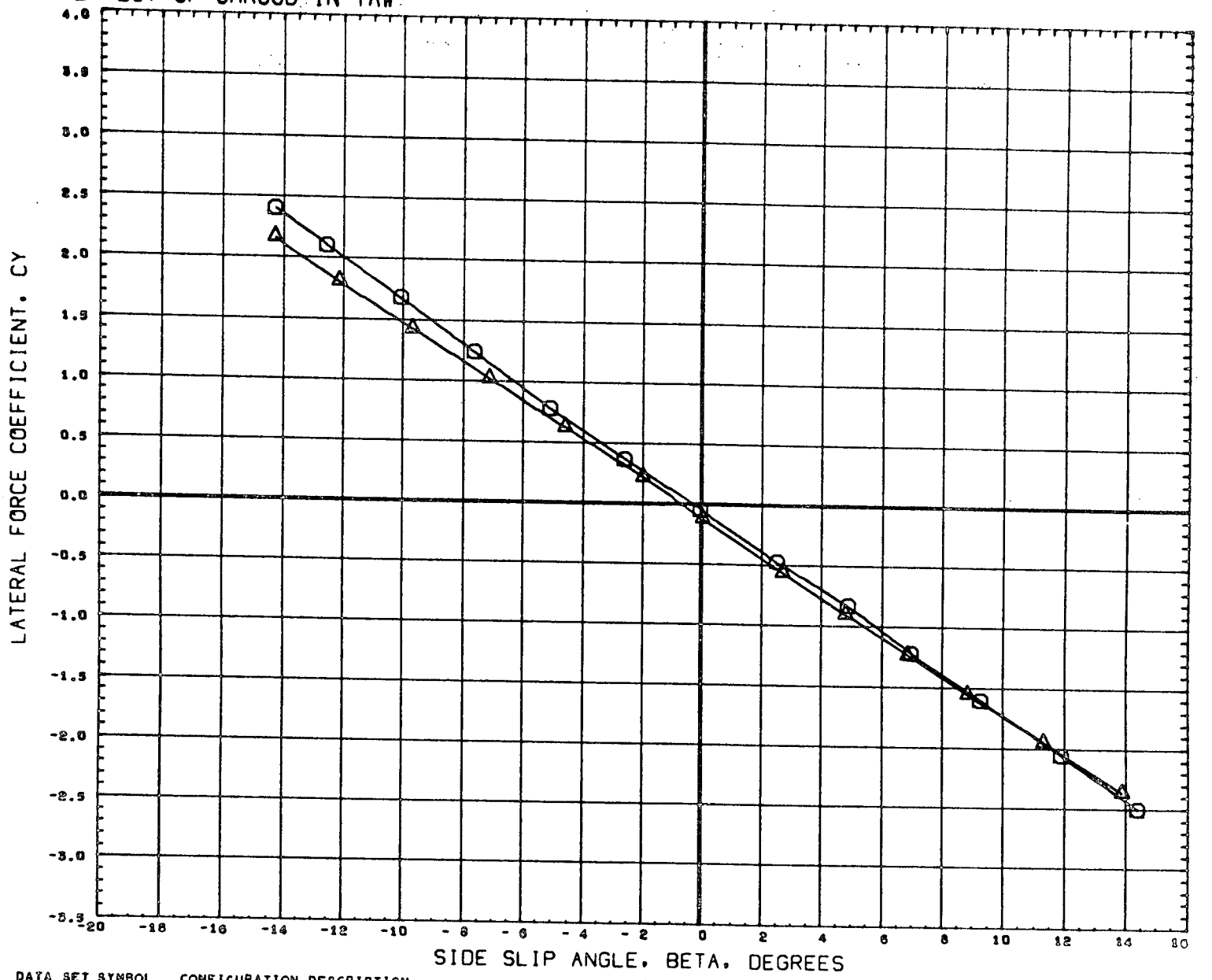
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(BD4041)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	0.000
(CD4061)		BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 3.98

EFFECT OF SHROUD IN YAW



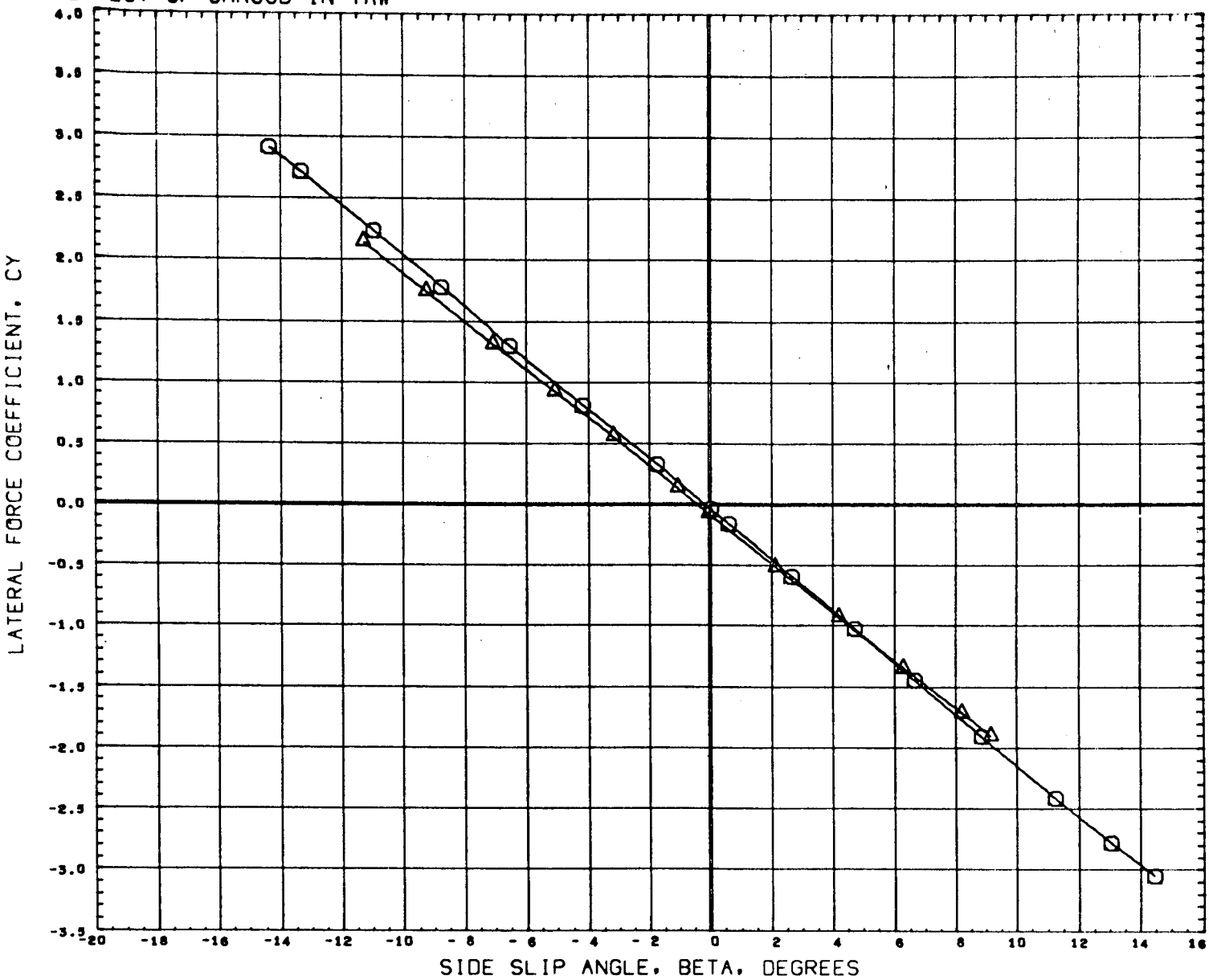
DATA SET SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(8D4044)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(8D4064)	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN YAW



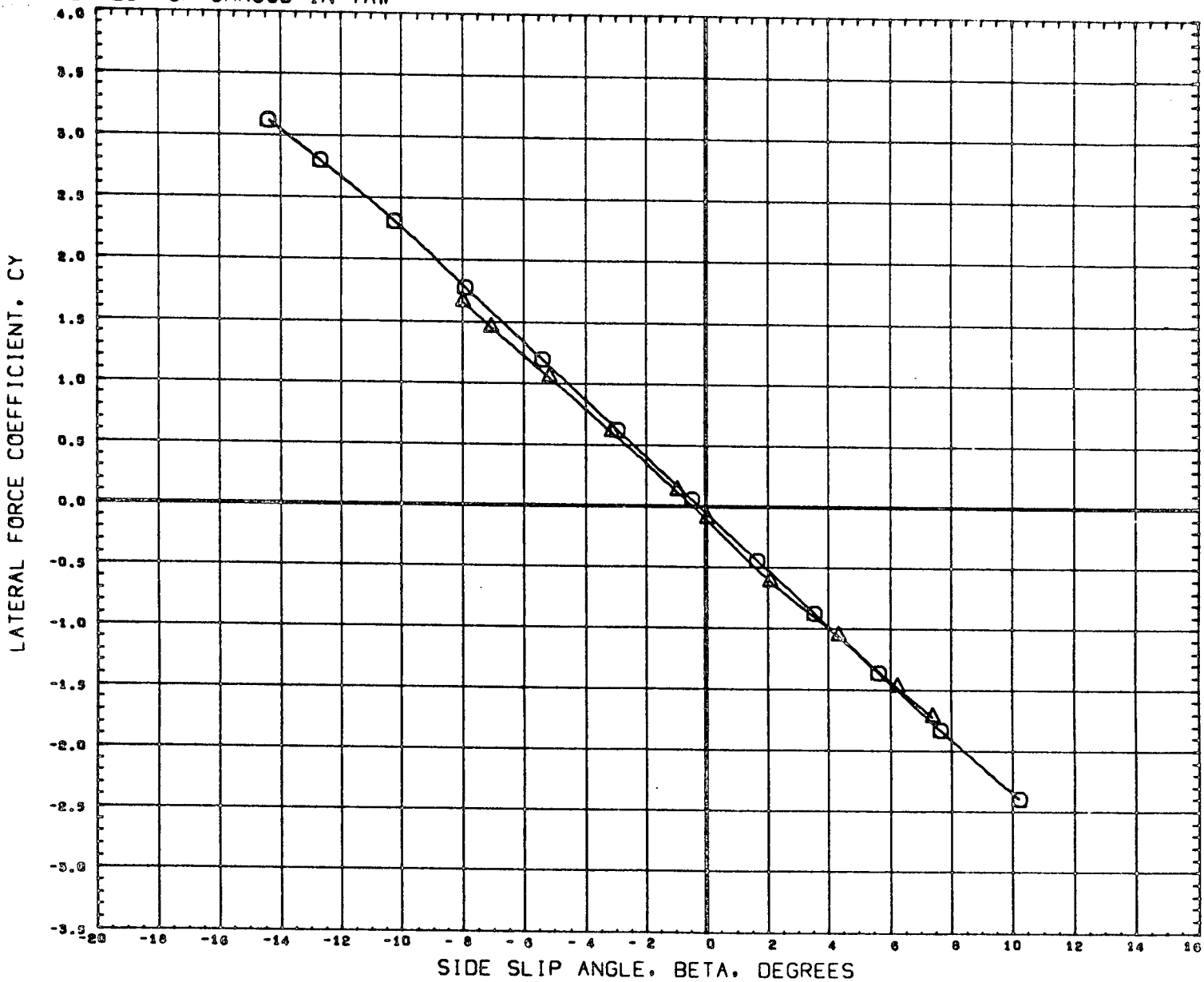
DATA SET SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4044) ○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	70.000
(BD4064) △	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .95

EFFECT OF SHROUD IN YAW



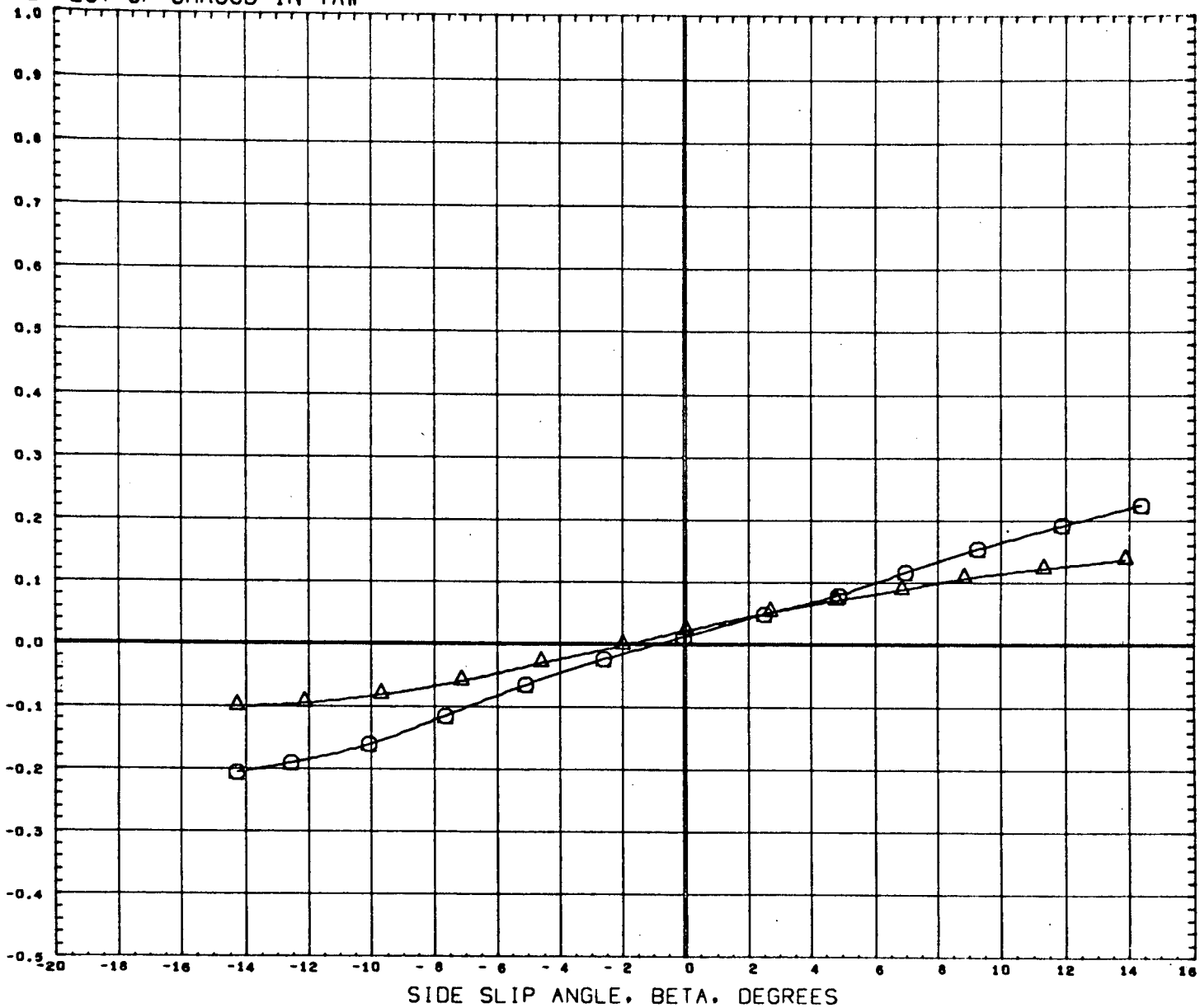
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4044)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF SHROUD IN YAW

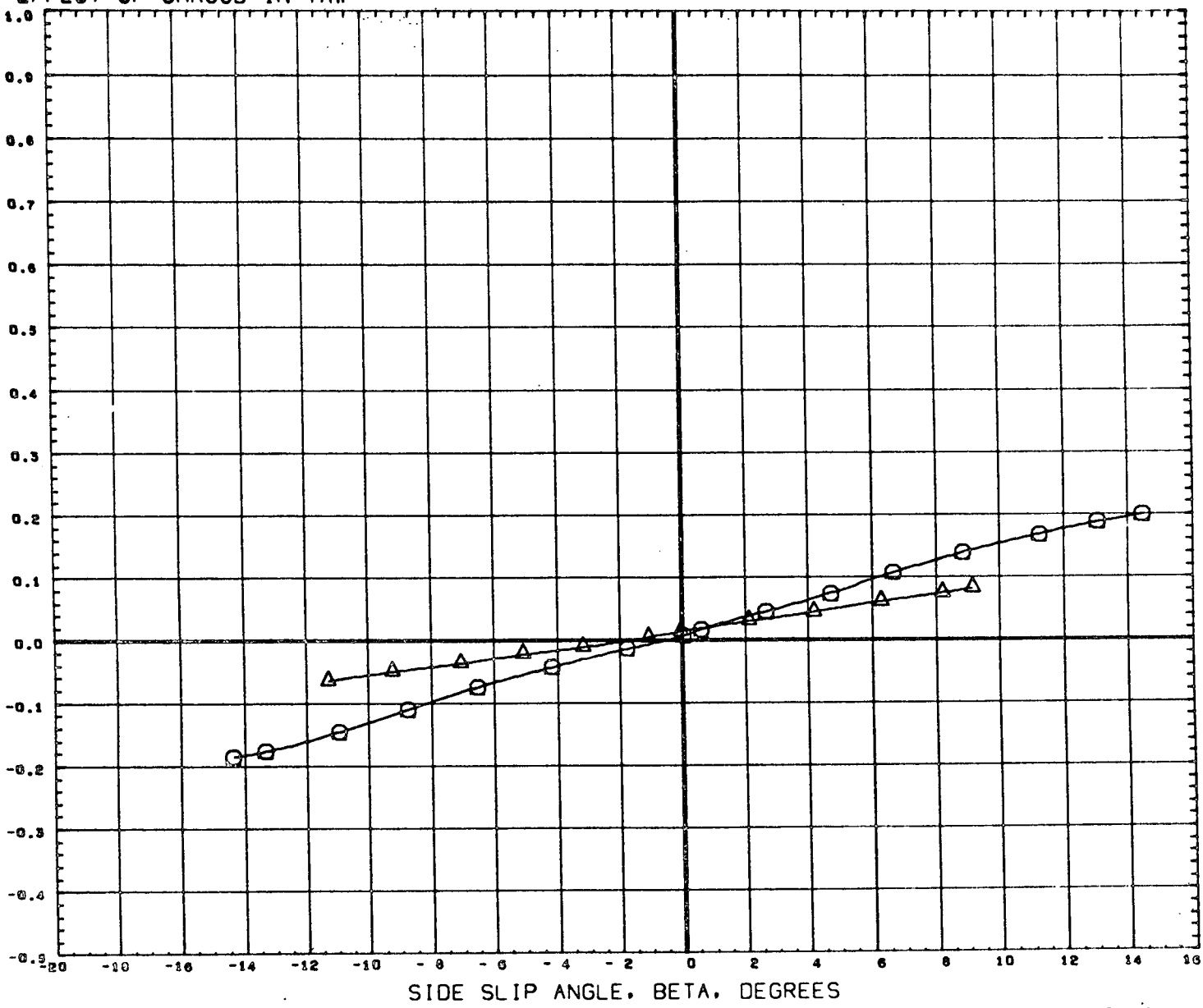


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN YAW



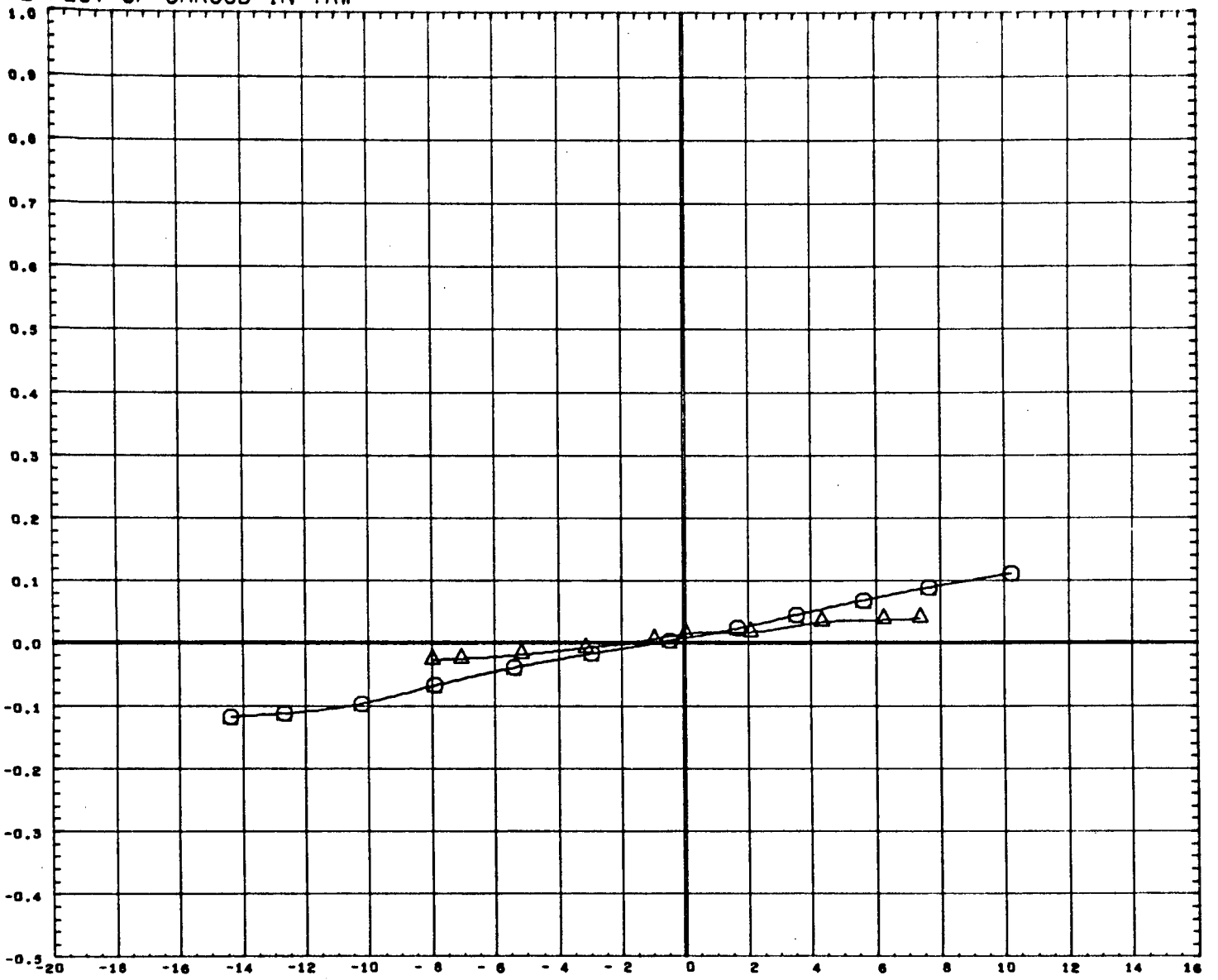
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF SHROUD IN YAW



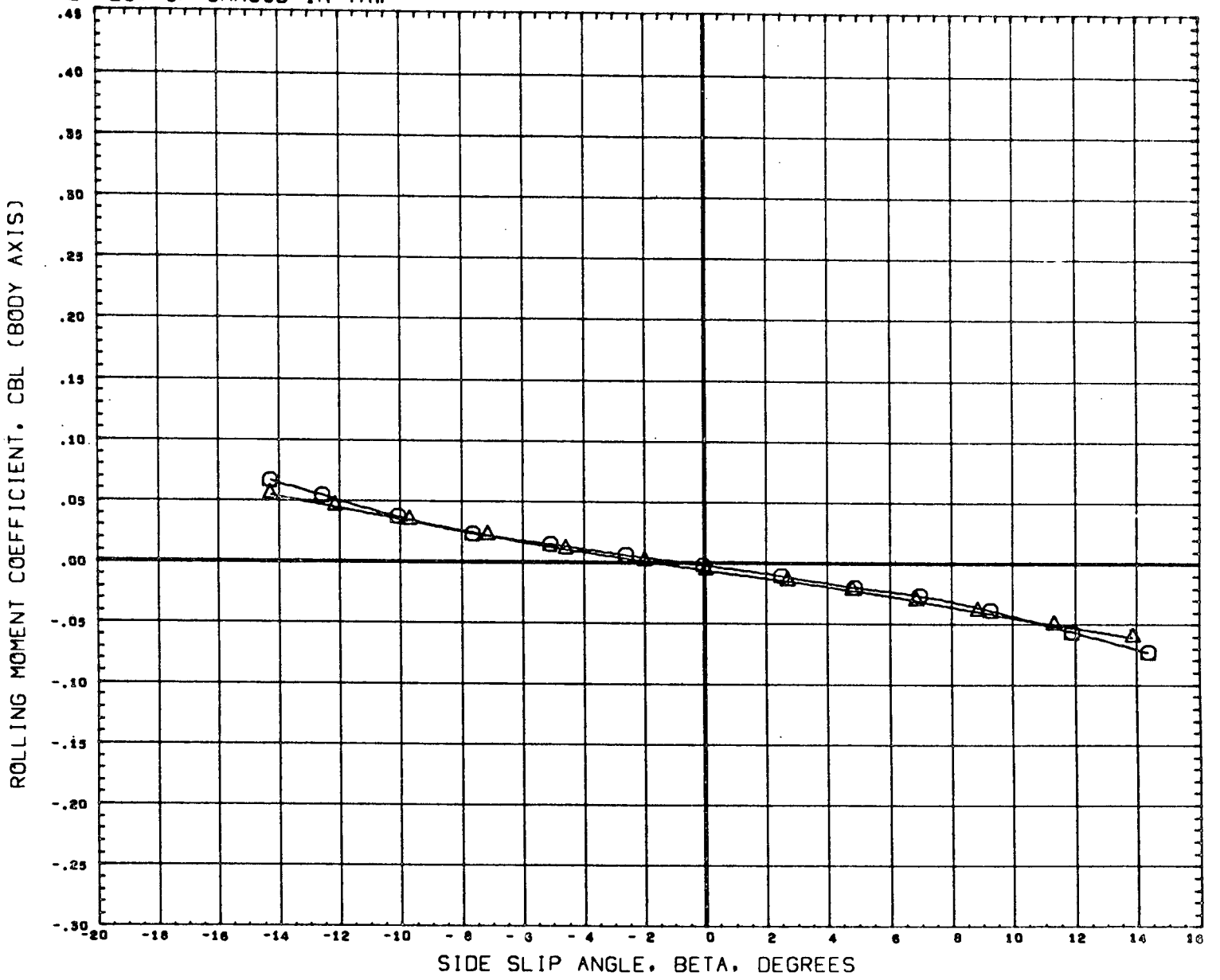
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4044)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF SHROUD IN YAW



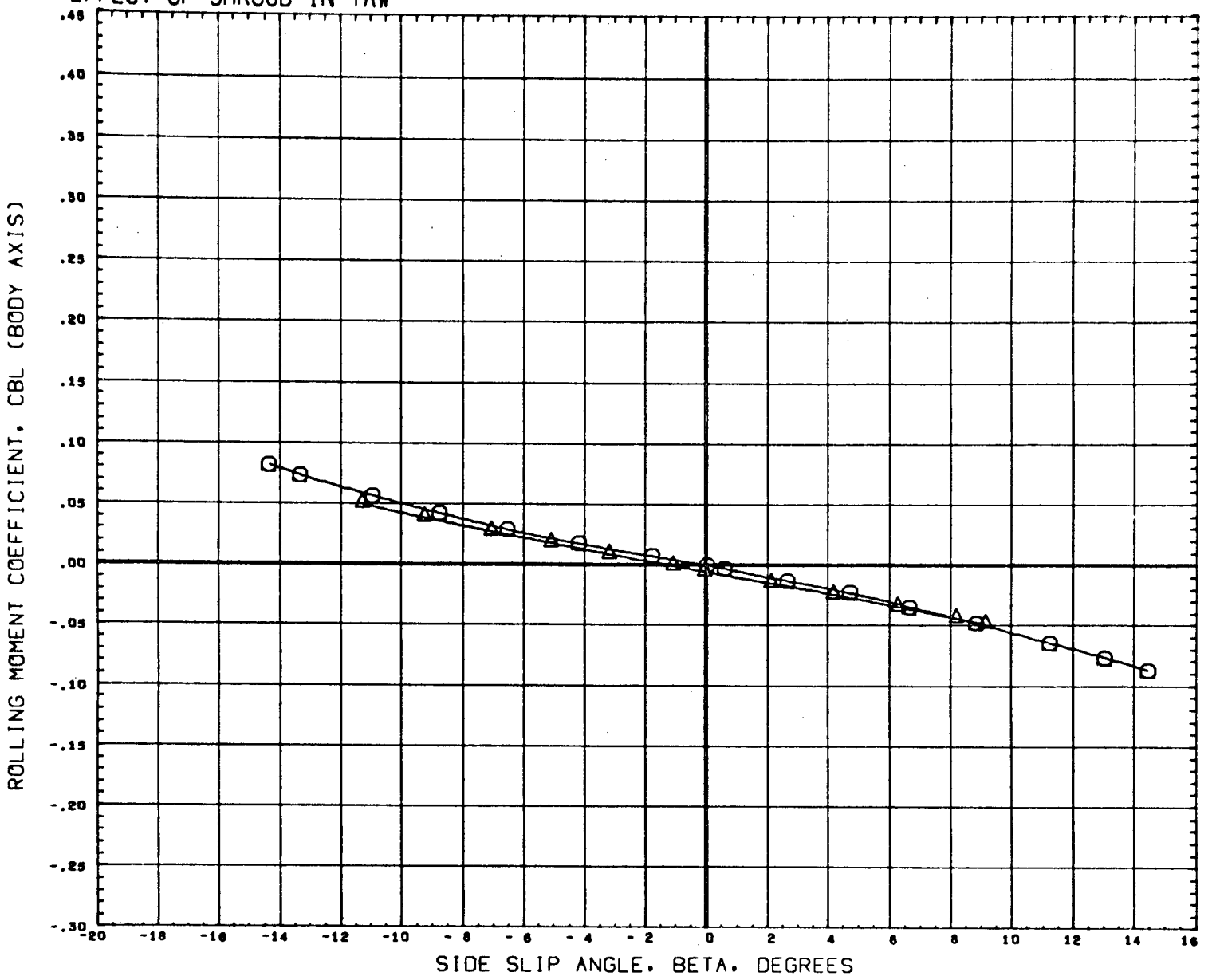
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .80

EFFECT OF SHROUD IN YAW

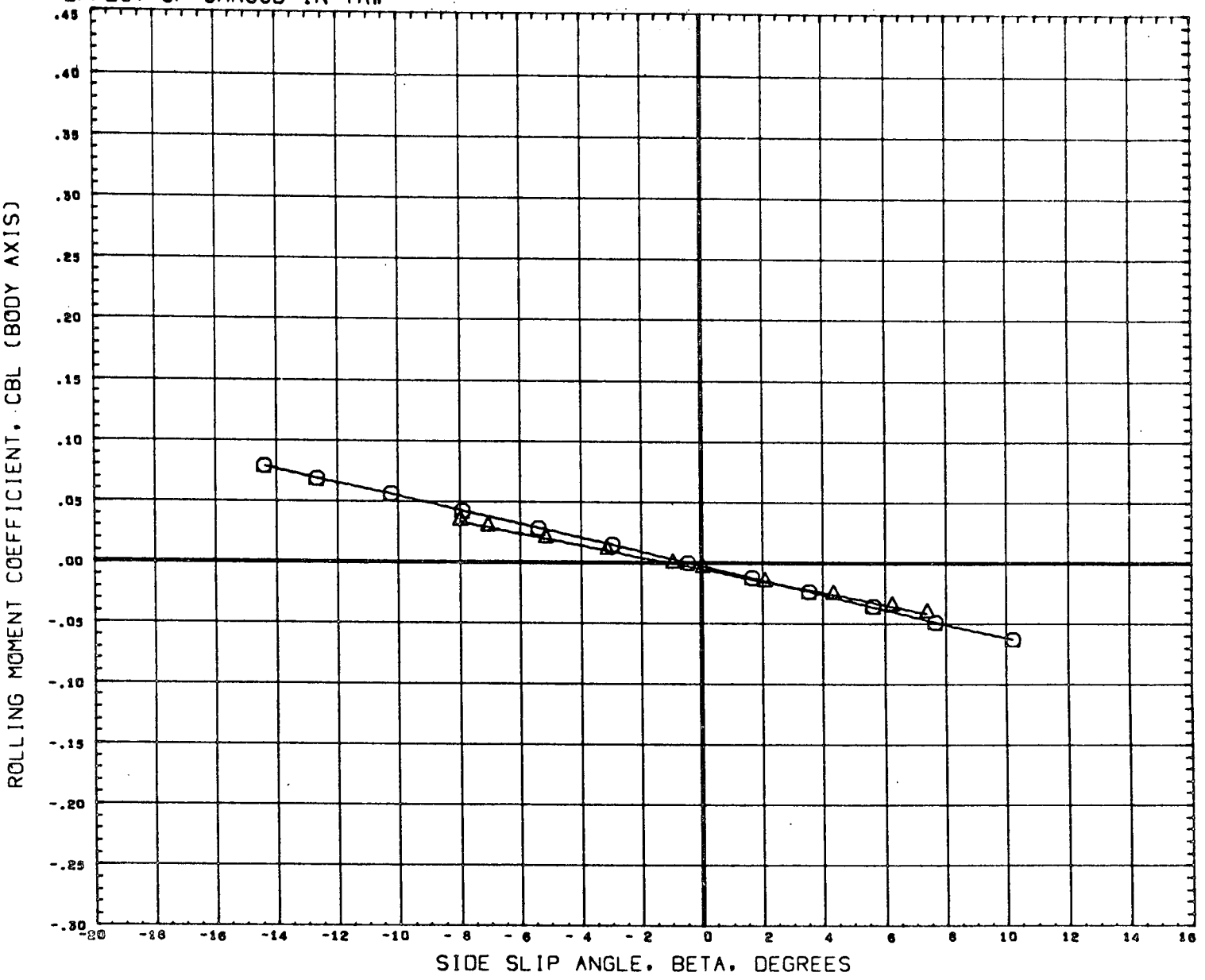


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4044)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF SHROUD IN YAW



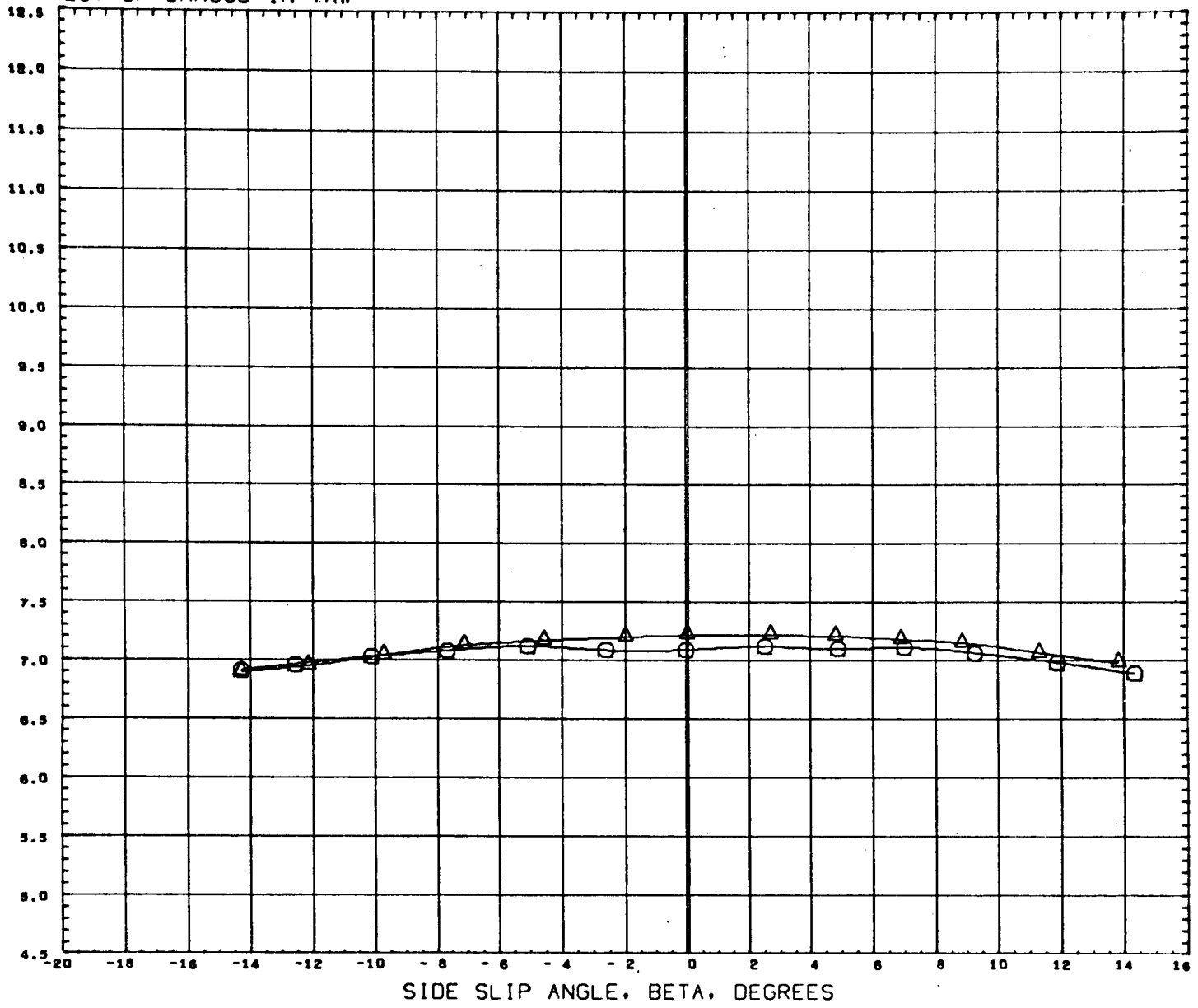
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 1.05

EFFECT OF SHROUD IN YAW



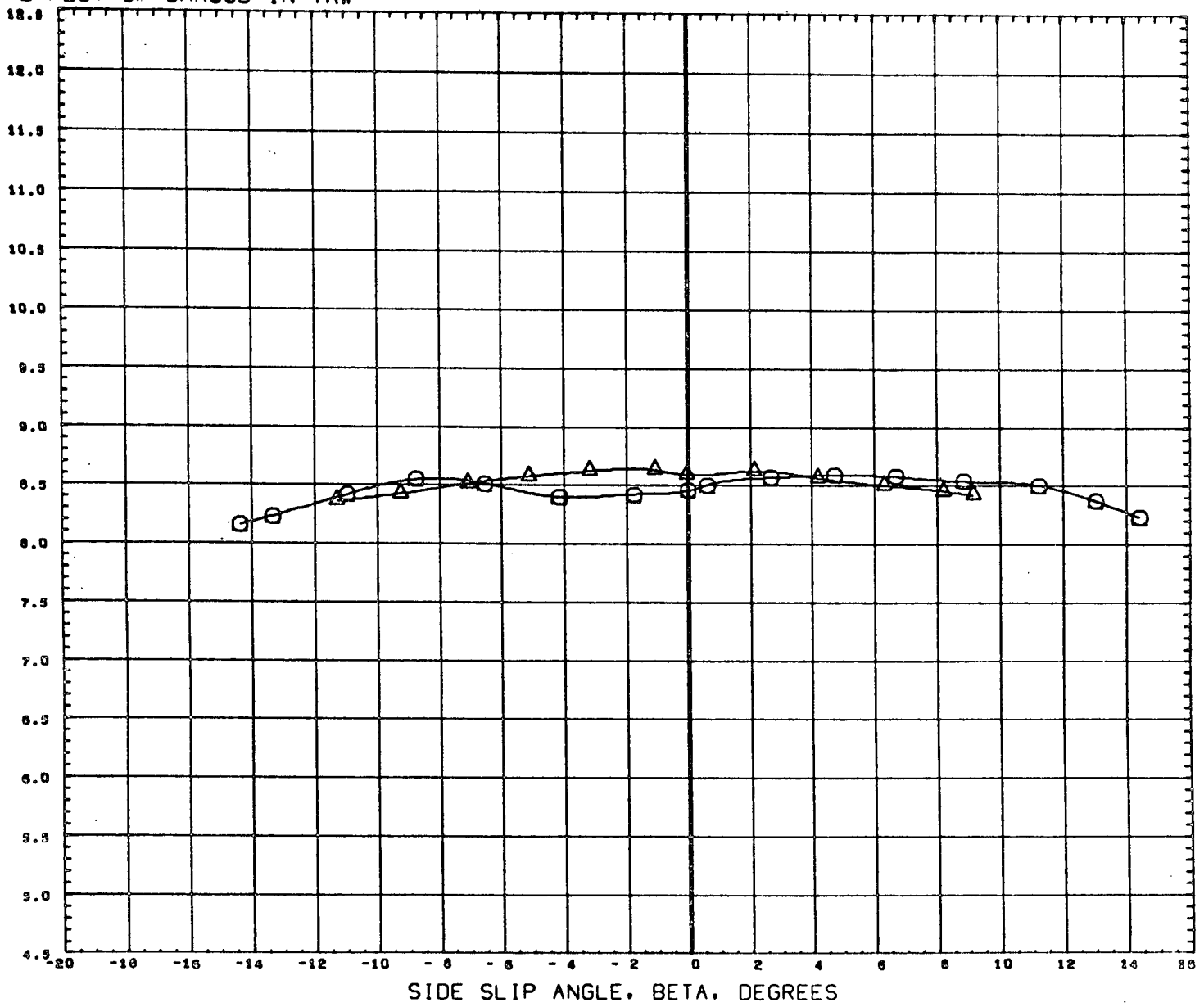
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH .80

EFFECT OF SHROUD IN YAW



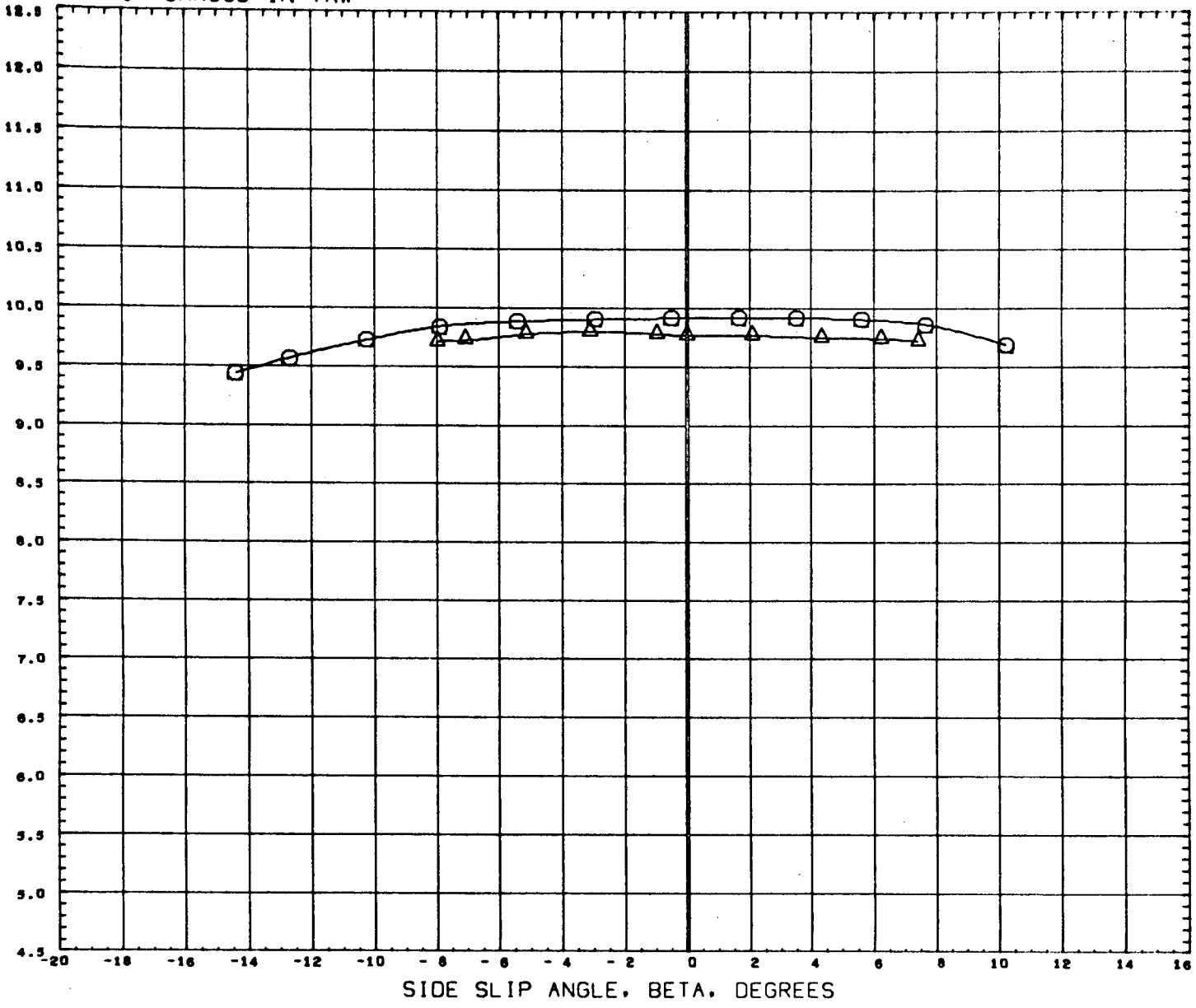
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH .95

EFFECT OF SHROUD IN YAW



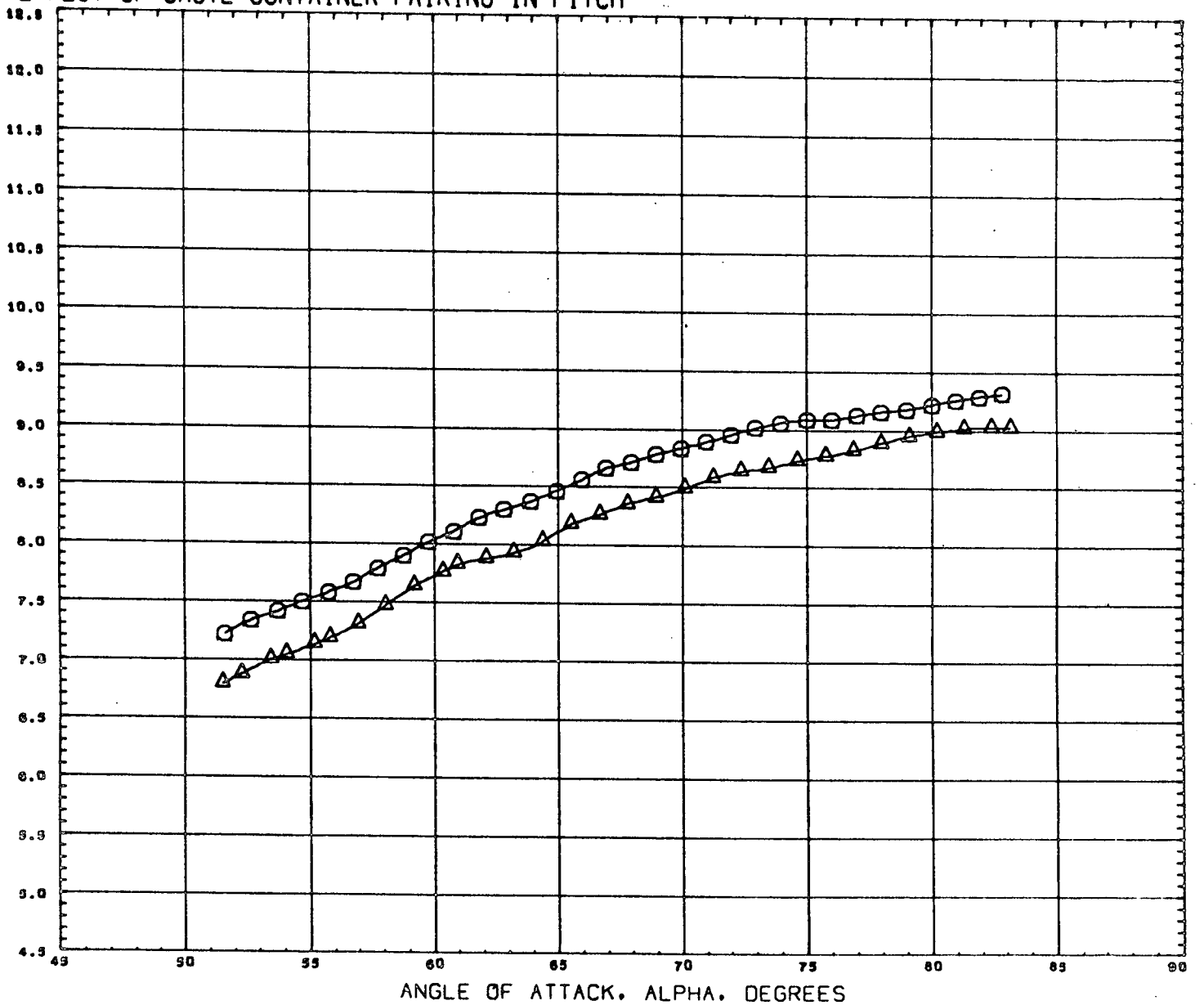
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(BD4044)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

MACH 1.05

EFFECT OF CHUTE CONTAINER FAIRING IN PITCH



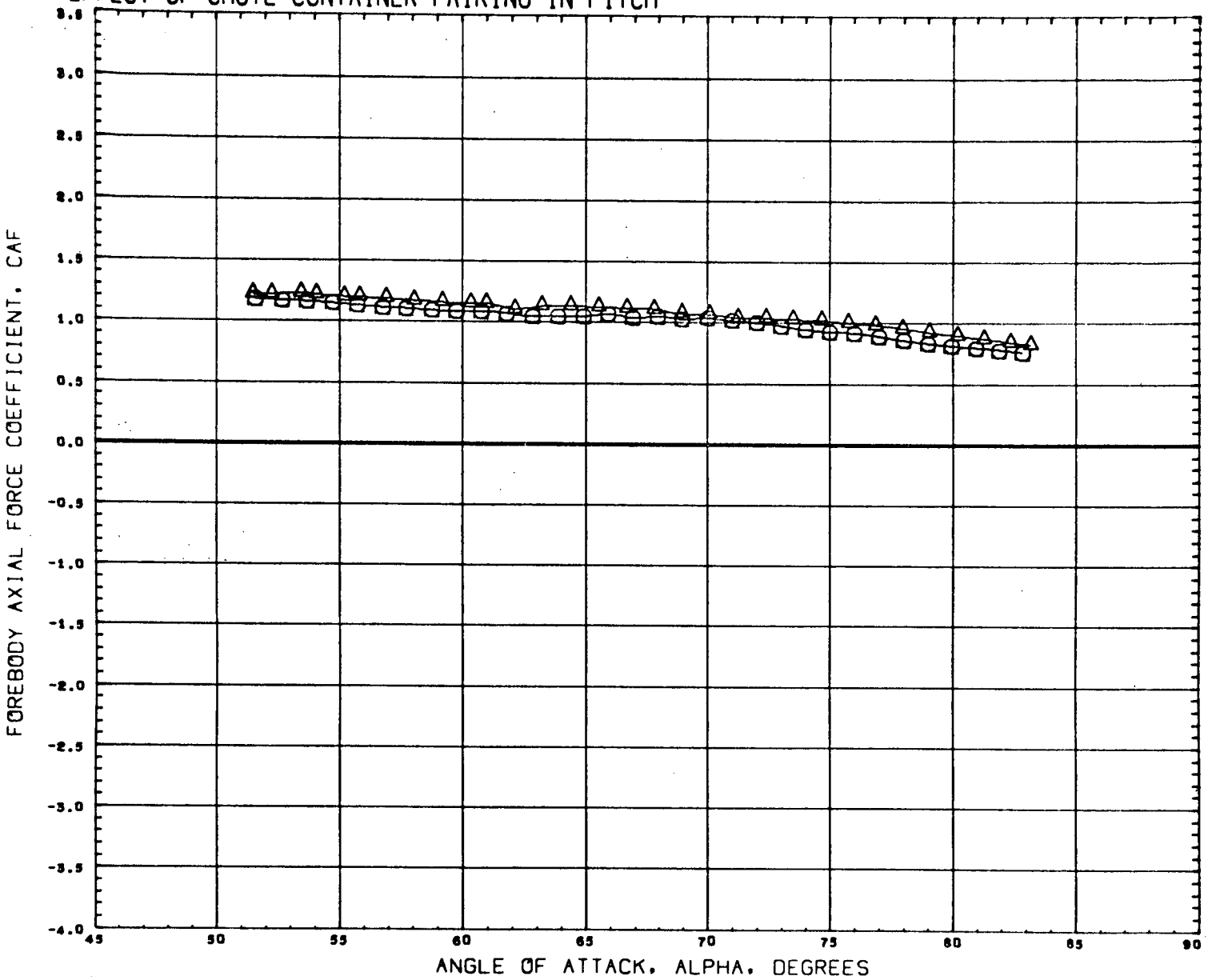
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4081)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1.1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF CHUTE CONTAINER FAIRING IN PITCH

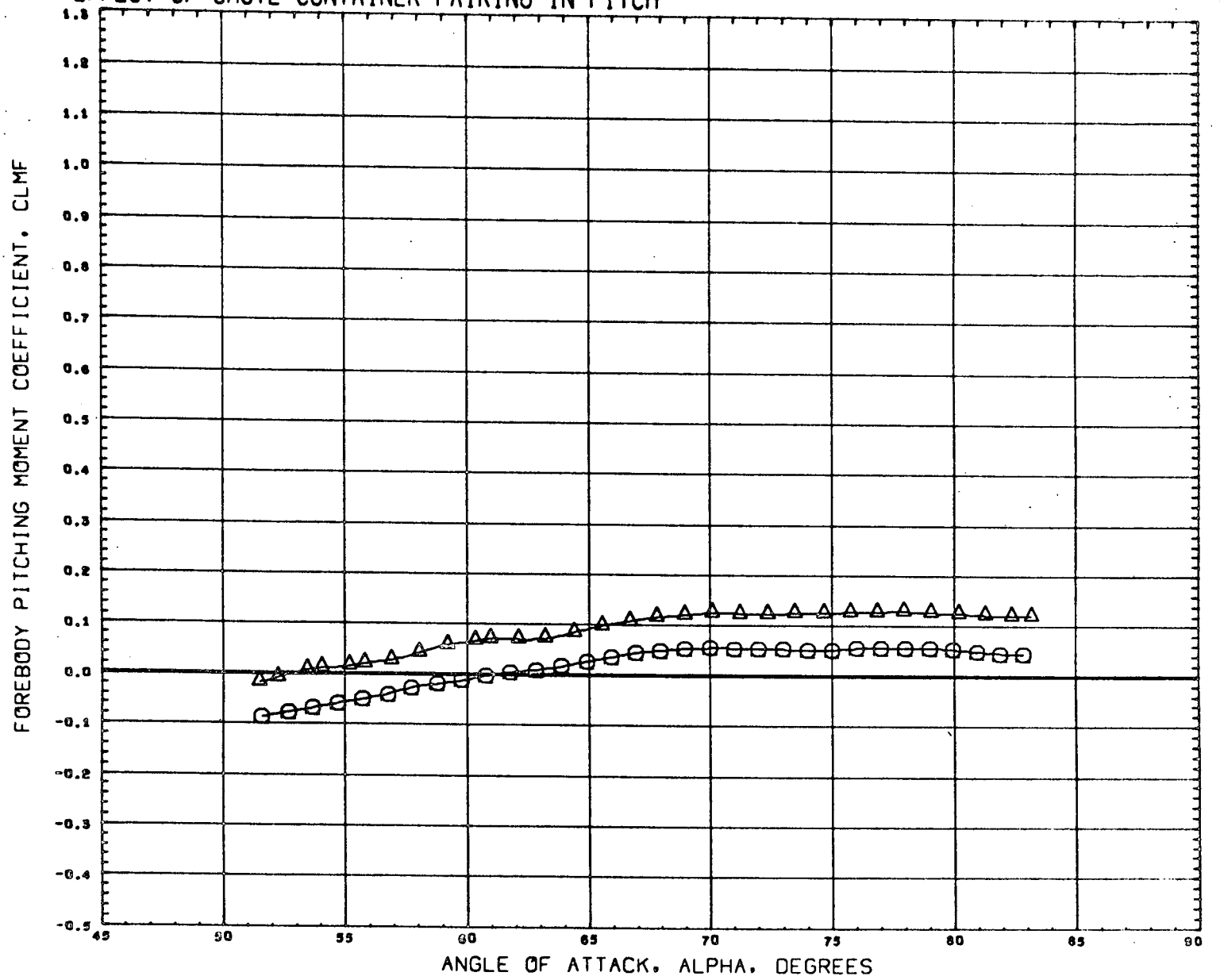


DATA SET SYMBOL		CONFIGURATION DESCRIPTION			BETA
(CD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1		0.000
(AD4061)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1.1S1V2		0.000

REFERENCE INFORMATION		
SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

EFFECT OF CHUTE CONTAINER FAIRING IN PITCH



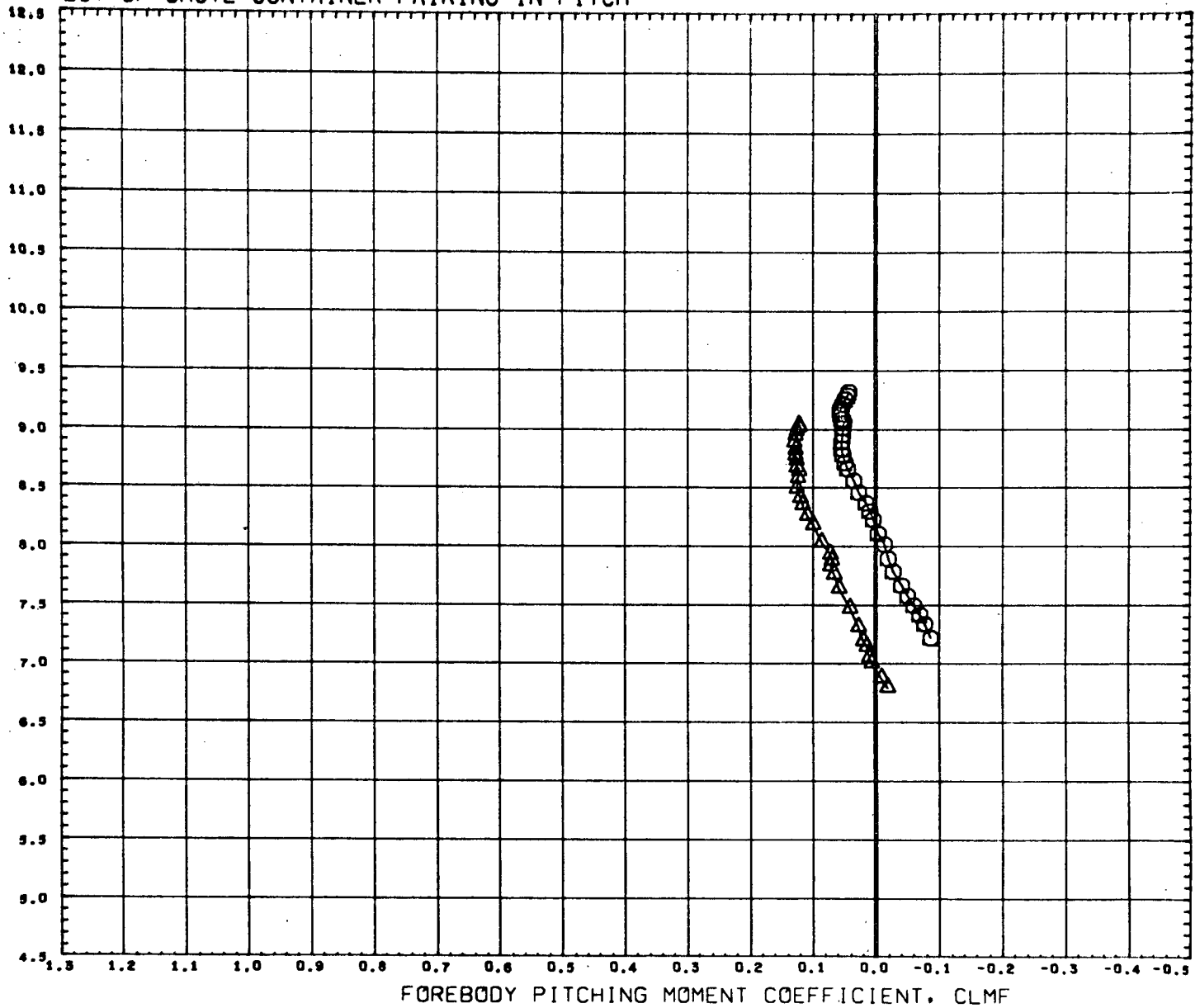
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		BETA
(CD4031)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V1	0.000
(AD4081)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1.1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8099	PERCNT

MACH 3.51

EFFECT OF CHUTE CONTAINER FAIRING IN PITCH



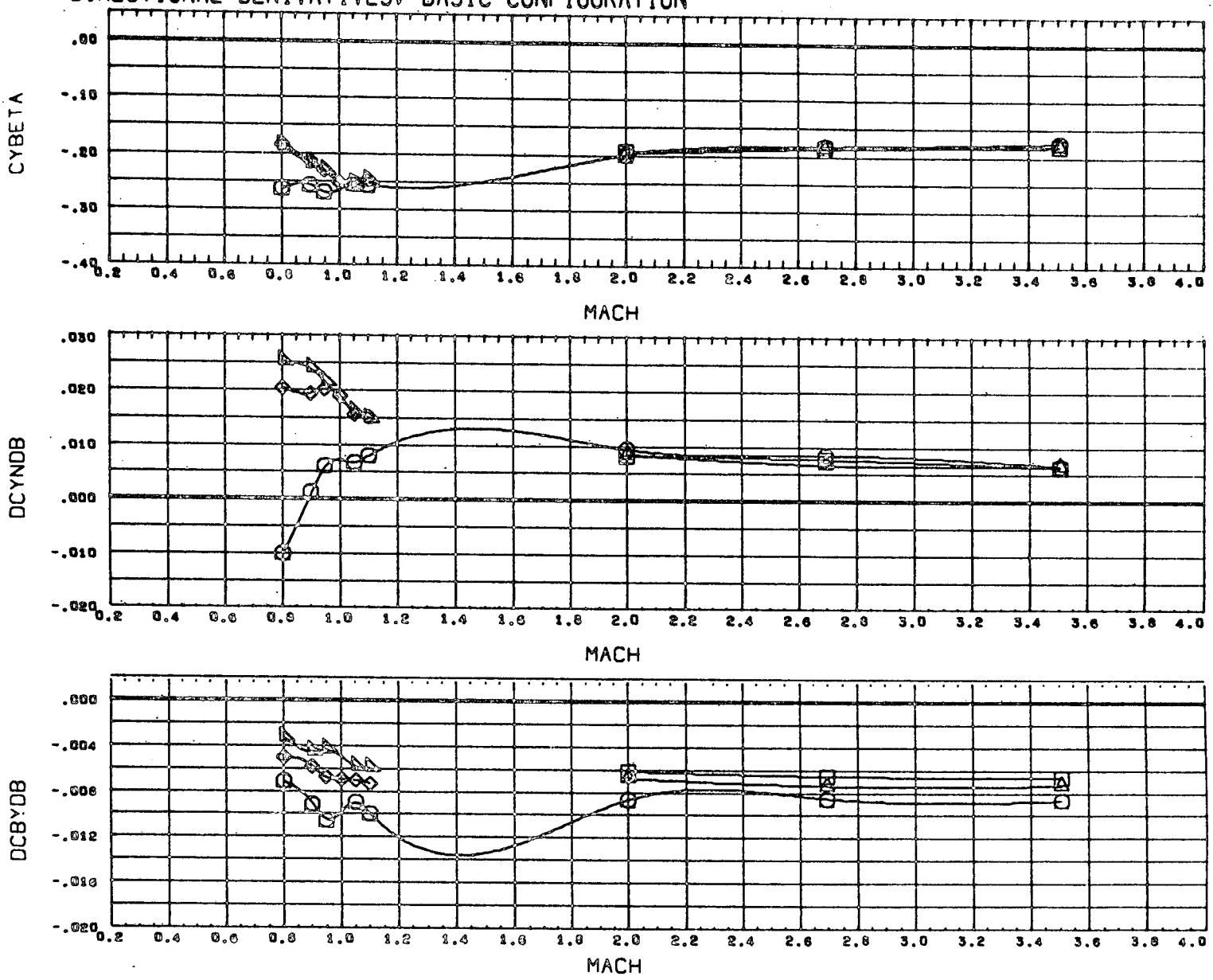
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			BETA
(CD4031)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V1	0.000
(AD4061)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1.1S1V2	0.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

MACH 3.51

DIRECTIONAL DERIVATIVES, BASIC CONFIGURATION

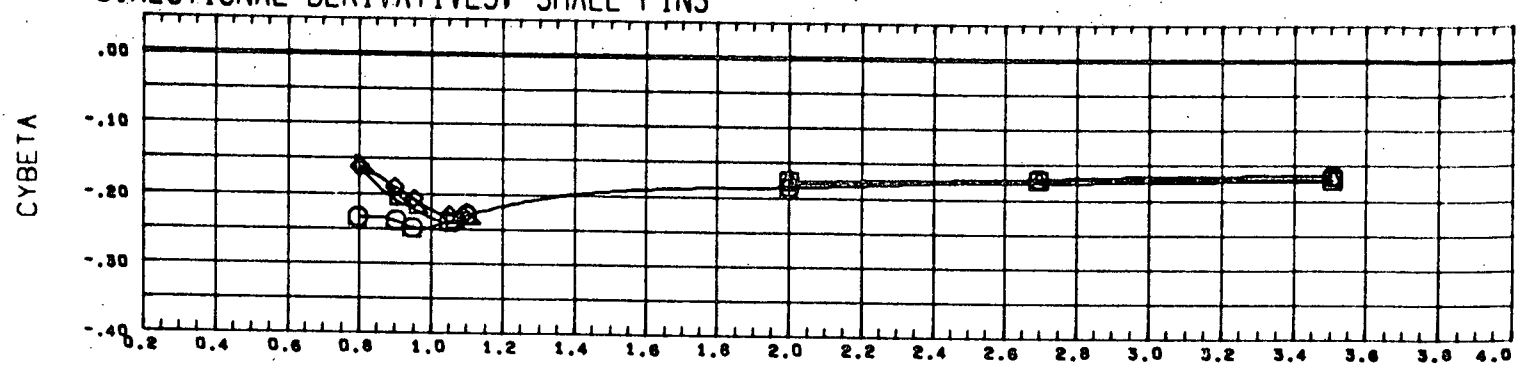


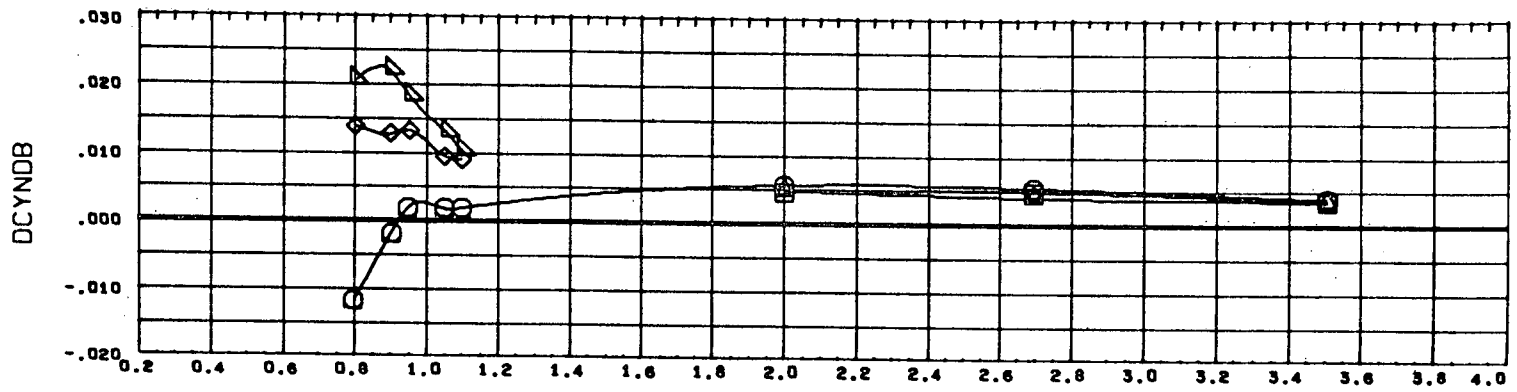
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(AD4032)	○	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	50.000
(AD4033)	△	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	67.500
(AD4034)	◇	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	70.000
(CD4035)	□	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	77.500
(AD4036)	▽	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	85.000

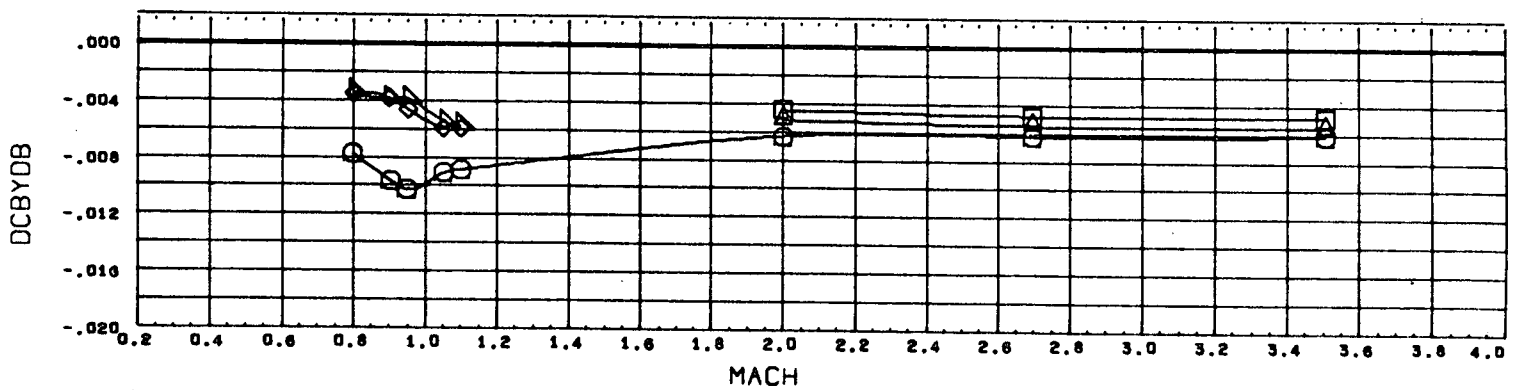
REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

DIRECTIONAL DERIVATIVES, SMALL FINS





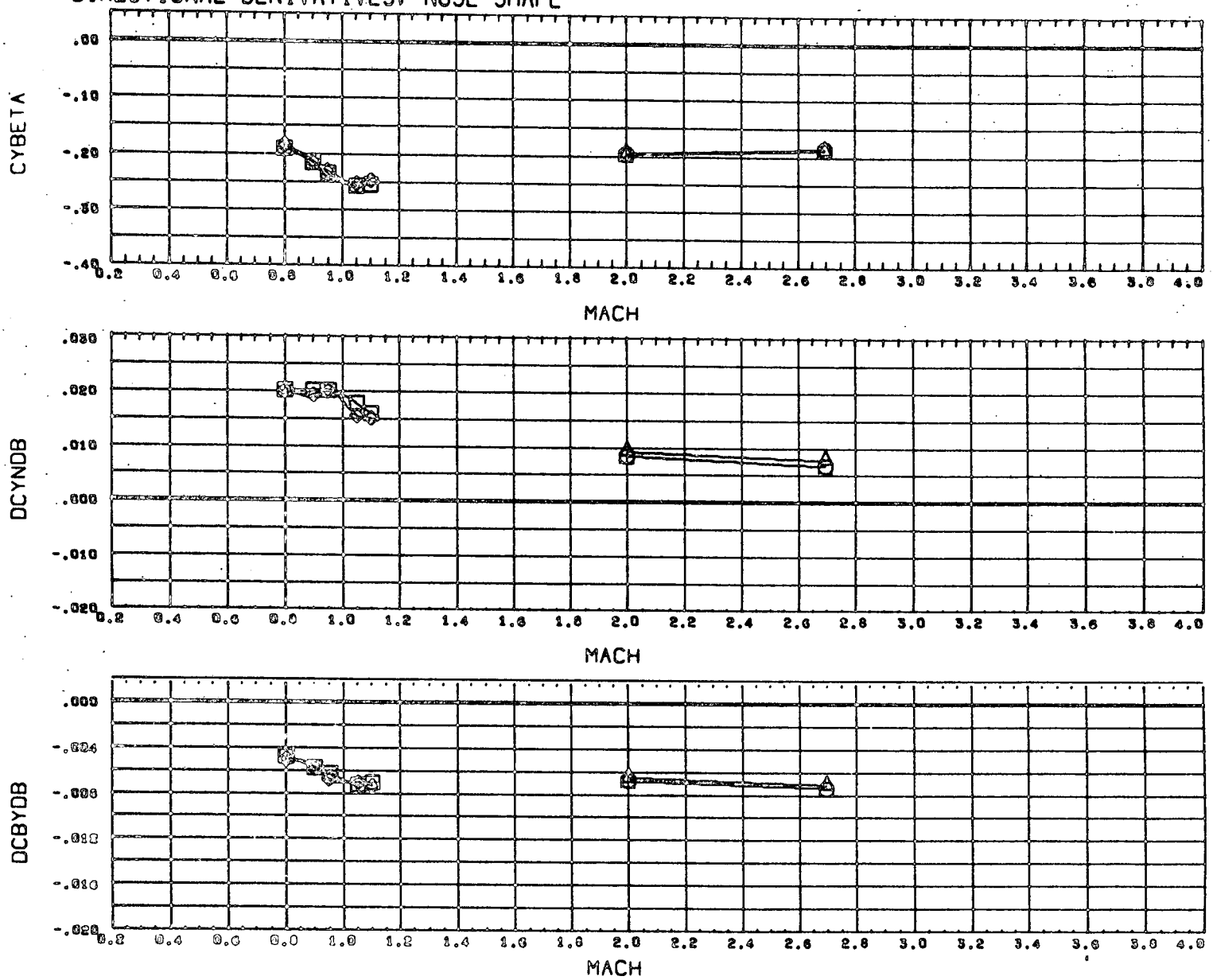


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		ALPHA
(AD4042)	○	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	50.000
(AD4043)	△	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	67.500
(CD4044)	◇	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	70.000
(AD4045)	□	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	77.500
(AD4046)	▽	BTWT 1273/BSWT 553 BRB CONFIGURATION	B1S1V2	85.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

DIRECTIONAL DERIVATIVES, NOSE SHAPE

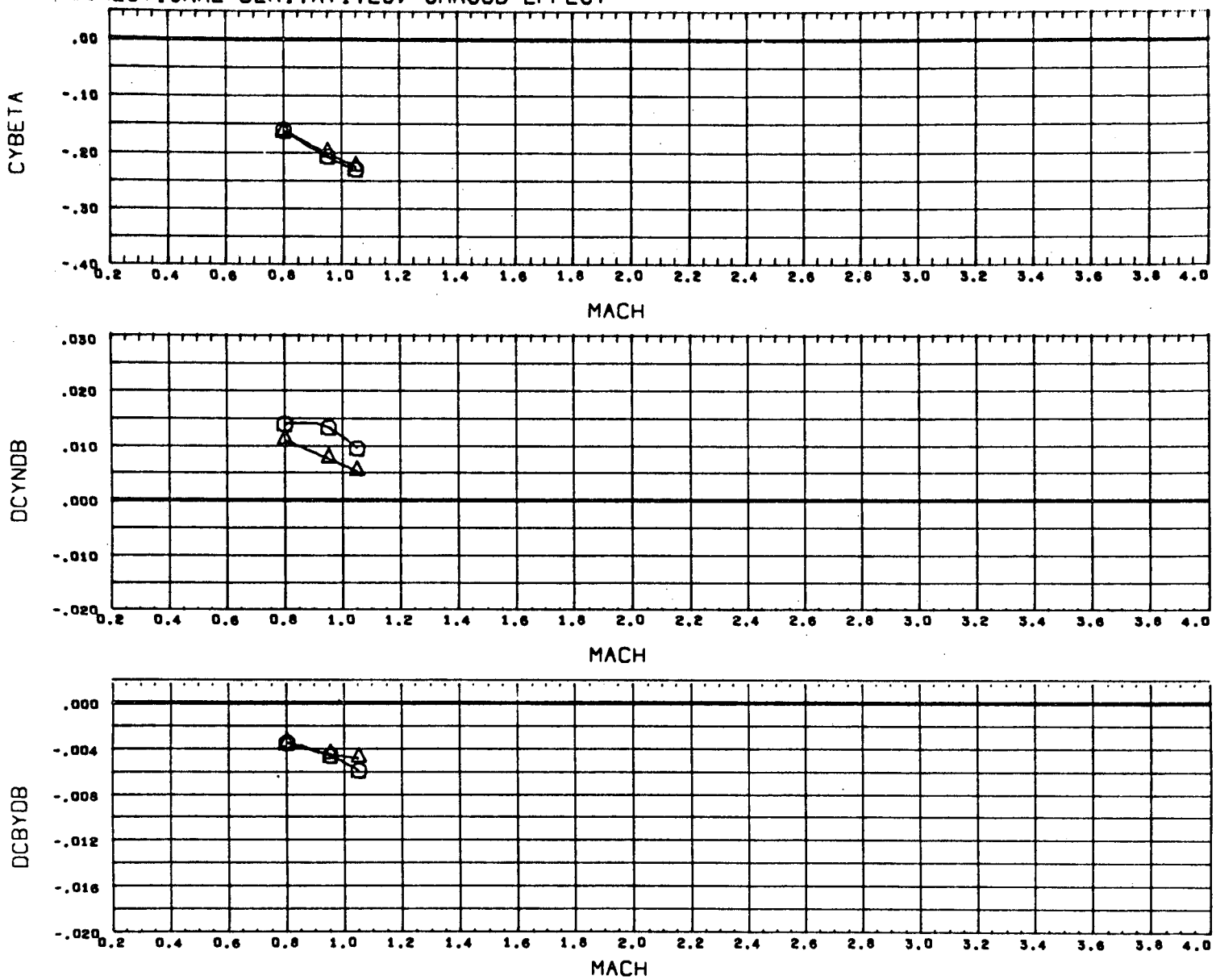


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4033)	○	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	67.500
(AD4033)	△	BTWT 1273/BSWT 993	BRB CONFIGURATION	B2S1V1	67.500
(CD4034)	◇	BTWT 1273/BSWT 993	BRB CONFIGURATION	B1S1V1	70.000
(AD4034)	□	BTWT 1273/BSWT 993	BRB CONFIGURATION	B2S1V1	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8899	PERCNT

DIRECTIONAL DERIVATIVES, SHROUD EFFECT



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			ALPHA
(BD4044)	○	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1S1V2	70.000
(BD4064)	△	BTWT 1273/BSWT 553	BRB CONFIGURATION	B1V2	70.000

REFERENCE INFORMATION

SREF	9.7500	SQ.IN.
LREF	17.4600	IN.
BREF	17.4600	IN.
XMRP	12.2900	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.8699	PERCNT

C.9.