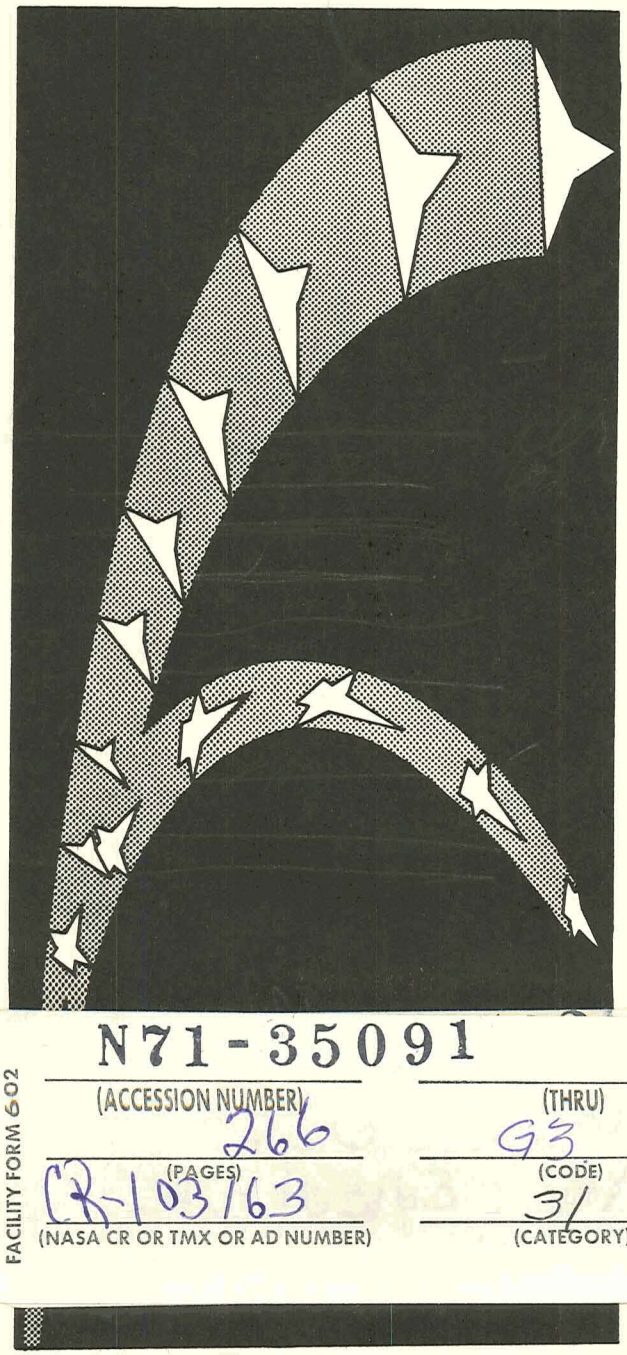
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—SPACE SHUTTLE—

LONGITUDINAL AND LATERAL STABILITY CHARACTERISTICS OF THE MDC STS HIGH CROSS RANGE ORBITER(02)

MCDONNELL DOUGLAS

LOW SPEED

WIND TUNNEL TEST RESULTS

DATA REPORT

DECEMBER, 1970

CONTRACT NAS8-4016

SCHEDULE II

DRL 184-58

AMENDMENT 130

MARSHALL

SPACE FLIGHT CENTER

SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

SPACE DIVISION CHRYSLER CORPORATION

JUN 1971
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DMS-DR-1040
DECEMBER 1970

SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: MDC STS ORBITER (02), HIGH CROSS RANGE

TEST PURPOSE: INVESTIGATION OF LONGITUDINAL AND LATERAL STABILITY CHARACTERISTICS

TEST FACILITY: MDC MCAIR LSWT

TESTING AGENCY: MC DONNEL DOUGLAS ASTRONAUTICS, EASTERN DIVISION

TEST NO. & DATE: MCAIR LSWT 235: 27 AUG. THROUGH 1 SEPT. 1970

TEST CONDUCTORS: R. E. COLE
M. V. HECKART
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DATA MANAGEMENT SERVICES

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This report has been prepared by Chrysler Corporation Space Division under a Data Management Contract to the NASA. Chrysler assumes no responsibility for the data presented herein other than its display characteristics.

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ABSTRACT

The test of the MDC 4% scale model of the High Cross Range Shuttle Orbiter was conducted at the McDonnell Douglas Low Speed Wind Tunnel from August 27, 1970 through September 1, 1970. This test was conducted to describe the basic longitudinal, lateral and directional stability aerodynamic characteristics for an angle-of-attack range from -10 to +20 degrees with sideslip angles of -3, 0, 3 and 6 degrees. Control surface effectiveness was obtained for elevon deflections of -15 and -30 degrees and rudder deflection combinations from -25 to +20 degrees. Tunnel conditions for the test were at dynamic pressures of 40, 90 and 100 psf and Reynolds numbers per foot of 1.2, 1.6 and 1.7 x 10^6, respectively.

TEST CONDITIONS
TEST MCAIR LSWT 235

MACH NUMBER	REYNOLDS NUMBER per unit length	DYNAMIC PRESSURE (pounds/sq. ~~inch~~ FOOT)	STAGNATION TEMPERATURE (degrees Fahrenheit)
.17	1.2×10^6	40	
.25	1.6×10^6	90	
.27	1.7×10^6	100	

BALANCE UTILIZED: LSWT MAIN PYRAMIDIAL

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
LIFT ~~NF~~	± 3000 lbs.	± 3.0 lbs.	
SF	± 1500 lbs.	± 1.5 lbs.	
DRAG ~~AF~~	± 750 lbs.	± .75 lbs.	
PM	± 1500 ft-lb.	± 1.5 ~~ft~~-lbs	
YM	± 750 ft.-lb.	± .75 ft. lbs.	
RM	± 1500 ft.-lb	± 1.5 ft. - lbs.	

COMMENTS:

DATA REDUCTION

The dimensional data utilized to reduce the measured data to coefficient form are listed and defined below:

S_{ref} = Wing W1 planform area = 9.58 ft^2 (1397.87 in^2)

l_{ref} = Wing W1 mean aerodynamic chord = 3.02 ft (36.3 in)

b = Wing W1 equivalent span = 3.54 ft (42.4 in)

The moment reference point (MRP) applicable to the reduced data is 4.221 ft (50.65 in) aft of the body nose, on the model lateral centerline, and 0.667 ft (8 in) above the bottom of the model at water line equal 8 inches. The base drag force (CDB) is based on an average of the measured model base pressures.

CONFIGURATIONS INVESTIGATED

CONFIGURATION NOMENCLATURE

B1 - MDC/ED Delta wing orbiter.

W1 - Double delta wing with inboard (EN1) and outboard (EN2) elevons (tested deflections were 0, -15 and -30°).

W2 - Modified double delta (see description on component dimension page).

V1 - Wing tip vertical.

V2 - Modified VI (see figure 10).

R1 - Rudder, movable surface of V1.

R2 - Modified R1 (see figure 10).

G - Landing gear; G1 - nose, G2 - main.

SB1 - Speed brake.

COMBINATIONS TESTED

B1W1
B1W1V1
B1W2V1
B1W1V2
B1W1V1G
B1W1V1SB1

MODEL COMPONENT: BODY - HCR ORBITER

GENERAL DESCRIPTION: B1

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 4%
Length	1890. IN	75.6 IN
Max. Width, inches	378. IN	15.12 IN
Max. Depth, inches	303 IN	12.12 IN
Fineness Ratio	–	–
Area		
Max. Cross-Sectional	–	–
Planform	–	–
Wetted	–	–
Base	362.5 FT^2	83.5 IN^2

MODEL COMPONENT: WING ~ HCR ORBITER

GENERAL DESCRIPTION: WI

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 4%
TOTAL DATA		
Area		
Planform	5989 FT^2	1379.87 IN^2
Wetted	–	–
Span (equivalent)	1061 IN.	42.4 IN
Aspect Ratio	1.30	1.30
Rate of Taper	–	–
Taper Ratio	.262	.262
Diehedral Angle, degrees	–	–
Incidence Angle, degrees	–	–
Aerodynamic Twist, degrees	–	–
Toe-In Angle	–	–
Cant Angle	–	–
Sweep Back Angles, degrees		
Leading Edge	68°	68°
Trailing Edge	20.5°	20.5°
0.25 Element Line	62.5°	62.5°
Chords:		
Root (Wing Sta. 0.0)	1416 IN.	56.6 IN
Tip, (equivalent)	369.6 IN	14.8 IN
MAC	907.2 IN	36.3 IN
Fus. Sta. of .25 MAC	1306.8 IN	52.3 IN
W.P. of .25 MAC	–	–
Airfoil Section		
Root	–	–
Tip	–	–
EXPOSED DATA		
Area	3253 FT^2	749.5 IN^2
Span, (equivalent)	682.7 IN.	27.3 IN
Aspect Ratio	.995	.995
Taper Ratio	.369	.369
Chords		
Root	1002 IN.	40.1 IN
Tip	369.6 IN.	14.8 IN
MAC	734.9 IN.	29.4 IN
Fus. Sta. of .25 MAC	–	–
W.P. of .25 MAC	–	–

MODEL COMPONENT: AILERON ~ HCR ORBITER

GENERAL DESCRIPTION: E_1

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 4%
Area	255 FT^2	58.75 IN^2
Span (equivalent)	240 IN	9.6 IN
Inb'd equivalent chord	153 IN	6.12 IN
Outb'd equivalent chord	153 IN	6.12 IN
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	—	—
At Outb'd equiv. chord	—	—
Sweep Back Angles, degrees		
Leading Edge	20.5°	20.5°
Tailing Edge	20.5°	20.5°
Hingeline	20.5°	20.5°
Area Moment (Normal to hinge line)	1626 FT^3	179.82 IN^3

MODEL COMPONENT: ELEVATOR ~ HCR ORBITER

GENERAL DESCRIPTION: E_2

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 40%
Area	416.1 FT^2	95.87 IN^2
Span (equivalent)	391.6 IN	15.7 IN
Inb'd equivalent chord	153 IN	6.12 IN
Outb'd equivalent chord	153 IN	6.12 IN
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	—	—
At Outb'd equiv. chord	—	—
Sweep Back Angles, degrees		
Leading Edge	20.5°	20.5°
Tailing Edge	20.5°	20.5°
Hingeline	20.5°	20.5°
Area Moment (Normal to hinge line)	2653 FT^3	293.4 IN^3

MODEL COMPONENT: VERTICAL TAILS ~ HCR ORBITER

GENERAL DESCRIPTION: VI TWO WING TIP MOUNTED VERTICALS
DIMENSIONS INCLUDE RUDDER SURFACES

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 4%
TOTAL DATA		
Area		
Planform	704.3 FT^2	162.27 IN^2
Wetted	—	—
Span (equivalent)	382 IN	15.3 IN.
Aspect Ratio	—	—
Rate of Taper	—	—
Taper Ratio	.484	.484
Diehedral Angle, degrees	—	—
Incidence Angle, degrees	—	—
Aerodynamic Twist, degrees	—	—
Toe-In Angle	5°	5°
Cant Angle	15°	15°
Sweep Back Angles, degrees		
Leading Edge	37°	37°
Trailing Edge	14.3°	14.3°
0.25 Element Line	32°	32°
Chords:		
Root (Wing Sta. 0.0)	360 IN	14.4 IN
Tip, (equivalent)	171 IN	6.8 IN
MAC	276.7 IN	11.1 IN
Fus. Sta. of .25 MAC	1875.5 IN	75.0 IN
W.P. of .25 MAC	—	—
B.L. of .25 MAC	—	—
Airfoil Section		
Root	—	—
Tip	—	—
EXPOSED DATA N/A		
Area	—	—
Span, (equivalent)	—	—
Aspect Ratio	—	—
Taper Ratio	—	—
Chords		
Root	—	—
Tip	—	—
MAC	—	—
Fus. Sta. of .25 MAC	—	—
W.P. of .25 MAC	—	—
B.L. of .25 MAC	—	—

MODEL COMPONENT: RUDDER ~ HCR ORBITER

GENERAL DESCRIPTION: R1

DRAWING NUMBER: _____

DIMENSIONS:	FULL-SCALE	MODEL SCALE 4%
Area	294.5 FT^2	67.85 IN^2
Span (equivalent)	382 IN.	15.3 IN
Inb'd equivalent chord	150.5 IN.	6.0 IN
Outb'd equivalent chord	71.5 IN.	2.86 IN
Ratio MOVABLE SURFACE CHORD/ TOTAL SURFACE CHORD		
At Inb'd equiv. chord	.418	.418
At Outb'd equiv. chord	.418	.418
Sweep Back Angles, degrees		
Leading Edge	25°	25°
Tailing Edge	14.3°	14.3°
Hingeline	25°	25°
Area Moment (Normal to hinge line)	1362 FT^3	150.6 IN^3

TEST MCAIR LSWT 235 DATA SET COLLATION SHEET

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTIONS $\delta_{a_{LI}}$	$\delta_{a_{LO}}$	$\delta_{a_{RI}}$	$\delta_{a_{RO}}$	$\delta_{R_{L/R}}$	NO. OF RUN	Q(PSF) 40	90	100									
RCBD10	B1W1	A/B	0	0	0	0	0	—	1	25											
11	B1W1	A/B	3	0	0	0	0	—	1	26											
20	B1W1V1	A	0	0	0	0	0	0	2	10		2									
21	B1W1V1	A/B	3	0	0	0	0	0	2	19		3									
23	B1W1V1	A/B	6	0	0	0	0	0	2	20		4									
50	B1W2V1	A	0	0	0	0	0	0	1	16											
60	B1W1V1G	A	0	0	0	0	0	0	1			11									
70	B1W1V1SB1	A	0	0	0	0	0	0	1			12									
22	B1W1V1	A	0	-30	-30	-30	-30	0	1			5									
33	B1W1V1	A	0	-15	-15	-15	-15	0	1			7									
25	B1W1V1	A	0	0	0	-30	-30	0	1			6									
27	B1W1V1	A/B	0	0	0	0	0	0	1	18											
24	B1W1V1	A	0	0	0	0	0	20/20	1			8									
26	B1W1V1	A	0	0	0	0	0	0/10	1			9									
28	B1W1V1	A	0	0	0	0	0	-25/20	2	21	29										
29	B1W1V1	A/B	3	0	0	0	0	-25/20	1	22											
30	B1W1V1	A/B	-3	0	0	0	0	-25/20	1	23											
32	B1W1V1	A	0	0	0	0	0	0/20	1	17											
31	B1W1V1	A	0	-30	-30	-30	-30	-25/20	1		28										
34	B1W1V1	A	0	-15	-15	-15	-15	-25/20	1		27										

11

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

C.L. | C.D. | C.L.M | C.Y. | C.L.N | C.S.L. | C.D.B | Q(PSF) | | |

→ IDPVAR(1) | IDPVAR(2) | NDV

COEFFICIENTS:

α or β SCHEDULES

α: A = -10 —Δ2→ 20

B = -8 —Δ4→ 0 —Δ2→ 14 (TUFT PHOTOS ONLY)

TEST MCAIR LSWT 235 DATA SET COLLATION SHEET

☐ PRETEST
☐ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTIONS δLI	δLO	δCI	δRO	δSR/R	NO. OF RUN	Q(PSF) 40	90	100									
RCBD80	BIW1V2	A	0	0	0	0	0	0/10	1	14											

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

C.L IC.D ICLM ICY ICLN ICSL ICDB Q(PSF)

COEFFICIENTS: → IDPVAR(1) | IDPVAR(2) | NDV

α or β SCHEDULES

TEST MCAIR LSWT 235 DATA SET DESCRIPTOR SHEET

DATA SET IDENTIFIER	DATA SET DESCRIPTOR (1 / 11 / 21 / 31 / 41)	Mode Type	CURVE SLOPE RANGE 51 LOWER LIMIT	61 UPPER LIMIT
RCBD 10	M,C,A,I,R, ,L,S,W,T, ,2,3,5, M,D,C, ,5,T,S, ,$,R,B,(,0,2,) B,1,W,1 T,U,F,T,S,	1,1		
11	T,U,F,T,S,			
20	B,1,W,1,V,1,			
21	T,U,F,T,S,			
23	T,U,F,T,S,			
50				
60	B,1,W,1,V,1,G,			
70	B,1,W,1,V,1,S,B,1			
22	B,1,W,1,V,1			
33				13
25				
27	T,U,F,T,S,			
24				
26				
28				
29	T,U,F,T,S,			
30	T,U,F,T,S,			
32				
31				
34				

1 SREF(1)	11 SREF(2)	21 LREF(1)	31 LREF(2)	41 BREF(1)	51 BREF(2)	61 XMRP(1)	71 XMRP(2)
9.58	58. F.T.	13.02	F.T.	13.54	F.T.	14.221	F.T.

YMRP(1)	YMRP(2)	ZMRP(1)	ZMRP(2)	SCALE(1)	SCALE(2)	FILREF
0.0	F.T.	10.667	F.T.	4.0	PERCENT	STS 033000

TEST _____ DATA SET DESCRIPTOR SHEET

DATA SET IDENTIFIER	DATA SET DESCRIPTOR (1 / 11 / 21 / 31 / 41)	Mode Type	CURVE SLOPE RANGE (51) LOWER LIMIT	(61) UPPER LIMIT
RCBD80	M,C,A,I,R, ,L,S,W,T, ,2,3,5, ,M,D,C, ,S,T,S, ,D,R,B,(,C,2,), ,B,I,W,I,V,2	1,1		

14

1 SREF(1)	11 SREF(2)	21 LREF(1)	31 LREF(2)	41 BREF(1)	51 BREF(2)	61 XMRP(1)	71 XMRP(2)
9.58	90. F.T.	3.02	F.T.	13.54	F.T.	14.281	F.T.

YMRP(1)	YMRP(2)	ZMRP(1)	ZMRP(2)	SCALE(1)	SCALE(2)	FILREF
0.0	F.T.	10.661	F.T.	14.0	PERCENT	STS 83300

DATA SET PARAMETER NAME SHEET

TEST MCAIR LSWT 235 SHEET 1 OF 2.

DATA SET IDENTIFIER	PARAMETER NAMES (Format 10A6) 1 7 13 19 25 31 37 43 49 55 61	NPRA
RCBD 10	BETA, ELEVTRAIL RØN	3
11		
20	RUDDER RUDDFL	5
21		
23		
50		
60		
70		
22		
33		
25		
27		
24		
26		
28		
29		
30		
32		
31		
34		

DATA SET PARAMETER NAME SHEET

TEST MAIN LIFT F35

SHEET 2 OF 2

DATA SET IDENTIFIER	PARAMETER NAMES (Format 10A6) 1 7 13 19 25 31 37 43 49 55	NPRA 61
RCBD8	BETA ELEVTRAILEDGRUDDEFL	5

DATA SET PARAMETER VALUE SHEET

TEST MCAIR LSWT 235

DATA SET IDENTIFIER	PARAMETER VALUE (Format 10F8.3) 1	9	17	25	33	41	49	51	65	73
RCBD 10	0.0	0.0	0.0							
11	3.0									
20	0.0			0.0	0.0					
21	3.0									
23	6.0									
50	0.0									
60										
70										
22		-30.0								
33		-1.5.0								
25		-1.5.0	1.5.0							
27		0.0	0.0							
24				20.0						
26				5.0	-5.0					
28				-2.5	-22.5					
29	3.0				-22.5					
30	-3.0				-22.5					
32	0.0			10.0	-10.0					
31		-30.0		-2.5	-22.5					
34		-1.5.0		-2.5	-22.5					

DATA SET PARAMETER VALUE SHEET

TEST MCAIR LSWT #35

SHEET 2 OF 2

DATA SET IDENTIFIER	PARAMETER VALUE (Format 10F8.3) 1 9 17 25 33 41 49 51 65 73
RCWD30	0.0 0.0 0.0 5.0 -5.0

TEST FACILITY DESCRIPTION

The McDonnell Low Speed Wind Tunnel is a closed circuit, single return, atmospheric tunnel with a test section $8\frac{1}{2}$ feet high, 12 feet wide, and 18 feet long. It is capable of a maximum continuous velocity of 240 mph with a clear test section.

The tunnel circuit is 412.6 feet long and consists of two 164-foot legs and two 42.3-foot legs. The entrance cone contraction ratio is 7.35 to 1 and the total diffuser angle is 7.5°. Cooling is accomplished by a spray system passing water over the outside tunnel shell.

The main drive motor, housed in a nacelle 30 feet downstream of the third leg of the circuit, is a Westinghouse 1750 hp rheostat for coarse rpm control and a dynamic brake, coupled to the motor shaft, for fine rpm control. The four-bladed fan is 20 feet in diameter.

NOMENCLATURE

SYMBOL	SADSAC SYMBOL	DEFINITION
A_b		base area; m^2, ft^2, in^2
a		speed of sound; m/sec, ft/sec
AR	ASPECT	aspect ratio, b^2/S
b	REFB	wing span or reference span; m, ft, in
c		wing chord; m, ft, in
$\bar{c}$		wing mean aerodynamic chord or reference chord; m, ft, in (see ℓ_{ref} or refl)
c.g.		center of gravity
C.P.		center of pressure
C_A	CA	axial force coefficient, F_A/qS_{ref}
C_{A_b}	CAB	base axial force coefficient, $[(p_\infty - p_b)/q]$ (A_b/S_{ref})
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_D	CDTOTL	drag force coefficient in the wind axis system, $F_D/q\,S_{ref}$

NOMENCLATURE (continued)

SYMBOL	SADSAC SYMBOL	DEFINITION
C'_D	CD	drag force coefficient in the stability axis system, $F'_D/q\,S_{ref}$
C_L	CL	lift force coefficient (stability or wind axis) $F_L/q\,S_{ref}$
C_ℓ	CBL	rolling moment coefficient in body axis system, $M_x/q\,S_{ref}\,b$
$C_{\ell,s}$	CSL	rolling moment coefficient in the stability axis system, $M_{x,s}/q\,S_{ref}\,b$
$C_{\ell,w}$	CWL	rolling moment coefficient in the wind axis system, $M_{x,w}/q\,S_{ref}\,b$
C_m	CLM	pitching moment coefficient in the body axis system, $M_y/q\,S_{ref}\,\ell_{ref}$
$C_{m,s}$	CLM	pitching moment coefficient in the stability axis system, $C_{m,s} = C_m$
$C_{m,w}$	CPM	pitching moment coefficient in the wind axis system, $M_{y,w}/q\,S_{ref}\,\ell_{ref}$
C_N	CN	normal force coefficient in the body axis system, $F_N/q\,S_{ref}$

SYMBOL	SADSAC SYMBOL	DEFINITION
C_n	CYN	yawing moment coefficient in the body axis system, $M_z/q\,S_{ref}\,b$
$C_{n,s}$	CLN	yawing moment coefficient in the stability axis system, $C_{n,s} = C_n$
$C_{n,w}$	CLN	yawing moment coefficient in the wind axis system, $M_{z,w}/q\,S_{ref}\,b$
C_p	CP	pressure coefficient, $(p-p_\infty)/q$
C_y	CY	side force coefficient (body or stability axis system), $F_y/q\,S_{ref}$
C_c	CC	side force coefficient (wind axis system), $F_y/q\,S_{ref}$
F_A		axial force; N, lb
F_D		drag force in wind axis system; N, lb
F'_D		drag force in the stability axis system; N, lb
F_L		lift force (stability or wind axis system); N, lb
F_N		normal force; N, lb

NOMENCLATURE (continued)

SYMBOL	SADSAC SYMBOL	DEFINITION
F_Y		side force; N, lb
	N/A	normal to axial force ratio
ℓ_{ref}	REFL	reference length; m, ft, in (see $\bar{c}$)
L/D	L/D	lift-to-drag ratio, C_L/C_D (stability axis system)
L/D	CL/CD	lift-to-drag ratio, C_L/C_D (wind axis system)
M	MACH	Mach number
MRP	MRP	abbreviation for moment reference point
	XMRP	abbreviation for moment reference point on x-axis
	YMRP	abbreviation for moment reference point on y-axis
	ZMRP	abbreviation for moment reference point on z-axis
M_x		rolling moment in the body axis system; N-m, ft-lb
$M_{x,s}$		rolling moment in the stability axis system; N-m, ft-lb

NOMENCLATURE (continued)

SYMBOL	SADSAC SYMBOL	DEFINITION
$M_{x,w}$		rolling moment in the wind axis system; N-m, ft-lb
M_y		pitching moment in the body (or stability) axis system; N-m, ft-lb
$M_{y,w}$		pitching moment in the wind axis system; N-m, ft-lb
M_z		yawing moment in the body axis system; N-m, ft-lb
$M_{z,w}$		yawing moment in the wind axis system; N-m, ft-lb
p		static pressure; N/m^2; psi
P		total pressure; N/m^2; psi
q	Q(PSI) Q(PSF)	dynamic pressure; N/m^2, psi, psf
RN/L	RN/L	Reynold's number per unit length; million/ft.
S		wing area; m^2, ft^2
S_{ref}	REFS	reference area; m^2, ft^2
T		temperature; °K, °C, °R, °F
V		speed of vehicle relative to surrounding atmosphere; m/sec, ft/sec

NOMENCLATURE (continued)

SYMBOL	SADSAC SYMBOL	DEFINITION
i_T		tail incidence positive when trailing edge down, deg
$\bar{V}$		velocity of vehicle relative to surrounding atmosphere; m/sec, ft/sec
α	ALPHA	angle of attack, angle between the projection of the wind X_W-axis on the body X, Z-plane and the body X-axis; deg
β	BETA	sideslip angle, angle between the wind X_W-axis and the projection of this axis on the body X-Z-plane; deg
γ		ratio of specific heats
Γ	DIHDRL	wing dihedral angle; deg
δ		control surface deflection angle; deg positive deflections are:
	AILRON	aileron - left aileron trailing edge down
	ELVATR	elevator - trailing edge down
	RUDDER	rudder - trailing edge to the left
	FLAP	flap - trailing edge down
	TAB	tab - trailing edge down with respect to control surface
ρ		air density; K_g/m^3, slugs/ft^3

NOMENCLATURE (continued)

SYMBOL	SADSAC SYMBOL	DEFINITION
θ		pitch angle, angle of rotation about the body Y-axis, positive when the positive Z-axis is rotated toward the positive X-axis; deg
ϕ	PHI	roll angle, angle of rotation about the body X-axis, positive when the positive Y-axis is rotated toward the positive Z-axis; deg
ψ	PSI	yaw angle, angle of rotation about the body Z-axis, positive when the positive X-axis is rotated toward the positive Y-axis; deg

SUBSCRIPTS	DEFINITION
a	aileron
b	base
c	canard
e	elevator or elevon
f	flap
r	rudder or ruddervator
s	stability axis system
t	tail, or total conditions
w	wind axis system
ref	reference conditions
∞	freestream condition

TABLE AND FIGURES

TABLE 1. MCAIR LSWT 235 CONTROL DEFLECTIONS

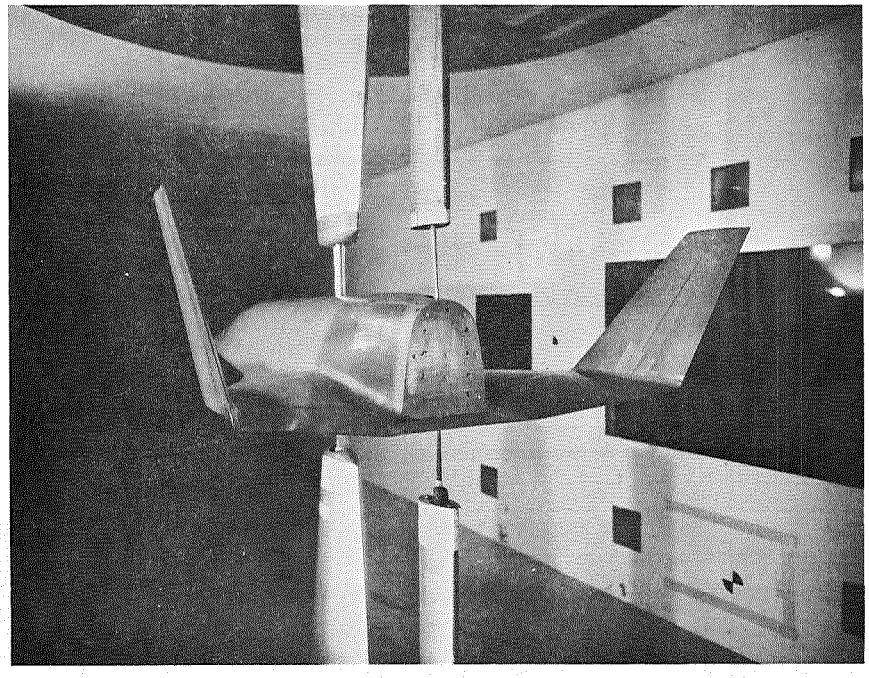
DATA SET IDENTIFIER	INDIVIDUAL CONTROL SURFACE DEFLECTIONS AS ENTERED ON THE COLLATION SHEETS (DEGREES)						CONTROL SURFACE DEFLECTIONS APPLICABLE TO VEHICLE EFFECTS (ENTERED AS PARAMATER NAMES AND VALUES IN THE DATA DECK)			
	ELEVON DEFLECTIONS				RUDDER DEFLECTIONS					
	LEFT WING δ_{EL}		RIGHT WING δ_{ER}							
	INBOARD δ_{eLI}	OUTBOARD δ_{eLO}	INBOARD δ_{eRI}	OUTBOARD δ_{eRO}	LEFT δ_{RL}	RIGHT δ_{RR}	ELEVTR δ_E	AILRON δ_A	RUDDER δ_R	RUDDFL δ_{RF}
RCBD 20	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	20	20	0	0	20	0
26	0	0	0	0	0	10	0	0	5	-5
28	0	0	0	0	-25	20	0	0	-2.5	-22.5
22	-30	-30	-30	-30	0	0	-30	0	0	0
33	-15	-15	-15	-15	0	0	-15	0	0	0
25	0	0	-30	-30	0	0	-15	15	0	0
31	-30	-30	-30	-30	-25	20	-30	0	-2,5	-22,5
32	0	0	0	0	0	20	0	0	10	-10
34	-15	-15	-15	-15	-25	20	-15	0	-2.5	-22.5

δ_E = ELEVTR = $(\delta_{EL} + \delta_{ER})/2$ = ELEVATOR DEFLECTION ANGLE

δ_A = AILRON = $(\delta_{EL} - \delta_{ER})/2$ = AILERON DEFLECTION ANGLE

δ_R = RUDDER = $(\delta_{RL} + \delta_{RR})/2$ = RUDDER DEFLECTION ANGLE

δ_{RF} = RUDDFL = $(\delta_{RL} - \delta_{RR})/2$ = RUDDER FLARE ANGLE



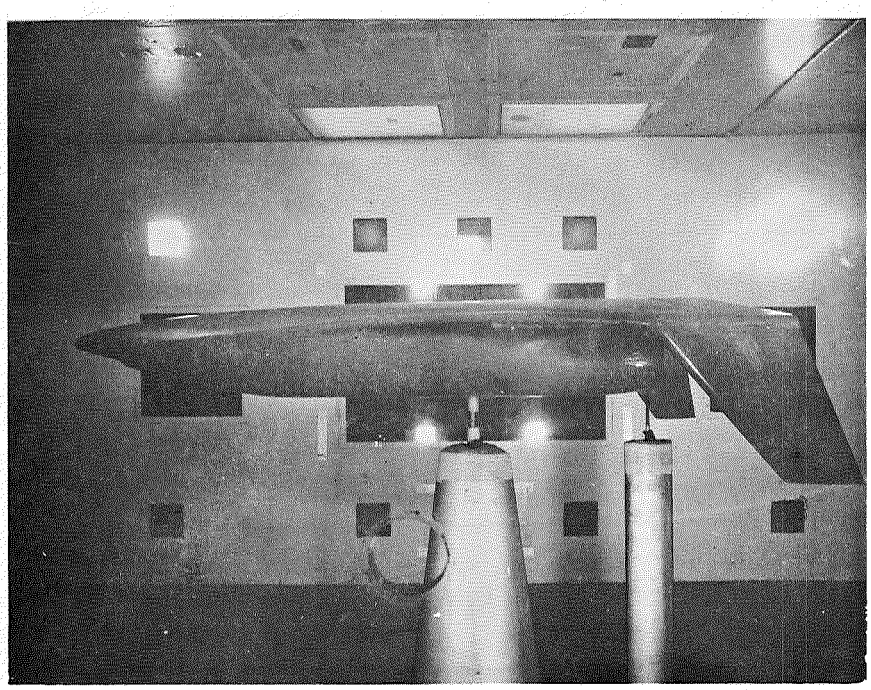


FIGURE 1 $B_1W_1V_1$ - COMPLETE CONFIGURATION GENERAL ARRANGEMENT

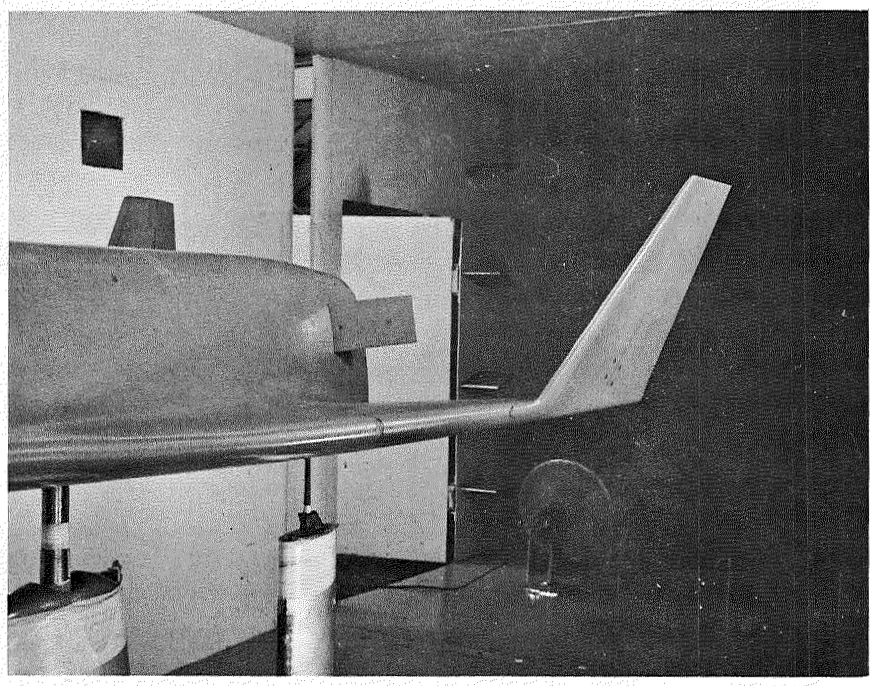


FIGURE 2 $B_1W_1V_1SB_1$ - BODY SPEED BRAKE DEFLECTED 60 DEGREES (RUN 12)

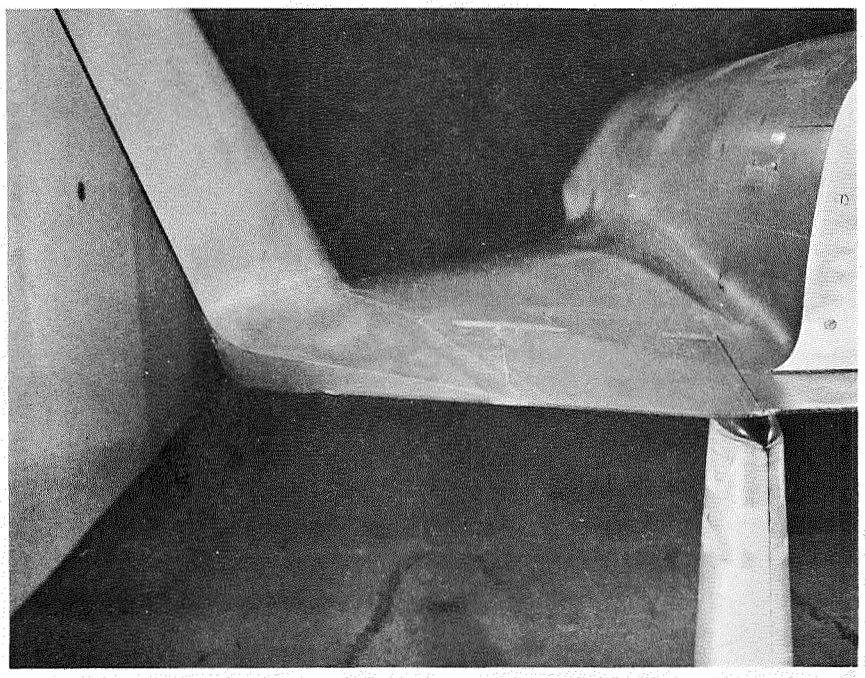


FIGURE 3 $B_1W_2V_1$ - CLAY ADDED TO OUTBOARD WING PANELS TO MODIFY SPANWISE TWIST (RUN 16)

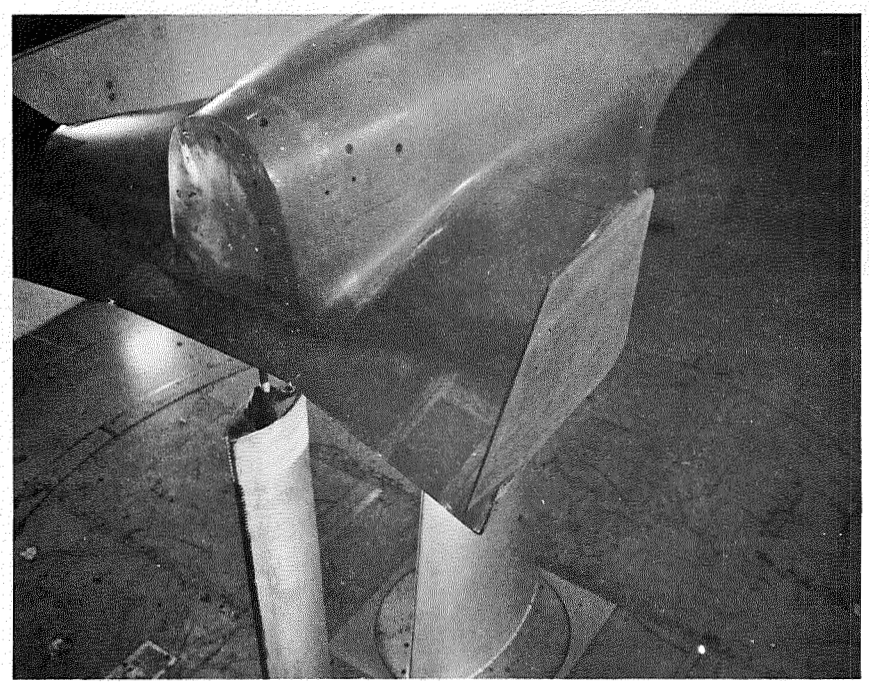
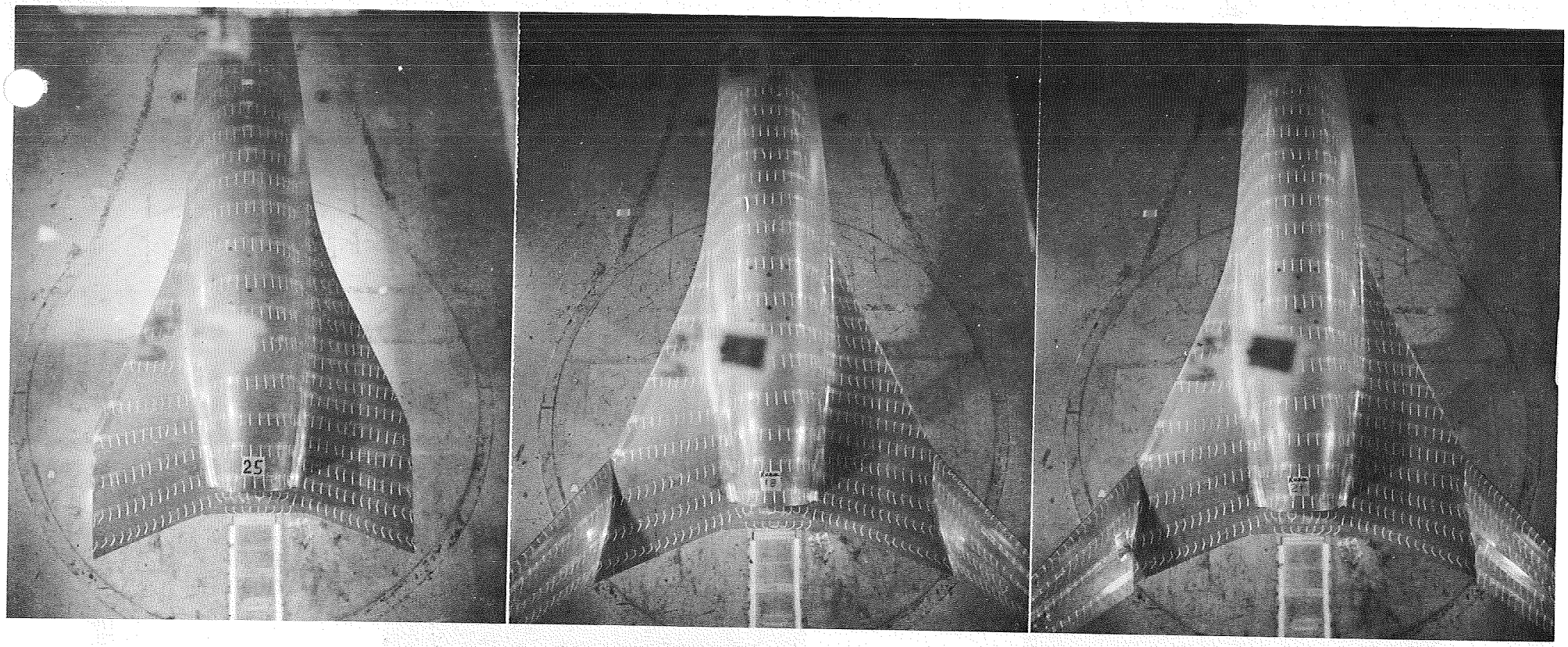


FIGURE 4 $B_1W_1V_2$ - CLAY ADDED TO R.H. FIN TO REDUCE POSITIVE CAMBER OF FIN, δ_R = 10° INBOARD (RUN 14)



5(a) B_1W_1 (Run 25)

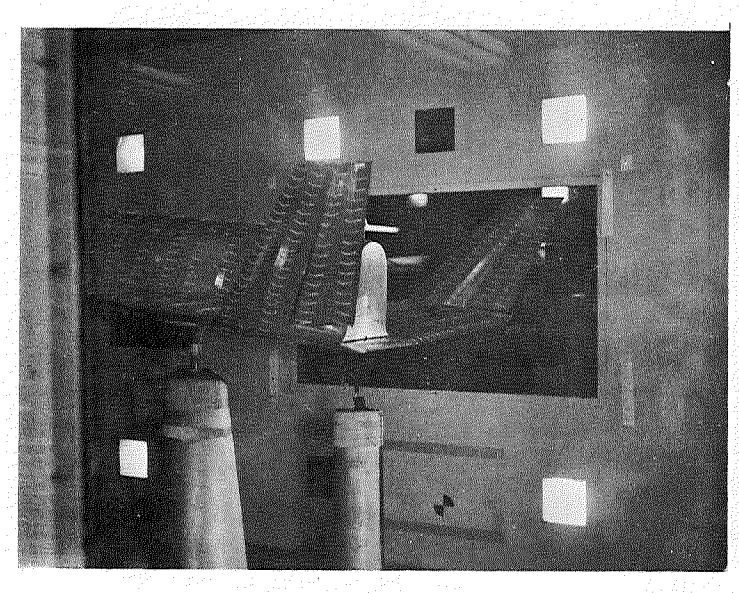
5(b) $B_1W_1V_1$
Fins Induce Spanwise
Flow on Wing When
Fins are Stalled (Run 18)

5(c) $B_1W_1V_1$
Inboard Rudder Deflection
Delays Fin Stall (Run 21)

FIGURE 5 PLANVIEW OF FLOW VISUALIZATION TUFTS, α = 6°



6(a) $B_1W_1V_1$
0° Rudder Deflection (Run 18)



6(b) $B_1W_1V_1$
Inboard Rudder Deflection
Delays Fin Stall (Run 21)

FIGURE 6 ELEVATION VIEW OF FIN FLOW VISUALIZATION TUFTS, $\alpha = 6°$

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.

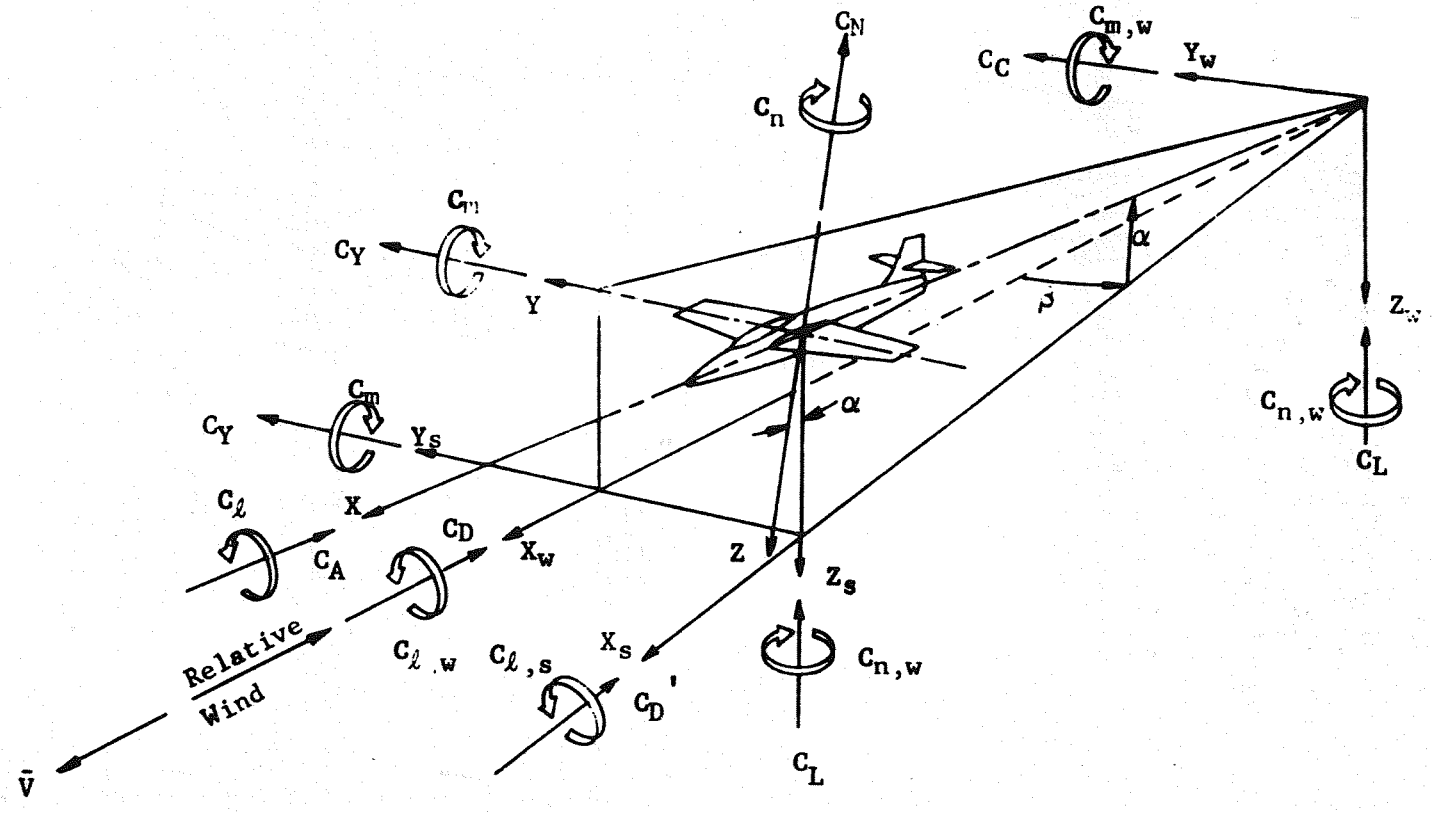
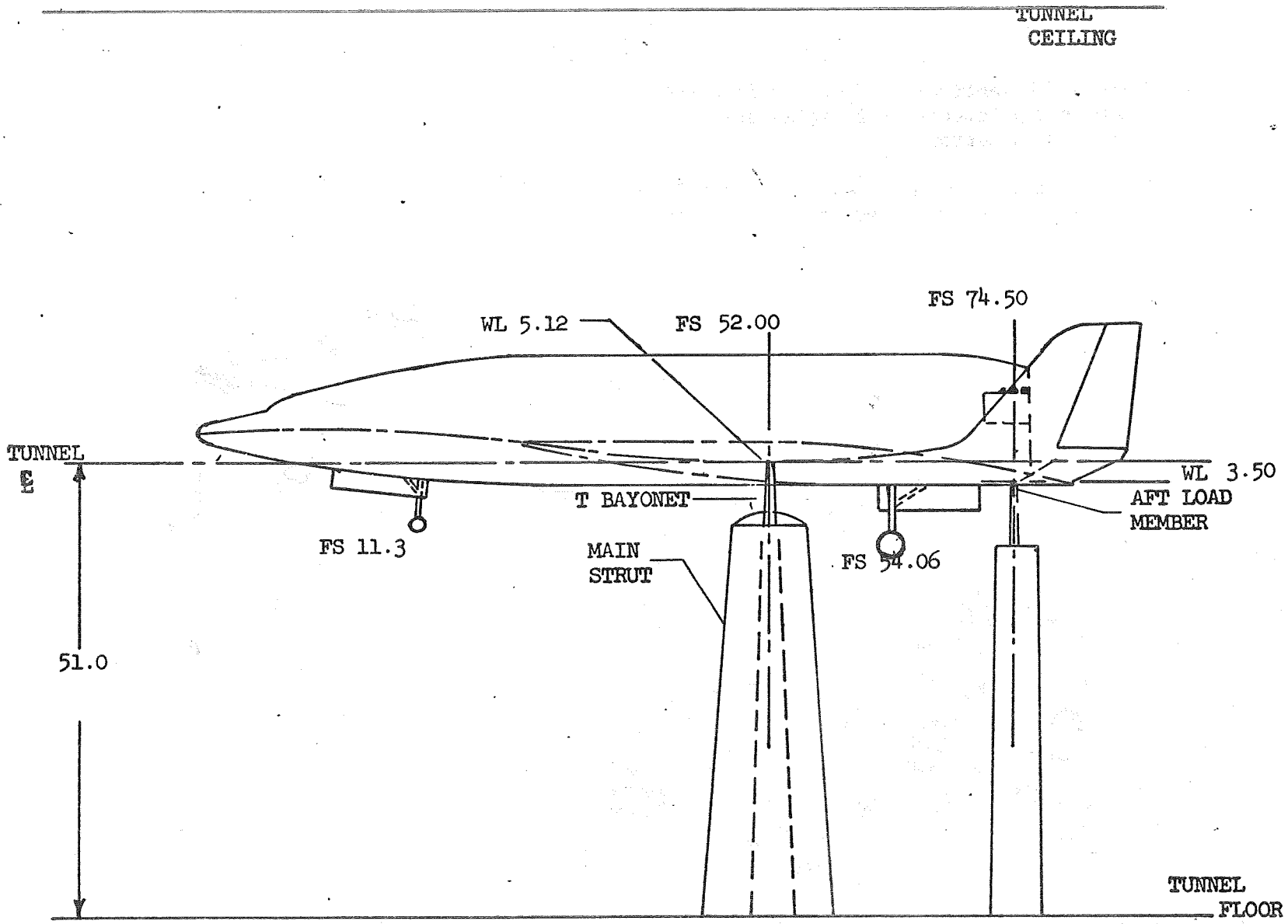


Figure 7. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle



NOTE: All dimensions are inches model scale.

Figure 8. Drawing of Model in Tunnel

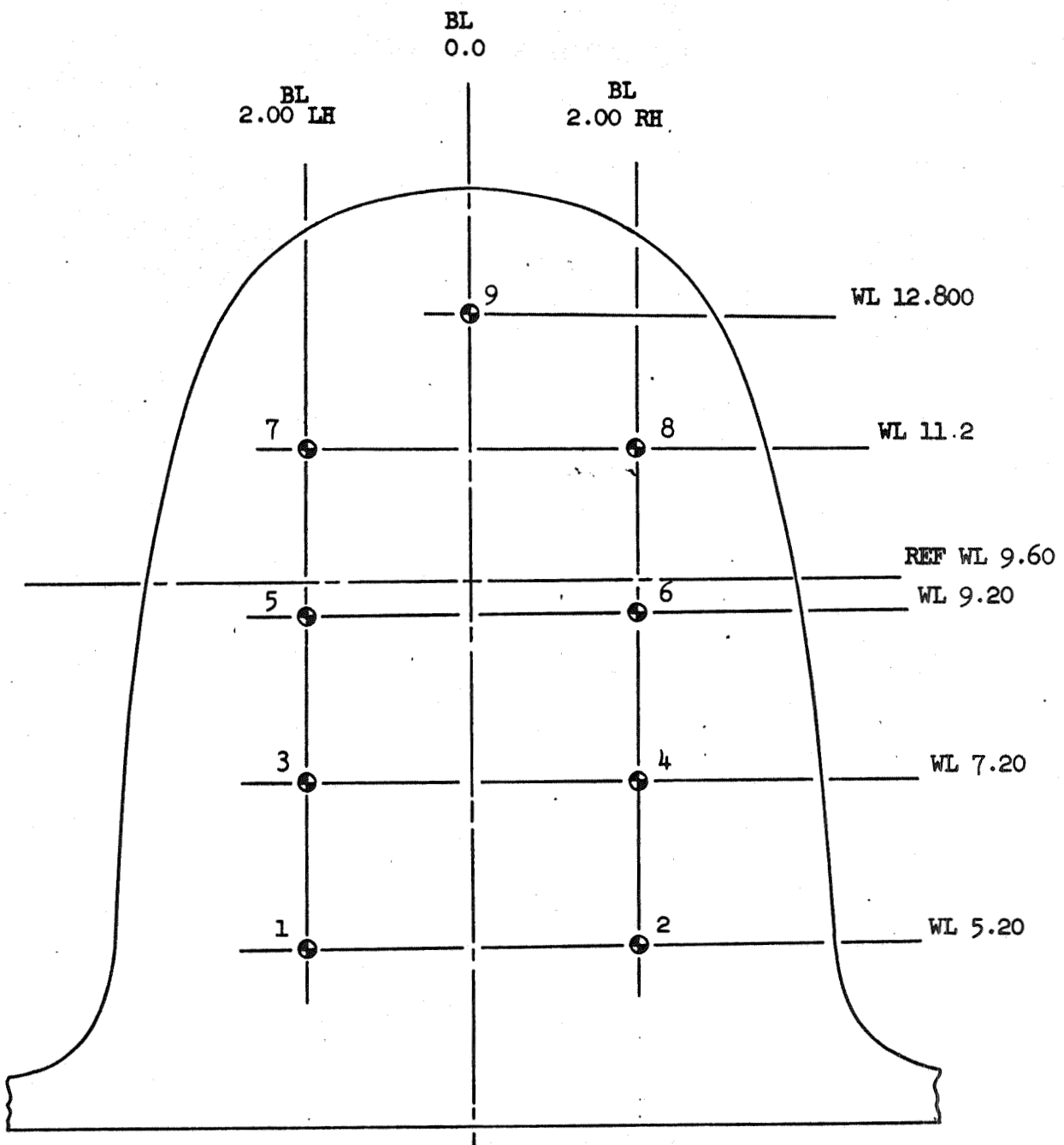
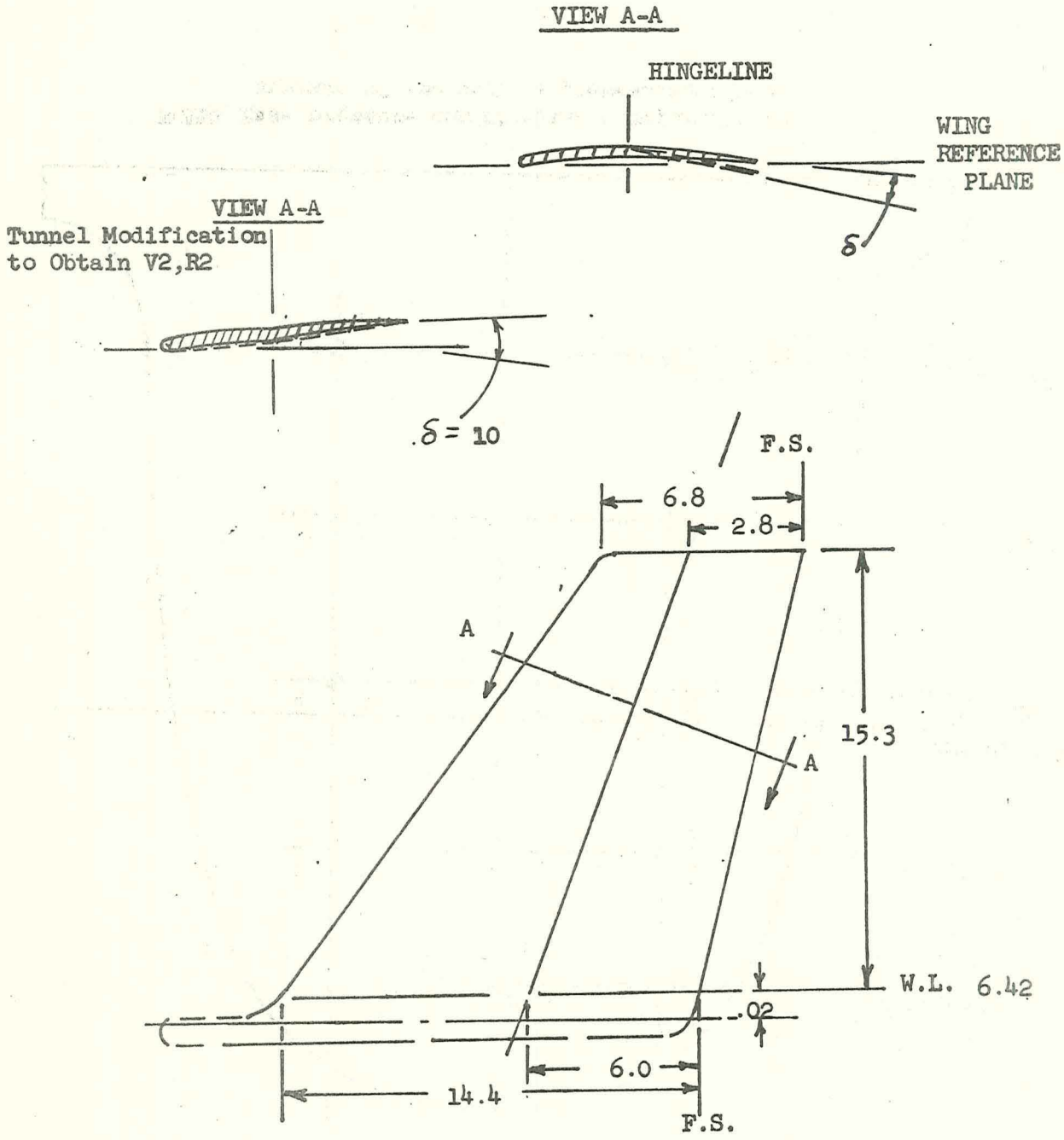


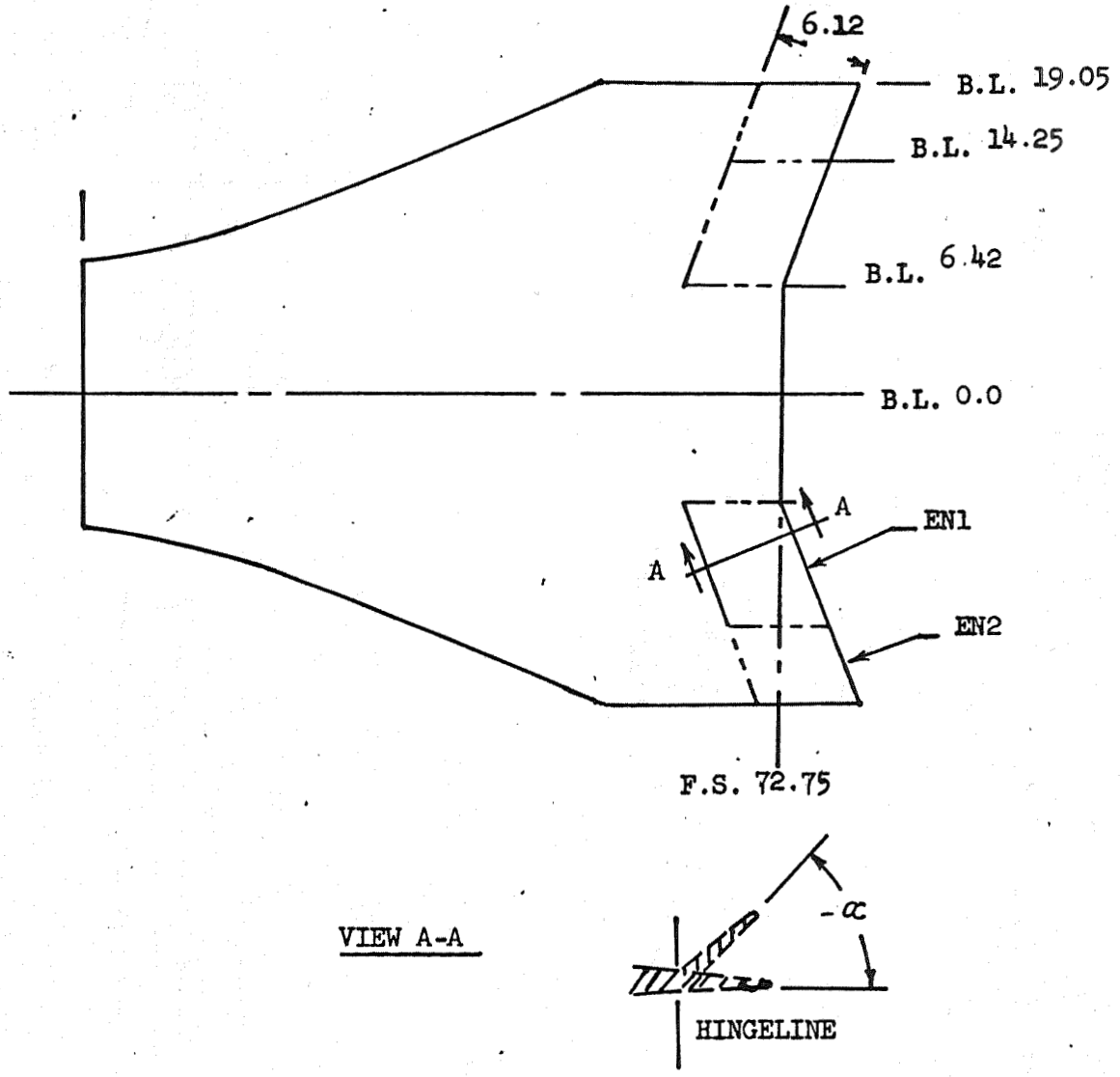
Figure 9. Drawing of Base Pressure Orifice Locations



HIGH CROSS RANGE ORBITER (02)

L.H. VERTICAL (V1), RUDDER (R1)

Figure 10. Drawing of Vertical Fin and Rudder



4% SCALE

HIGH CROSS RANGE ORBITER (02)
WING (W1), ELEVON (EN1,EN2)

Figure 11. Drawing of Wing and Elevons

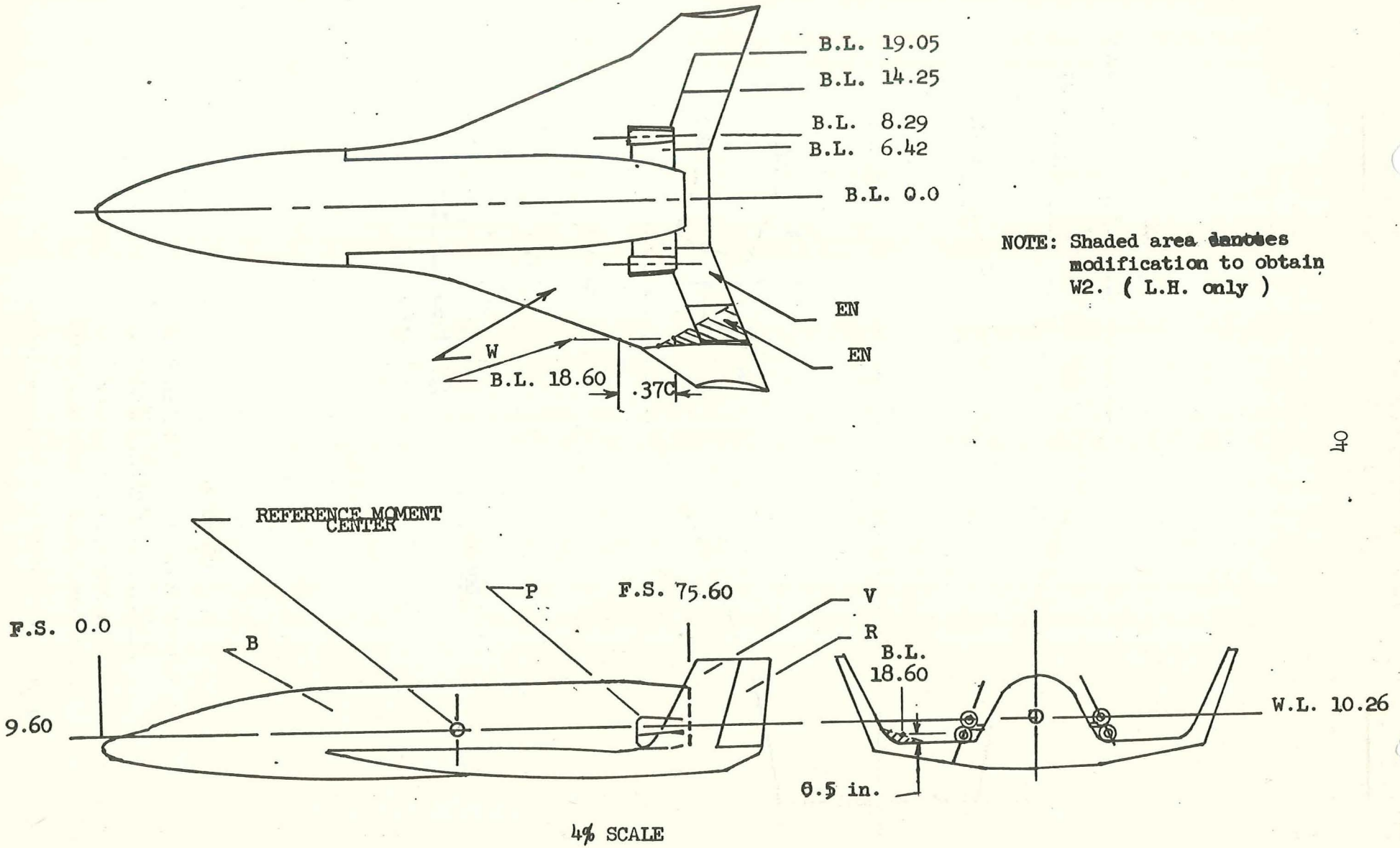


Figure 12. General Assembly High Cross Range Orbiter (02)

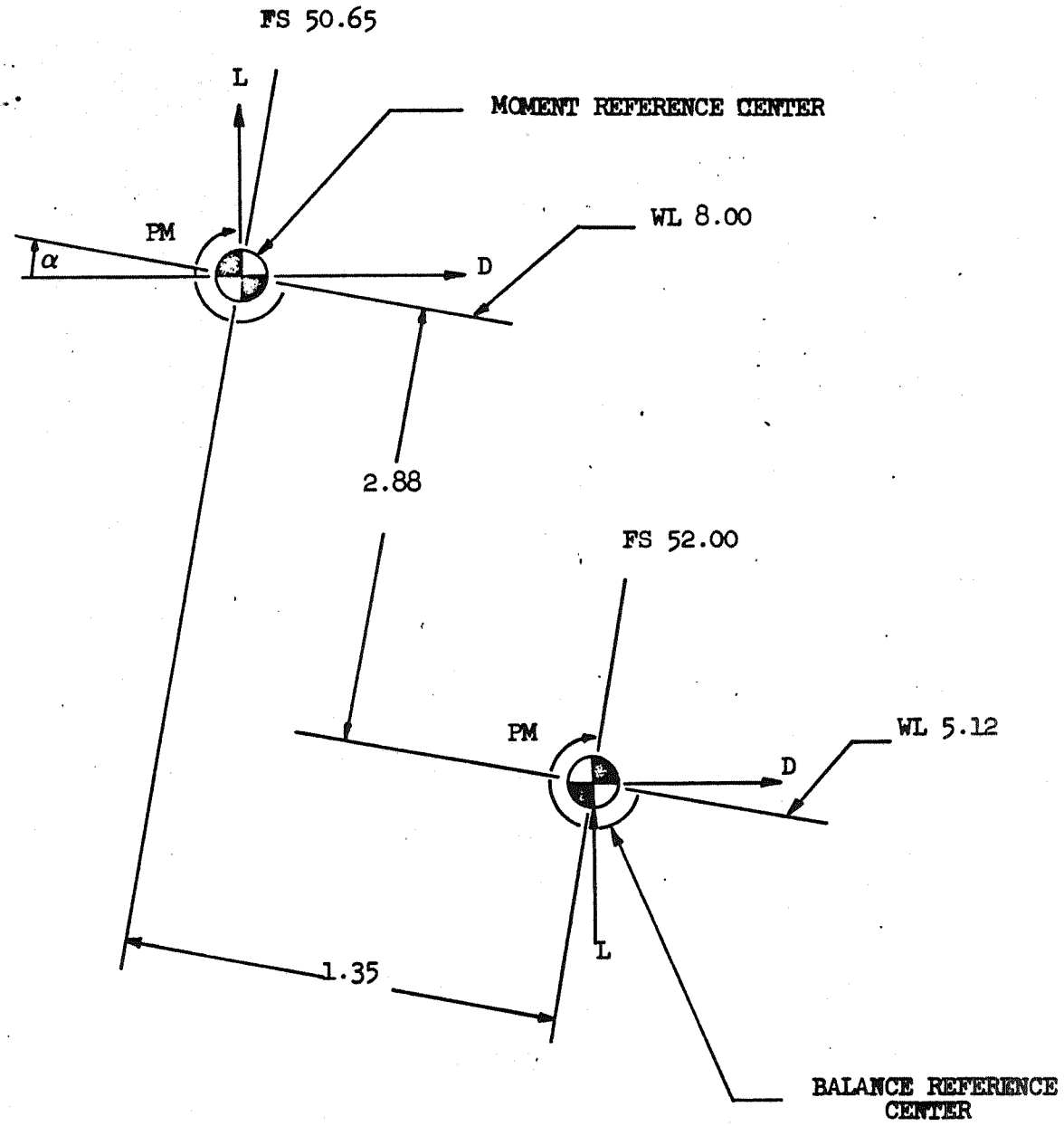


Figure 13. Drawing Applicable to Moment Reference Center and Balance Reference Center

DATA DISPLAY INDEX

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE I FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
CCBD10 DCBD20

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	1	1
CD	ALPHA	2	2
CDB	ALPHA	3	3
CLM	ALPHA	4	4
CLN	ALPHA	5	5
CY	ALPHA	6	6
CSL	ALPHA	7	7
L/D	ALPHA	8	8

DEPENDENT VARIABLE Vs DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
CCBD10 DCBD20

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	9	9
CL	CLM	10	10
CN	CLM	11	11

CONFIGURATION VARIATION(BIMIVI + G.S. ORBI)(SEE TABLE I FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
ECBD20 CCBD60 CCBD70

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	12	12
CD	ALPHA	13	13
CDB	ALPHA	14	14
CLM	ALPHA	15	15
CLN	ALPHA	16	16
CY	ALPHA	17	17
CSL	ALPHA	18	18
L/D	ALPHA	19	19

DEPENDENT VARIABLE Vs DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
ECBD20 CCBD60 CCBD70

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	20	20
CL	CLM	21	21
CN	CLM	22	22

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
DCBD20 CCBD50

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	23	23
CD	ALPHA	24	24
CDB	ALPHA	25	25
CLM	ALPHA	26	26
CLN	ALPHA	27	27
CY	ALPHA	28	28
CSL	ALPHA	29	29
L/D	ALPHA	30	30

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
DCBD20 CCBD50

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	31	31
CL	CLM	32	32
CN	CLM	33	33

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
KCBD22 KCBD33 LCBD20

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	34	34
CD	ALPHA	35	35
CDB	ALPHA	36	36
CLM	ALPHA	37	37
CLN	ALPHA	38	38
CY	ALPHA	39	39
CSL	ALPHA	40	40
L/D	ALPHA	41	41

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
KCBD22 KCBD33 LCBD20

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	42	42
CL	CLM	43	43
CN	CLM	44	44

DEPENDENT VARIABLE VS PARAMETRIC VARIABLE, PARAMETRIC STUDY (FPAPAR)

DATASETS PLOTTED:
KCBD22 KCBD33 LCBD20

DEPENDENT VARIABLE	PARAMETRIC VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ELEVTR	45	48
CD	ELEVTR	49	52
CDB	ELEVTR	53	56
CLM	ELEVTR	57	60
CLN	ELEVTR	61	64
CY	ELEVTR	65	68
CSL	ELEVTR	69	72
L/D	ELEVTR	73	76

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD33	DCN/DE	ALPHA	77	77
ICBD33	CLM/DE	ALPHA	78	78
ICBD33	DCL/DE	ALPHA	79	79

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
KCBD31 KCBD34 LCBD28

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	80	80
CD	ALPHA	81	81
CDB	ALPHA	82	82
CLM	ALPHA	83	83
CLN	ALPHA	84	84
CY	ALPHA	85	85
CSL	ALPHA	86	86
L/D	ALPHA	87	87

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
KCBD31 KCBD34 LCBD28

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	88	88
CL	CLM	89	89
CN	CLM	90	90

DEPENDENT VARIABLE VS PARAMETRIC VARIABLE, PARAMETRIC STUDY (FPAPAR)

DATASETS PLOTTED:
KCBD31 KCBD34 LCBD28

DEPENDENT VARIABLE	PARAMETRIC VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ELEVTR	91	94
CD	ELEVTR	95	98
CDB	ELEVTR	99	102
CLM	ELEVTR	103	106
CLN	ELEVTR	107	110
CY	ELEVTR	111	114
CSL	ELEVTR	115	118
L/D	ELEVTR	119	122

ELEVON EFFECTIVENESS(RUD/FLAP=-20) (SEE TABLE I FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD34	DCN/DE	ALPHA	123	123
ICBD34	CLM/DE	ALPHA	124	124
ICBD34	DCL/DE	ALPHA	125	125

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
CCBD33 CCBD25

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	126	126
CD	ALPHA	127	127
CDB	ALPHA	128	128
CLM	ALPHA	129	129
CLN	ALPHA	130	130
CY	ALPHA	131	131
CSL	ALPHA	132	132
L/D	ALPHA	133	133

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
CCBD33 CCBD25

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	134	134
CL	CLM	135	135
CN	CLM	136	136

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
ECBD20 CCBD24

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	137	137
CD	ALPHA	138	138
CDB	ALPHA	139	139
CLM	ALPHA	140	140
CLN	ALPHA	141	141
CY	ALPHA	142	142
CSL	ALPHA	143	143
L/D	ALPHA	144	144

DEPENDENT VARIABLE vS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
ECBD20 CCBD24

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	145	145
CL	CLM	146	146
CN	CLM	147	147

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD20	CSL/DR	ALPHA	148	148
ICBD20	CLN/DR	ALPHA	149	149
ICBD20	DCY/DR	ALPHA	150	150

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
DCBD28 DCBD20

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	151	151
CD	ALPHA	152	152
CDB	ALPHA	153	153
CLM	ALPHA	154	154
CLN	ALPHA	155	155
CY	ALPHA	156	156
CSL	ALPHA	157	157
L/D	ALPHA	158	158

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
DCBD28 DCBD20

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	159	159
CL	CLM	160	160
CN	CLM	161	161

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD28	CSL/RF	ALPHA	162	162
ICBD28	CLN/RF	ALPHA	163	163
ICBD28	DCY/RE	ALPHA	164	164

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
ECBD20 CCBD26 CCBD24

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	165	165
CD	ALPHA	166	166
CDB	ALPHA	167	167
CLM	ALPHA	168	168
CLN	ALPHA	169	169
CY	ALPHA	170	170
CSL	ALPHA	171	171
L/D	ALPHA	172	172

DEPENDENT VARIABLE Vs DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
ECBD20 CCBD26 CCBD24

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	173	173
CL	CLM	174	174
CN	CLM	175	175

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
DCBD20 CCBD32 DCBD28

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	176	176
CD	ALPHA	177	177
CDB	ALPHA	178	178
CLM	ALPHA	179	179
CLN	ALPHA	180	180
CY	ALPHA	181	181
CSL	ALPHA	182	182
L/D	ALPHA	183	183

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
DCBD20 CcBD32 DCBD28

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	184	184
CL	CLM	185	185
CN	CLM	186	186

SIDESLIP EFFECTS(BIWIVI WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
CCBD20 CCBD21 CCBD23

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	187	188
CD	ALPHA	189	190
CDB	ALPHA	191	192
CLM	ALPHA	193	194
CLN	ALPHA	195	196
CY	ALPHA	197	198
CSL	ALPHA	199	200
L/D	ALPHA	201	202

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
CCBD20 CCBD21 CCBD23

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	203	204
CL	CLM	205	206
CN	CLM	207	208

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
JCBD20	CLN/DB	ALPHA	209	210
JCBD20	CSL/DB	ALPHA	211	212
JCBD20	CYBETA	ALPHA	213	214

SIDESLIP EFFECTS(BIWIVI WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
CCBD30 DCBD28 CCBD29

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	215	215
CD	ALPHA	216	216
CDB	ALPHA	217	217
CLM	ALPHA	218	218
CLN	ALPHA	219	219
CY	ALPHA	220	220
CSL	ALPHA	221	221
L/D	ALPHA	222	222

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
CCBD30 DCBD28 CCBD29

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	223	223
CL	CLM	224	224
CN	CLM	225	225

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD30	CLN/DB	ALPHA	226	226
ICBD30	CSL/DB	ALPHA	227	227
ICBD30	CYBETA	ALPHA	228	228

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, PARAMETRIC STUDY (FPALFA)

DATASETS PLOTTED:
CCBD10 CCBD11

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	229	229
CD	ALPHA	230	230
CDB	ALPHA	231	231
CLM	ALPHA	232	232
CLN	ALPHA	233	233
CY	ALPHA	234	234
CSL	ALPHA	235	235
L/D	ALPHA	236	236

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY (FPDVAR)

DATASETS PLOTTED:
CCBD10 CCBD11

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	237	237
CL	CLM	238	238
CN	CLM	239	239

DEPENDENT VARIABLE Vs INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
ICBD10	CLN/DB	ALPHA	240	240
ICBD10	CSL/DB	ALPHA	241	241
ICBD10	CYBETA	ALPHA	242	242

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, (FSALFA)

DATASETS PLOTTED	DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	PLOT PAGE ENDING
CCBD80	CL	ALPHA	243	243
CCBD80	CD	ALPHA	244	244
CCBD80	CDB	ALPHA	245	245
CCBD80	CLM	ALPHA	246	246
CCBD80	CLN	ALPHA	247	247
CCBD80	CY	ALPHA	248	248
CCBD80	CSL	ALPHA	249	249
CCBD80	L/D	ALPHA	250	250

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, (FSDVAR)

DATASETS PLOTTED	DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	PLOT PAGE ENDING
CCBD80	CL	CD	251	251
CCBD80	CL	CLM	252	252
CCBD80	CN	CLM	253	253

REPEATABILITY CHECK(BIWIV1)(RUNS 20 AND 27)(SEE TABLE I FOR CONTROL DEFLECTIONS)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS (FMALFA)

DATASETS PLOTTED:
DCBD20 CCBD27

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	ALPHA	254	254
CD	ALPHA	255	255
CDB	ALPHA	256	256
CLM	ALPHA	257	257
CLN	ALPHA	258	258
CY	ALPHA	259	259
CSL	ALPHA	260	260
L/D	ALPHA	261	261

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS (FMDVAR)

DATASETS PLOTTED:
DCBD20 CCBD27

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING	/ ENDING
CL	CD	262	262
CL	CLM	263	263
CN	CLM	264	264

TABULATED DATA LISTING

A tabulated data listing, consisting of all aero data sets, both original and those created in arriving at the plotted material to be presented subsequently, is available as an addendum to this report. The tabular listing is made up in three sections:

(a) a brief summary list of all data sets containing the identifier, the descriptor, and the resident dependent variables.

(b) an expanded list of all data sets, containing the identifier, the descriptor, the resident dependent variables, reference data, parameters and respective values, and independent variable ranges.

(c) the full list of all data sets containing all resident or selected aerodynamic coefficients of the data sets as well as the above mentioned information.

The listing is currently sent on limited distribution to the following organizations:

NASA AMES	Mr. John Axelson
NASA LaRC	Mr. David Stone
NASA MSC	Mr. Ray Nelson
NASA MSFC	Mr. Jim Weaver
MDAC(EAST)	Mr. John Hrenak

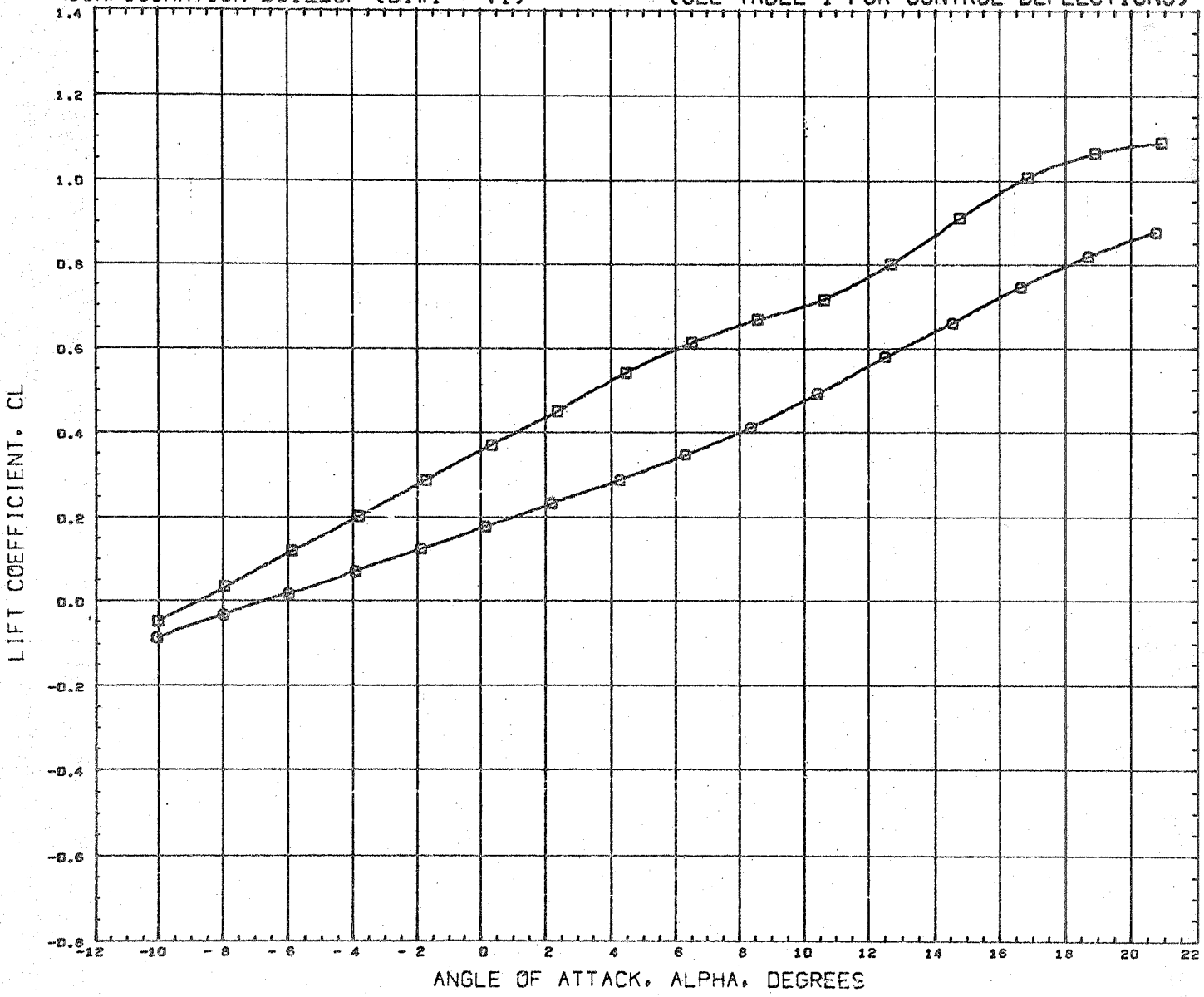
If copies of this listing are desired, please contact the above or the cognizant SADSAC personnel who, for this data, is:

Albert D. Martin
Department 2780
Chrysler Corporation Space Division
New Orleans, La. 70129

(504) 255-2214
(504) 255-2330

DATA

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



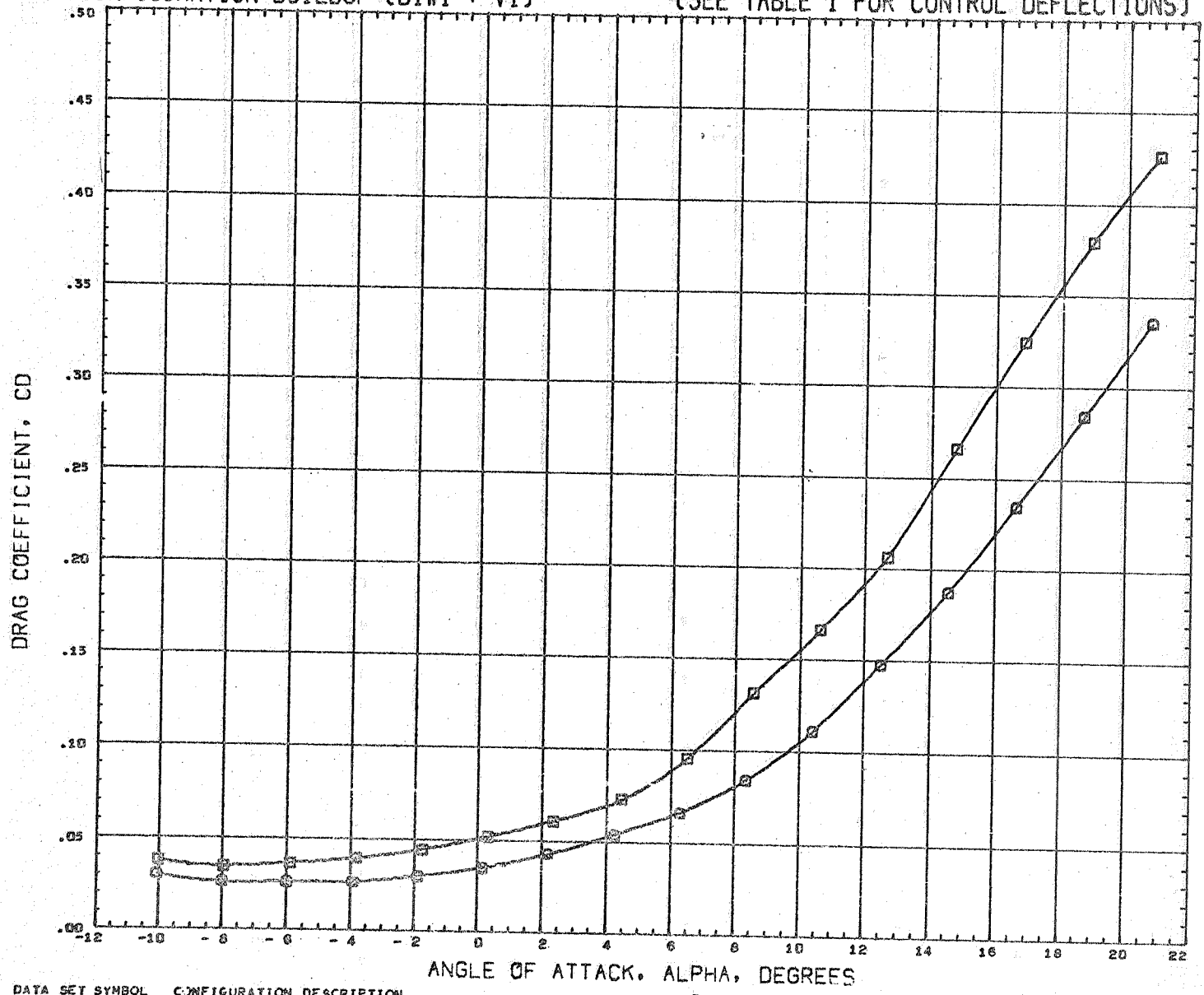
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION		
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1	TUFTS	
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40		

PARAMETRIC VALUES			
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CCBD10) ○ MCAIR LSWT 235 MDC STS ORB(02) B1W1 TUFTS

(DCBD20) □ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40

PARAMETRIC VALUES

BETA 0.000 ELEVTR 0.000

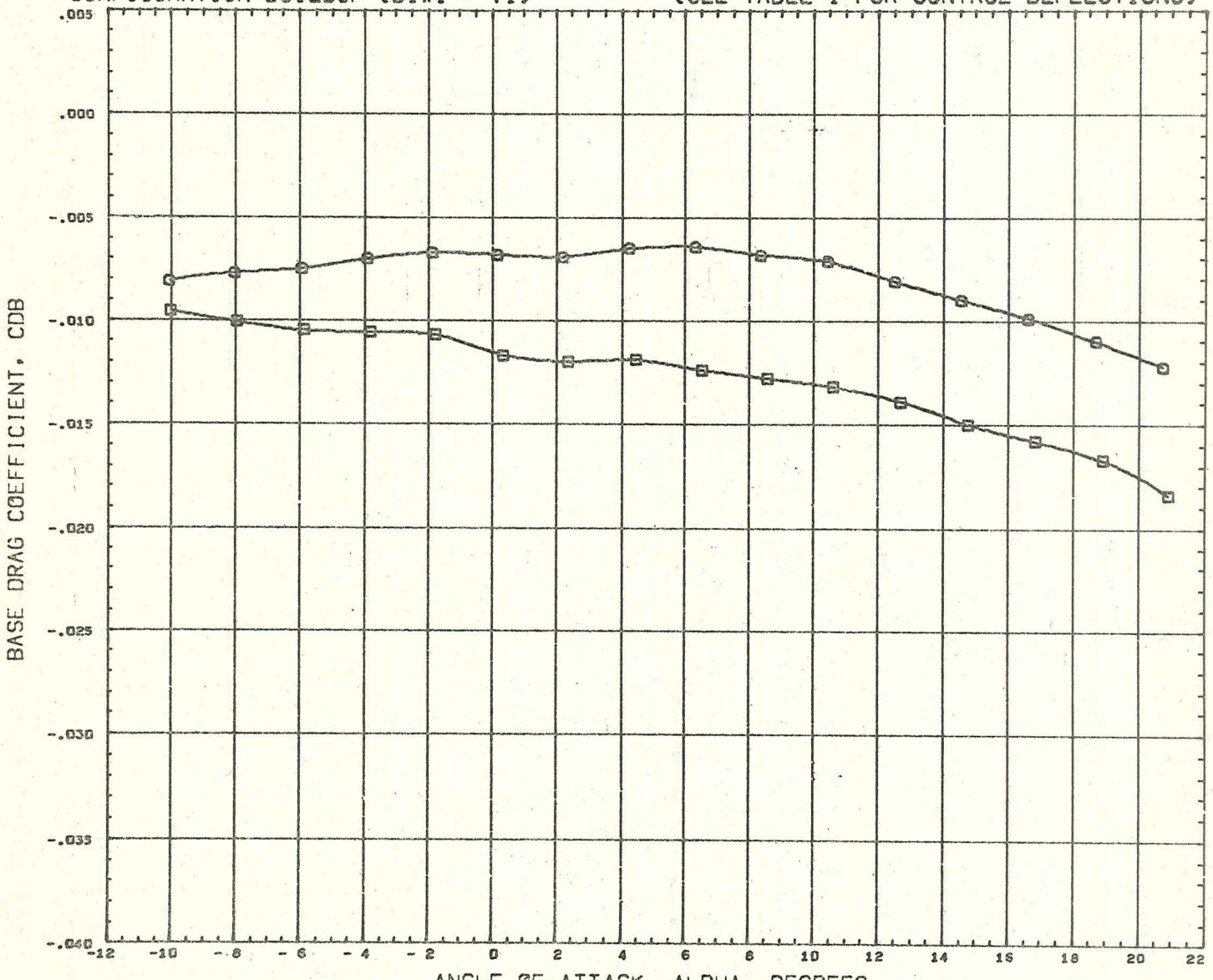
AILRON 0.000

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1 TUFTS
(DC8D20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40

PARAMETRIC VALUES

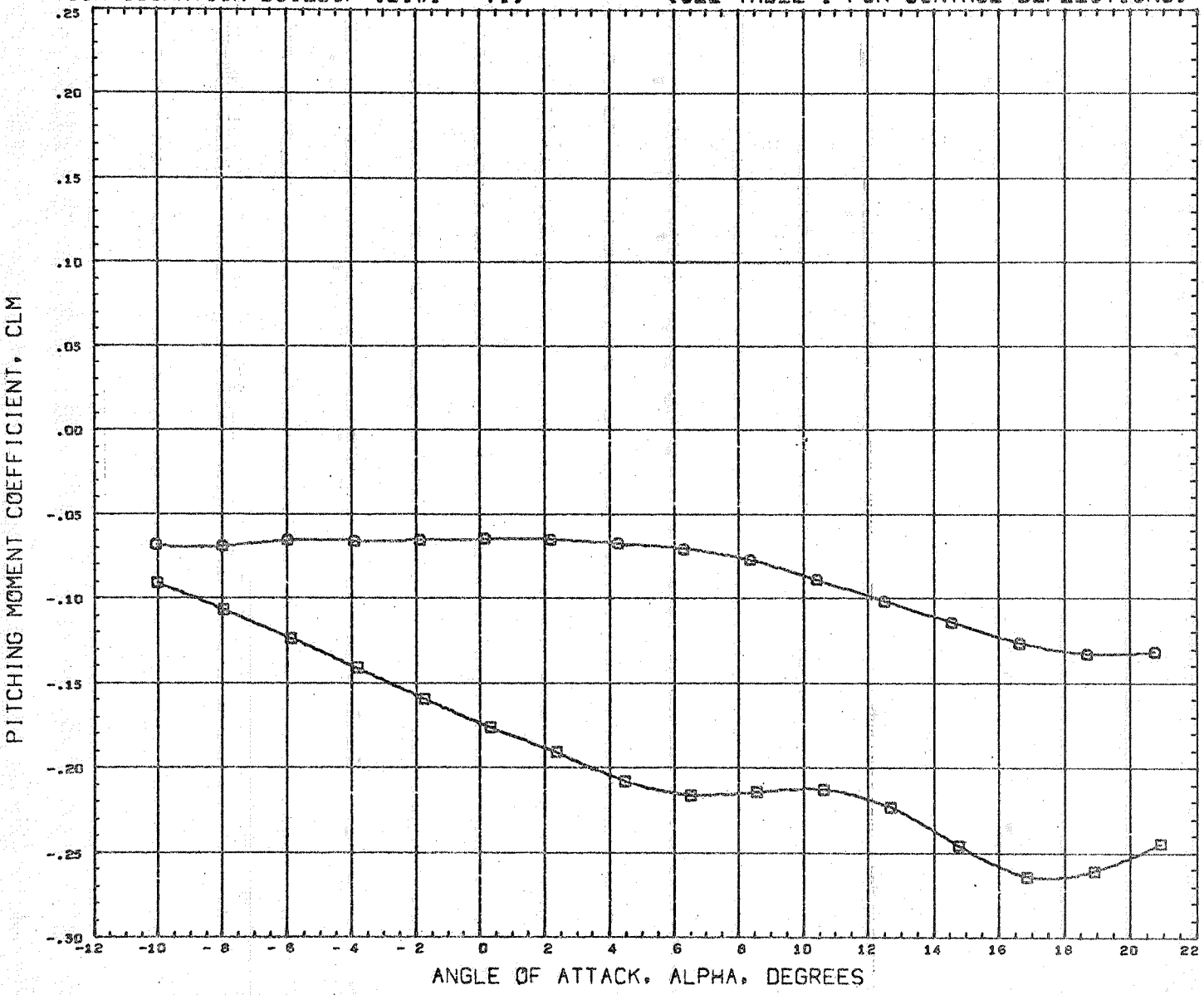
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
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REFB	3.5400	FT.
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YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

@(FSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

PARAMETRIC VALUES

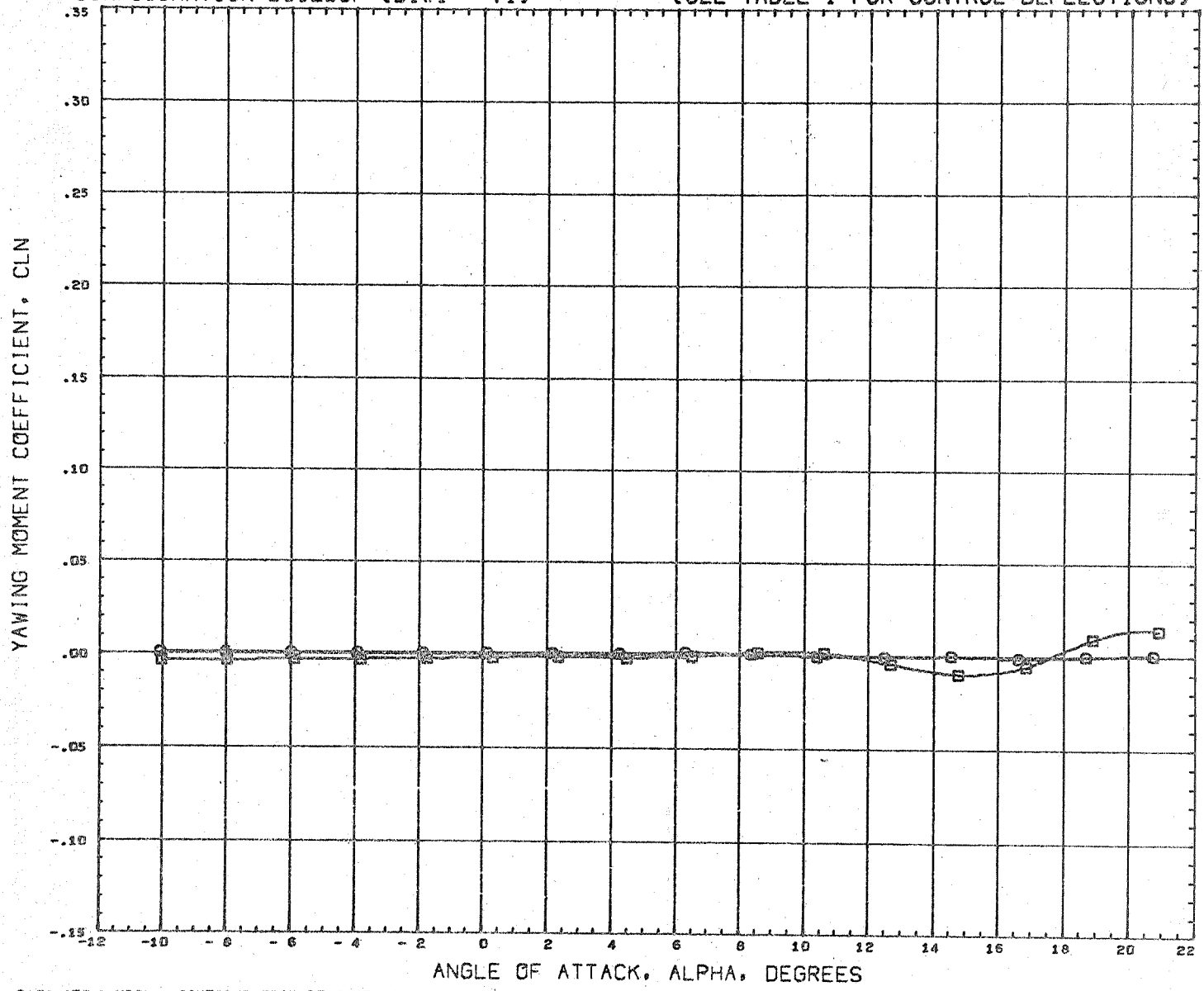
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
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REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

PARAMETRIC VALUES

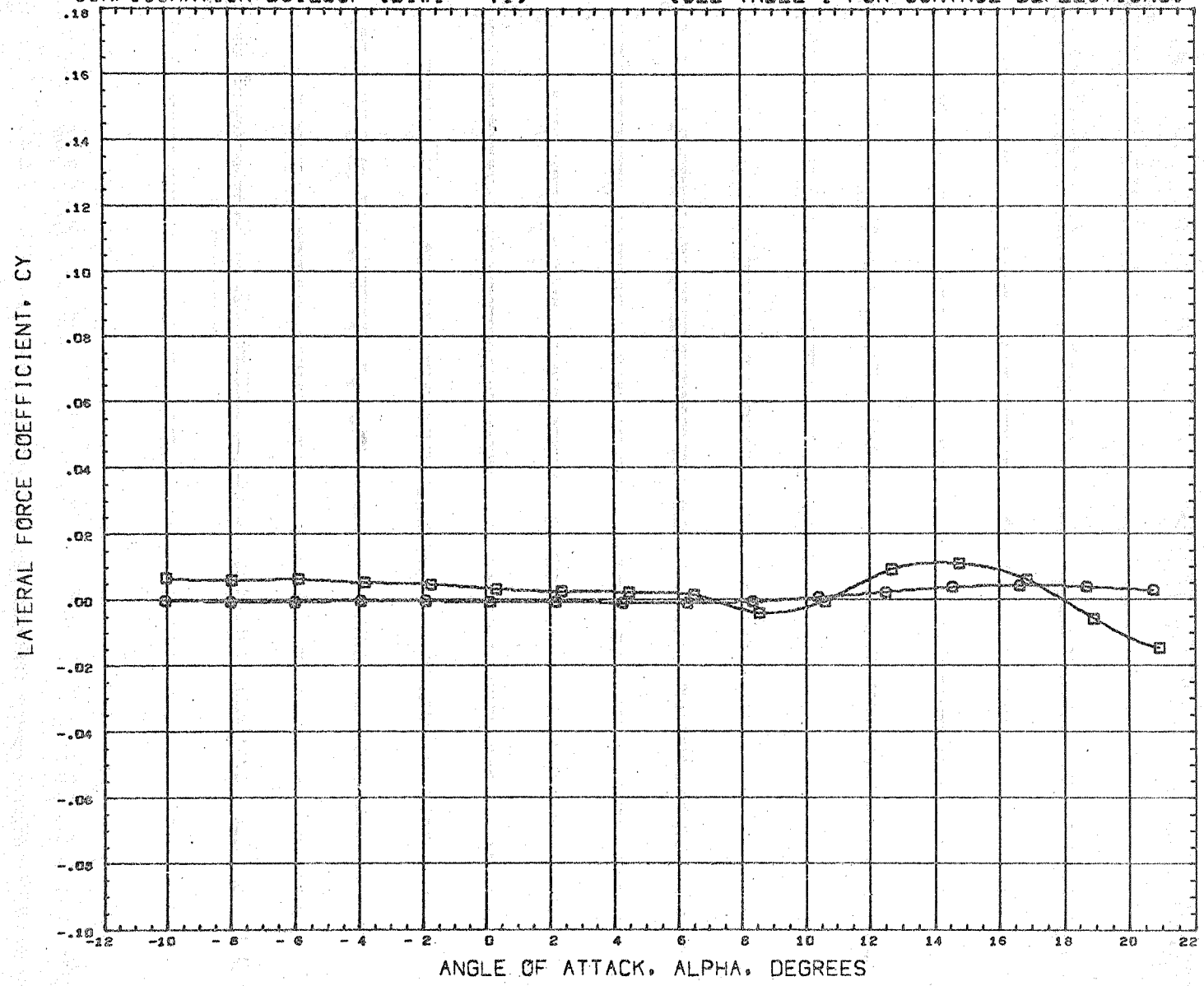
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

PARAMETRIC VALUES

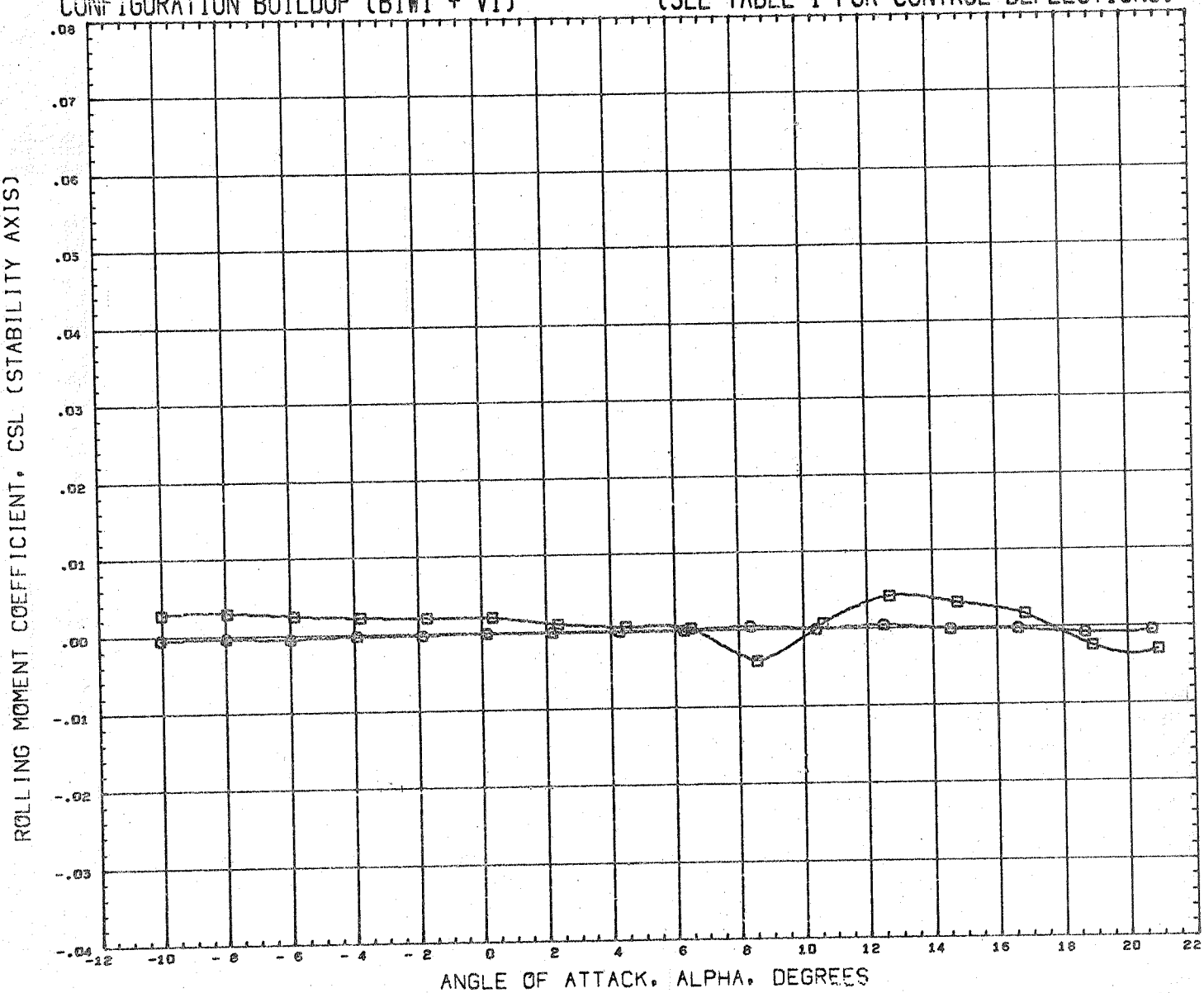
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



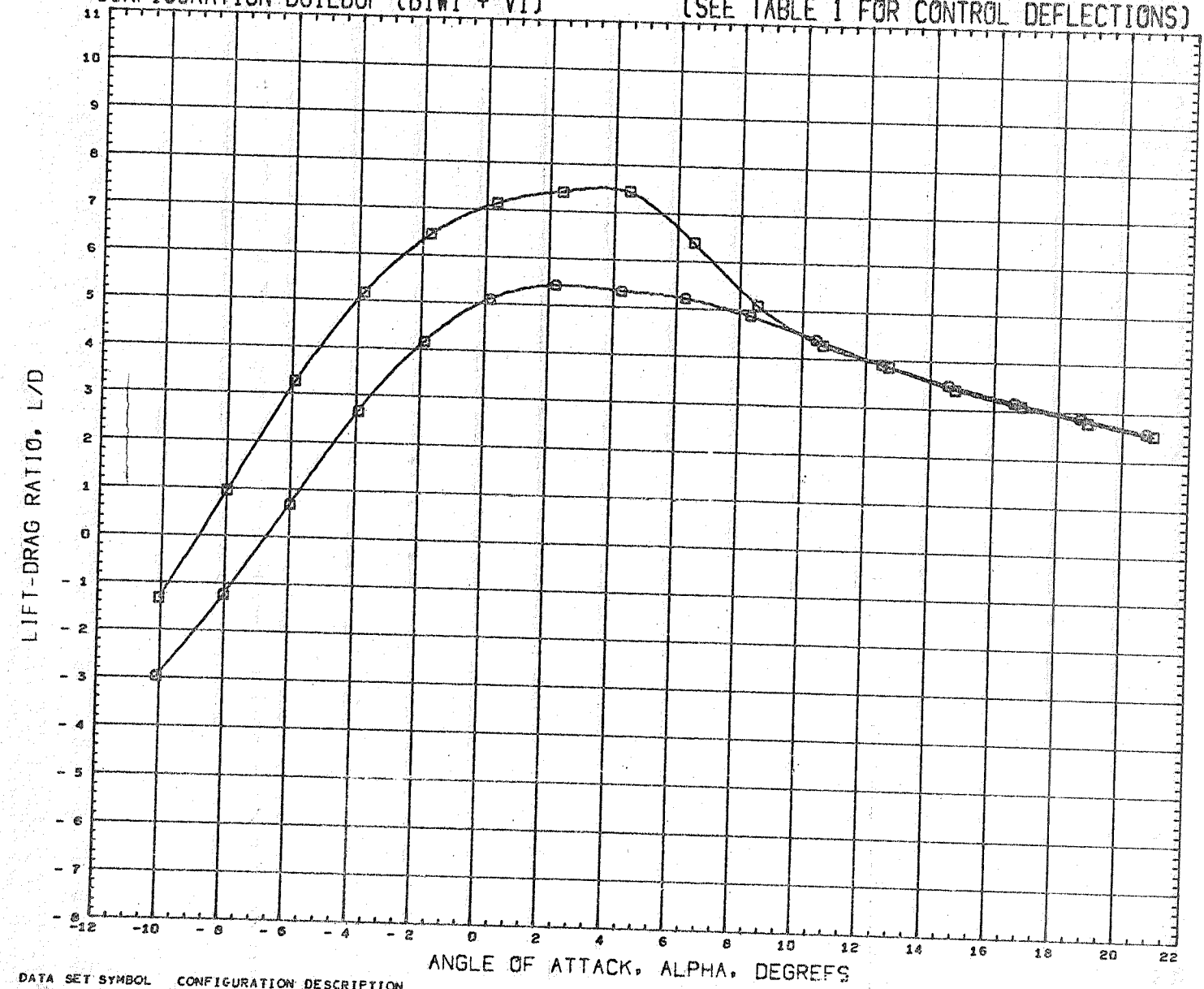
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION			PARAMETRIC VALUES			
(CCBD1C)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1	TUFTS	BETA	0.000	ELEVTR	0.000	
(DCBD2D)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40		AILRON	0.000			

Q(PSF) 40.000

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

PARAMETRIC VALUES

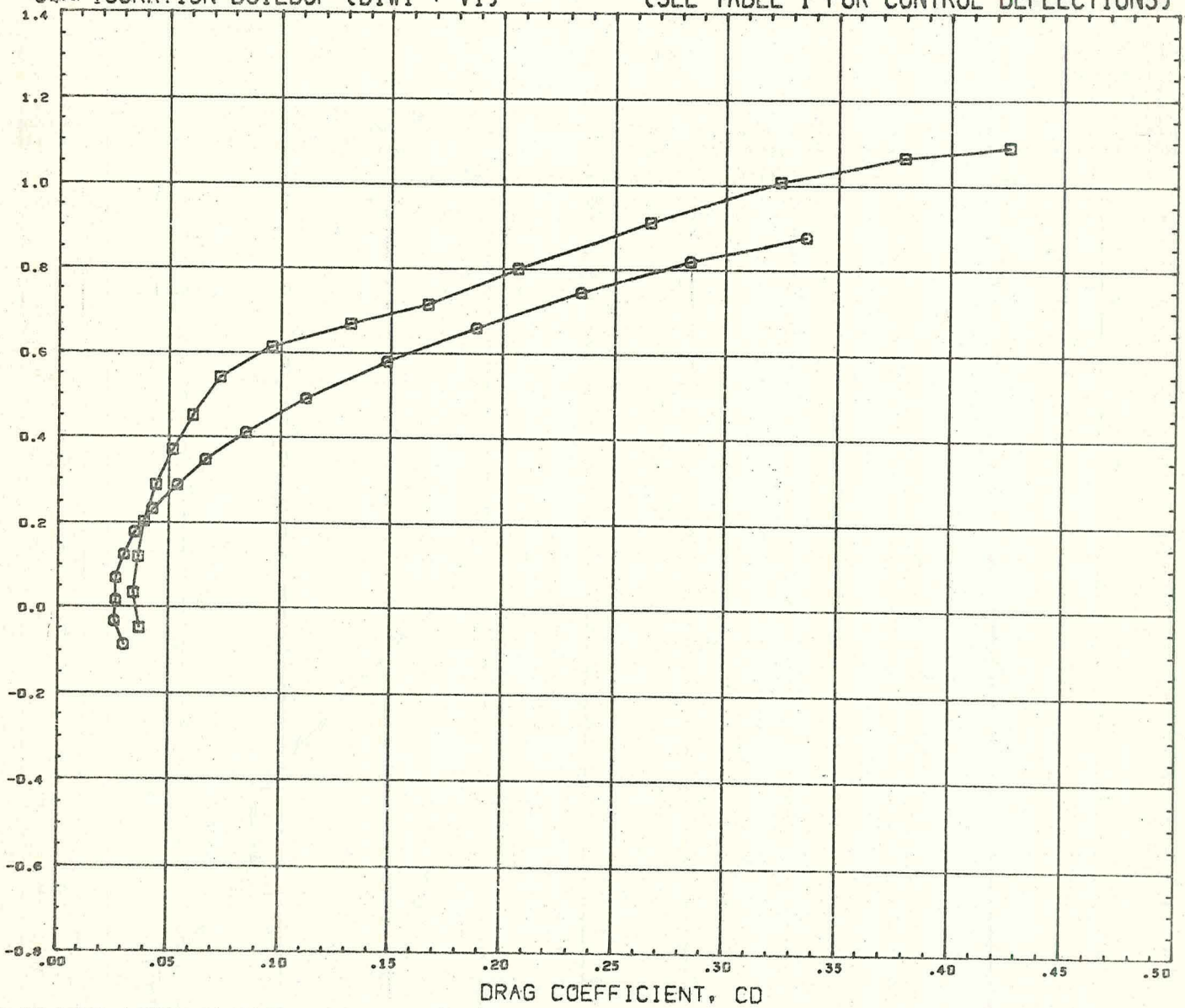
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

Q(PSF) 40.000

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 @= 40

PARAMETRIC VALUES

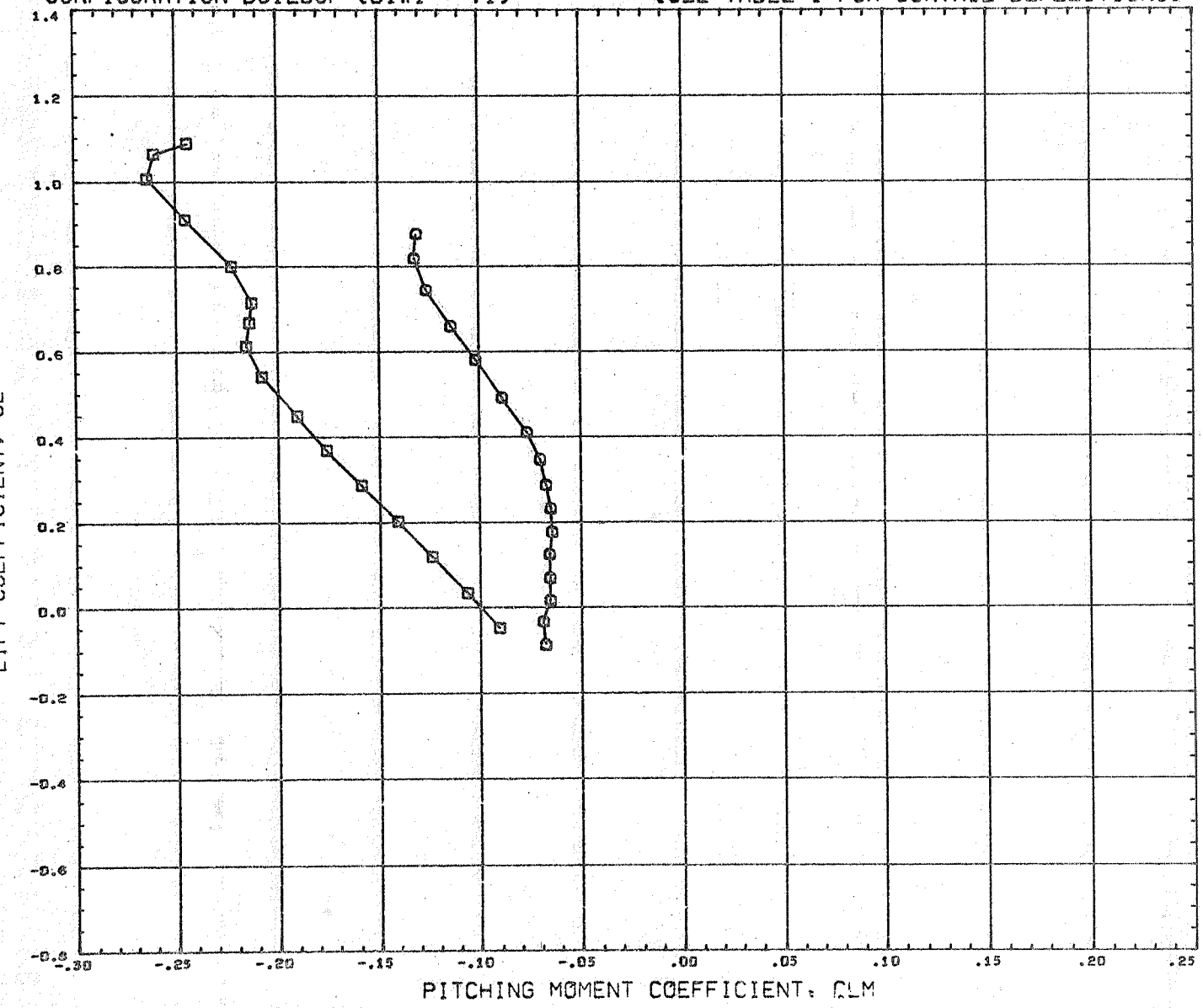
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.050

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

PARAMETRIC VALUES

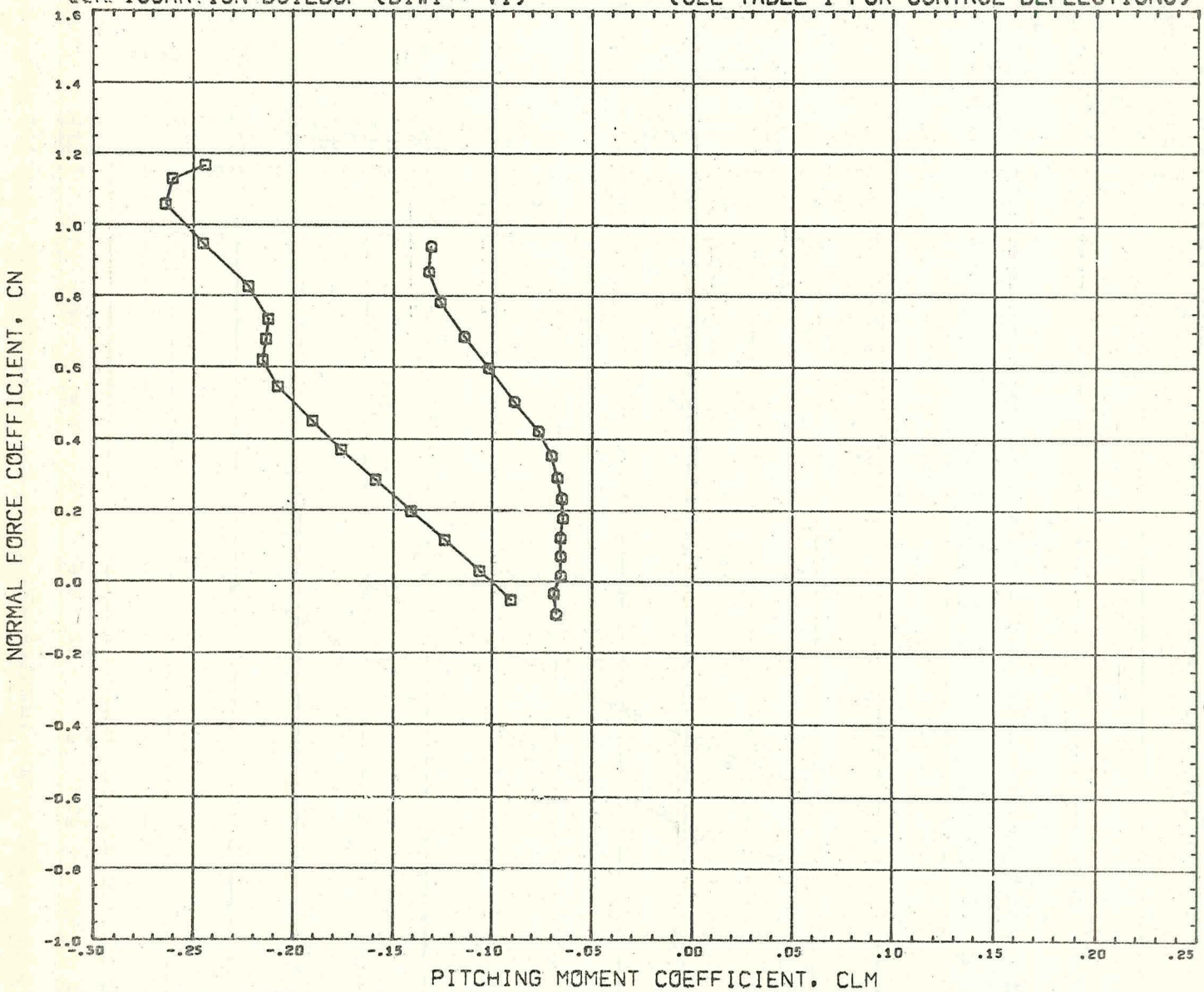
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION BUILDUP (B1W1 + V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CCBD10)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1 TUFTS
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

PARAMETRIC VALUES

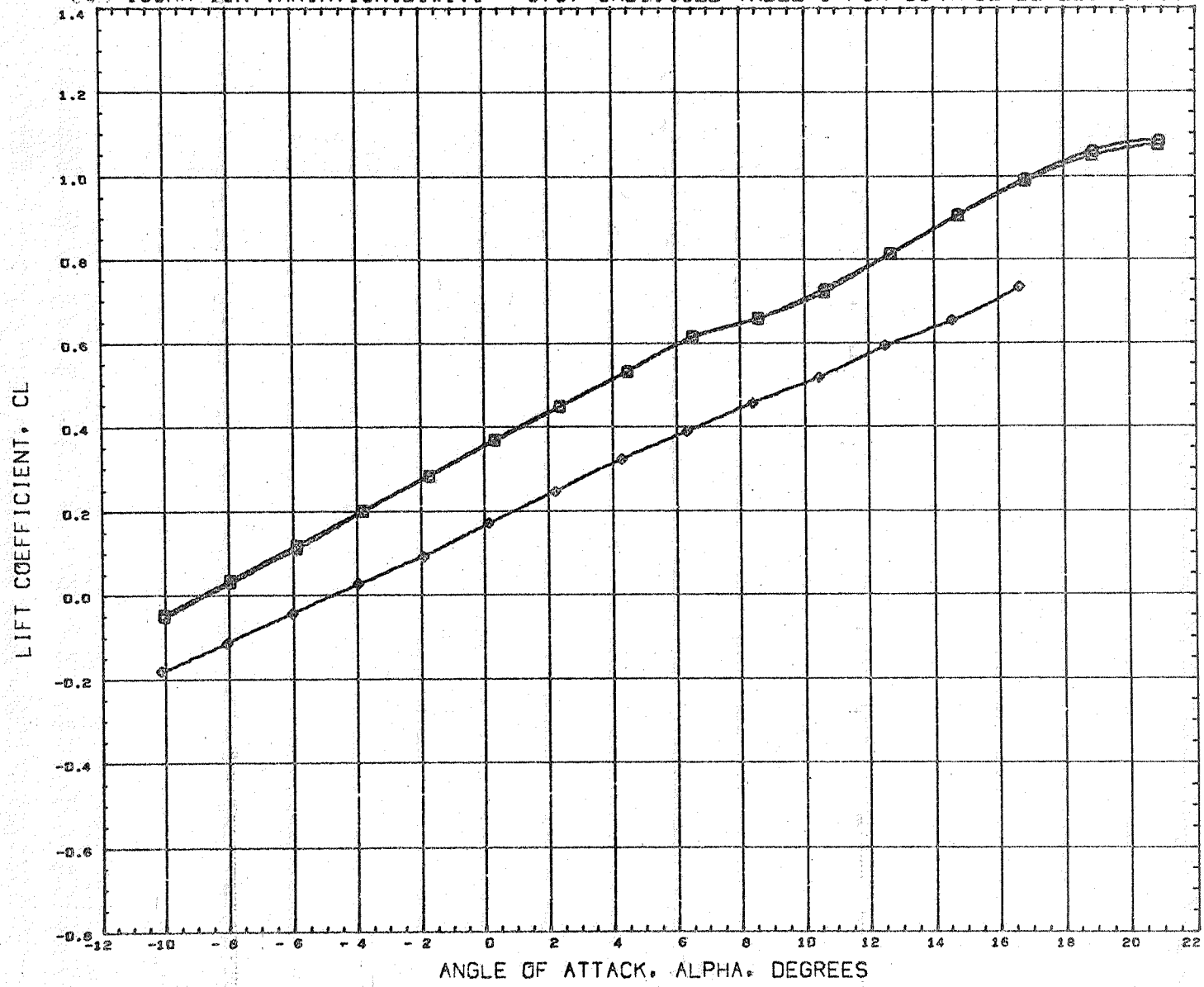
BETA	0.000	ELEVTR	0.000
AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD62)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(FSF) 100.000

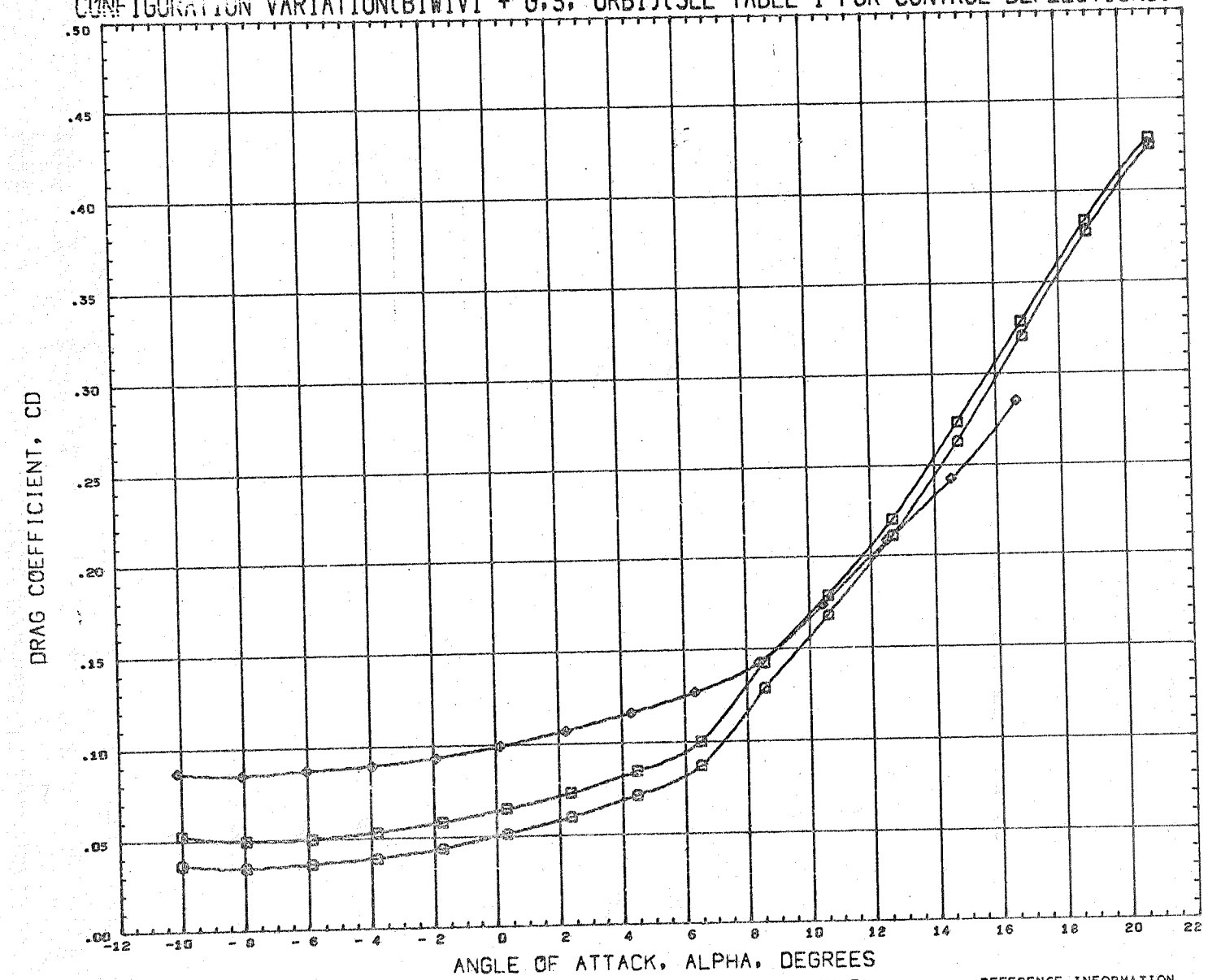
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD60)	□	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

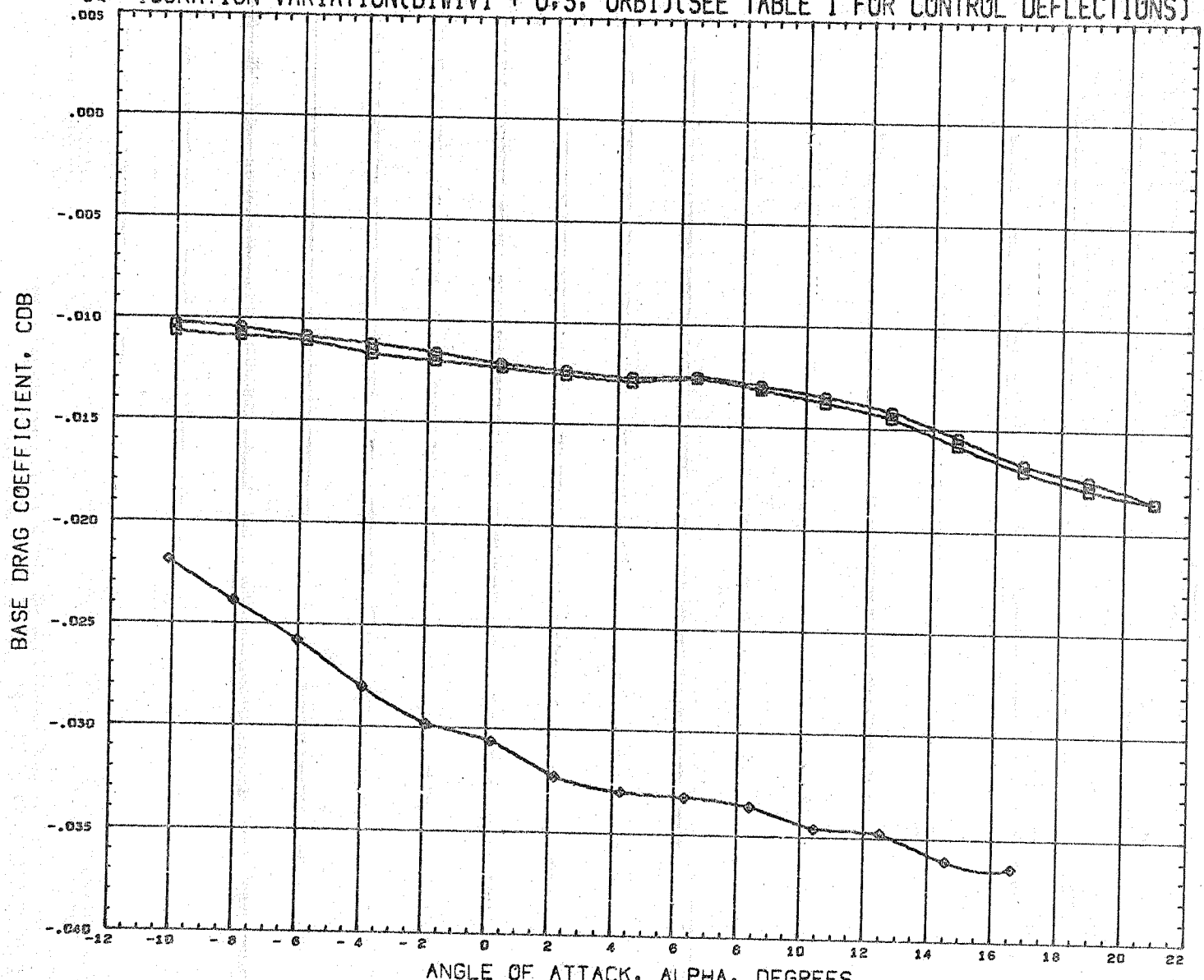
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ØRB1)(SEE TABLE 1 FØR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @=100
(CCBD60)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1@
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

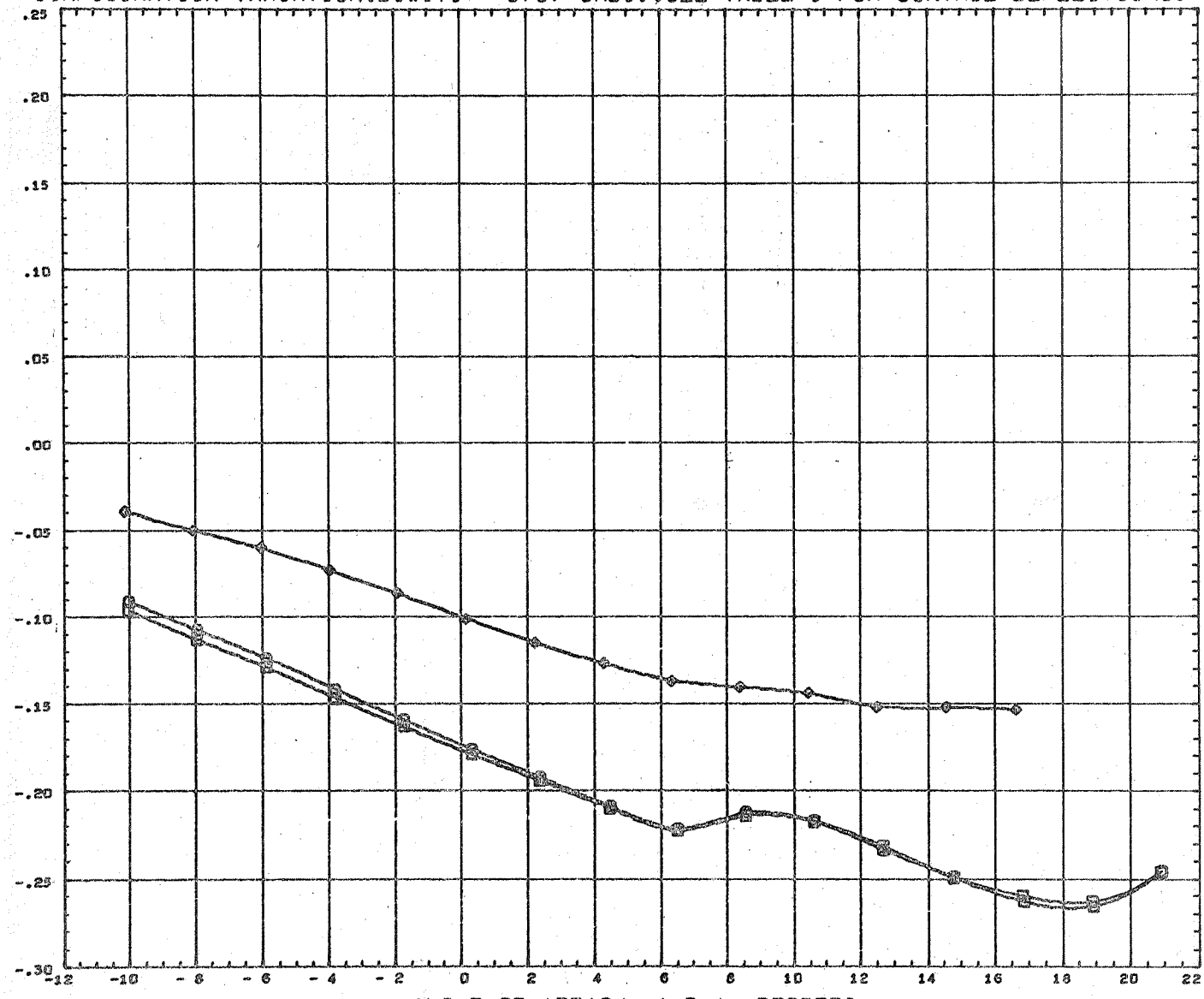
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

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REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECB020)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCB060)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1Q
(CCB070)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

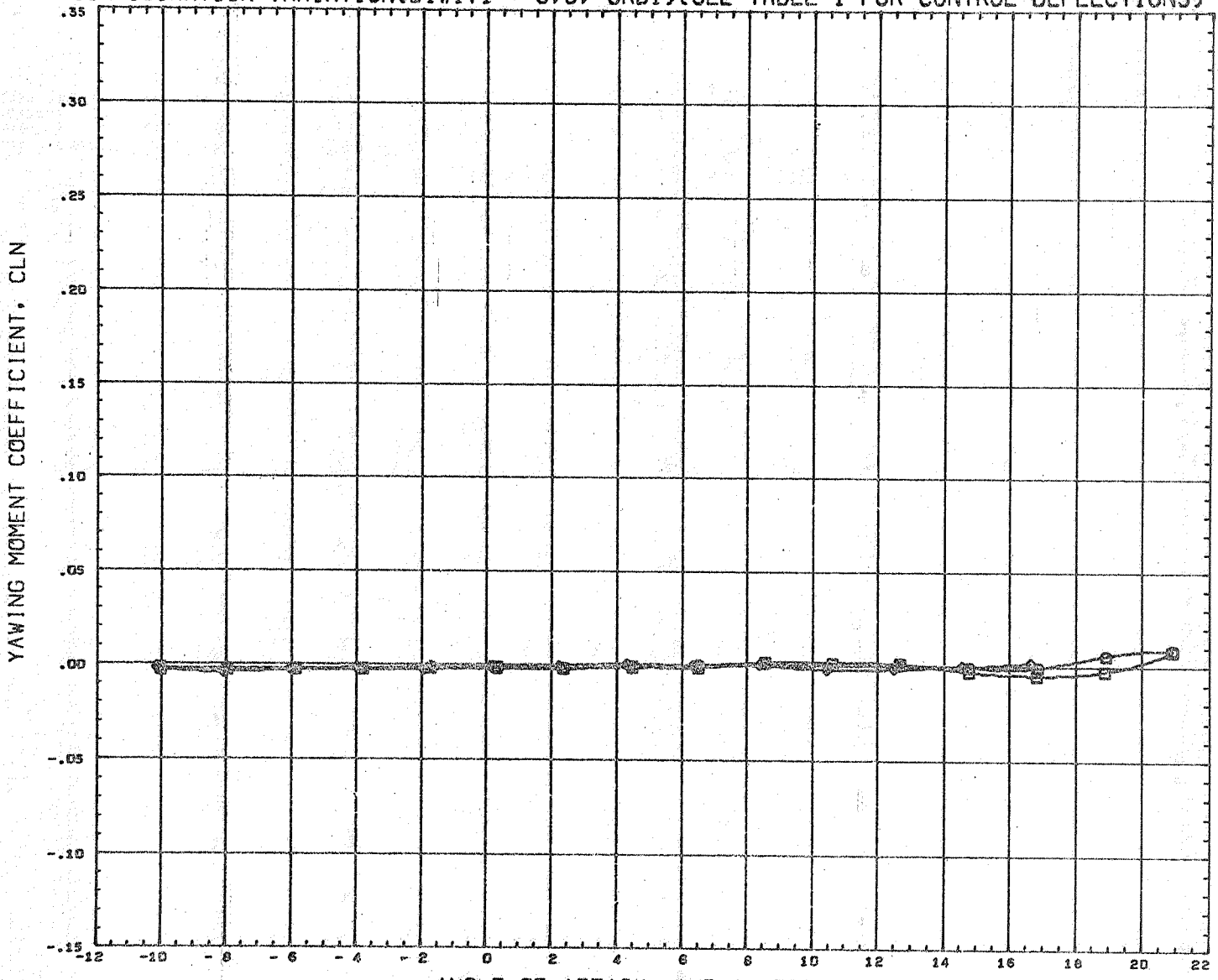
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD60)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

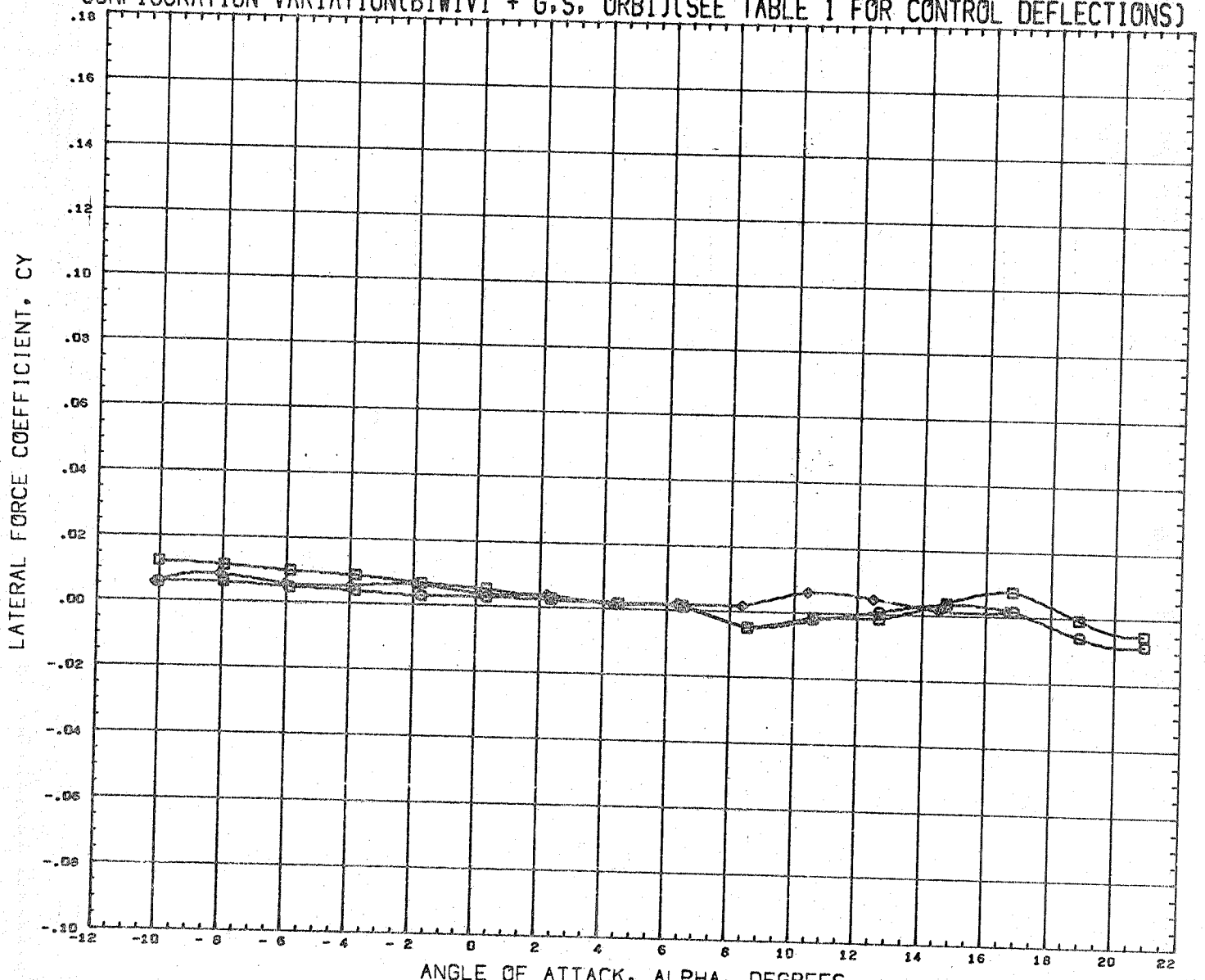
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ECBD20) ○ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @=100
(CCBD60) □ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70) ◇ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

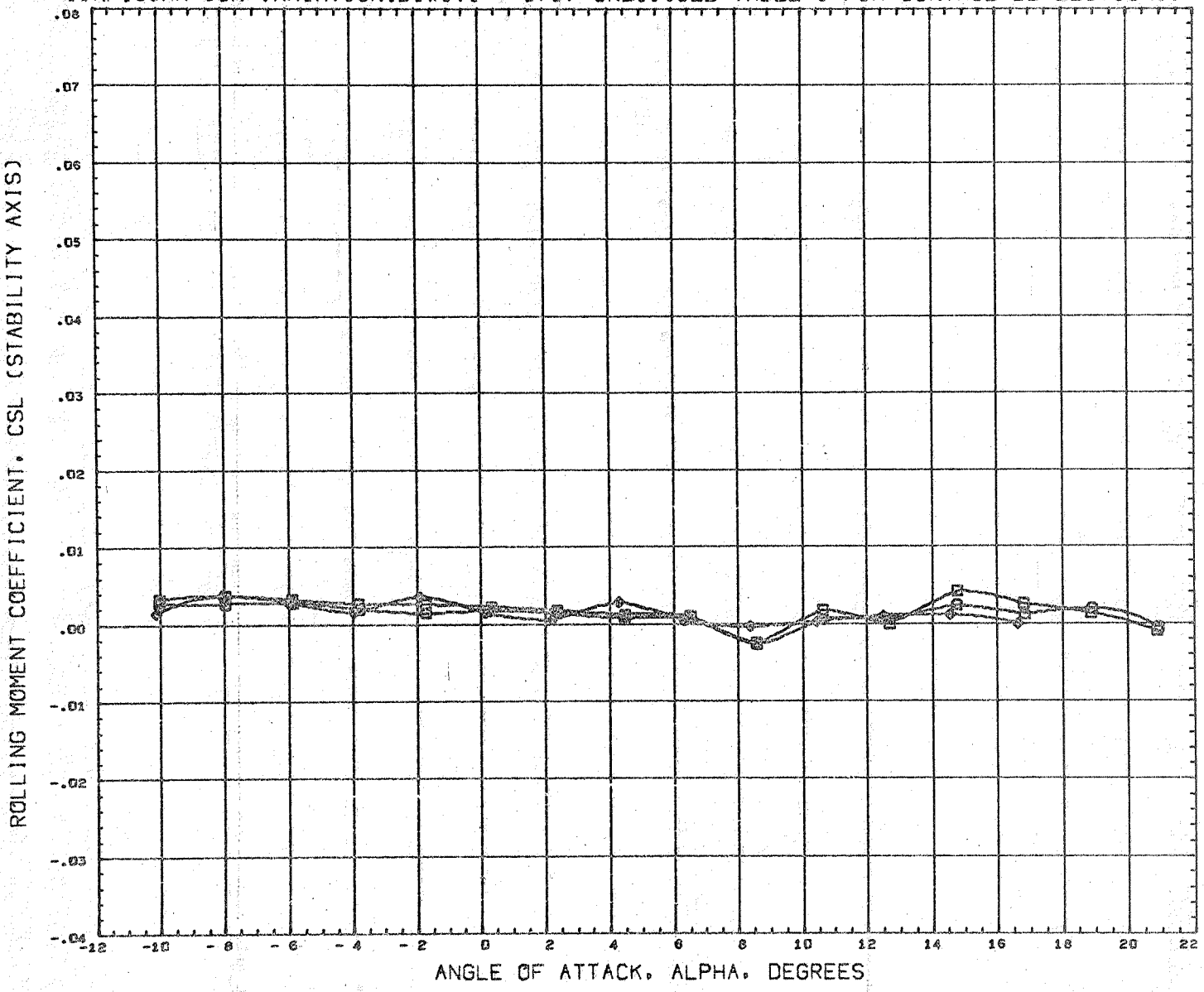
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EC8020)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CC8D6D)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CC8D70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

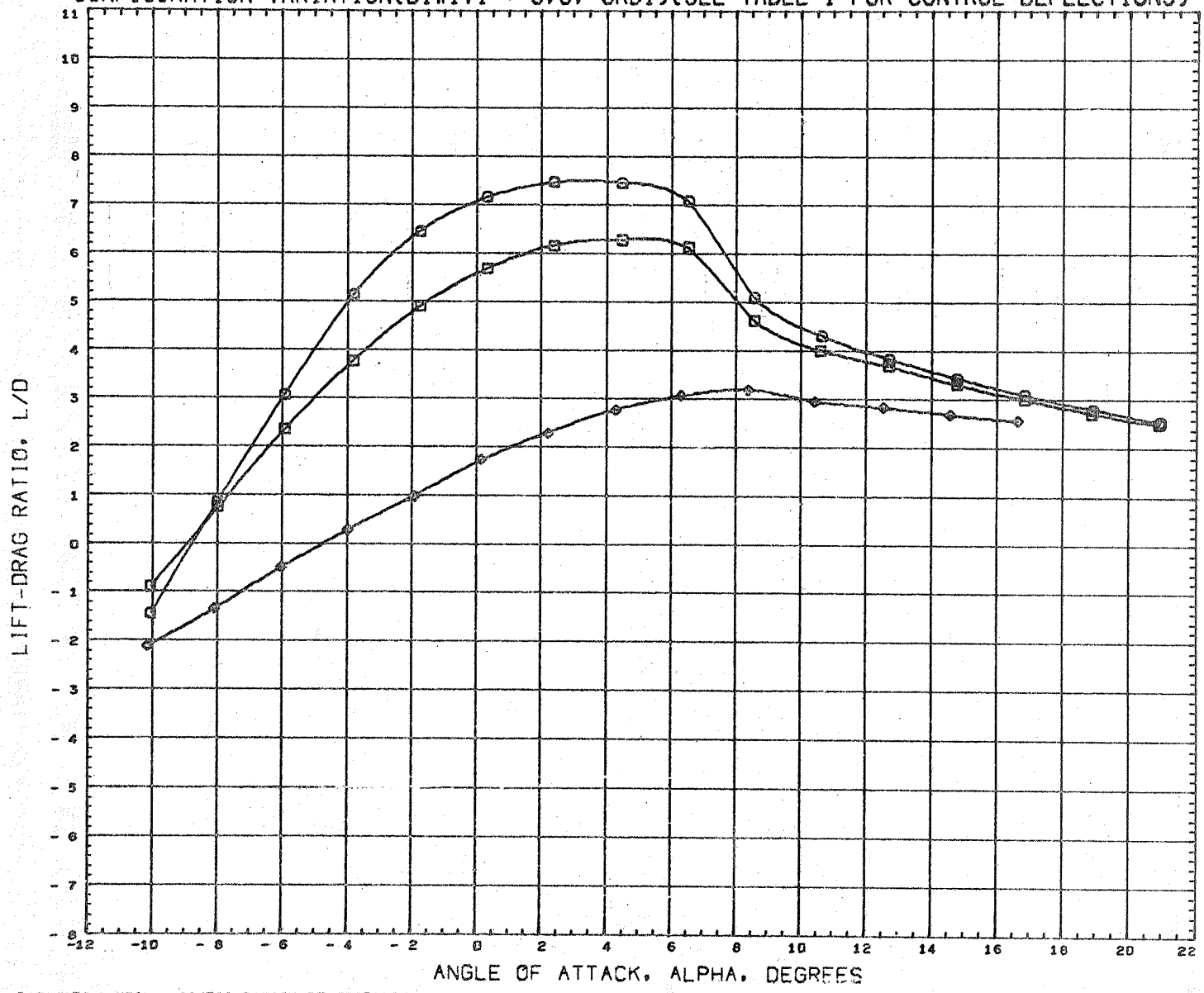
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G,S, ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD60)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

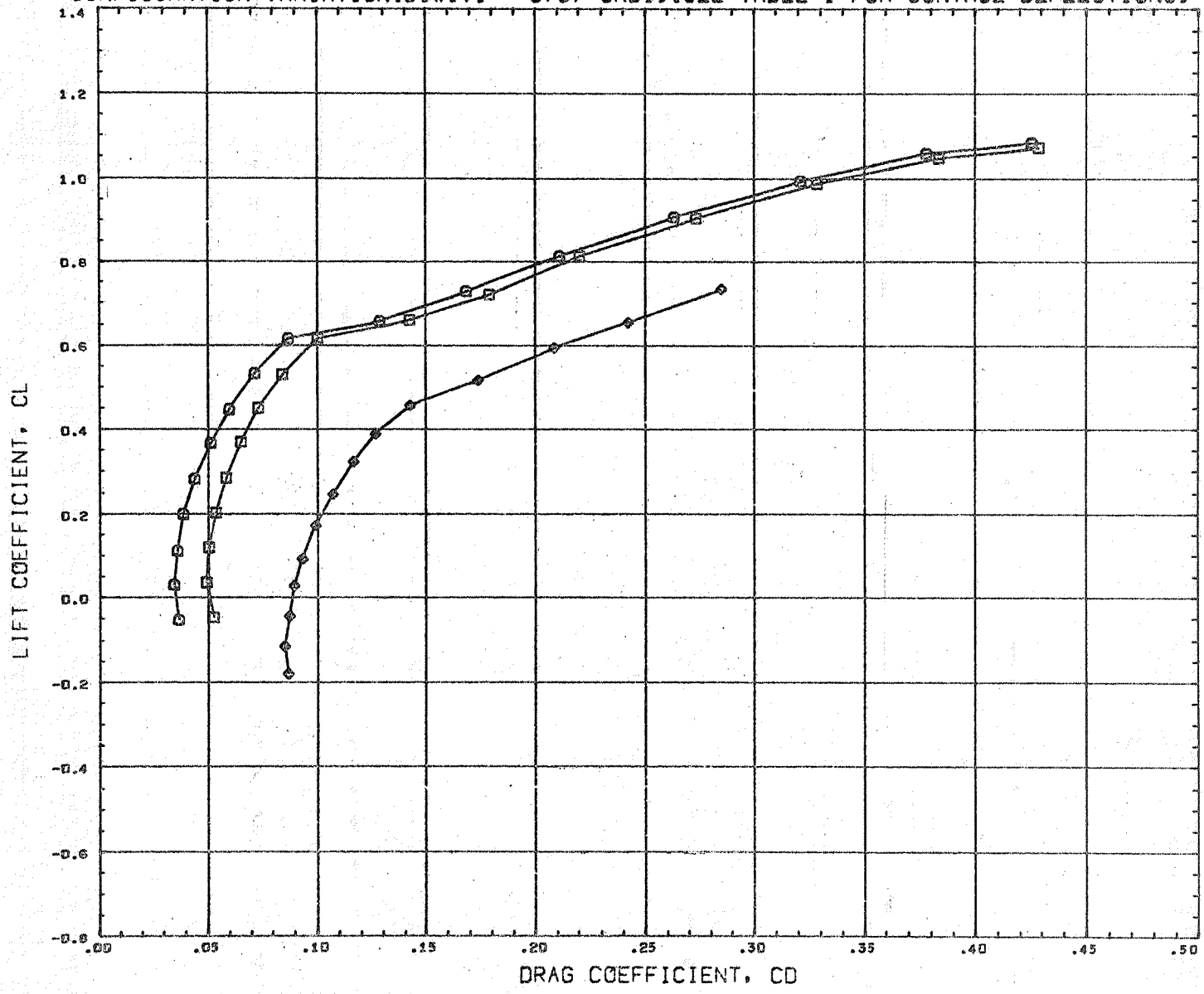
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G,S, ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD60)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

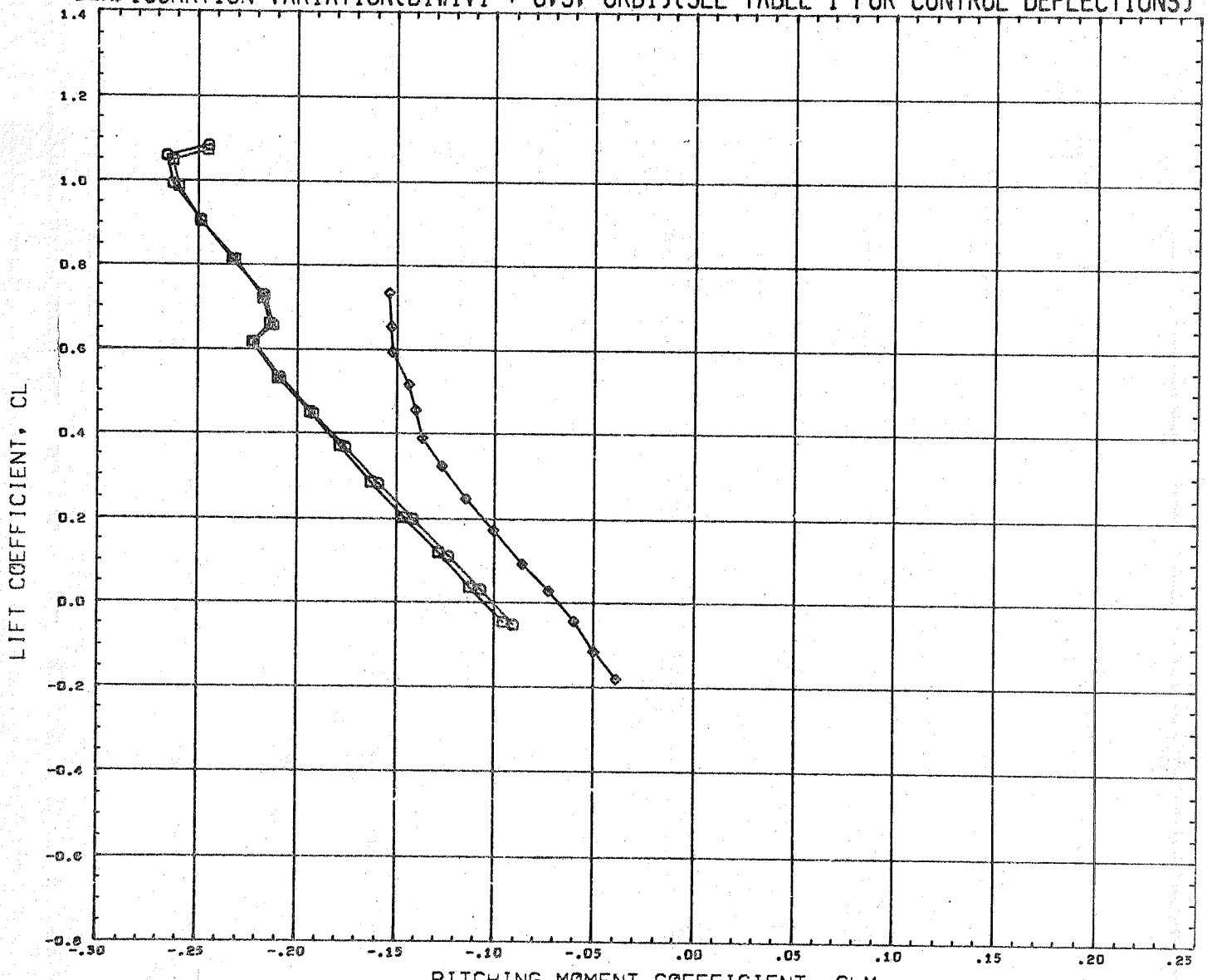
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G,S, ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD80)	□	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1G
(CCBD70)	◇	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

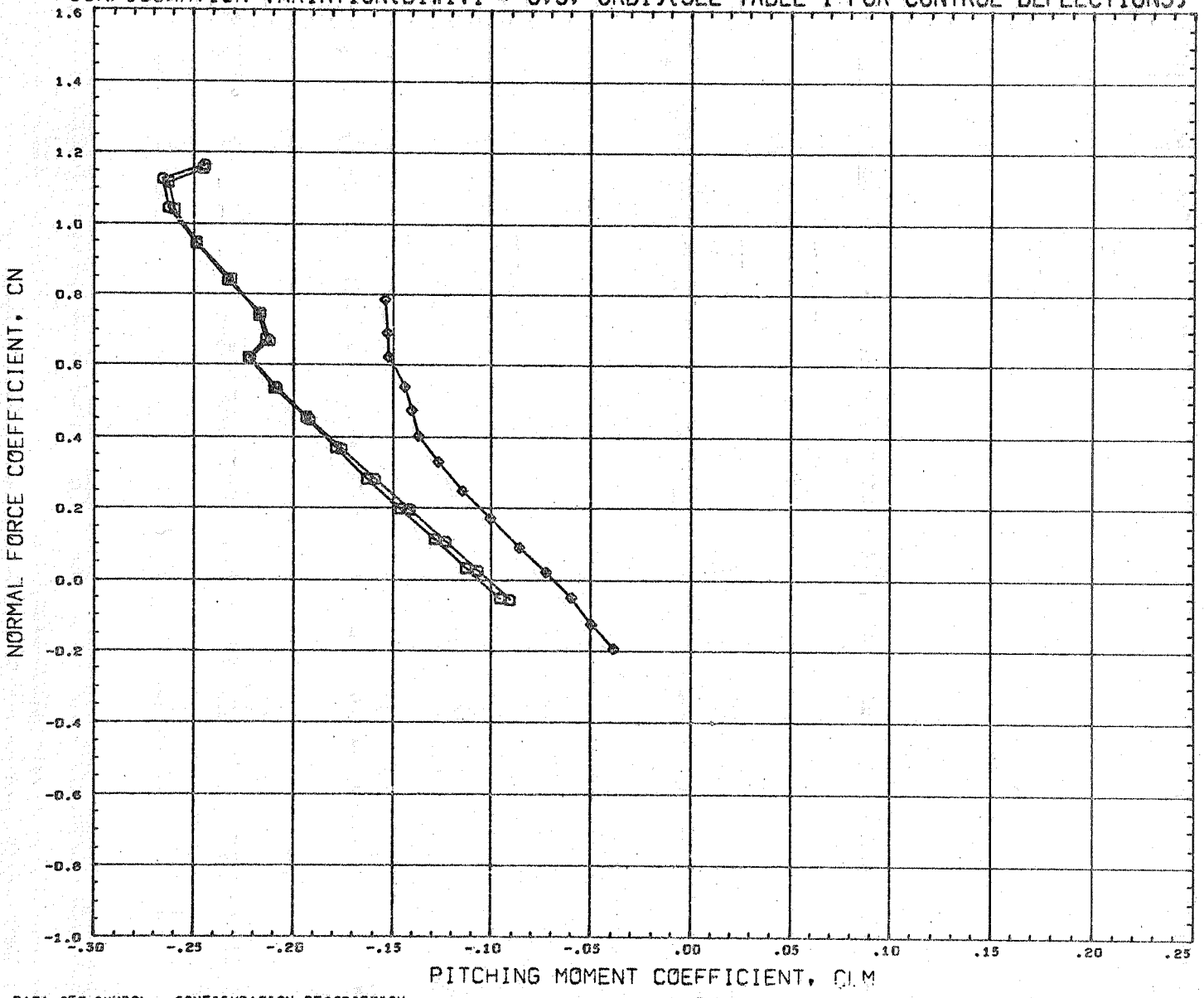
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

CONFIGURATION VARIATION(B1W1V1 + G.S. ORB1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD60)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1C
(CCBD70)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1SB1

Q(PSF) 100.000

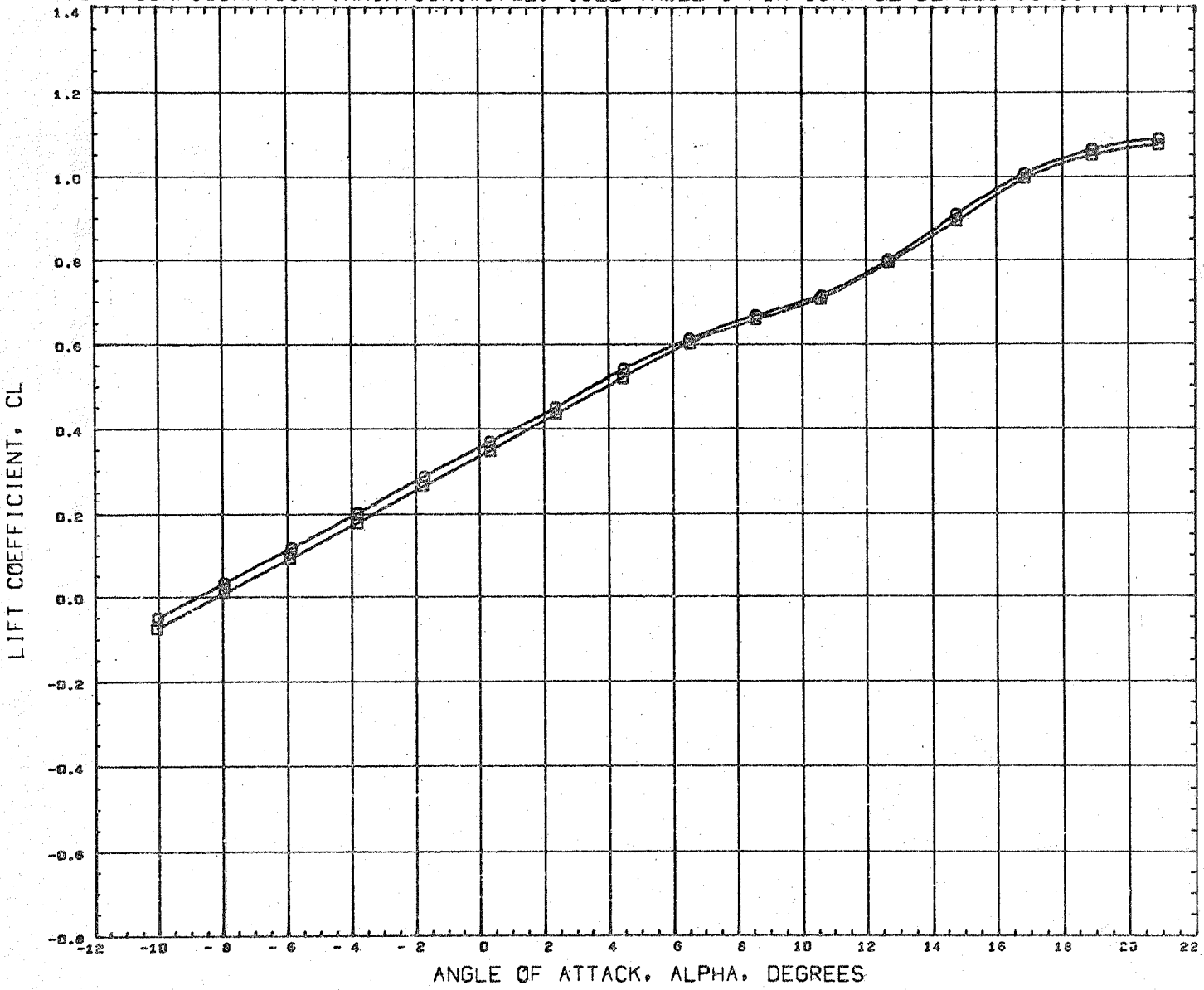
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD50)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

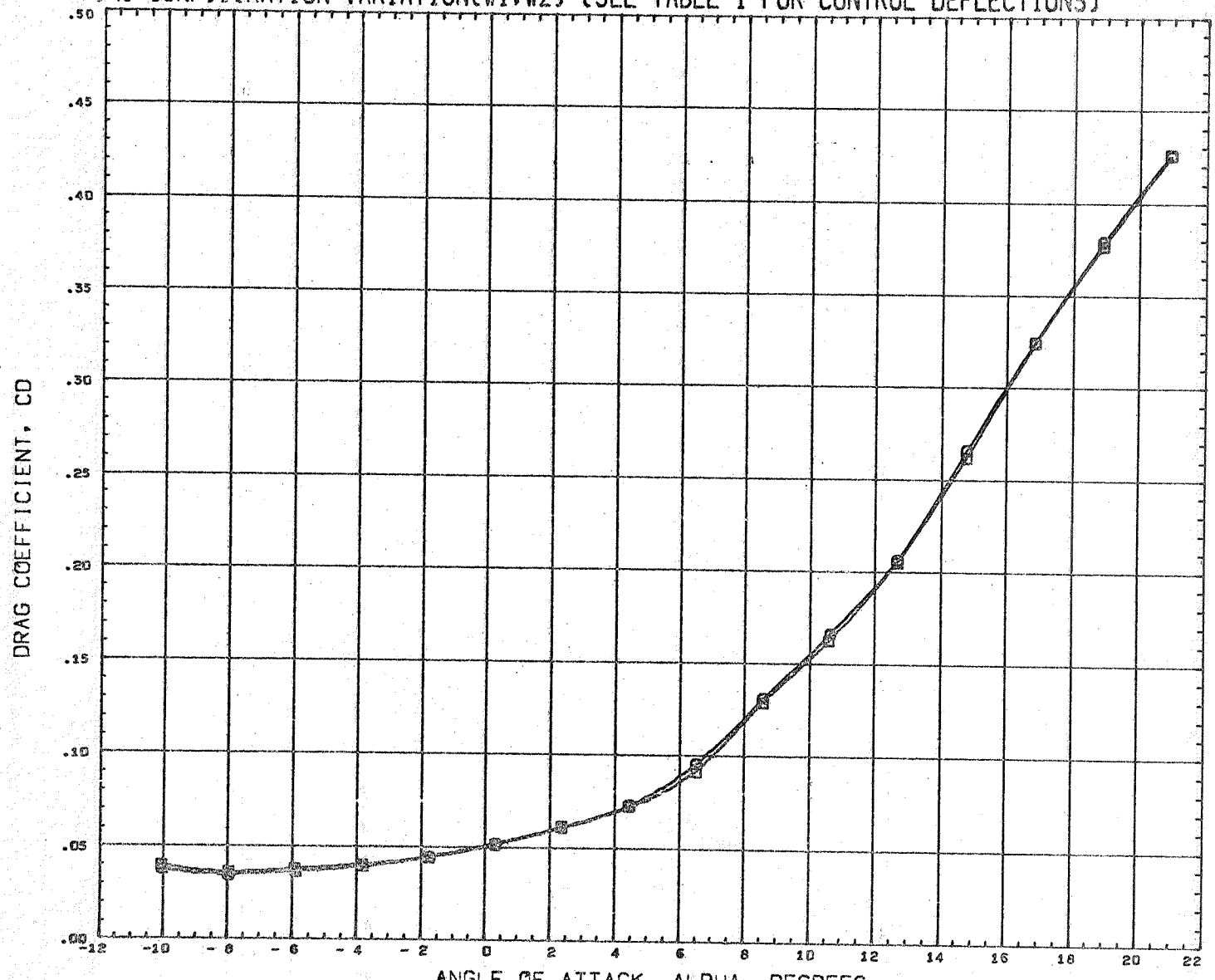
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD2D)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40
(CCBD5C)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W2V1

Q(PSF) 40.000

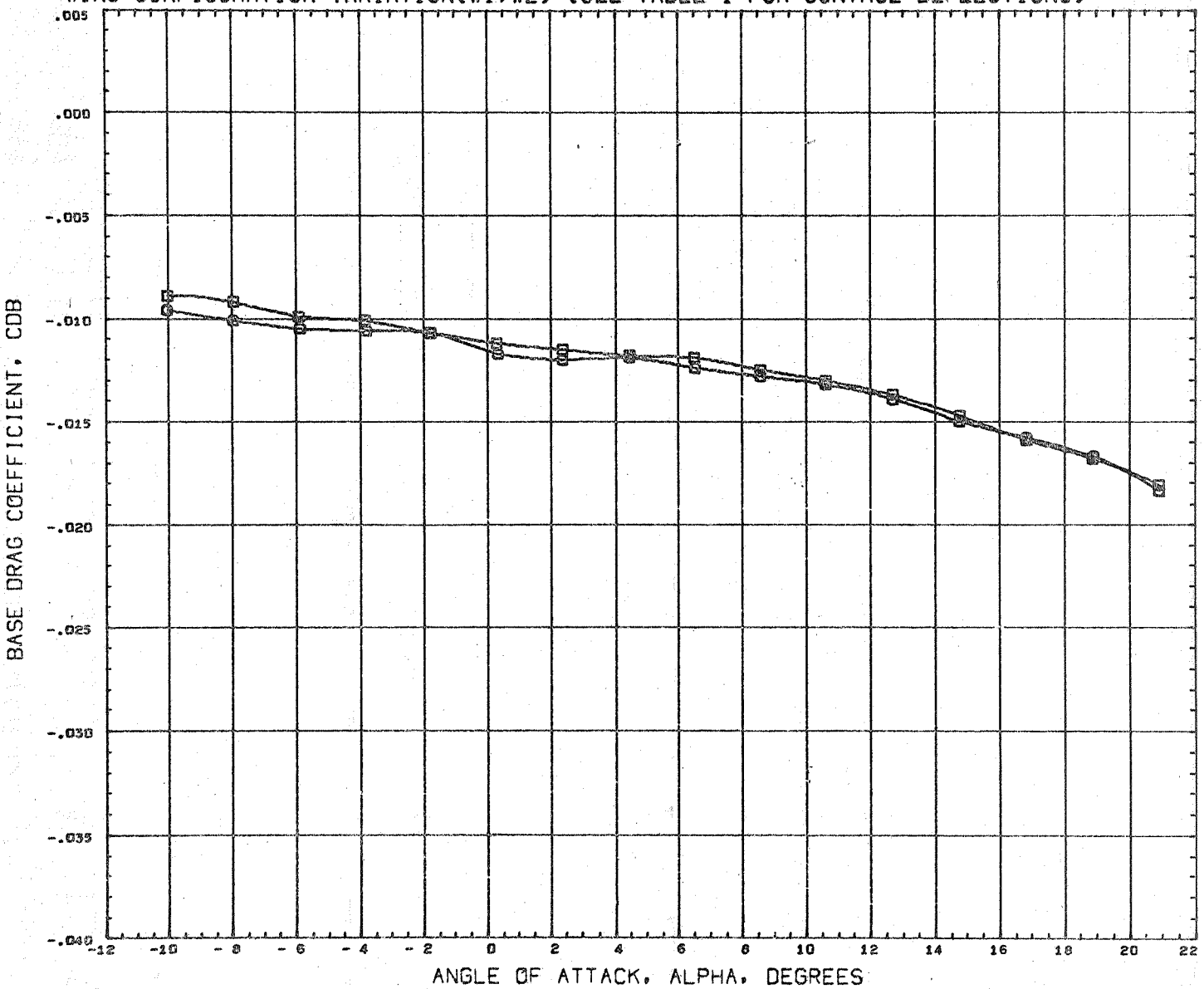
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



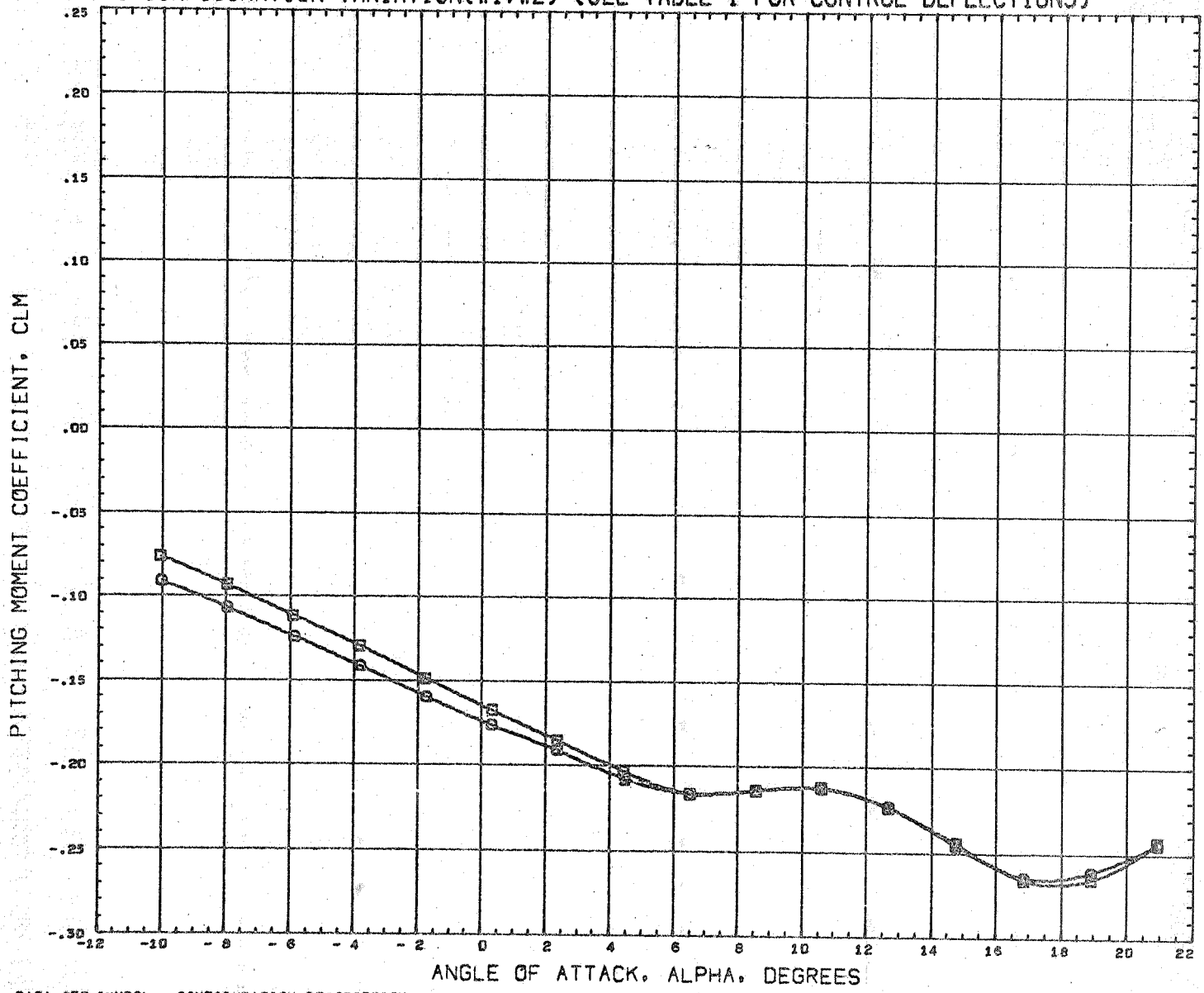
DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD50)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

PARAMETRIC VALUES			
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DC6D20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CC6D50)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

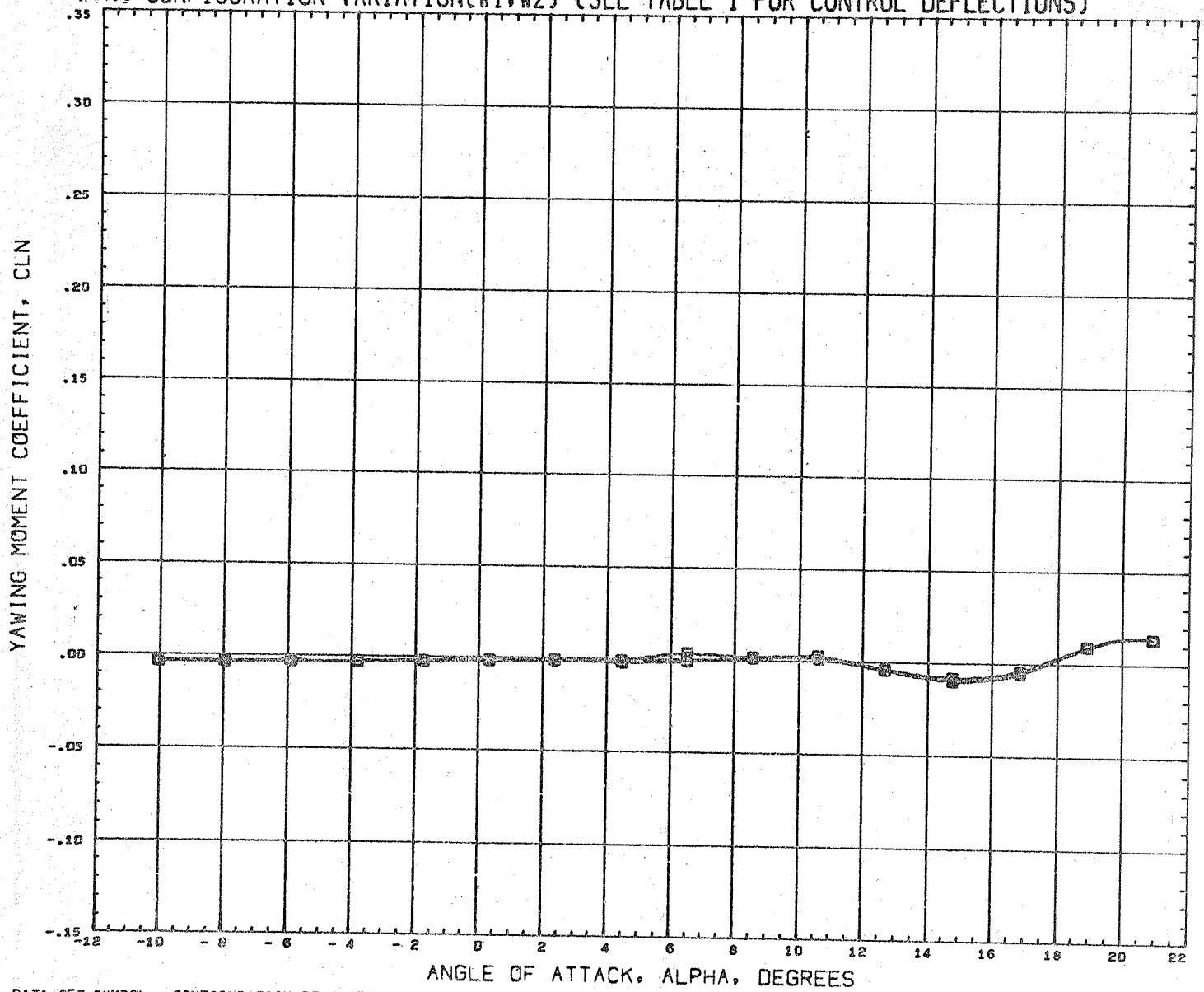
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DCBD20) ○ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40

(CCBD50) □ MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

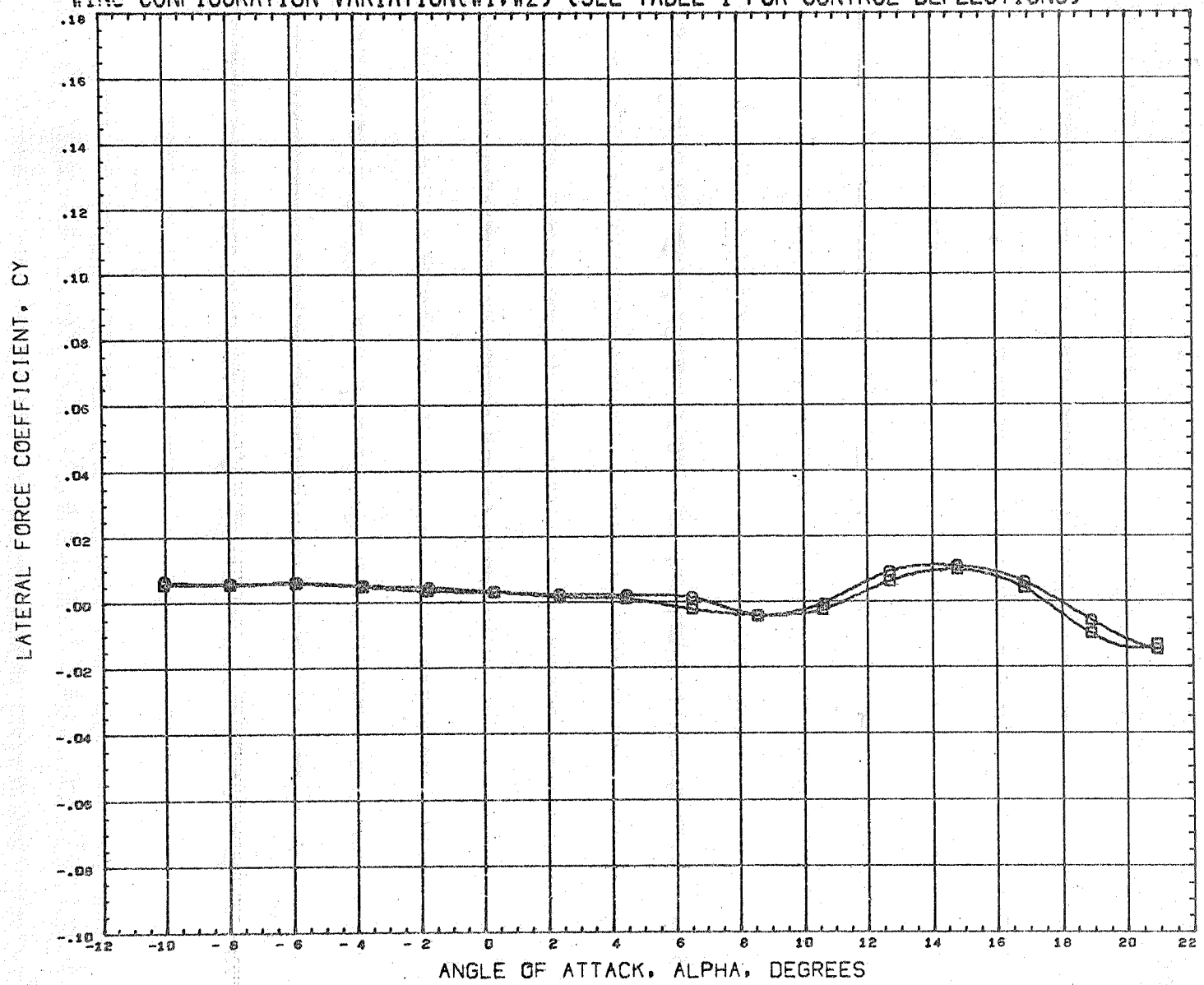
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DCBD20) Ω MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

(CCBD50) □ MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

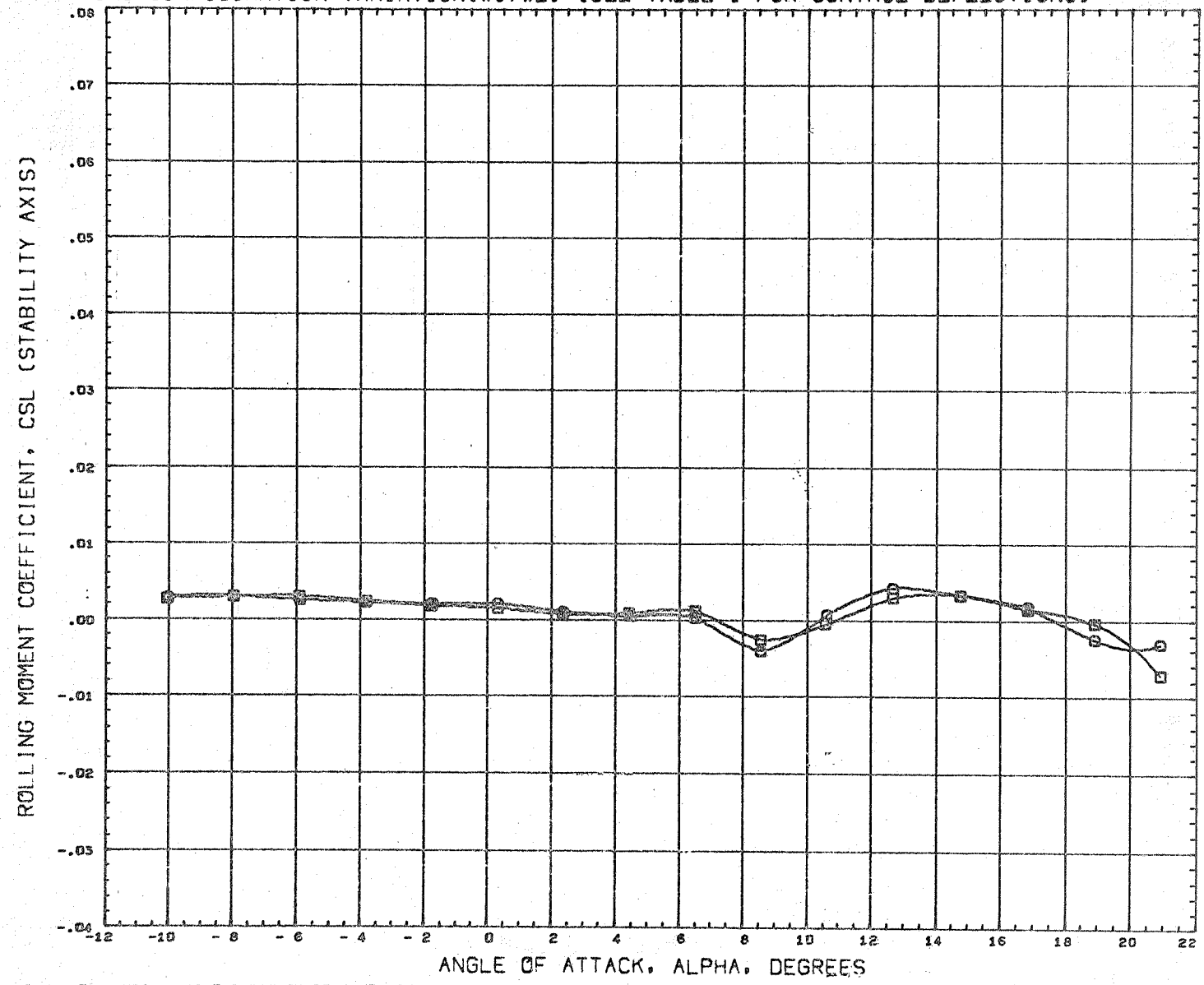
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD50)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

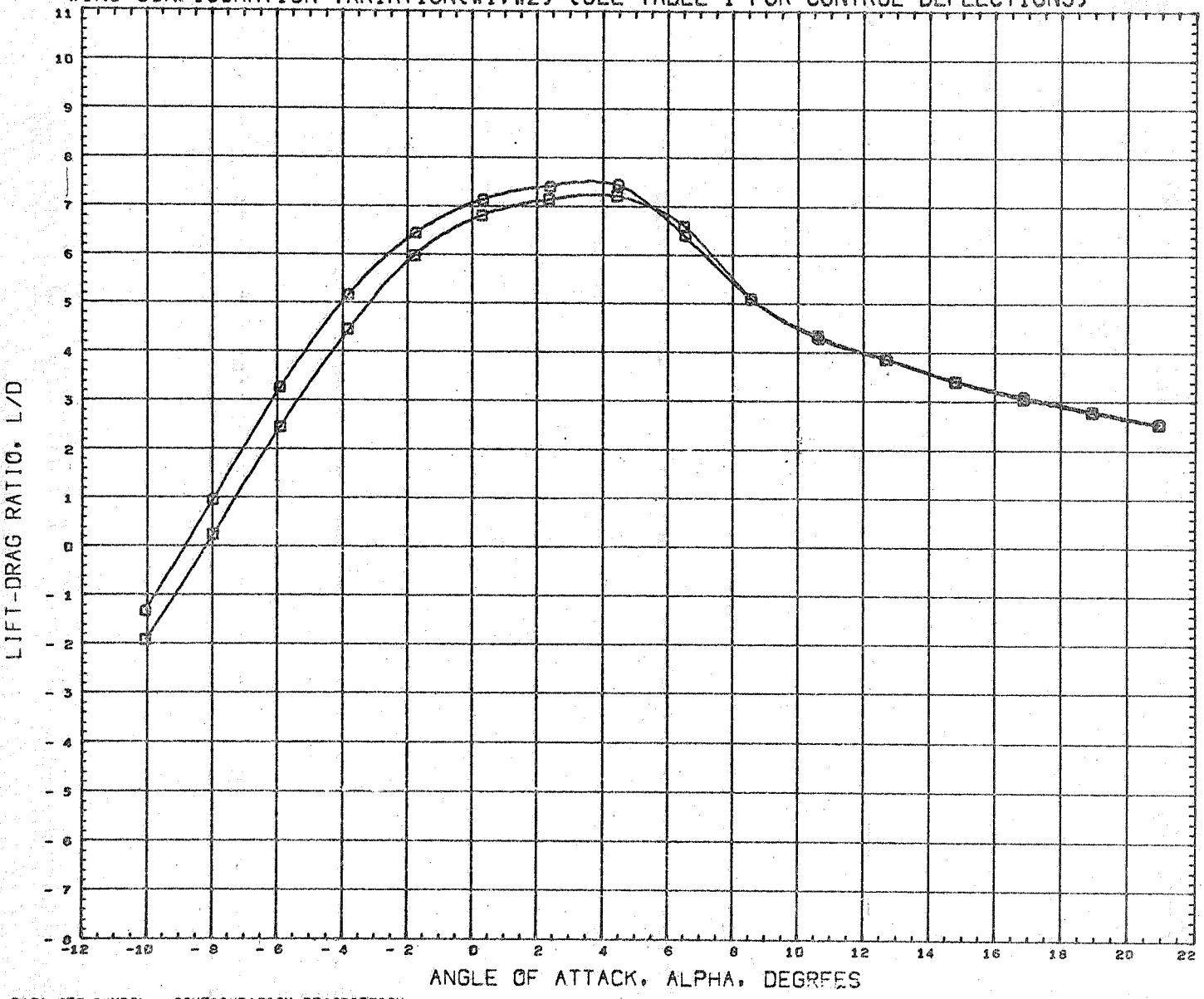
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD50)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

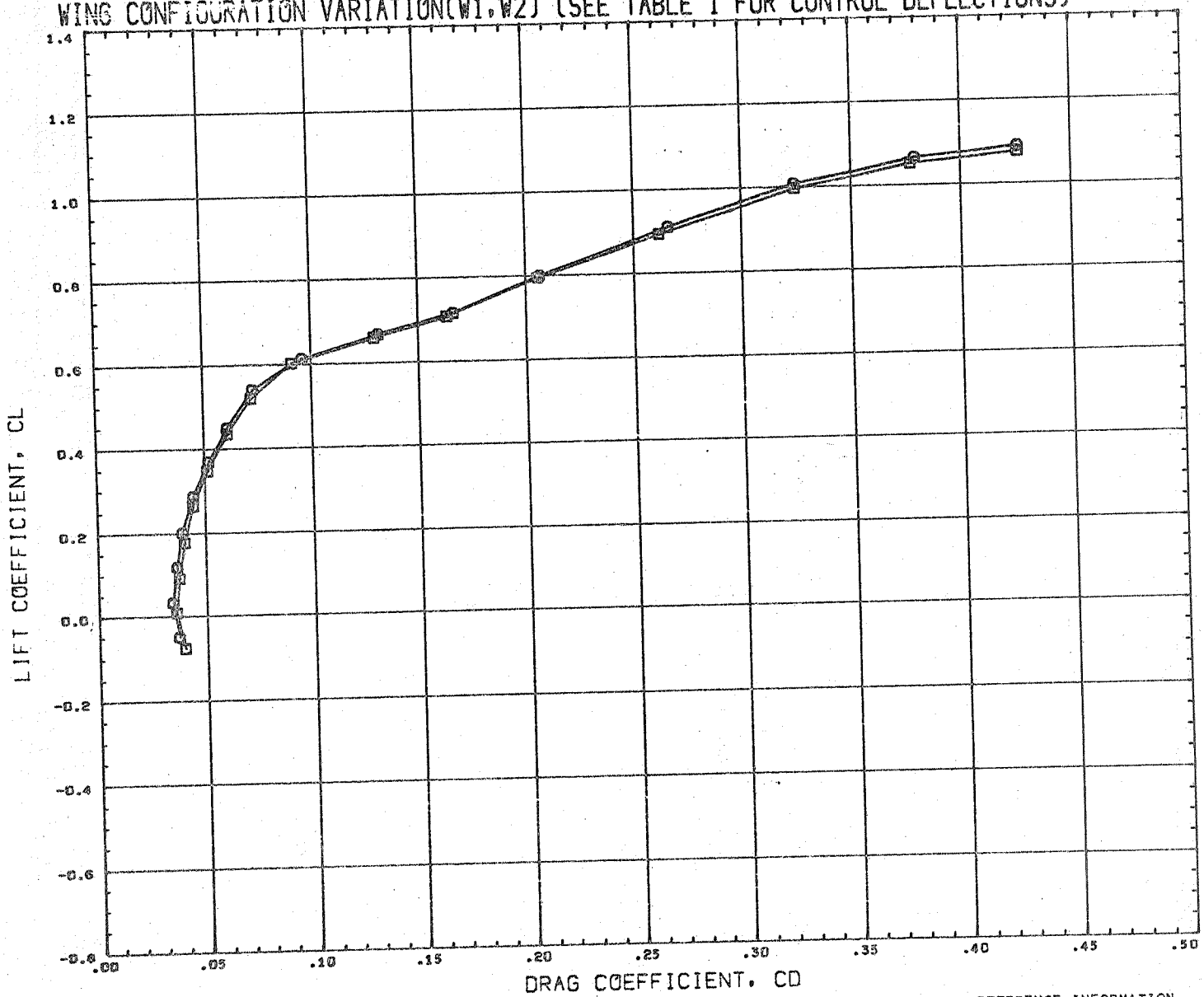
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCB020)	⊏	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD30)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

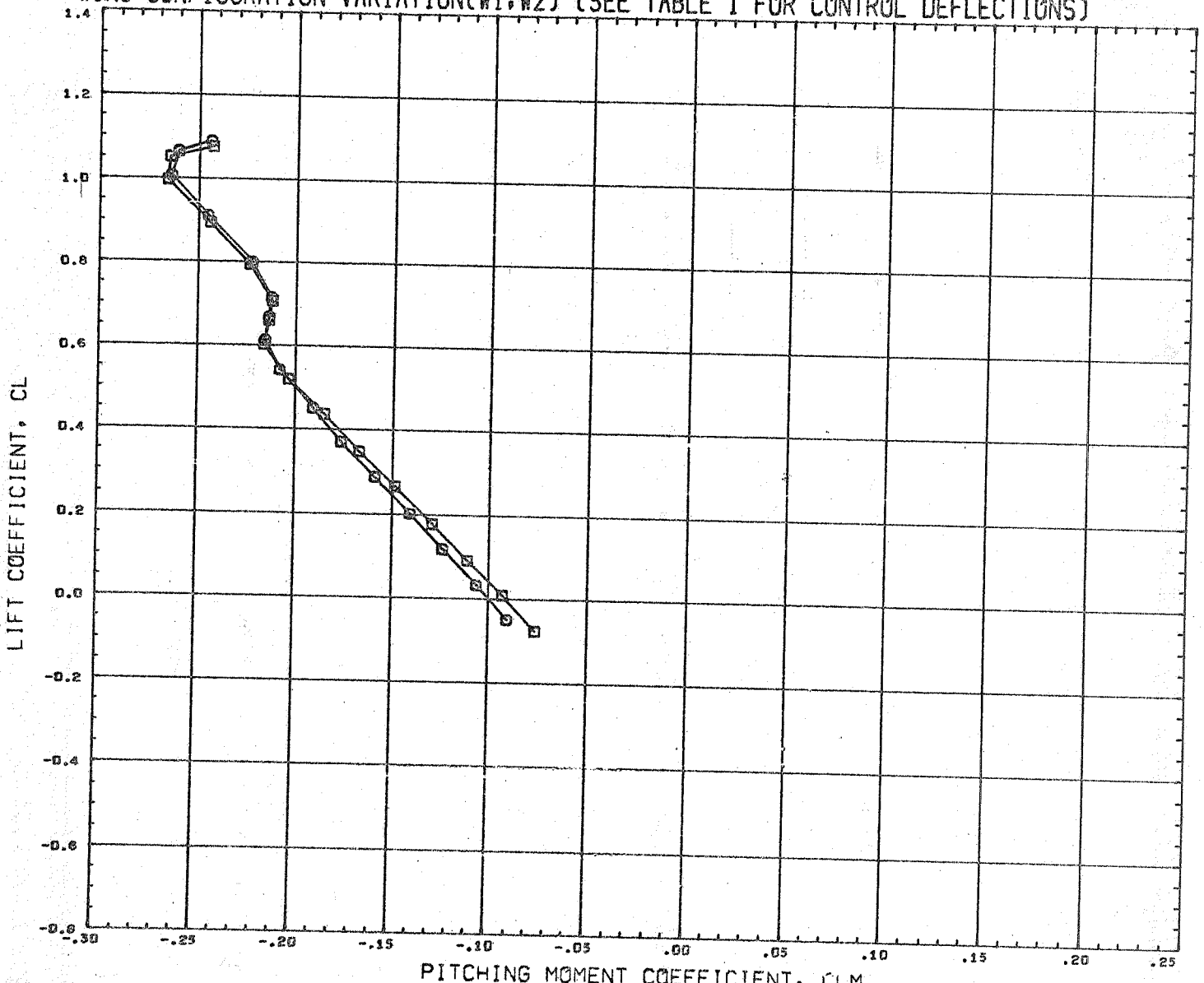
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DCB020) ○ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

(CCB050) □ MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

Q(PSF) 40.000

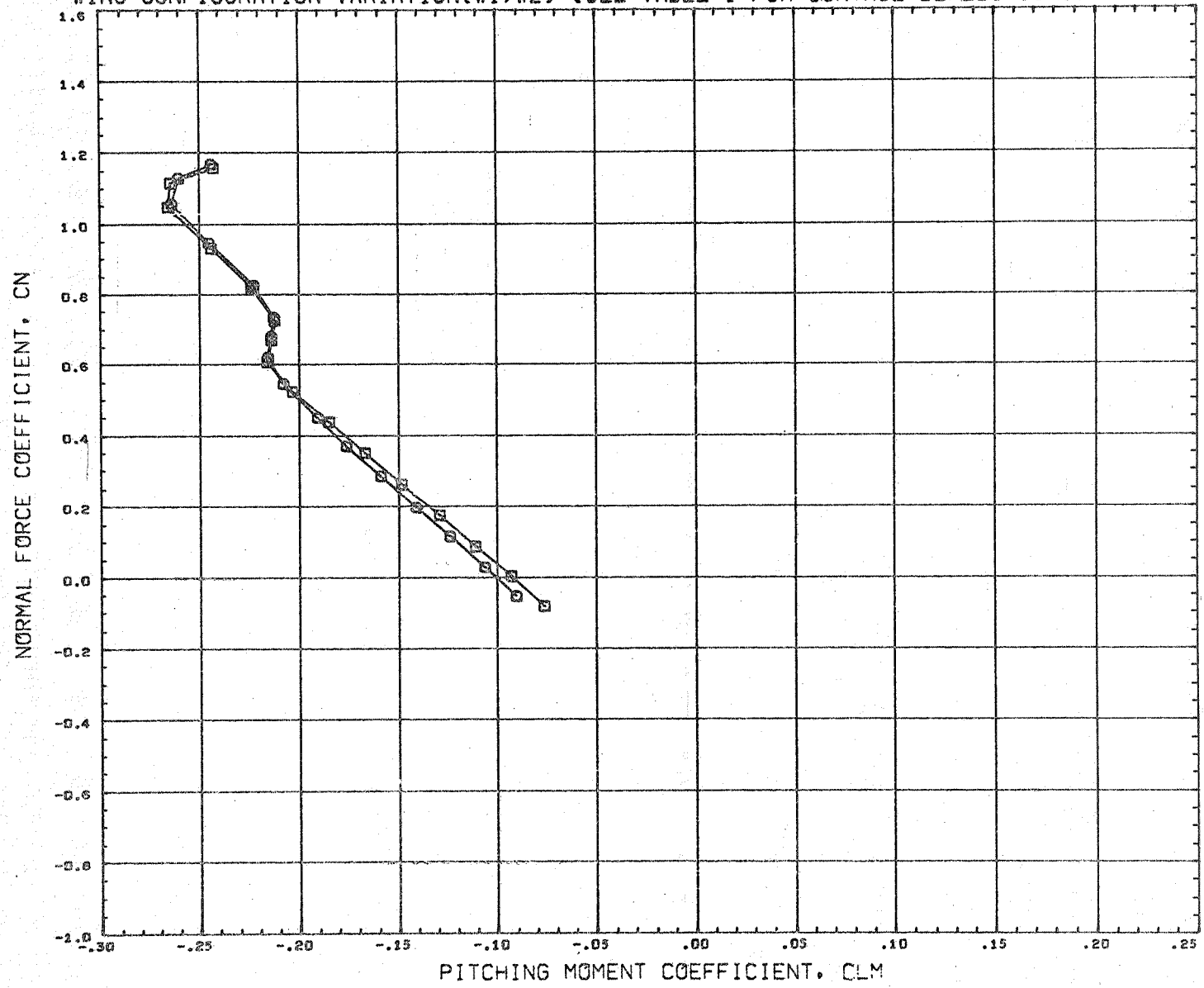
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

WING CONFIGURATION VARIATION(W1,W2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(0CB020)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCB050)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W2V1

PARAMETRIC VALUES

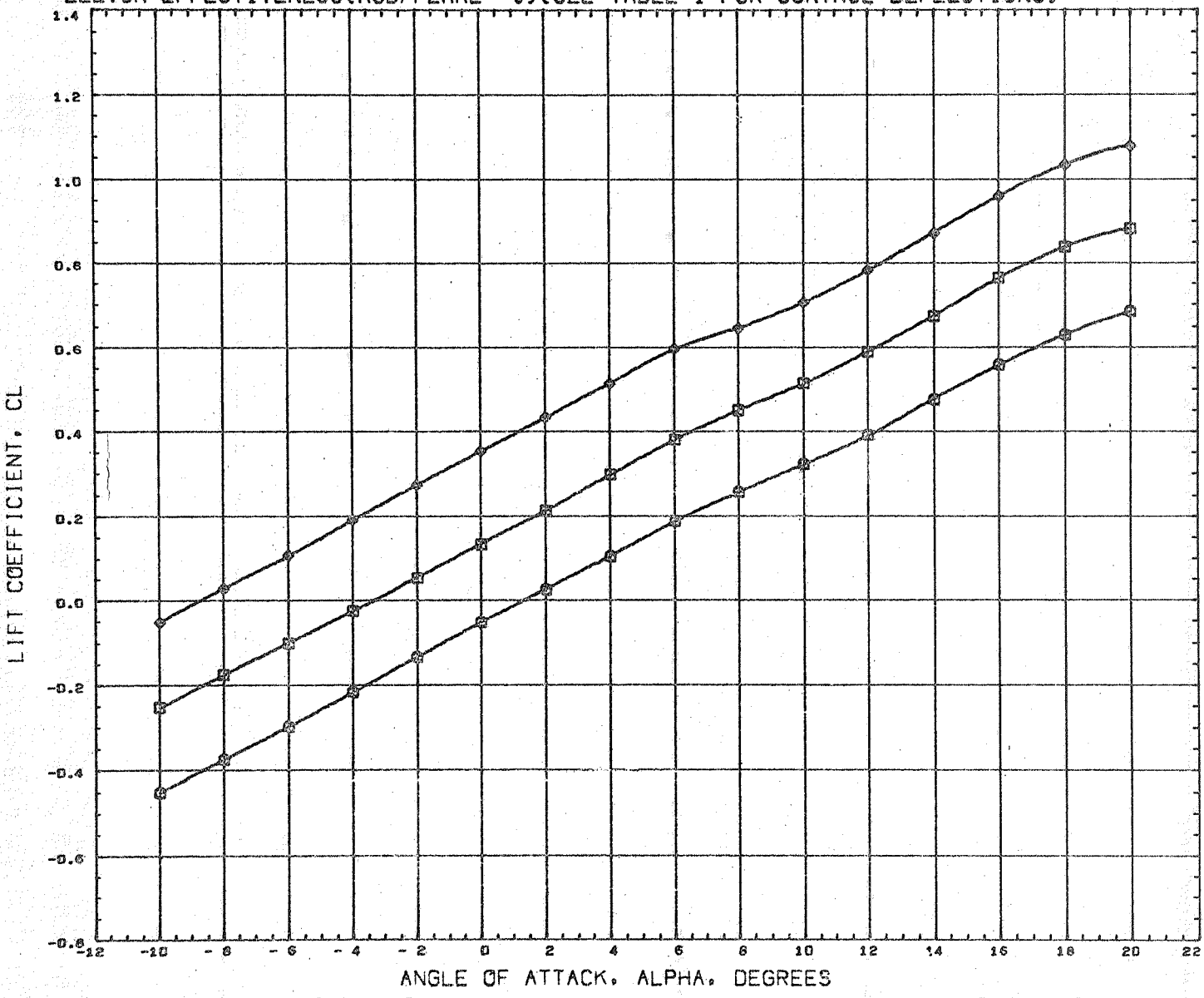
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

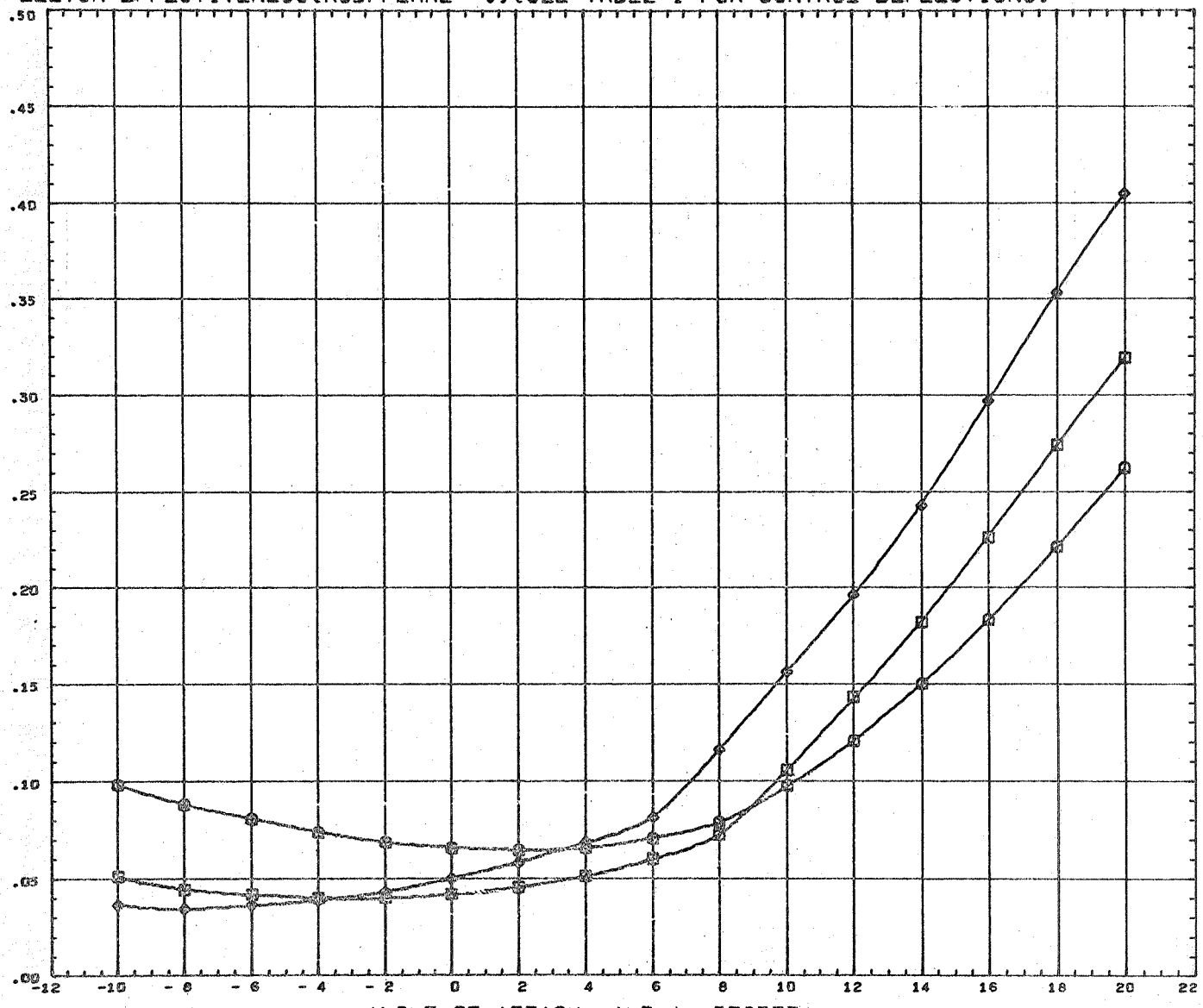


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

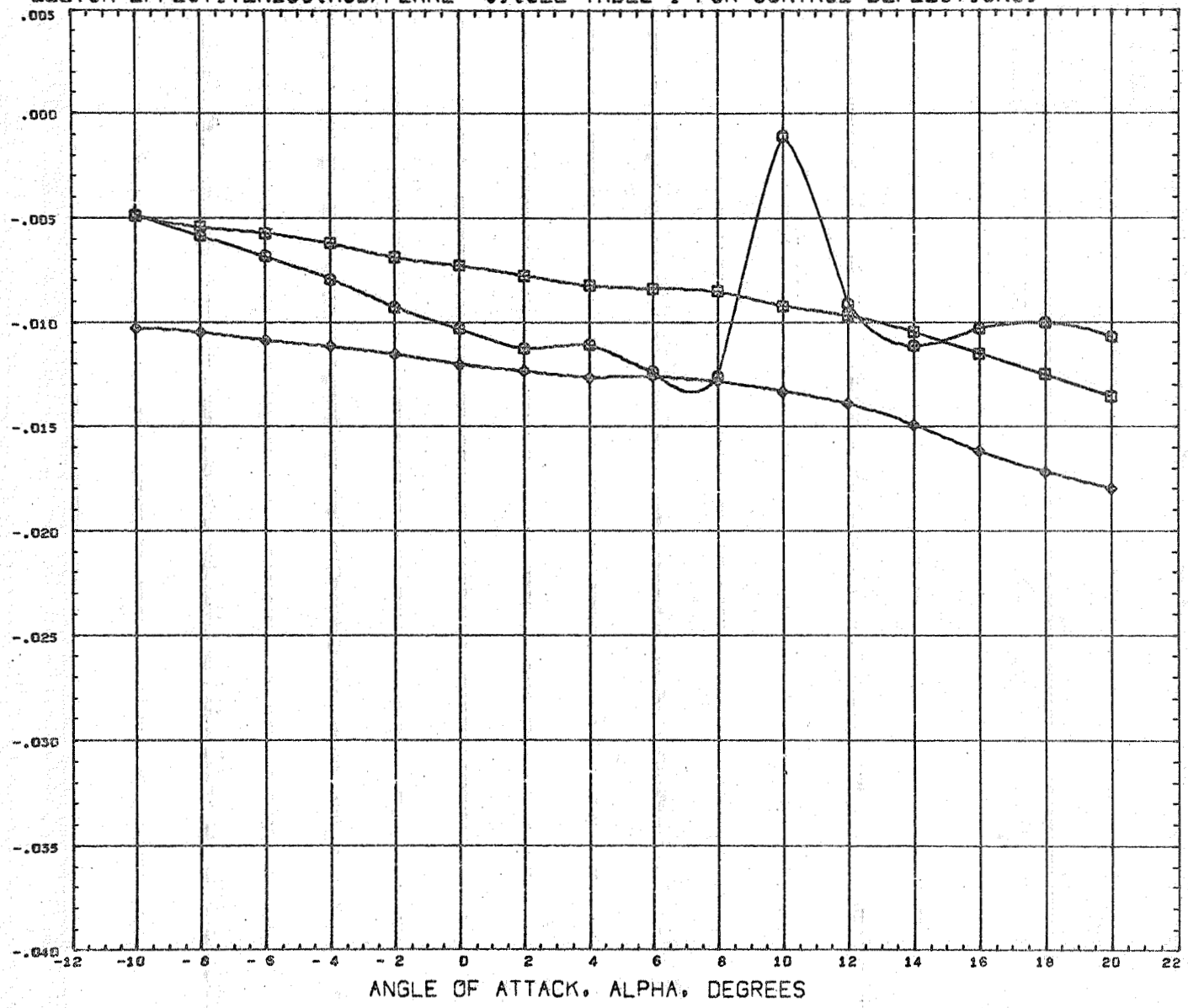


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

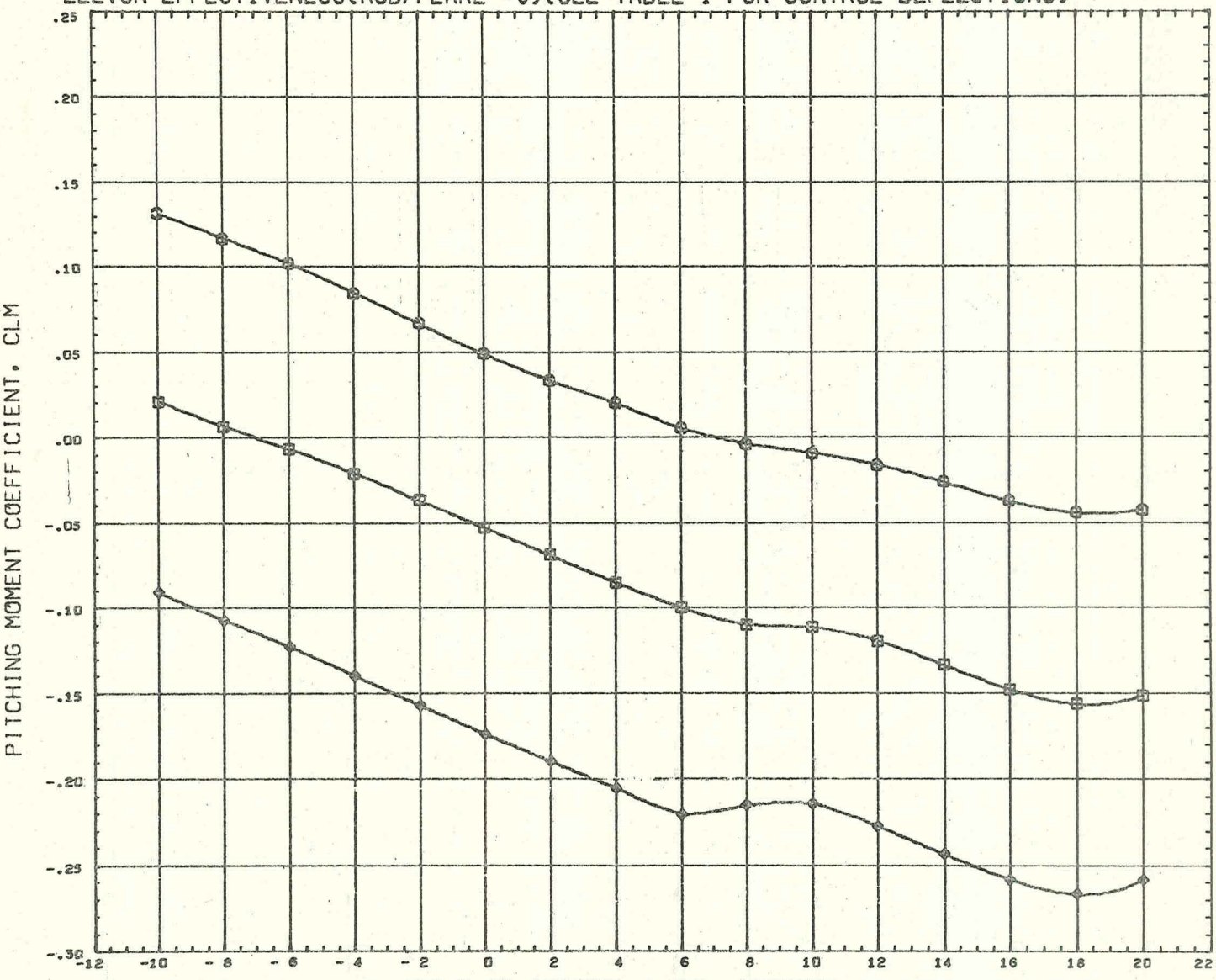


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



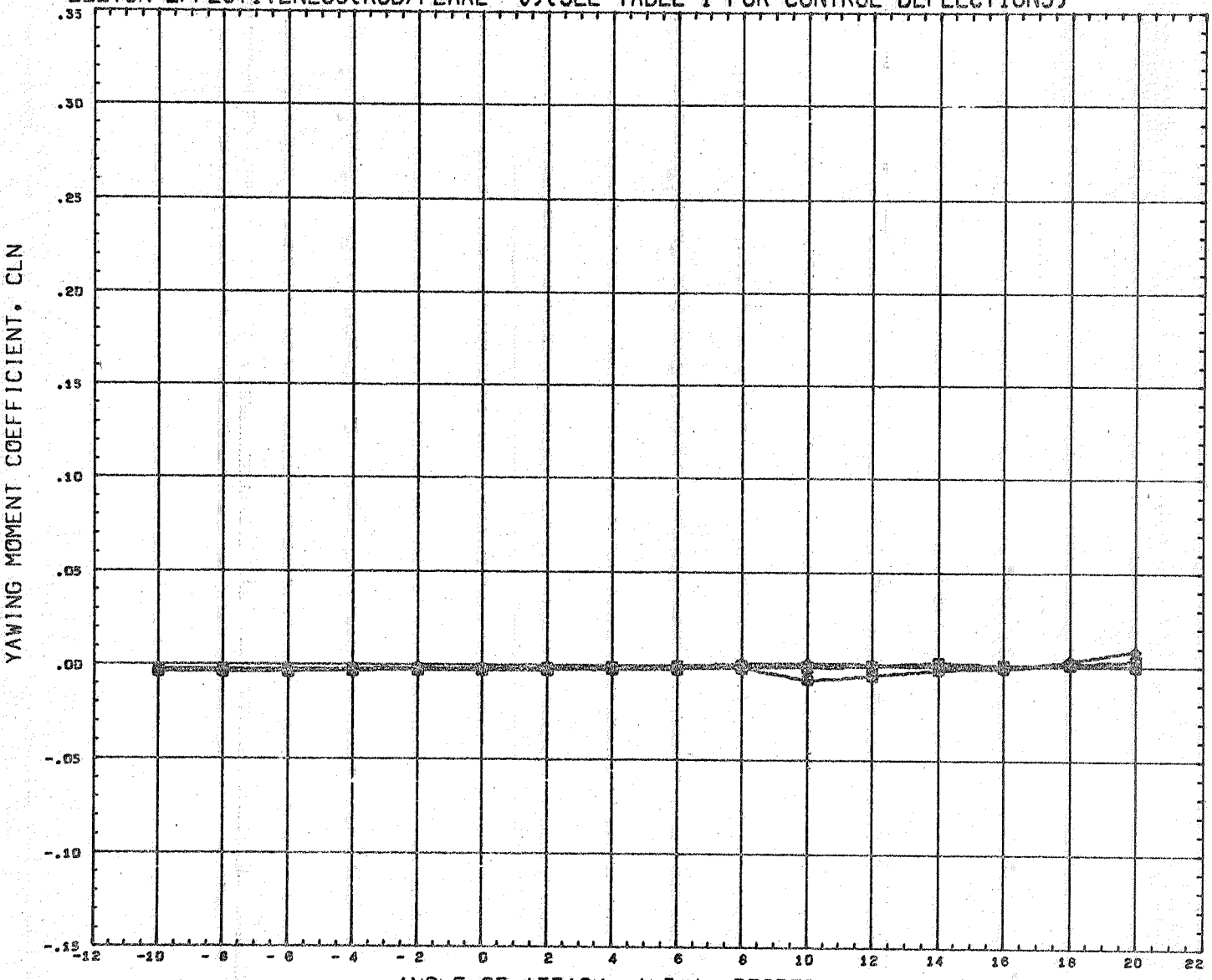
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



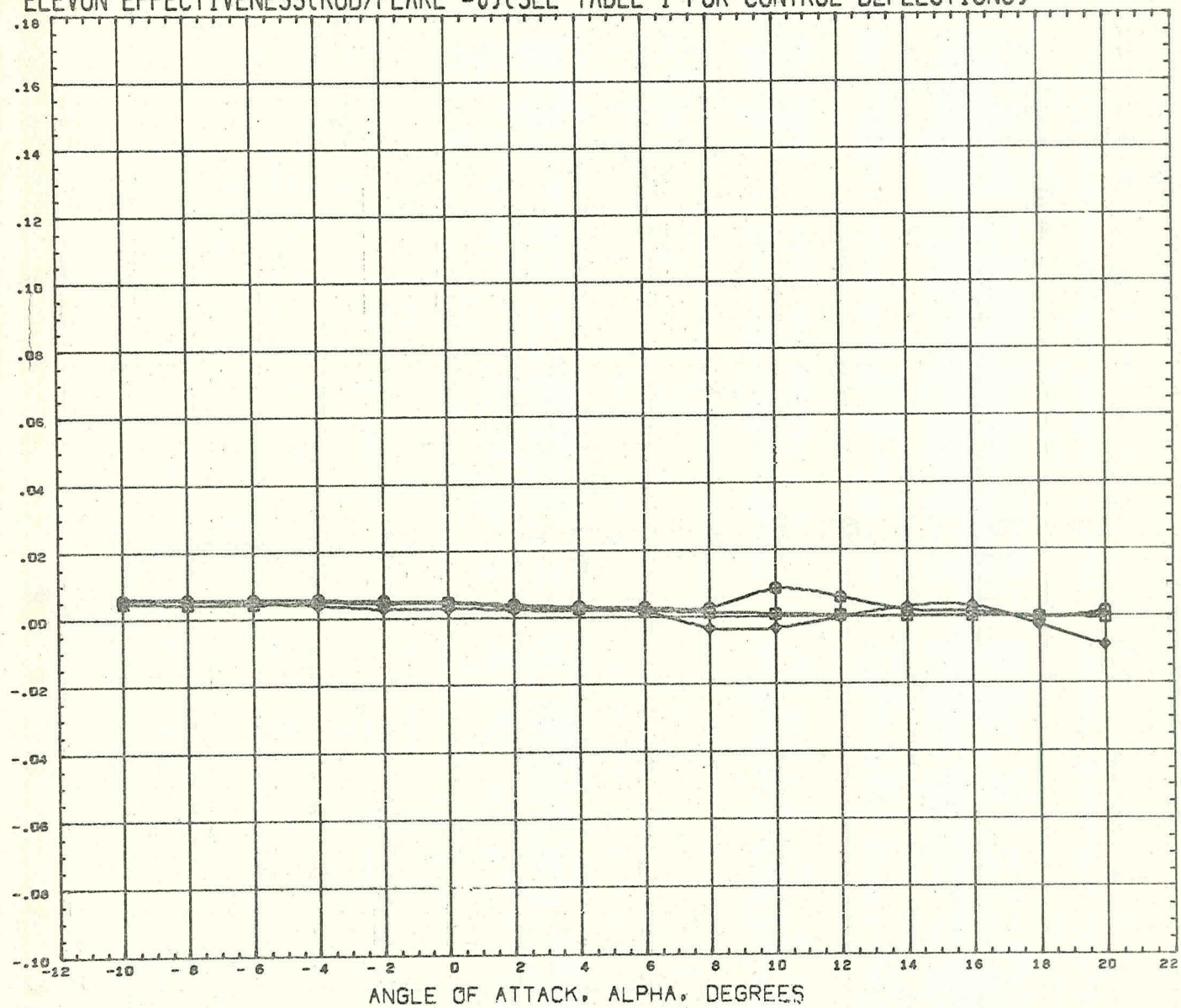
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



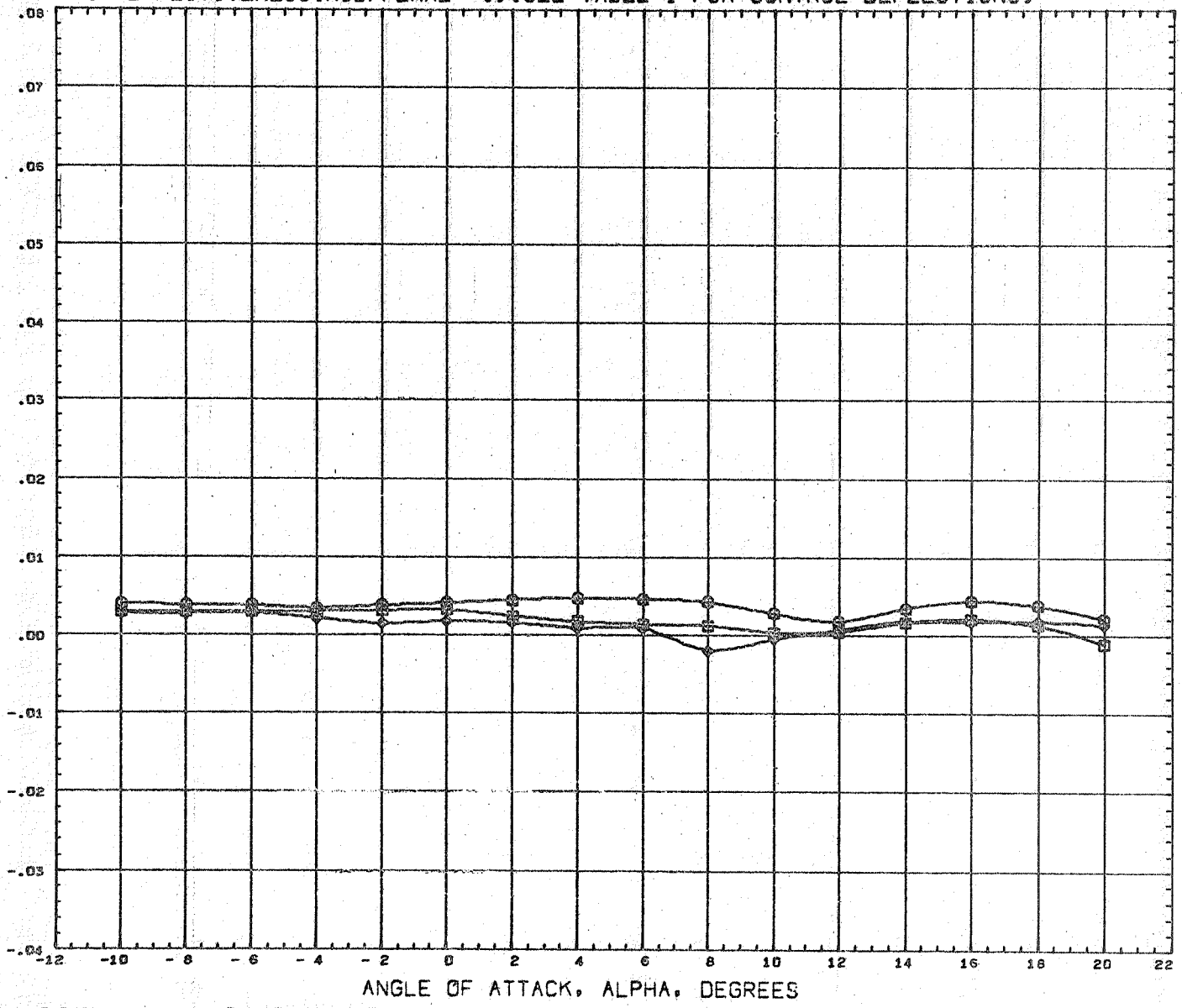
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



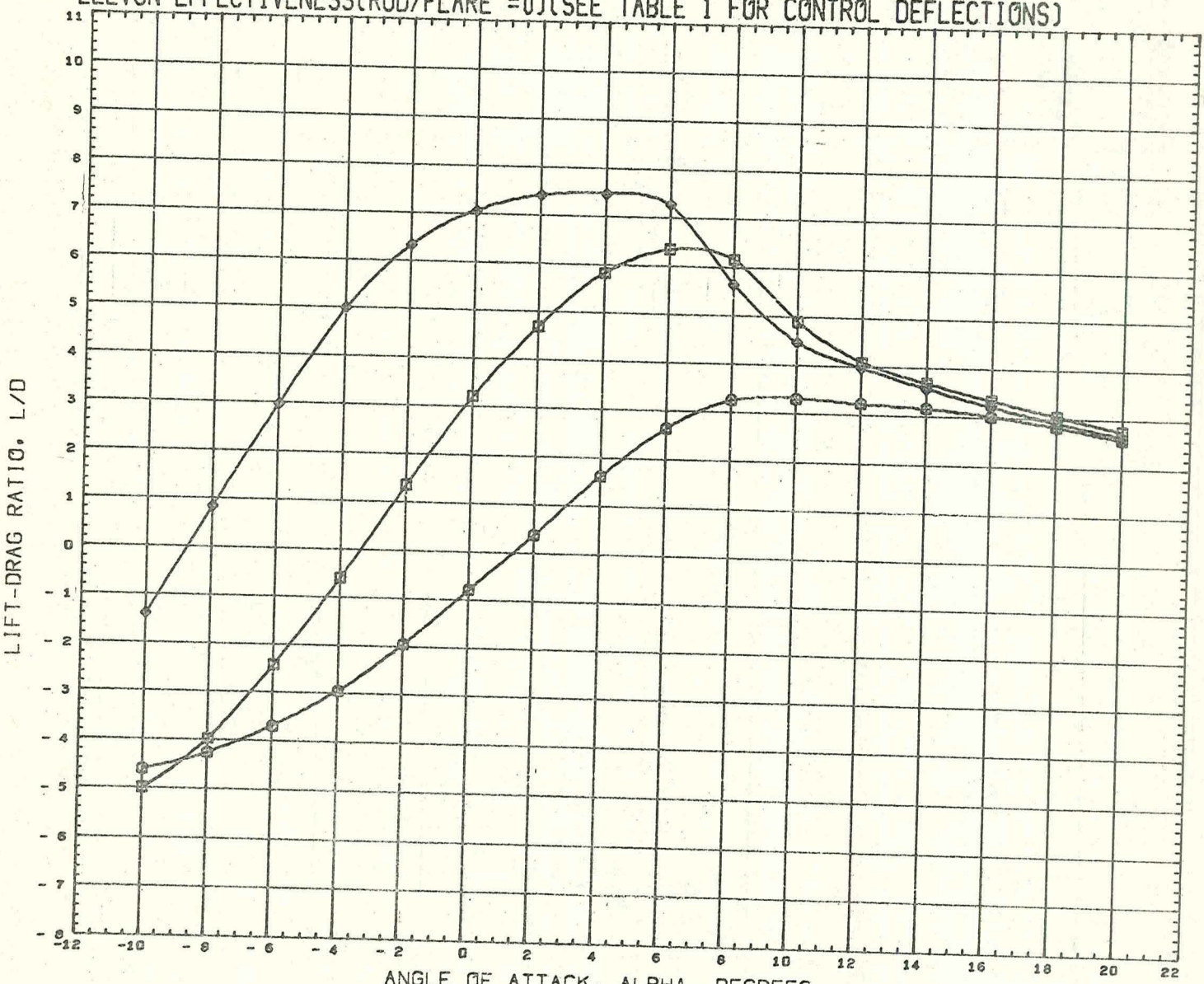
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



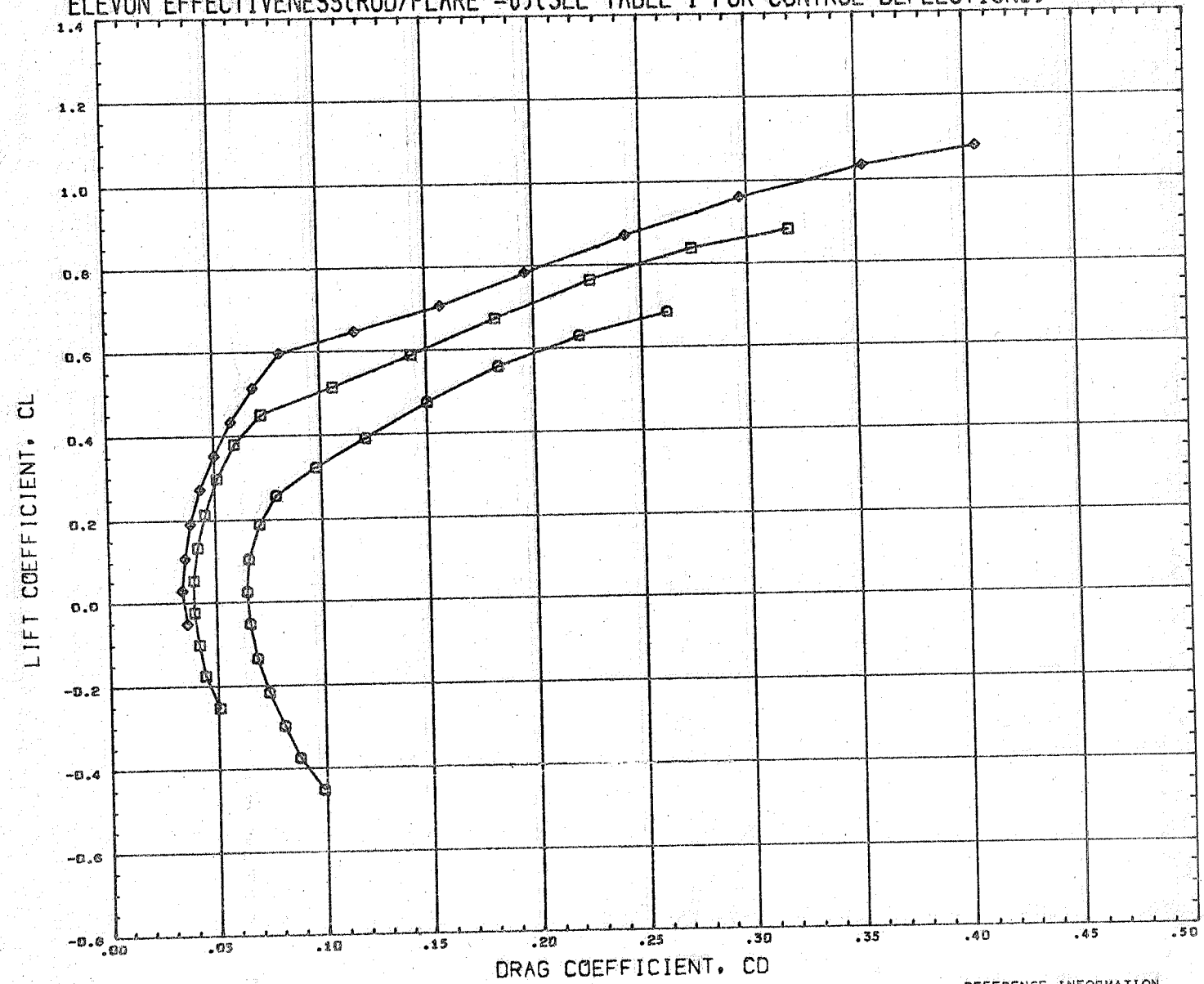
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



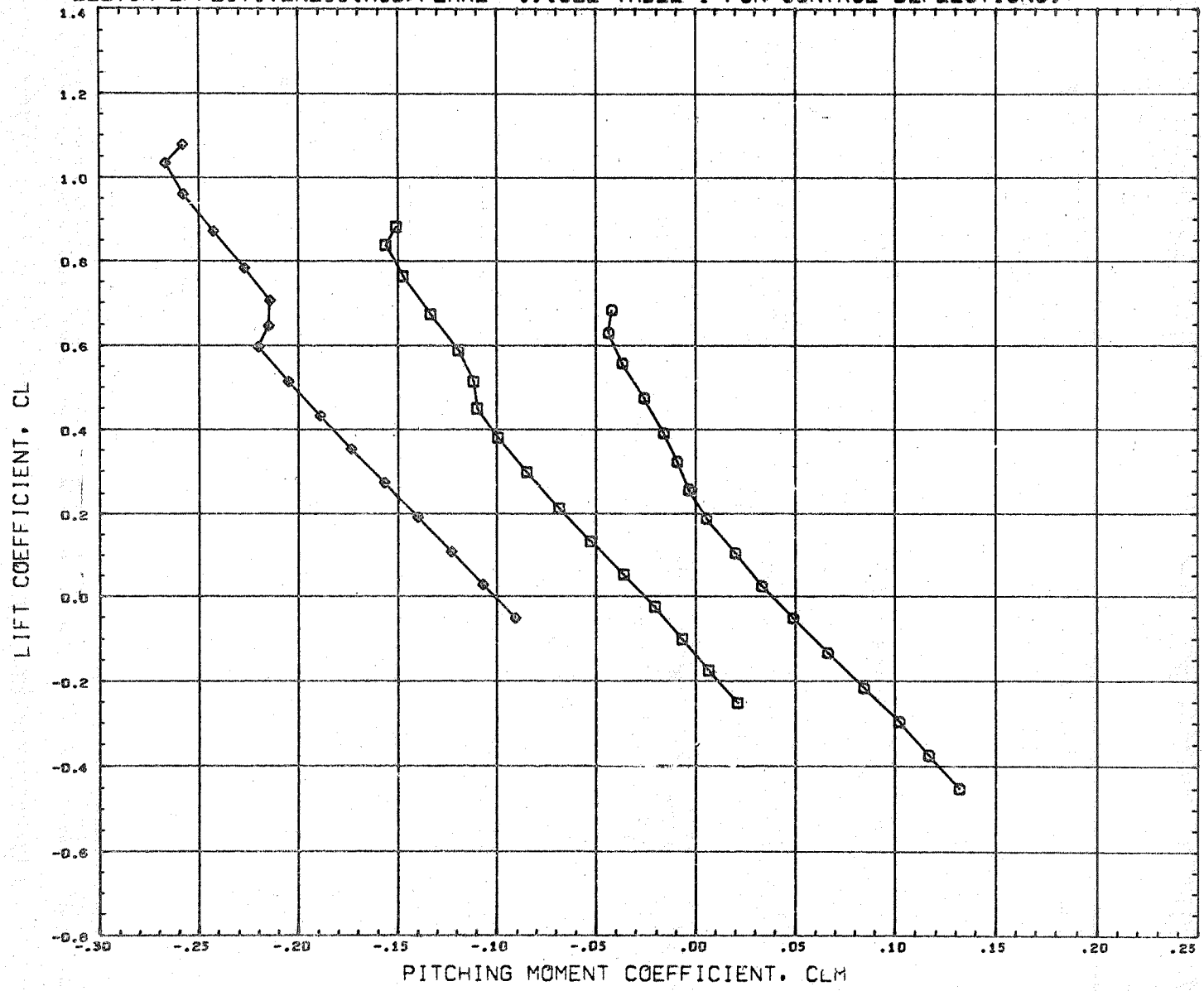
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*EIF

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

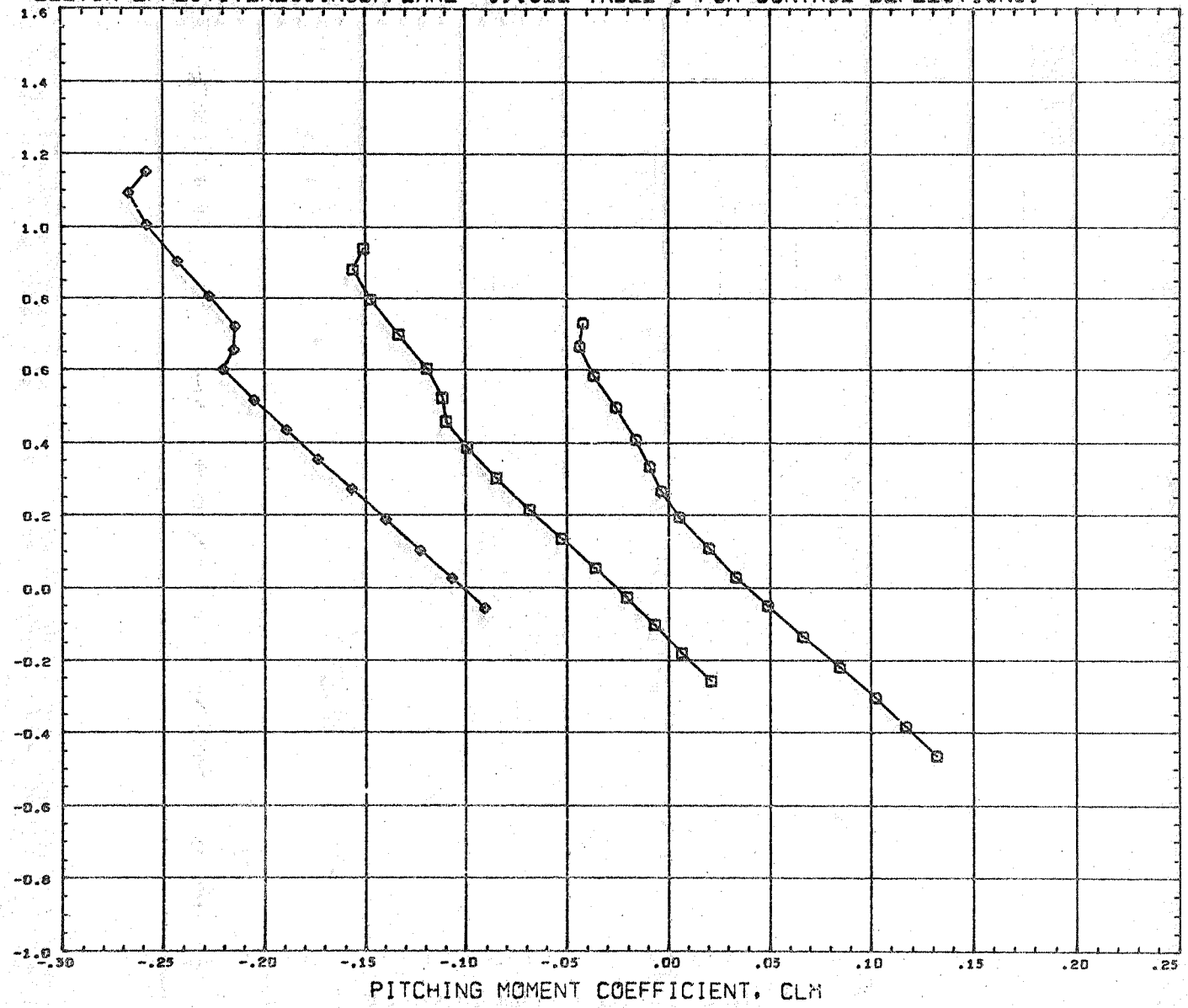


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

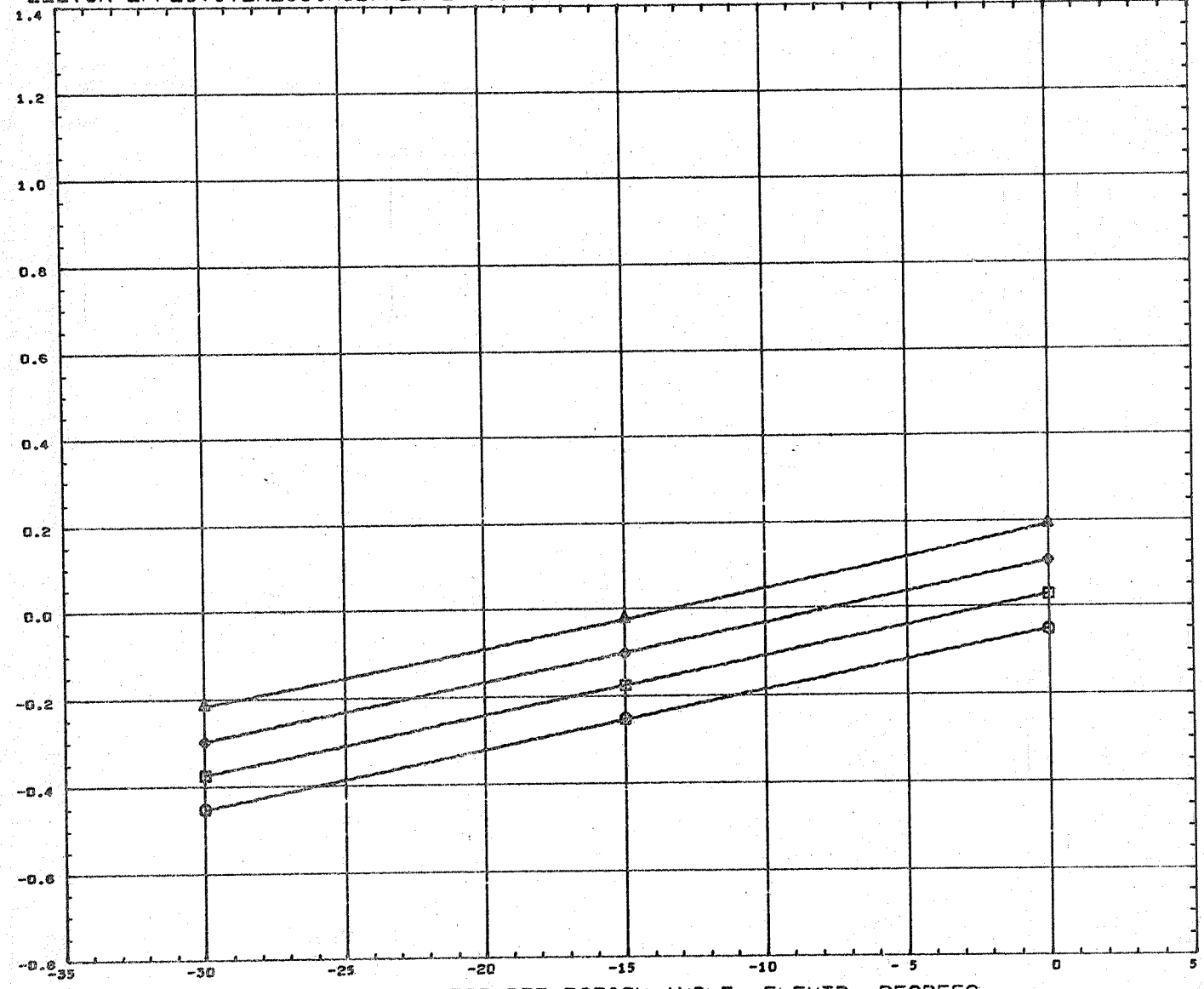


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	100.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	0.000
◇	0.000	RUDDFL	0.000		

DATA MIST. CODE V≠EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



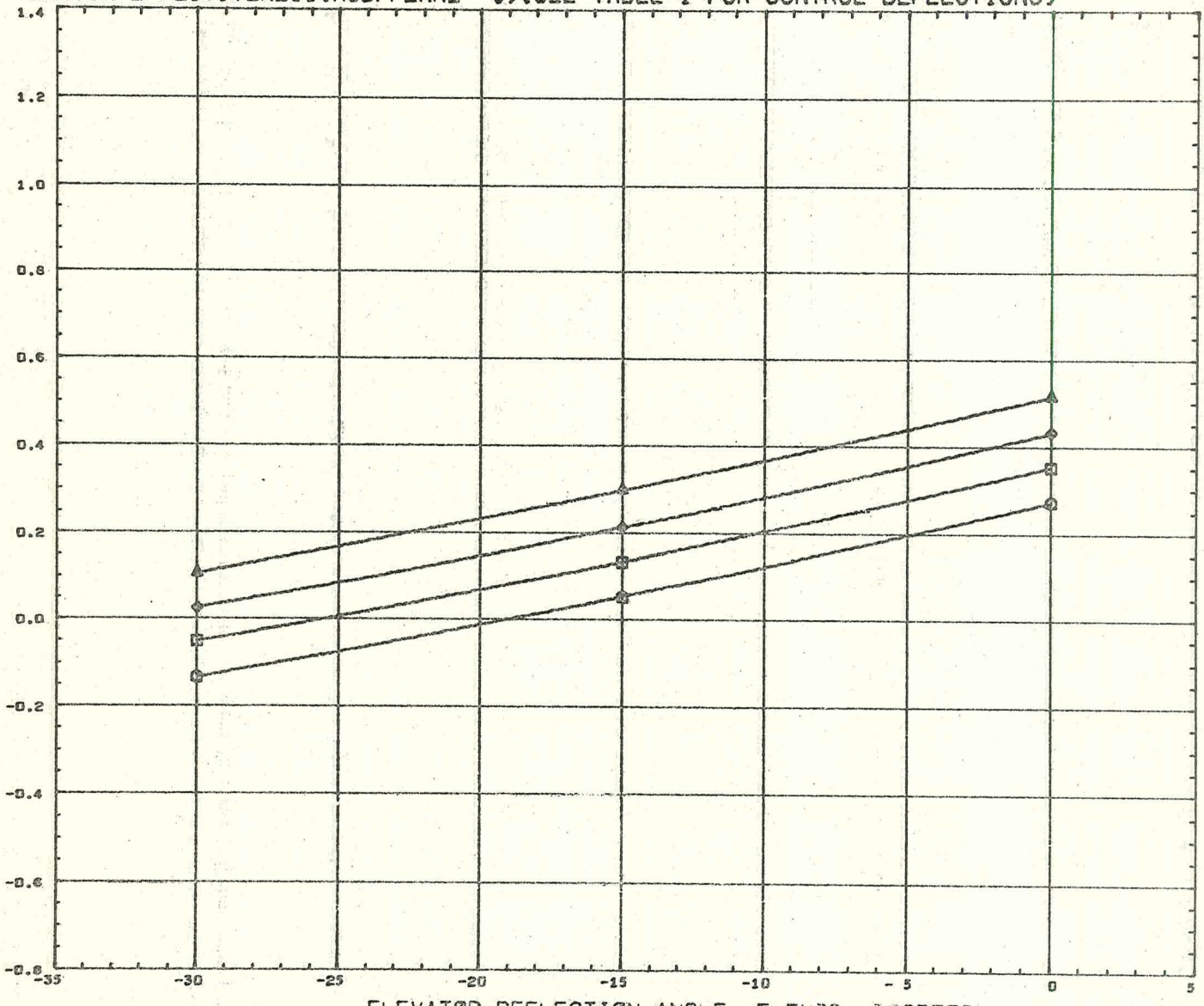
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(FSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



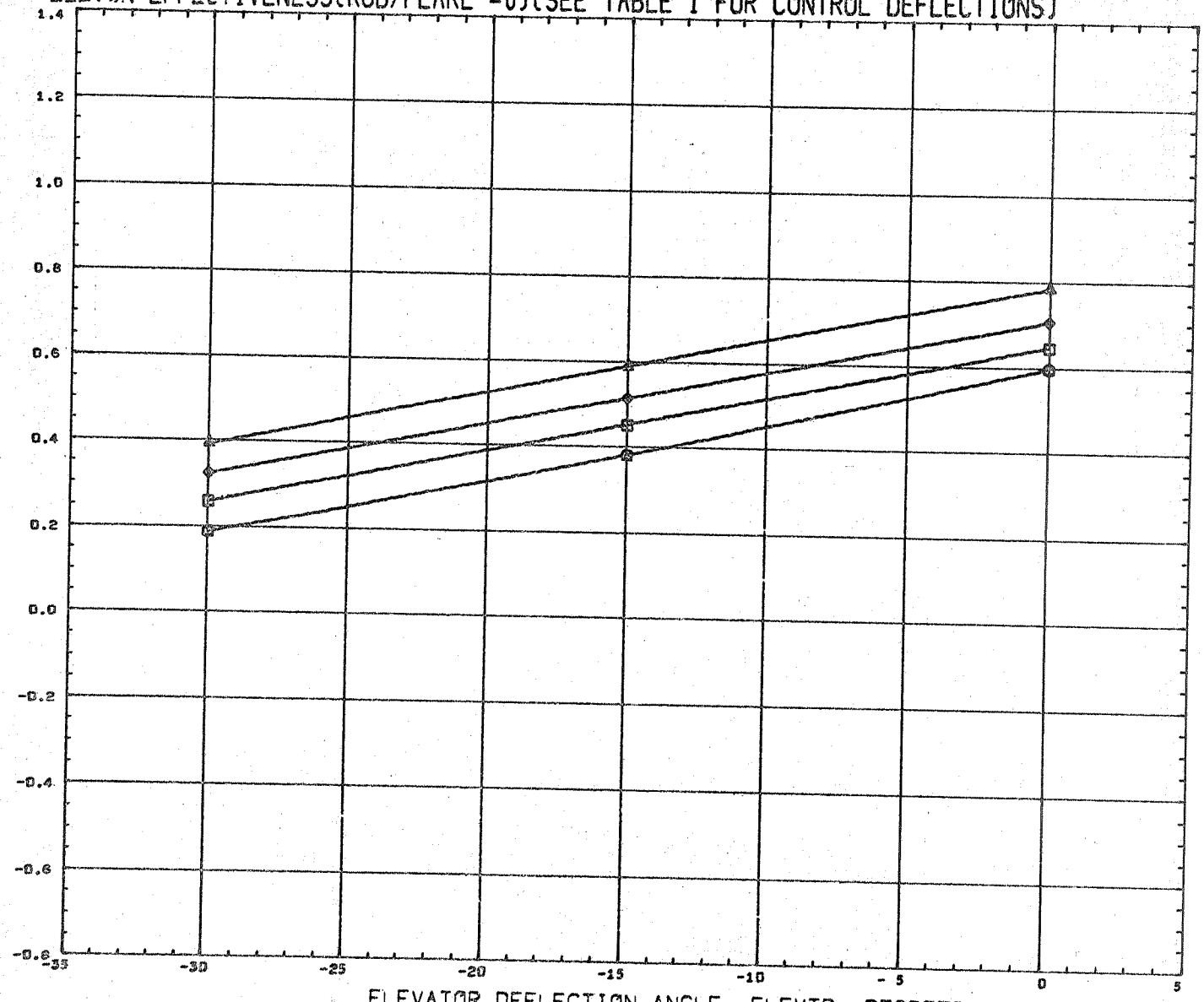
SYMBOL	ALFHA		PARAMETRIC VALUES		
○	2.000	@(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

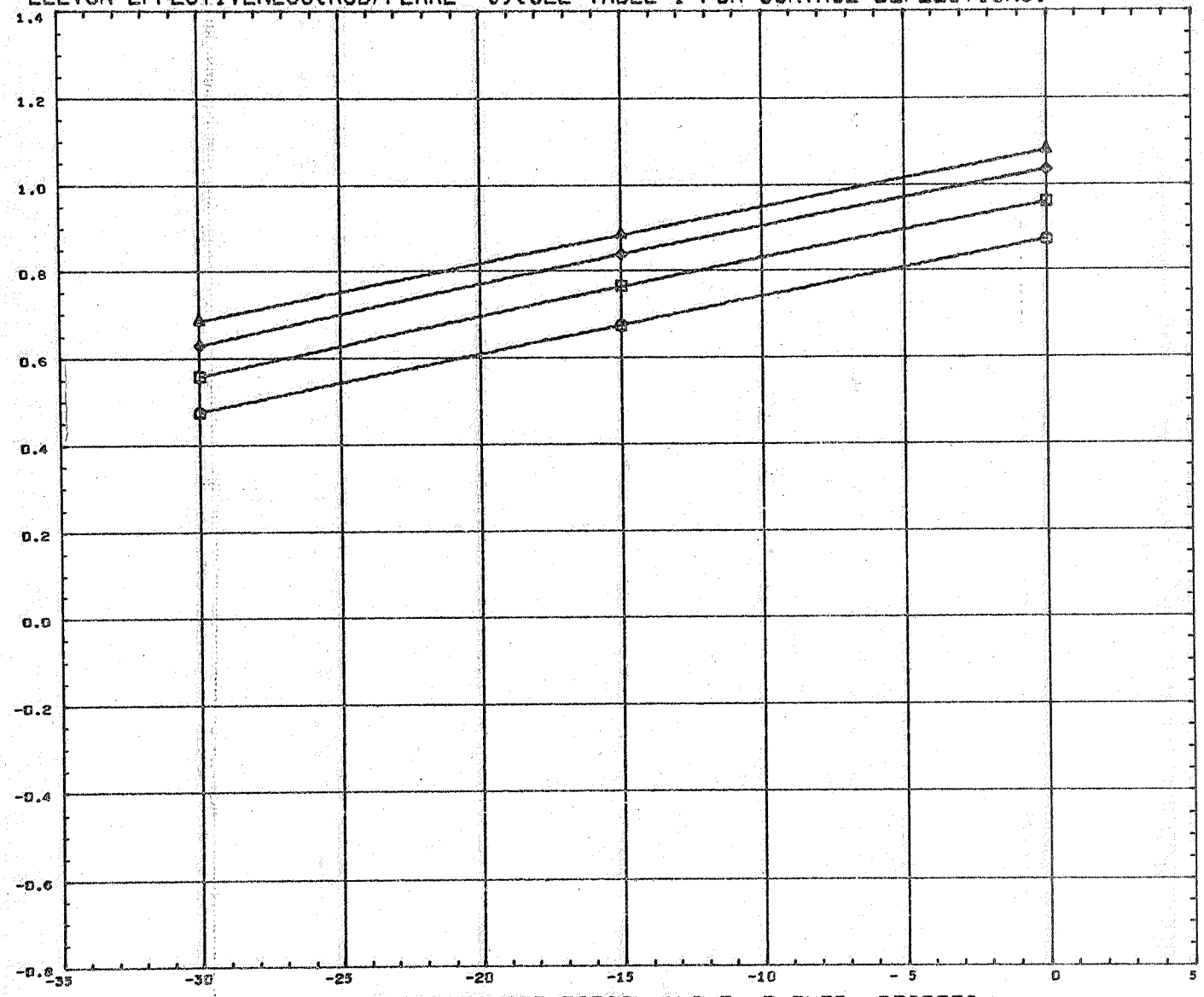
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



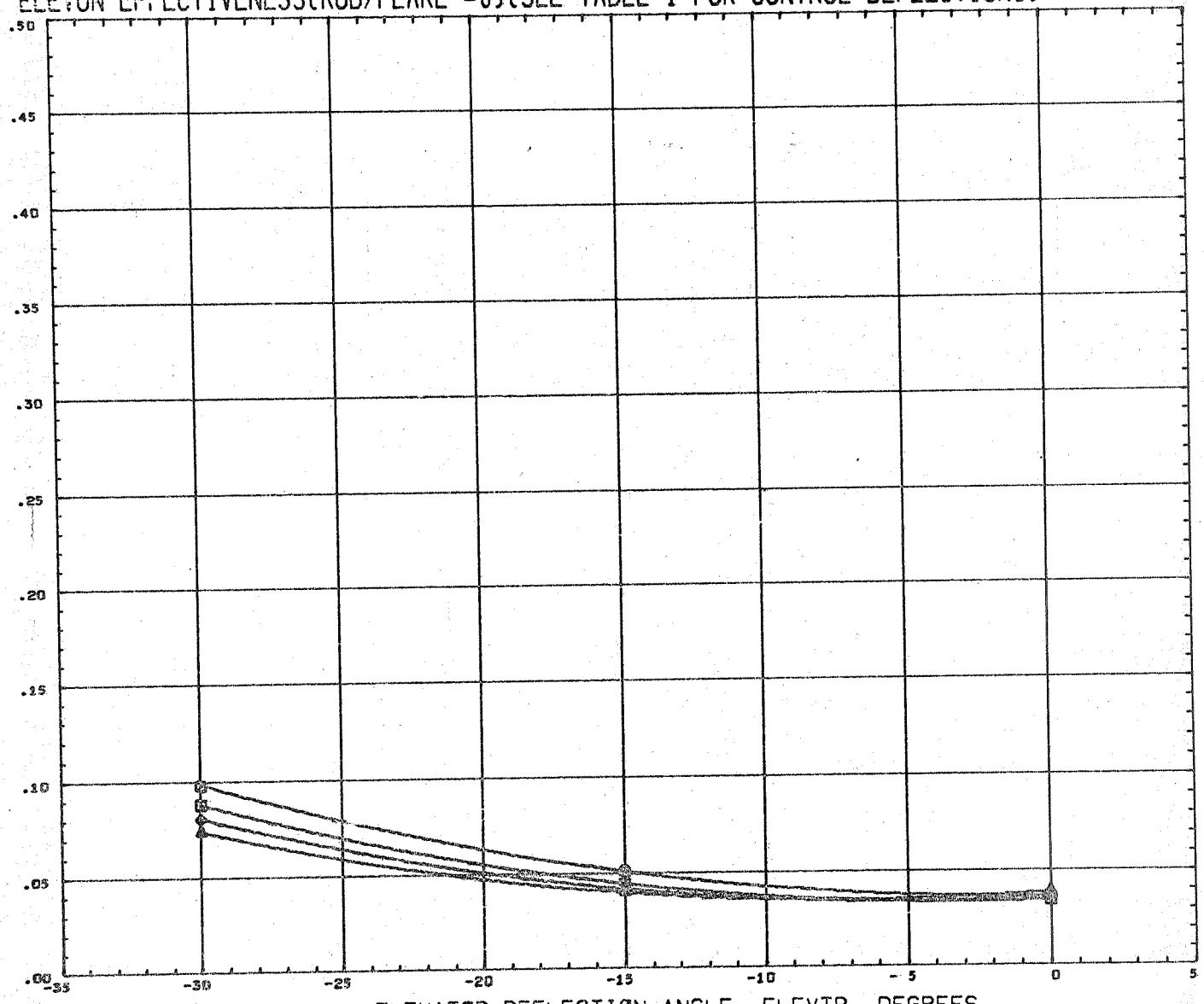
SYMBOL	ALPHA		PARAMETRIC VALUES		
□	14.000	Q(FSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



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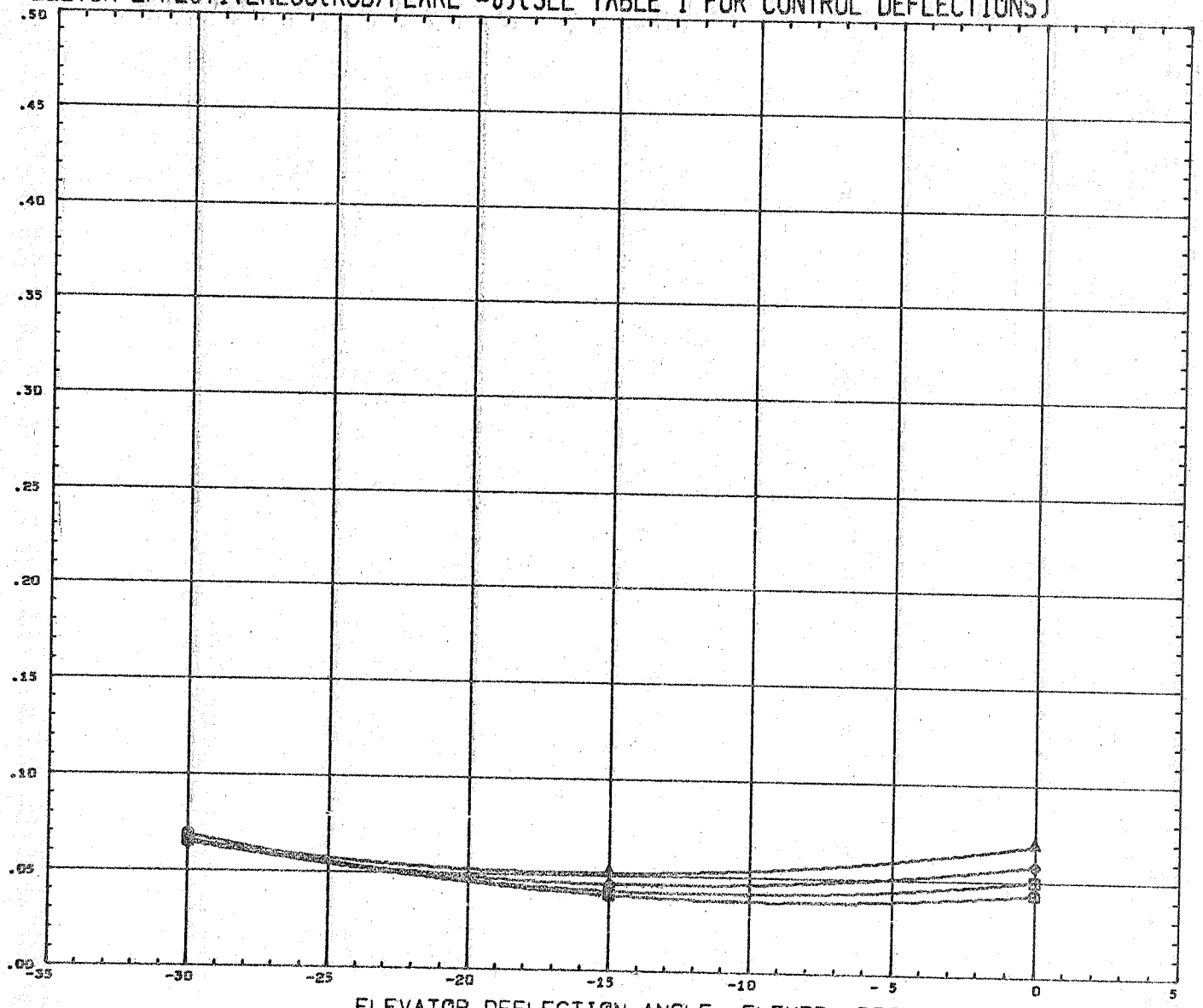
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



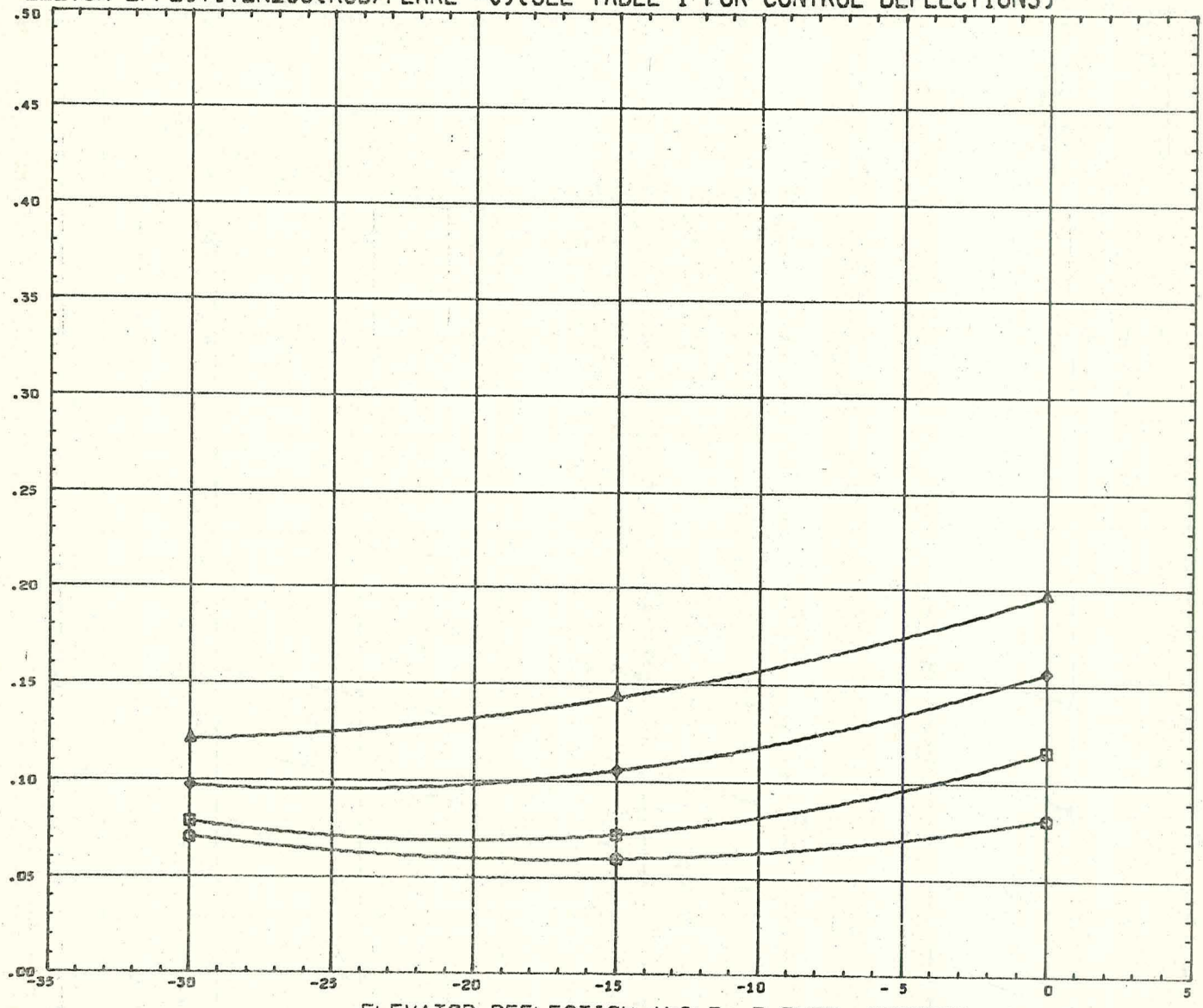
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

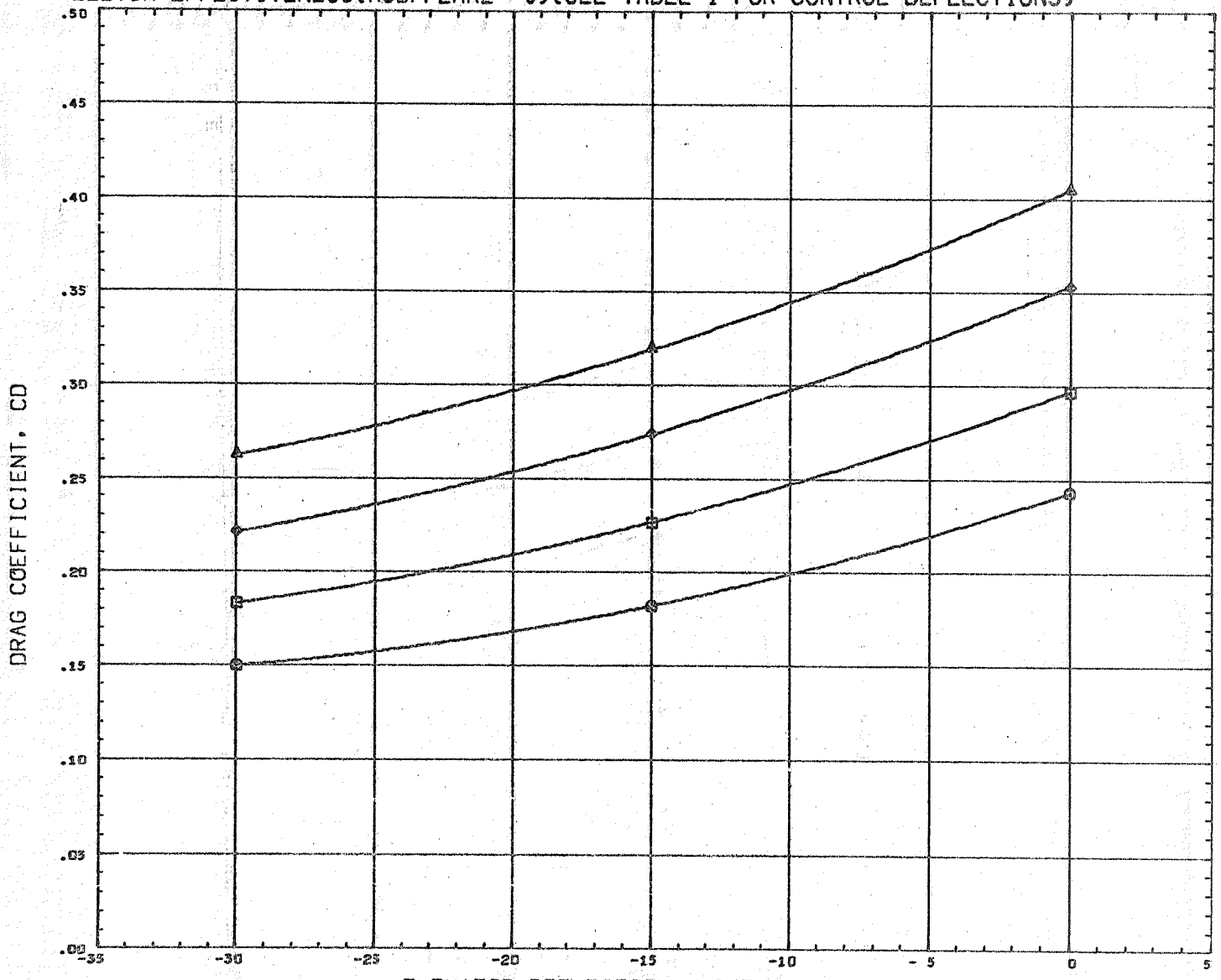
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*EIF

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



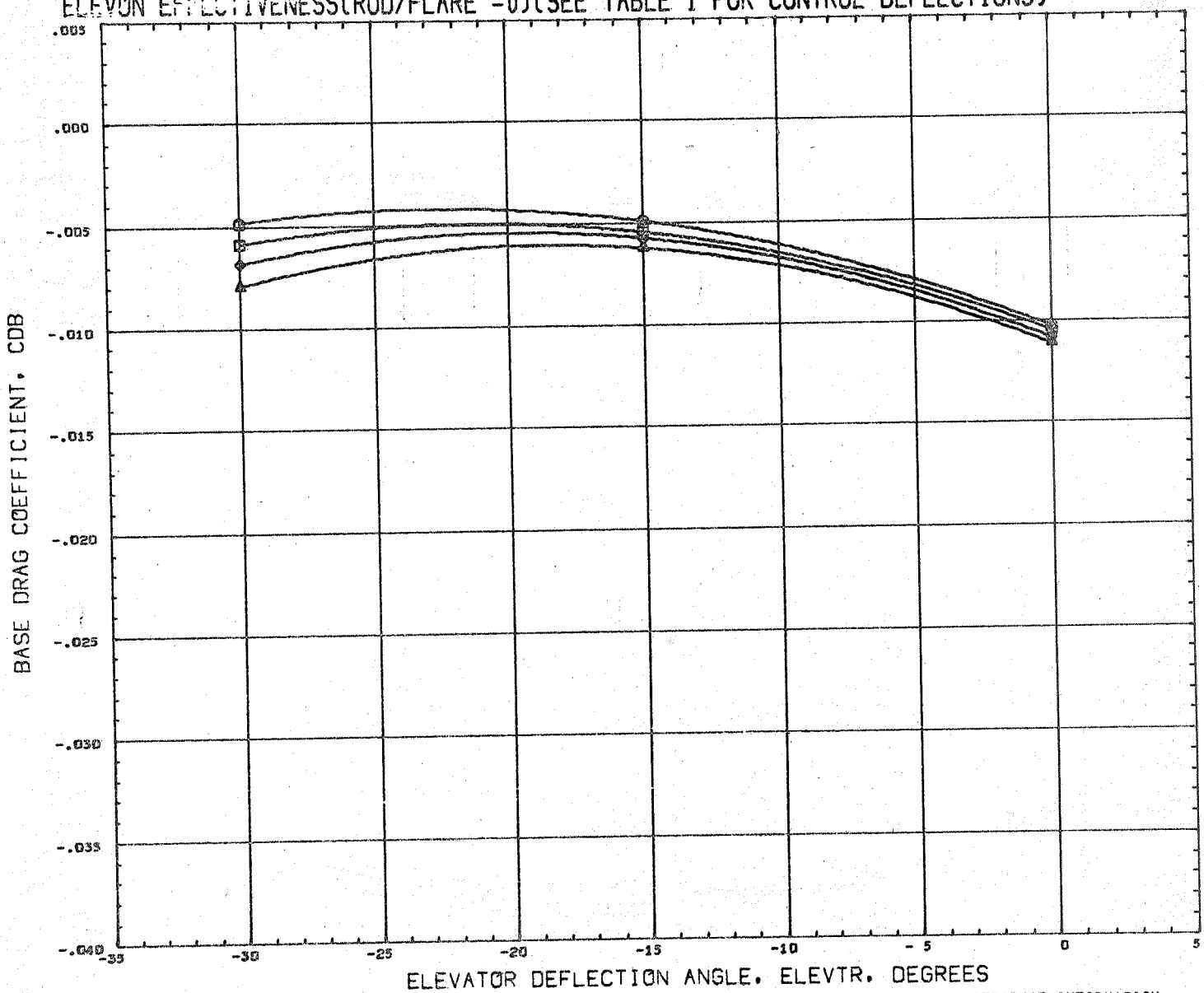
SYMBOL	ALFHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



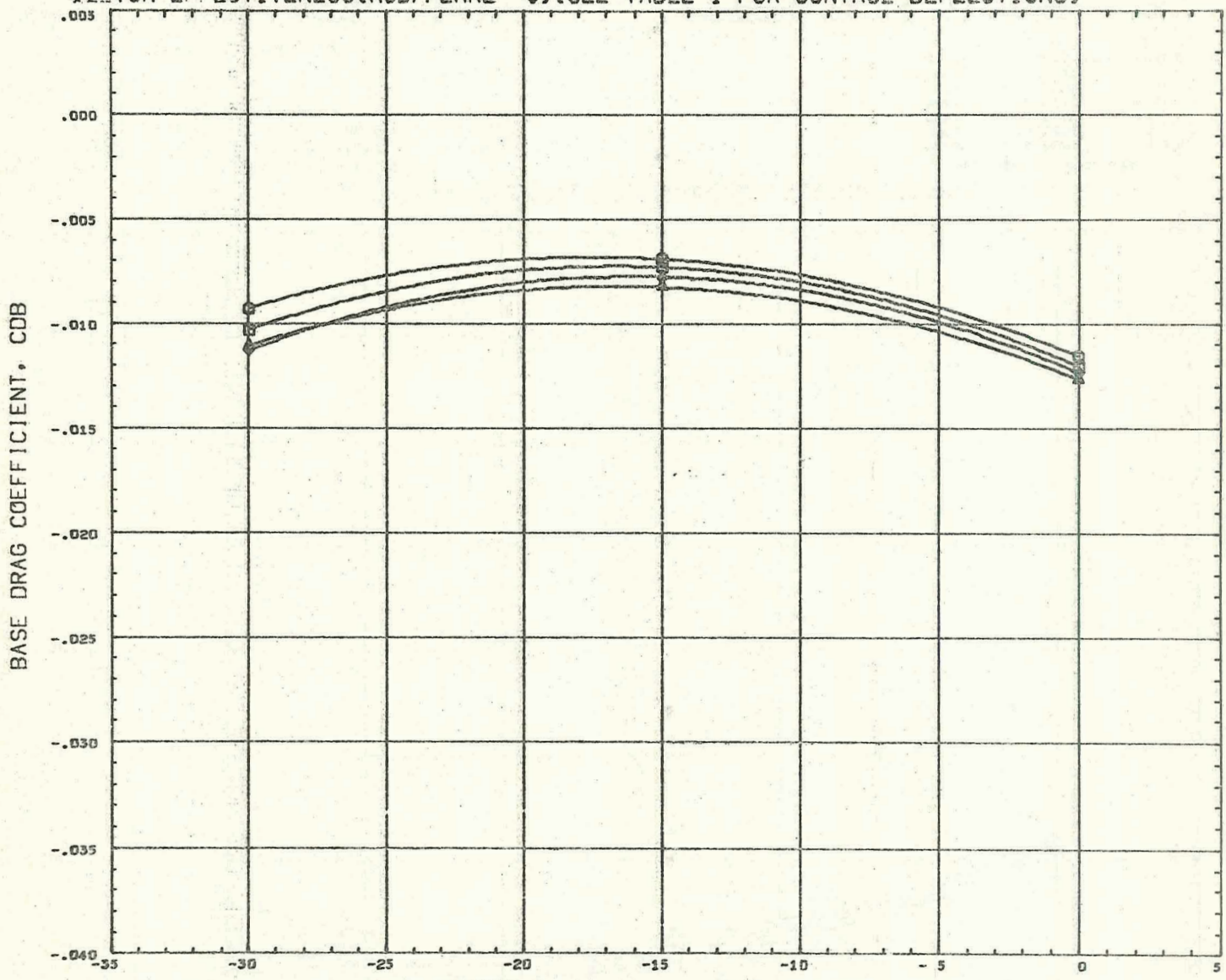
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



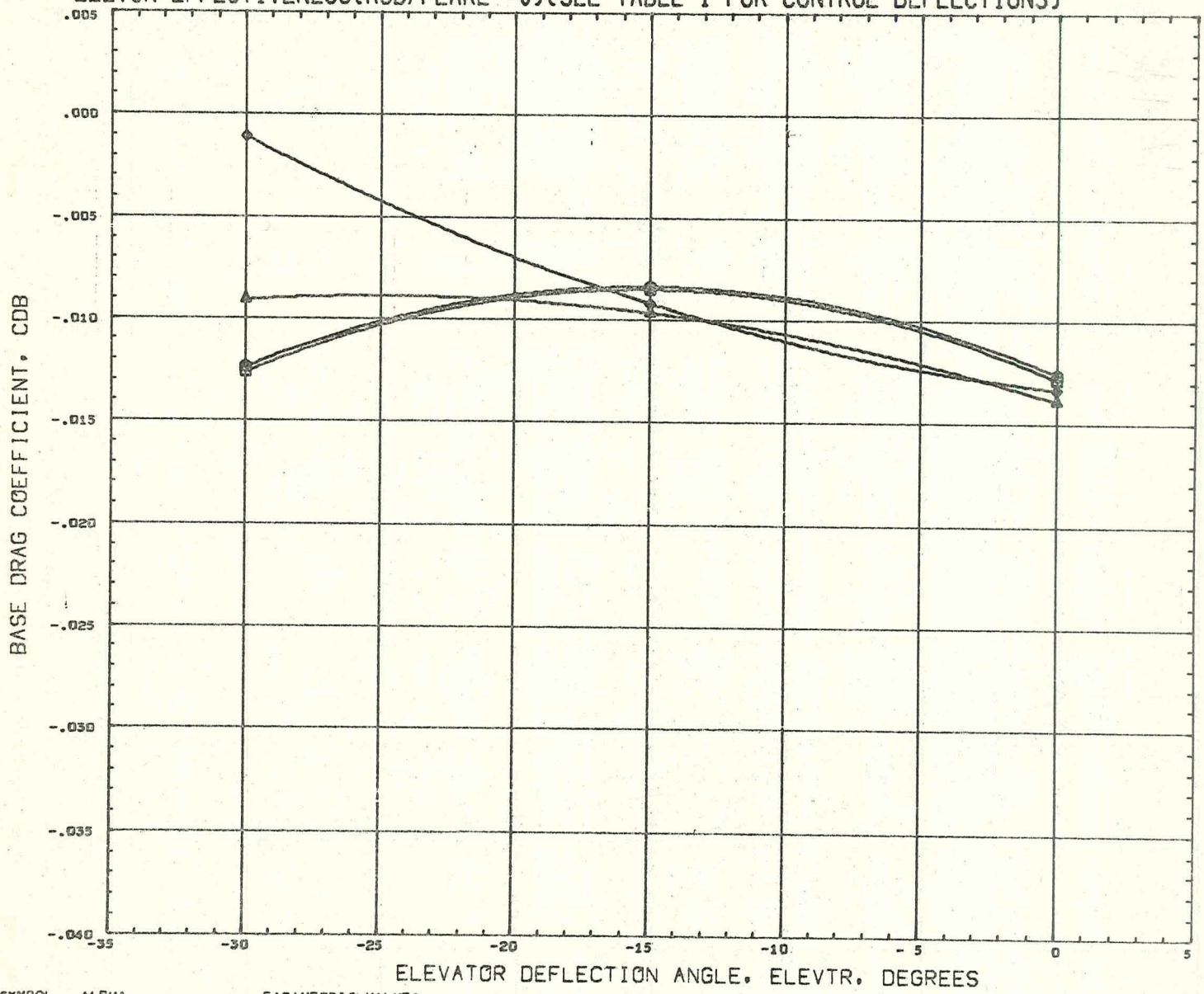
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

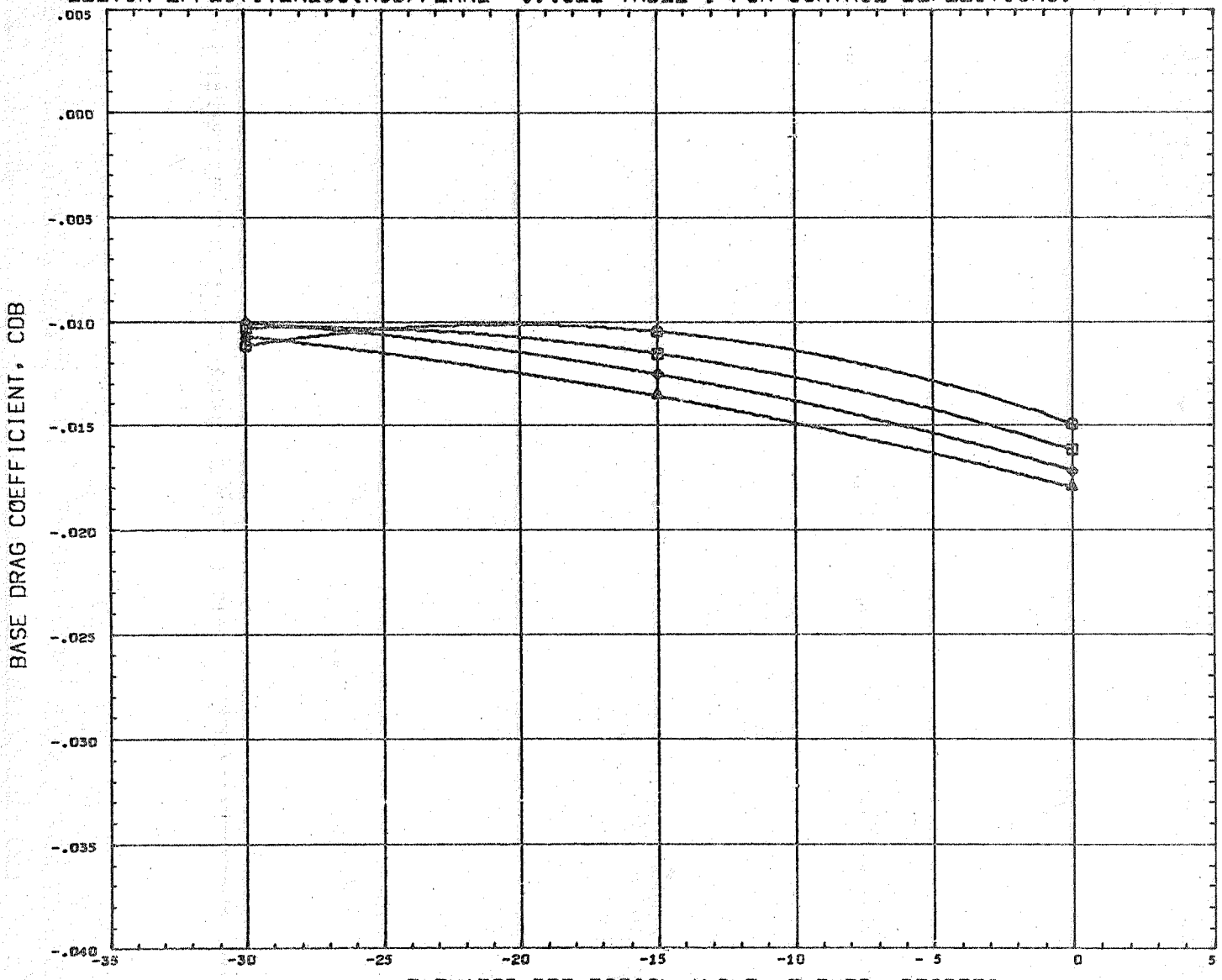
Q(PSF)	100.000	BETA		0.000
AILRON	0.000	RUDDER		0.000
RUDDFL	0.000			

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	14.000
□	16.000
◇	18.000
△	20.000

PARAMETRIC VALUES

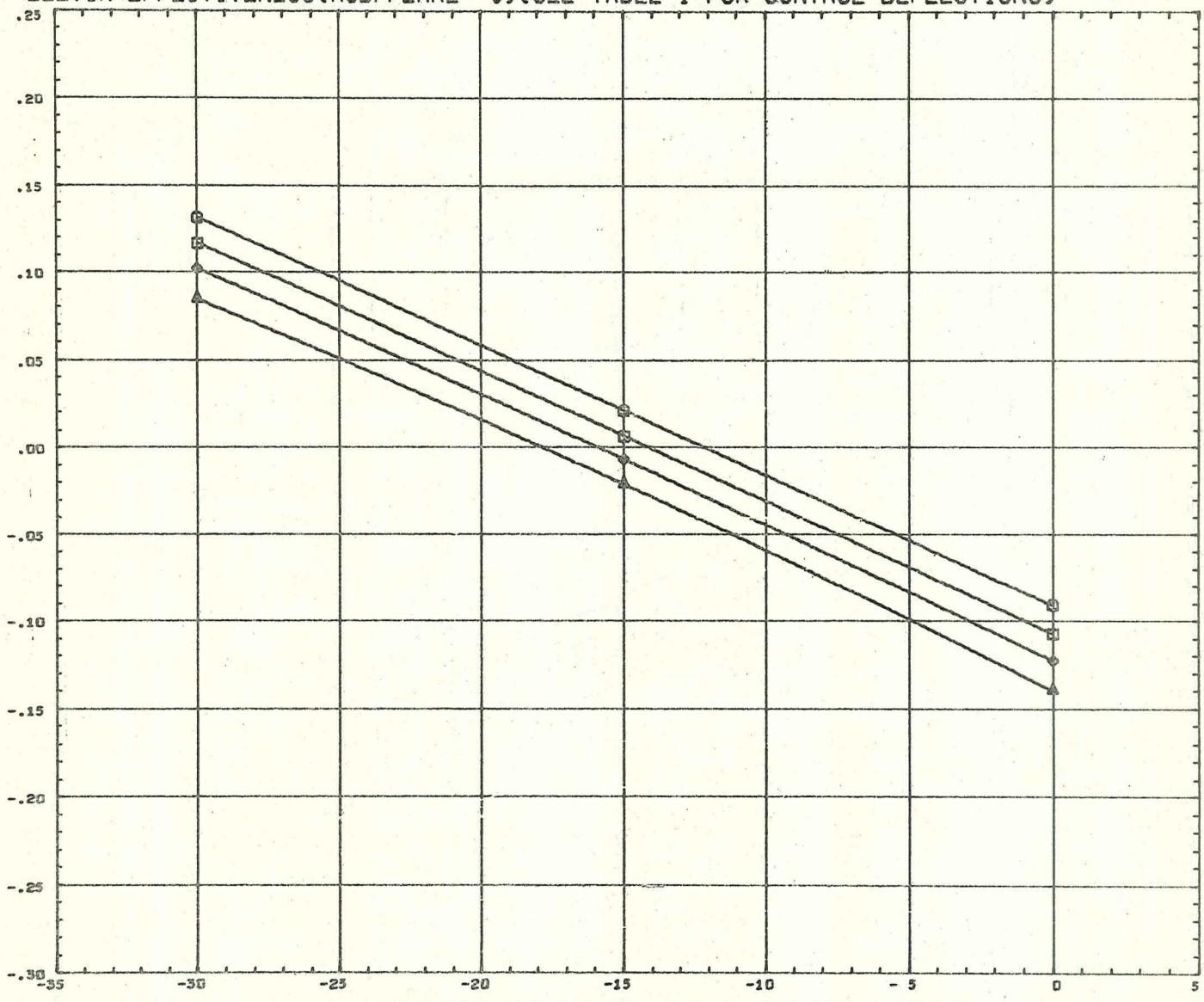
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

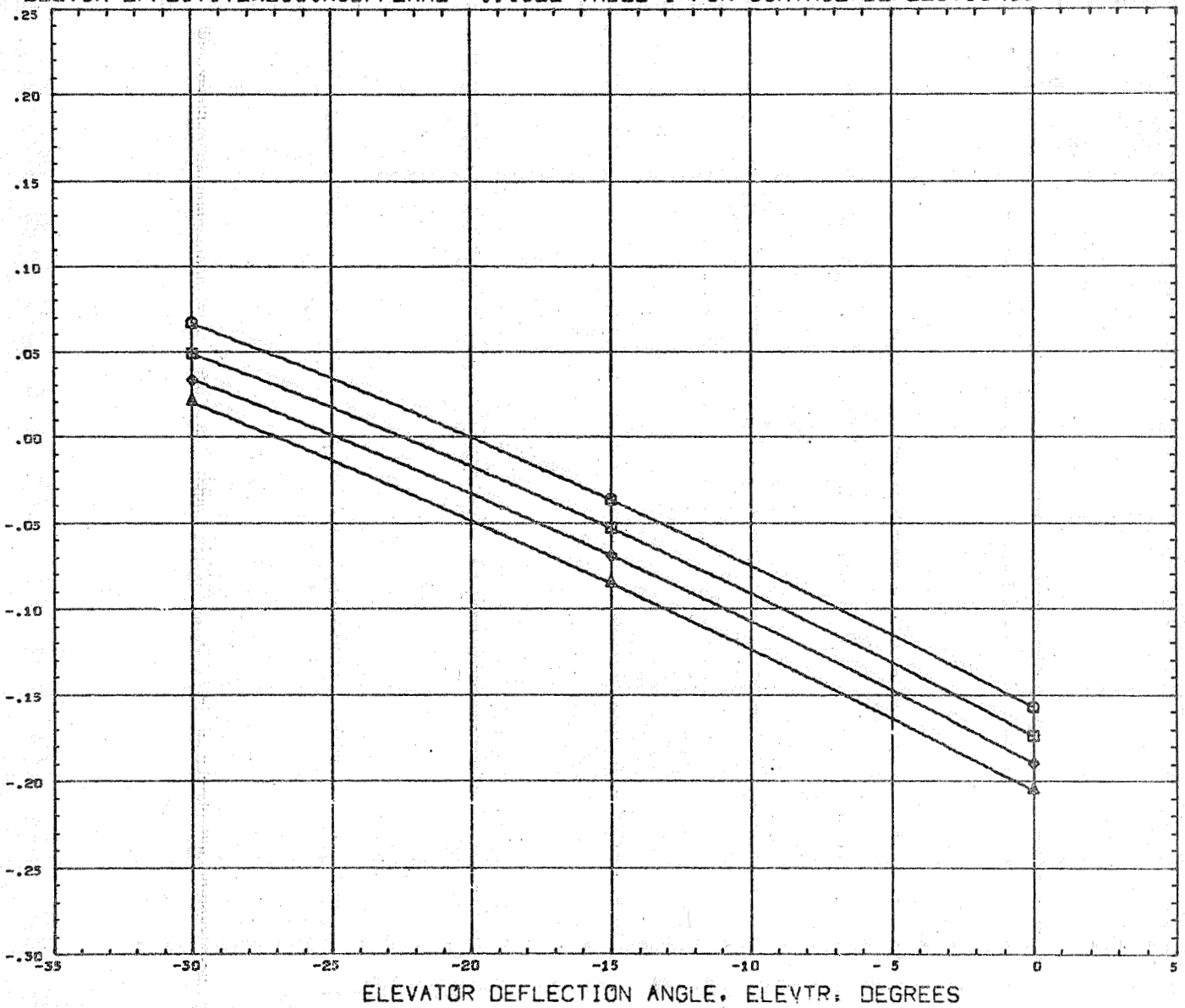


SYMBOL	ALPHA		PARAMETRIC VALUES		
○	10.000	Q(PSF)	100.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

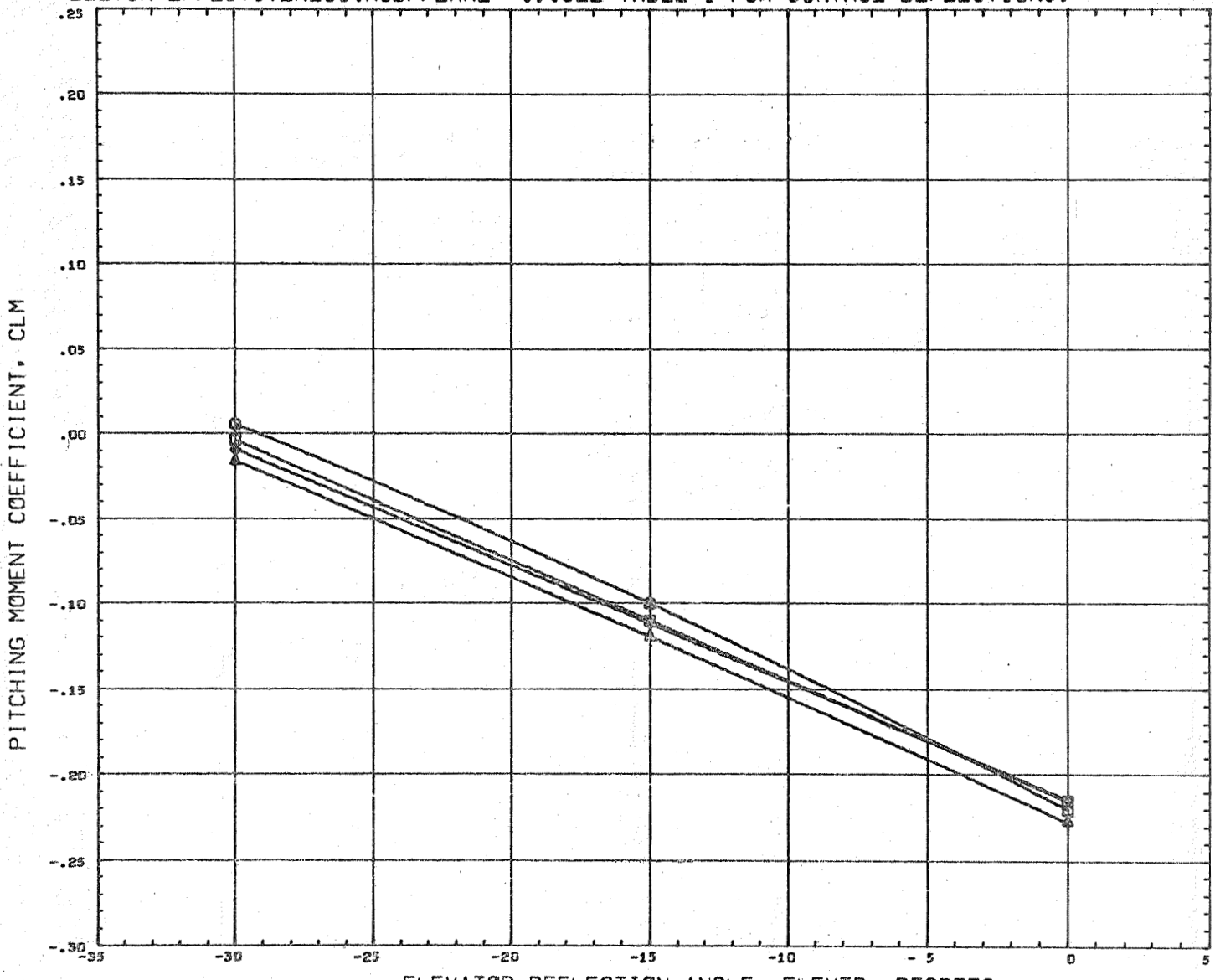


SYMBOL	ALPHA		PARAMETRIC VALUES		
○	2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



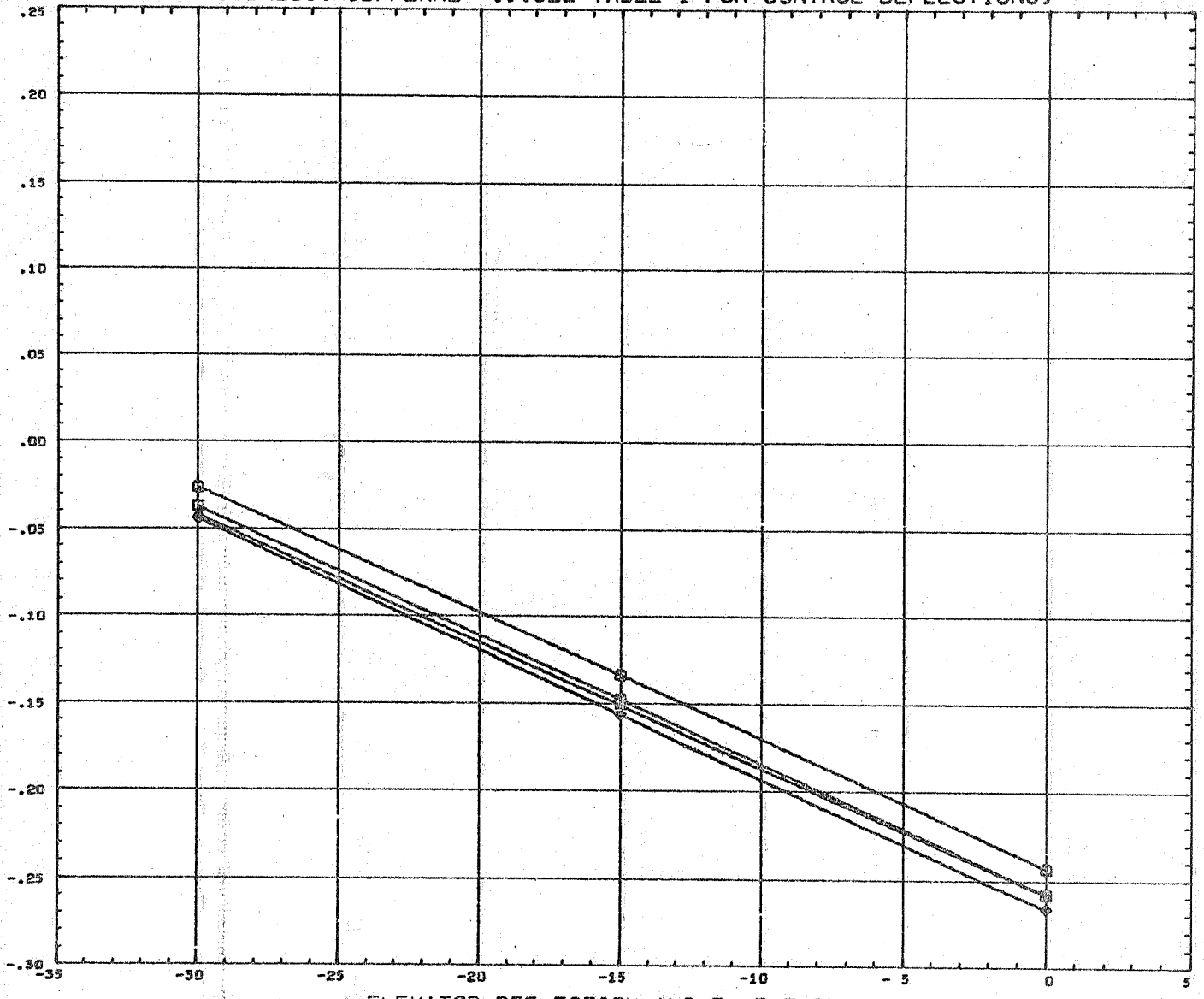
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	100.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	0.000
◇	10.000	RUDDFL	0.000		
△	12.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



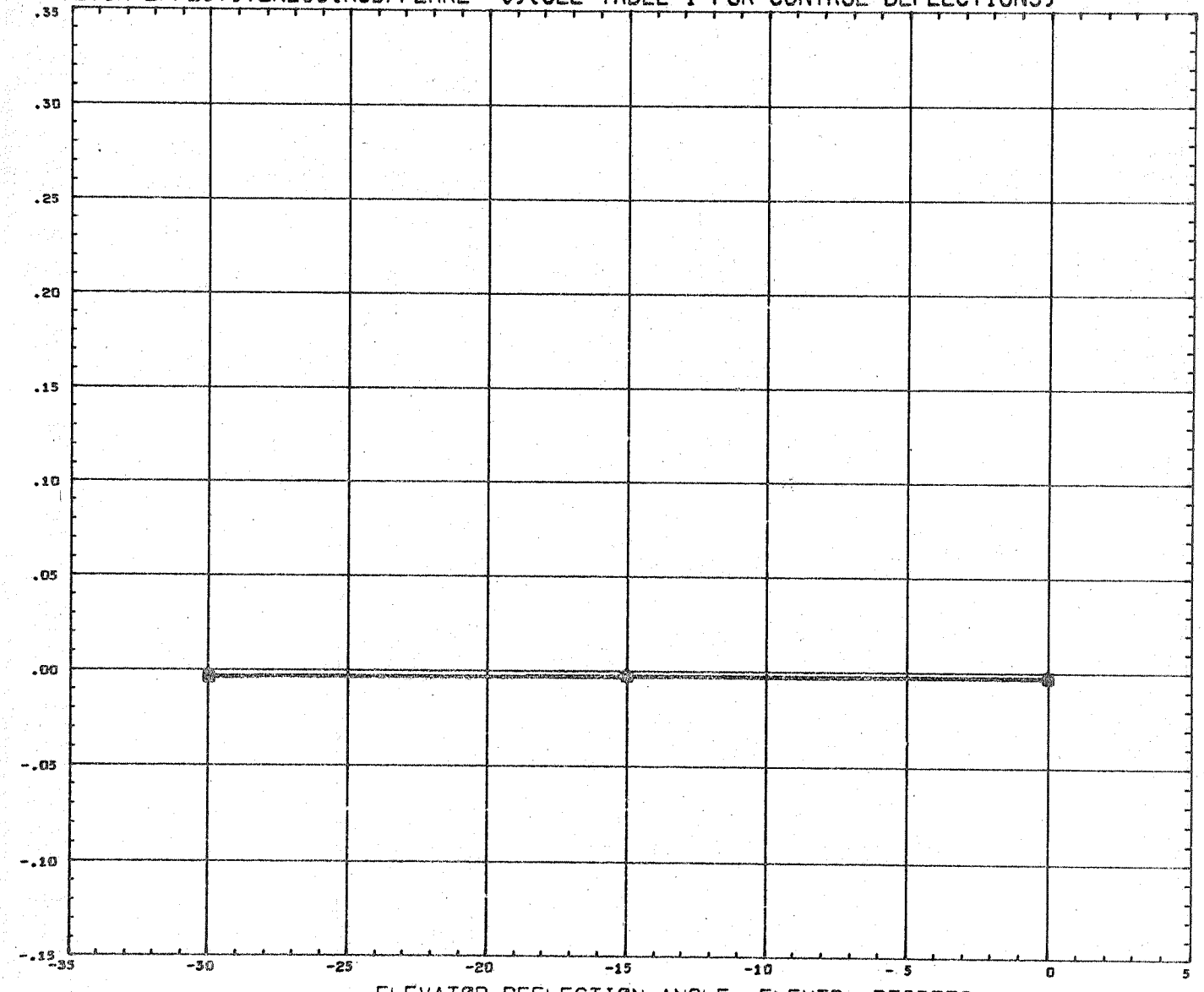
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



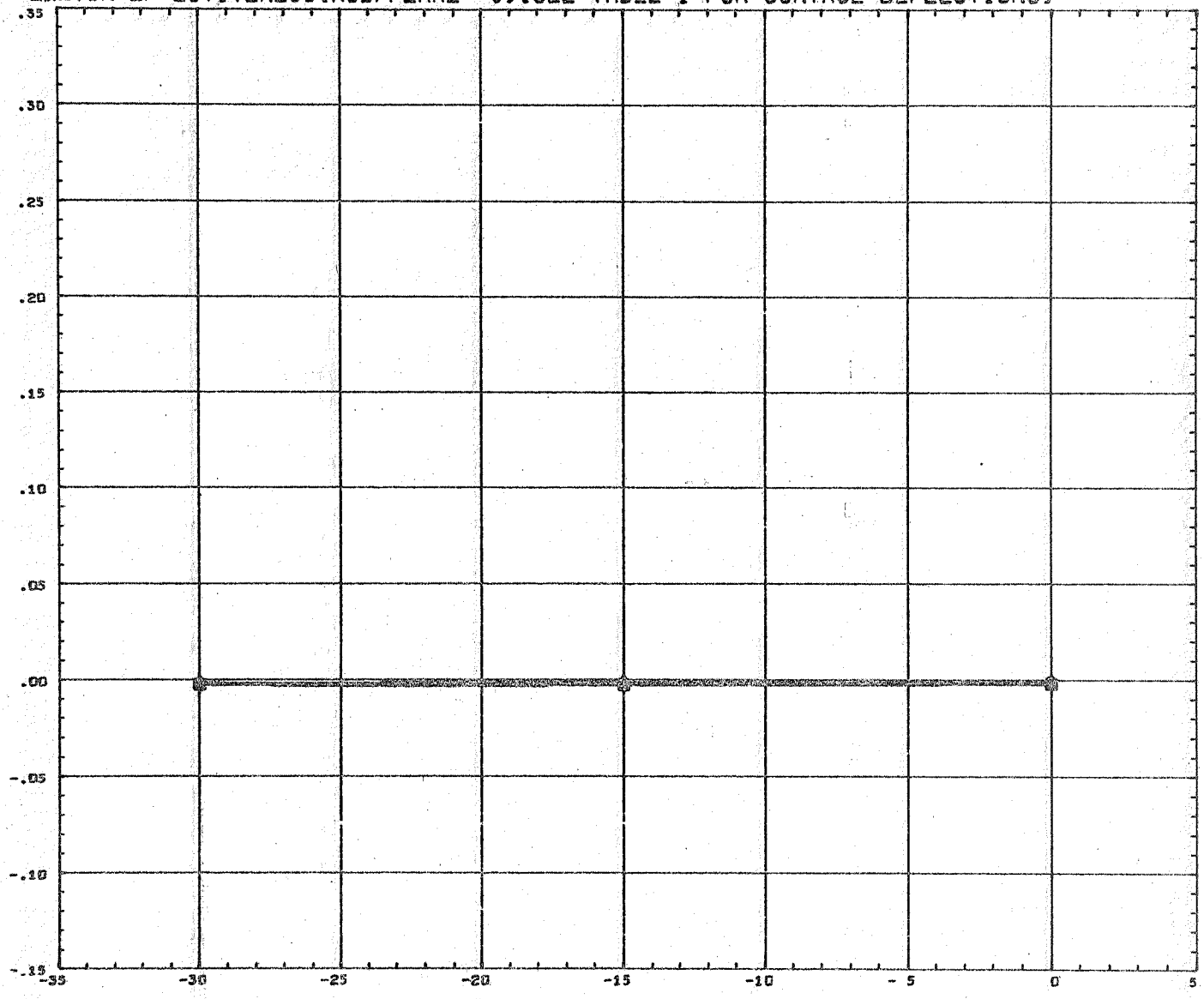
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(FSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V#EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



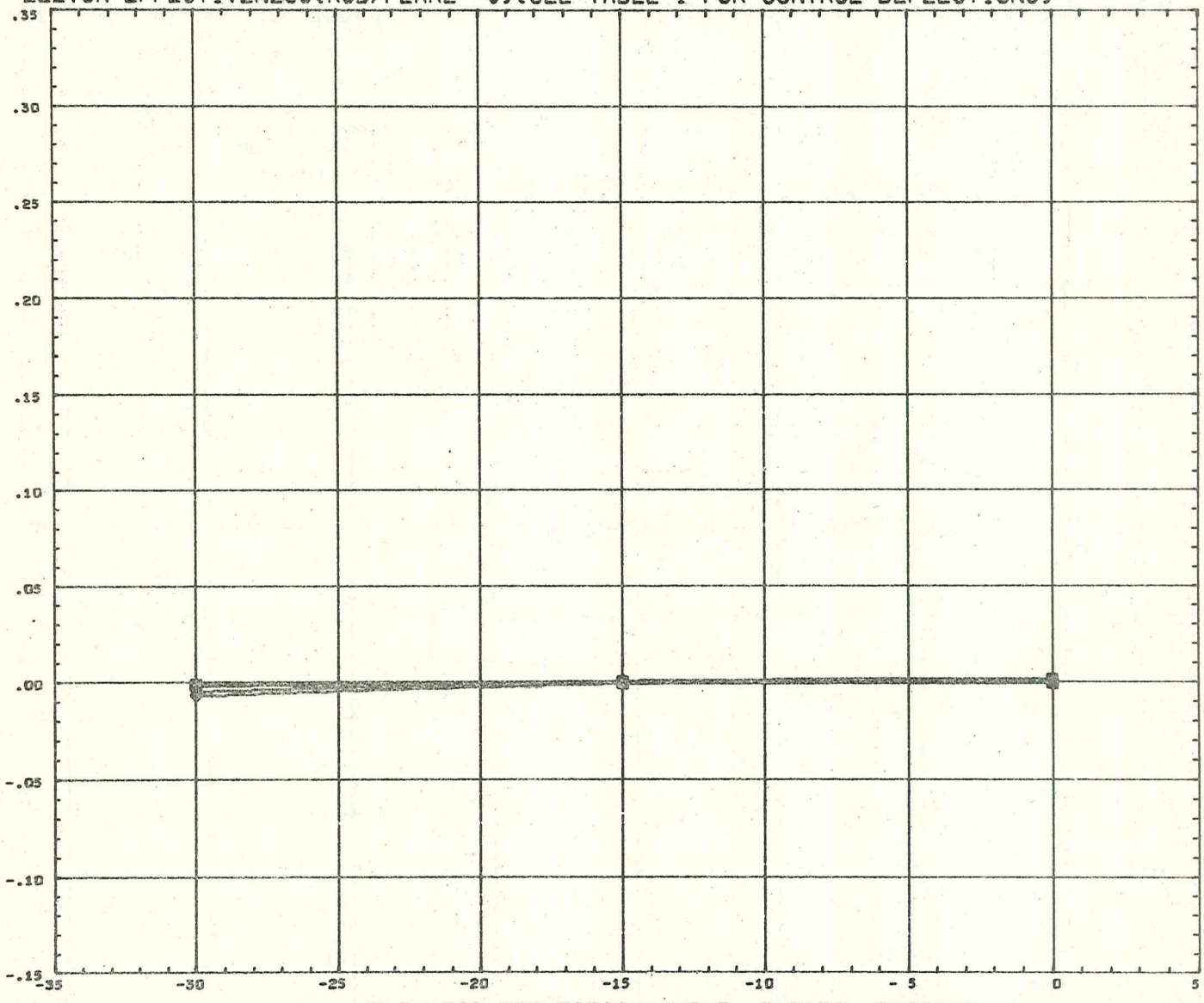
SYMBOL	ALPHA		PARAMETRIC VALUES		
○ -	2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

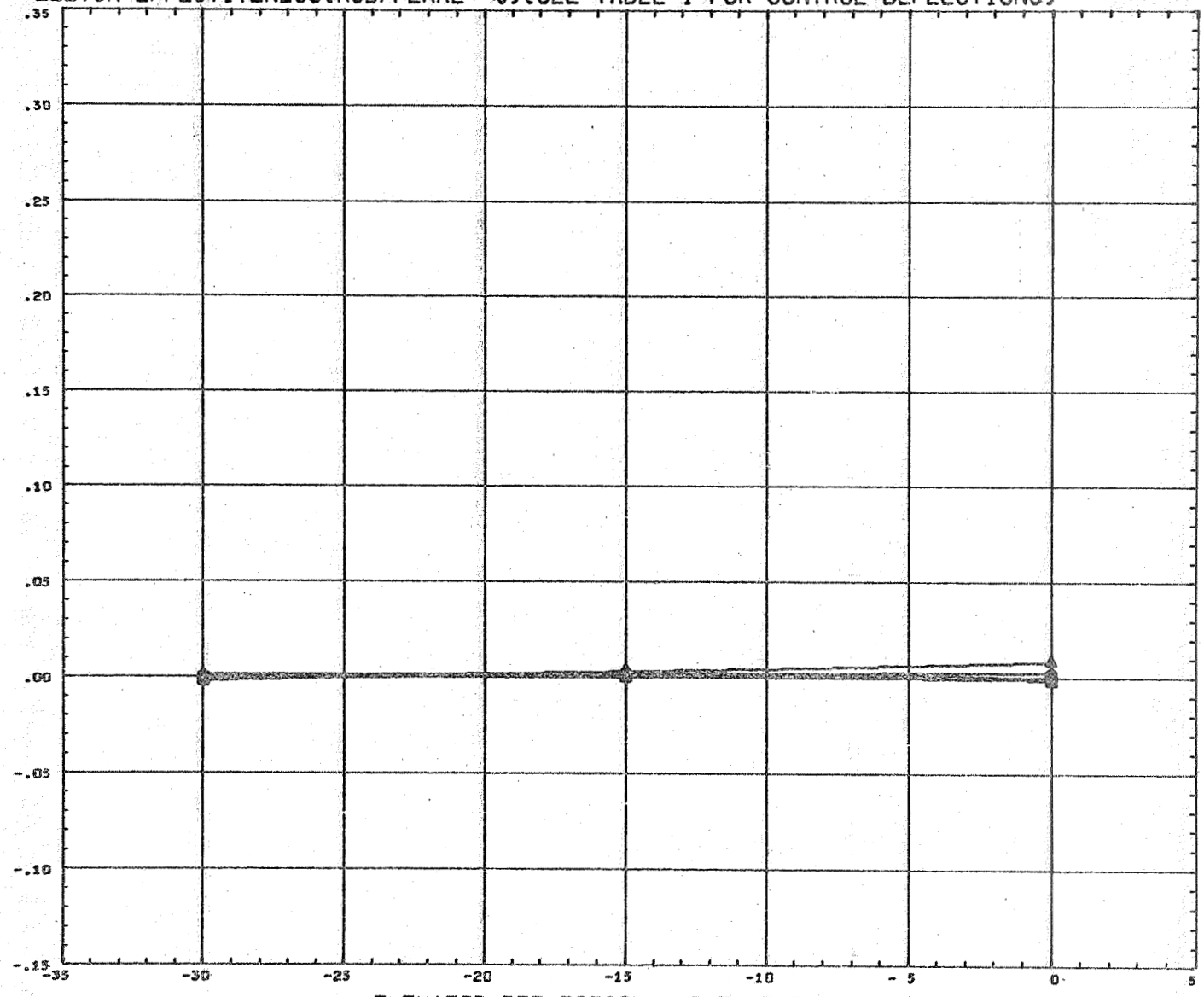
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*EIF

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	14.000
□	16.000
◇	18.000
△	20.000

PARAMETRIC VALUES

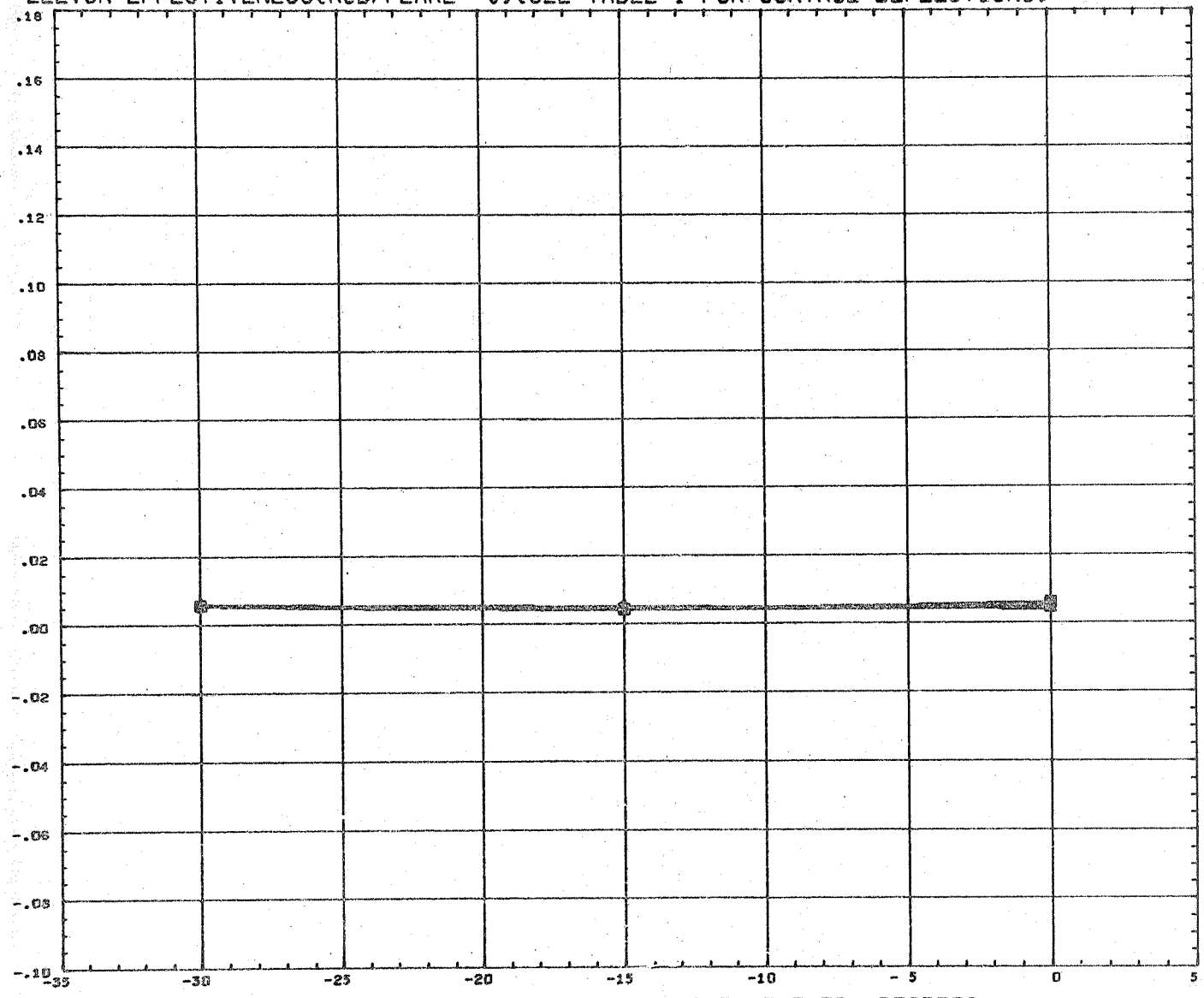
Q(PSF)	100.000	BETA		0.000
AILRON	0.000	RUDDER		0.000
RUDDFL	0.000			

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



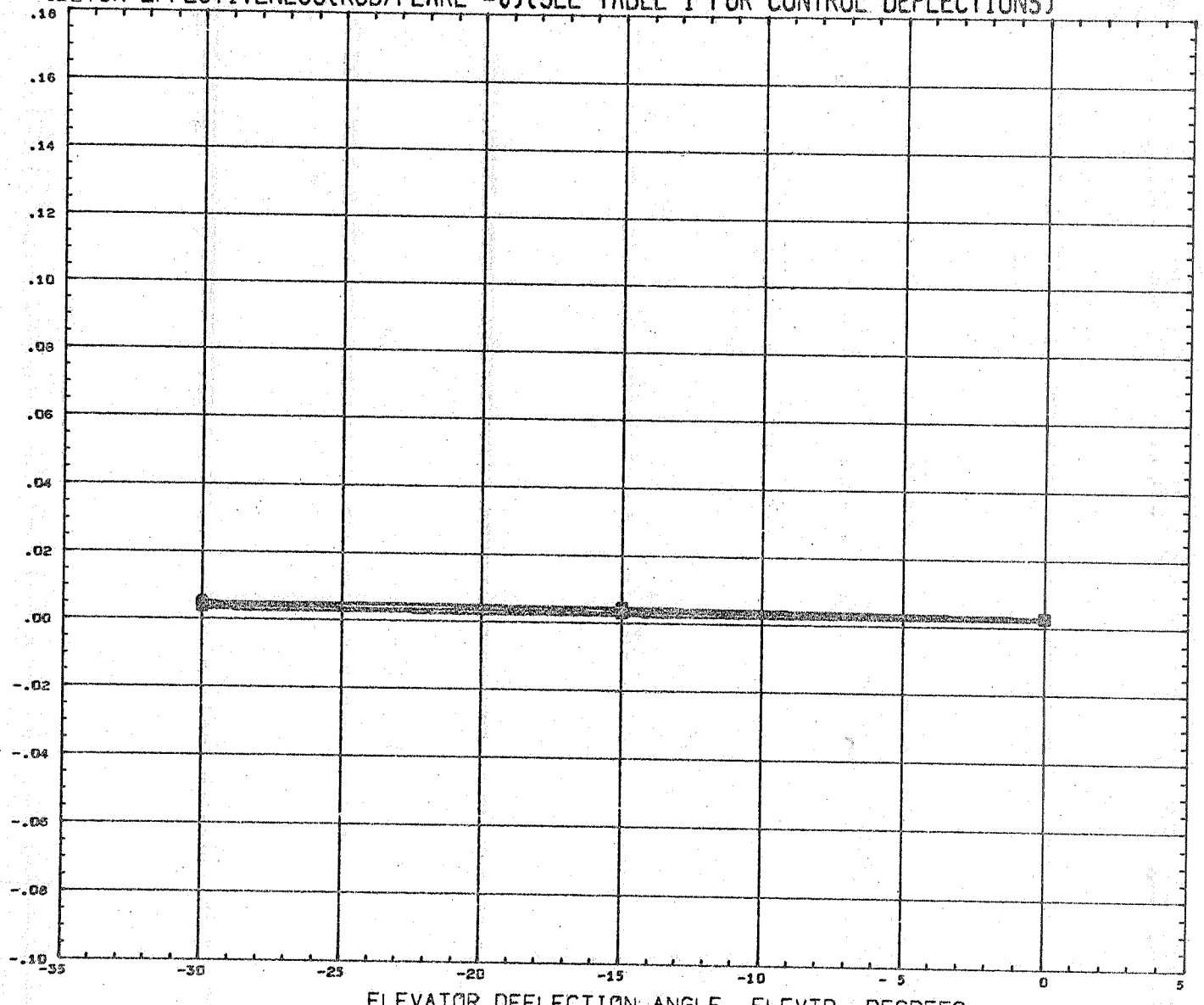
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	- 2.000
□	0.000
◇	2.000
△	4.000

PARAMETRIC VALUES

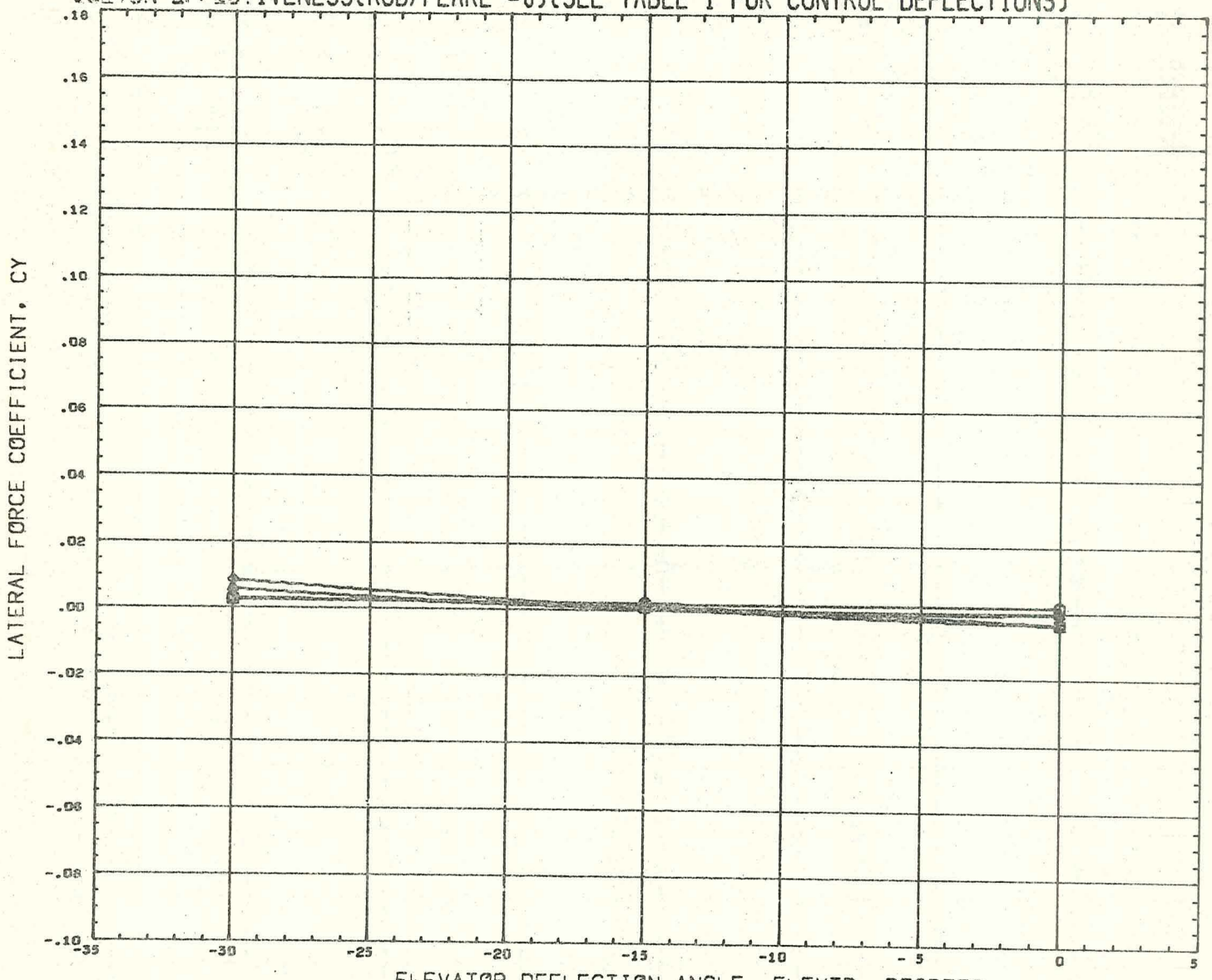
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

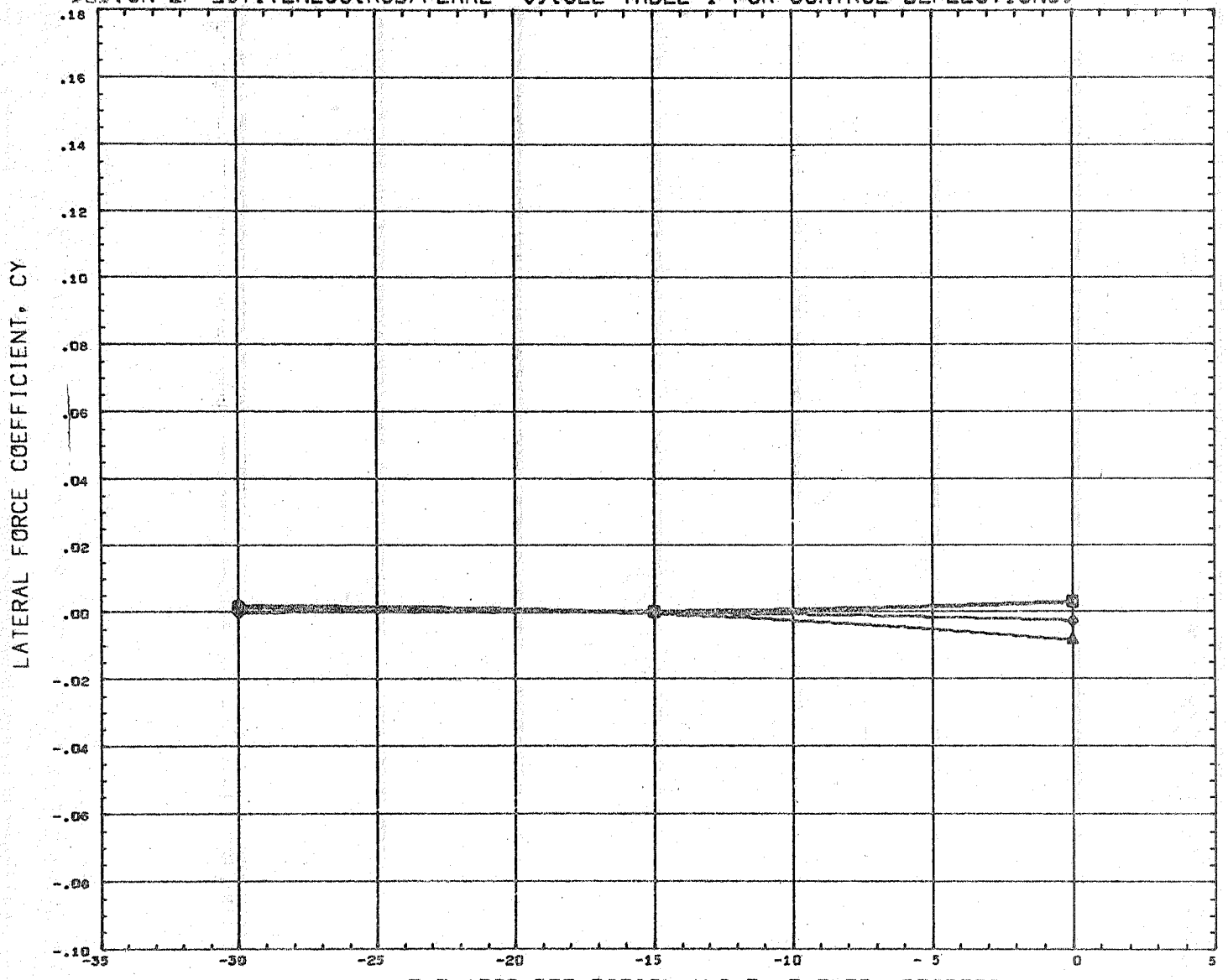
Q(PSF)	100.000	BETA	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



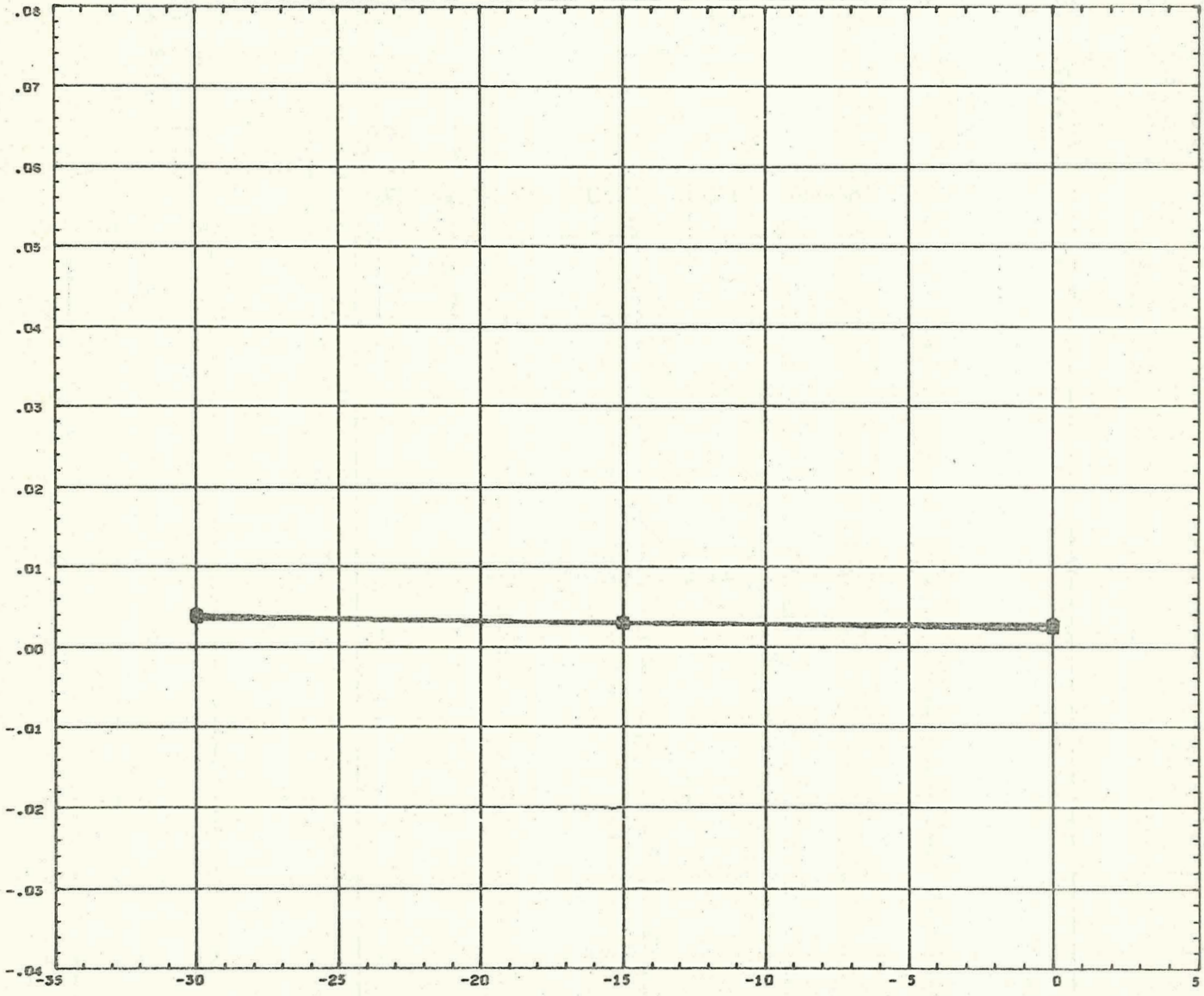
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Θ(FSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

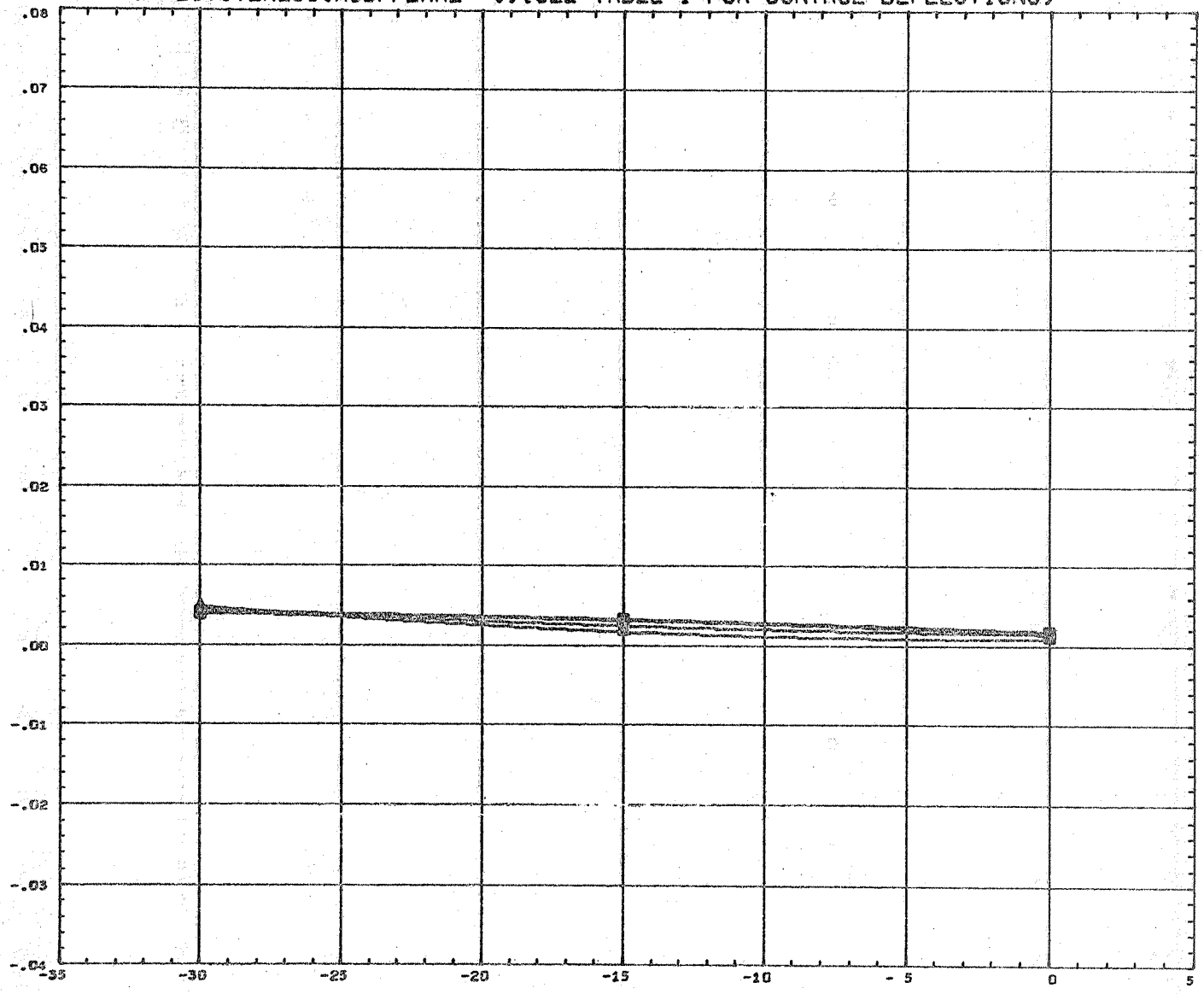


SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



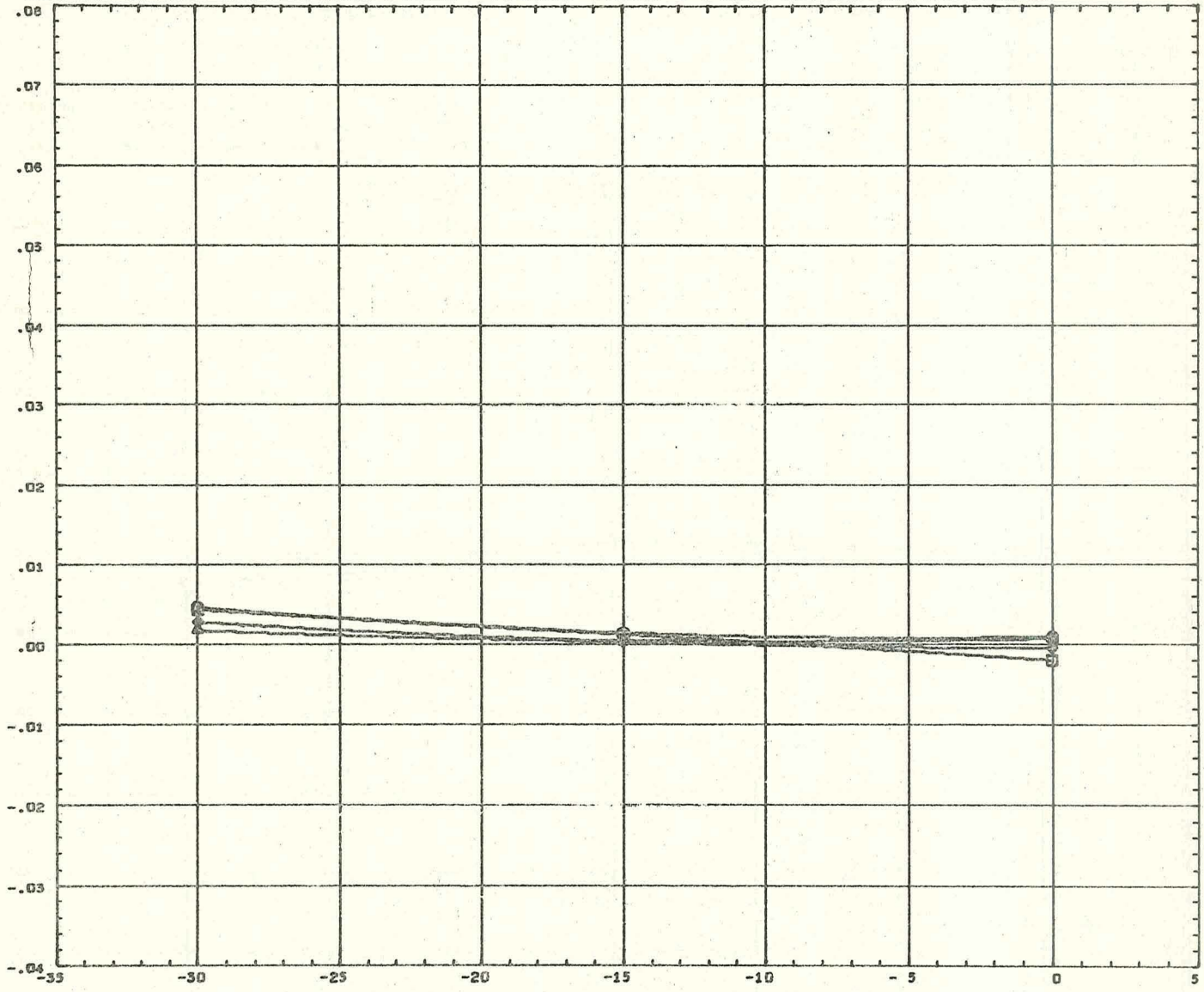
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



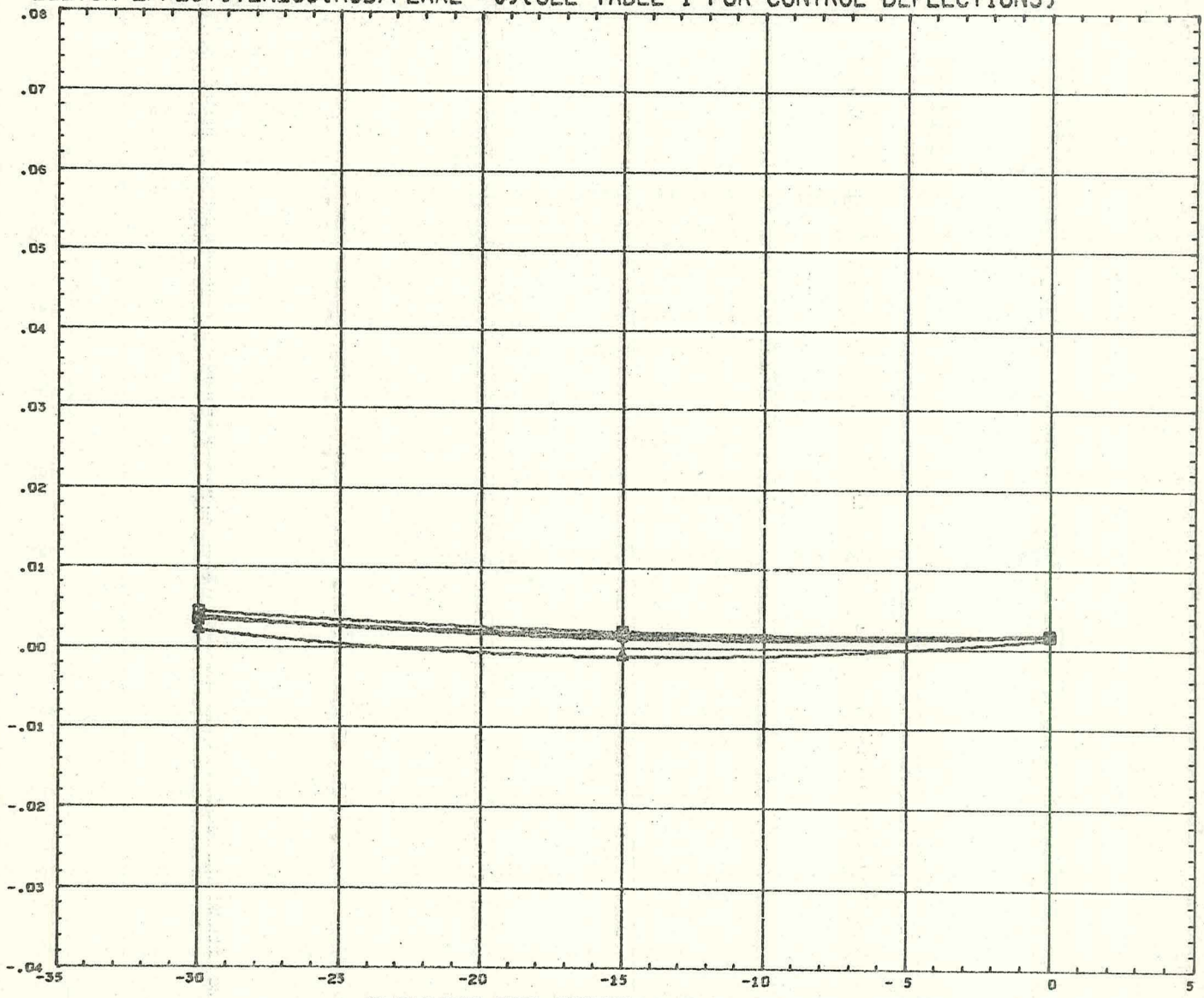
SYMBOL	ALFHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	100.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	0.000
◇	10.000	RUDDFL	0.000		
△	12.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



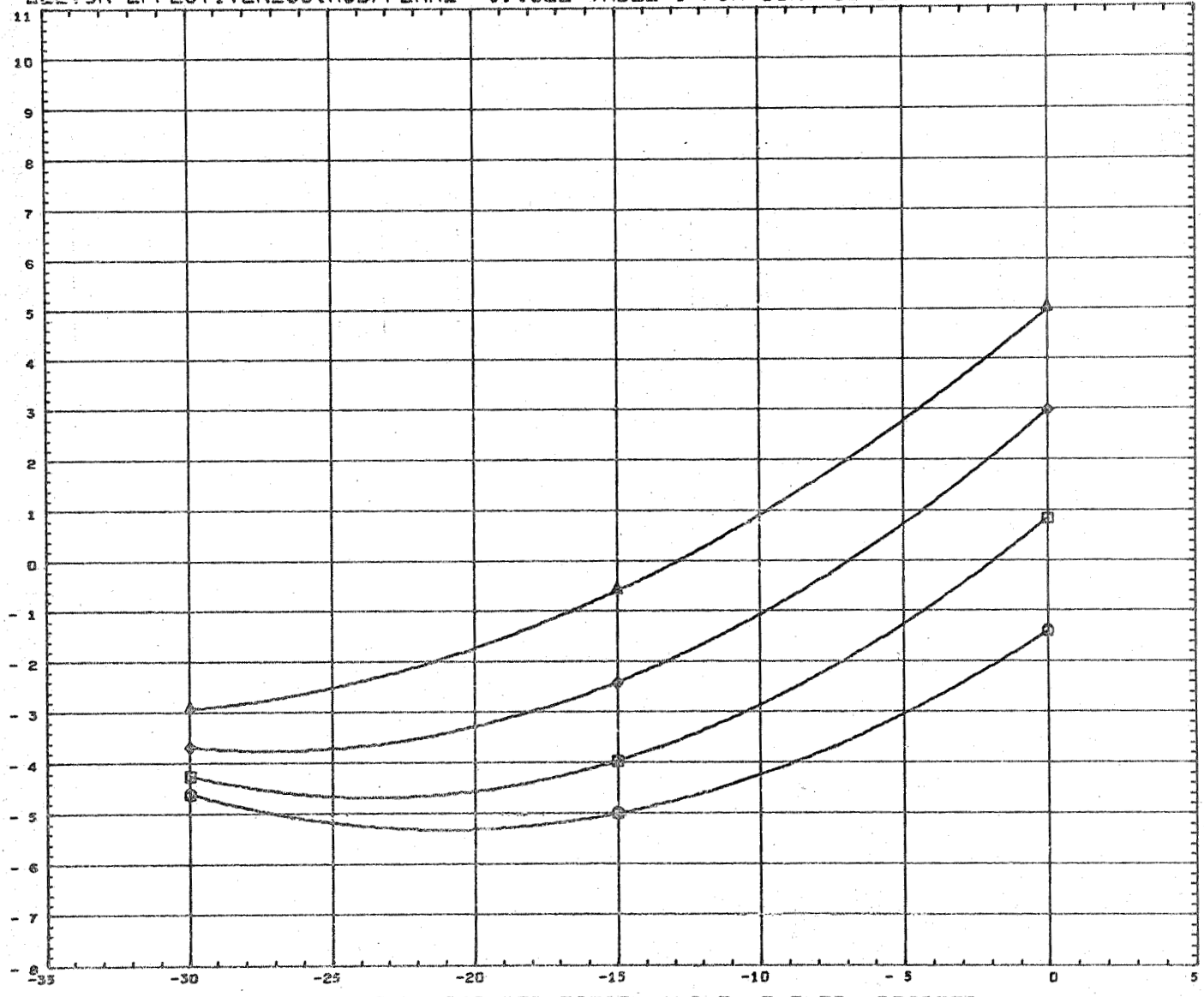
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

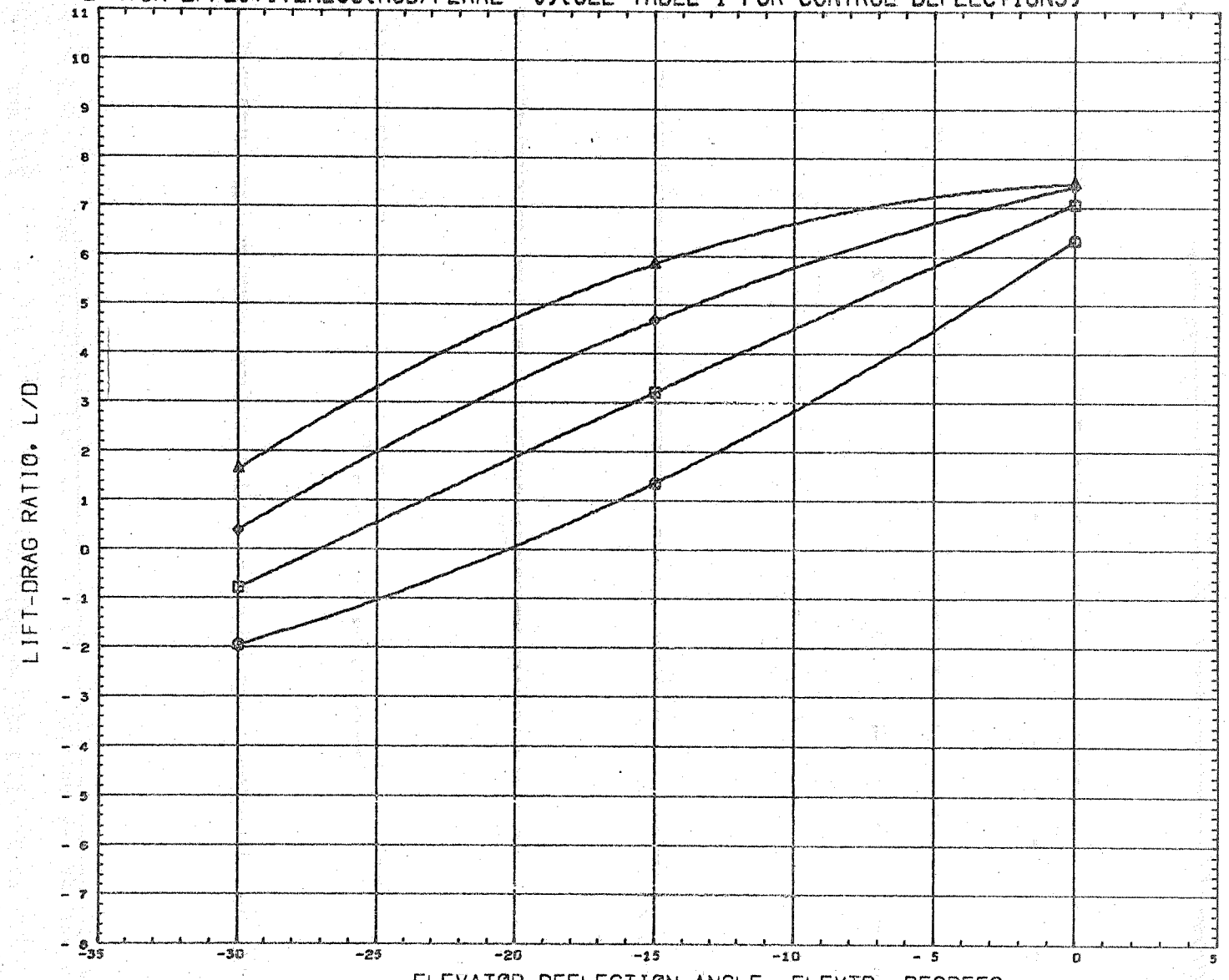


SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	100.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	0.000
◇	- 6.000	RUDDFL	0.000		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



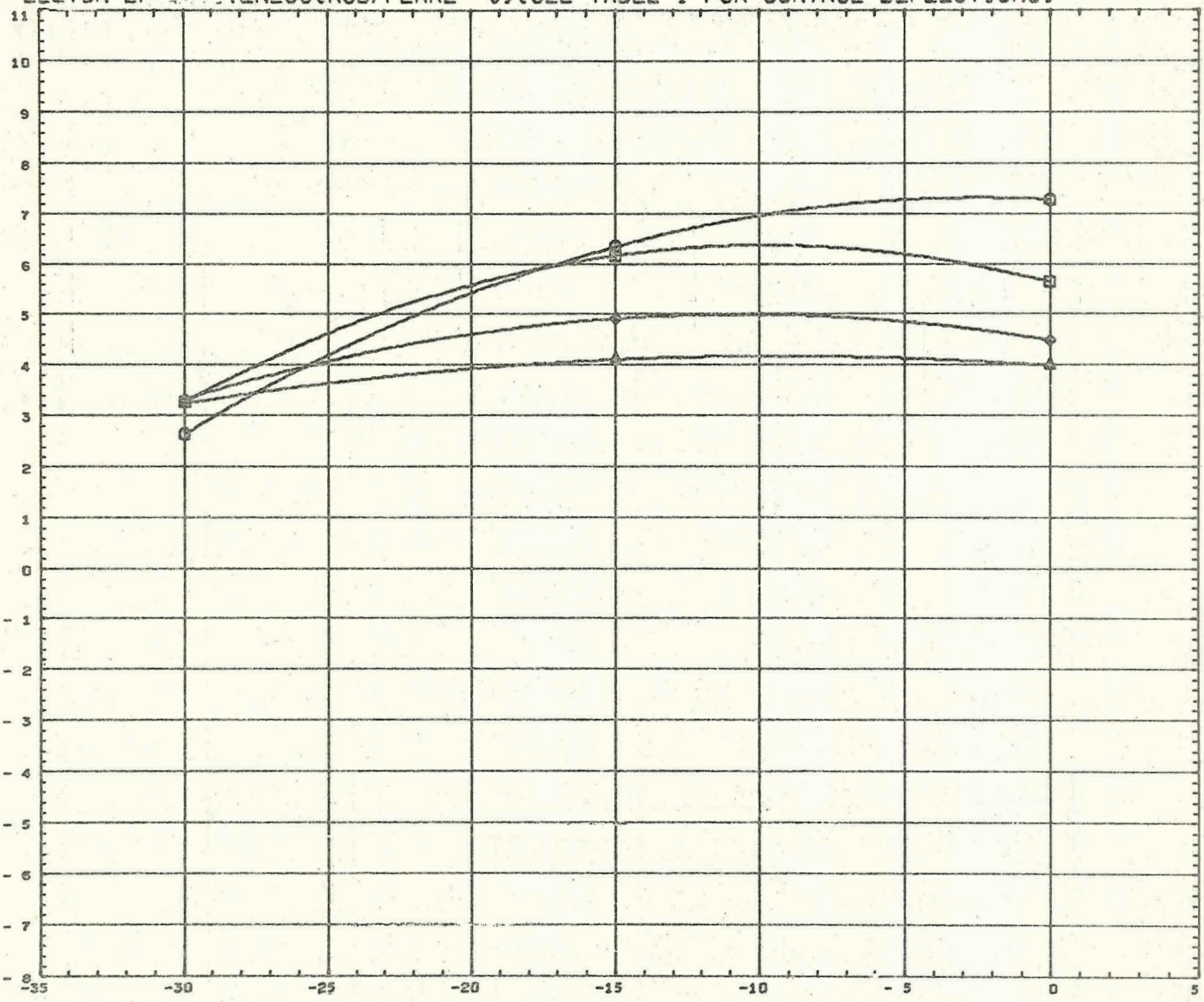
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	2.000	Q(PSF)	100.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	0.000
◇	2.000	RUDDFL	0.000		
△	4.000				

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



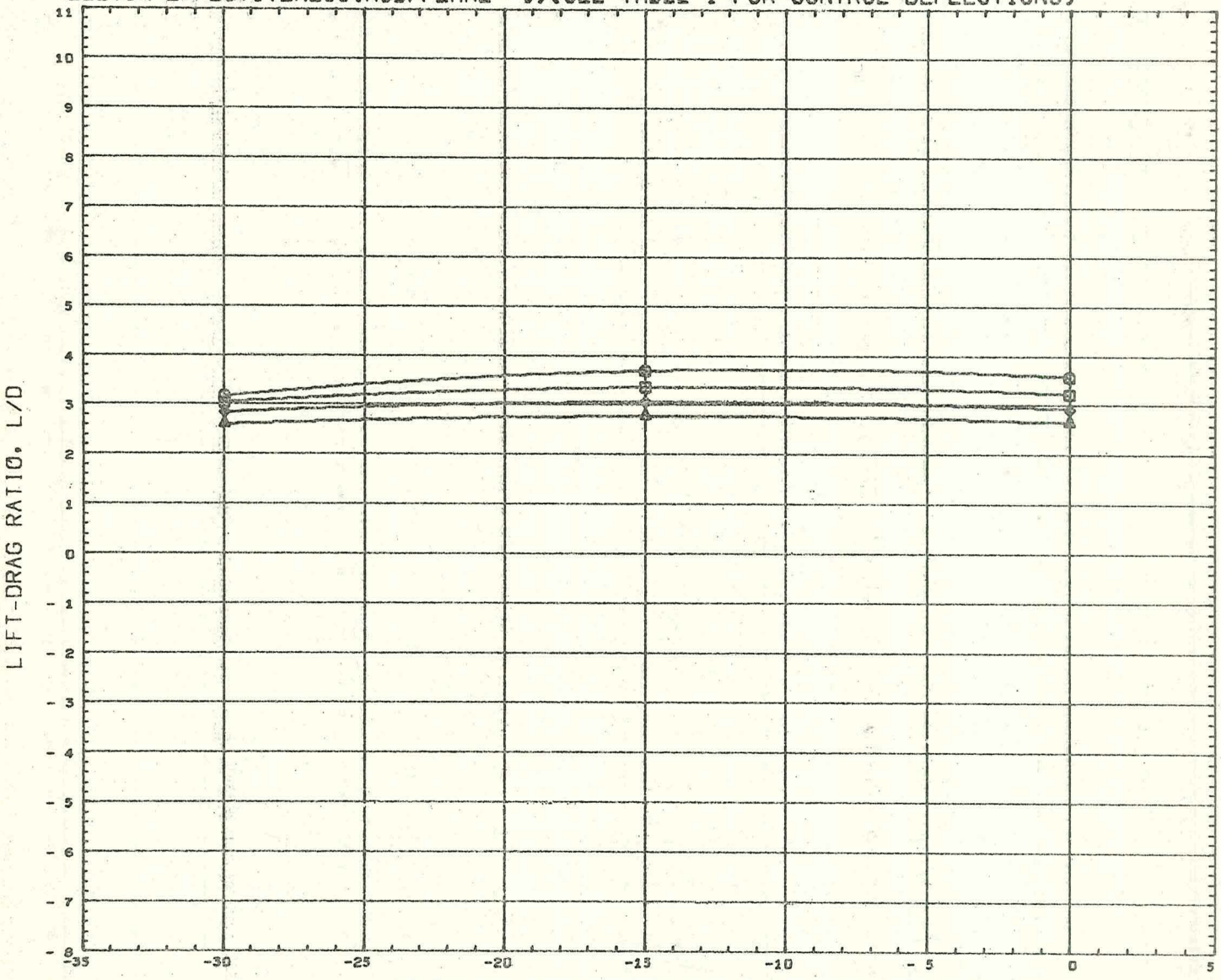
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	100.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	0.000
◇	10.000	RUDDFL	0.000		
△	12.000				

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVØN EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FØR CONTROL DEFLECTIØNS)



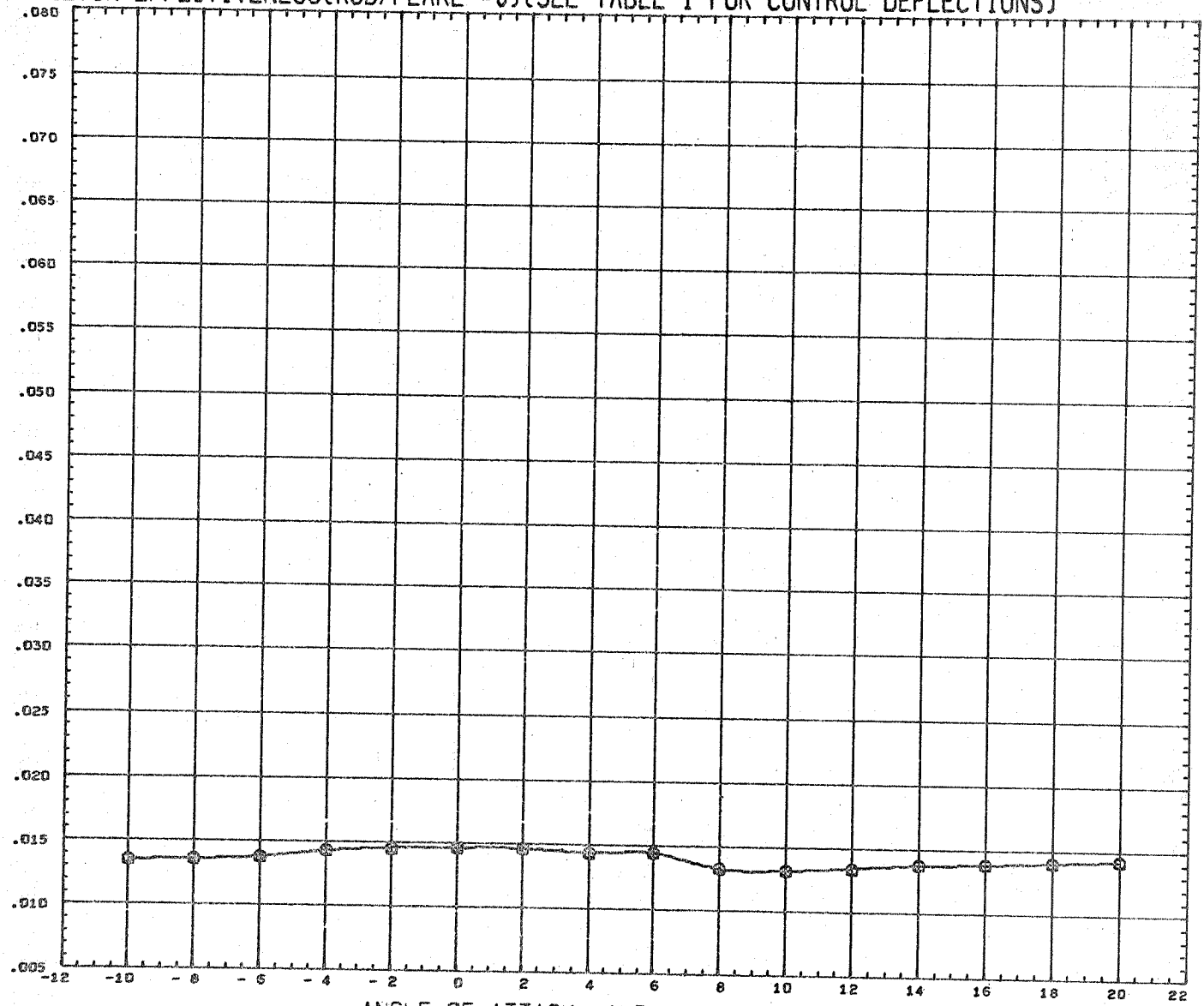
SYMBOL	ALFHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	100.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	0.000
◇	18.000	RUDDFL	0.000		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



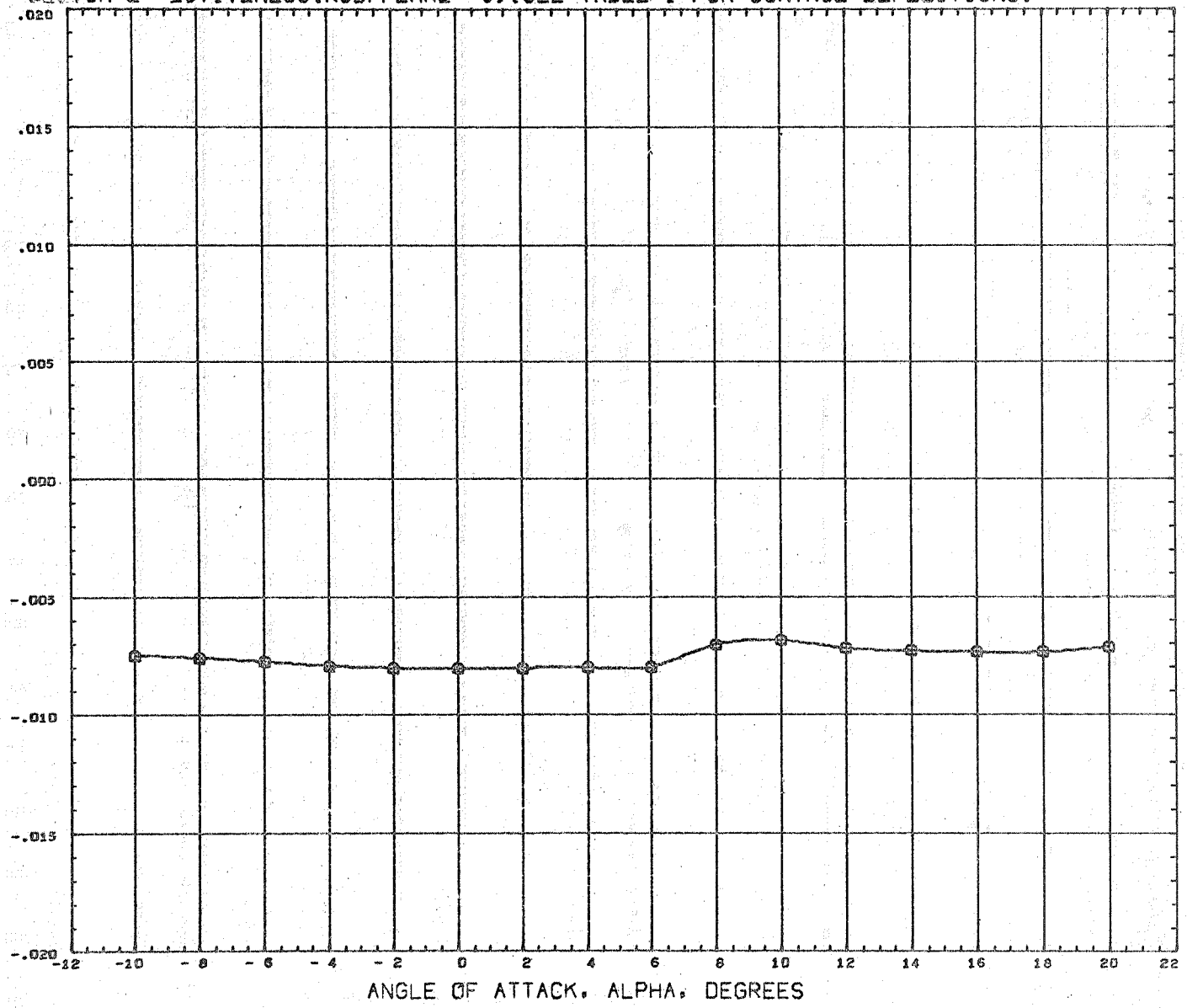
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	100.000	BETA	0.000	ELEVTR	- 15.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



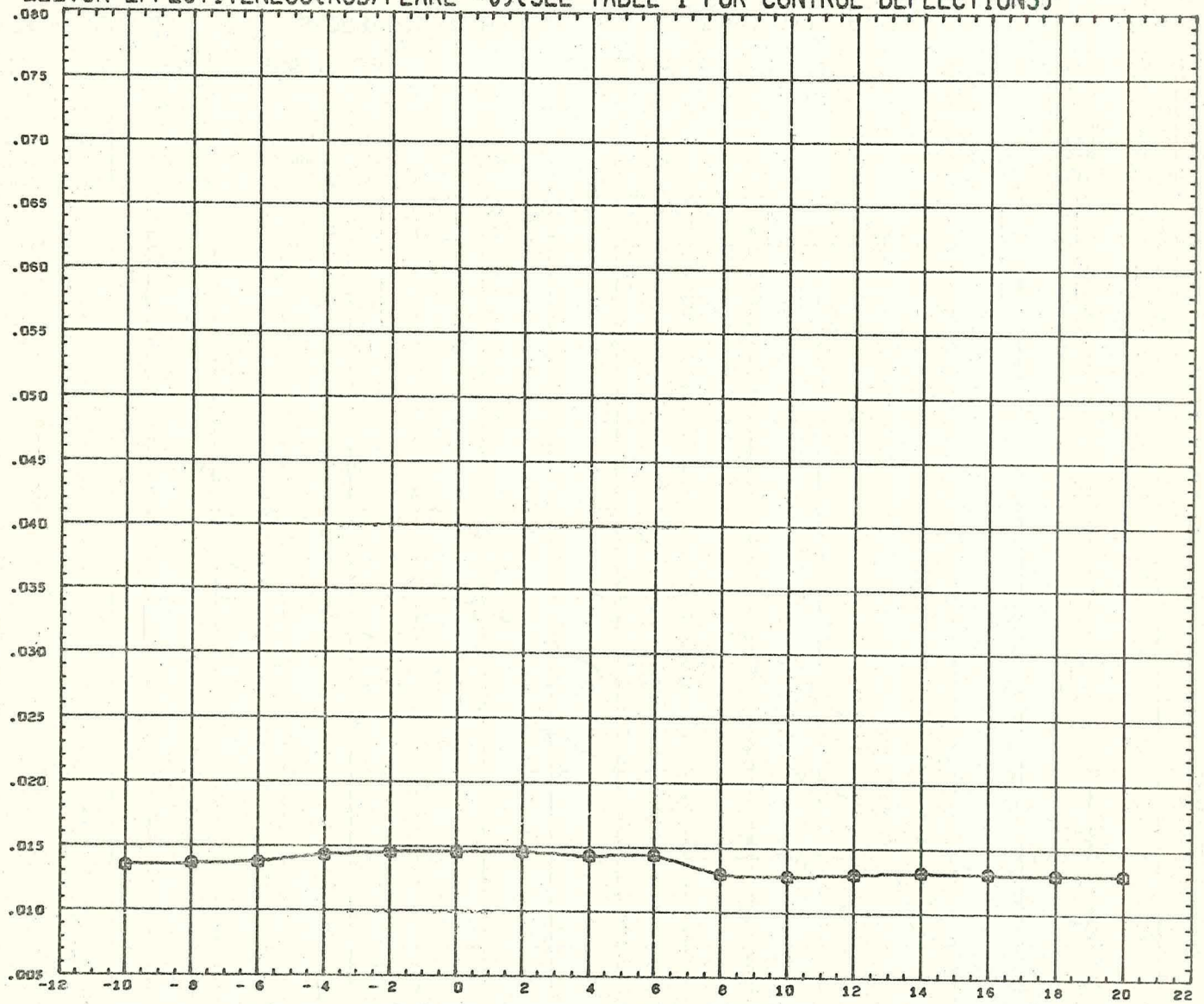
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	100.000	BETA	0.000	ELEVTR	- 15.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE =0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



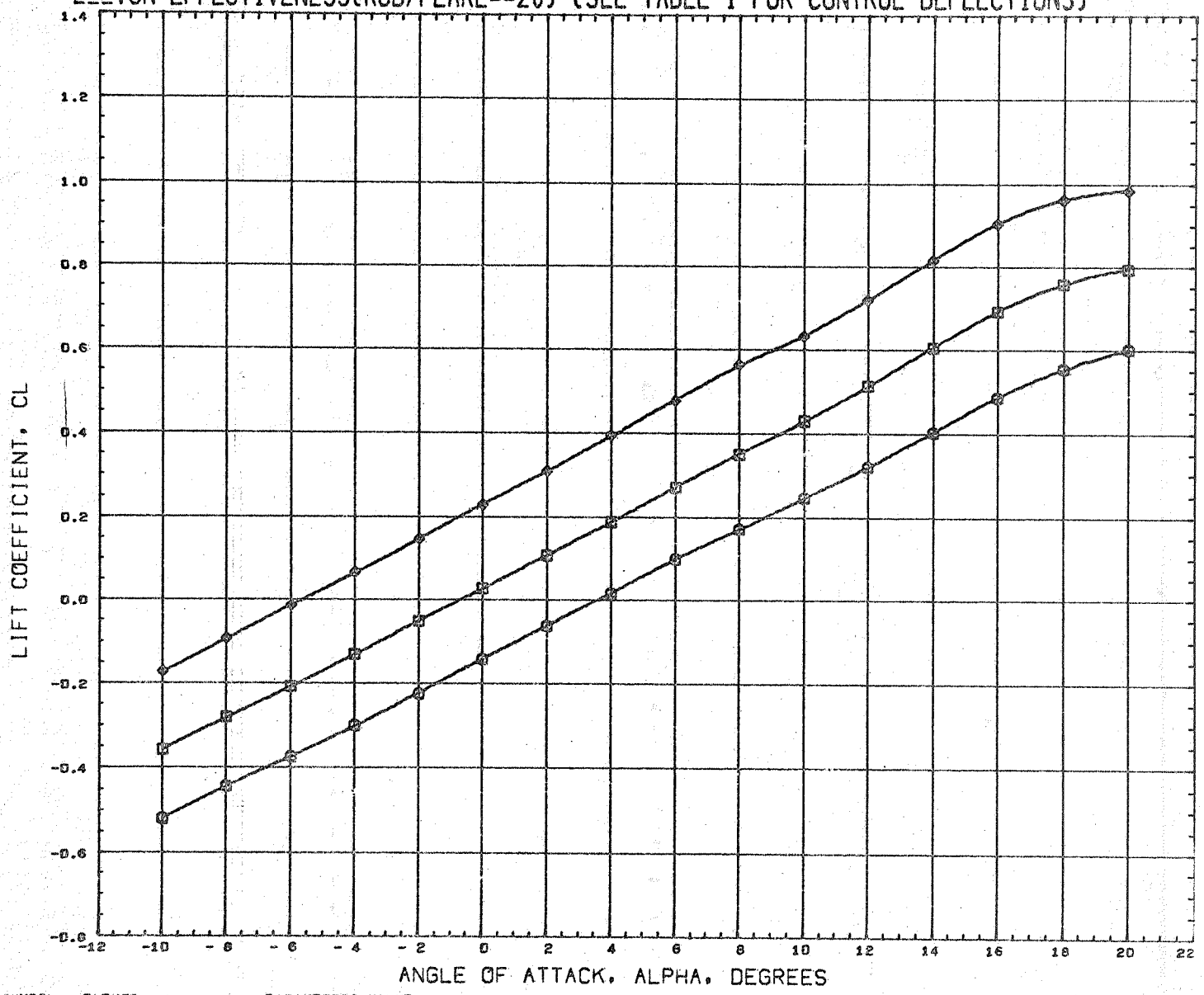
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	100.000	BETA	0.000	ELEVTR	- 15.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



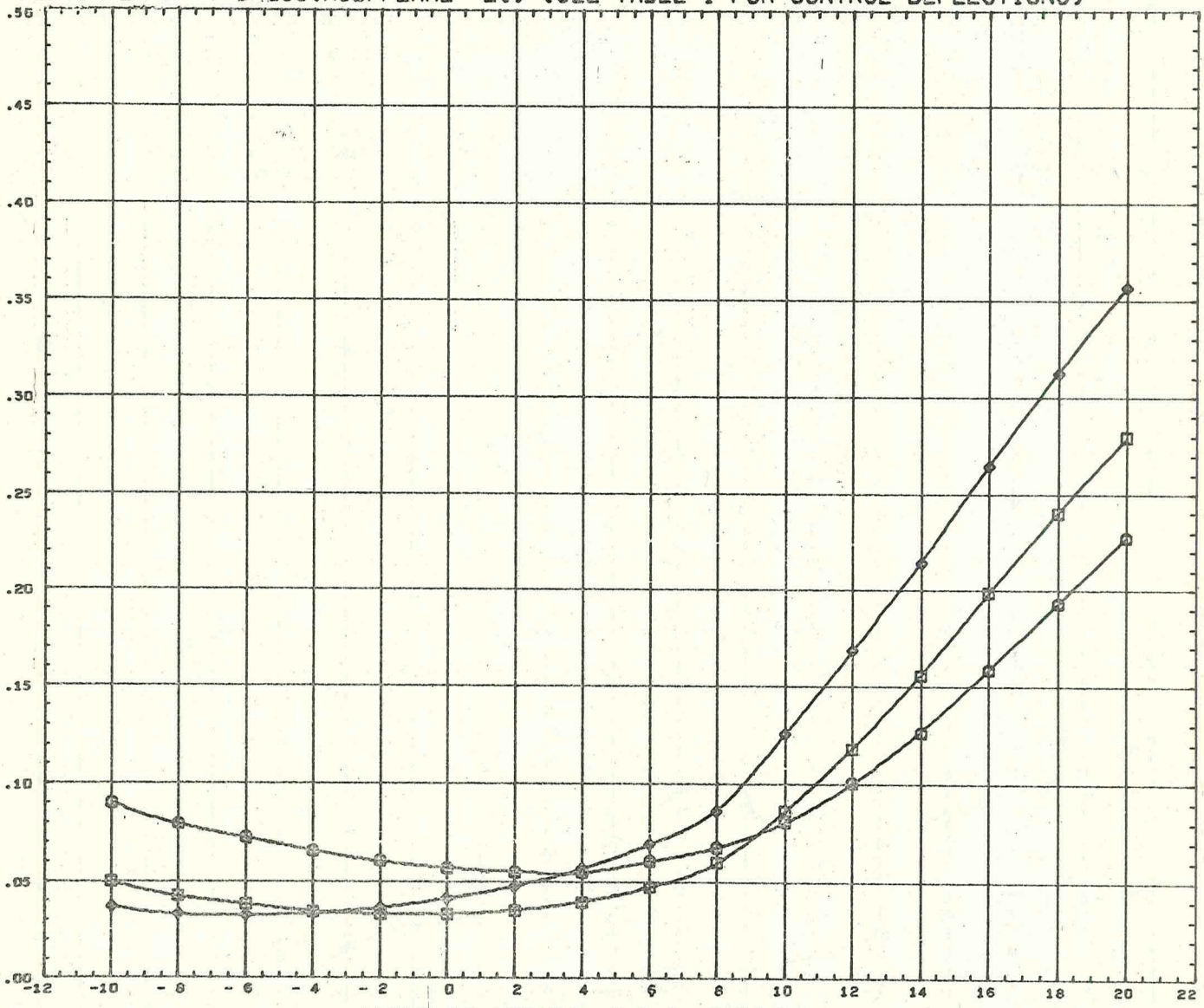
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



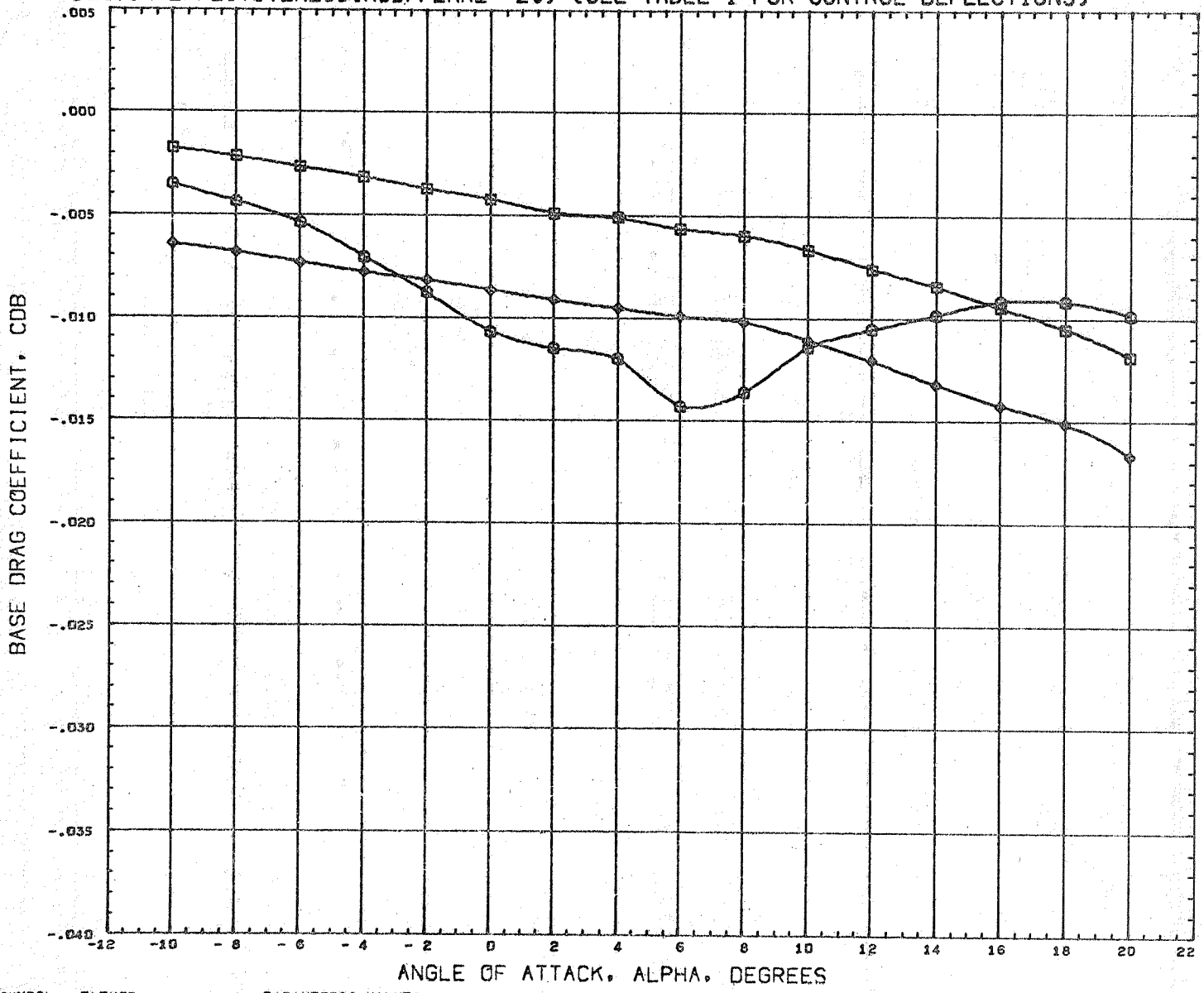
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



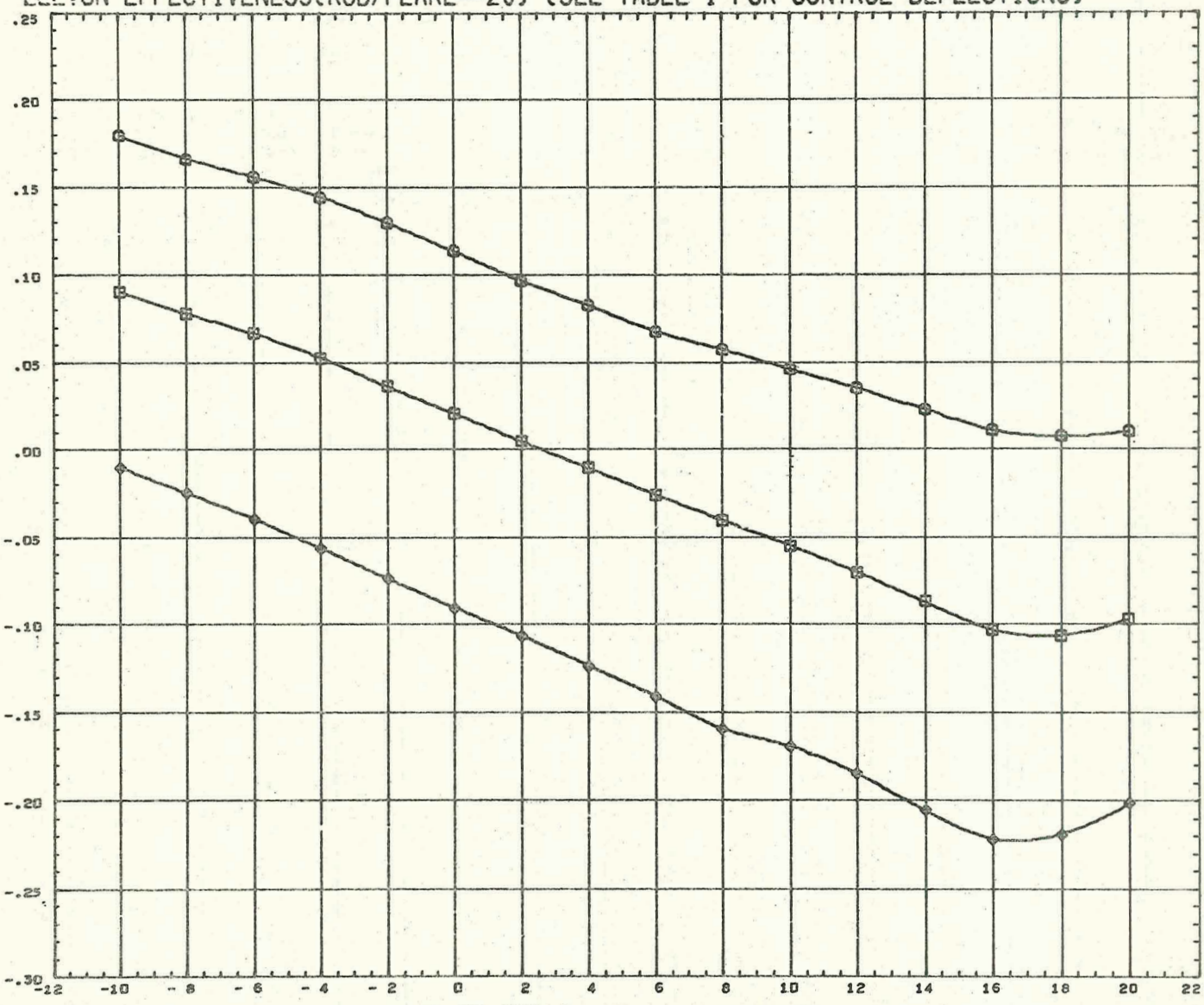
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

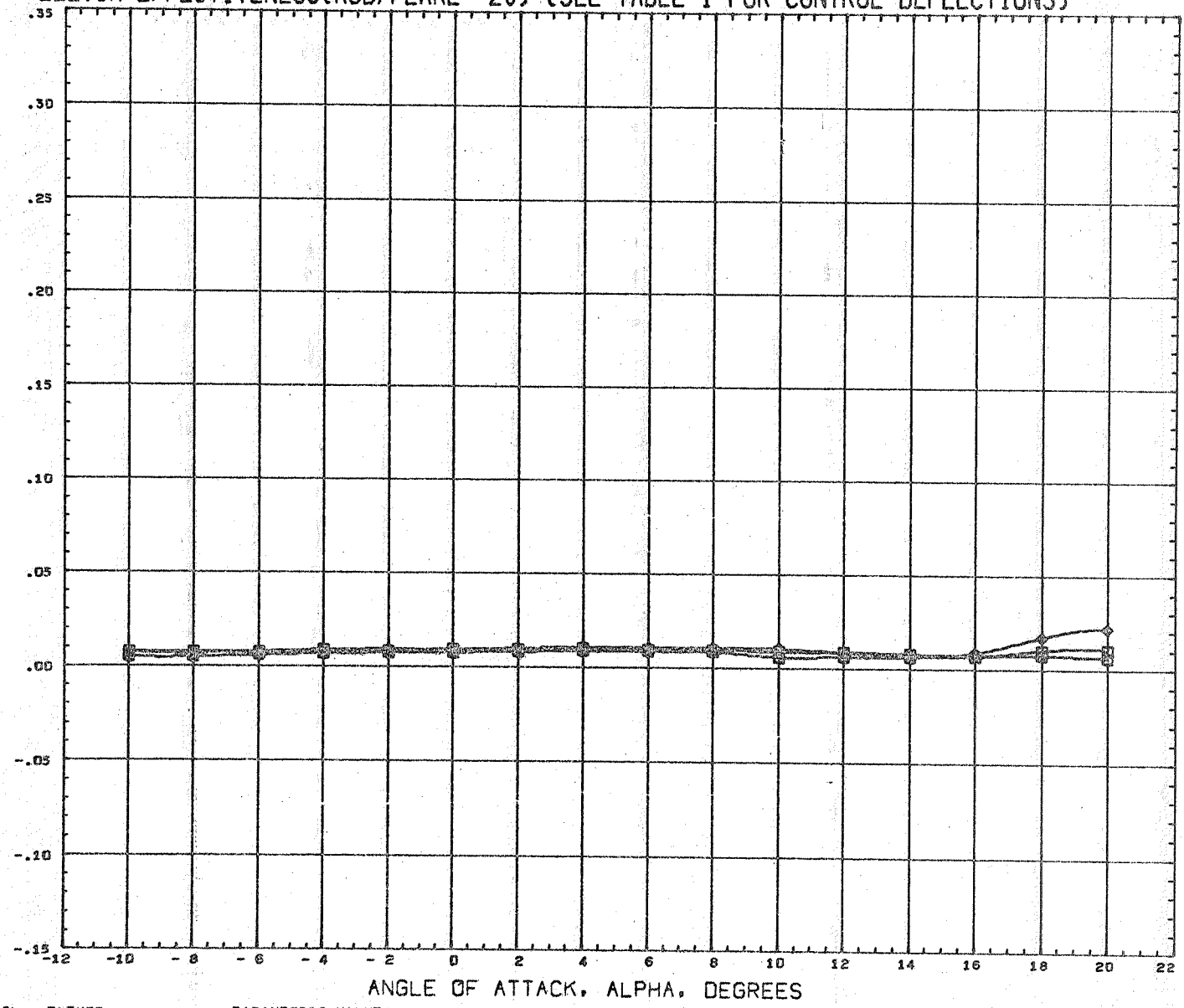


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



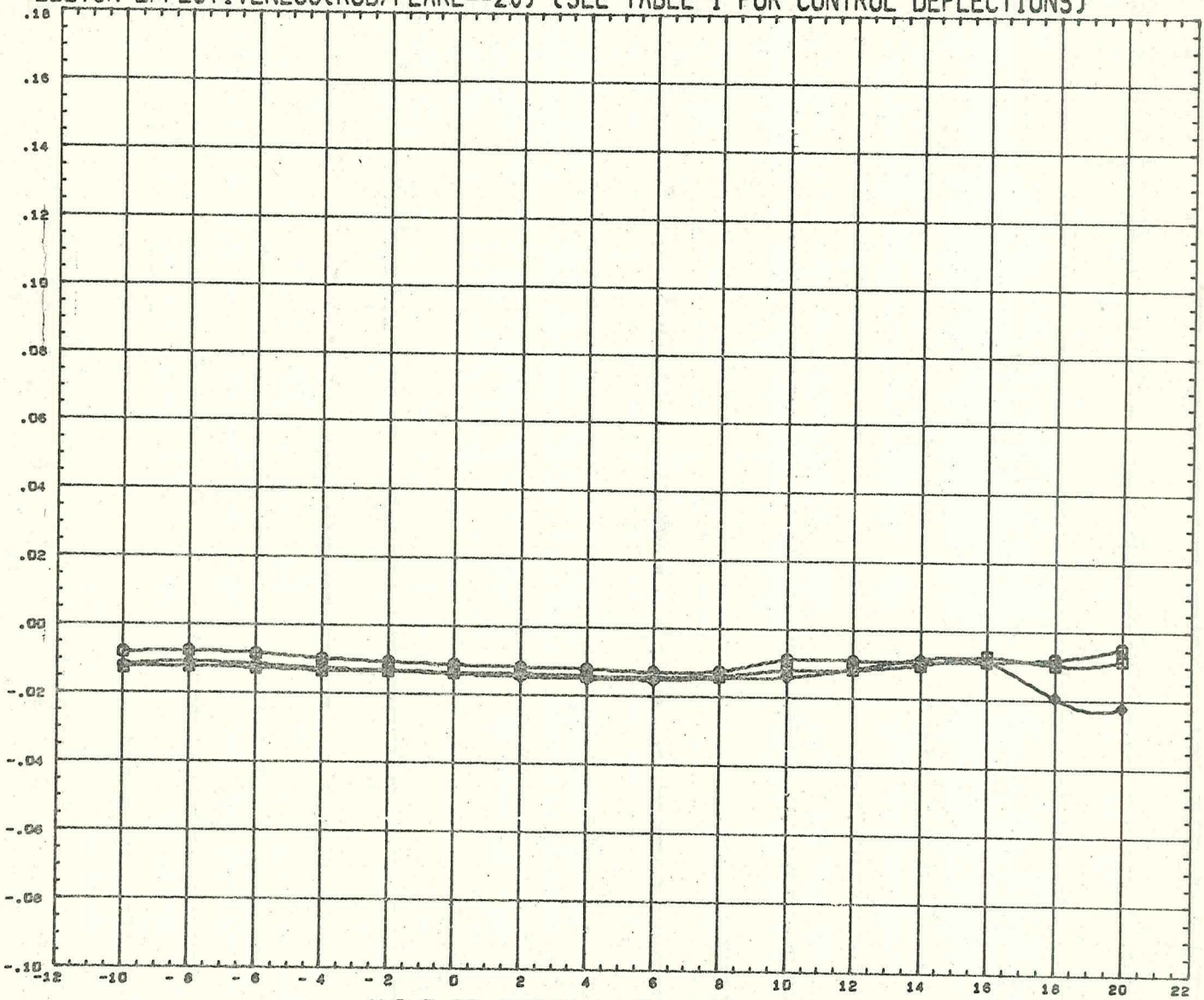
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



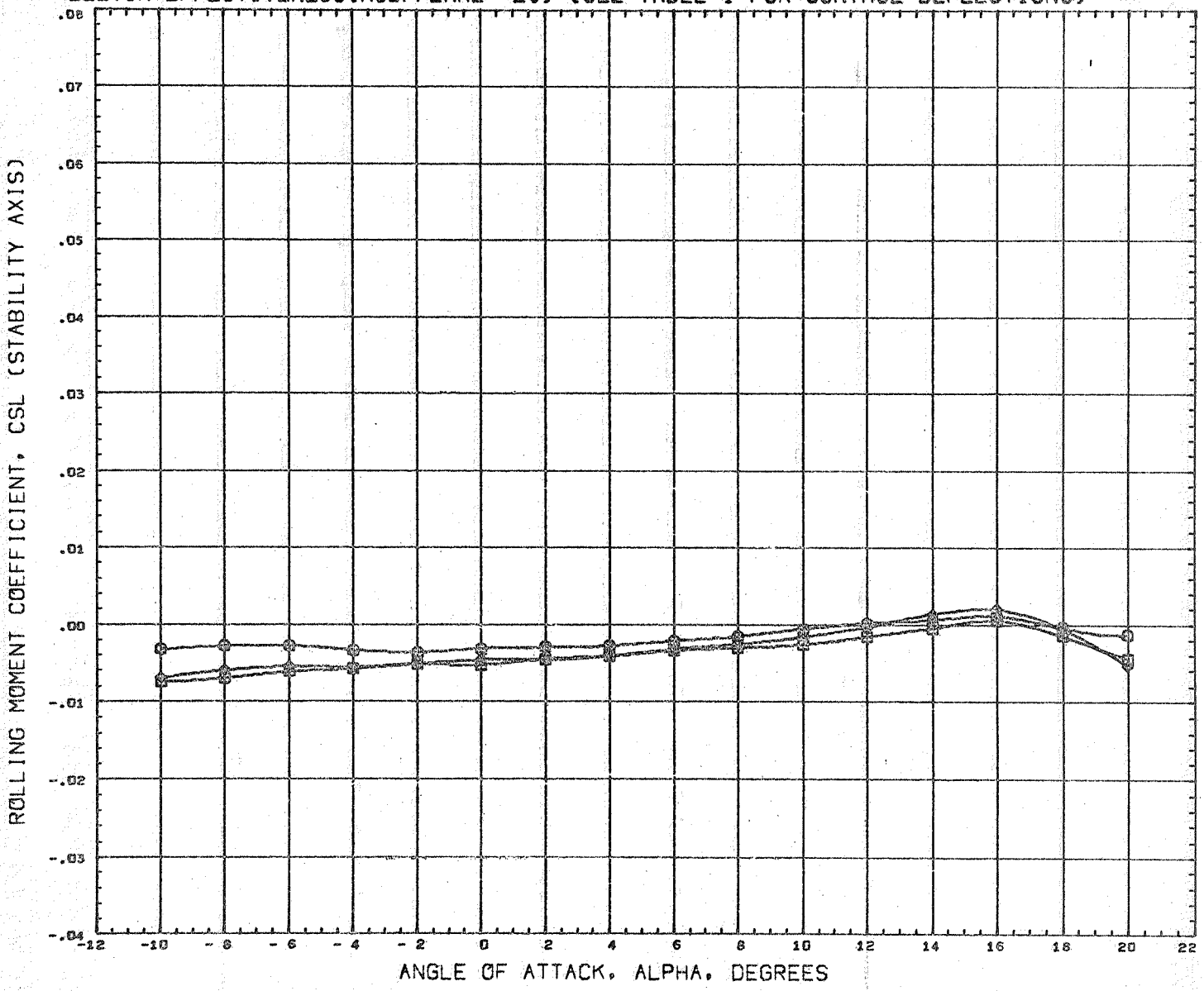
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE.

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

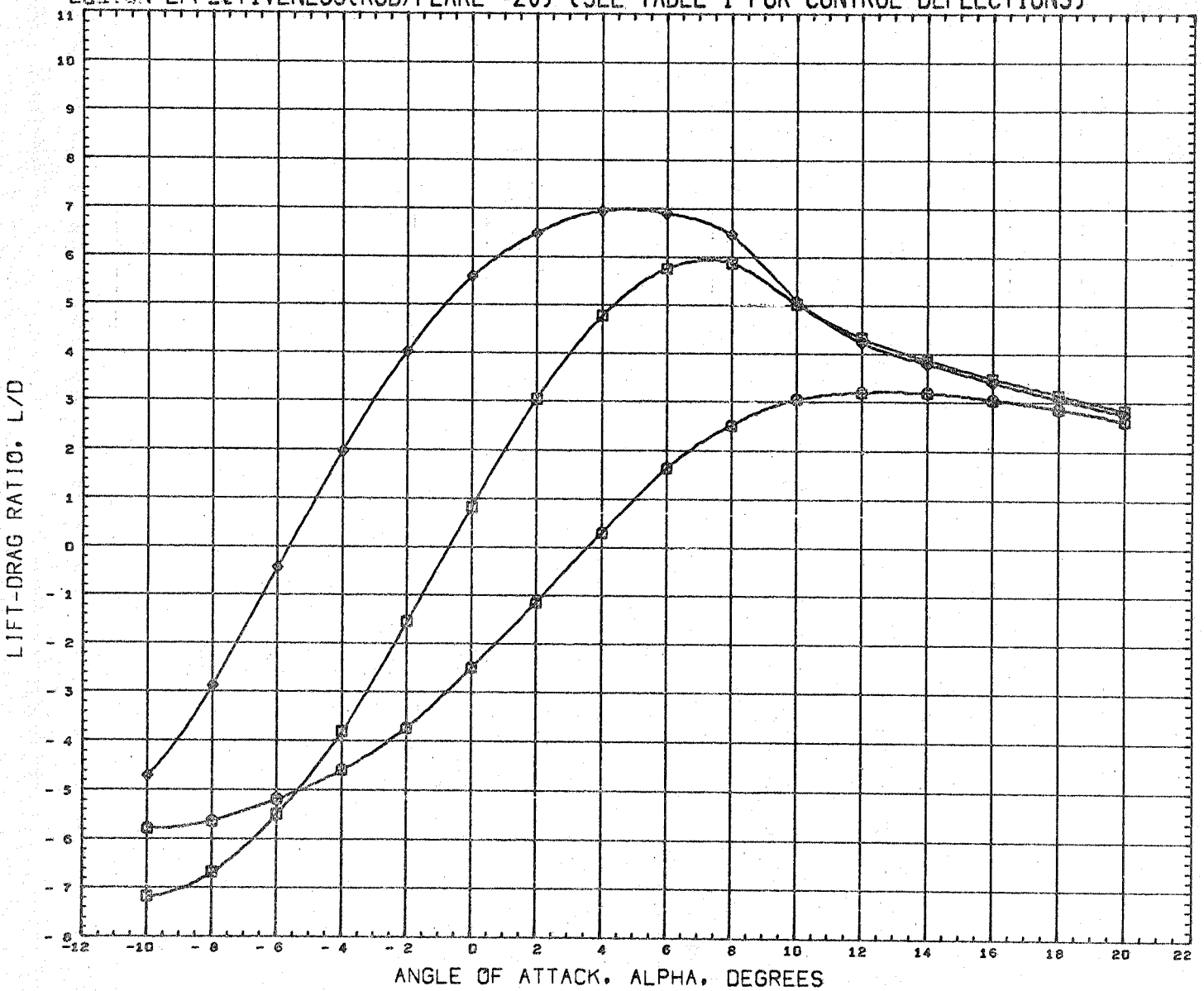


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



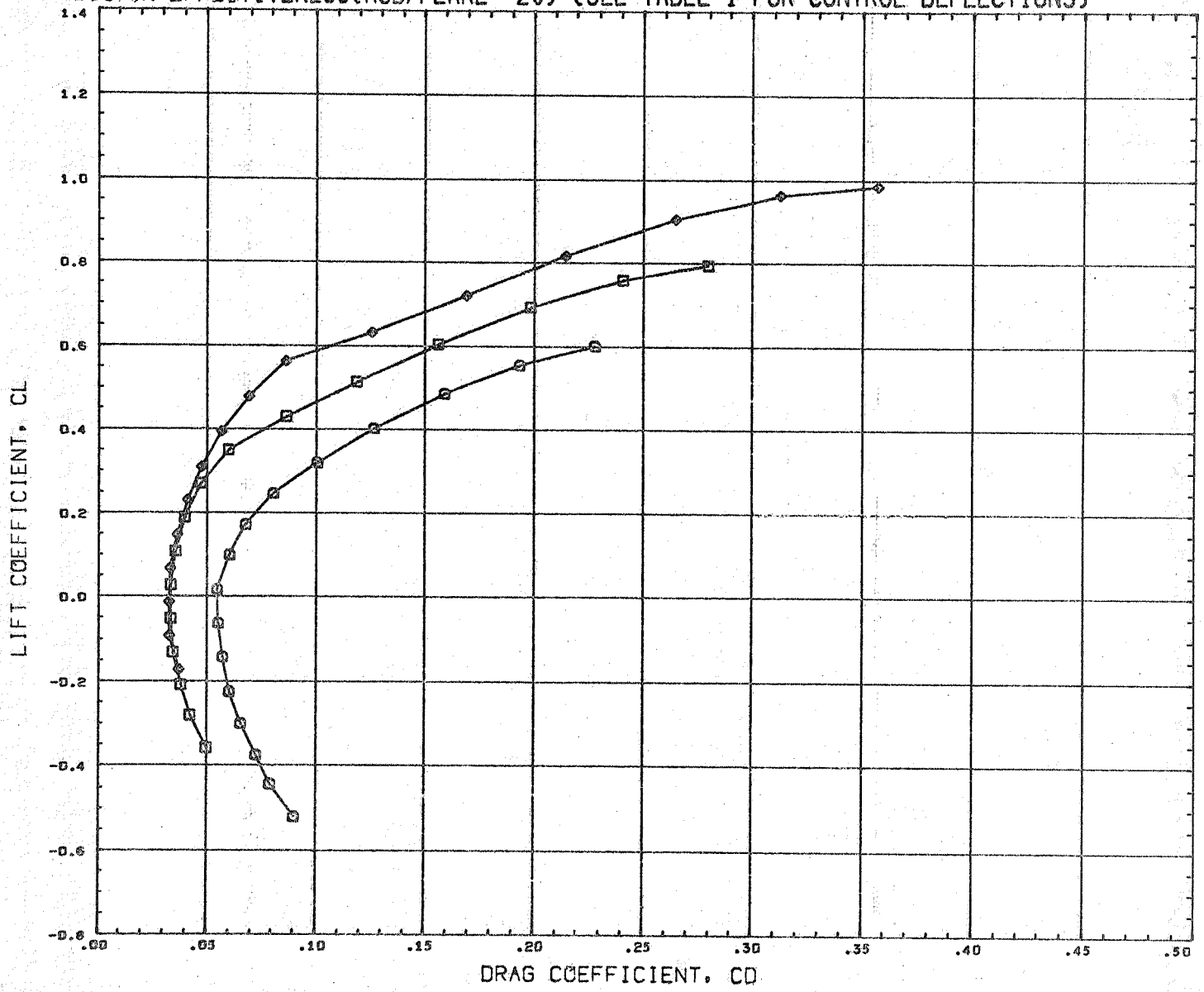
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

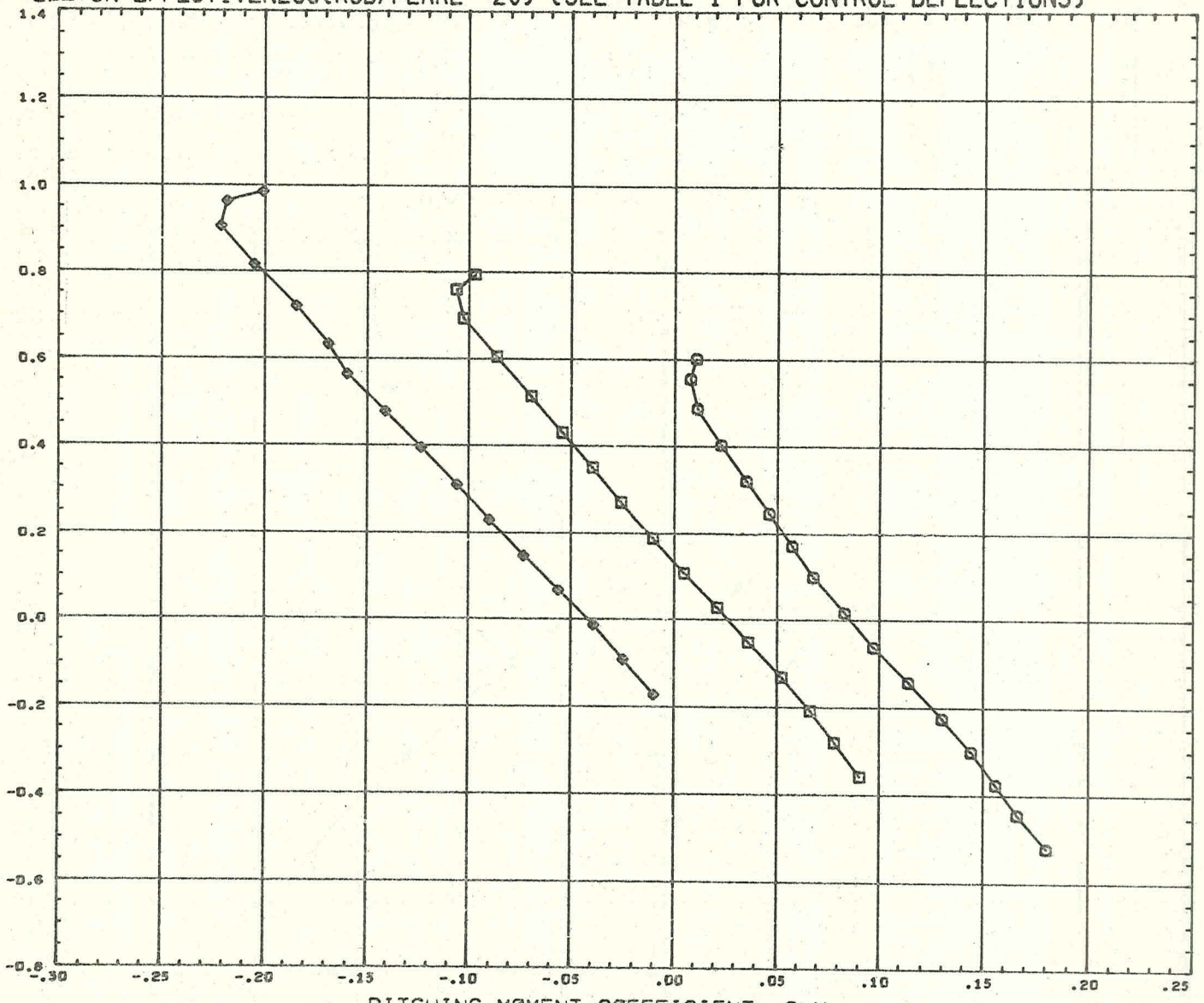


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



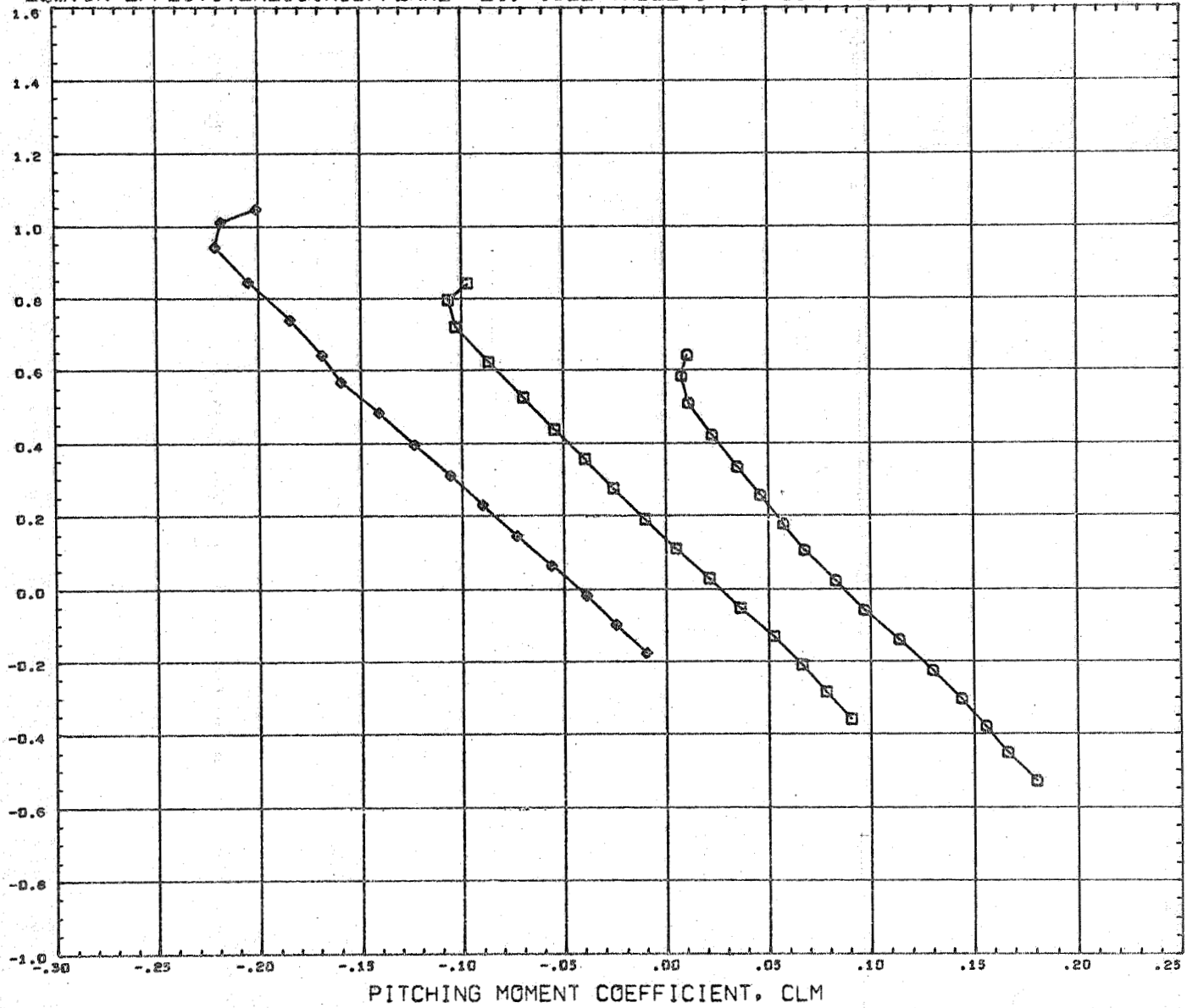
SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

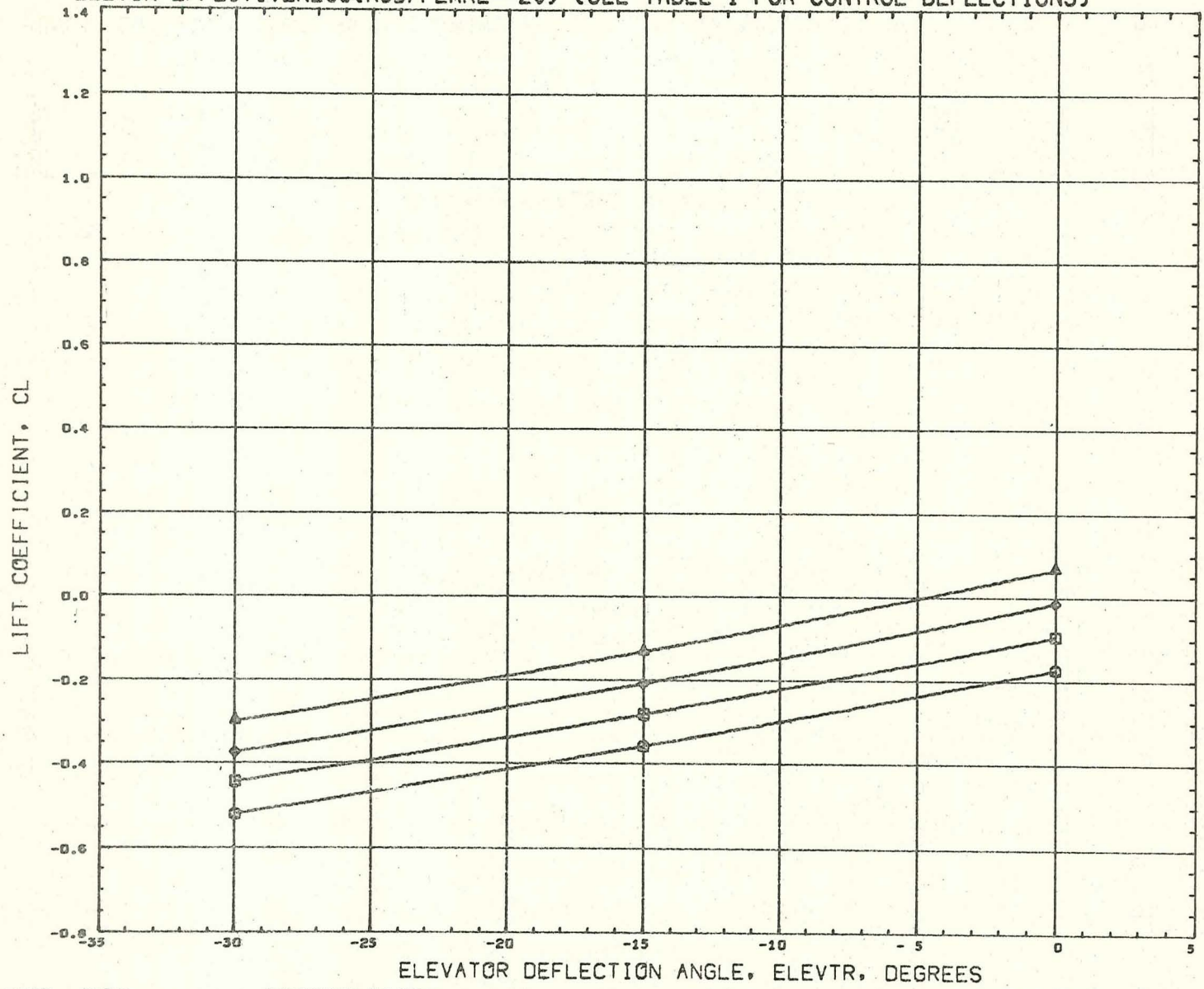


SYMBOL	ELEVTR		PARAMETRIC VALUES		
○	- 30.000	Q(PSF)	90.000	BETA	0.000
□	- 15.000	AILRON	0.000	RUDDER	- 2.500
◇	0.000	RUDDFL	- 22.500		

DATA MIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



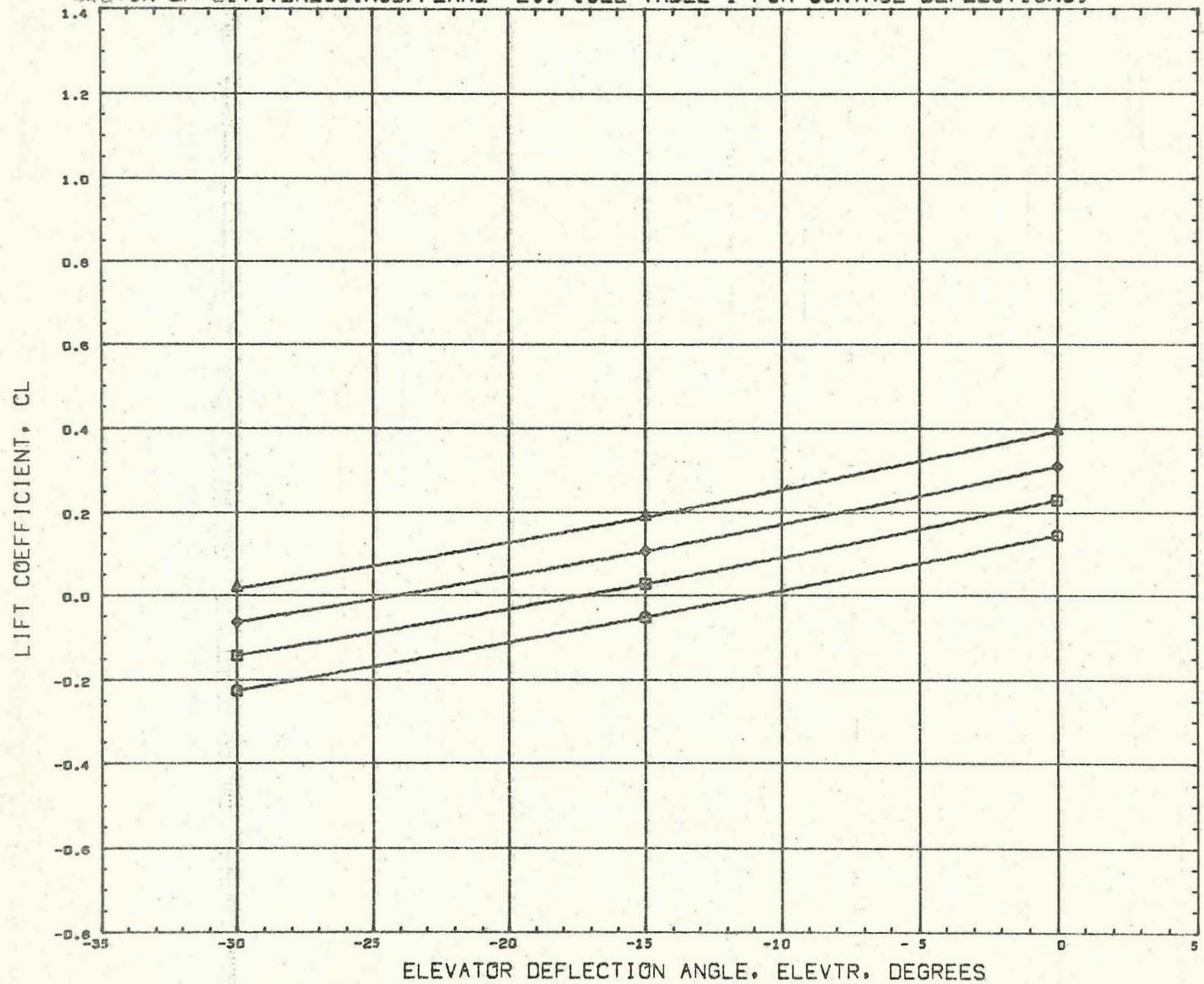
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Φ(PSF)	90.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	- 2.500
◇	- 6.000	RUDDFL	- 22.500		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

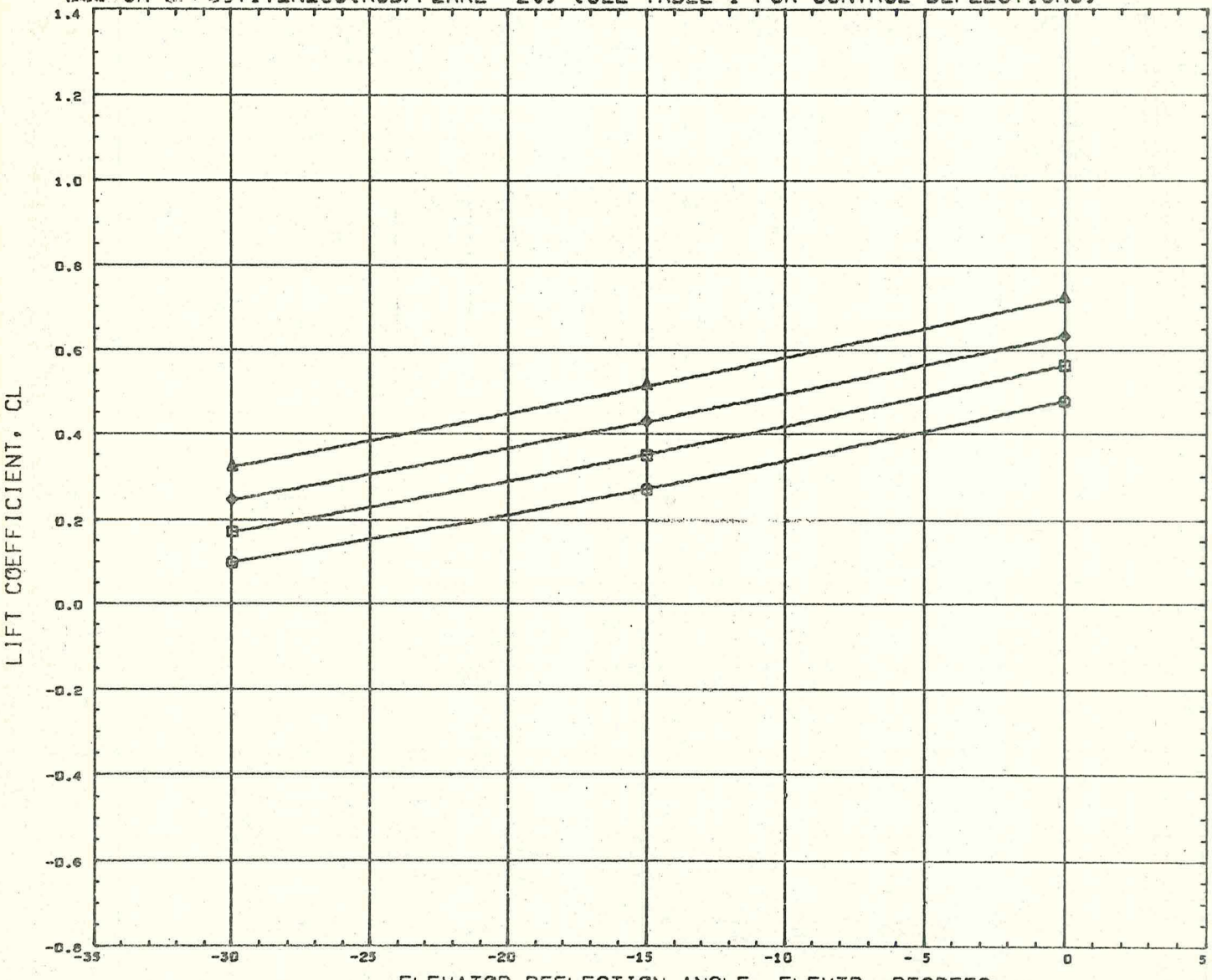
ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA		PARAMETRIC VALUES			REFERENCE INFORMATION		
○	- 2.000	Q(PSF)	90.000	BETA	0.000	REFS	9.5800	SQ.FT.
◇□	0.000	AILRON	0.000	RUDDER	- 2.500	REFL	3.0200	FT.
◇	2.000	RUDDFL	- 22.500			REFB	3.5400	FT.
△	4.000					XMRP	4.2210	FT.
						YMRP	0.0000	FT.
						ZMRP	0.6670	FT.
						SCALE	4.0000	PER CE

DATA MIST. CODE V*EIF

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



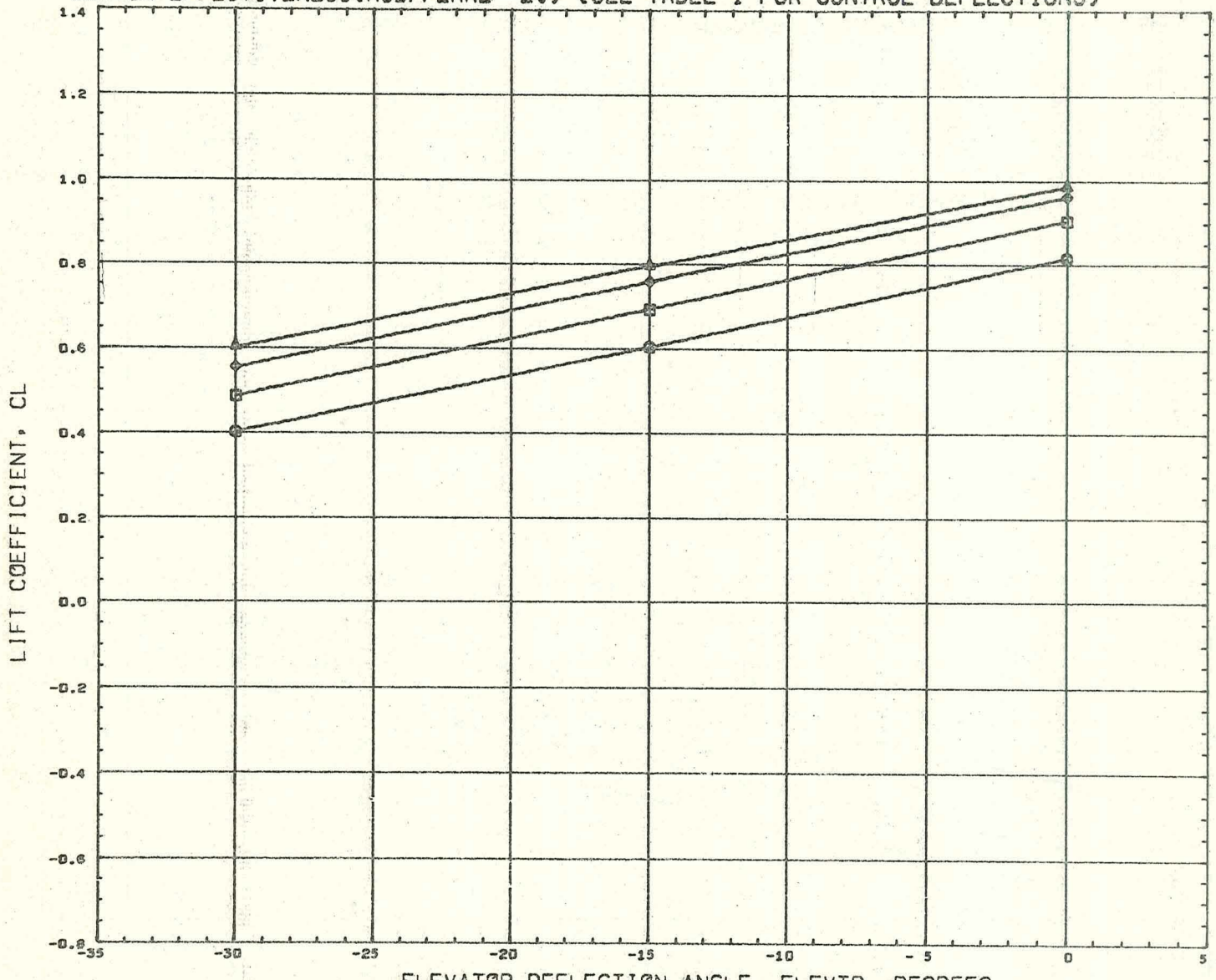
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	90.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	- 2.500
◇	10.000	RUDDFL	- 22.500		
△	12.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVØN EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FØR CONTRØL DEFLECTIONS)



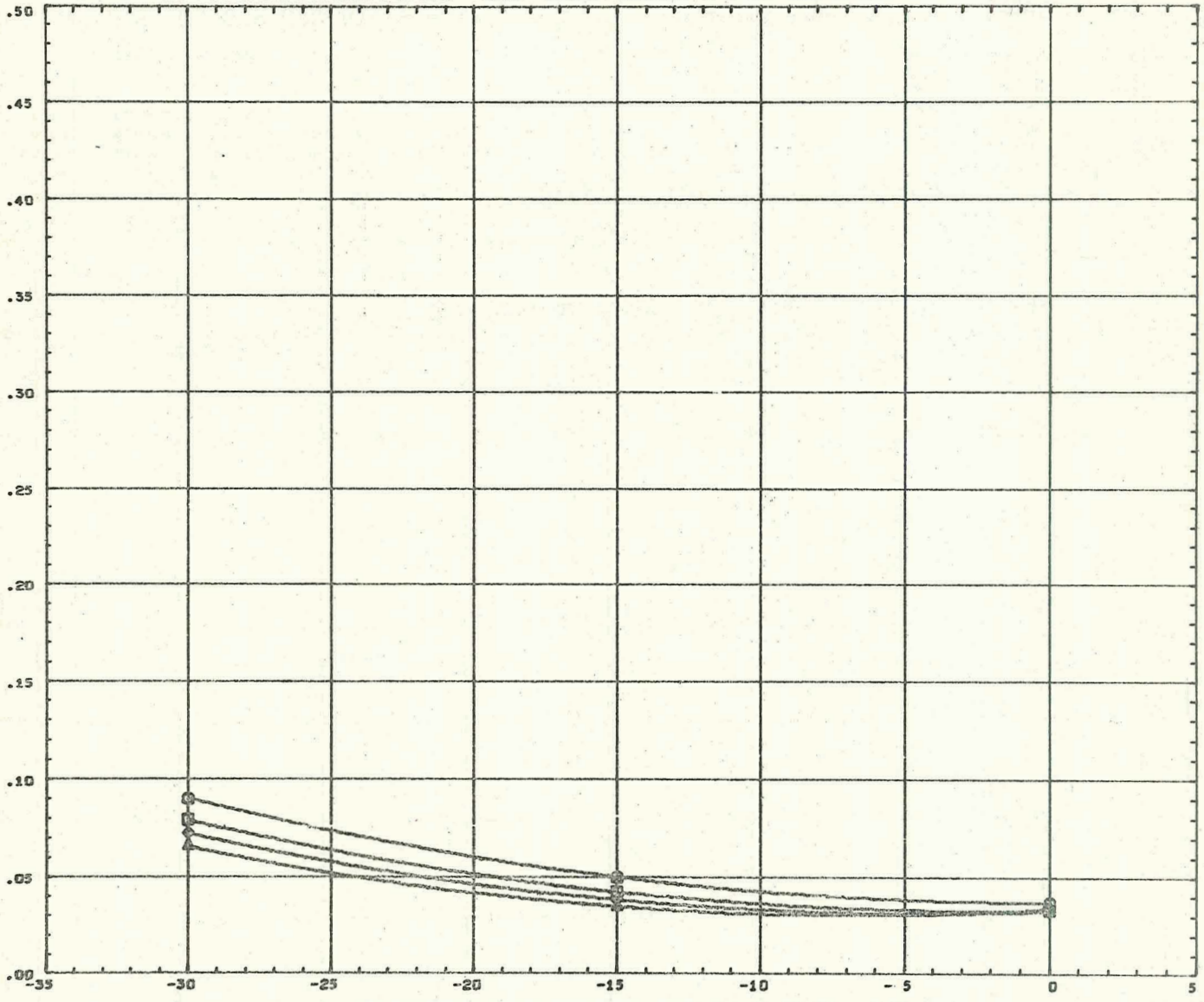
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V≠EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



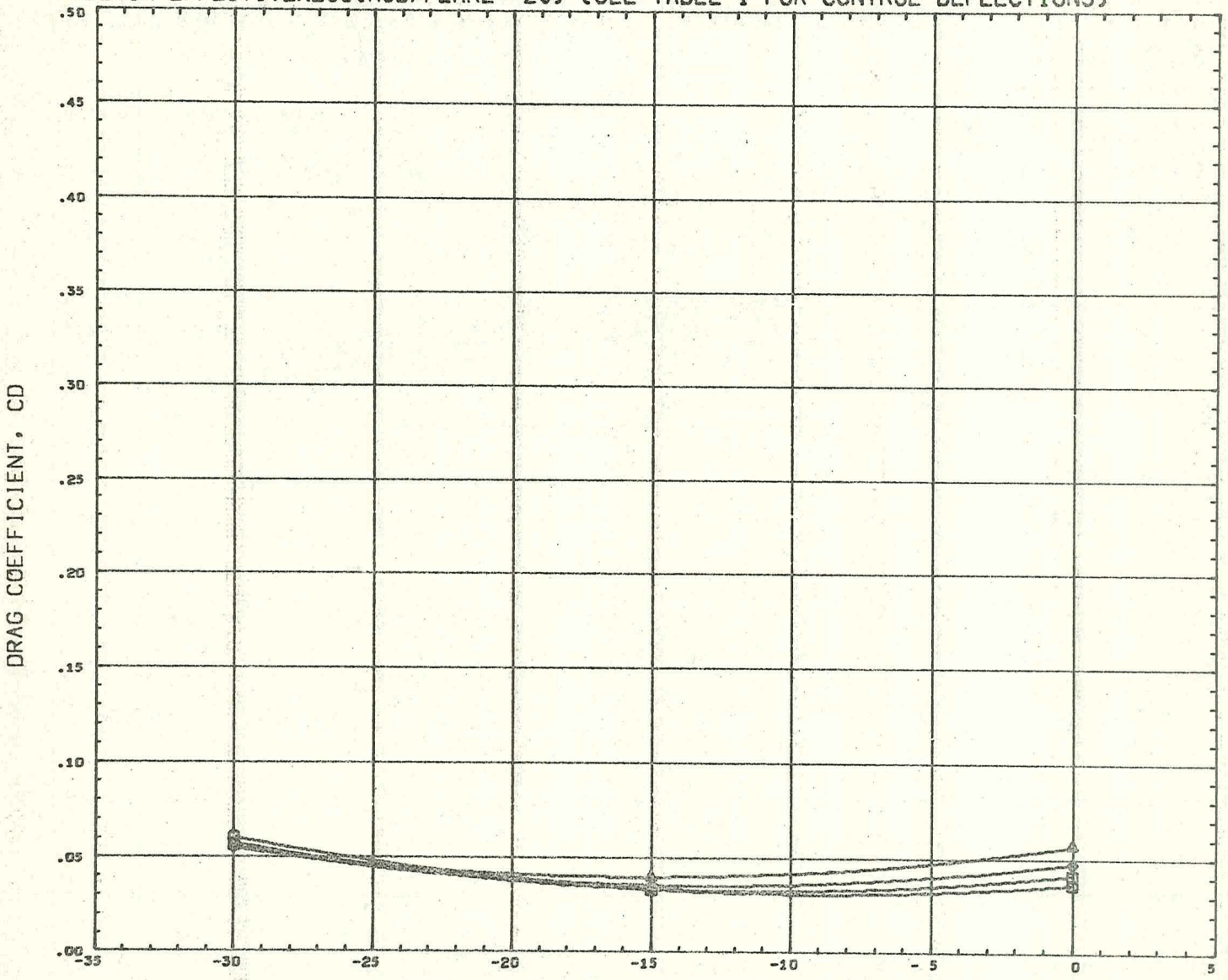
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	90.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	- 2.500
◇	- 6.000	RUDDFL	- 22.500		
△	- 4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



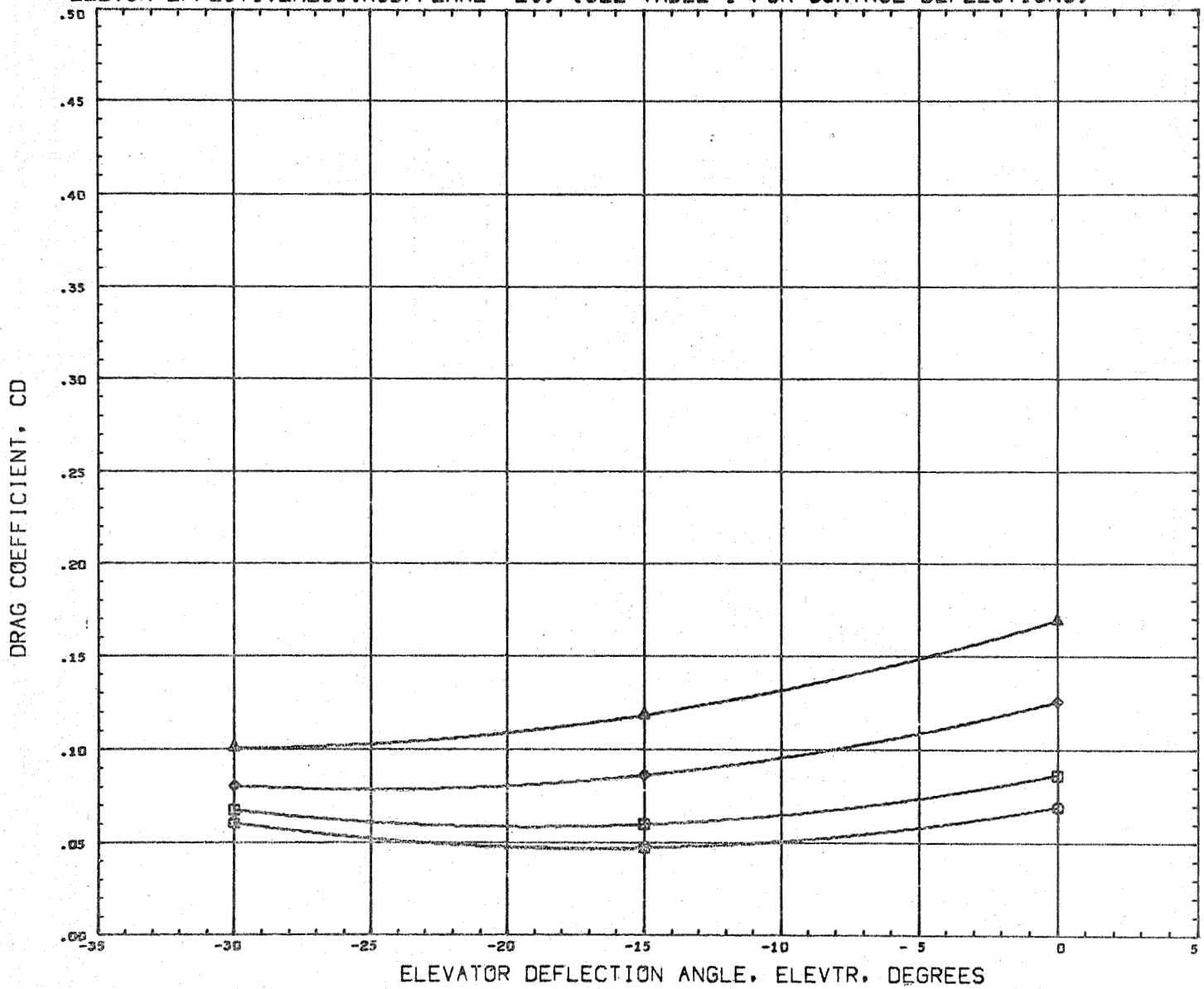
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 2.000	Q(PSF)	90.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	2.000	RUDDFL	- 22.500		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

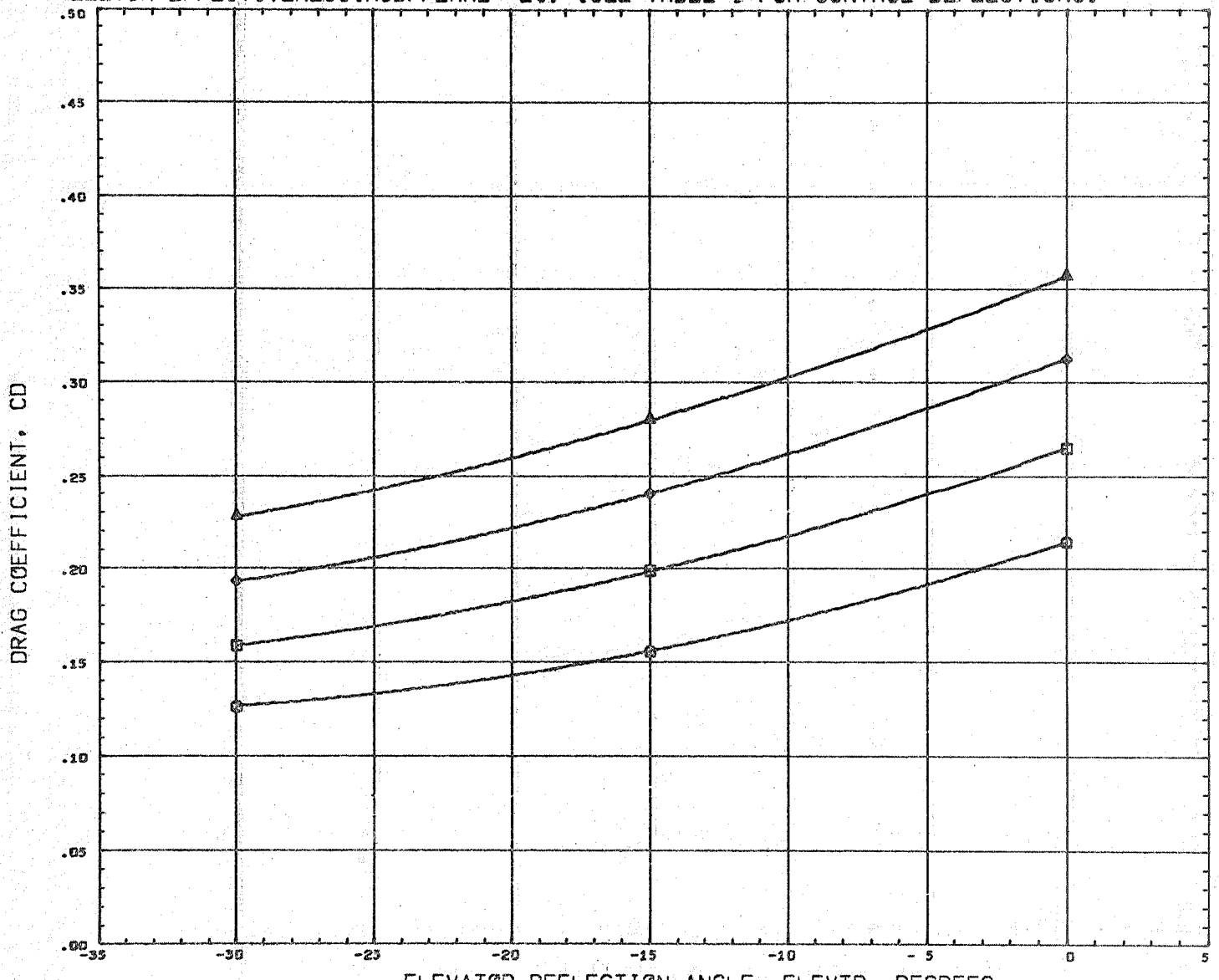
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	14.000
□	16.000
◇	18.000
△	20.000

PARAMETRIC VALUES

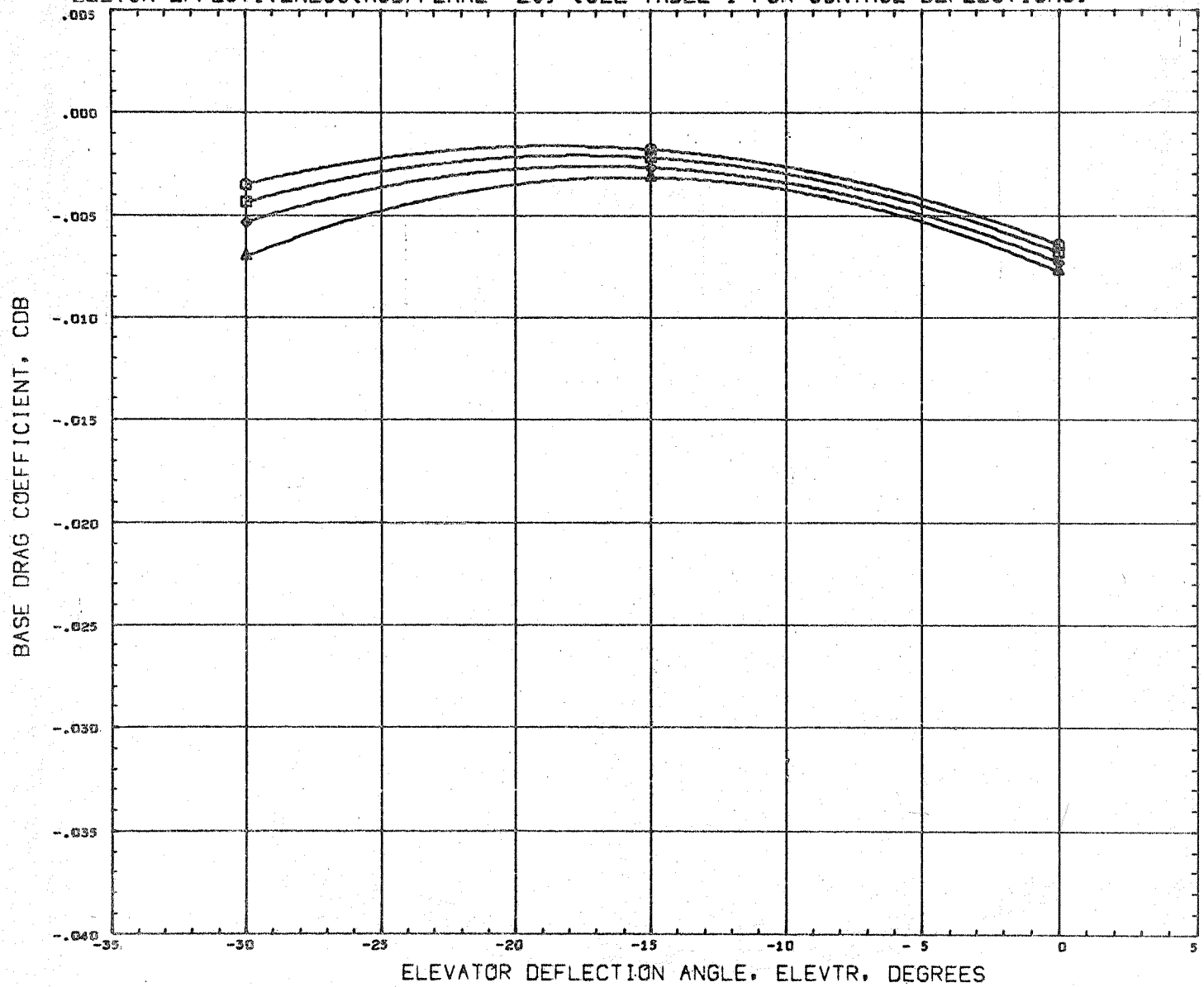
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	- 10.000
□	- 8.000
◇	- 6.000
△	- 4.000

PARAMETRIC VALUES

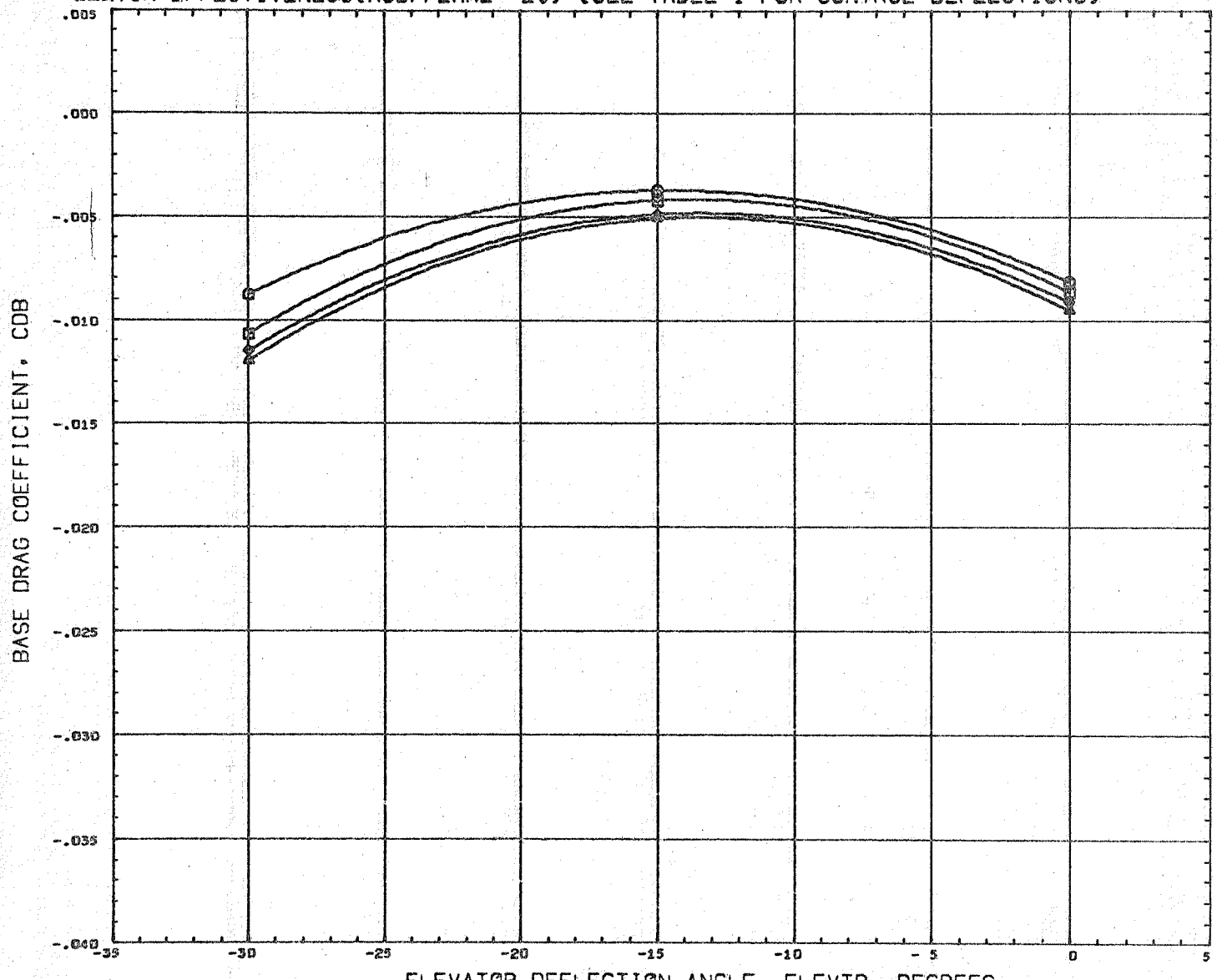
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



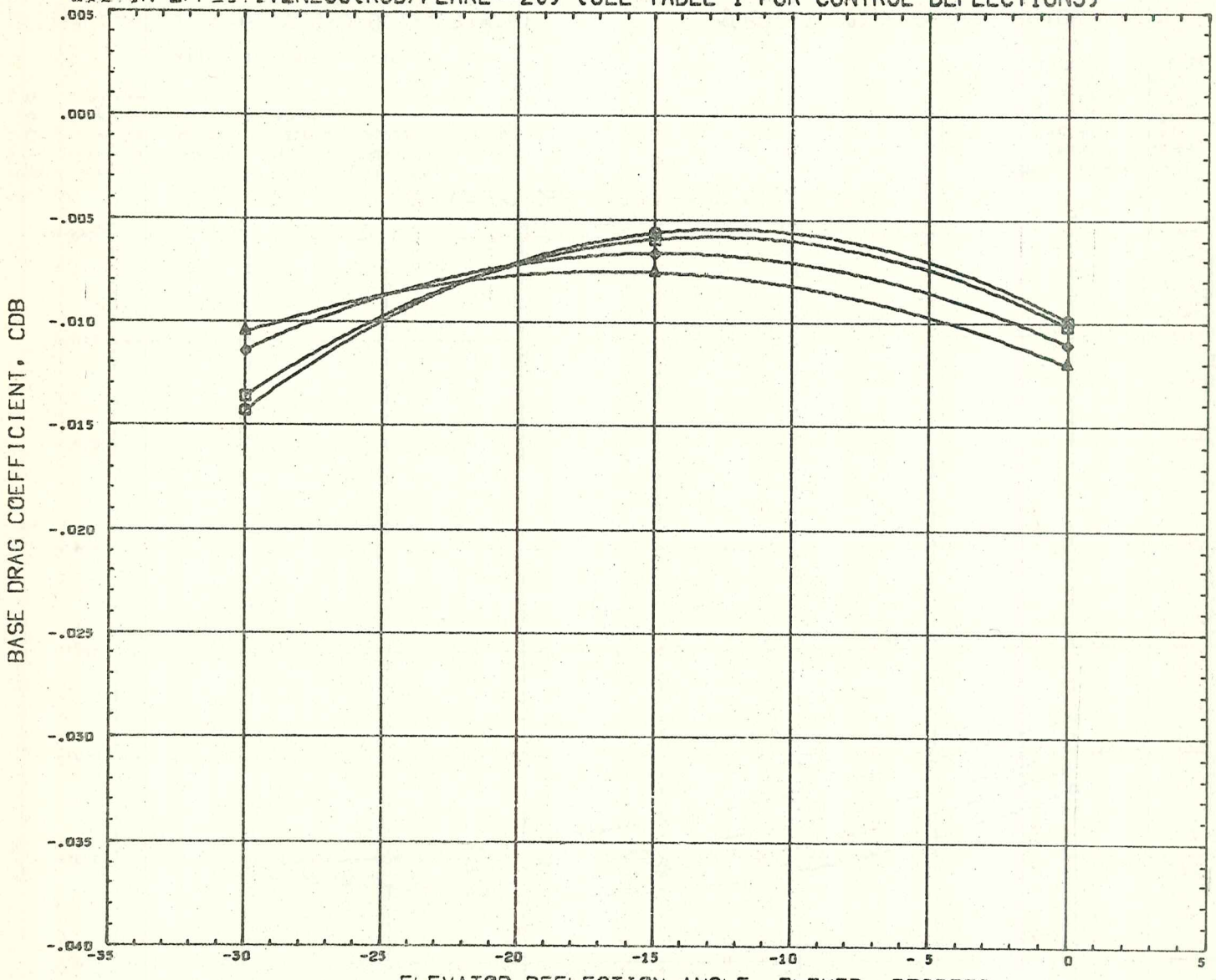
SYMBOL	ALPHA		PARAMETRIC VALUES			
○	- 2.000	Q(FSF)	90.000	BETA	0.000	
□	0.000	AILRON	0.000	RUDDER	- 2.500	
◇	2.000	RUDDFL	- 22.500			
△	4.000					

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

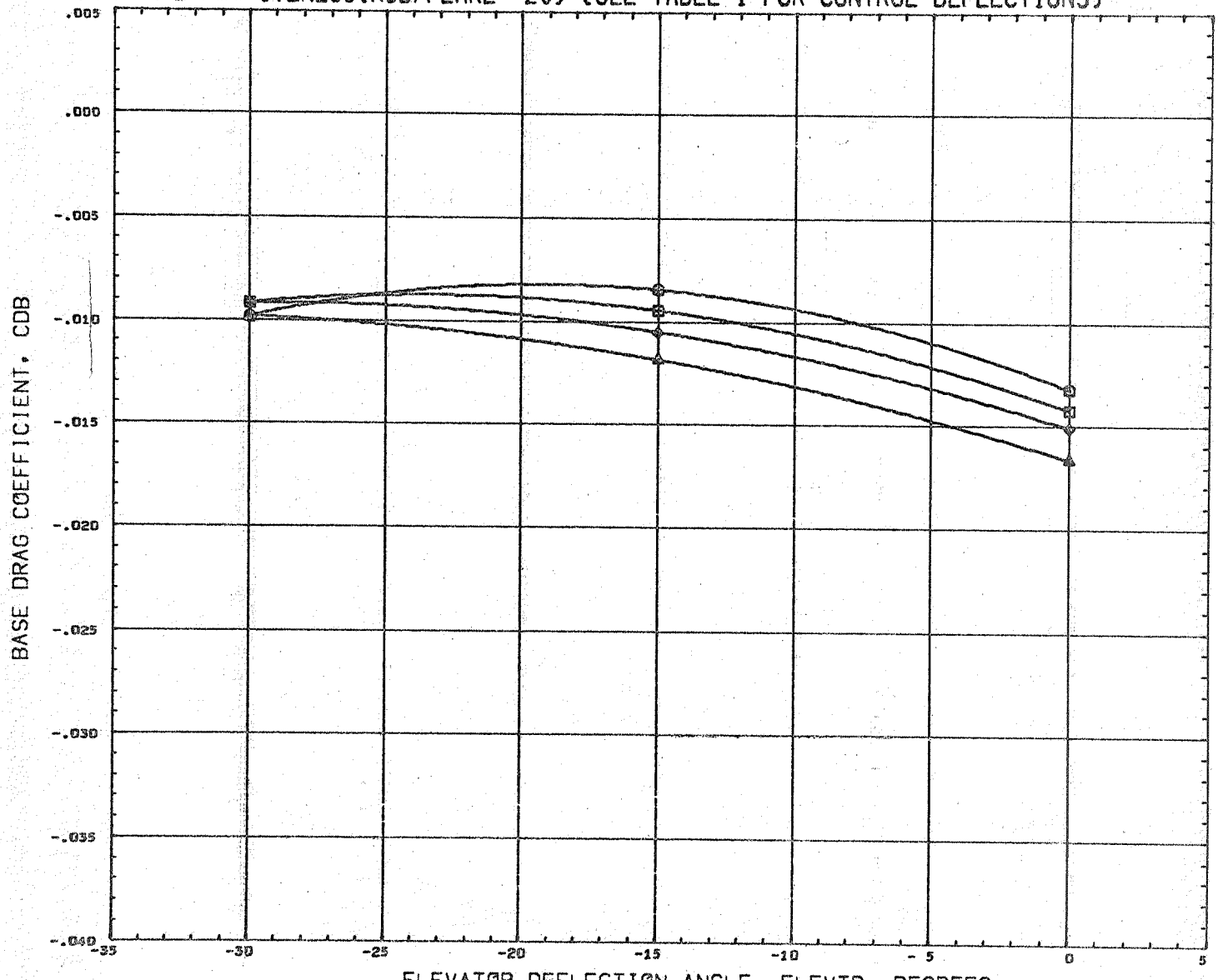
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



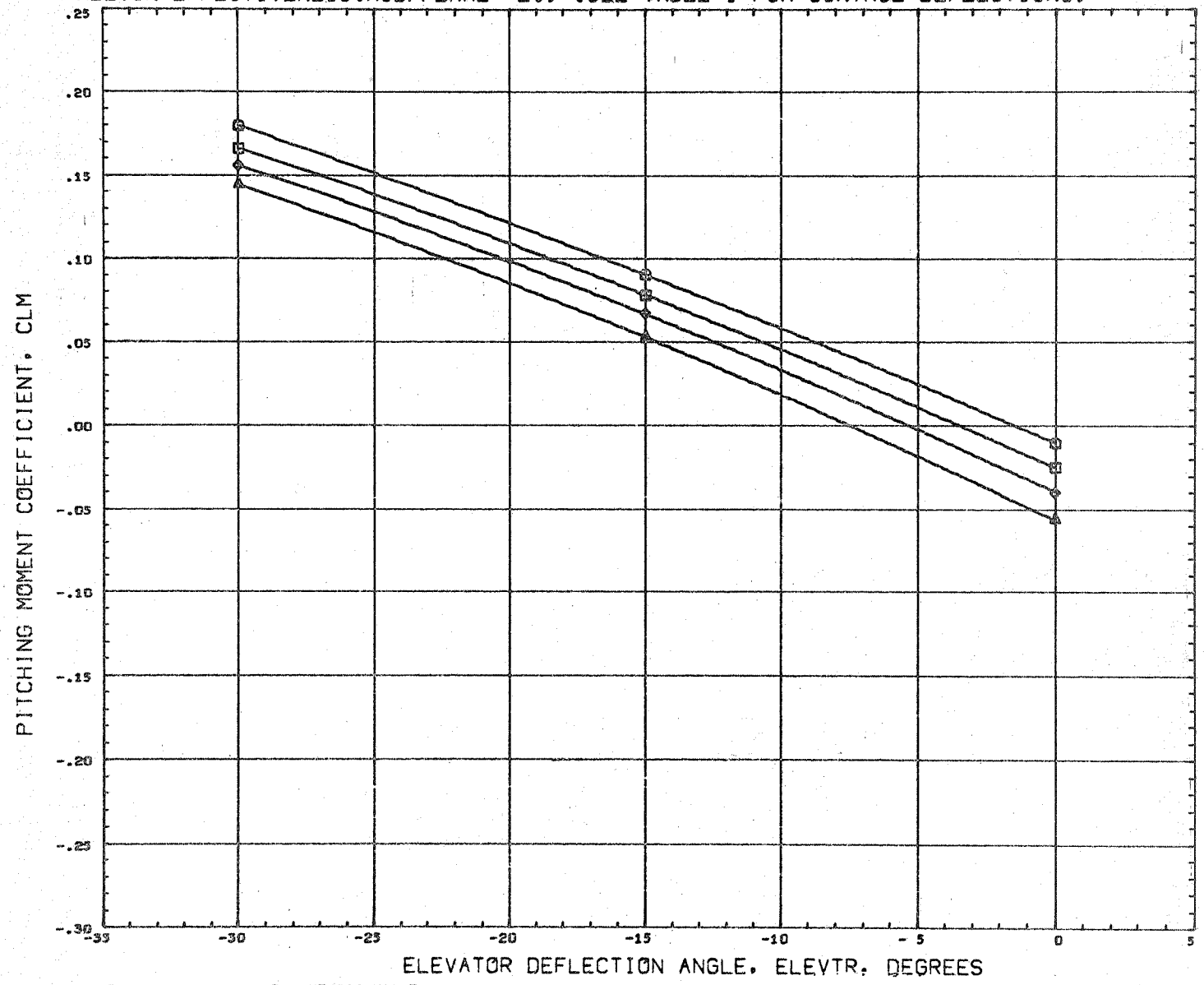
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

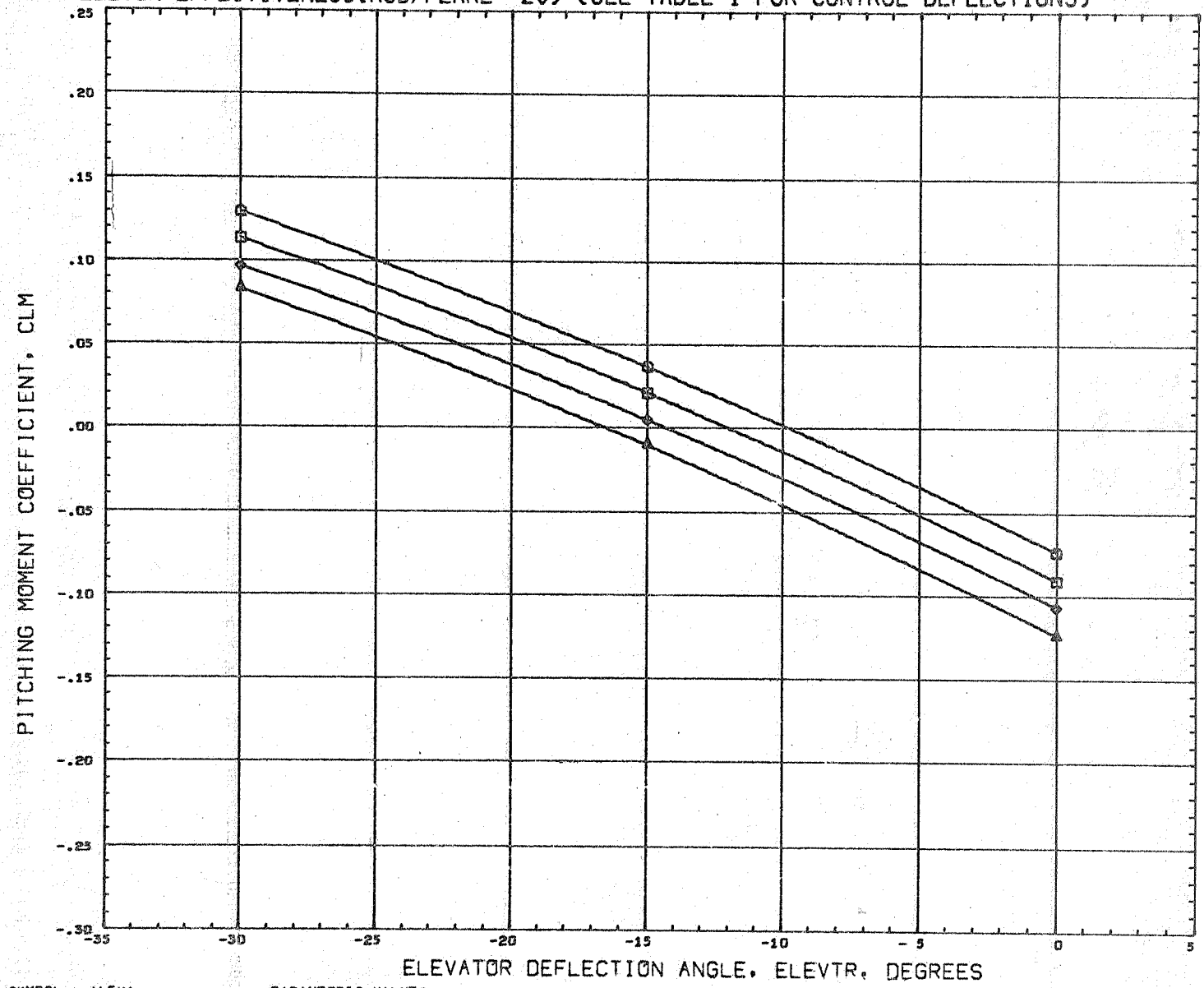


SYMBOL	ALPHA		PARAMETRIC VALUES			
○	- 10.000	Q(PSF)	90.000	BETA		0.000
□	- 8.000	AILRON	0.000	RUDDER	-	2.500
◇	- 6.000	RUDDFL	- 22.500			
△	- 4.000					

DATA HIST. CODE V*EIF

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	- 2.000
□	0.000
◇	2.000
△	4.000

PARAMETRIC VALUES

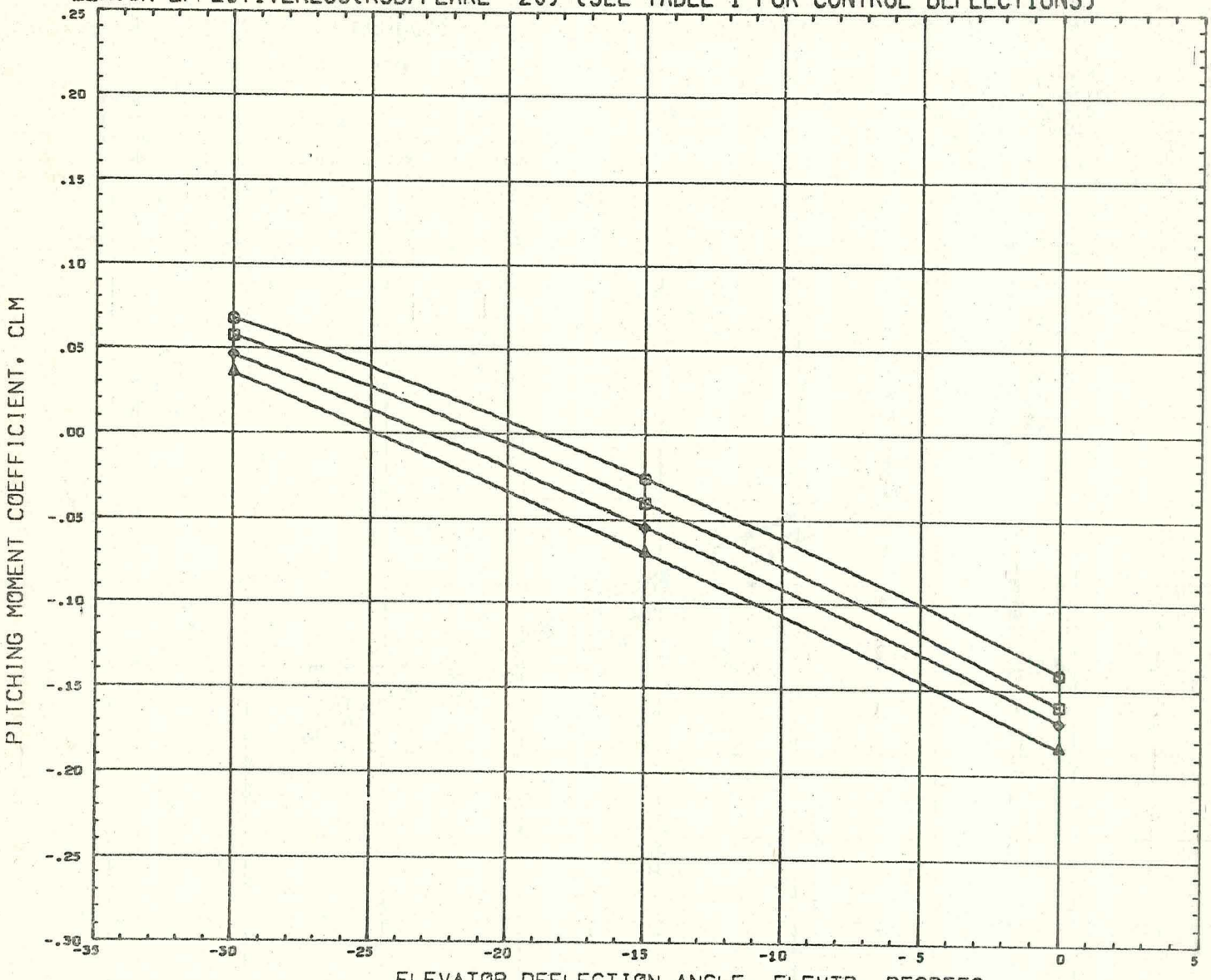
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

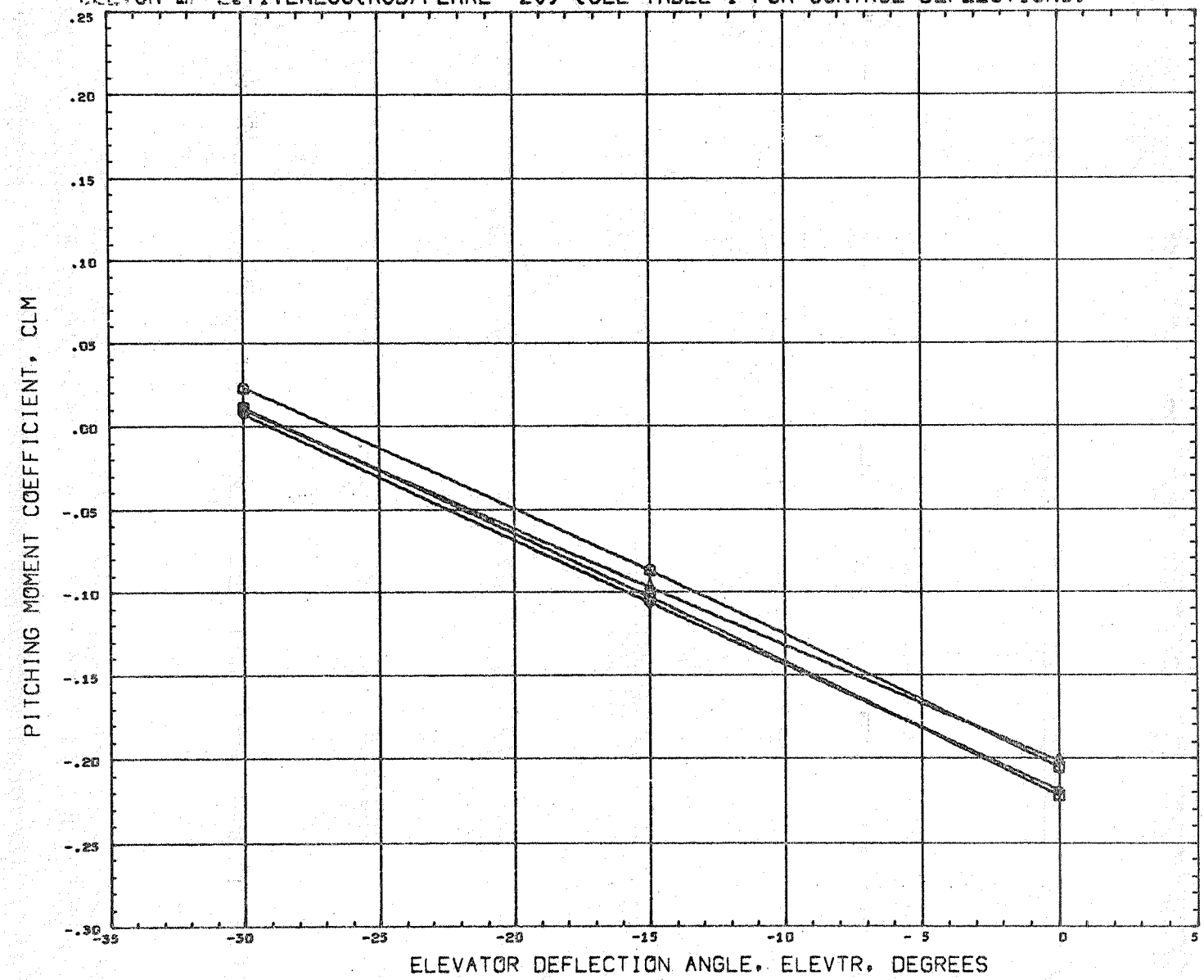
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



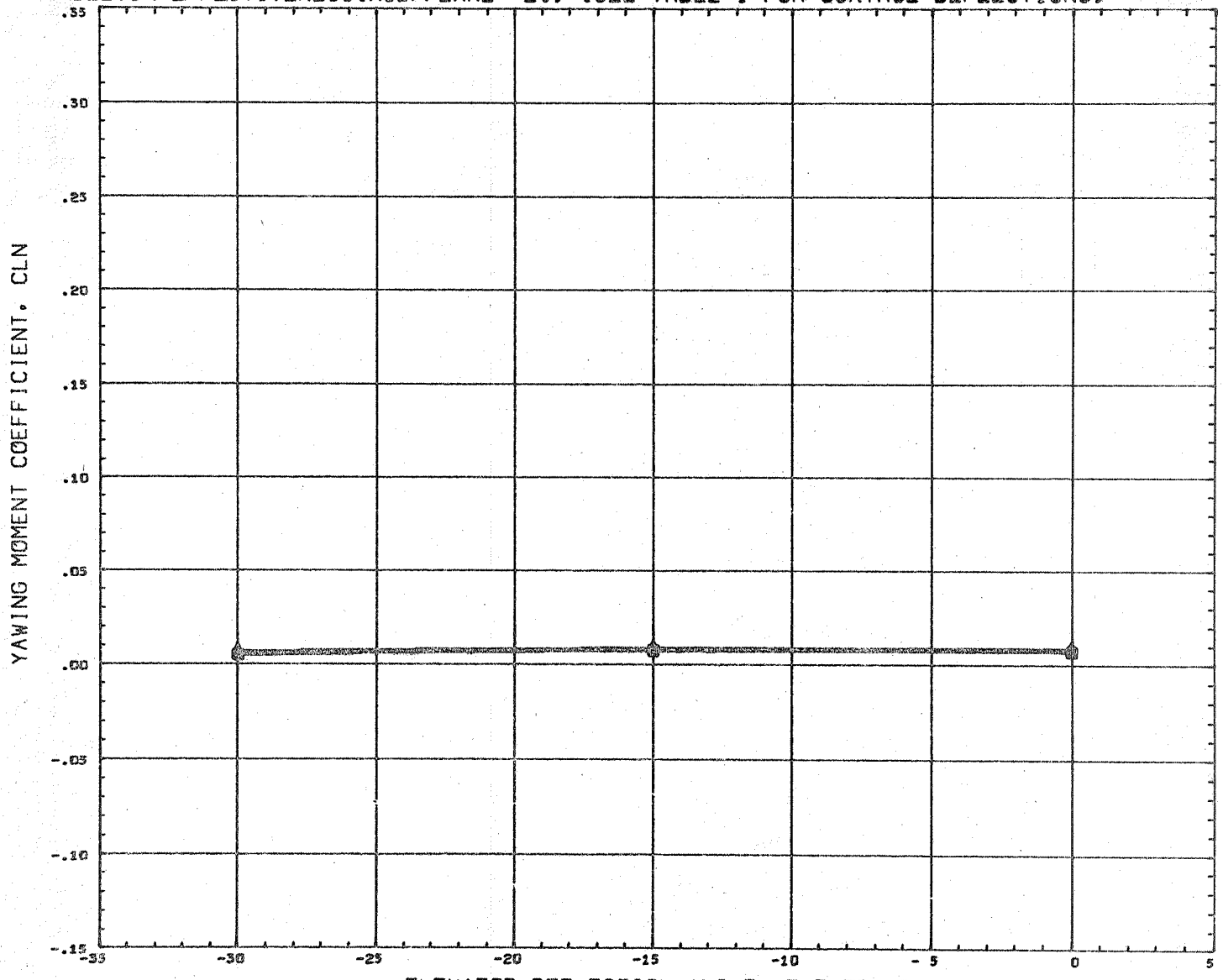
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



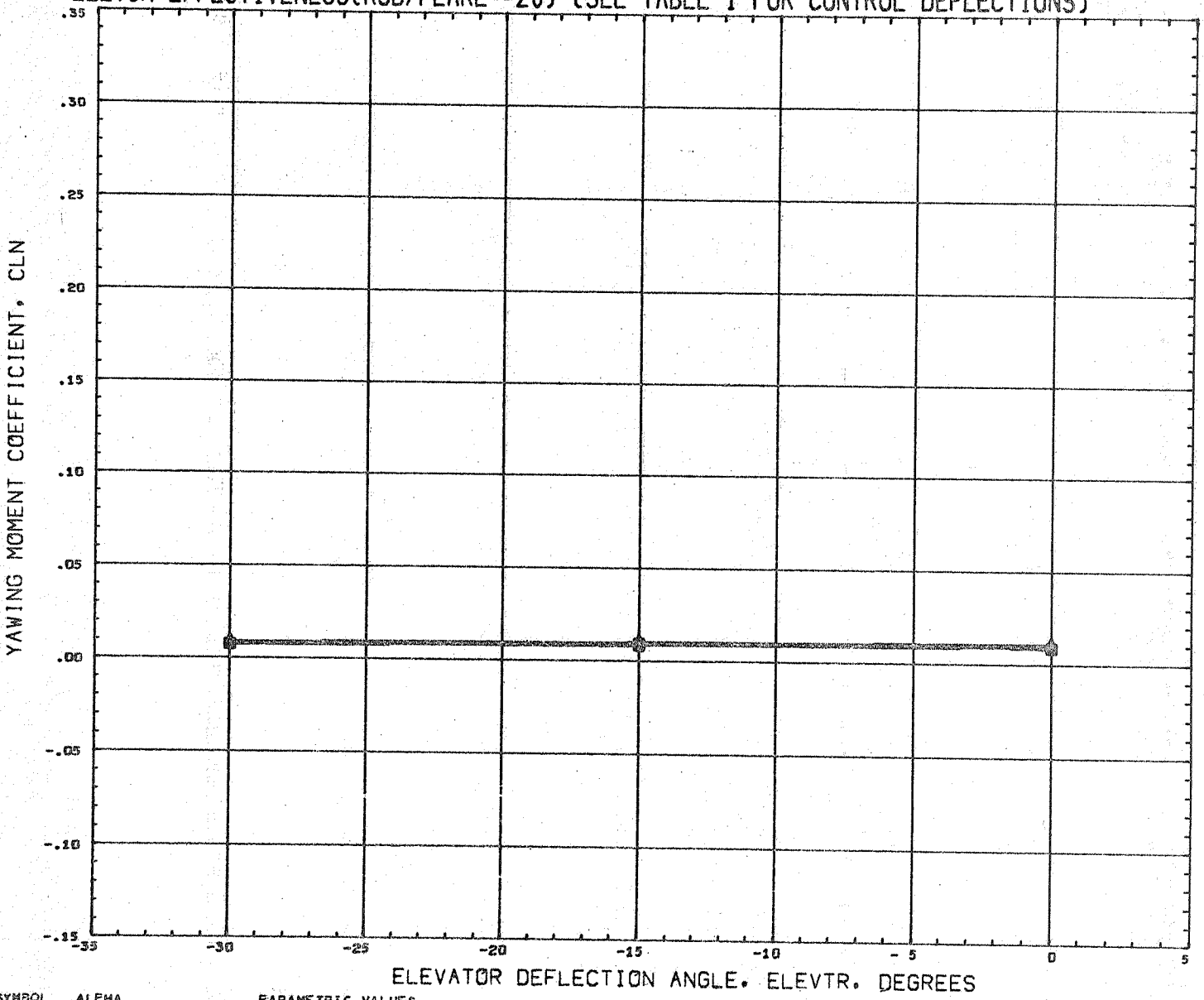
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	90.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	- 2.500
◇	- 6.000	RUDDFL	- 22.500		
△	- 4.000				

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	- 2.000
□	0.000
◇	2.000
△	4.000

PARAMETRIC VALUES

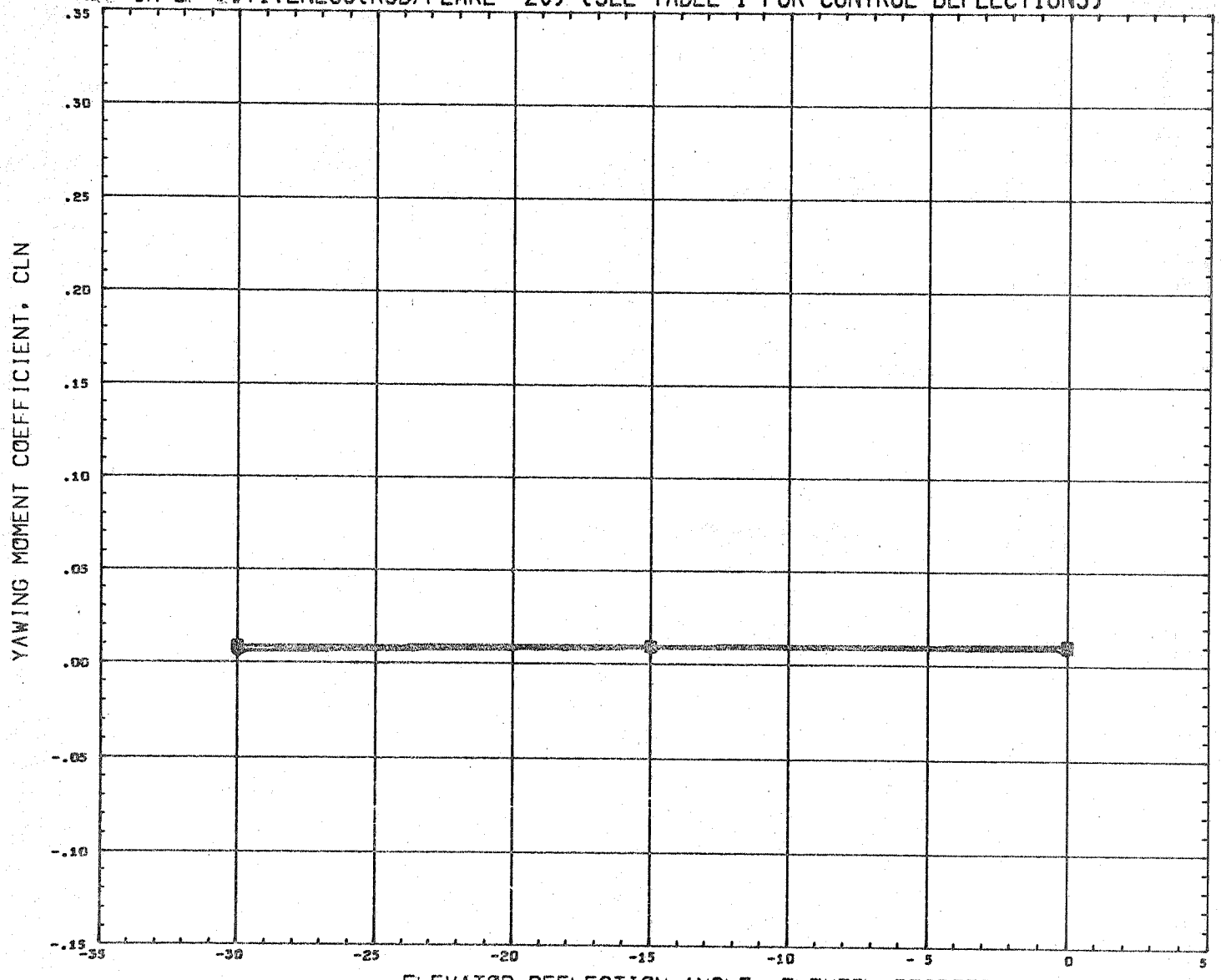
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

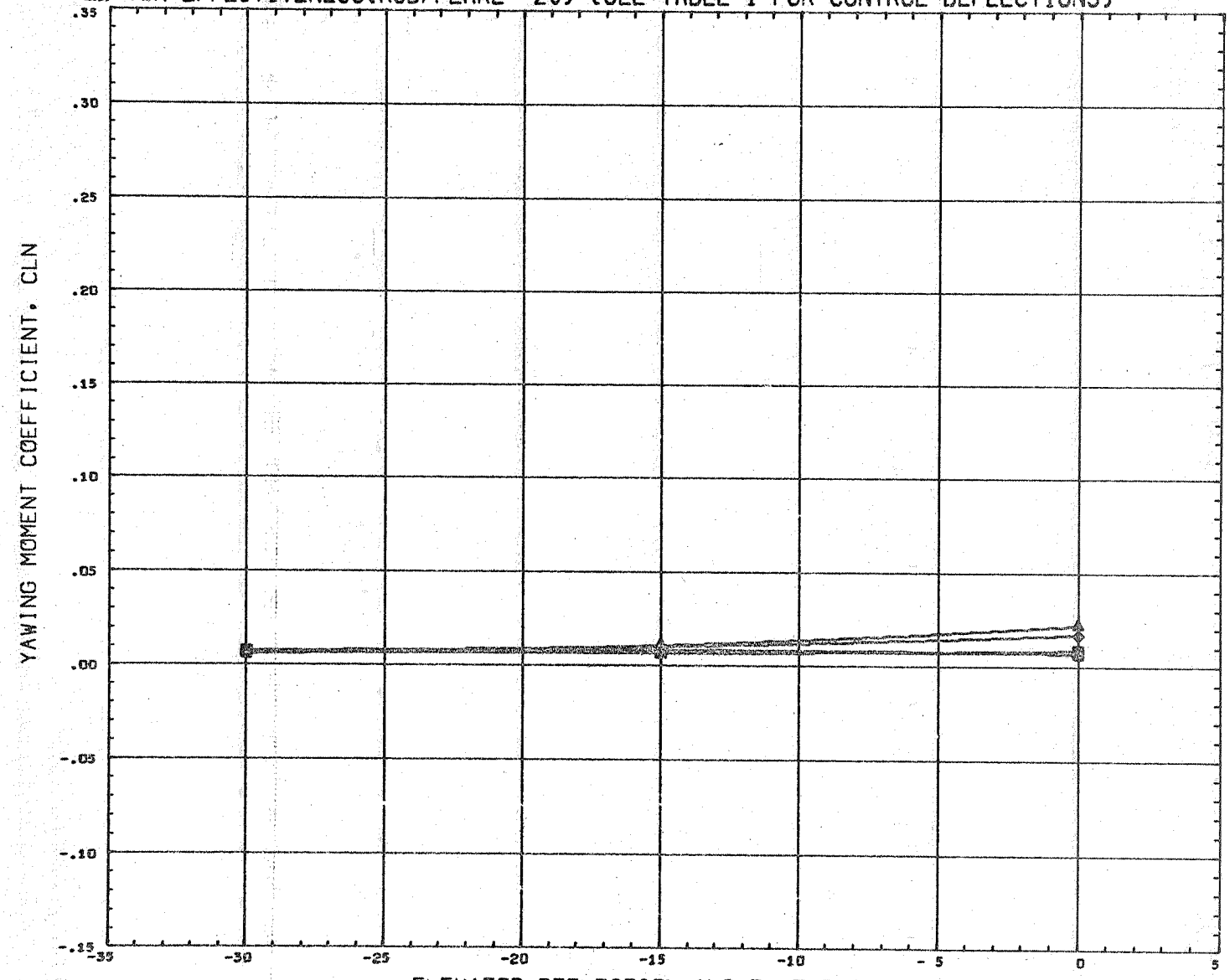
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



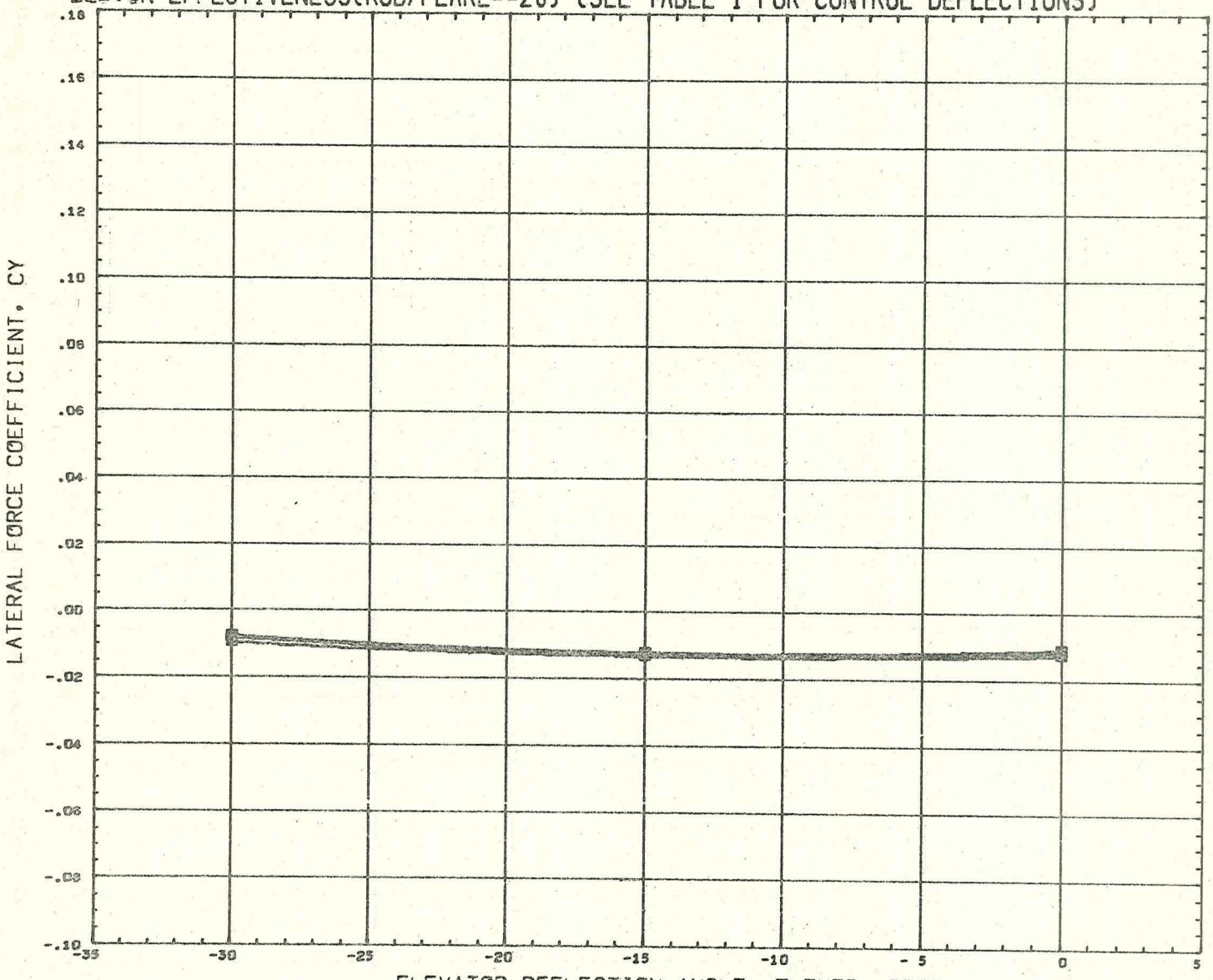
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



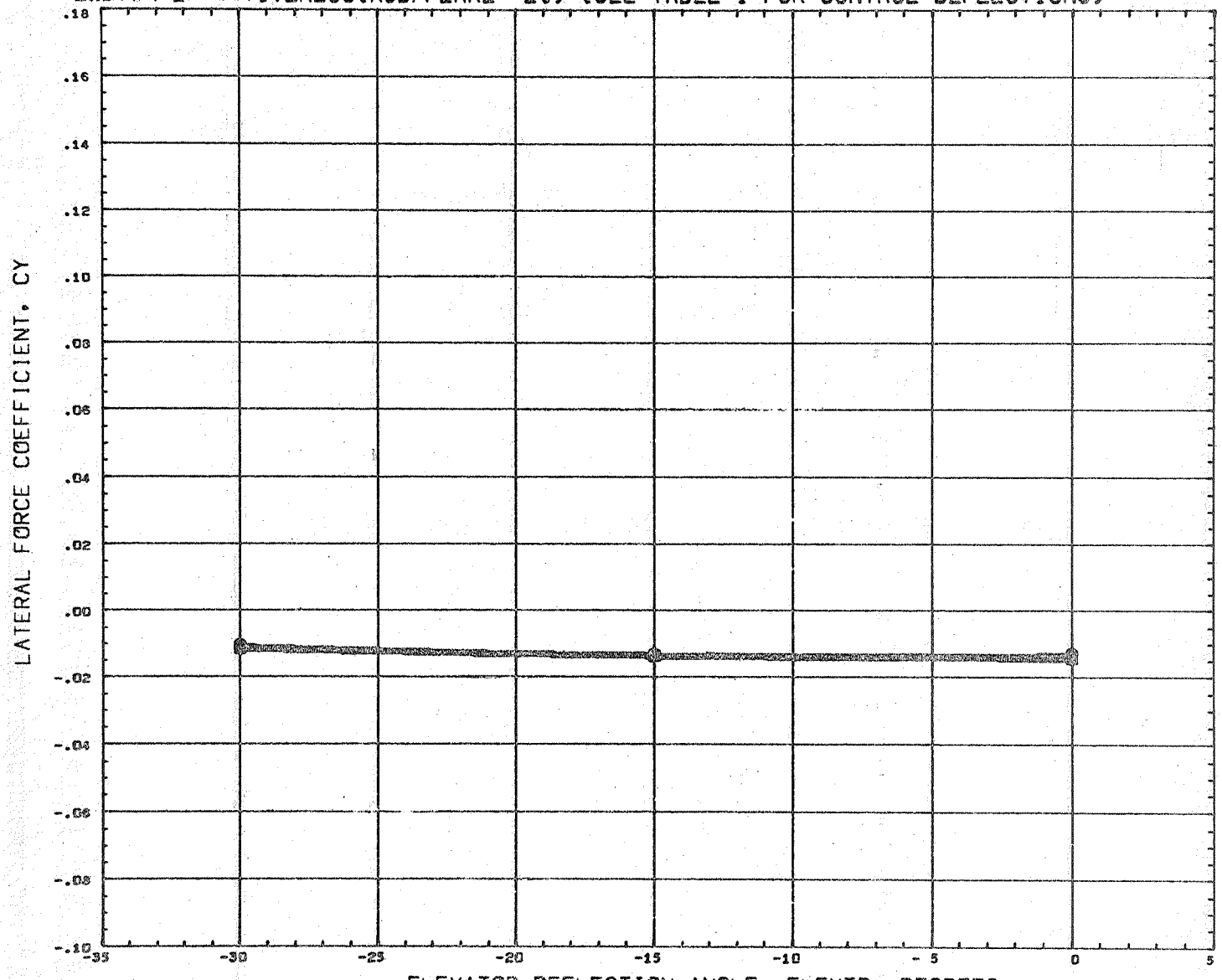
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 10.000	Q(PSF)	90.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	- 2.500
◇	- 6.000	RUDDFL	- 22.500		
△	- 4.000				

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



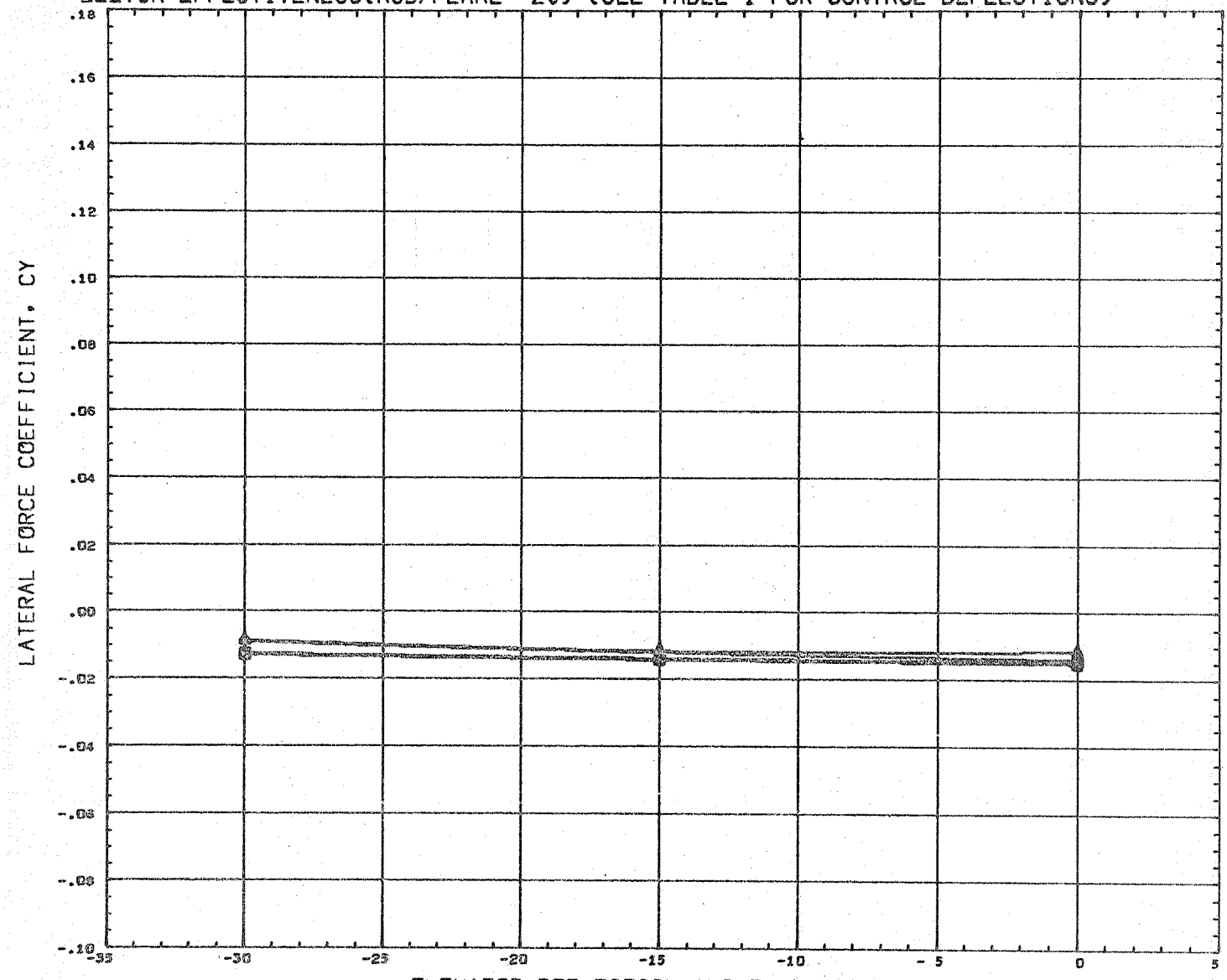
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 2.000	Q(PSF)	90.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	2.000	RUDDFL	- 22.500		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



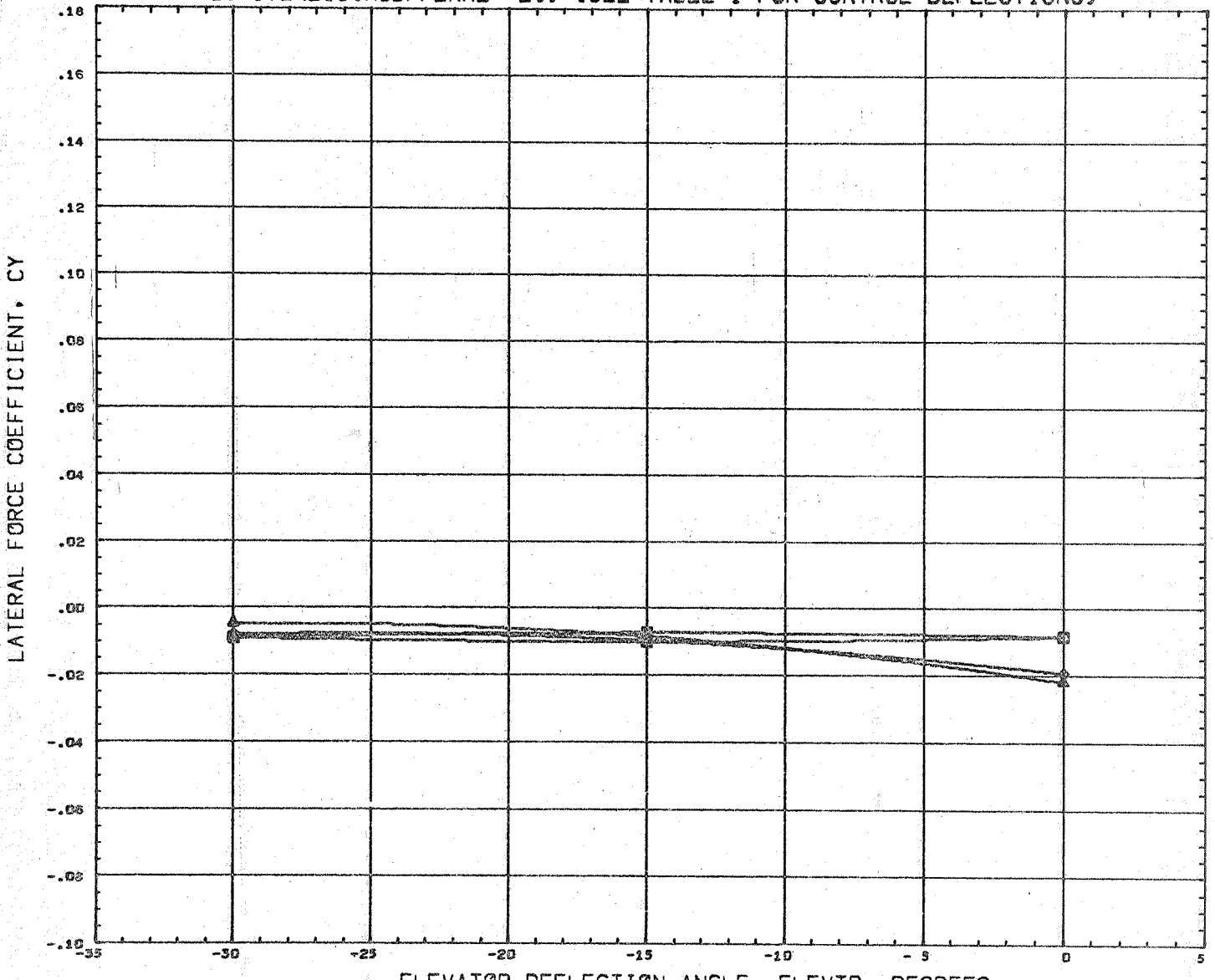
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	90.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	- 2.500
◇	10.000	RUDDFL	- 22.500		
△	12.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



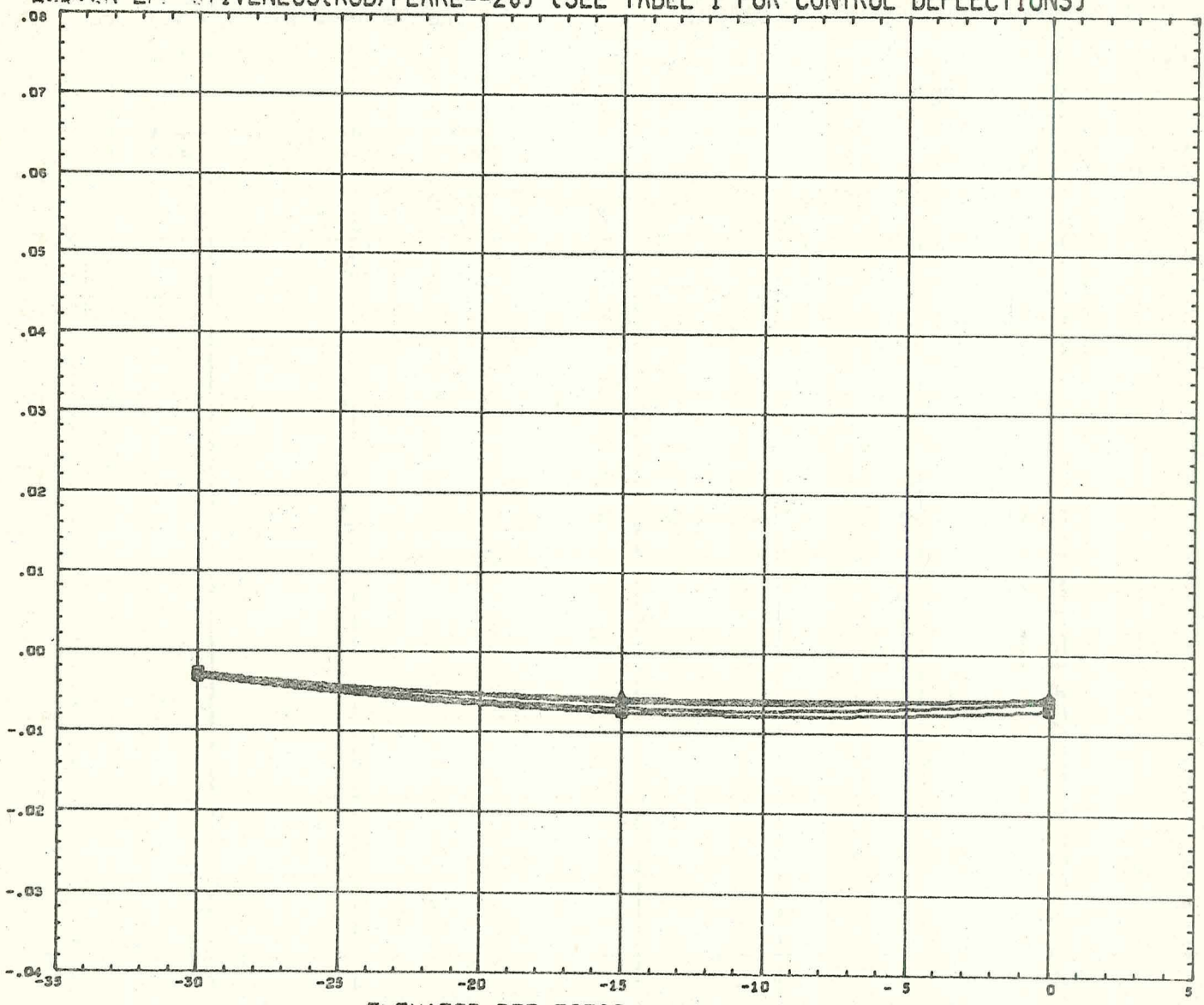
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



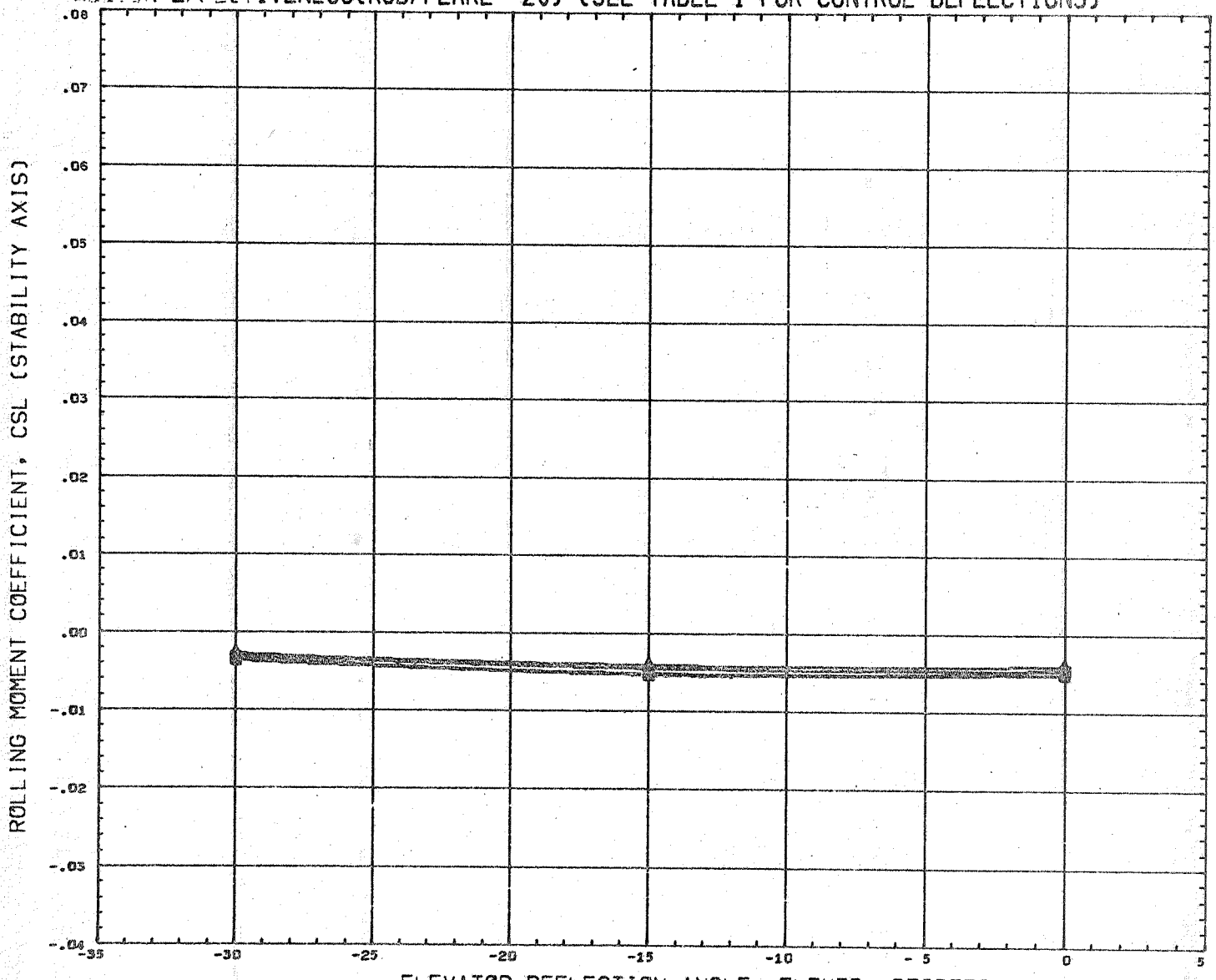
SYMBOL	ALPHA		PARAMETRIC VALUES			
□	- 10.000	Q(PSF)	90.000	BETA		0.000
□	- 8.000	AILRON	0.000	RUDDER	-	2.500
◇	- 6.000	RUDDFL	- 22.500			
△	- 4.000					

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



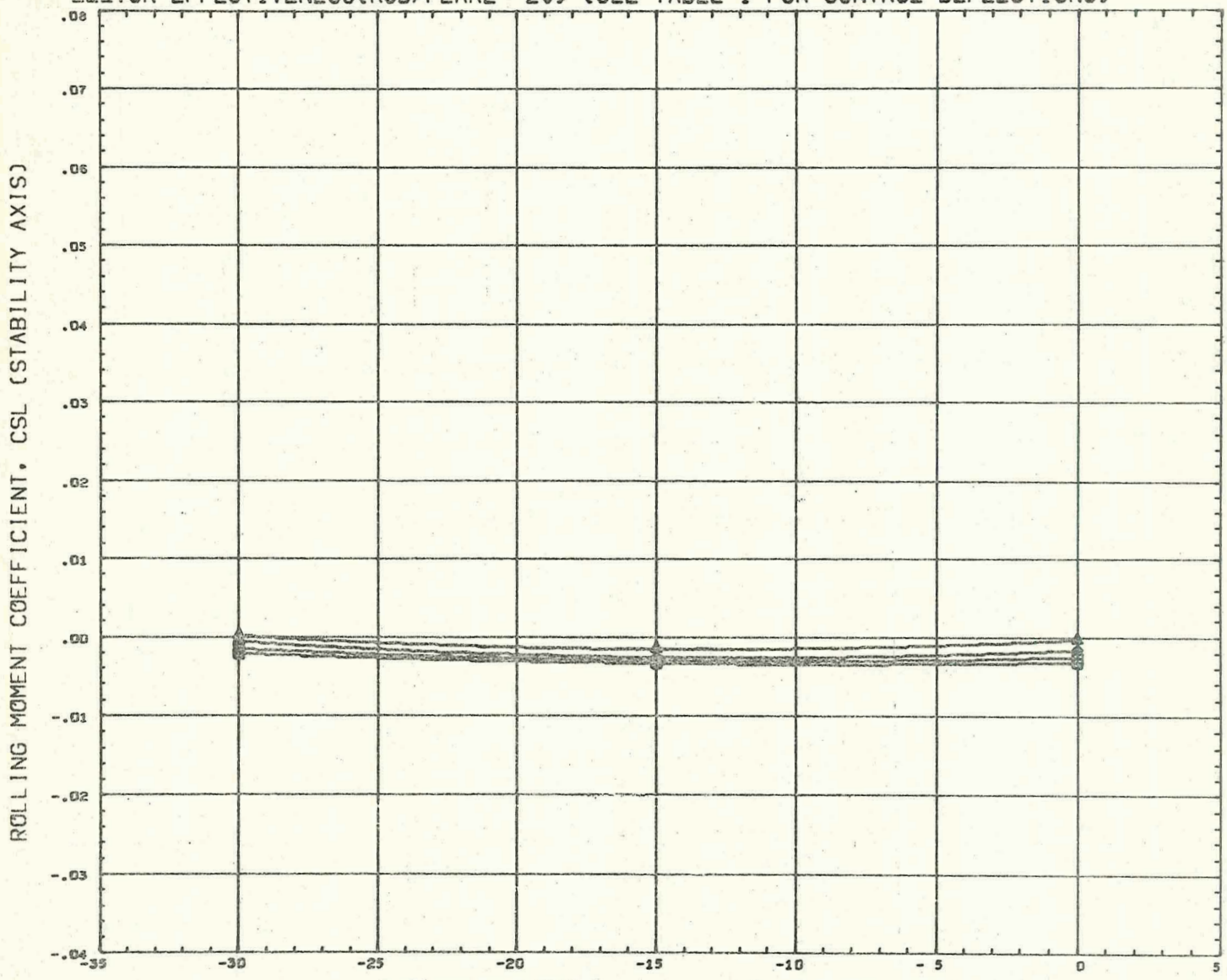
SYMBOL	ALFMA		PARAMETRIC VALUES		
○	- 2.000	Q(PSF)	90.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	2.000	RUDDFL	- 22.500		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



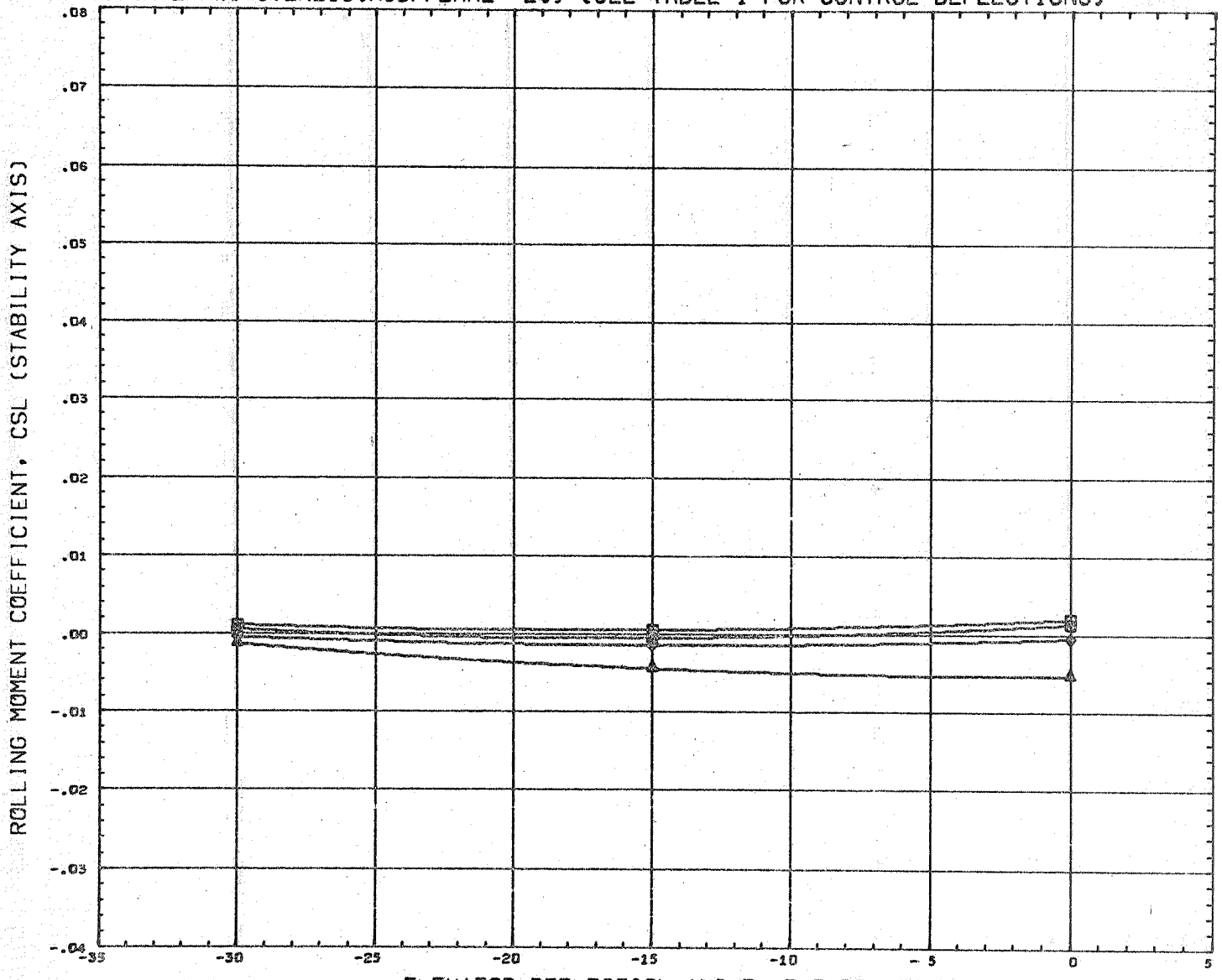
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	6.000	Q(PSF)	90.000	BETA	0.000
□	8.000	AILRON	0.000	RUDDER	- 2.500
◇	10.000	RUDDFL	- 22.500		
△	12.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



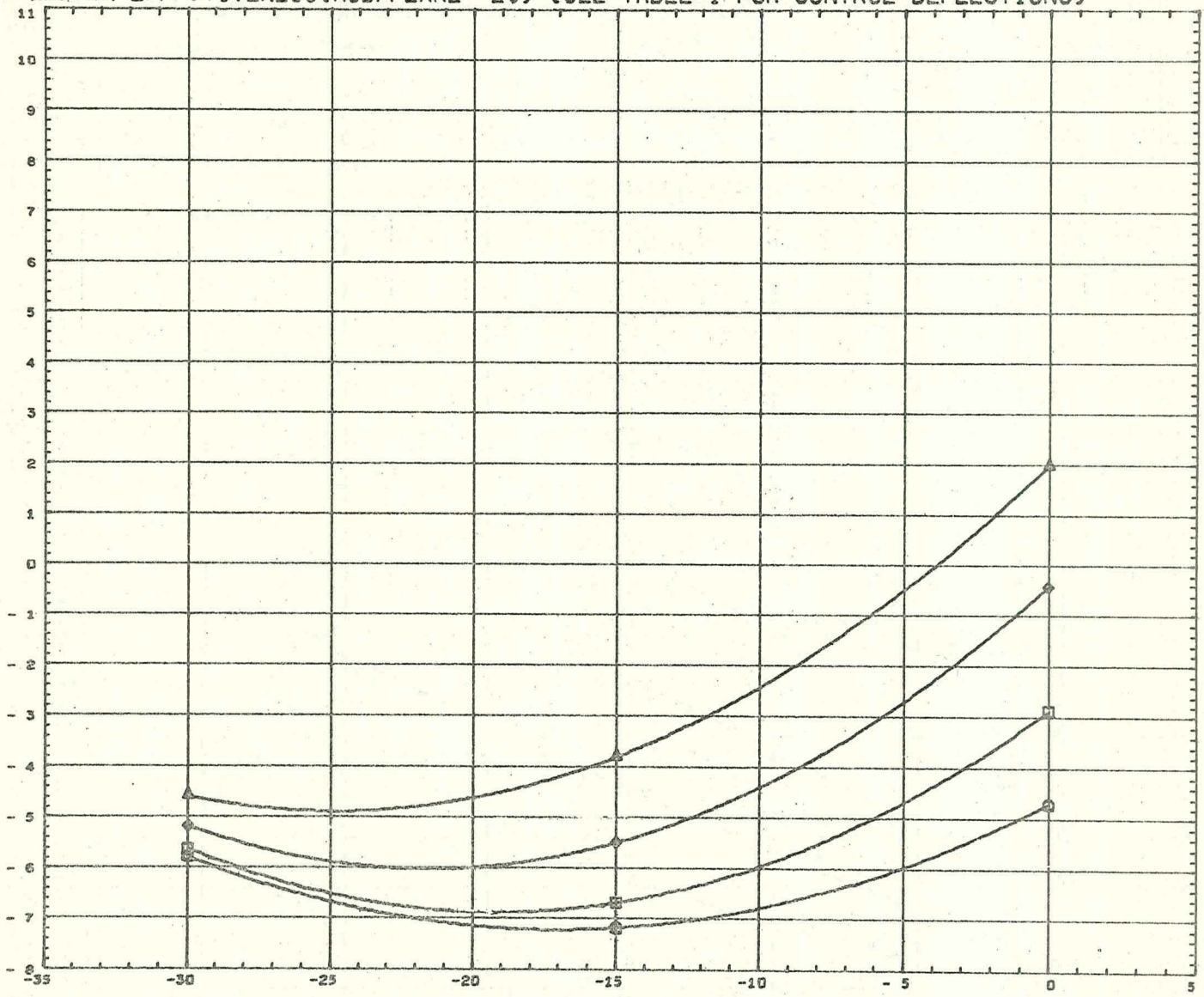
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	14.000	Q(PSF)	90.000	BETA	0.000
□	16.000	AILRON	0.000	RUDDER	- 2.500
◇	18.000	RUDDFL	- 22.500		
△	20.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



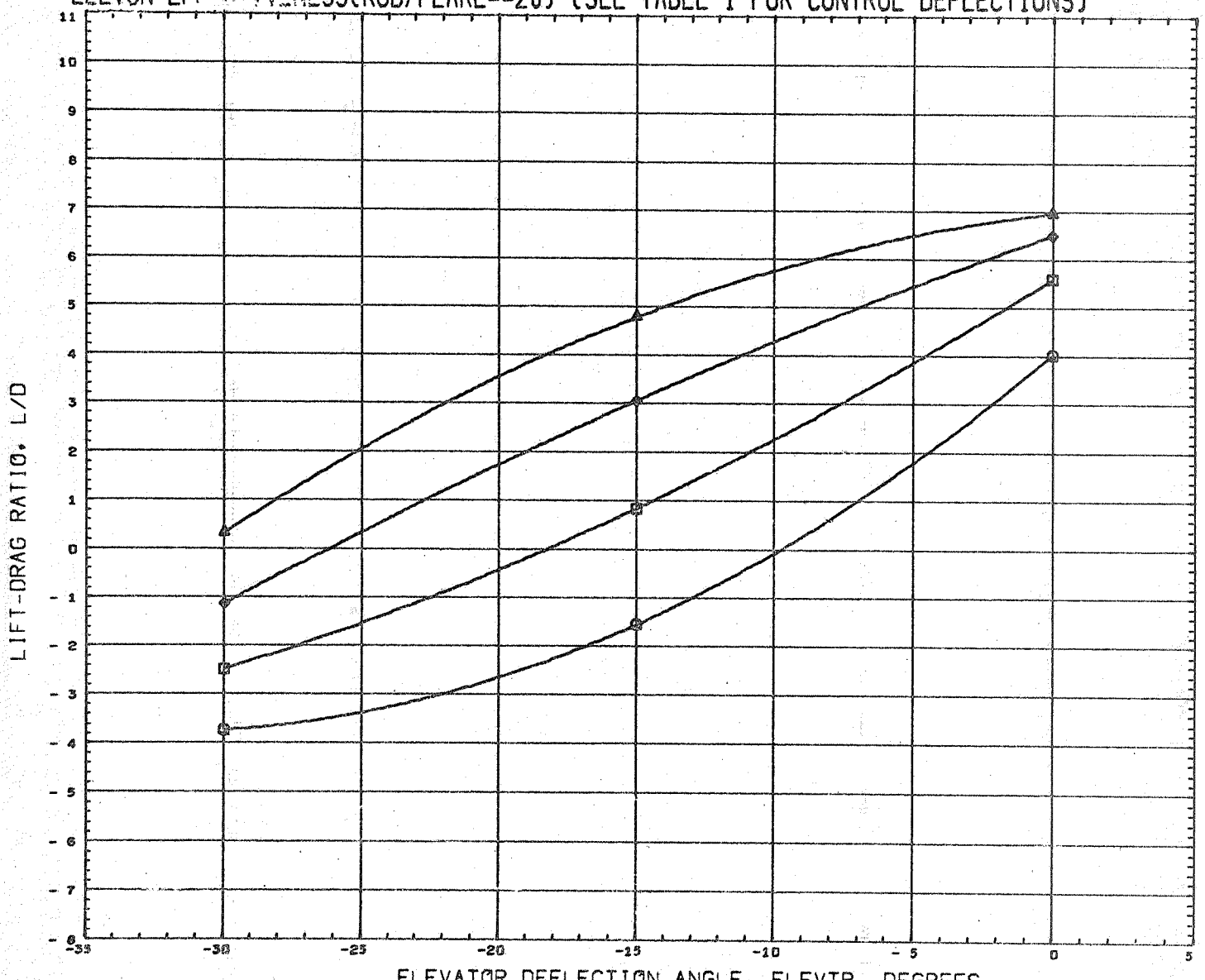
SYMBOL	ALPHA	PARAMETRIC VALUES			
○	- 10.000	Q(PSF)	90.000	BETA	0.000
□	- 8.000	AILRON	0.000	RUDDER	- 2.500
◇	- 6.000	RUDDFL	- 22.500		
△	- 4.000				

DATA HIST. CODE V*E1F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



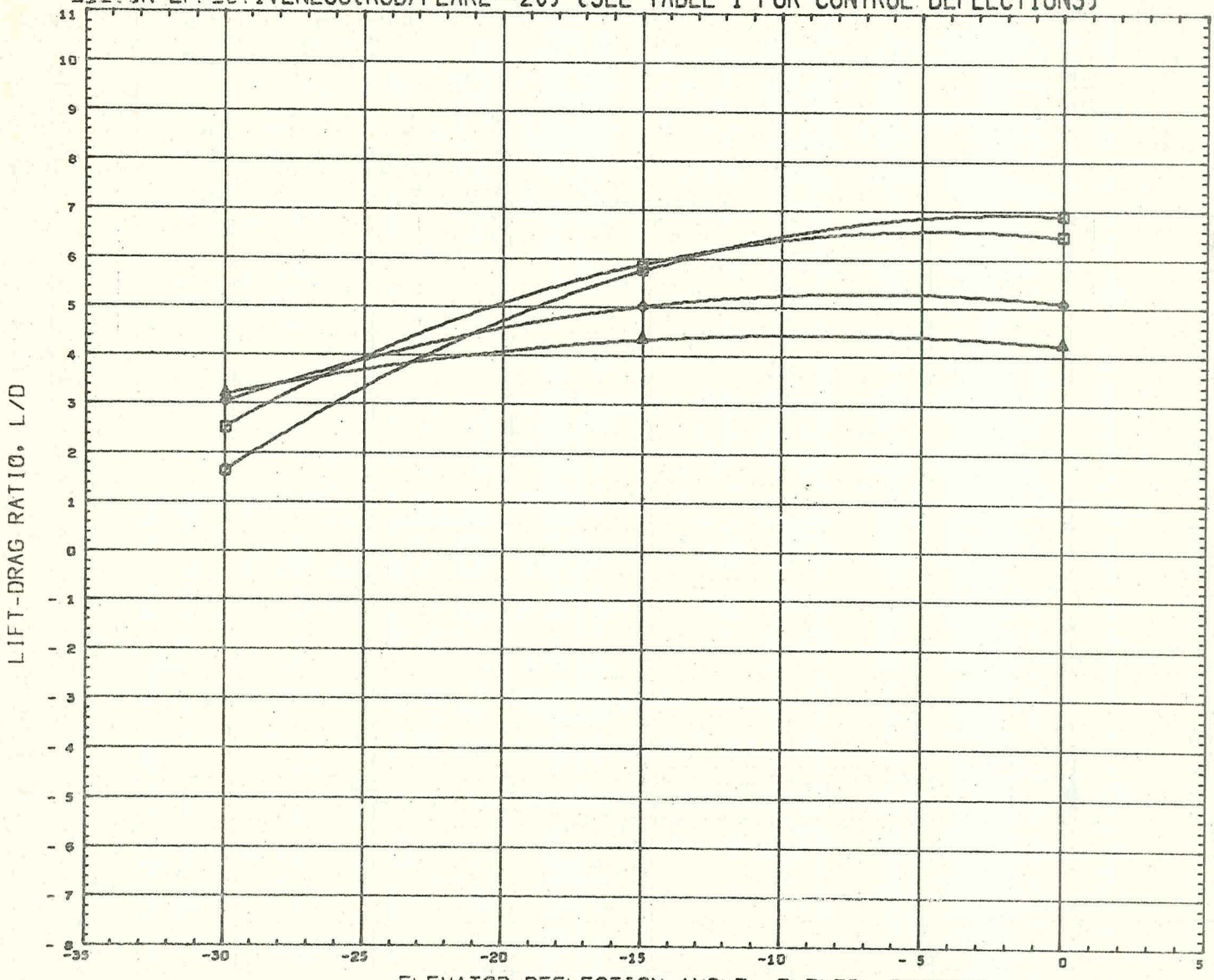
SYMBOL	ALPHA		PARAMETRIC VALUES		
○	- 2.000	Q(PSF)	90.000	BETA	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	2.000	RUDDFL	- 22.500		
△	4.000				

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	6.000
□	8.000
◇	10.000
△	12.000

PARAMETRIC VALUES

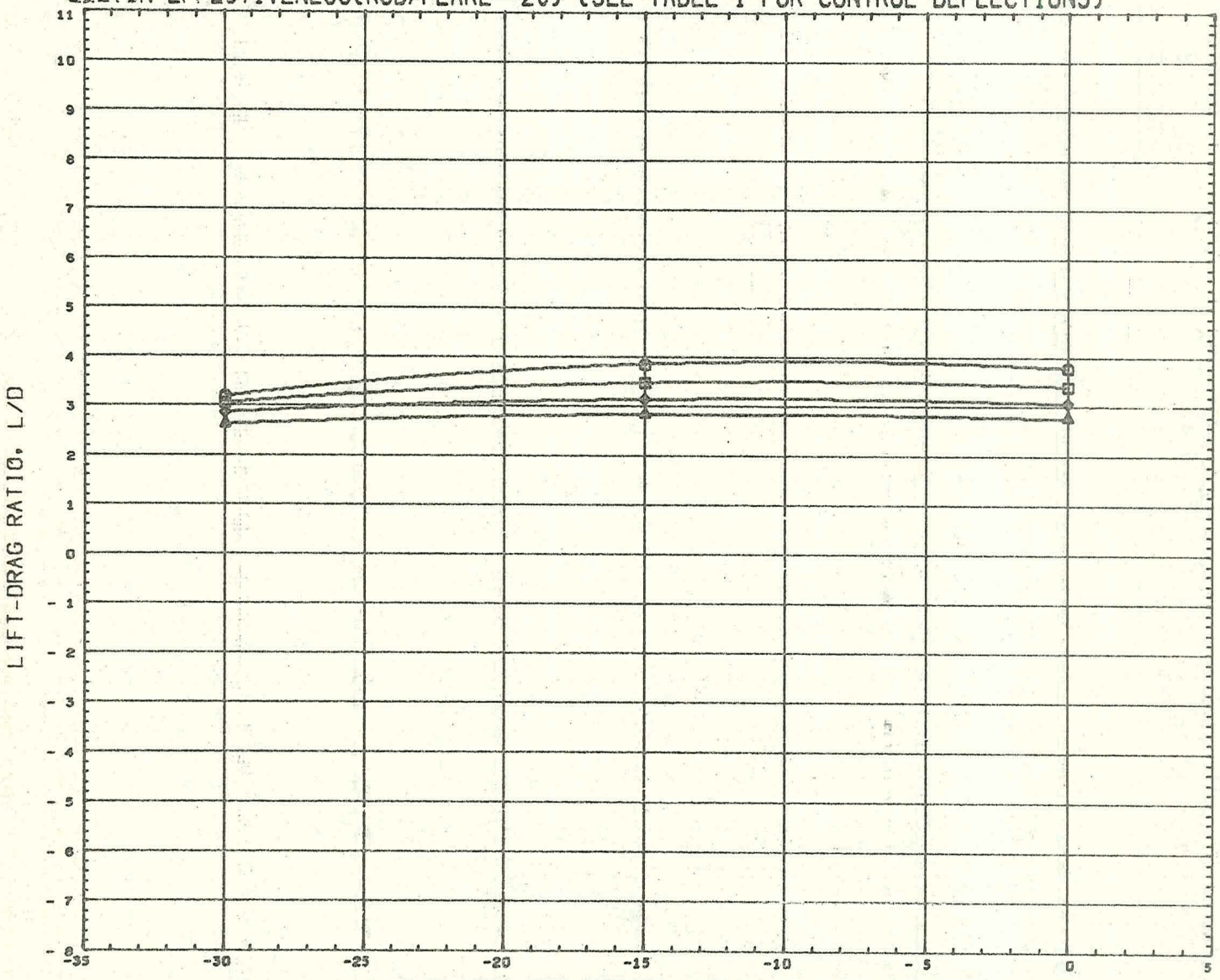
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.300
RUDDFL	- 22.500		

DATA MIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	ALPHA
○	14.000
□	16.000
◇	18.000
△	20.000

PARAMETRIC VALUES

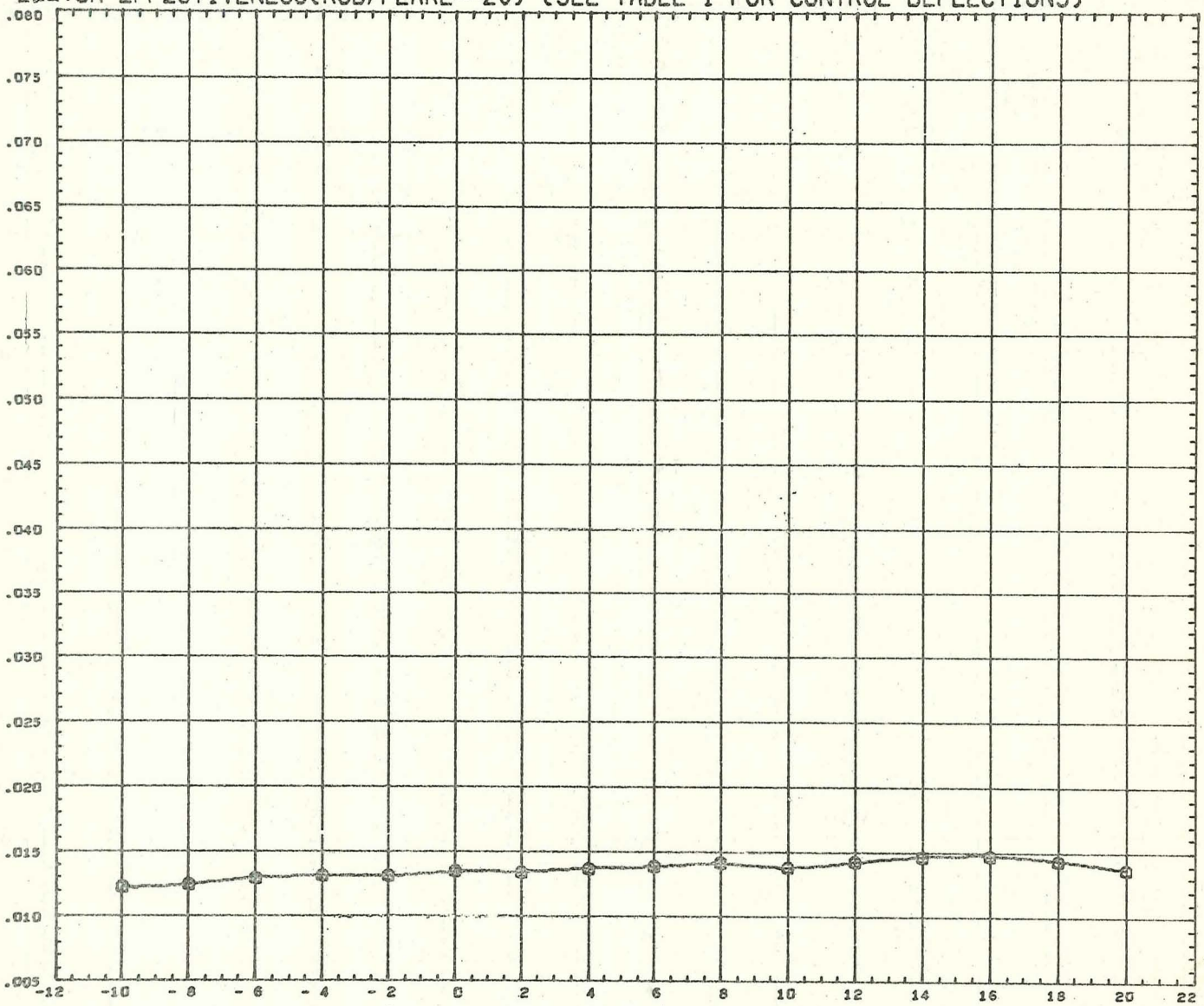
Q(PSF)	90.000	BETA	0.000
AILRON	0.000	RUDDER	- 2.500
RUDDFL	- 22.500		

DATA HIST. CODE V*EIF

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



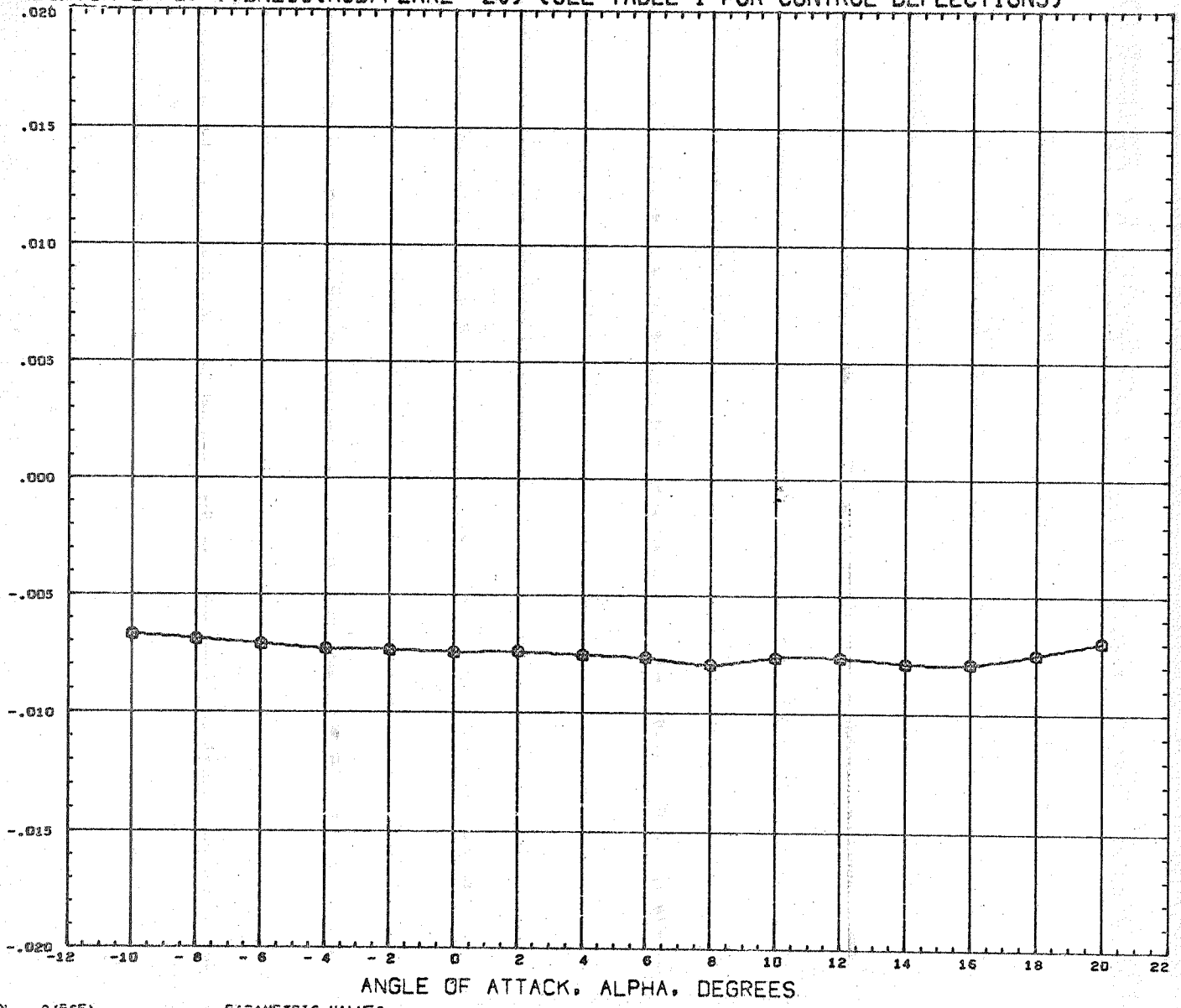
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	90.000	BETA	0.000	ELEVTR	- 15.000
		AILROM	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA MIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



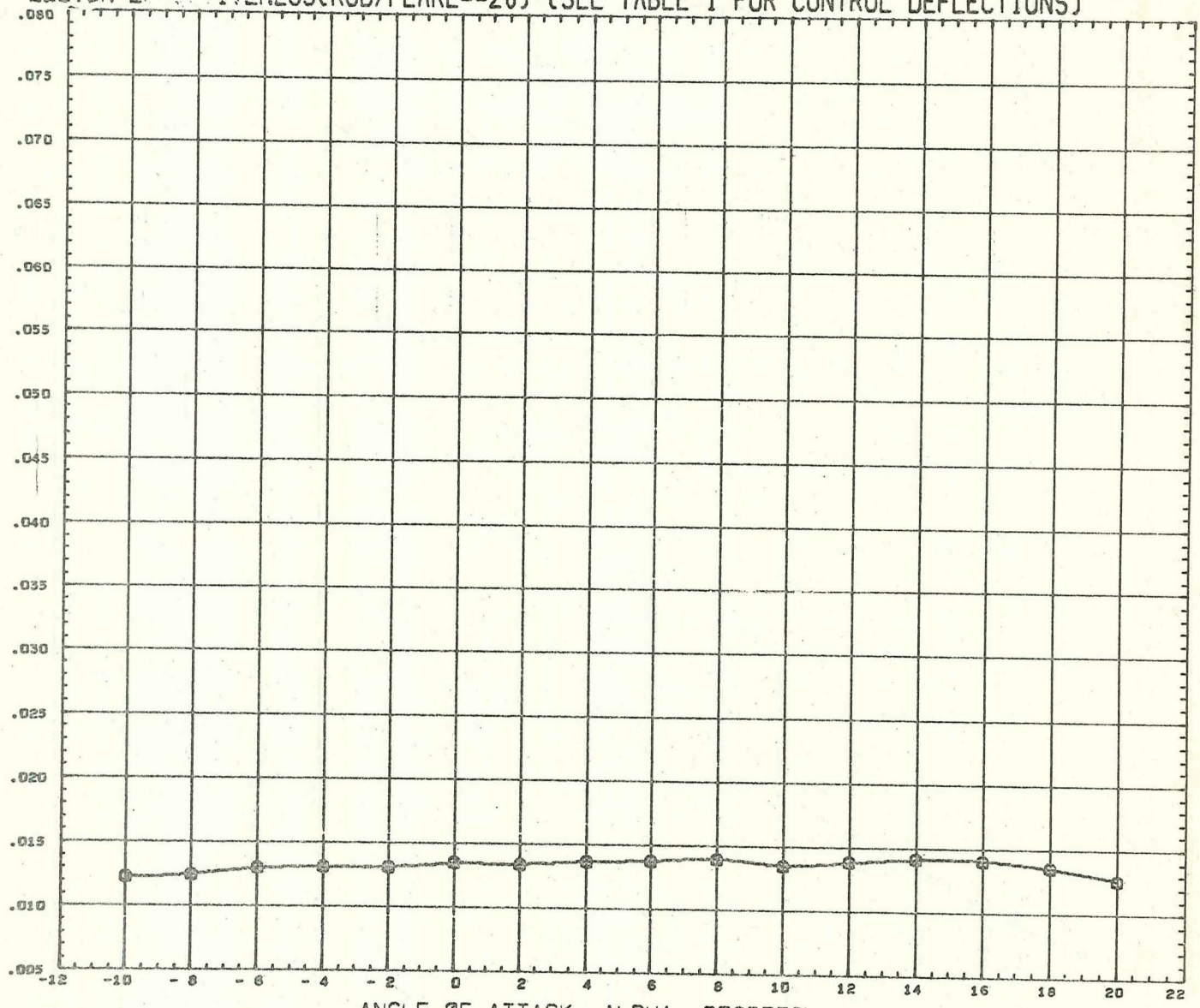
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	90.000	BETA	0.000	ELEVTR	- 15.000
		AILRON	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

ELEVON EFFECTIVENESS(RUD/FLARE=-20) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



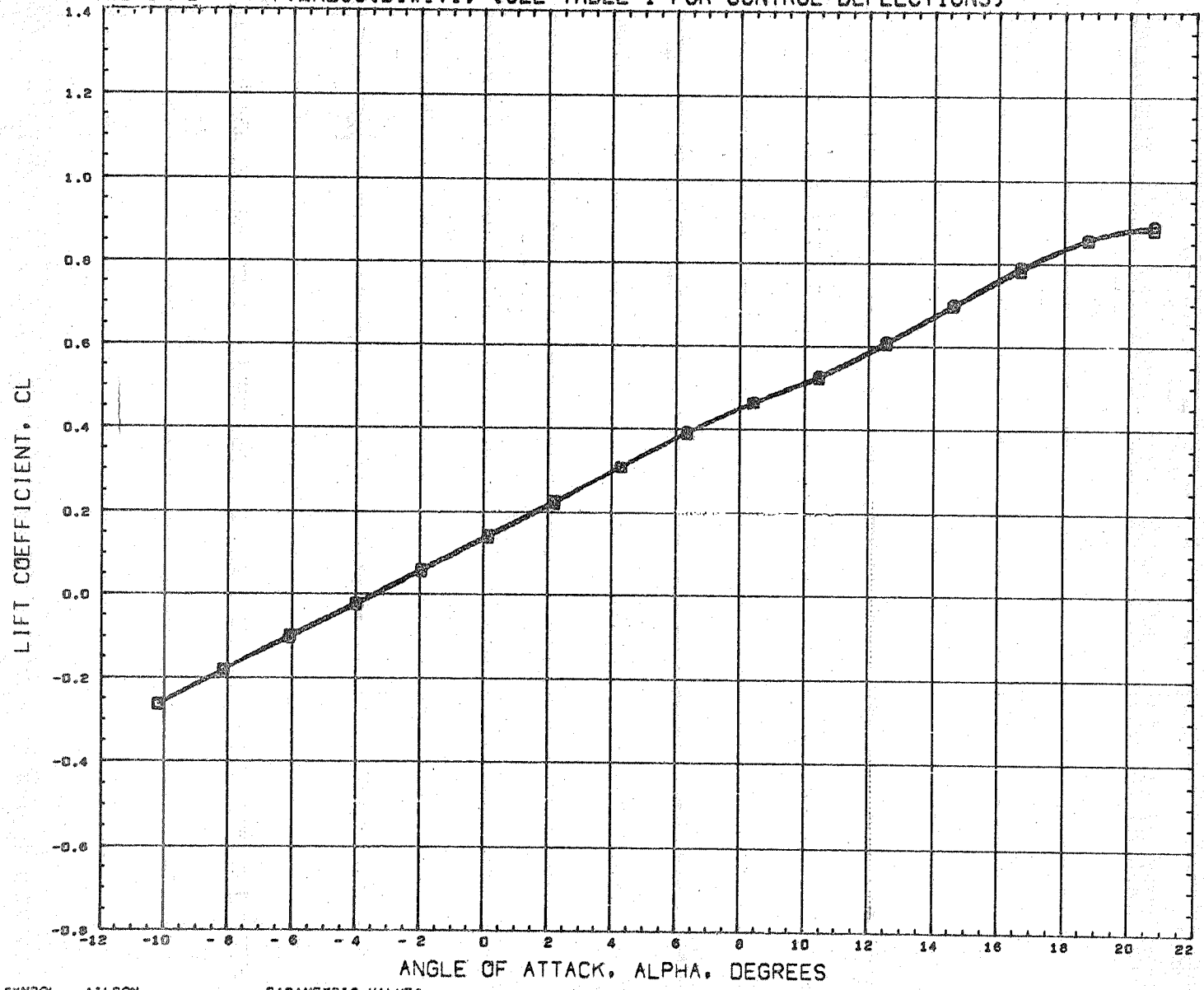
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	90.000	BETA	0.000	ELEVTR	- 15.000
		AILRON	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



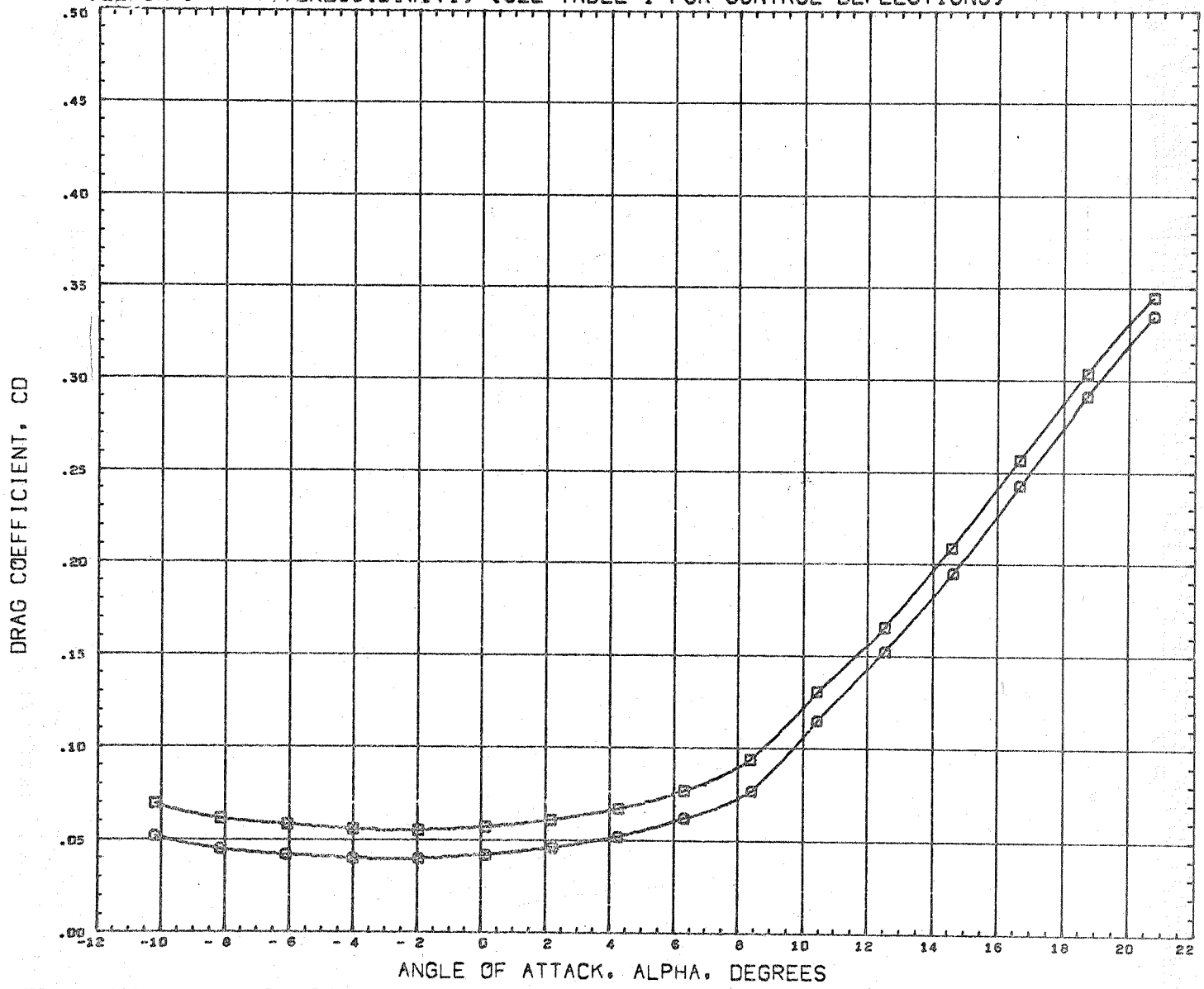
SYMBOL	AILRON		PARAMETRIC VALUES		
O	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	-15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



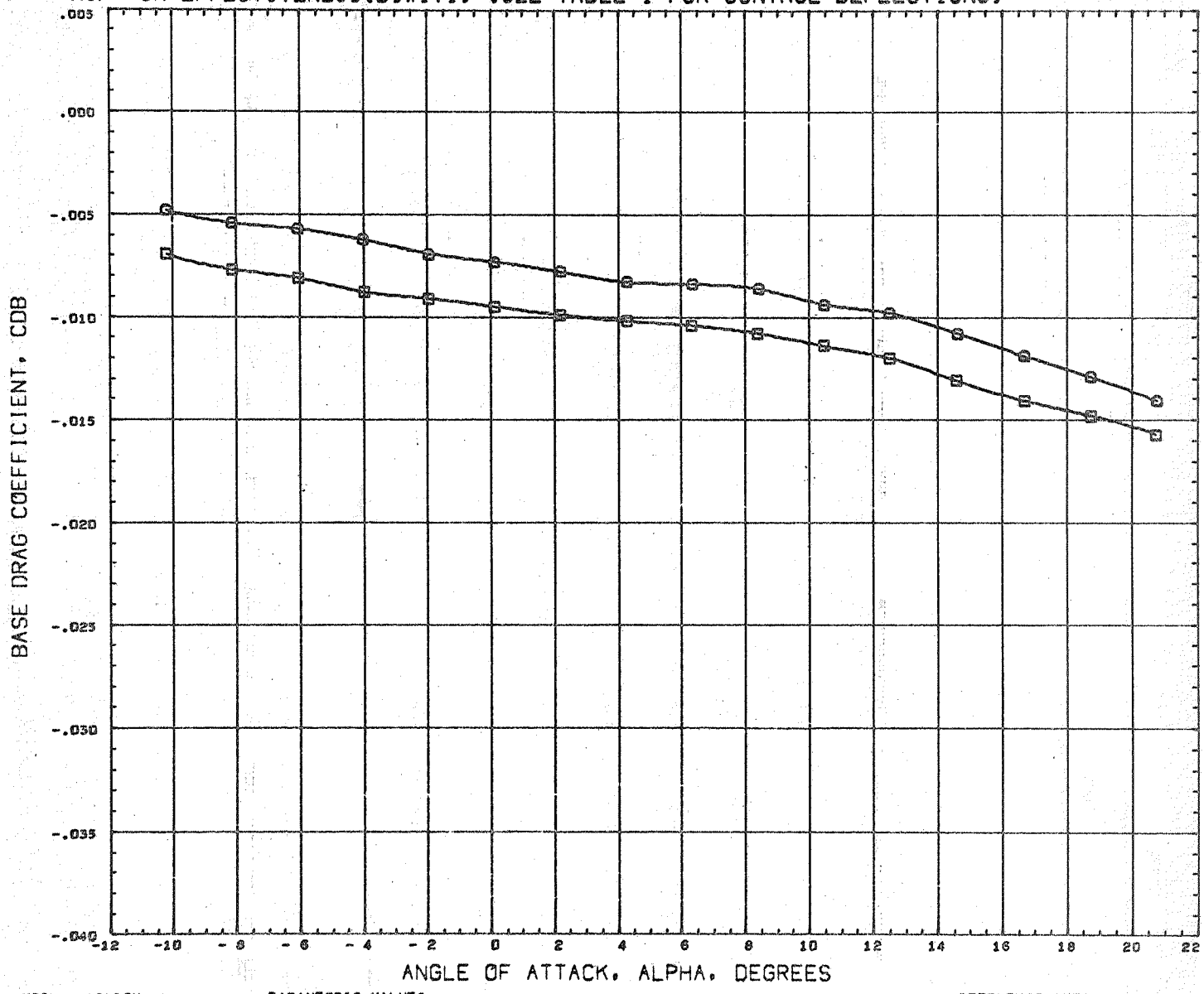
SYMBOL	AILRON		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



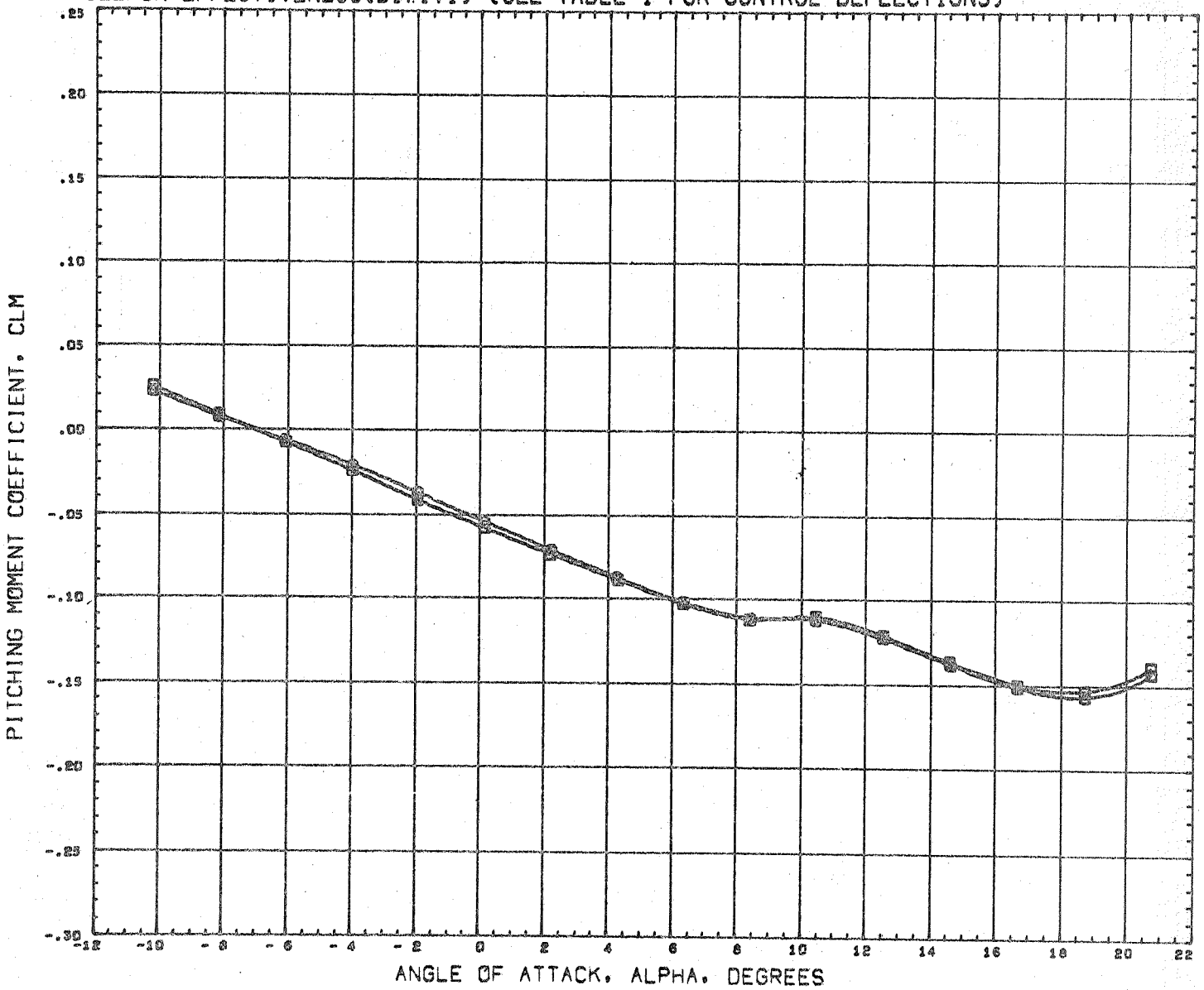
SYMBOL	AILRON		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



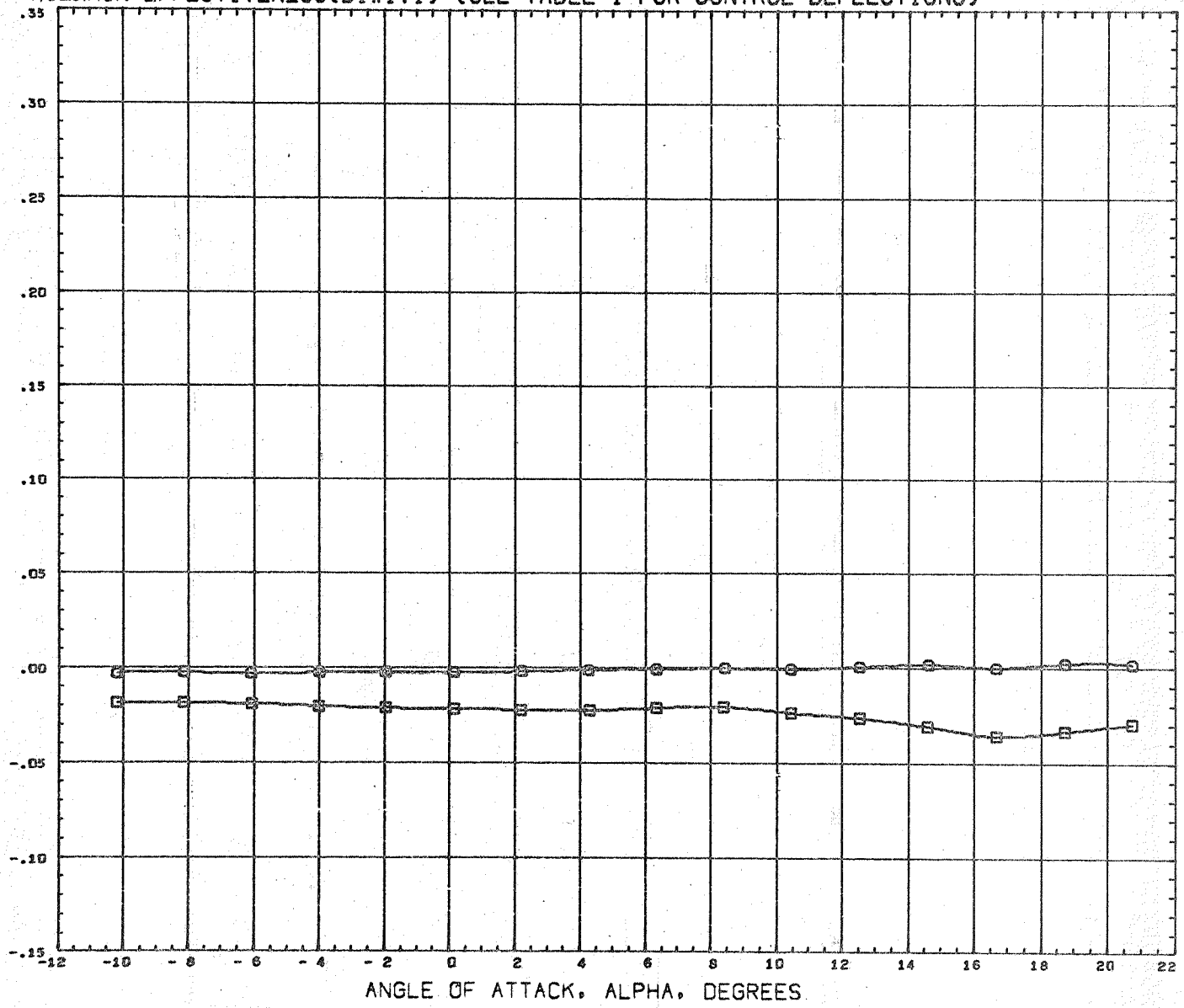
SYMBOL	AILRON		PARAMETRIC VALUES		
O	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	-15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE VWE

REFERENCE INFORMATION

REFS	9.5600	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

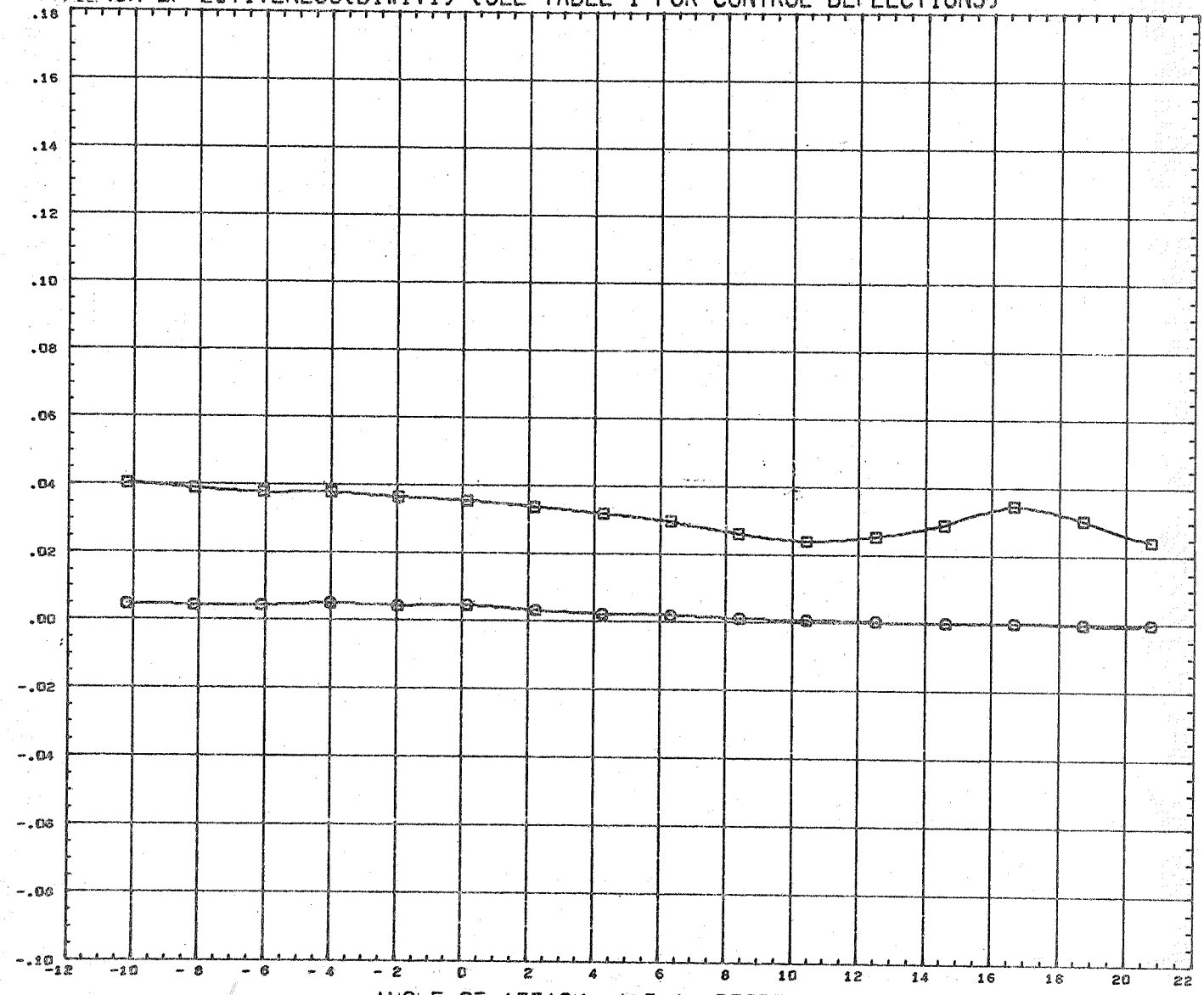


SYMBOL	AILRON		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



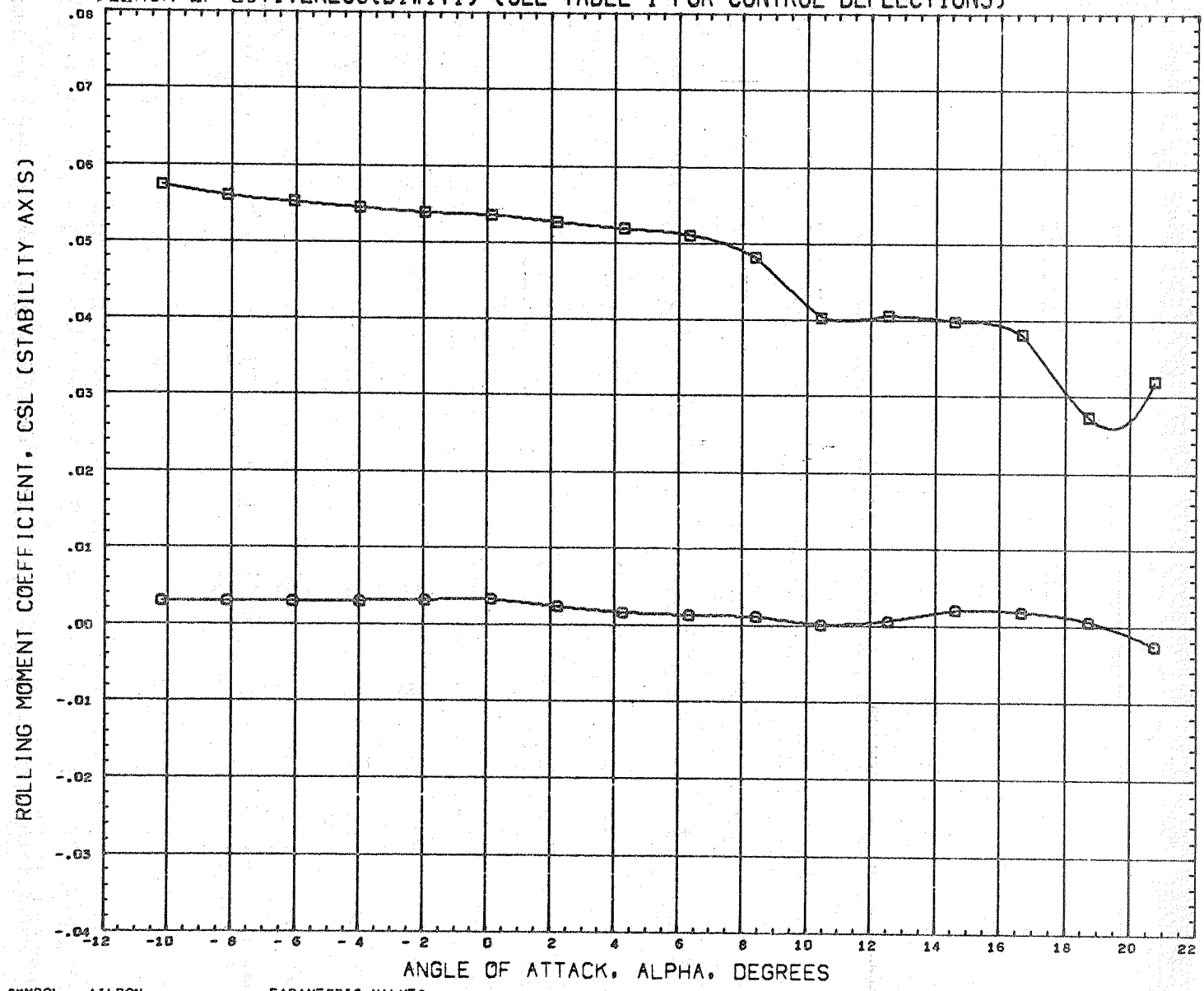
SYMBOL	AILRON	PARAMETRIC VALUES			
O	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



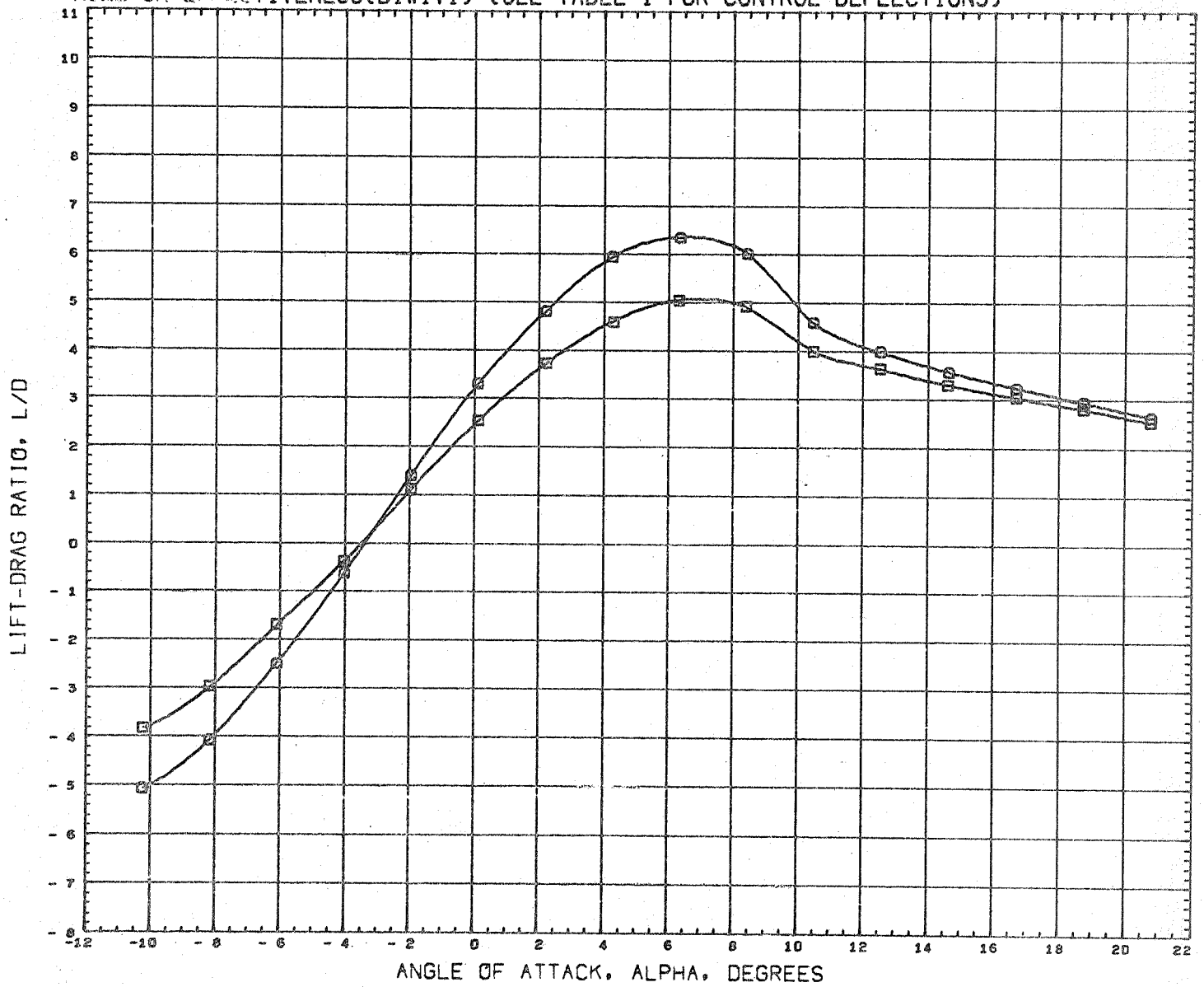
SYMBOL	AILRON	PARAMETRIC VALUES			
O	0.000	Q(FSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	AILRON
O	0.000
□	15.000

PARAMETRIC VALUES

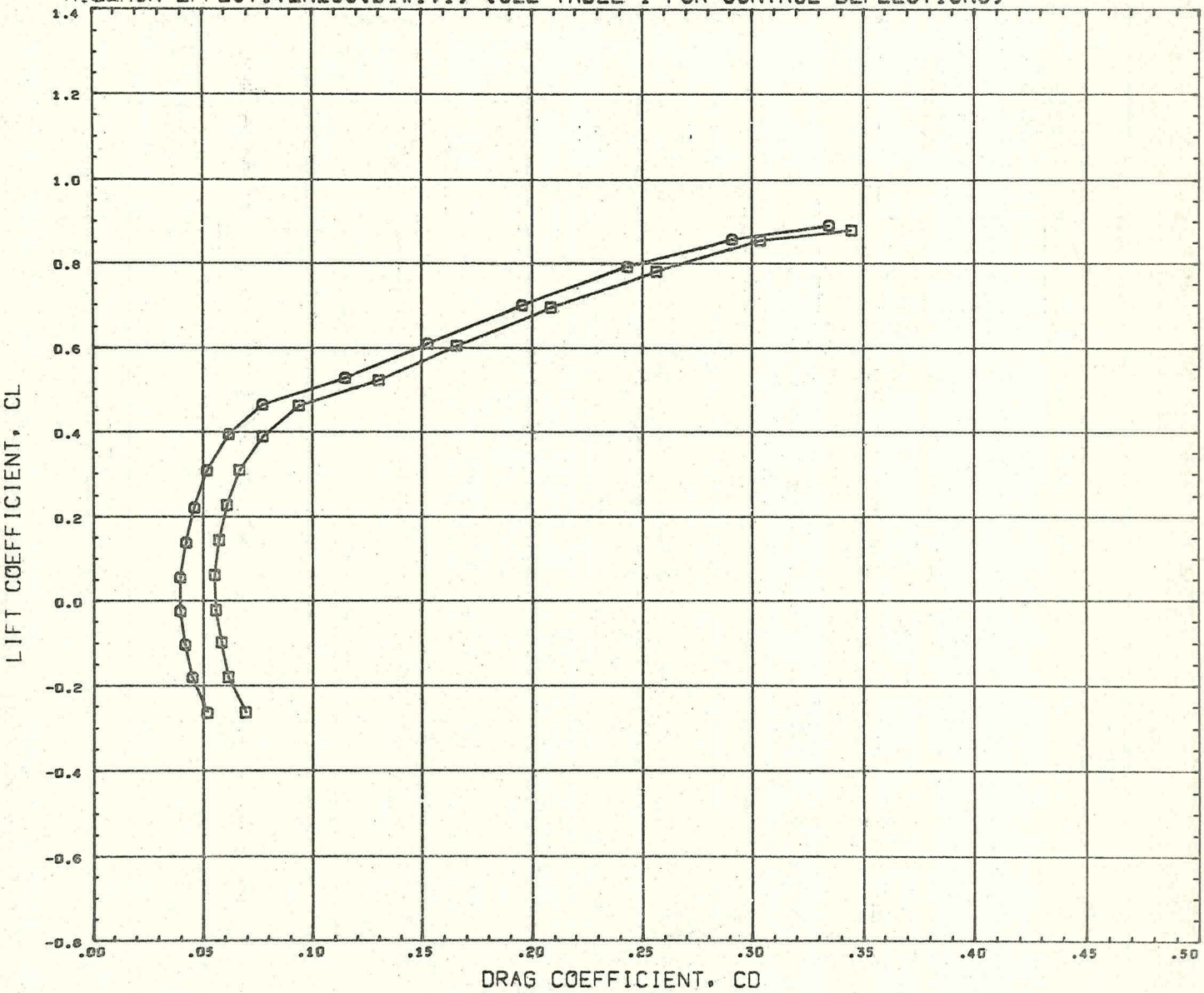
Q(FSF)	100.000	BETA	0.000
ELEVTR	-15.000	RUDDER	0.000
RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



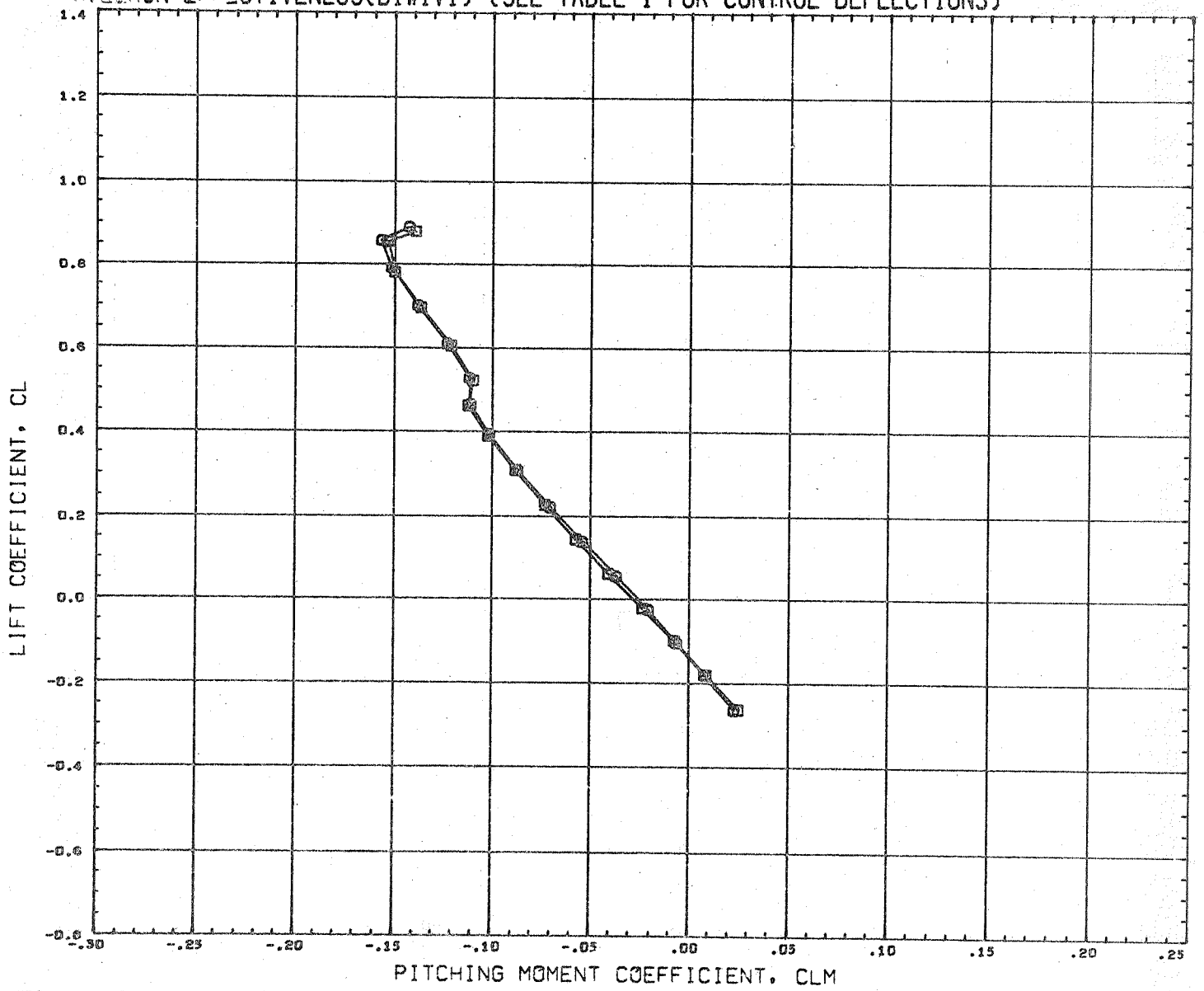
SYMBOL	AILRON		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

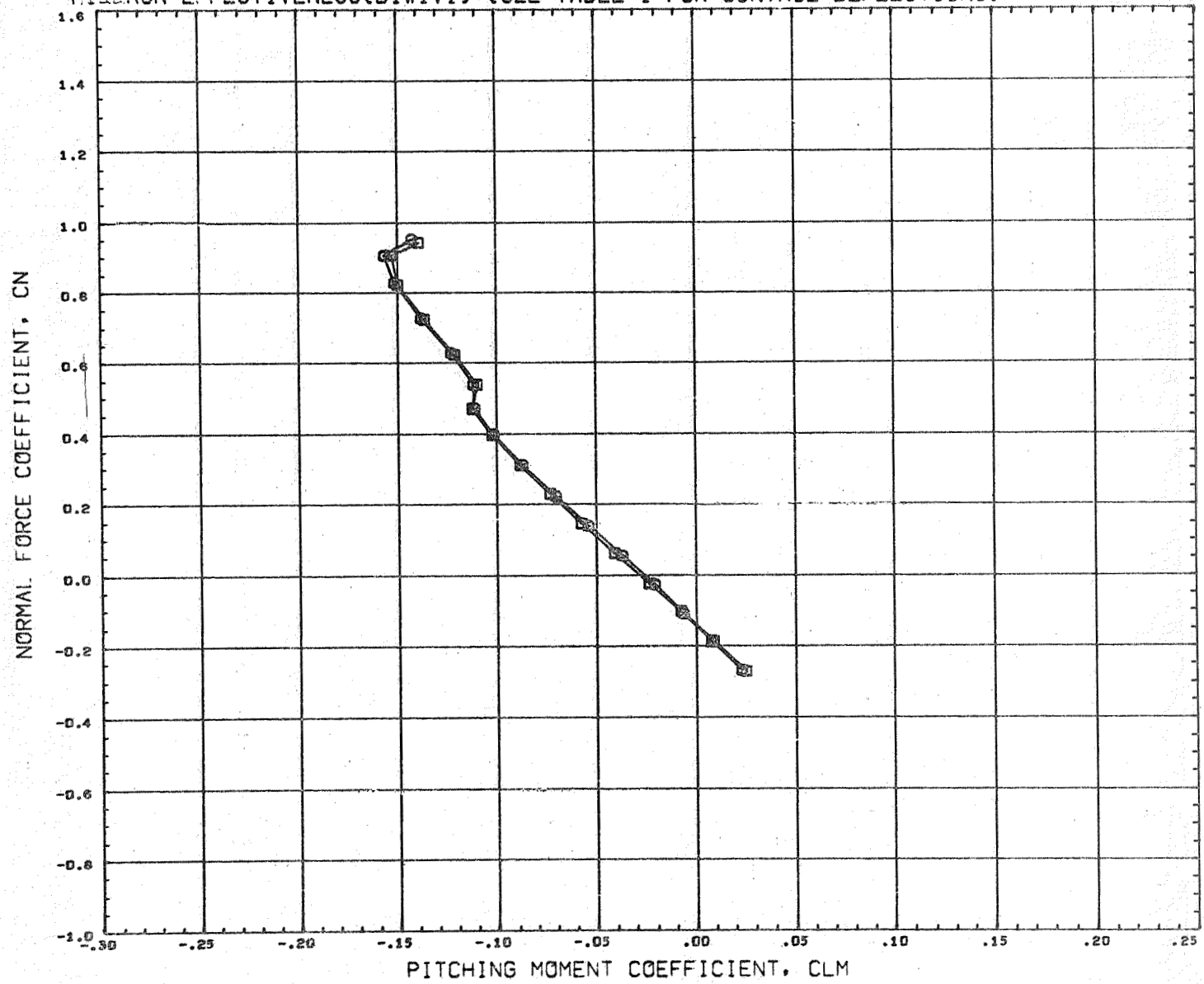


SYMBOL	AILRON	PARAMETRIC VALUES			
O	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

AILERON EFFECTIVENESS(B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

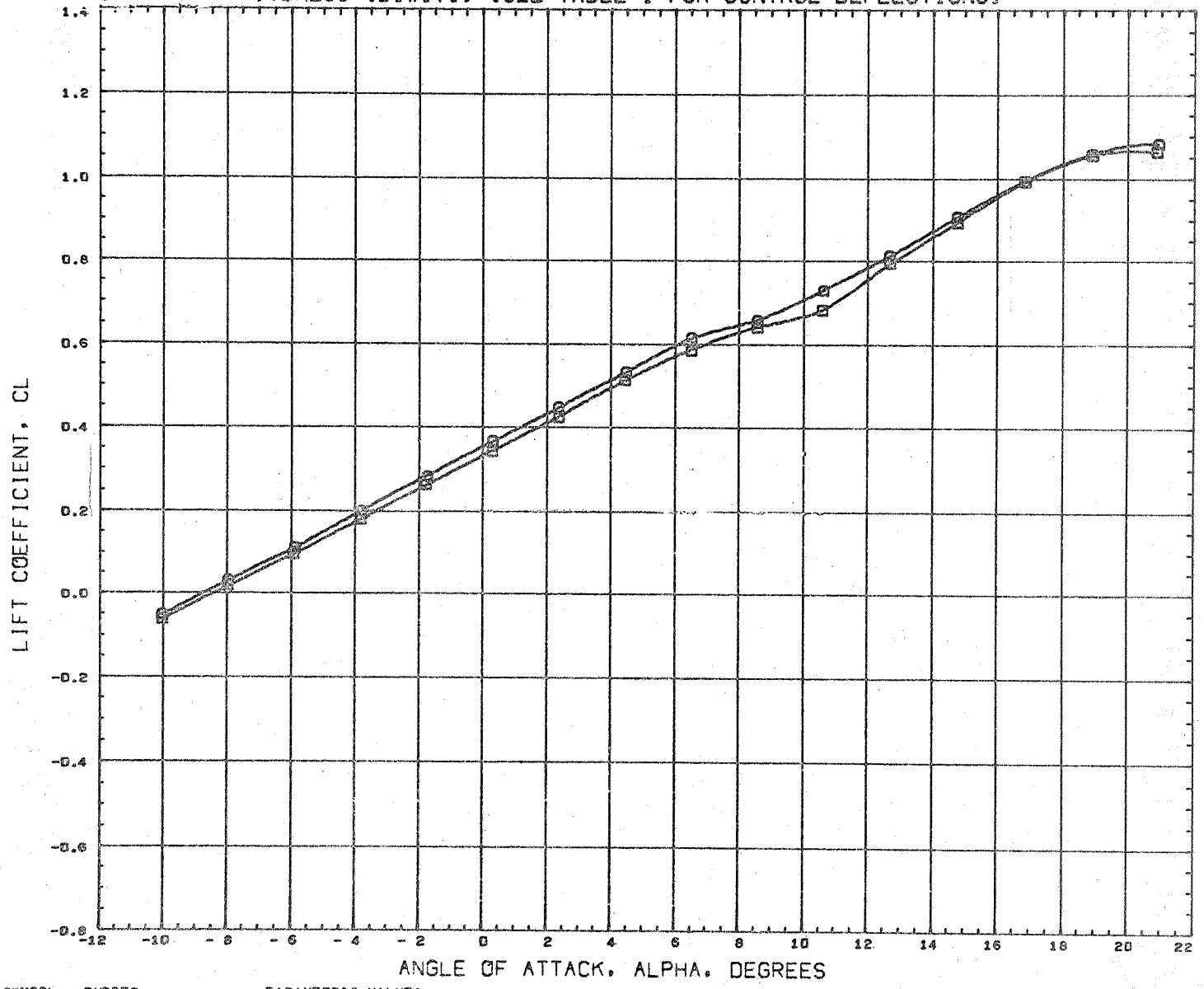


SYMBOL	AILRON	PARAMETRIC VALUES			
○	0.000	Q(PSF)	100.000	BETA	0.000
□	15.000	ELEVTR	- 15.000	RUDDER	0.000
		RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



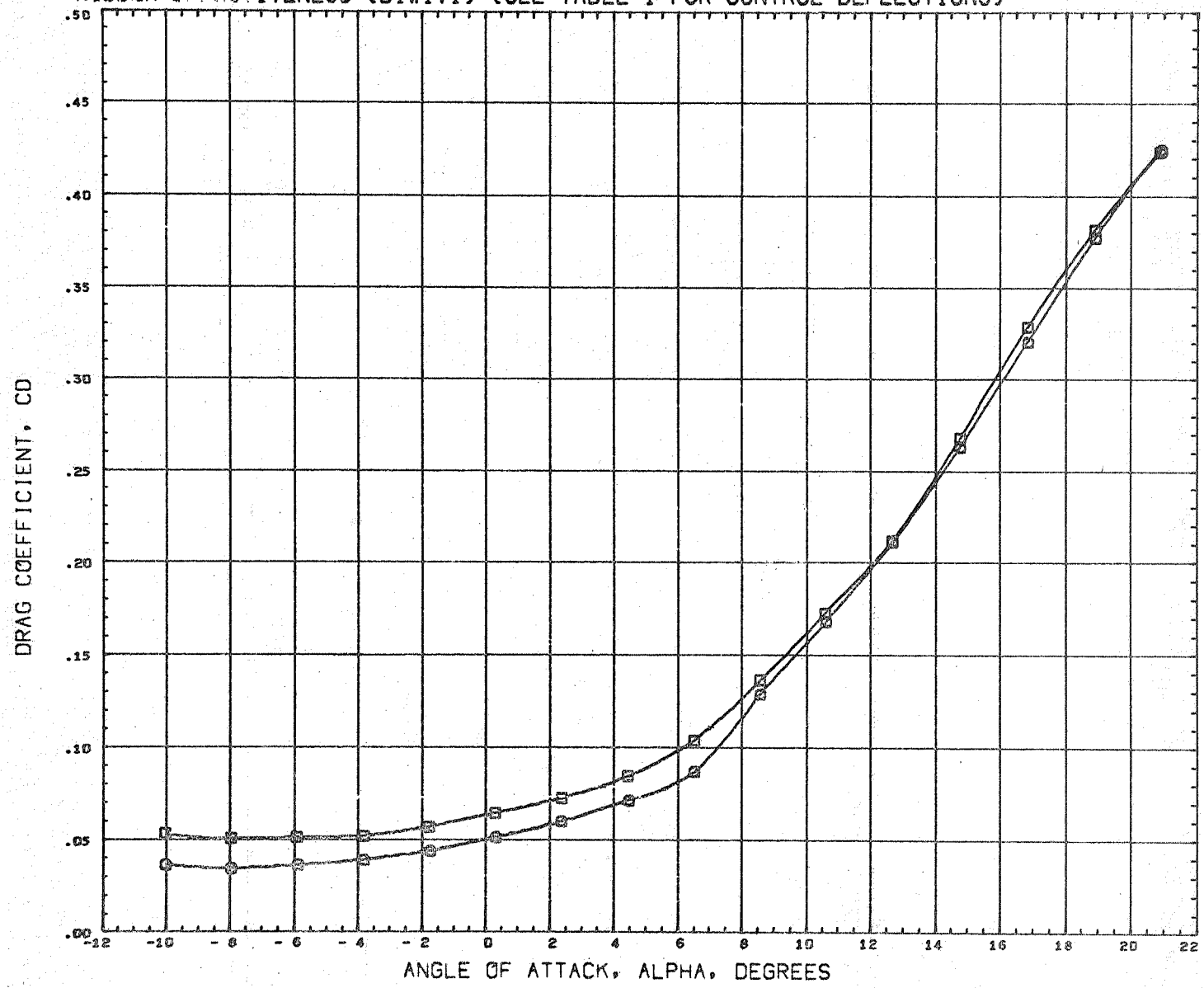
SYMBOL	RUDDER		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



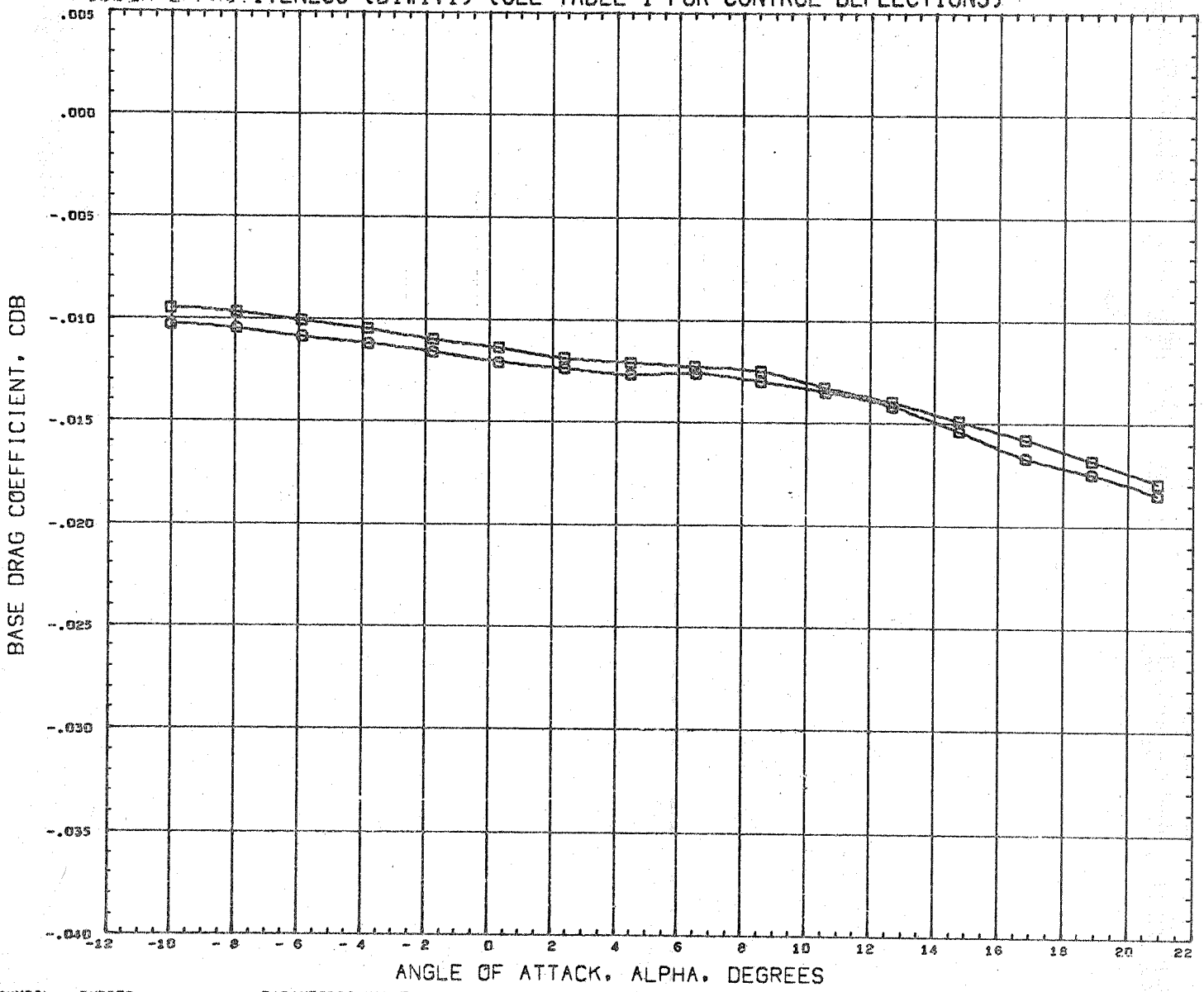
SYMBOL	RUDDER		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



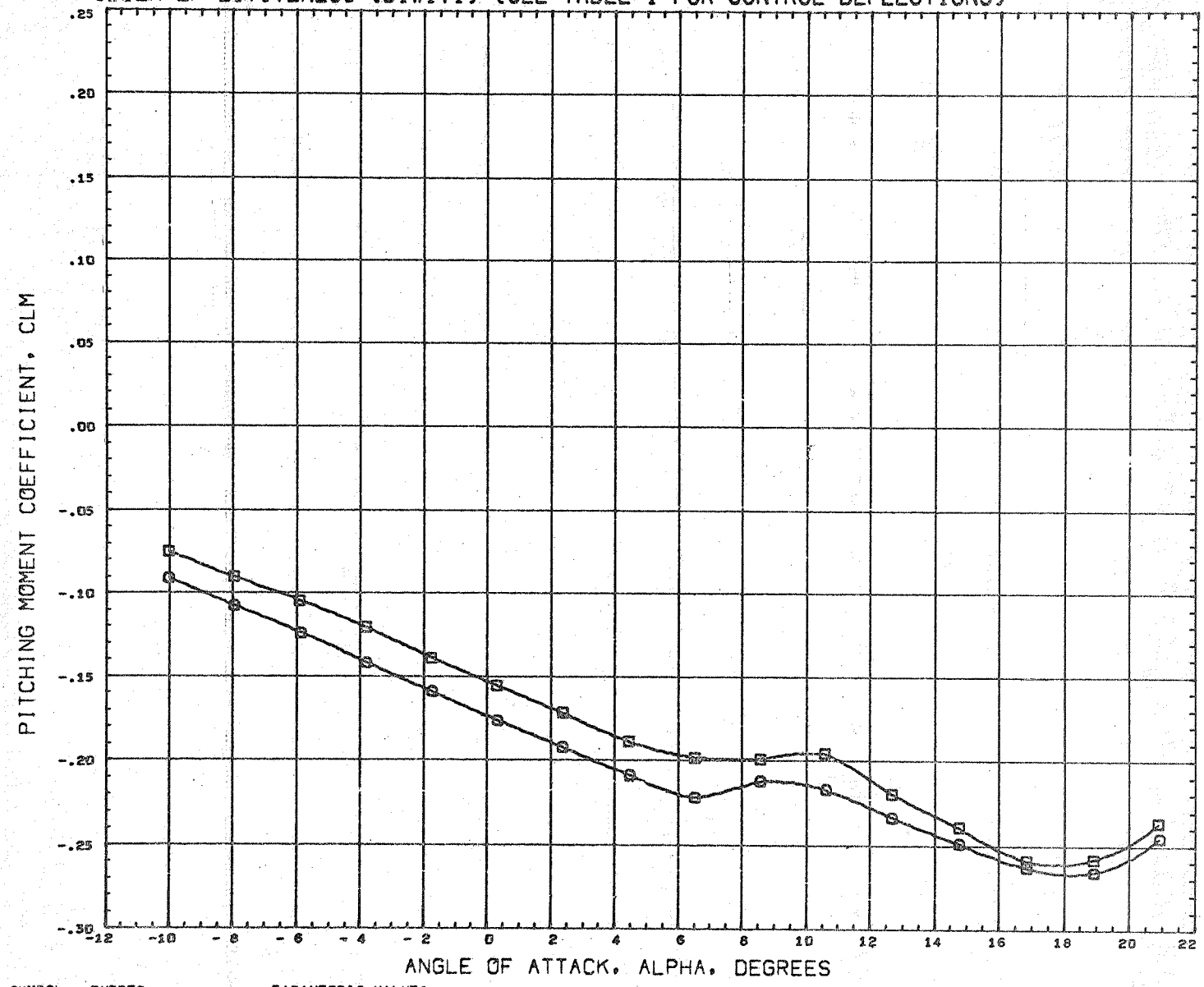
SYMBOL	RUDDER		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



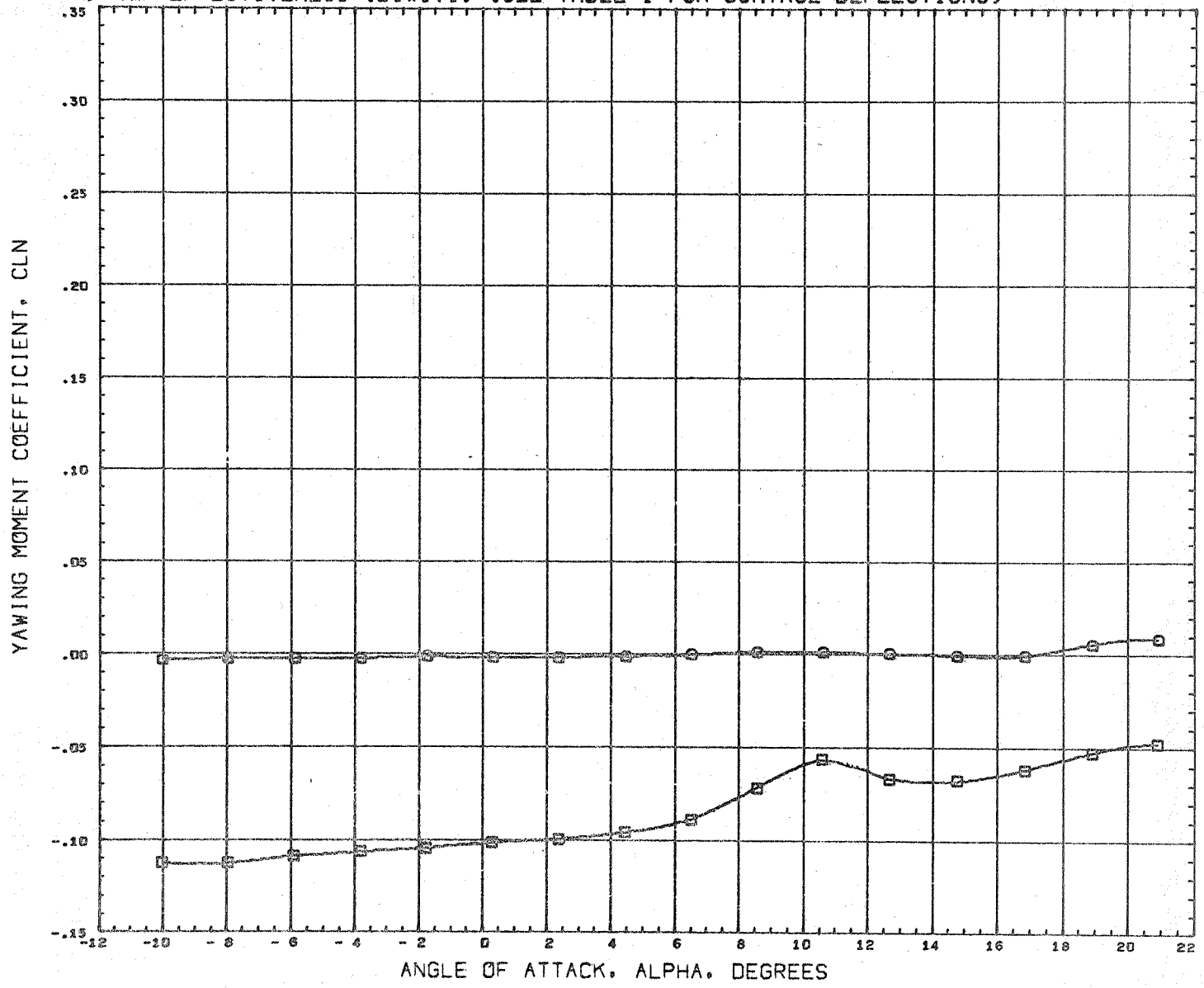
SYMBOL	RUDDER		PARAMETRIC VALUES		
□	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDER
○	0.000
□	20.000

PARAMETRIC VALUES

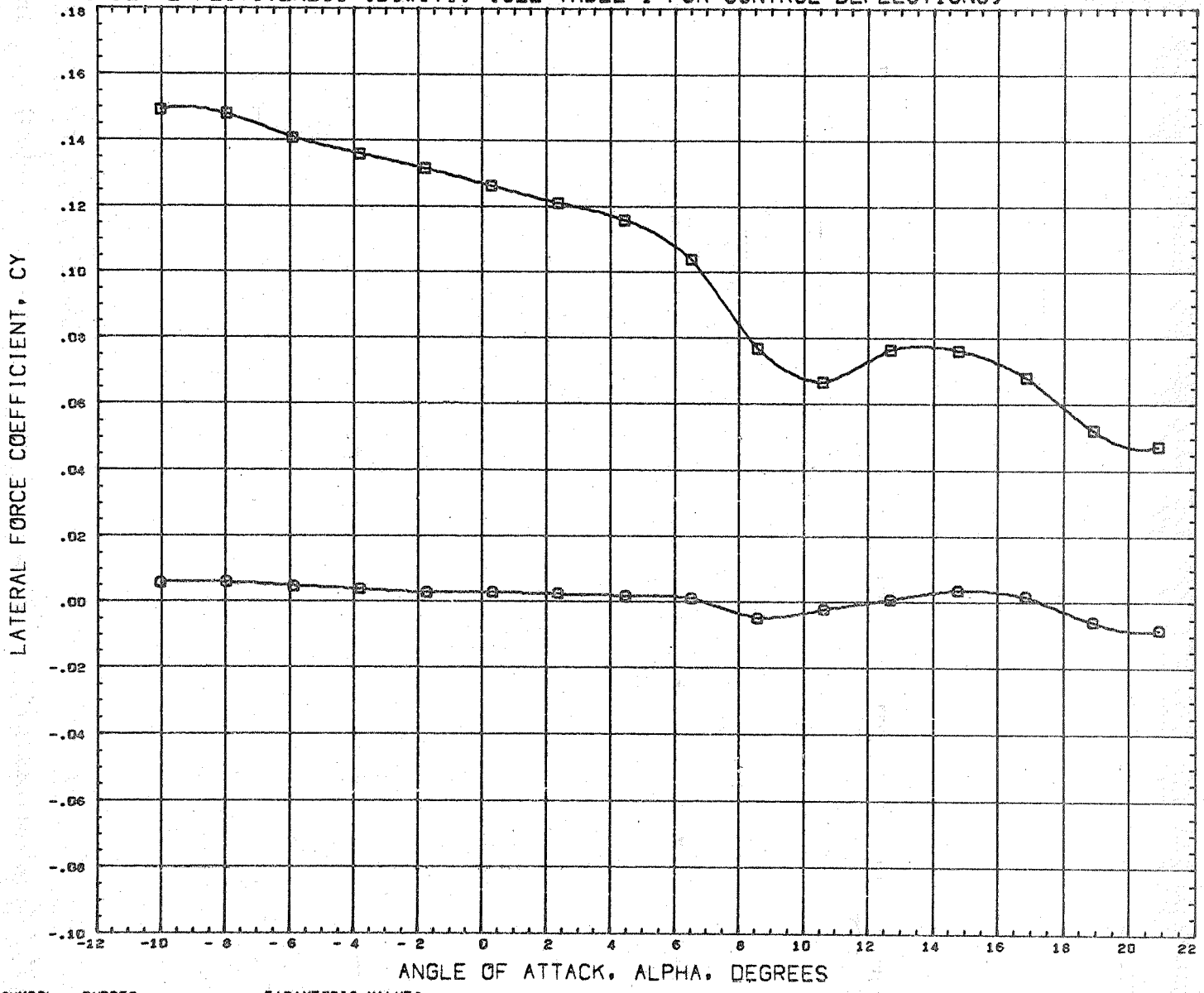
Q(PSF)	100.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



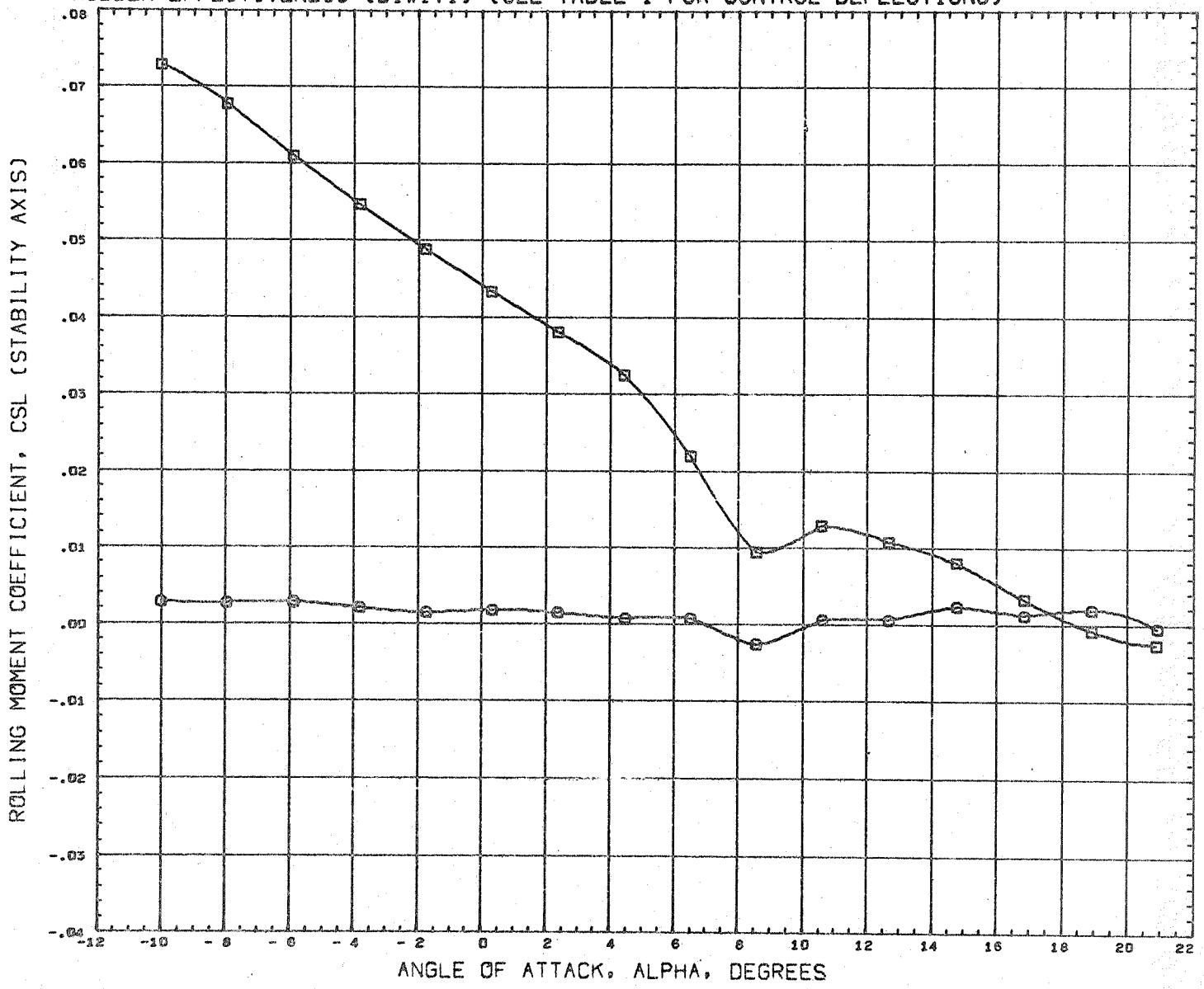
SYMBOL	RUDDER		PARAMETRIC VALUES		
O	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



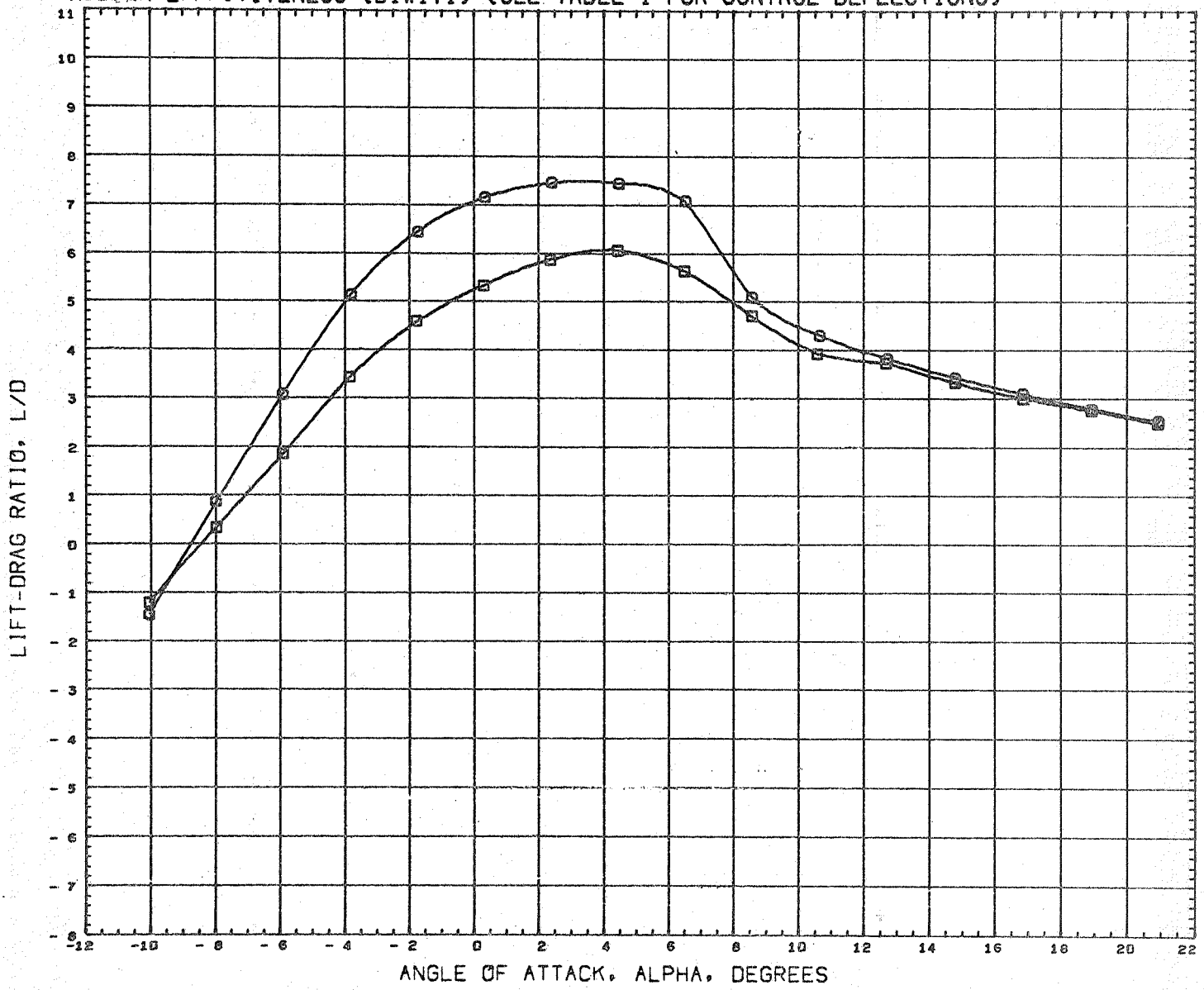
SYMBOL	RUDDER		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

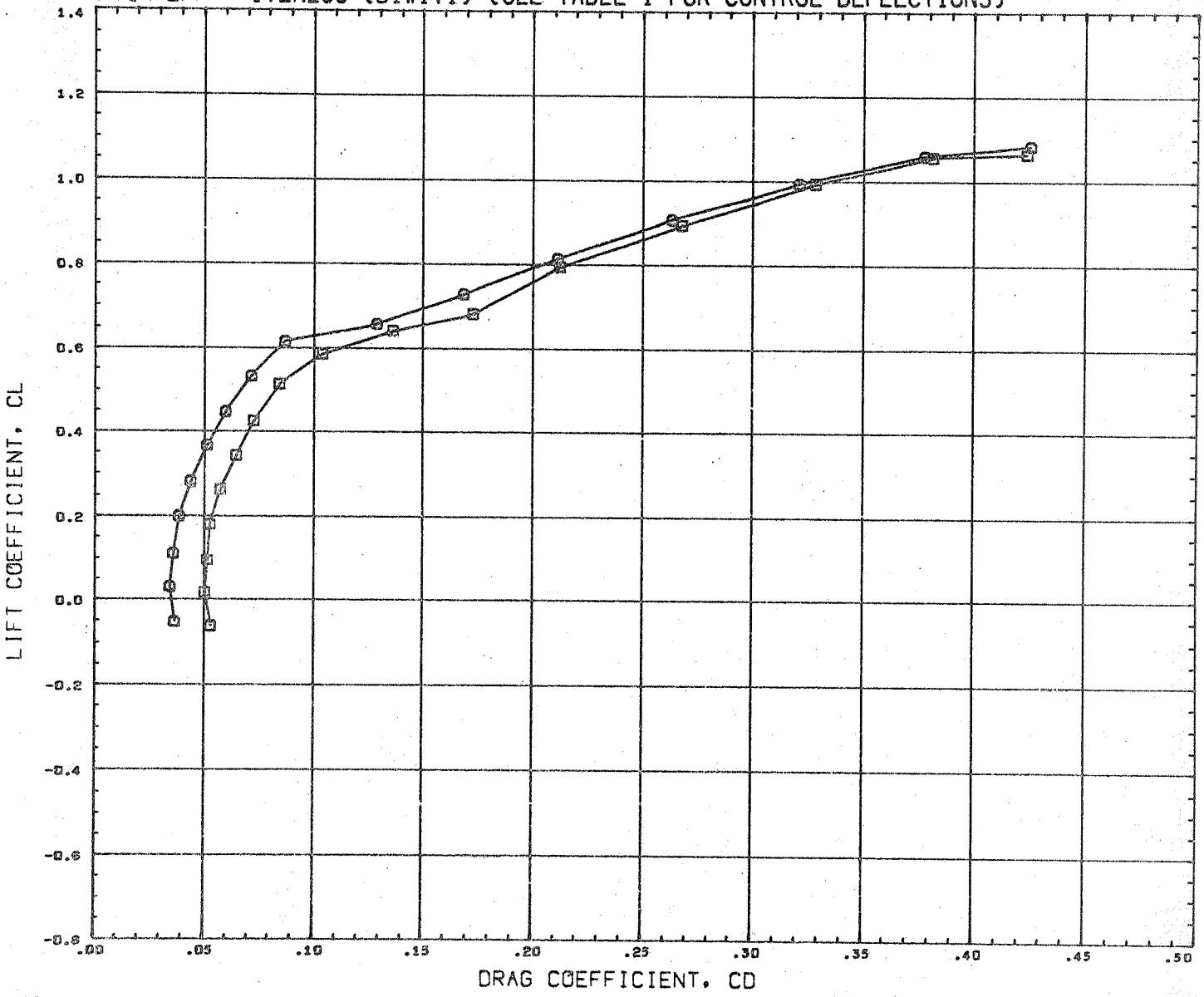


SYMBOL	RUDDER		PARAMETRIC VALUES		
O	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



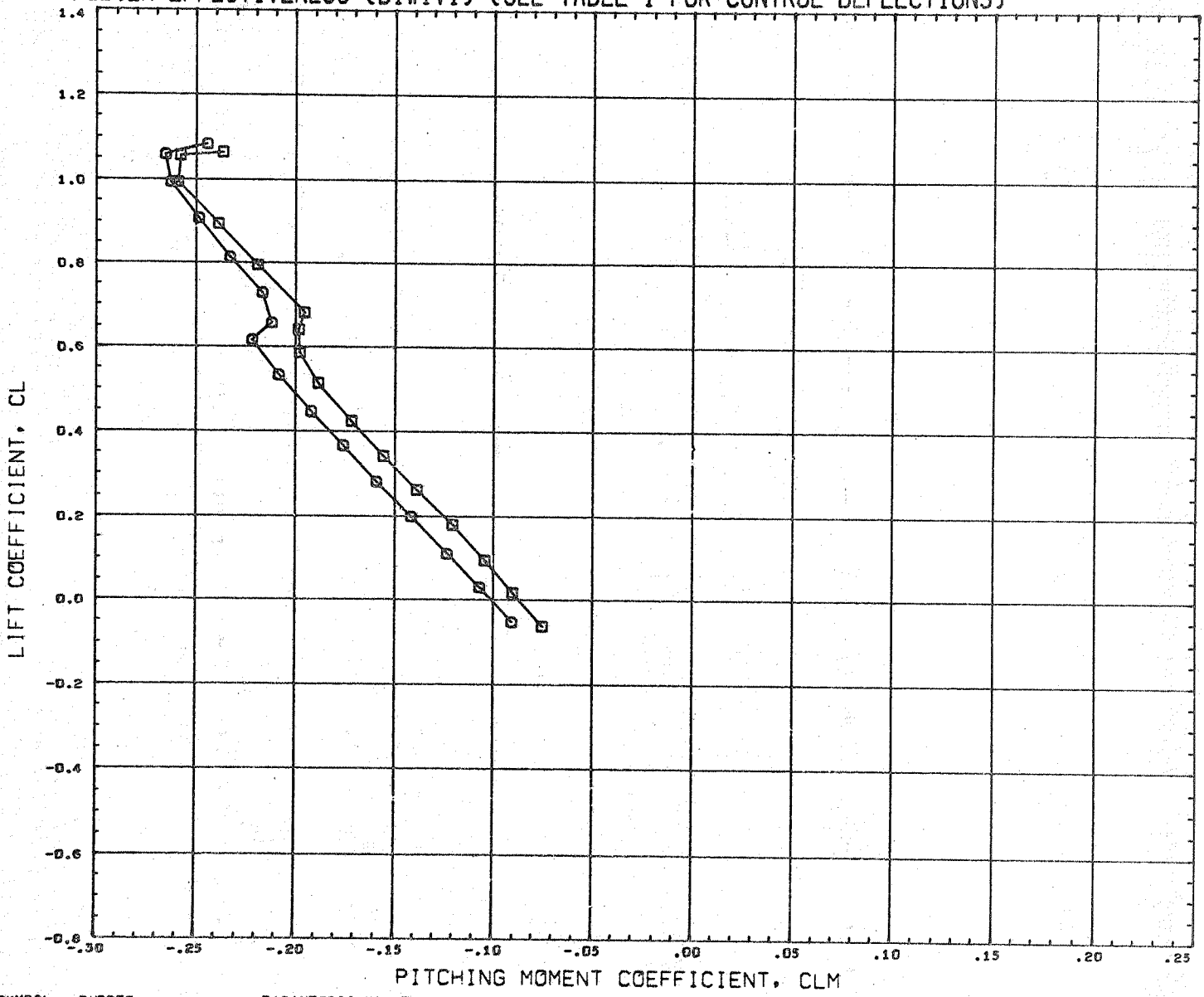
SYMBOL	RUDDER		PARAMETRIC VALUES		
O	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



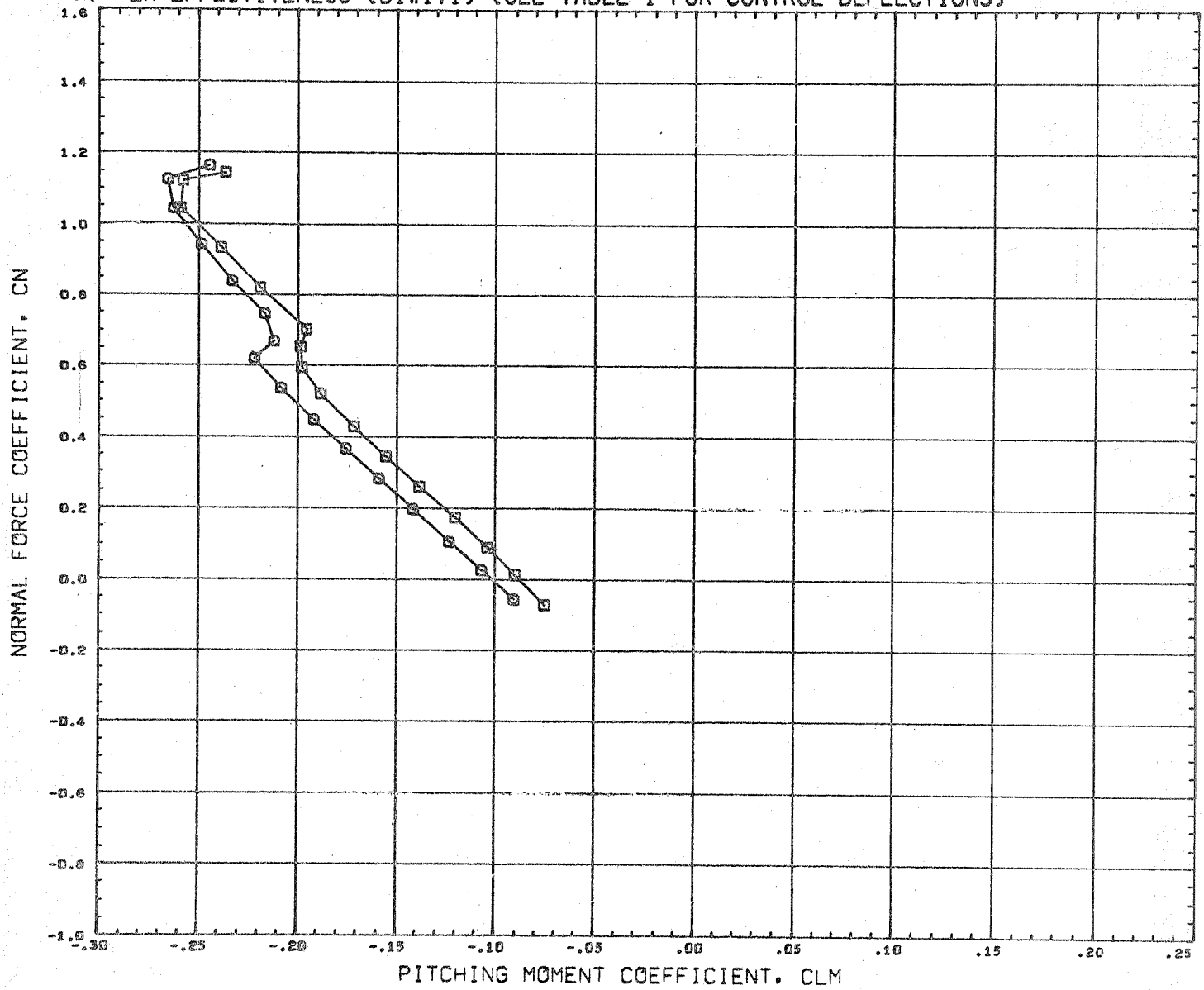
SYMBOL	RUDDER		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	BETA	0.000
□	20.000	ELEVTR	0.000	AILRON	0.000
		RUDDFL	0.000		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDER
○	0.000
□	20.000

PARAMETRIC VALUES

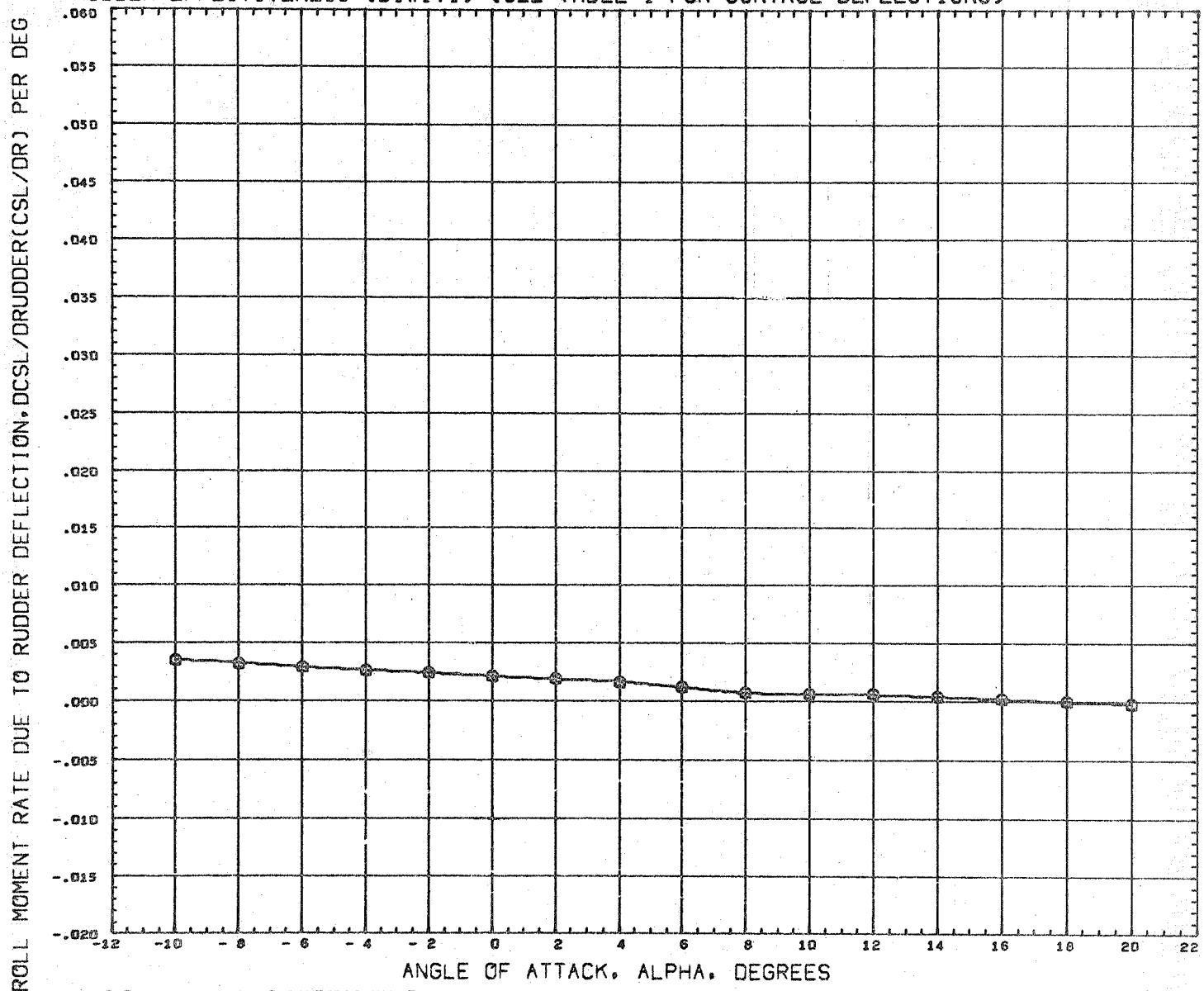
Q(PSF)	100.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDFL	0.000		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



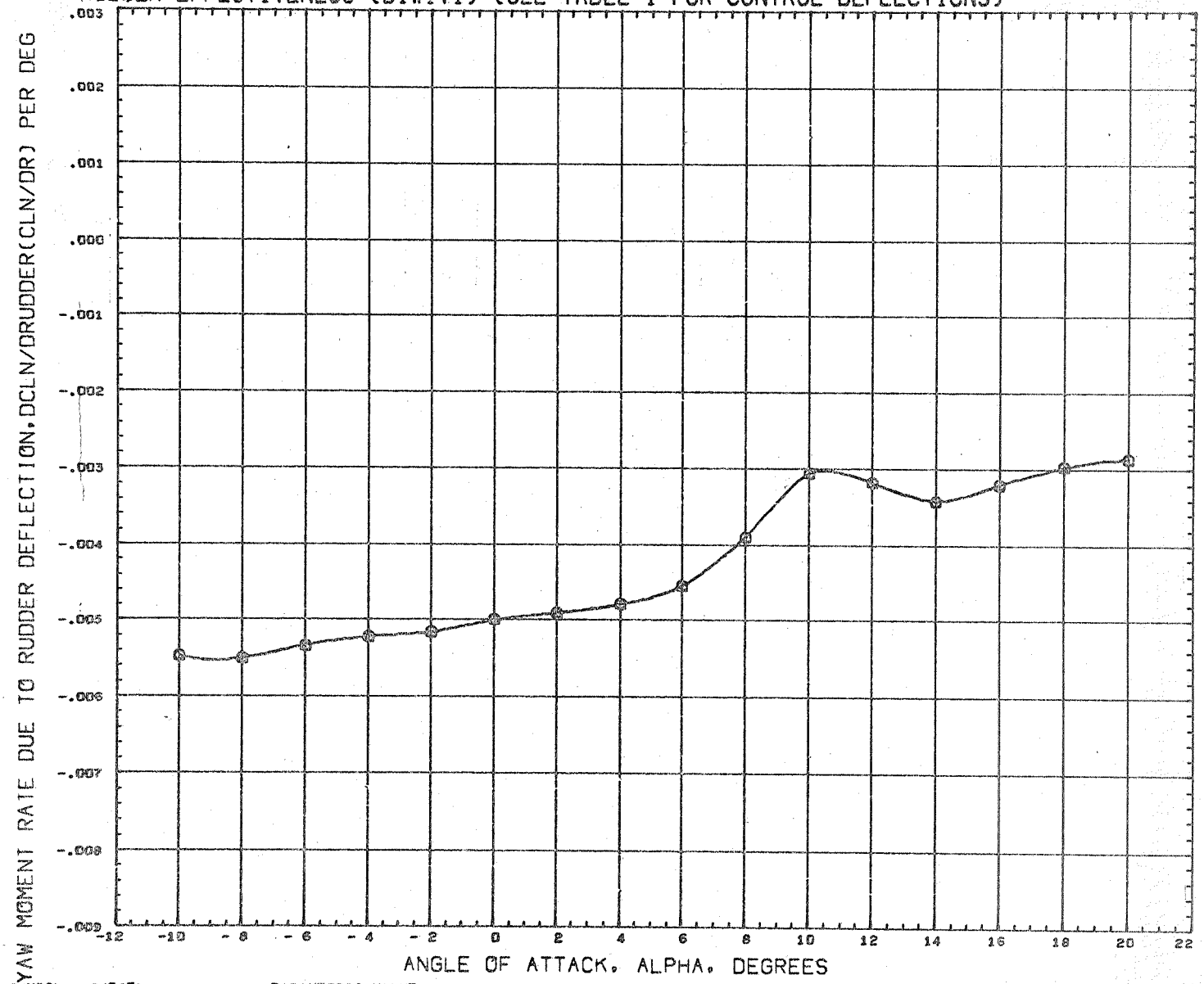
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

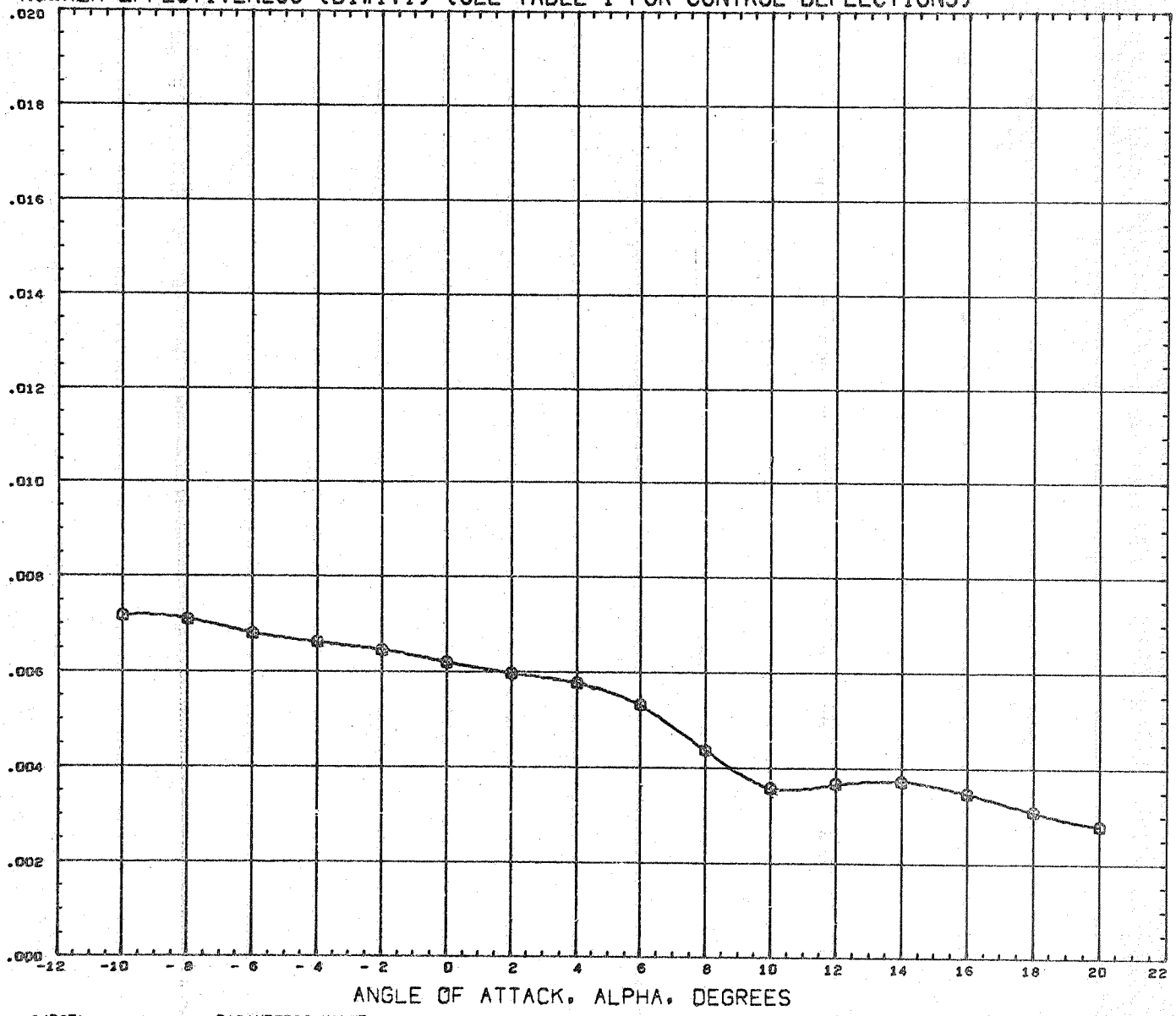


SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER EFFECTIVENESS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



YAW FORCE RATE DUE TO RUDDER DEFLECTION, DCY/DRUDDER(DCY/DR) PER DEG

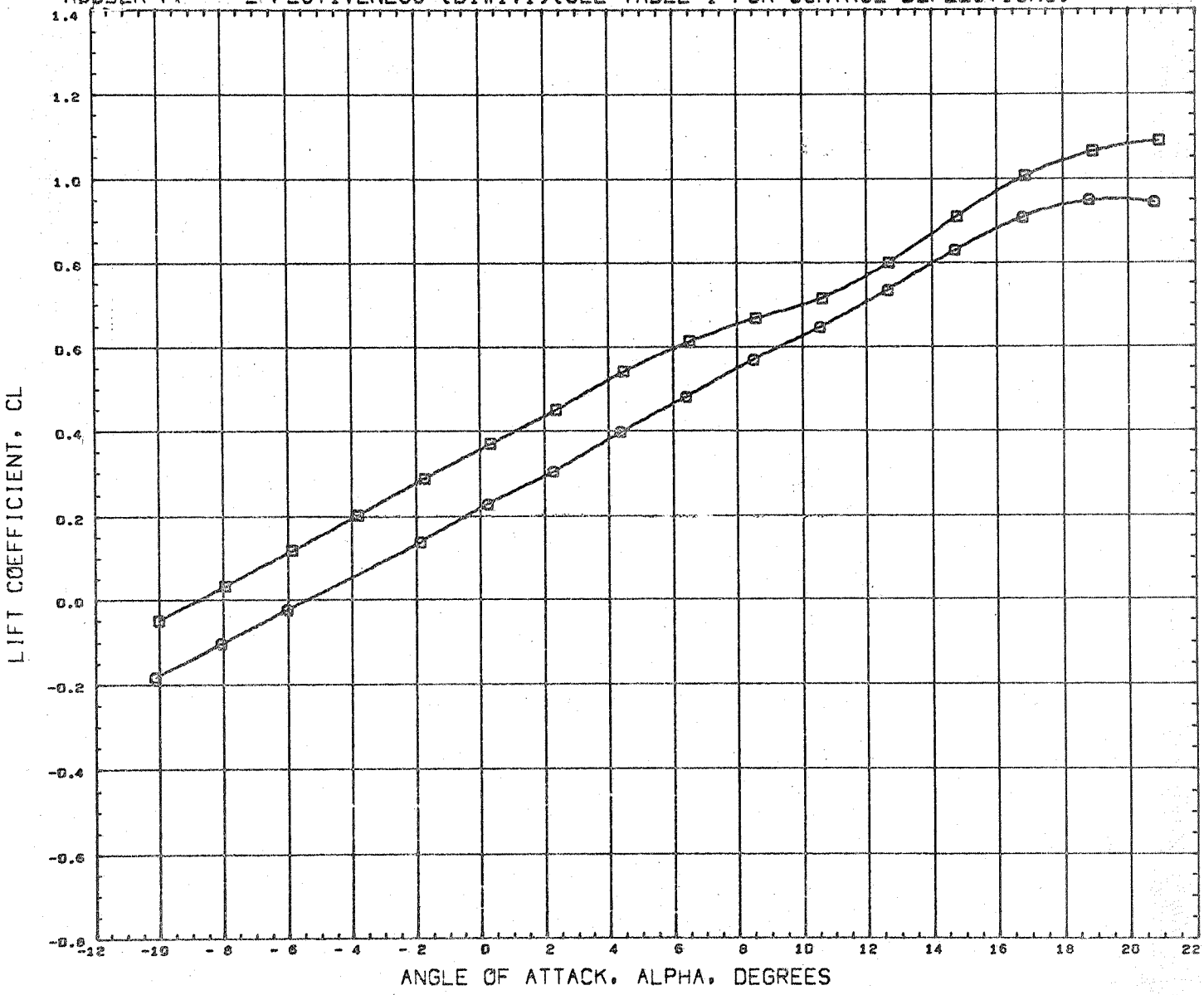
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

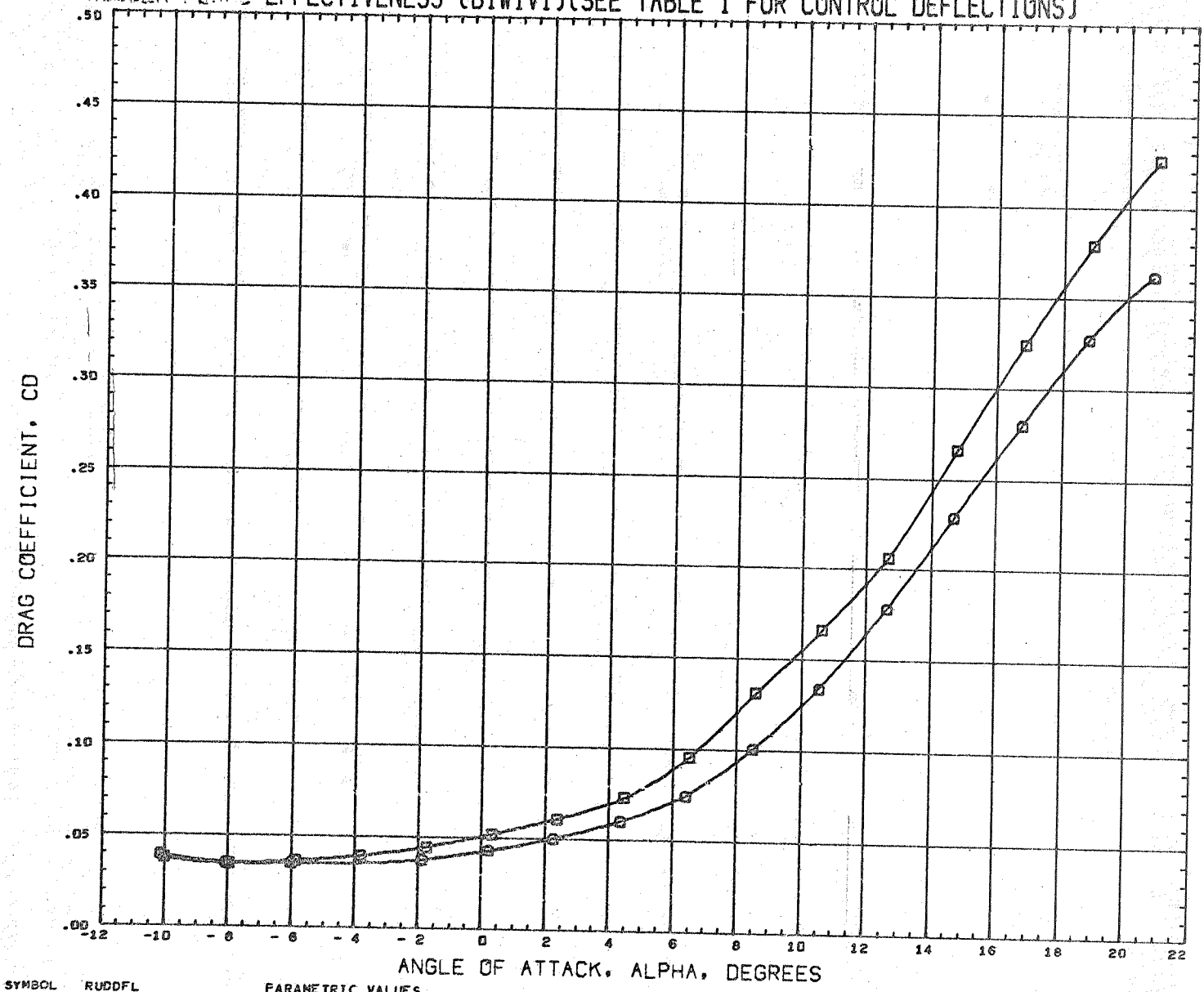


SYMBOL	RUDDFL		PARAMETRIC VALUES		
○	- 22.500	Q(PSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLAPE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDFL
O	- 22.500
□	0.000

PARAMETRIC VALUES

Q(PSF)	40.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDER	- 2.500		

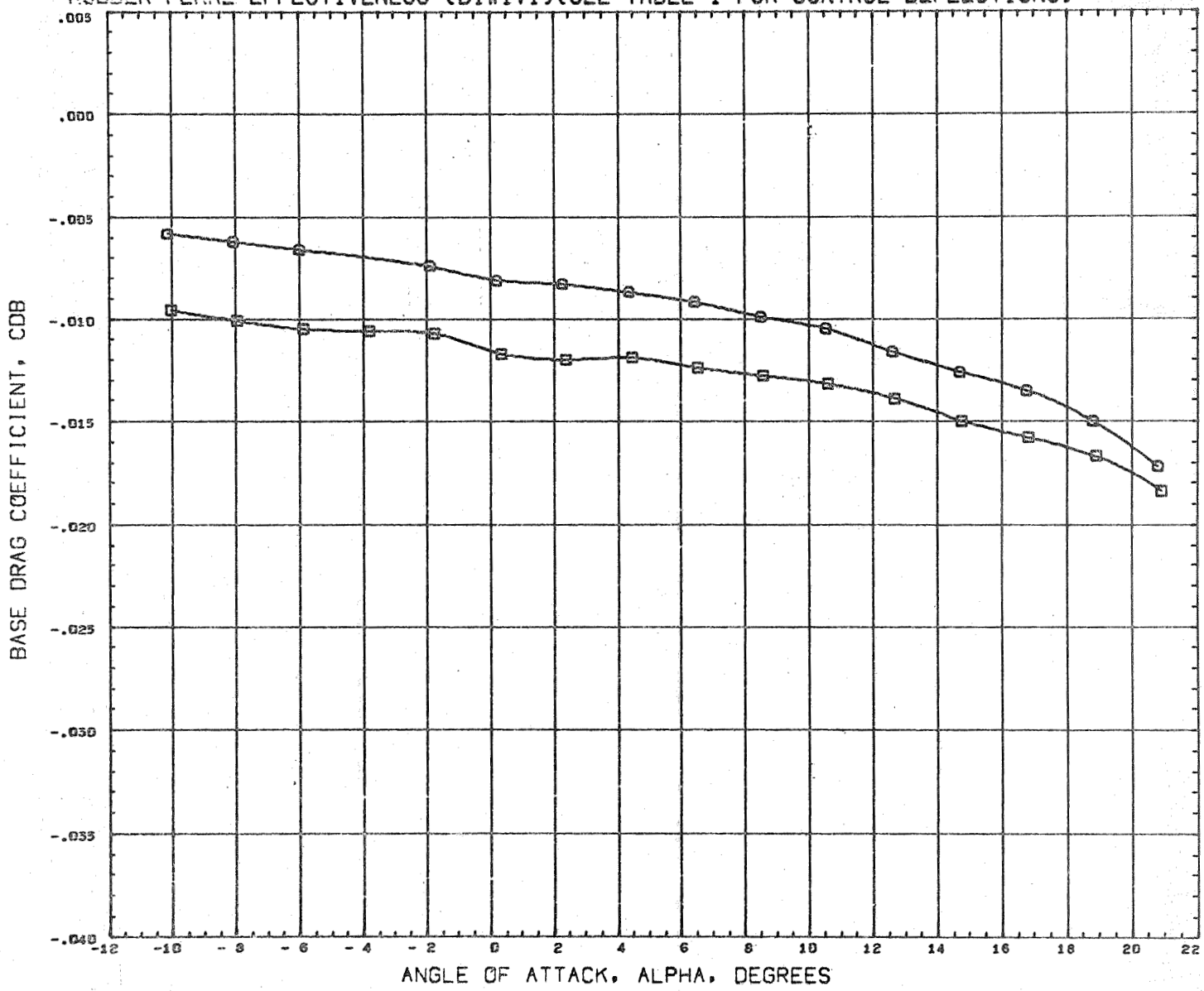
DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

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RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

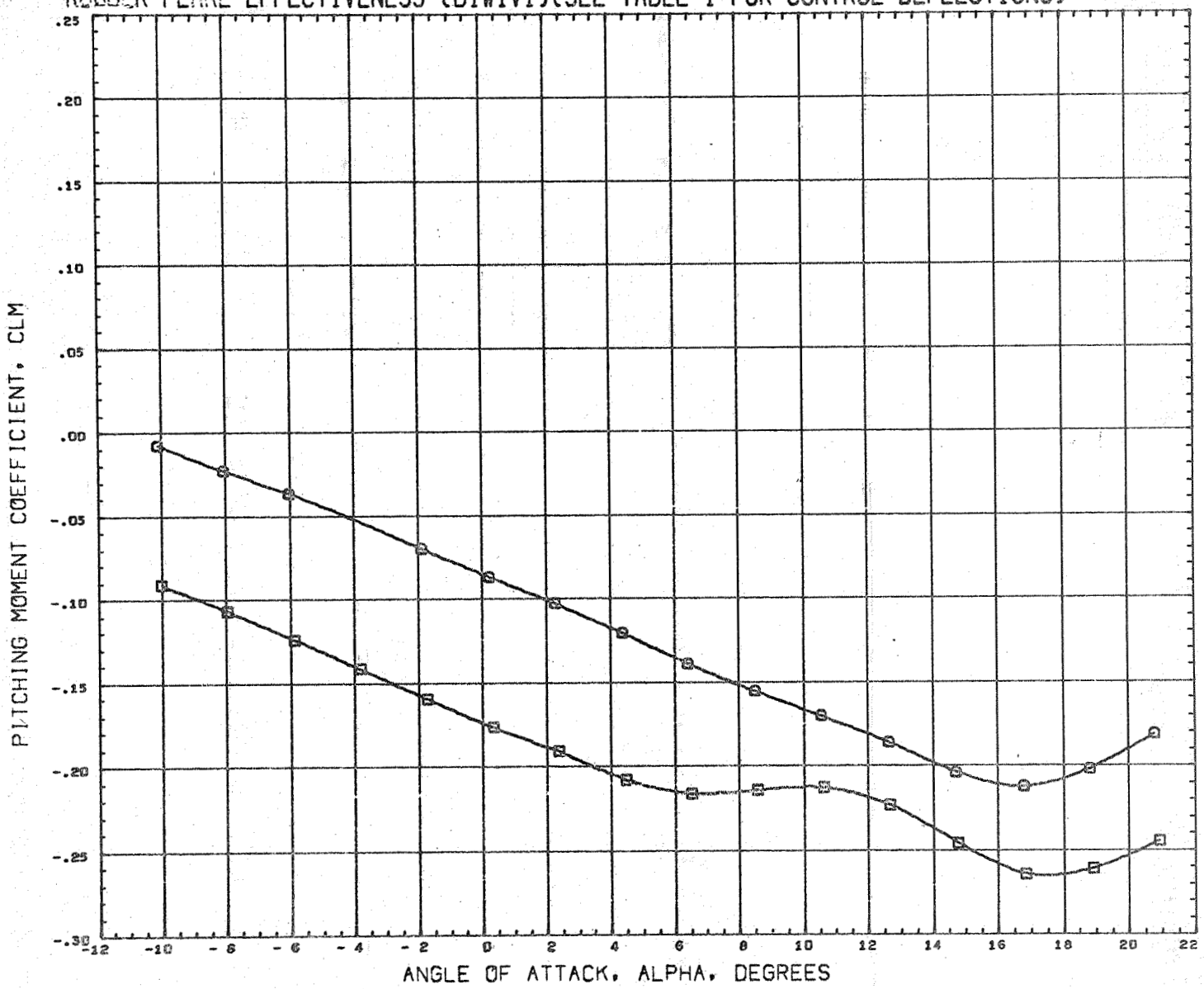


SYMBOL	RUDDFL	PARAMETRIC VALUES			
○	- 22.500	Q(PSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDFL
○	- 22.500
□	0.000

PARAMETRIC VALUES

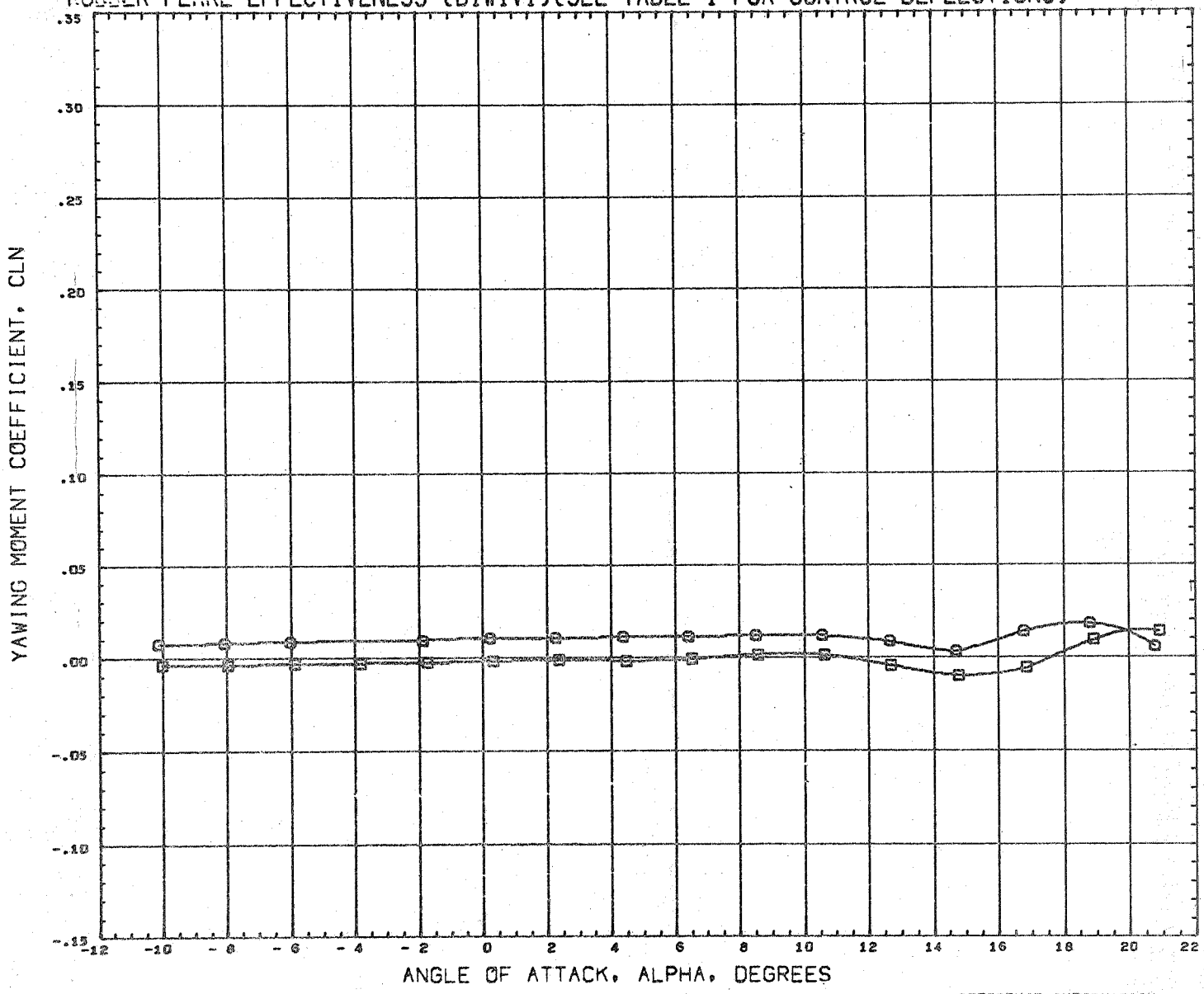
Q(PSF)	40.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDER	- 2.500		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



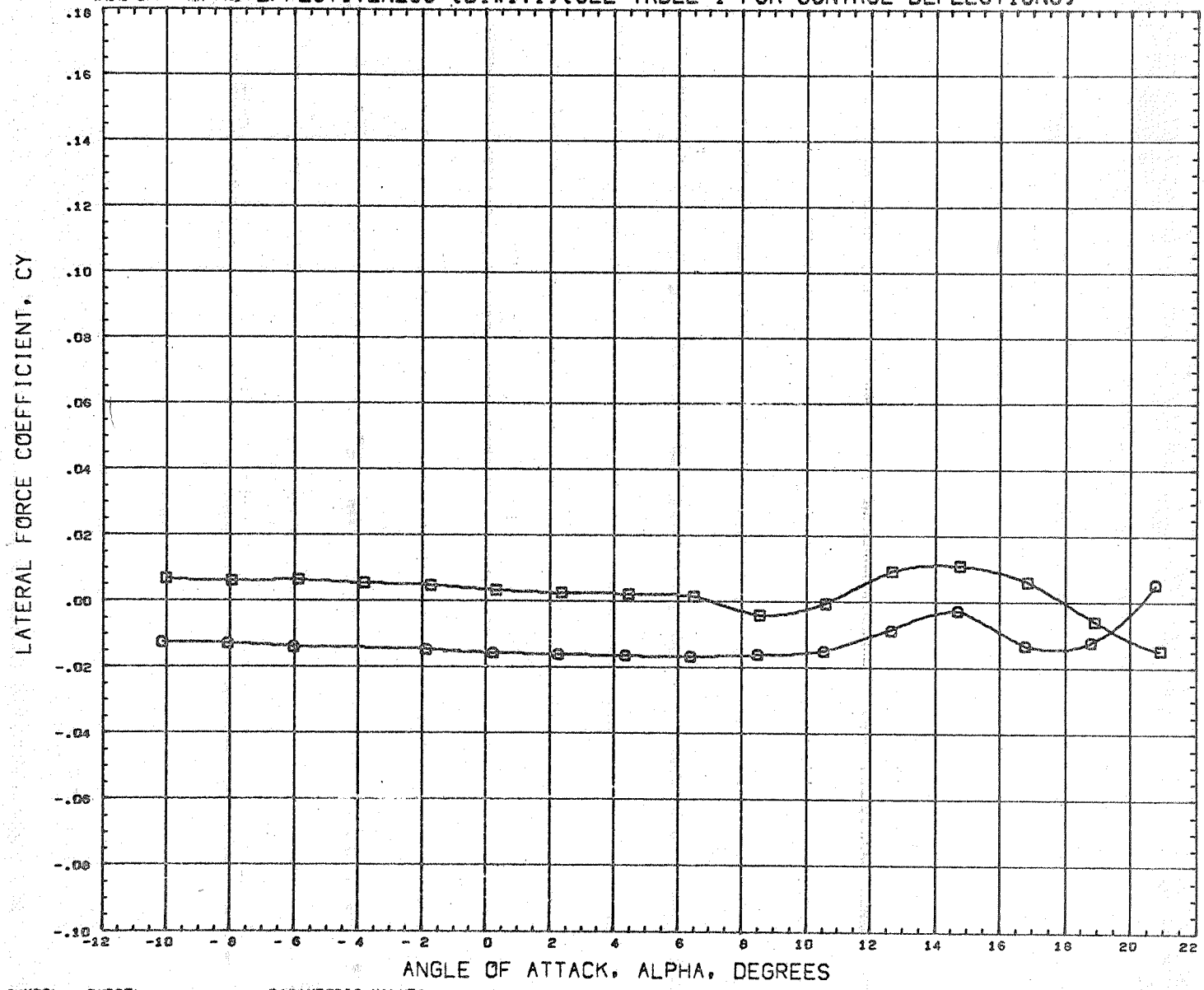
SYMBOL	RUDDFL		PARAMETRIC VALUES		
○	- 22.500	Q(PSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



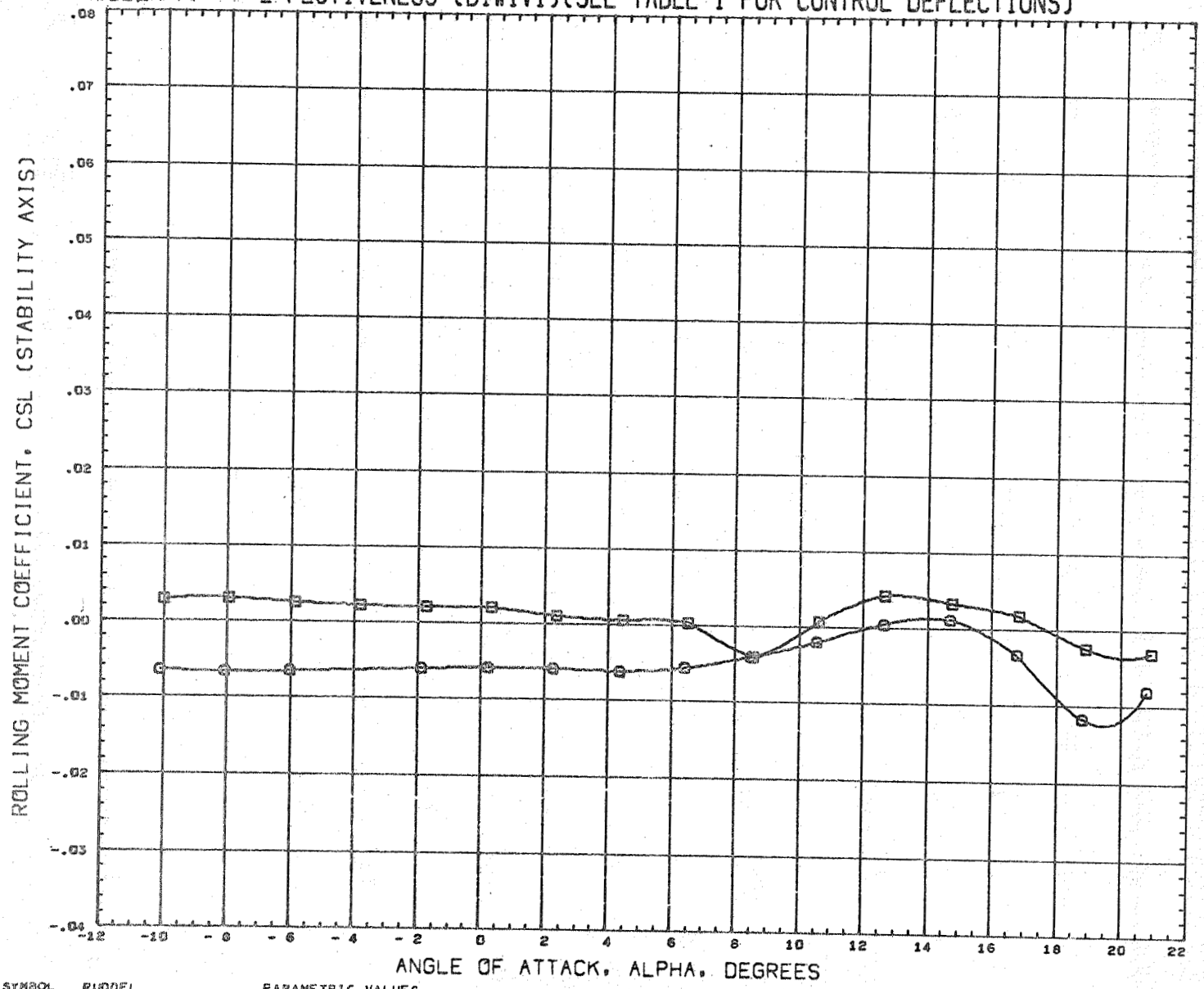
SYMBOL	RUDDFL		PARAMETRIC VALUES		
○	- 22.500	Q(FSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDFL
□	- 22.500
□	0.000

PARAMETRIC VALUES

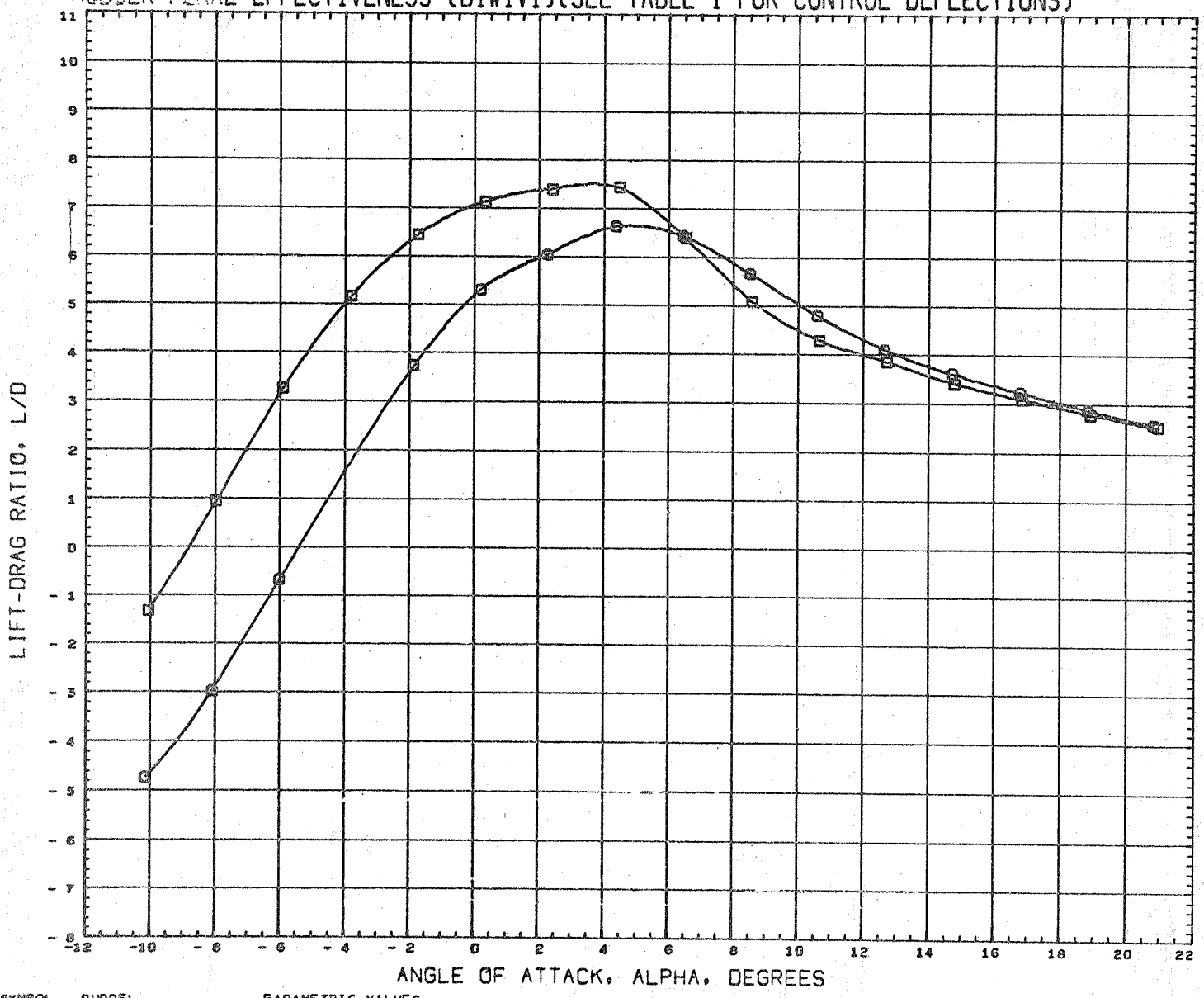
Q(PSF)	40.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDFL
O	- 22.500
□	0.000

PARAMETRIC VALUES

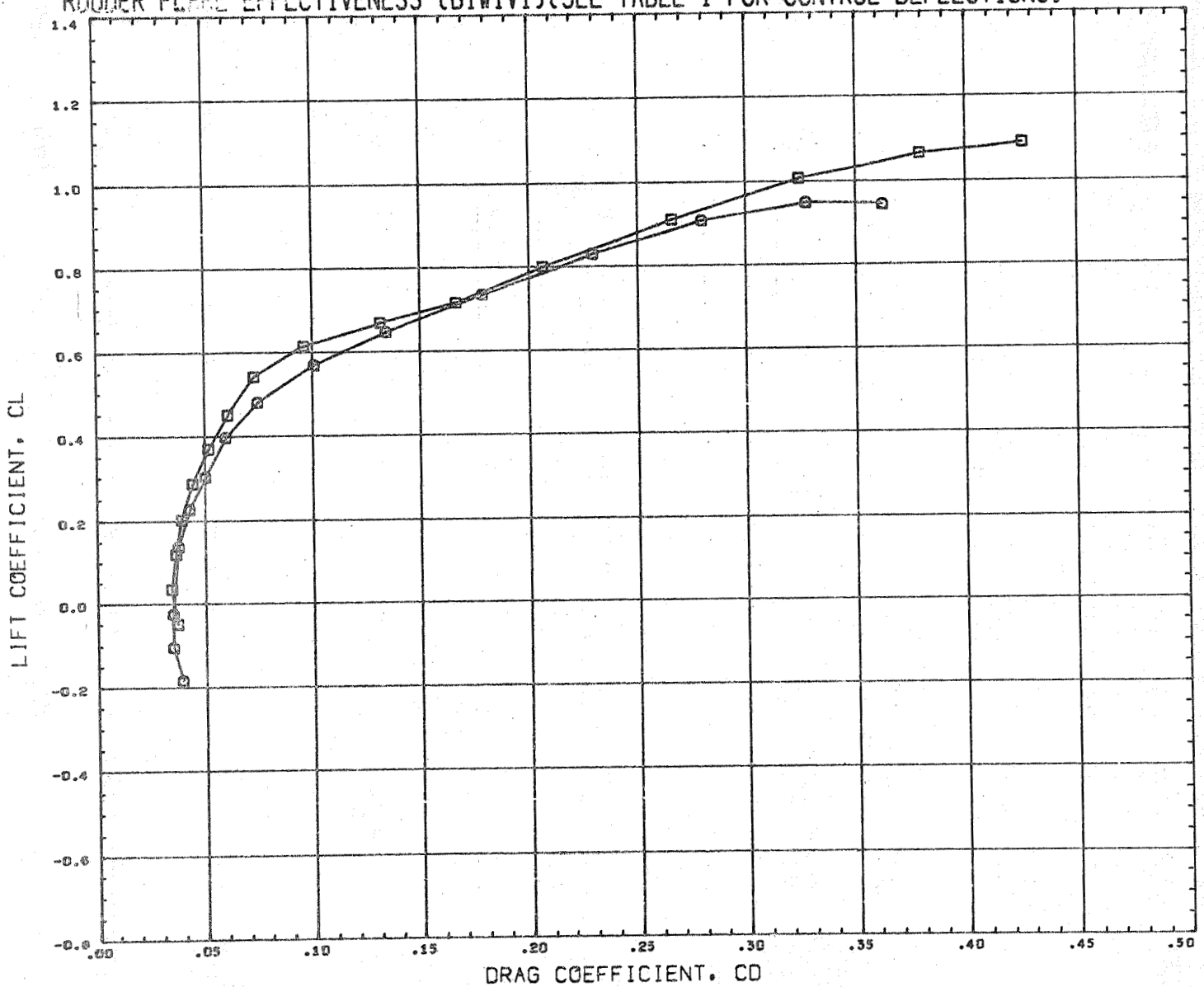
Q(PSF)	40.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



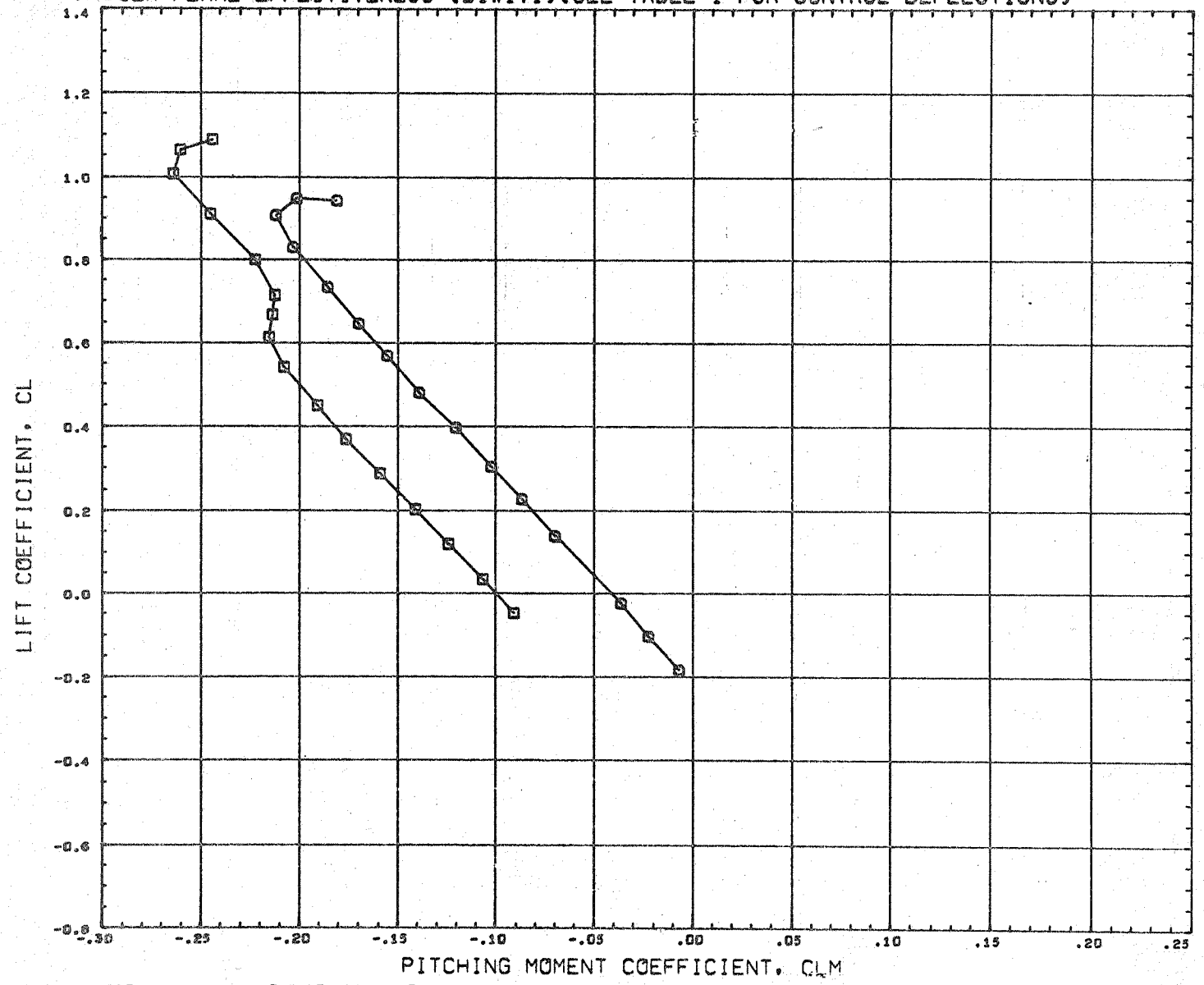
SYMBOL	RUDDFL		PARAMETRIC VALUES		
O	- 22.500	Q(PSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	RUDDFL
○	- 22.500
□	0.000

PARAMETRIC VALUES

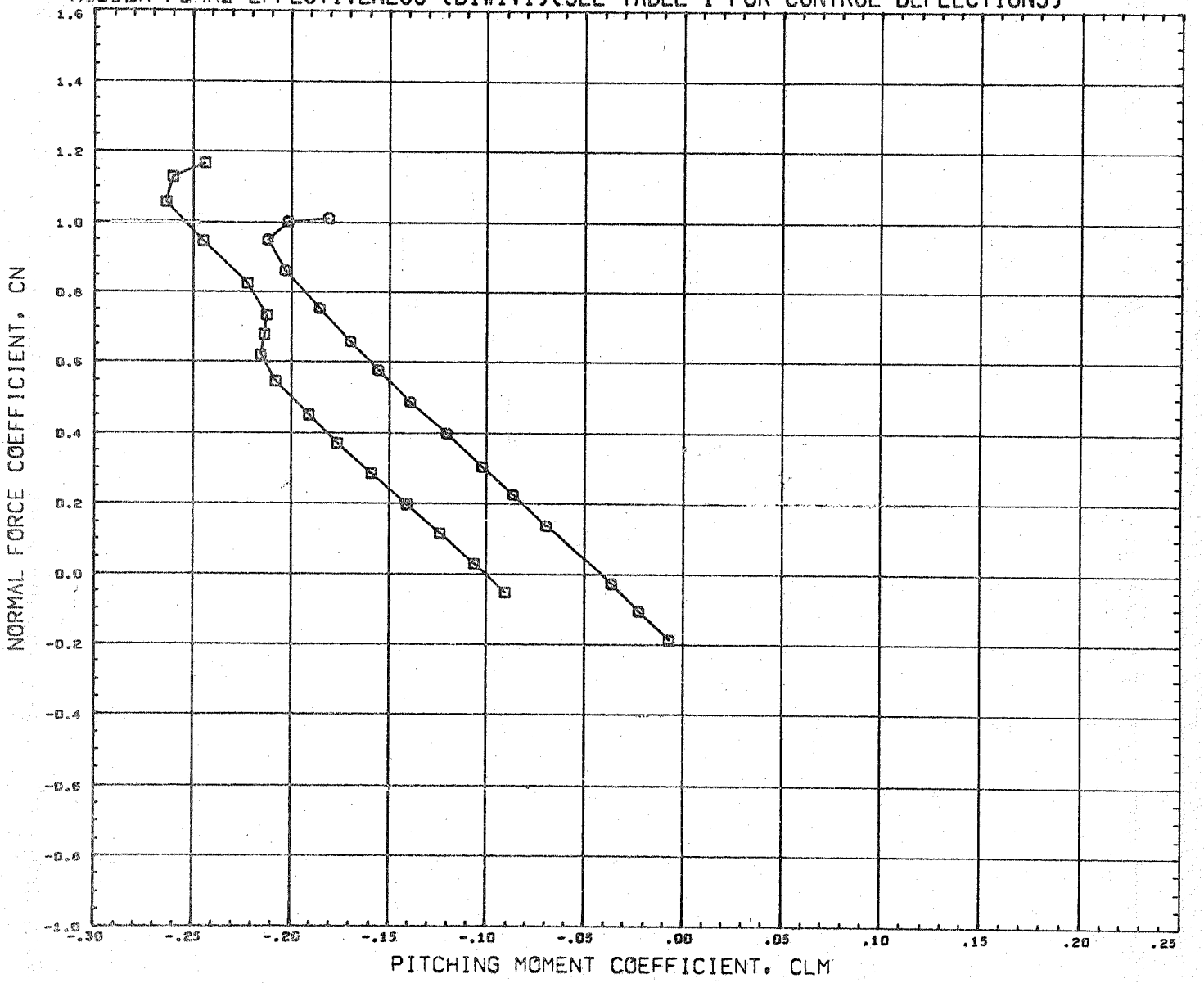
Q(PSF)	40.000	BETA	0.000
ELEVTR	0.000	AILRON	0.000
RUDDER	- 2.500		

DATA HIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



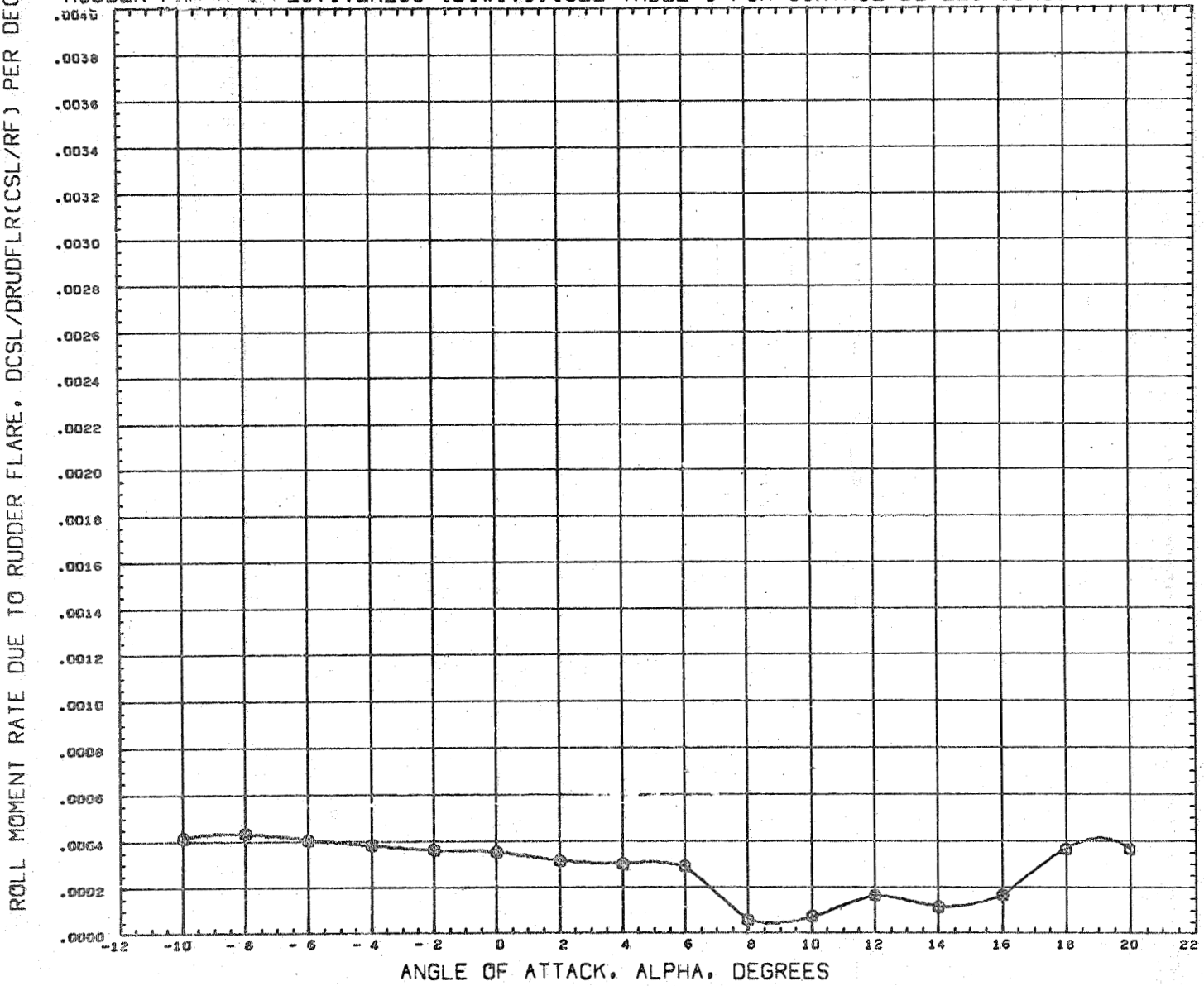
SYMBOL	RUDDFL		PARAMETRIC VALUES		
O	- 22.500	Q(PSF)	40.000	BETA	0.000
□	0.000	ELEVTR	0.000	AILRON	0.000
		RUDDER	- 2.500		

DATA MIST. CODE V*E*A

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



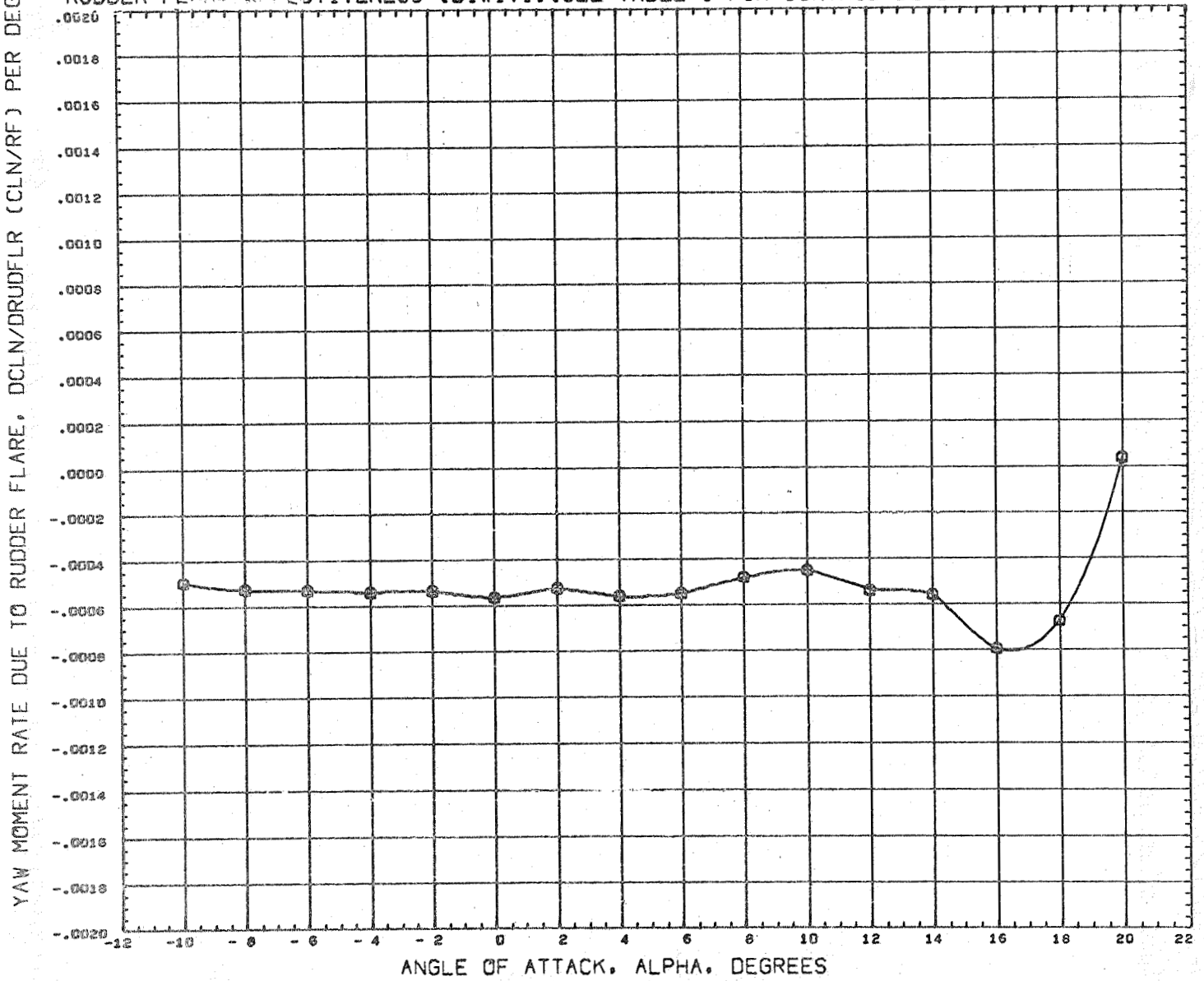
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDFL	- 22.500

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE *P

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



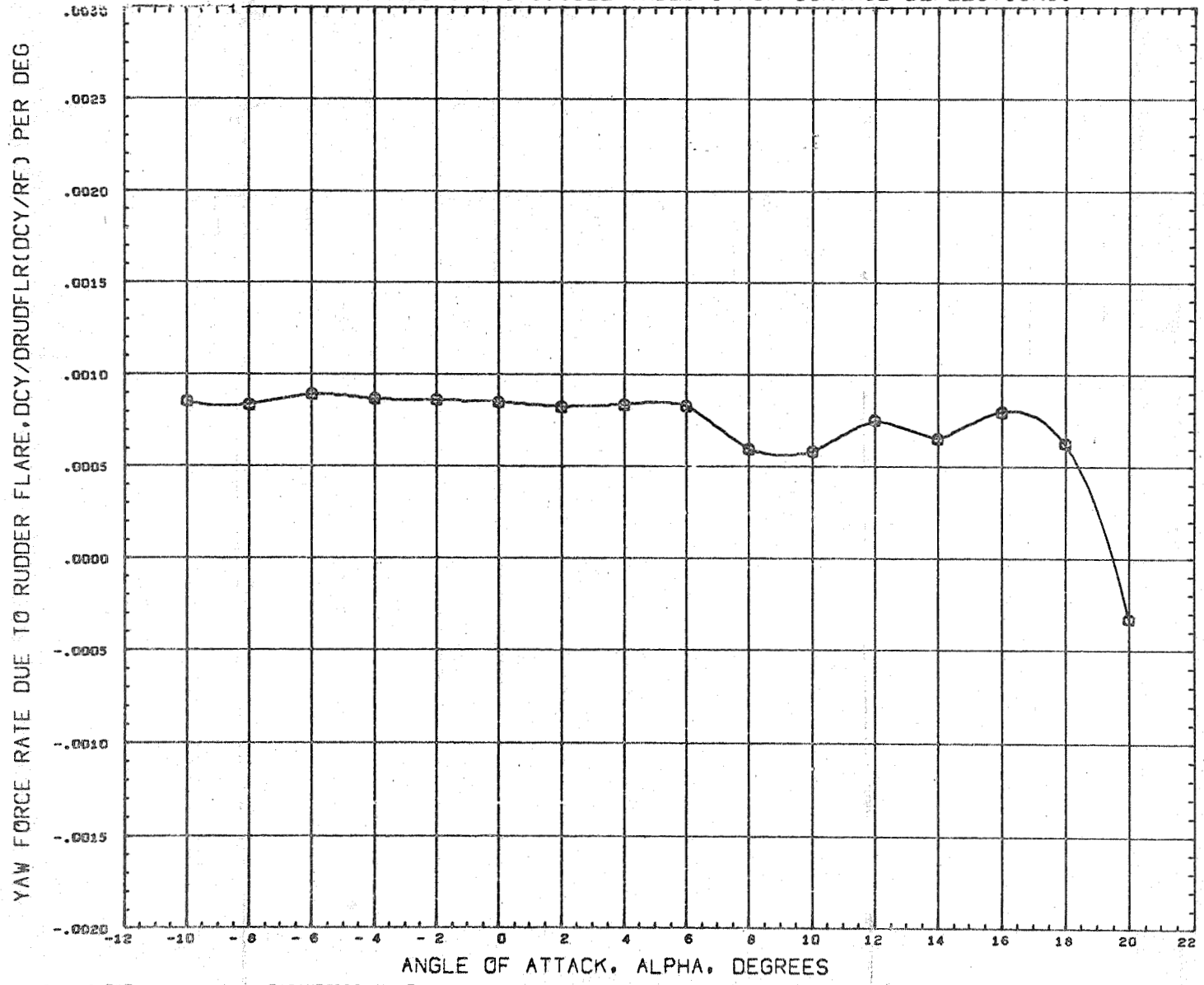
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDFL	- 22.500

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER FLARE EFFECTIVENESS (B1W1V1)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



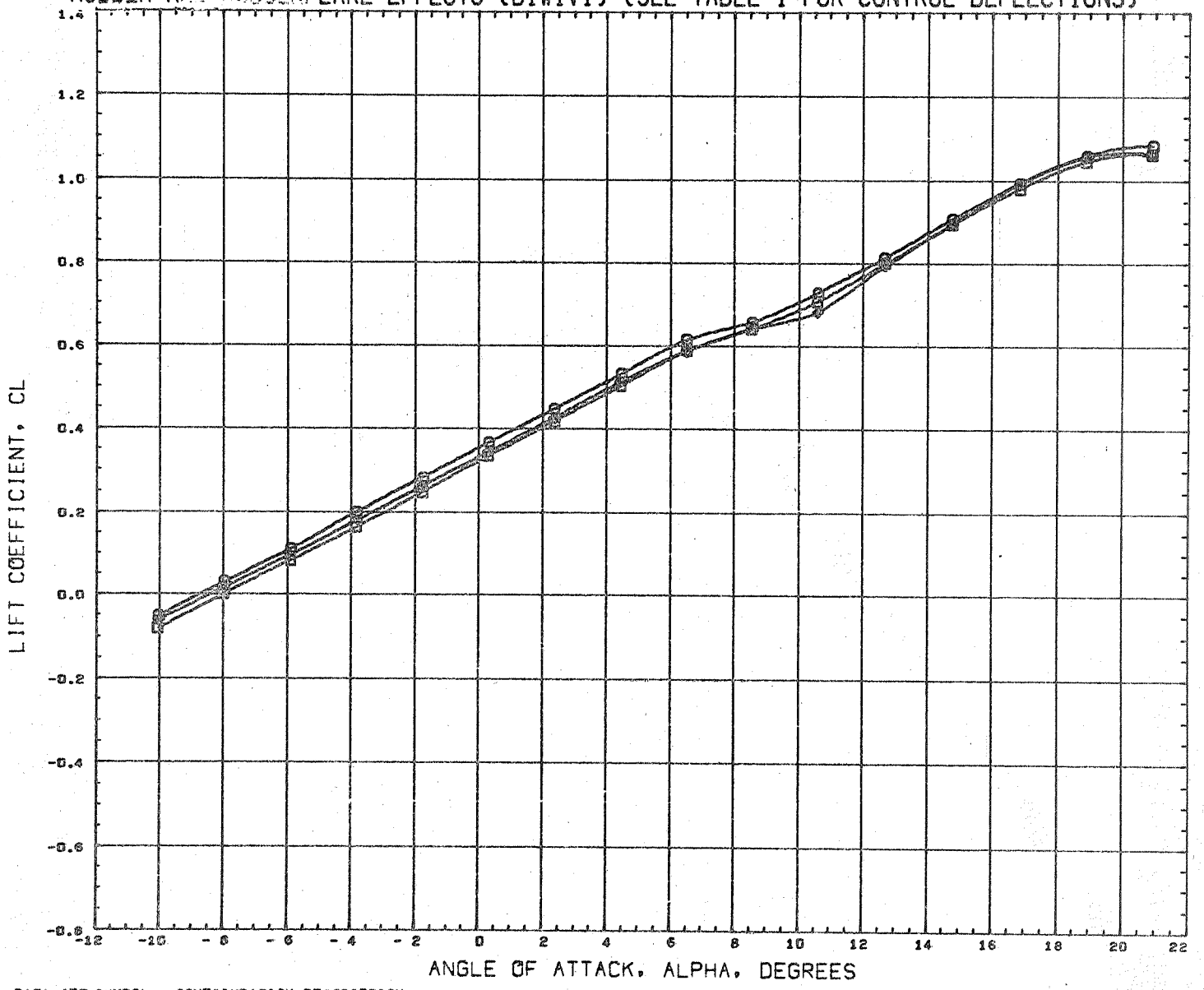
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDFL	- 22.500

DATA HIST. CODE #P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD25)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

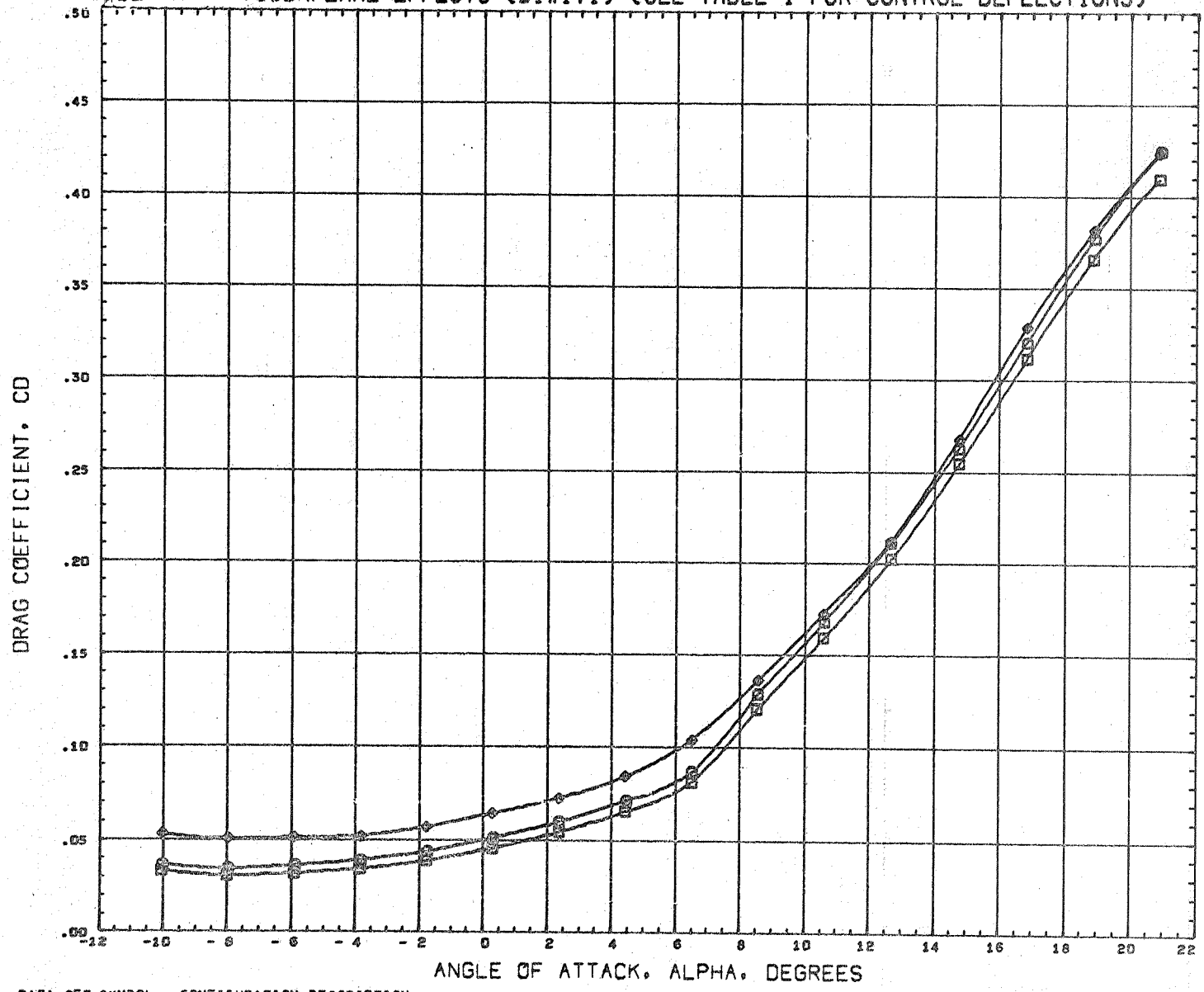
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

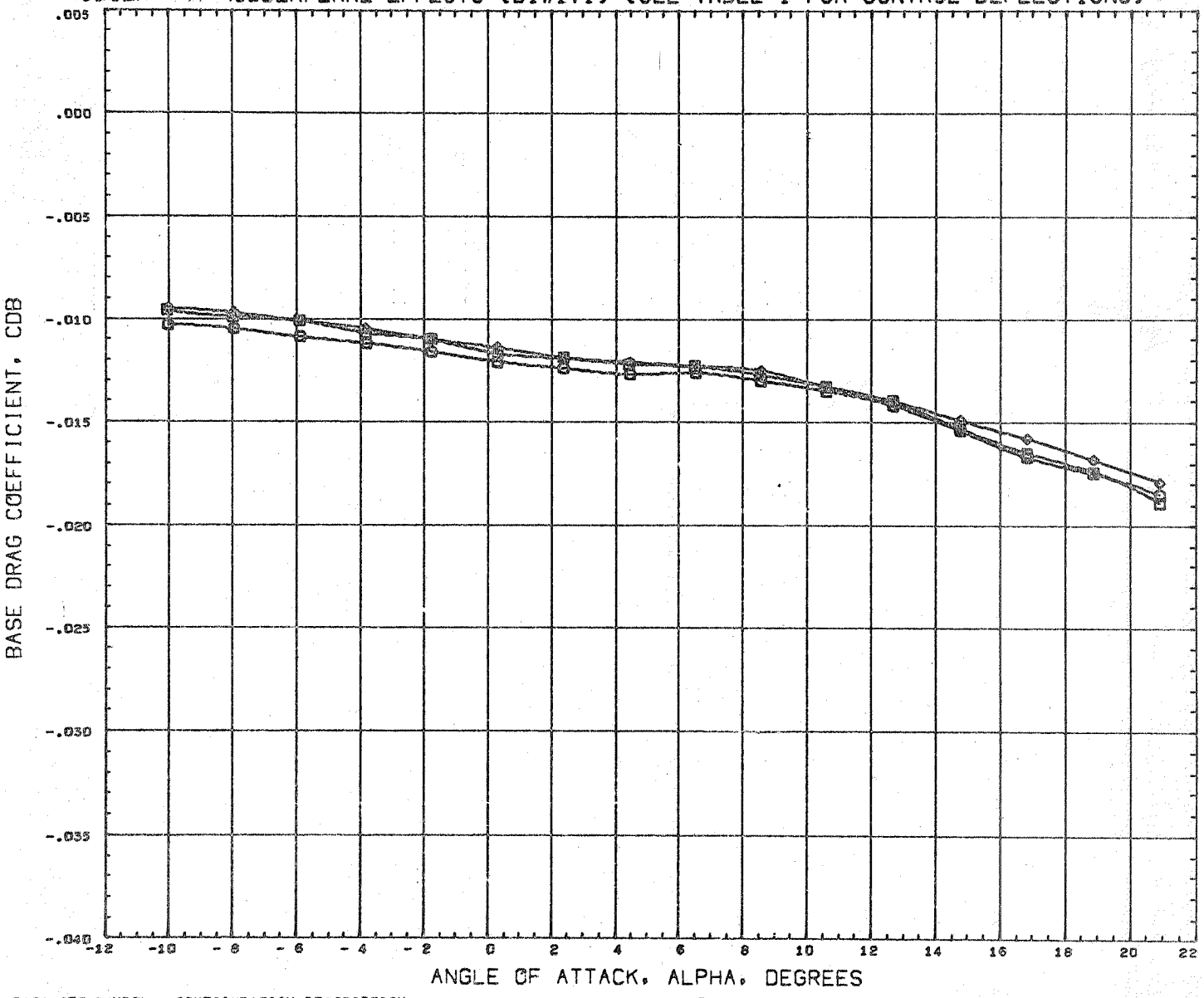
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

@(PSF) 100.000

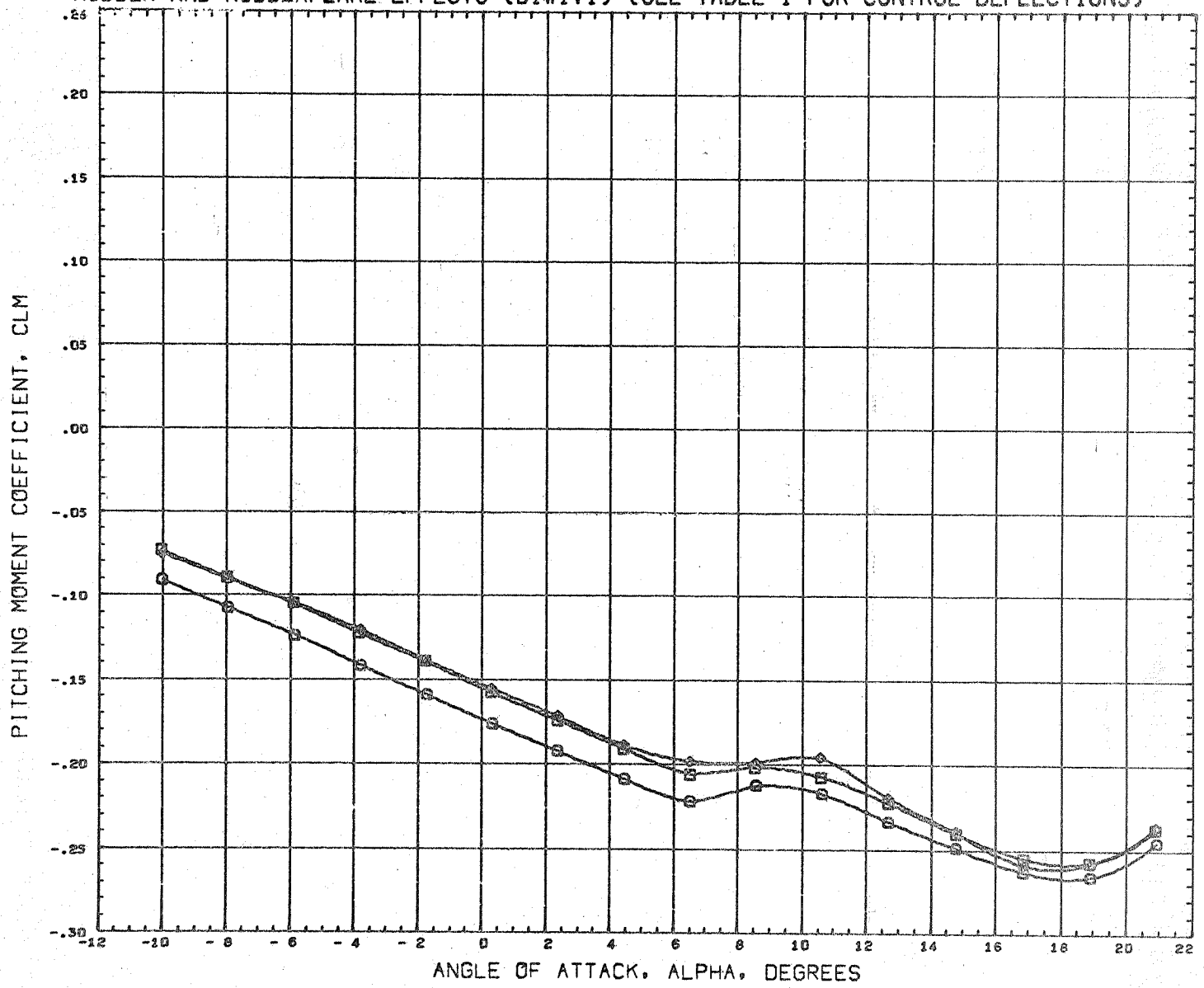
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

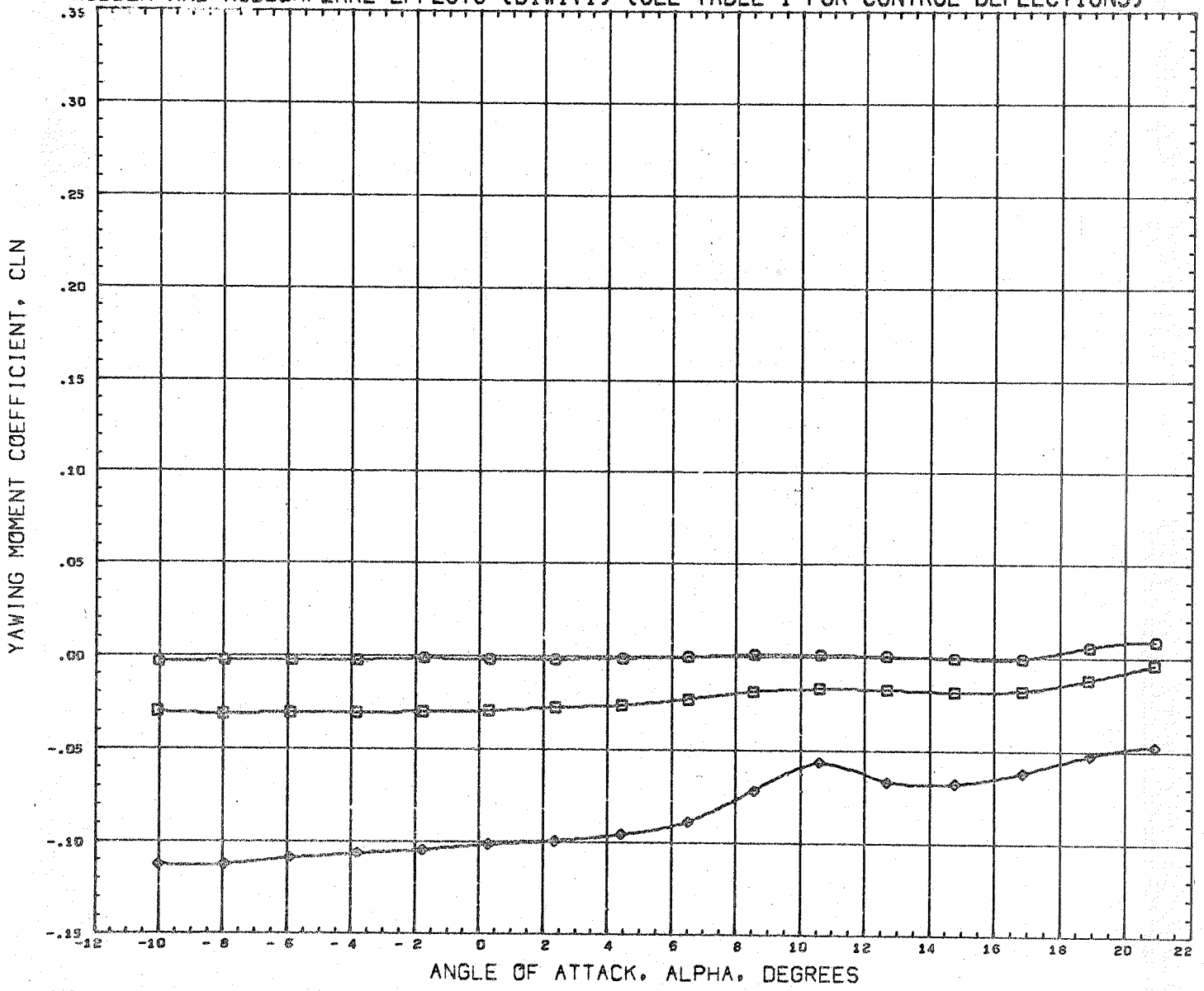
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(ECBD28)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

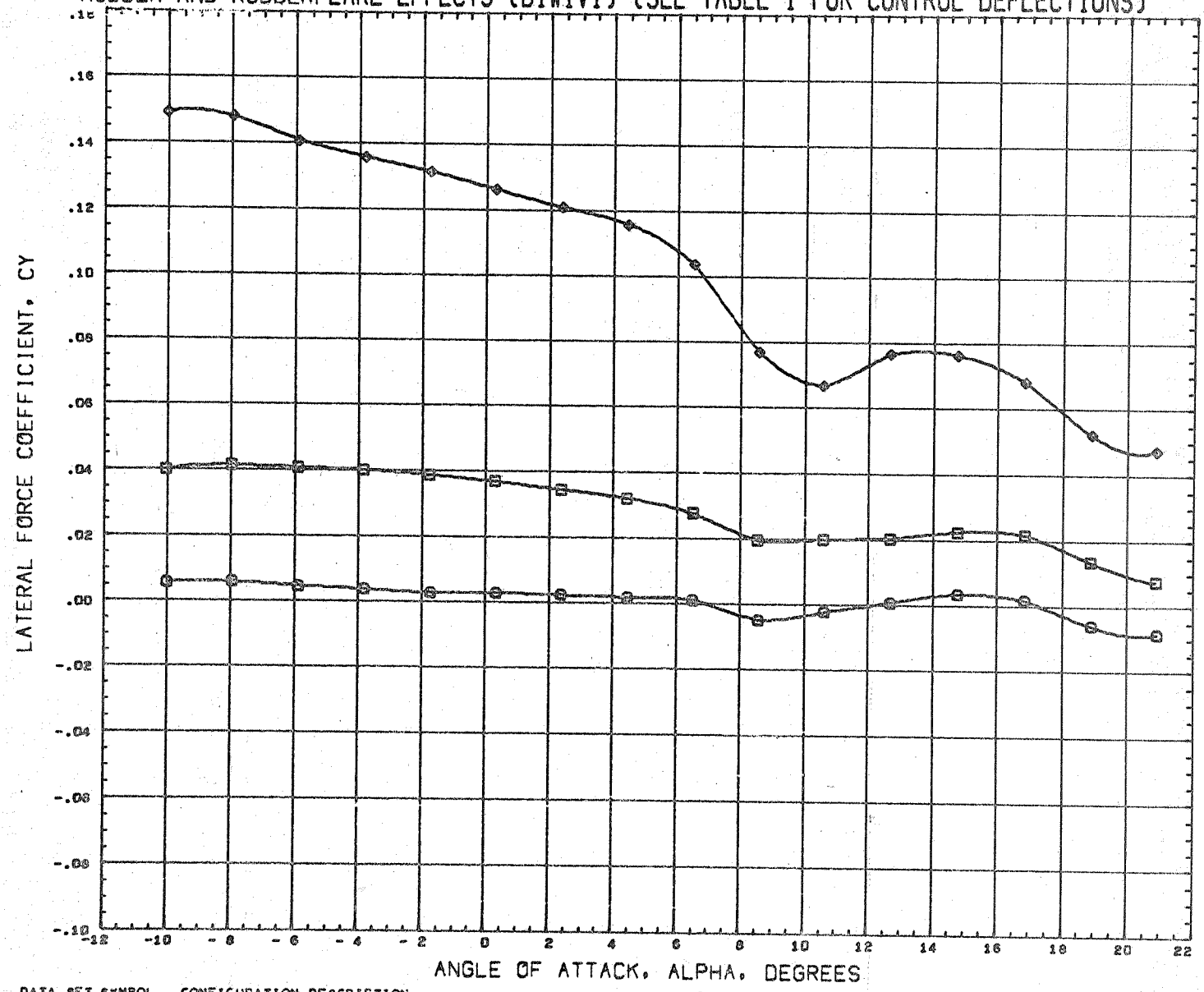
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

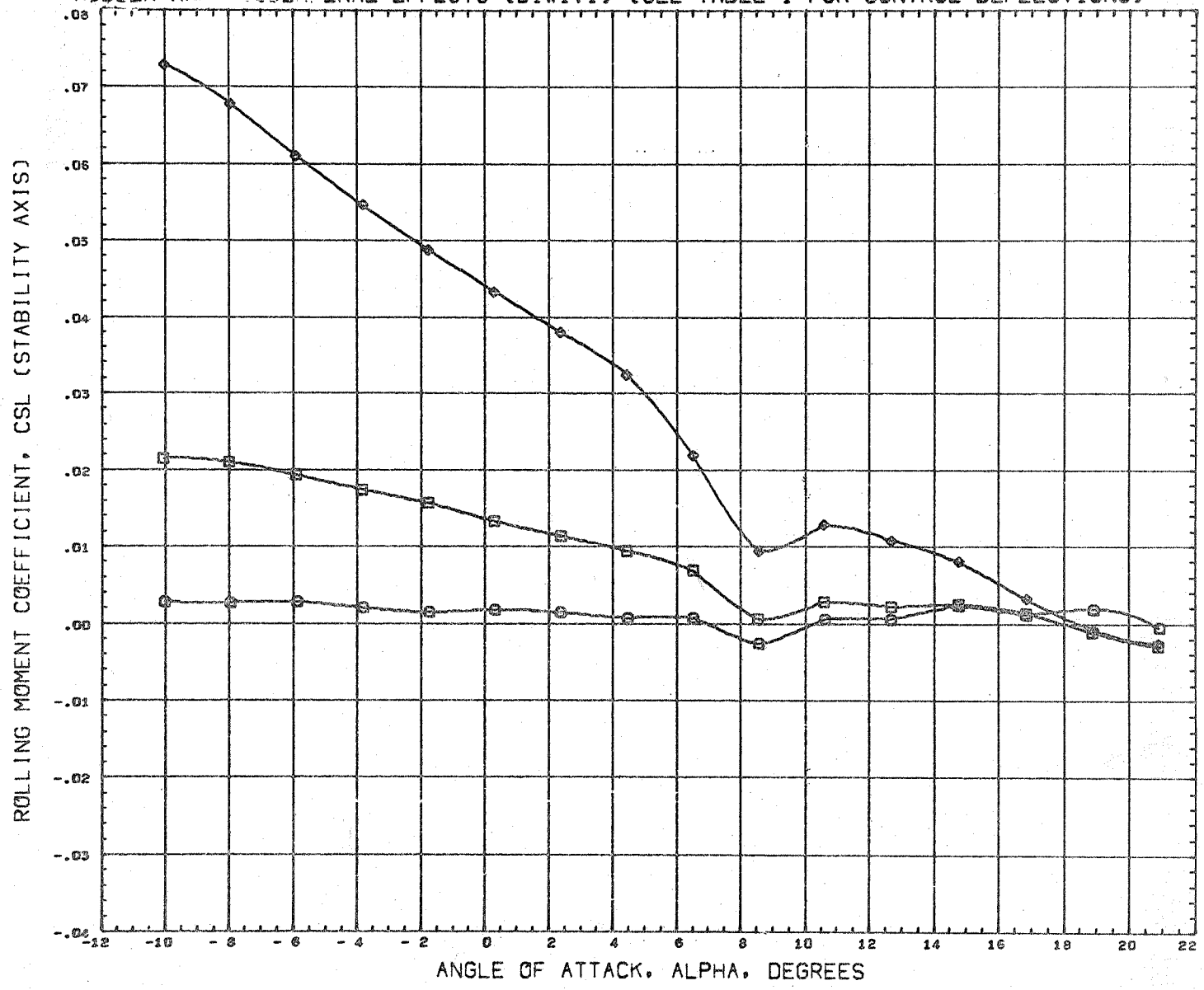
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

@(PSF) 100.000

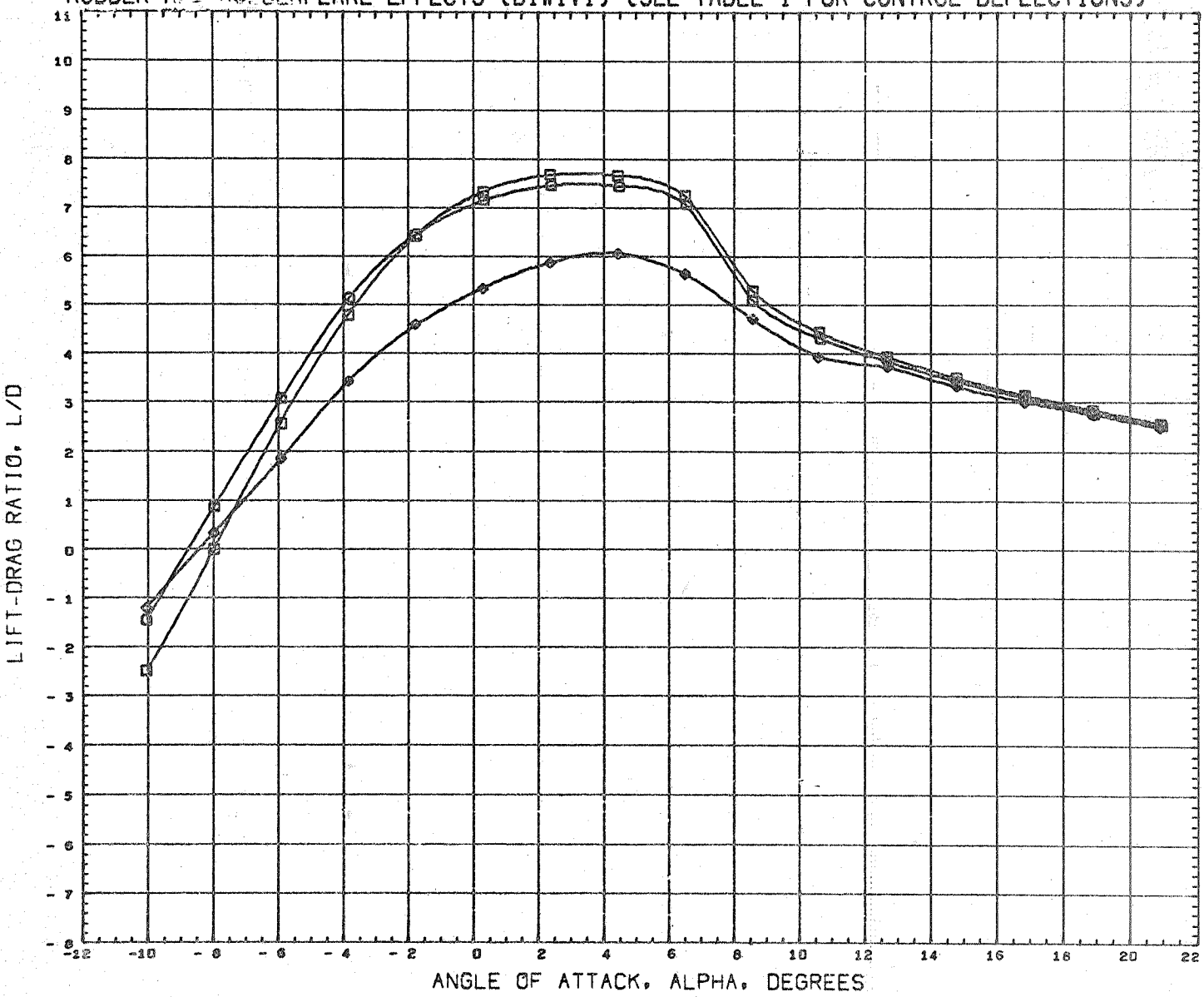
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q=100
(CCBD23)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1

Q(PSF) 100.000

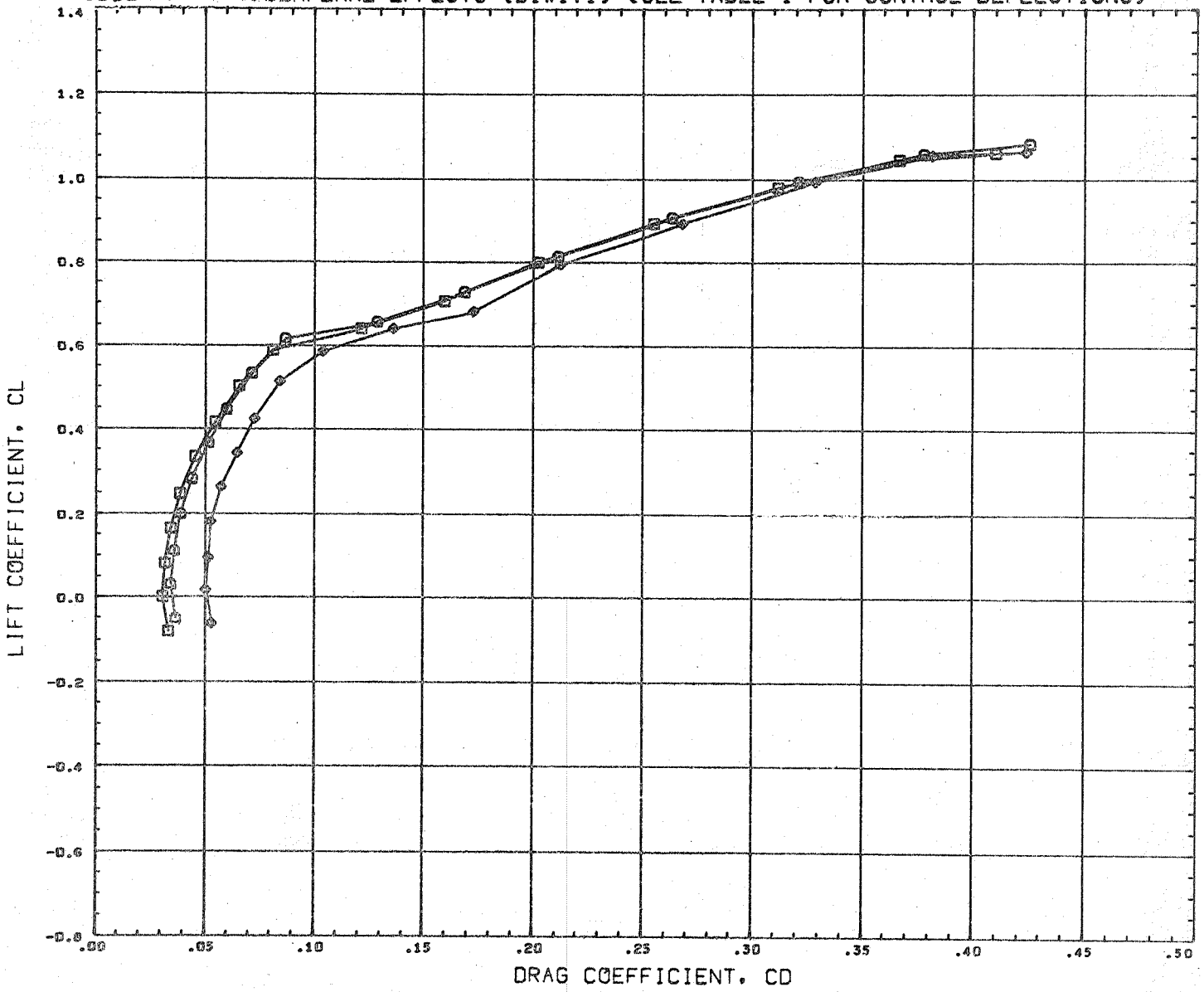
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1

Q(PSF) 100.000

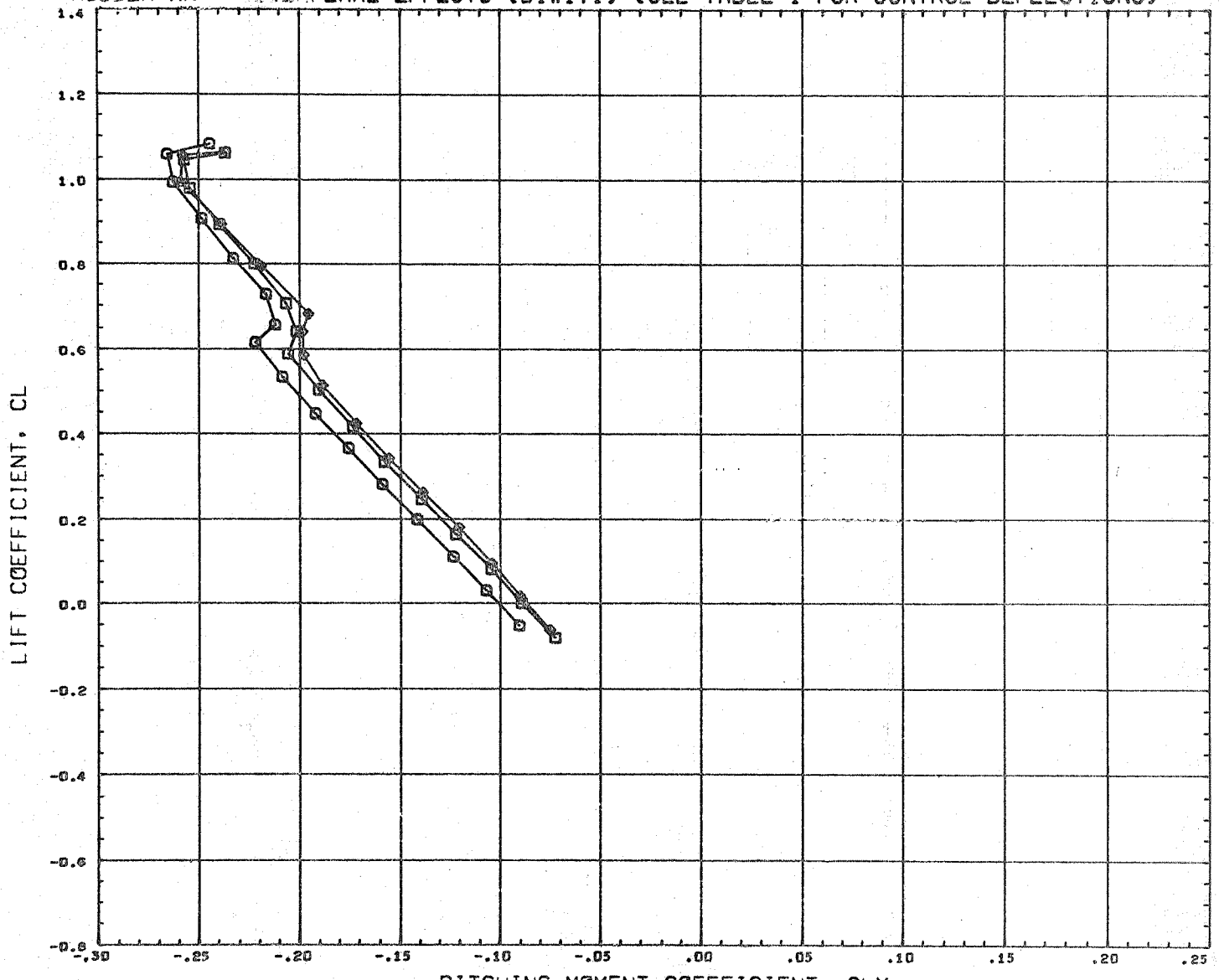
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

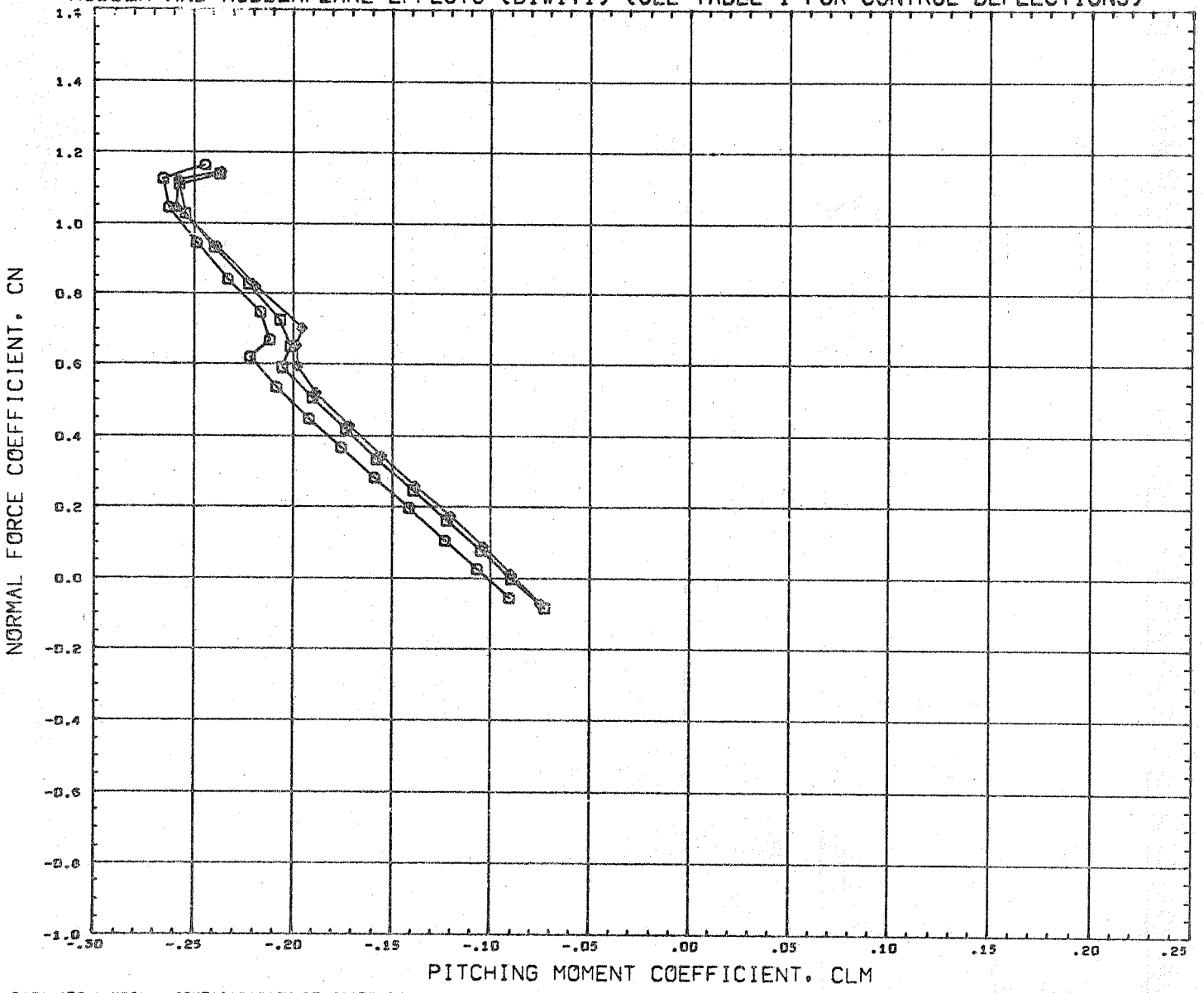
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ECBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q=100
(CCBD26)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(CCBD24)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

Q(PSF) 100.000

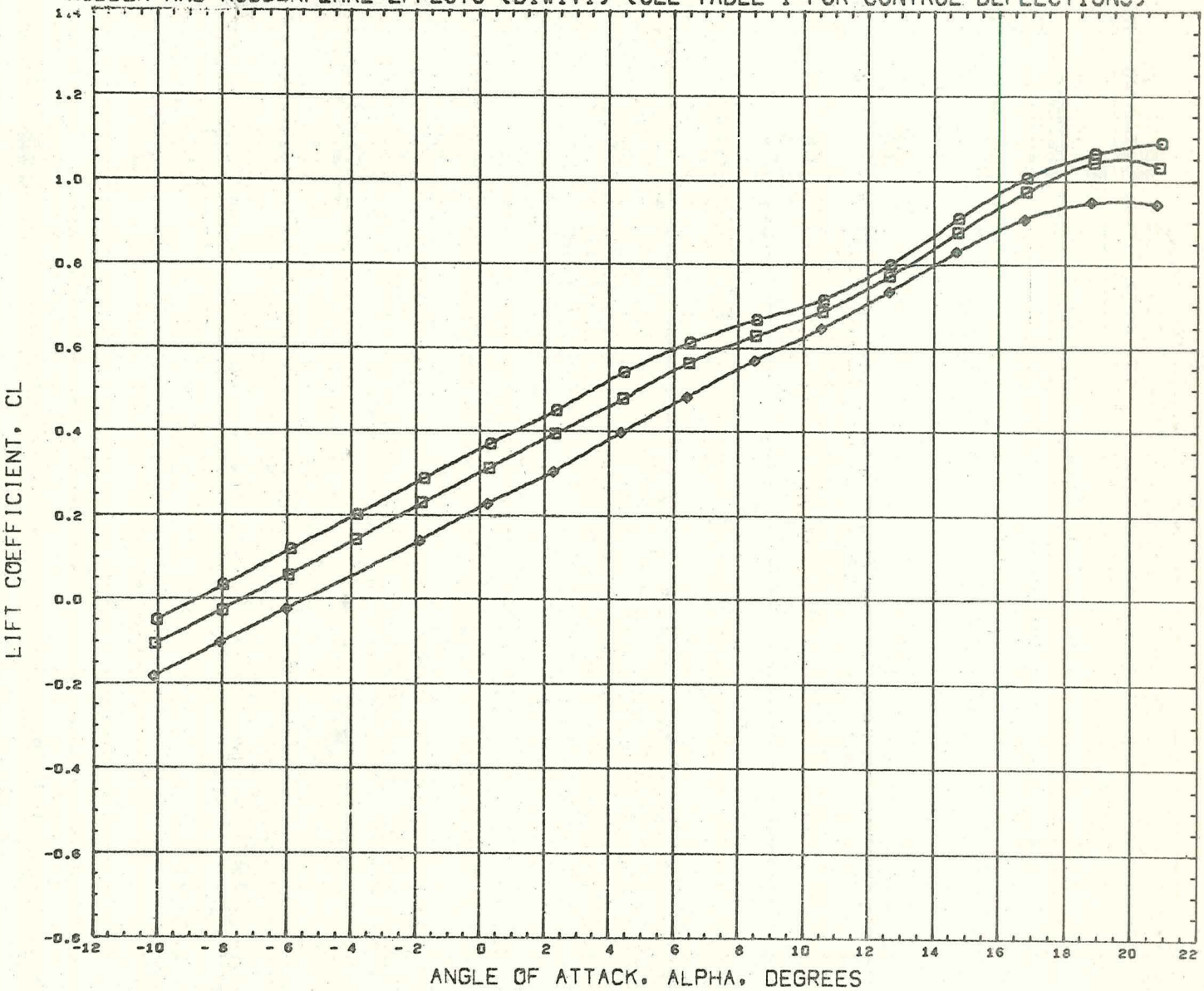
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

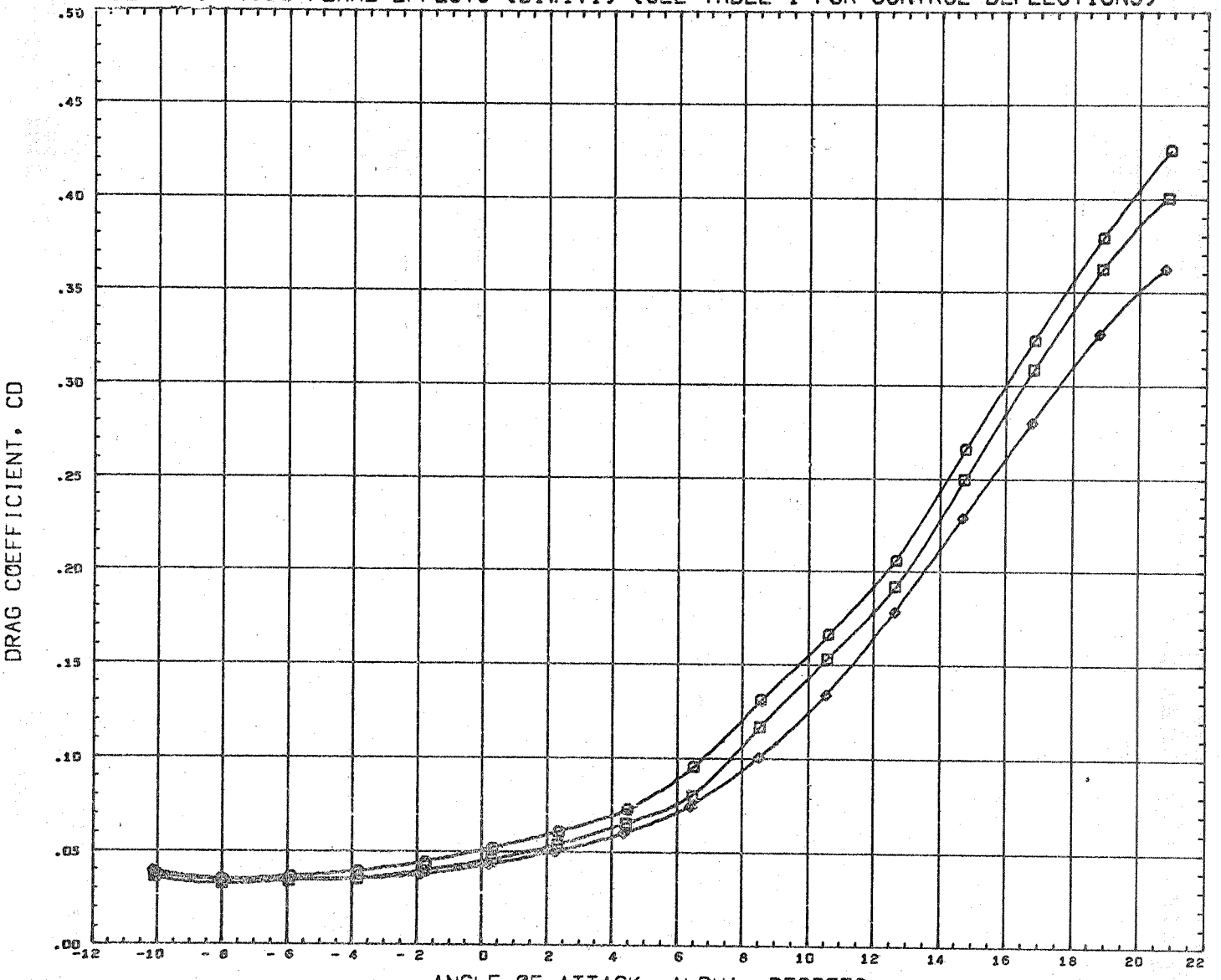
FARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40
(CCBD32)	□	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40

Q(PSF) 40.000

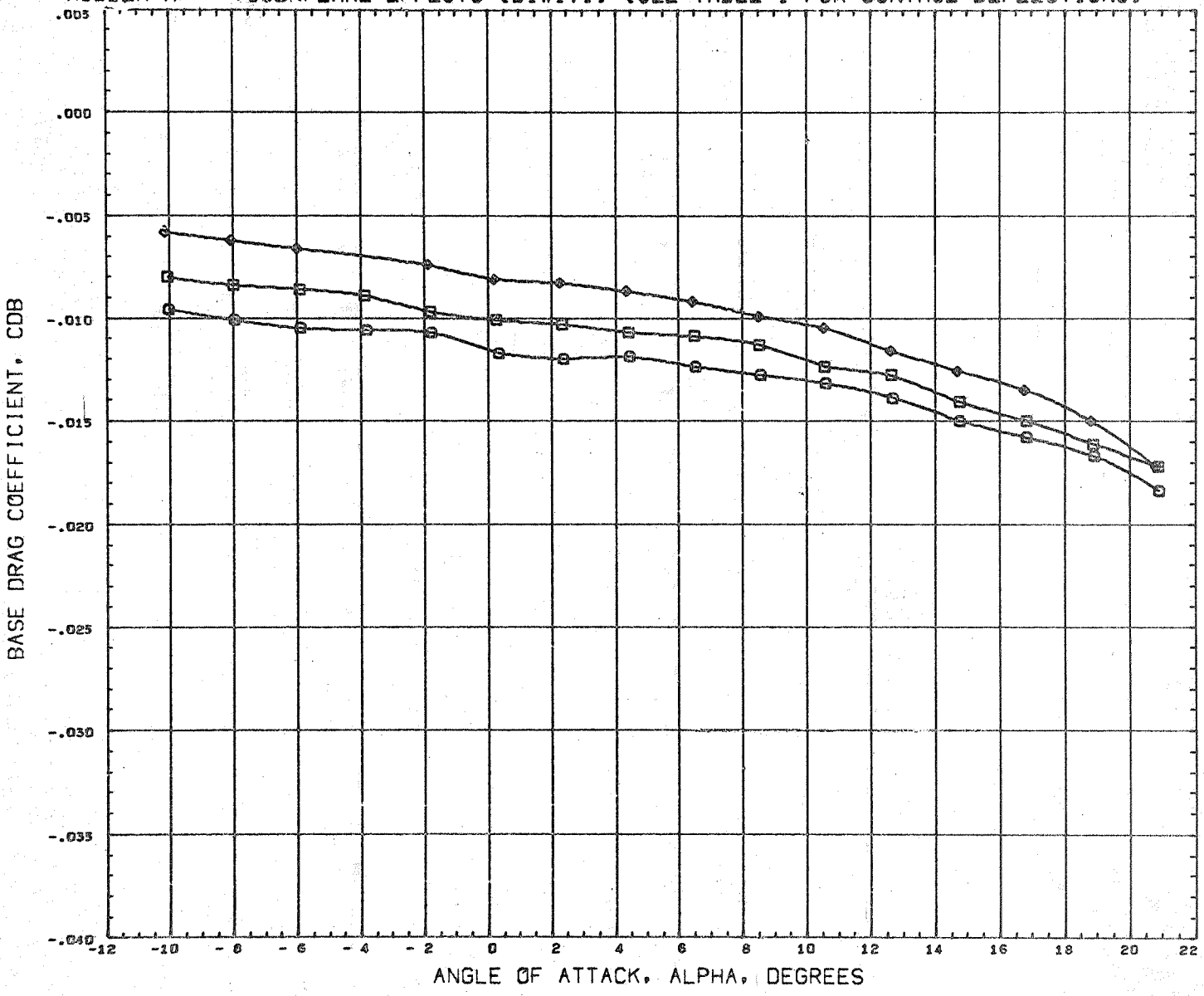
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

Q(PSF) 40.000

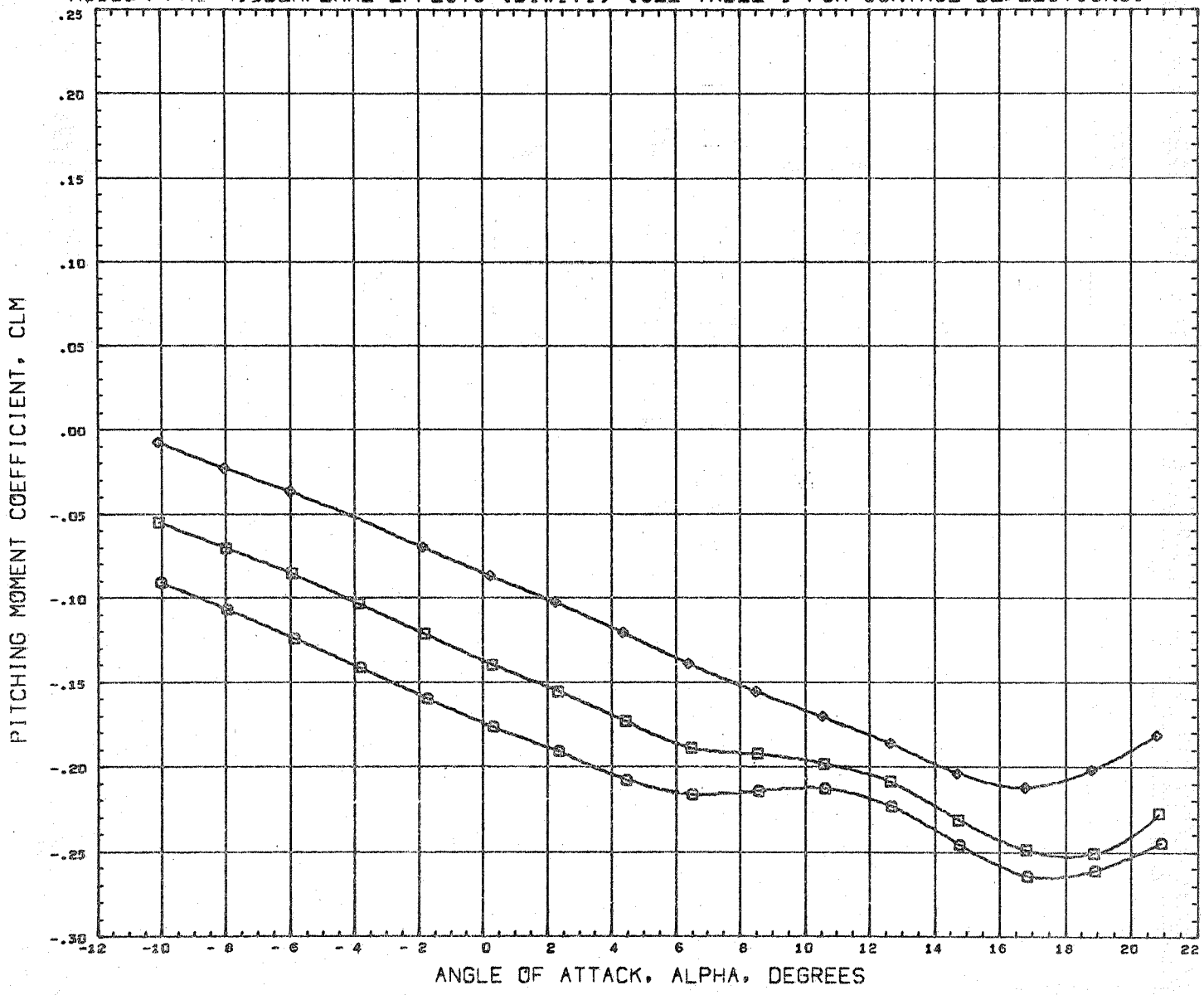
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



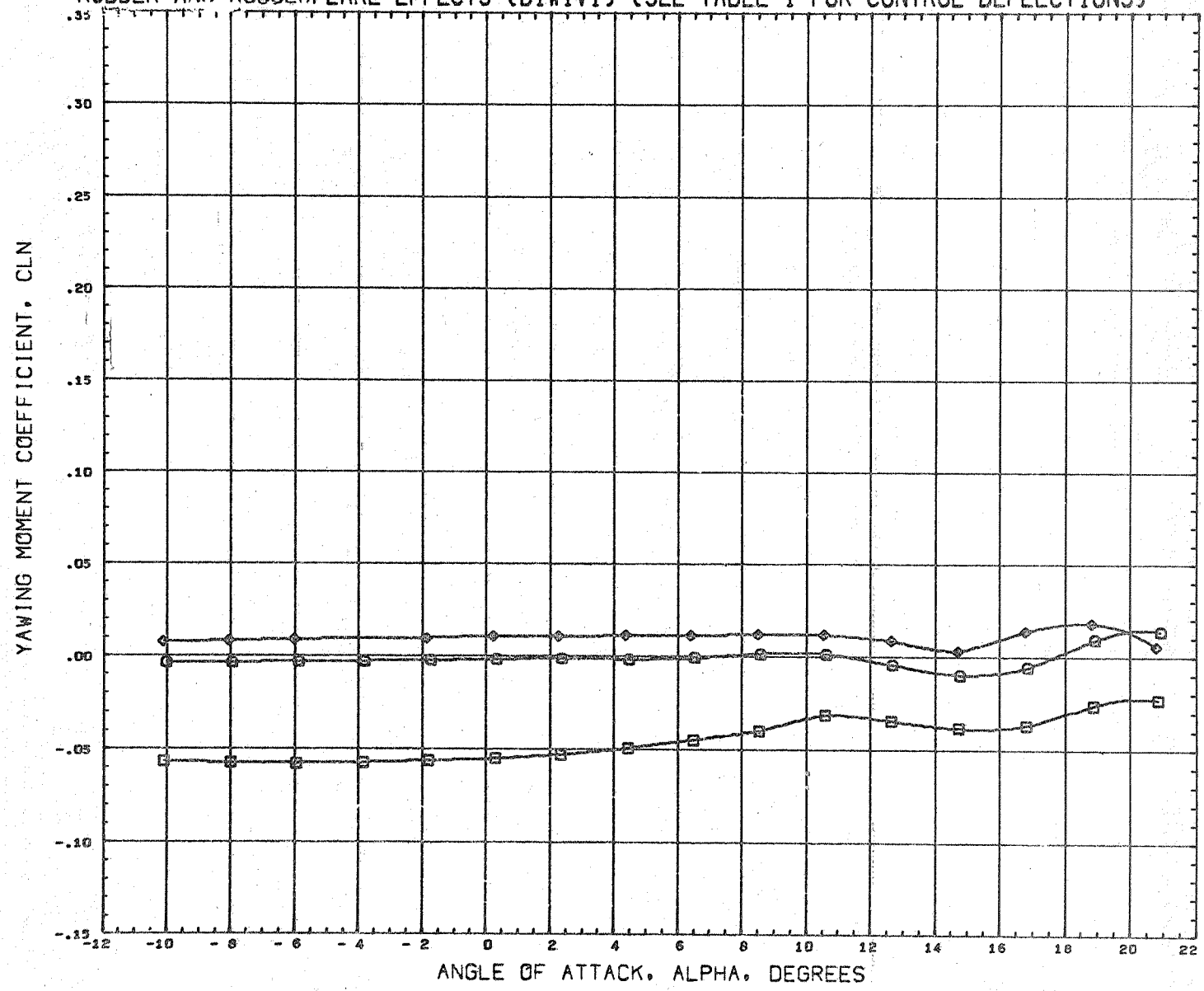
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD20)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40

PARAMETRIC VALUES			
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

@(PSF) 40.000

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

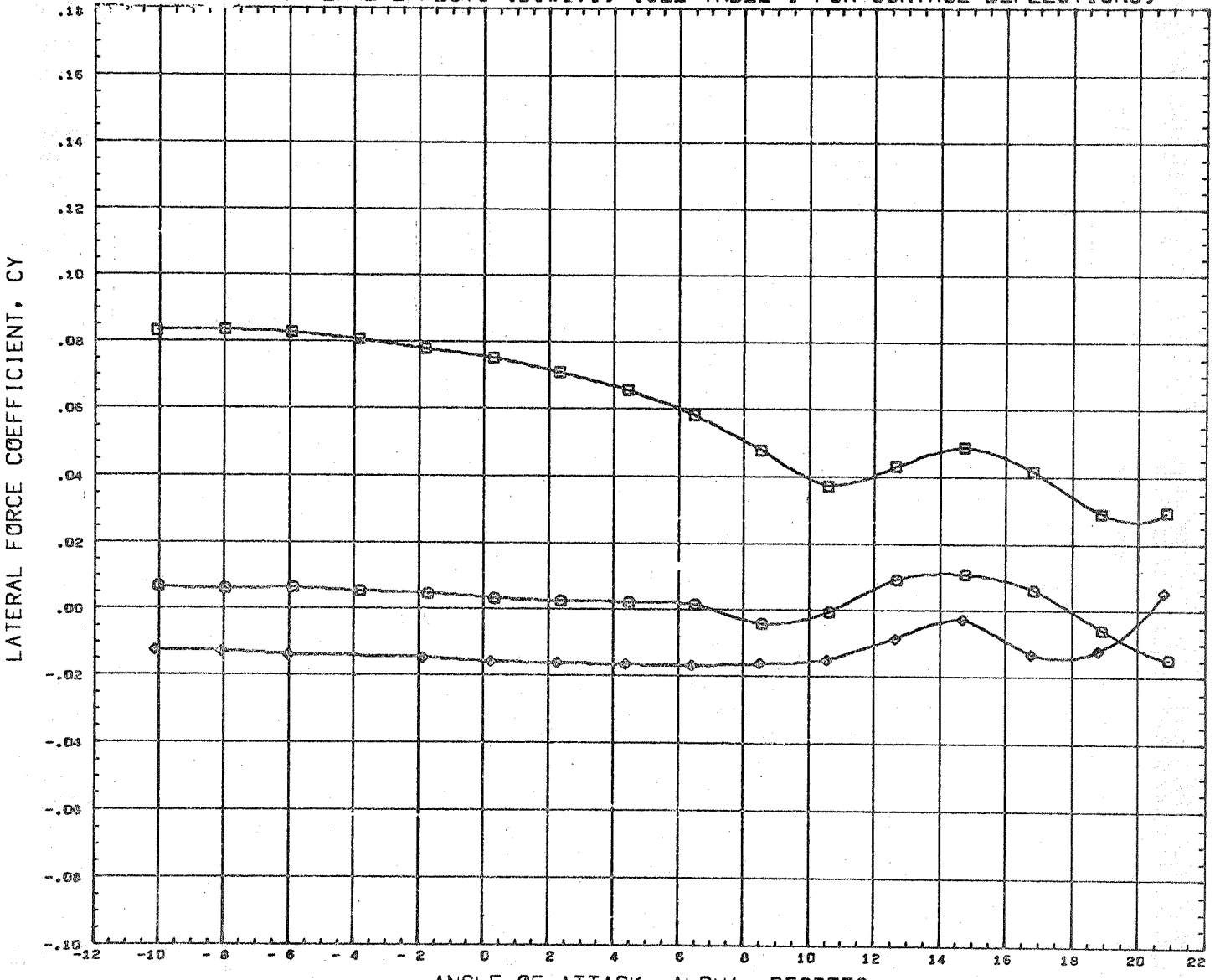
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

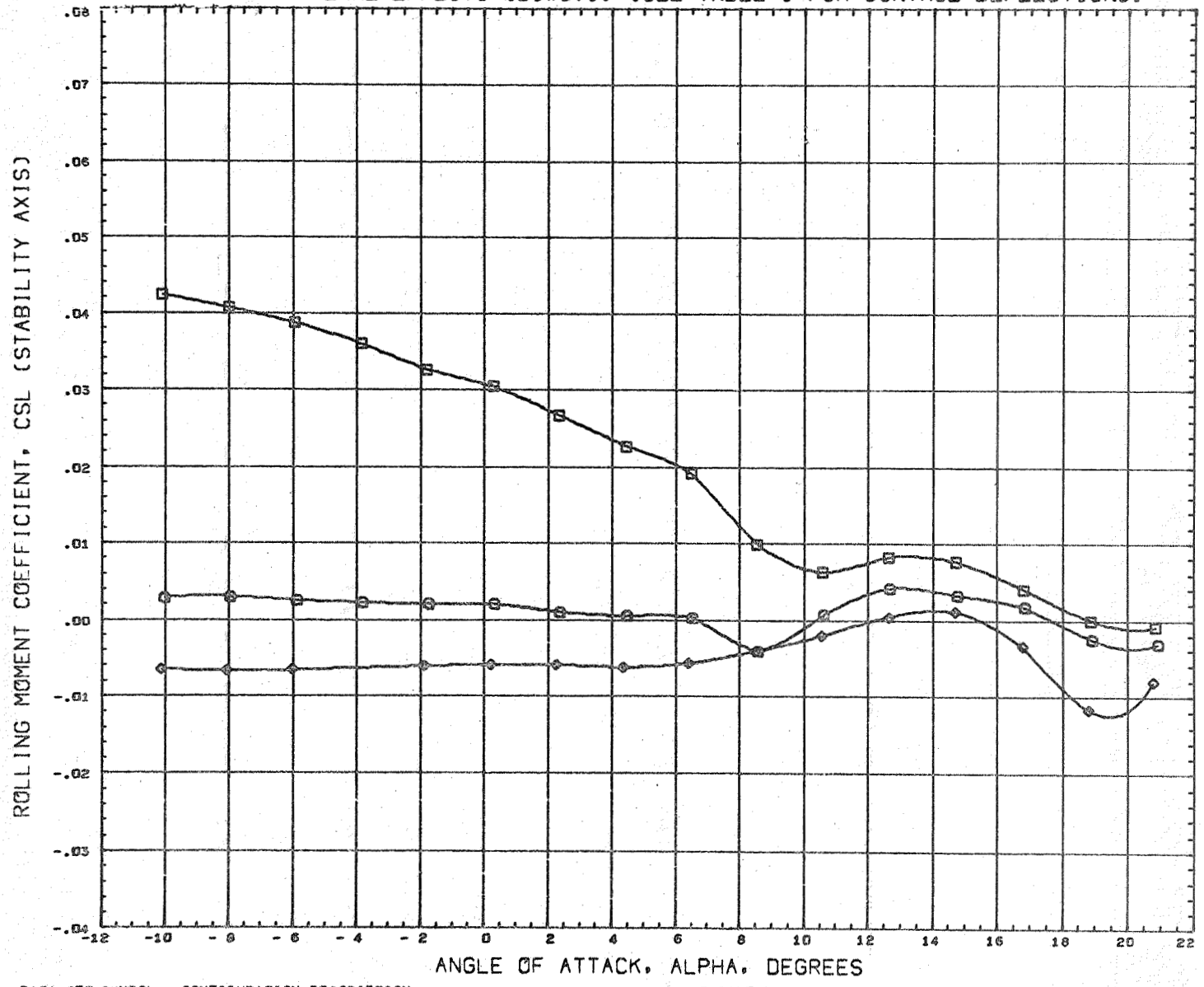
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

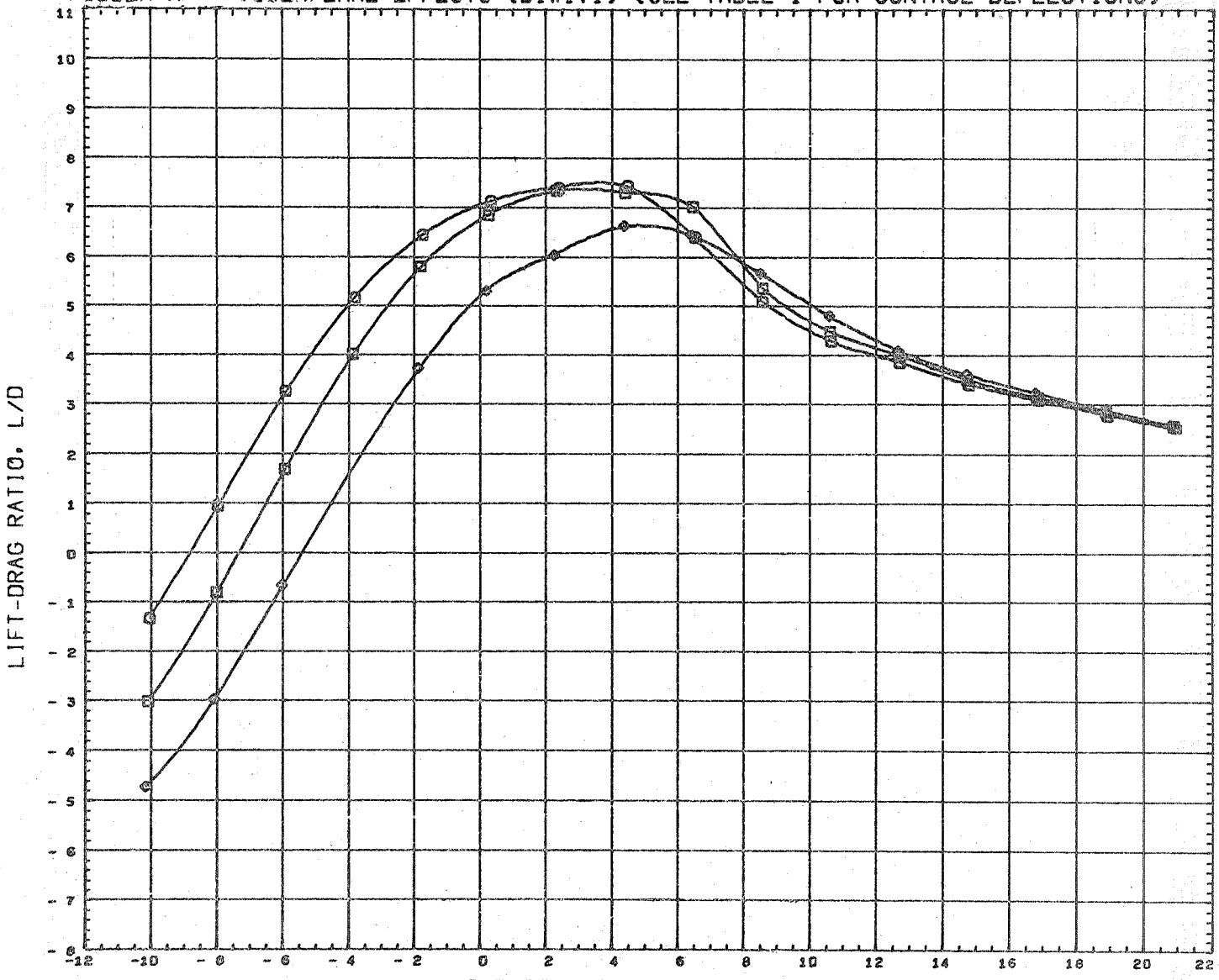
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 @= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 @= 40

Q(PSF) 40.000

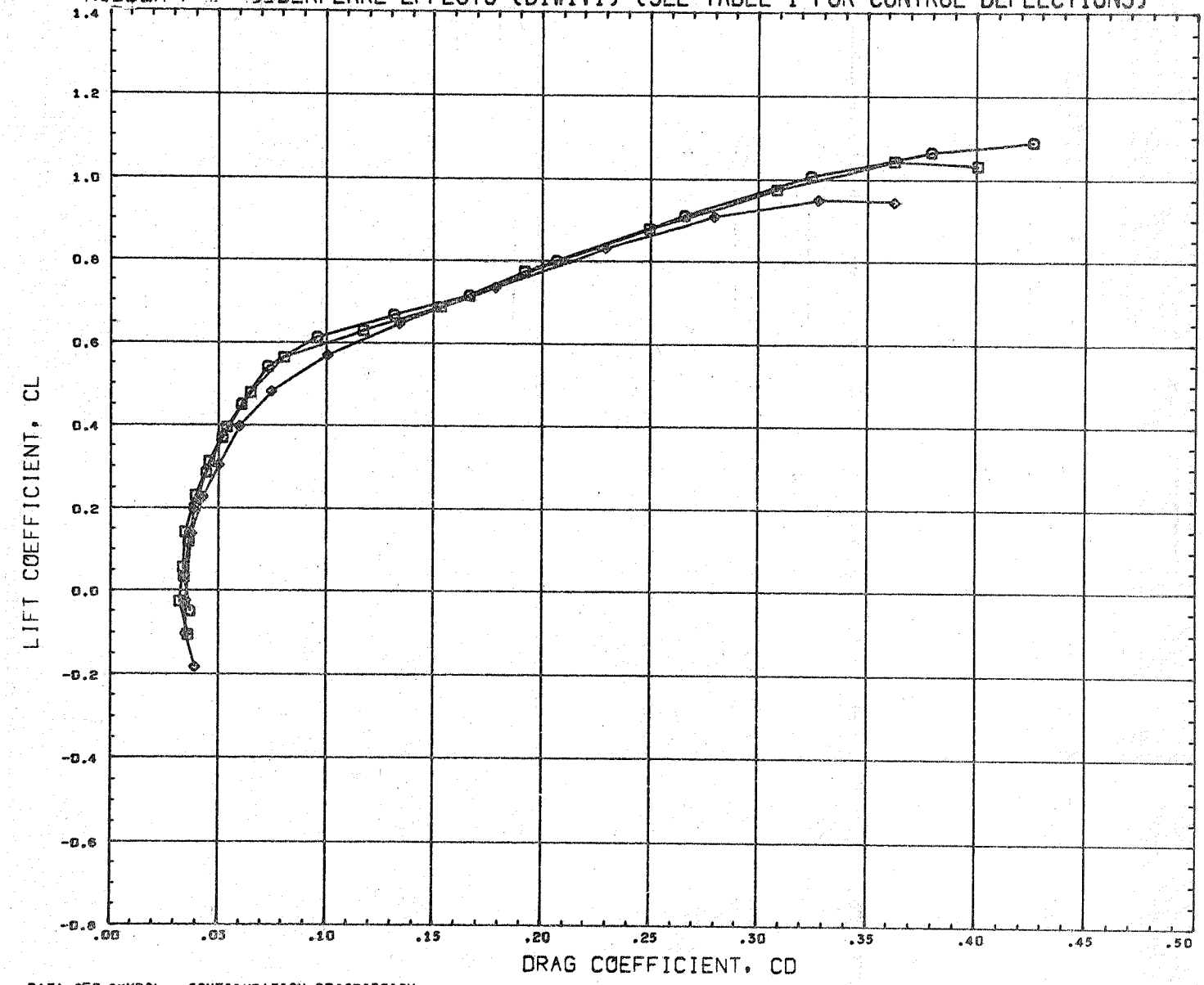
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

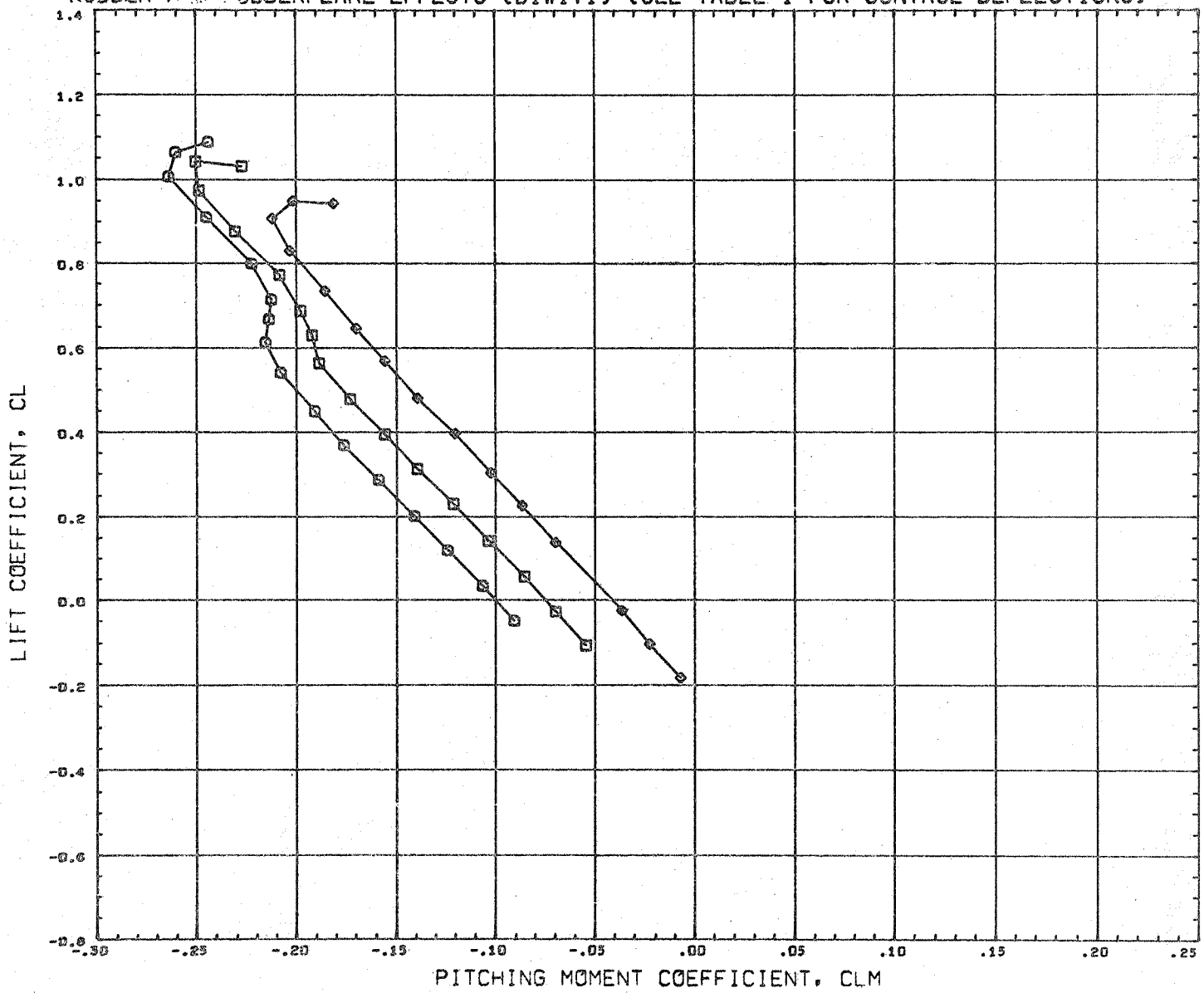
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40

Q(PSF) 40.000

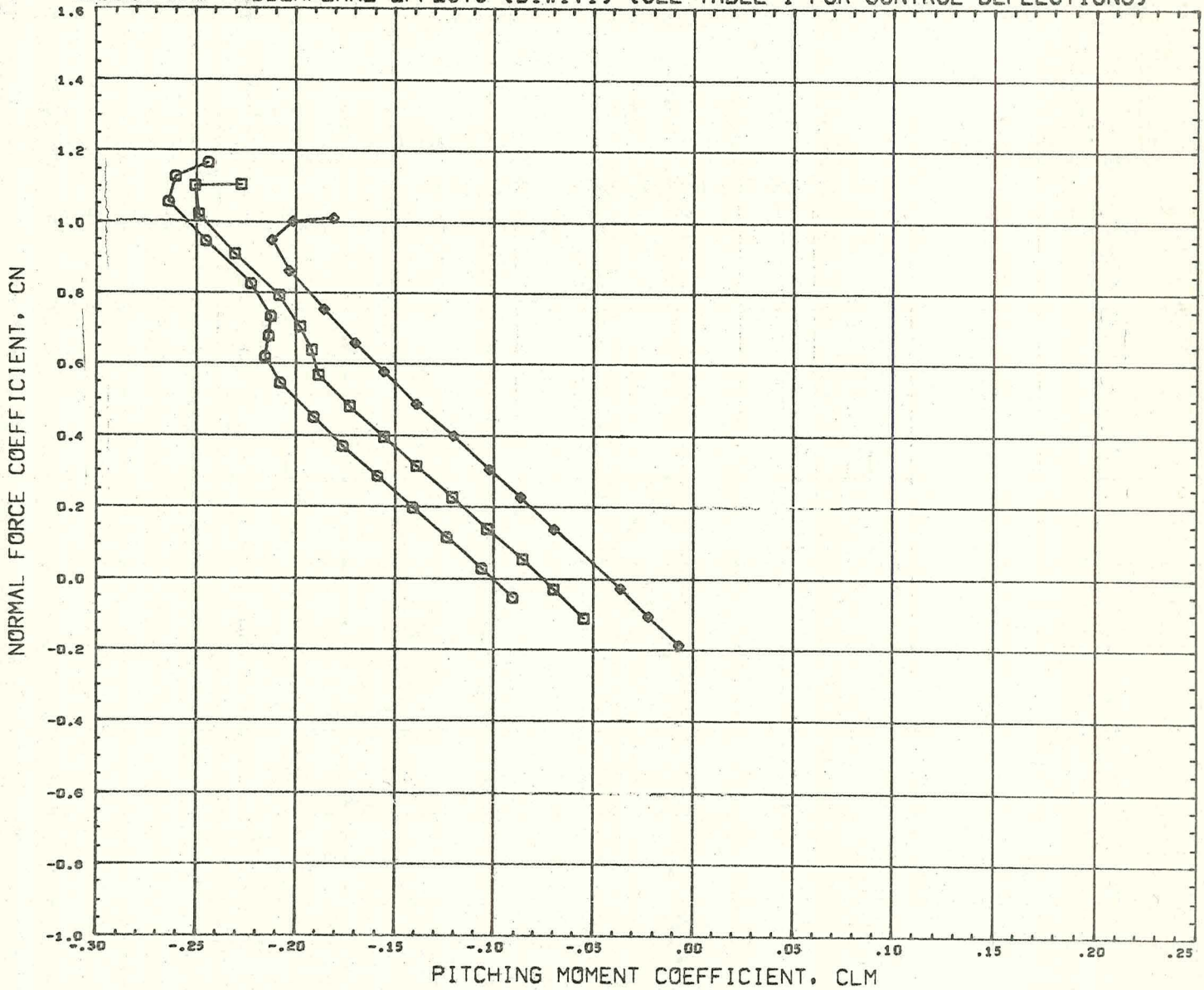
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRF	4.2210	FT.
YMRF	0.0000	FT.
ZMRF	0.6670	FT.
SCALE	4.0000	PER CE

RUDDER AND RUDDERFLARE EFFECTS (B1W1V1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40
(CCBD32)	□	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1
(DCBD28)	◇	MCAIR LSWT 235 MDC STS ORB(D2) B1W1V1 Q= 40

Q(PSF) 40.000

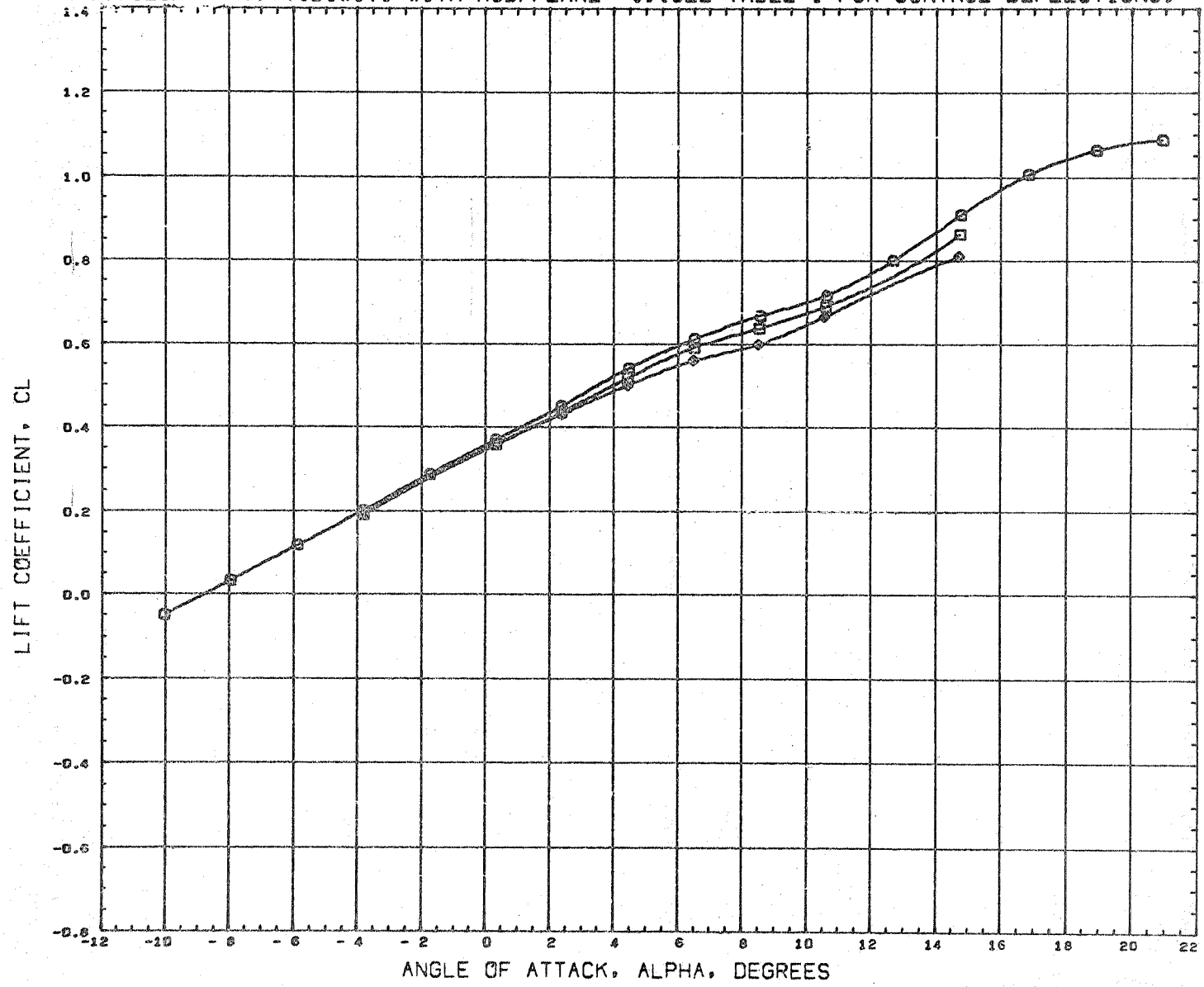
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



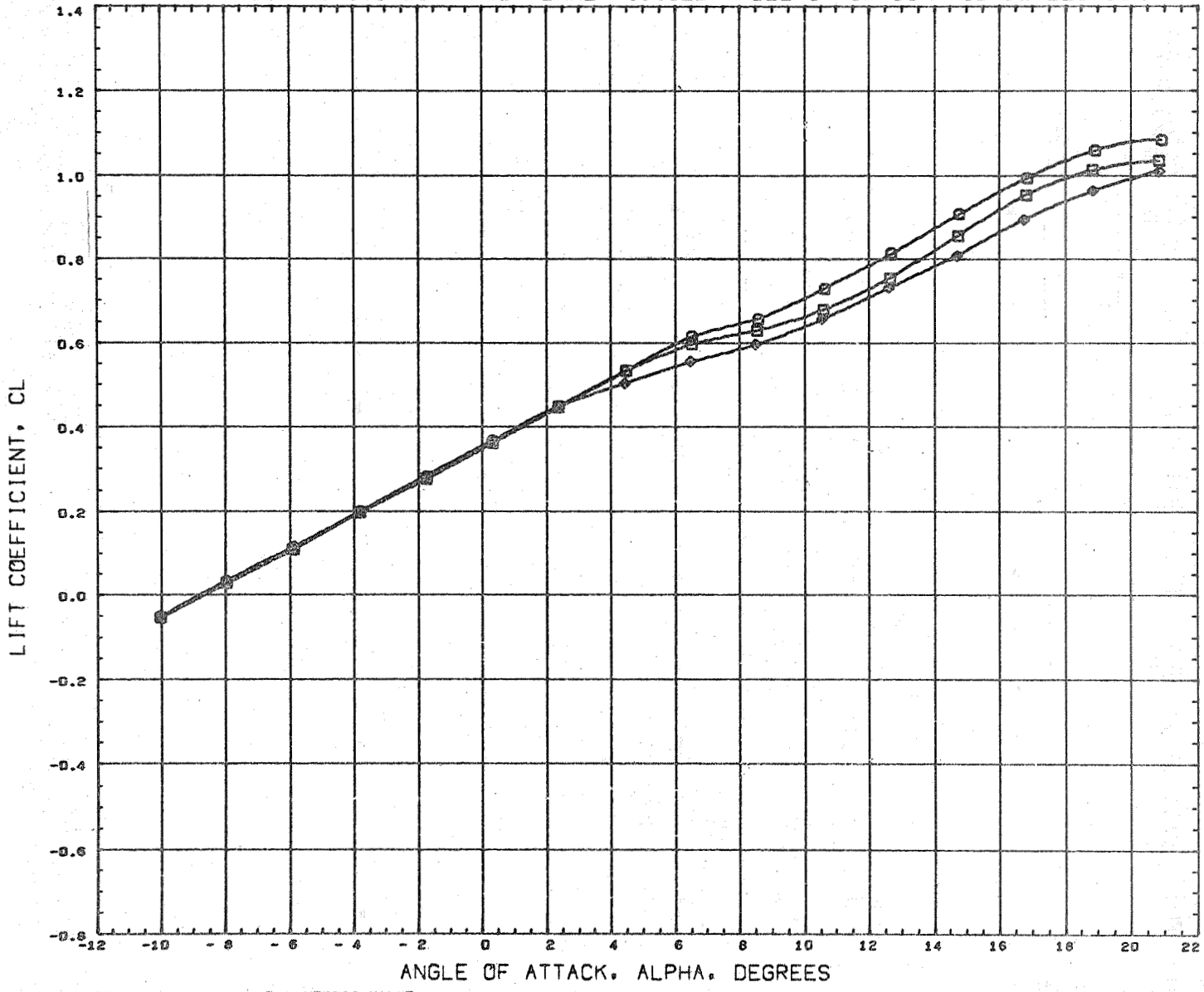
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	5.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V#E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

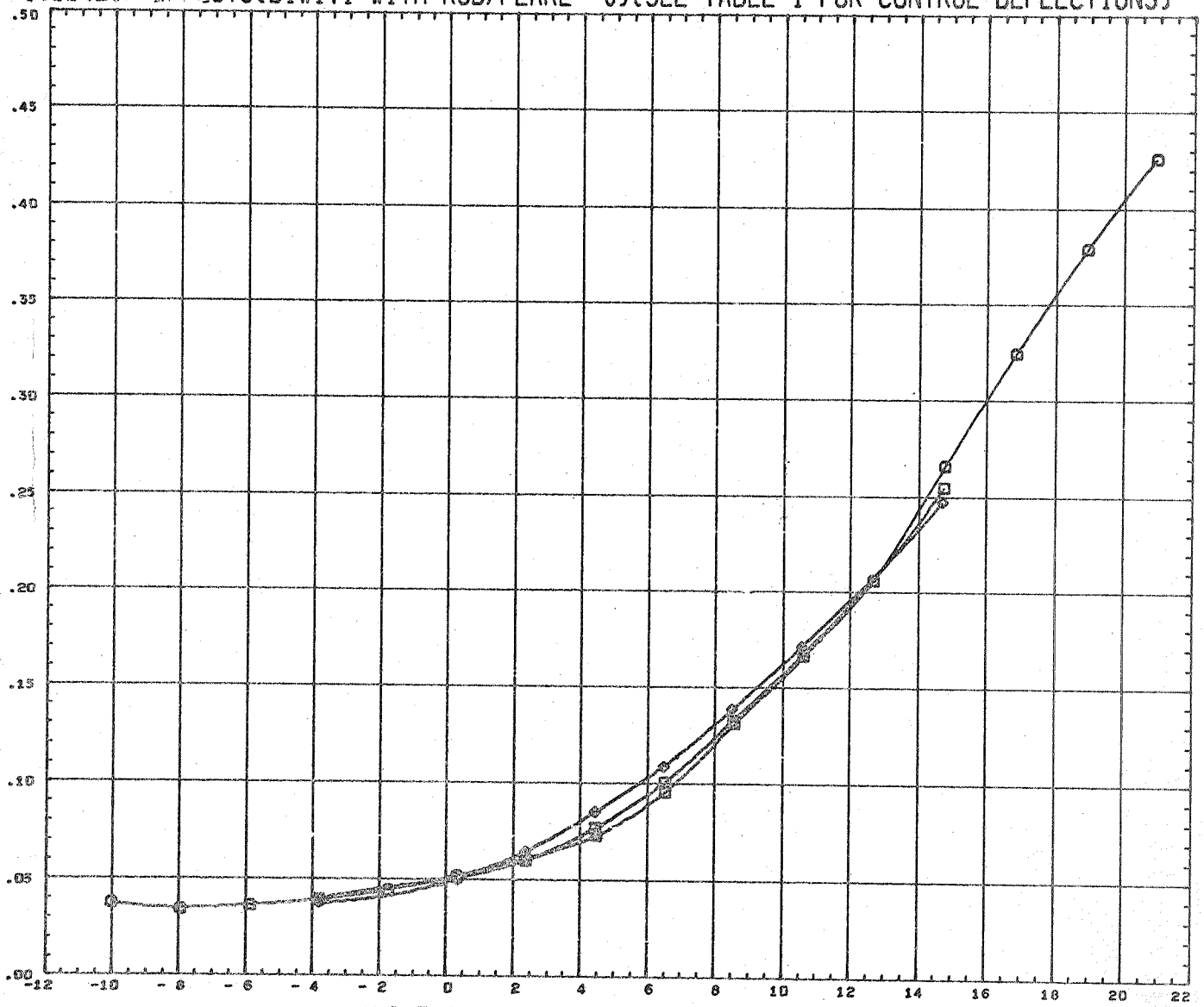


SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V#E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



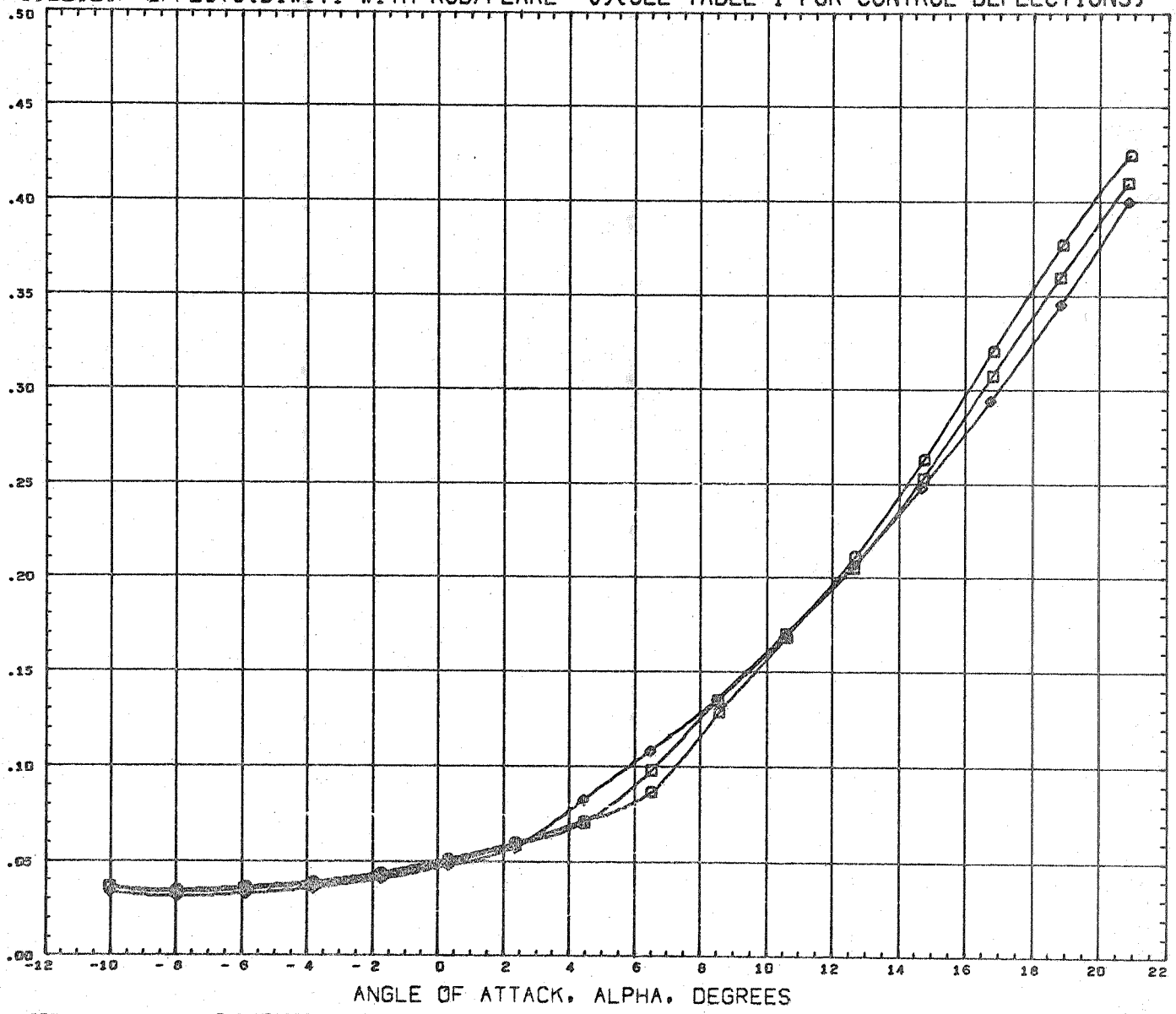
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



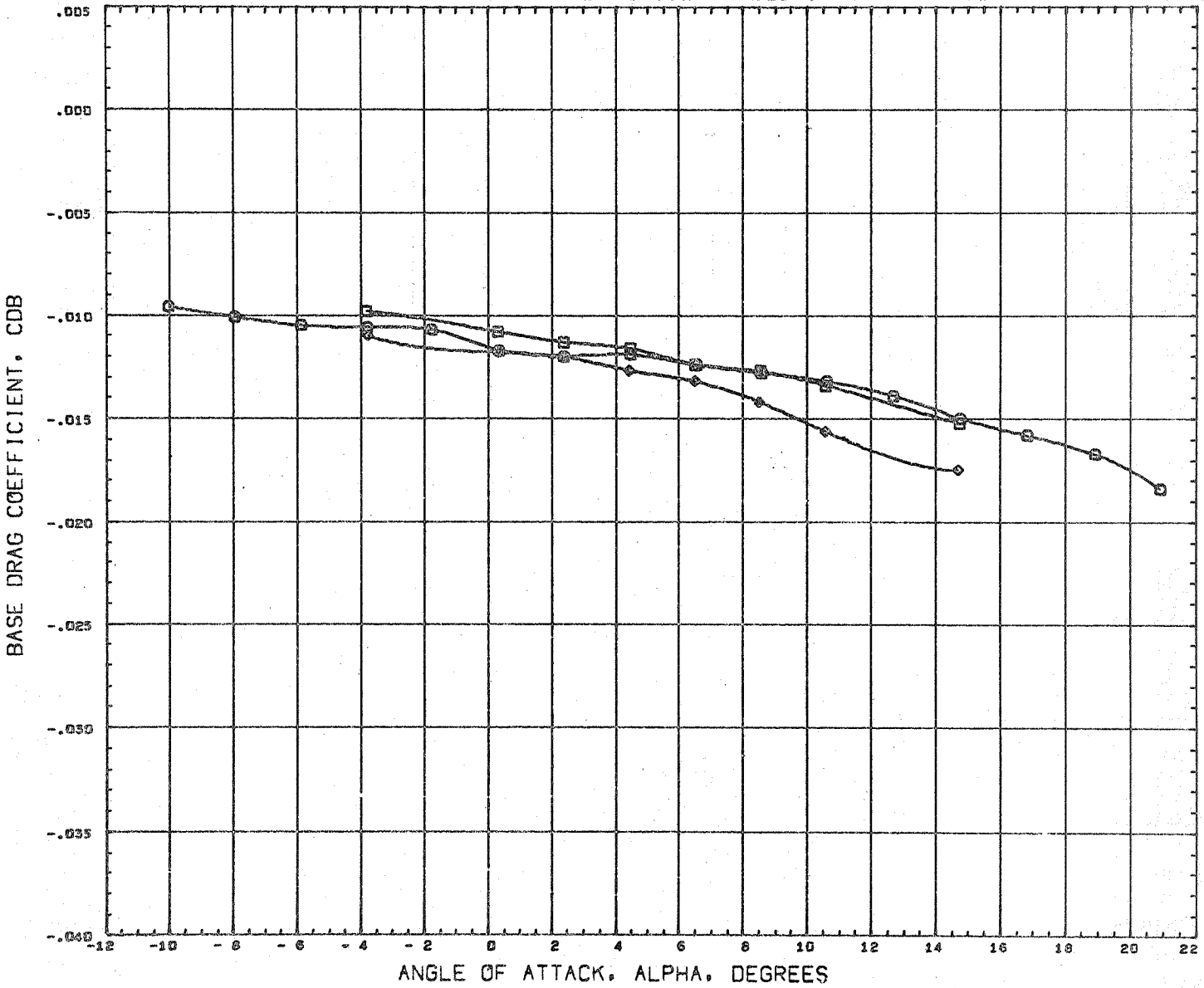
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



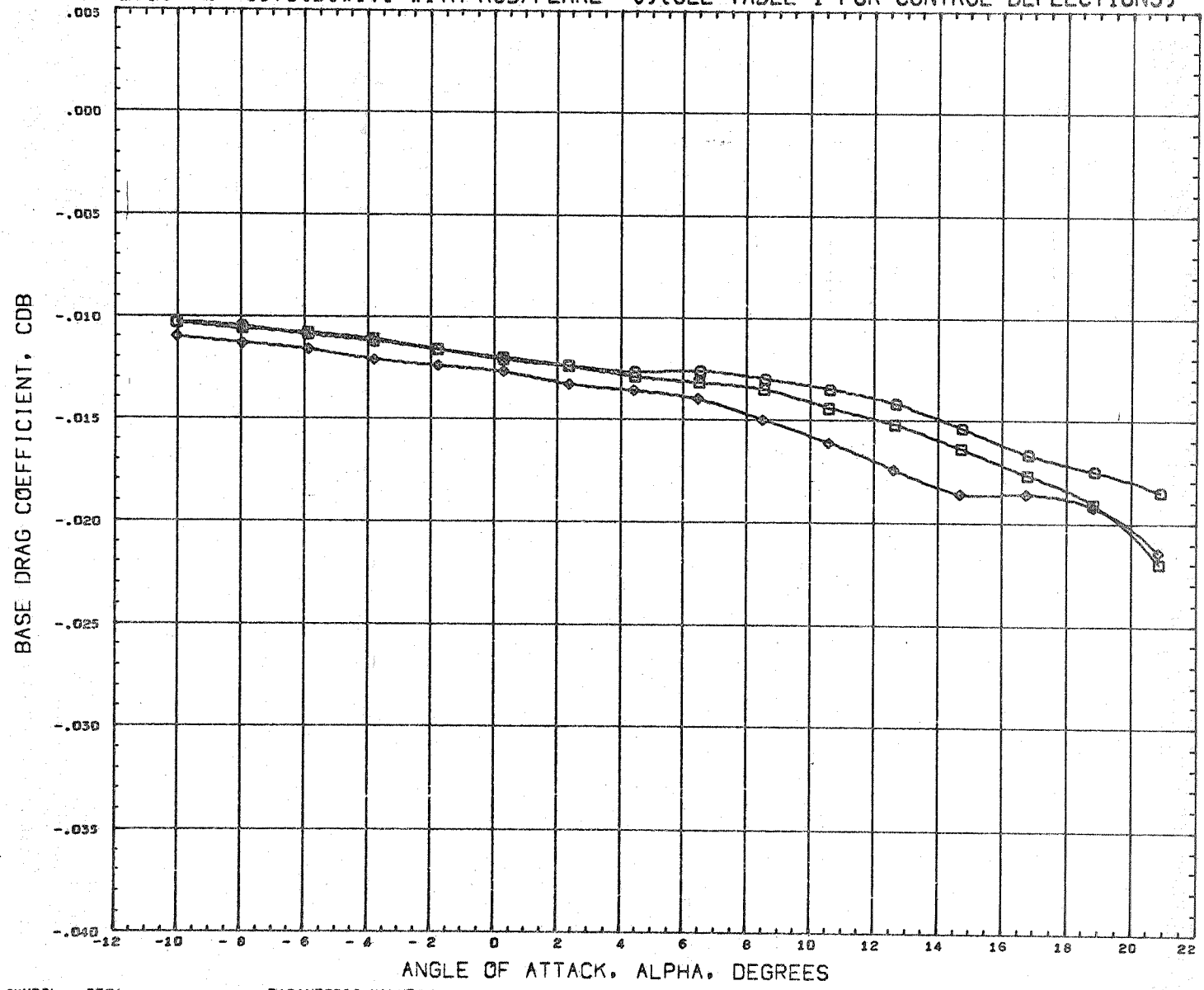
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



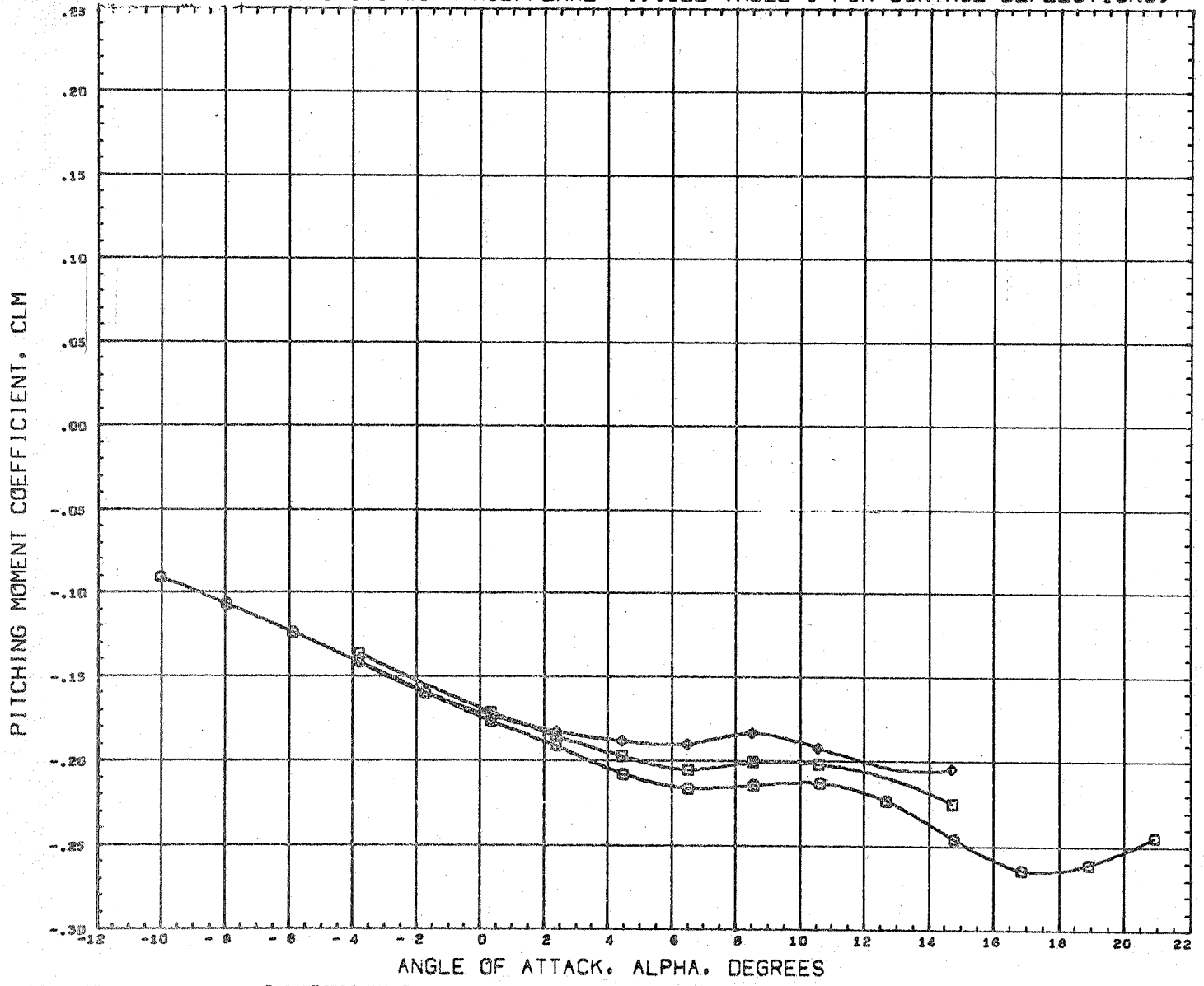
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



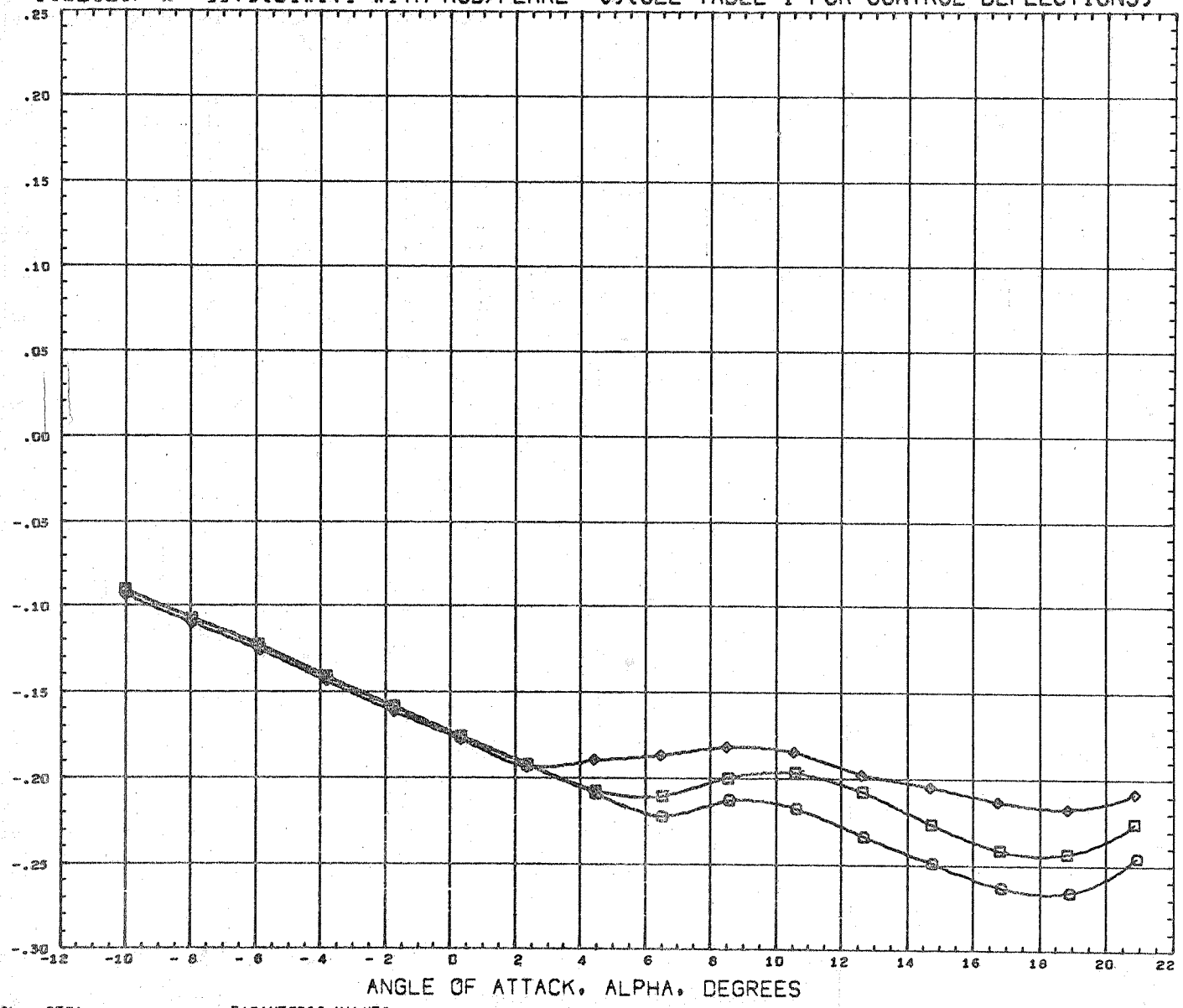
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



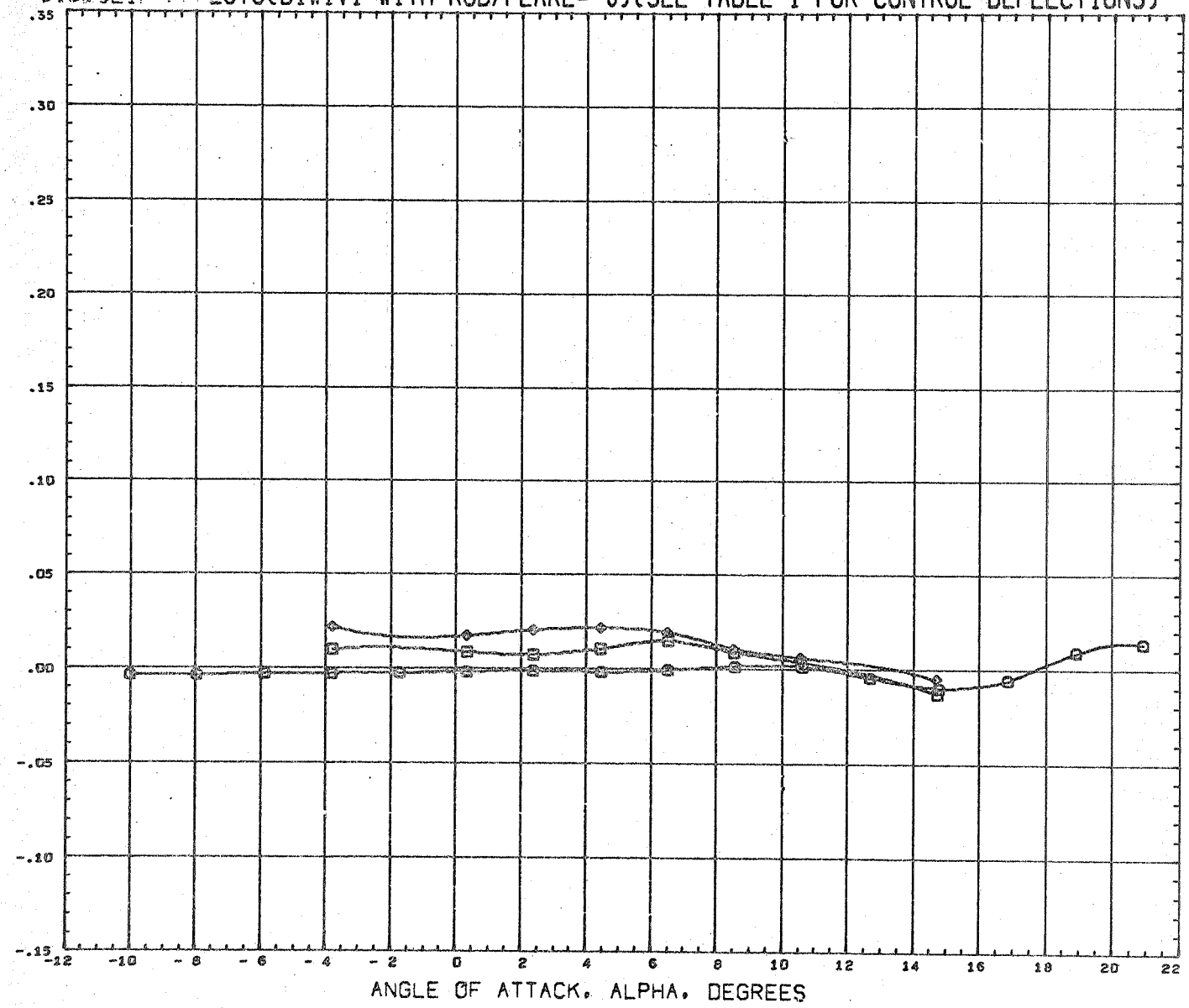
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



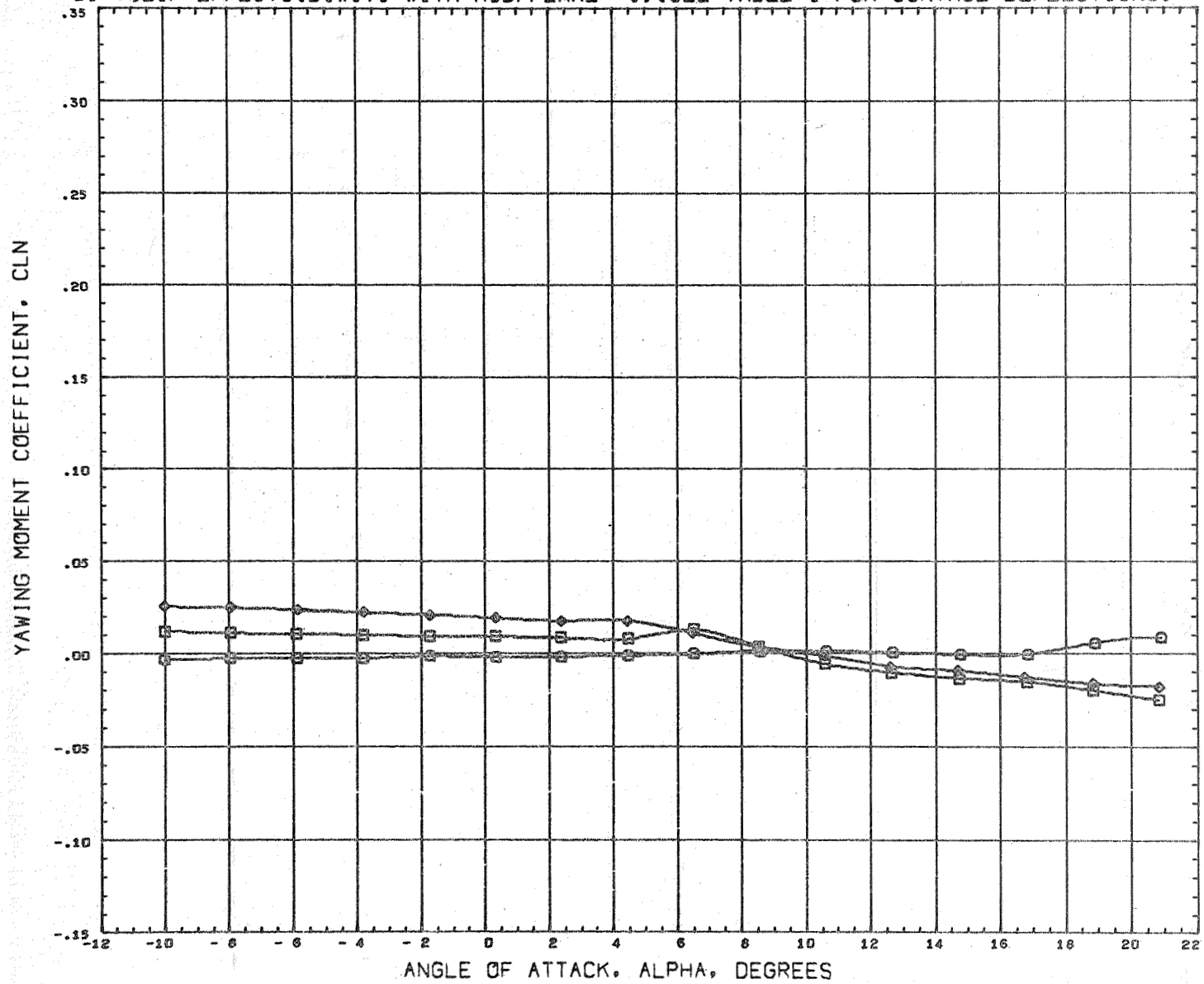
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

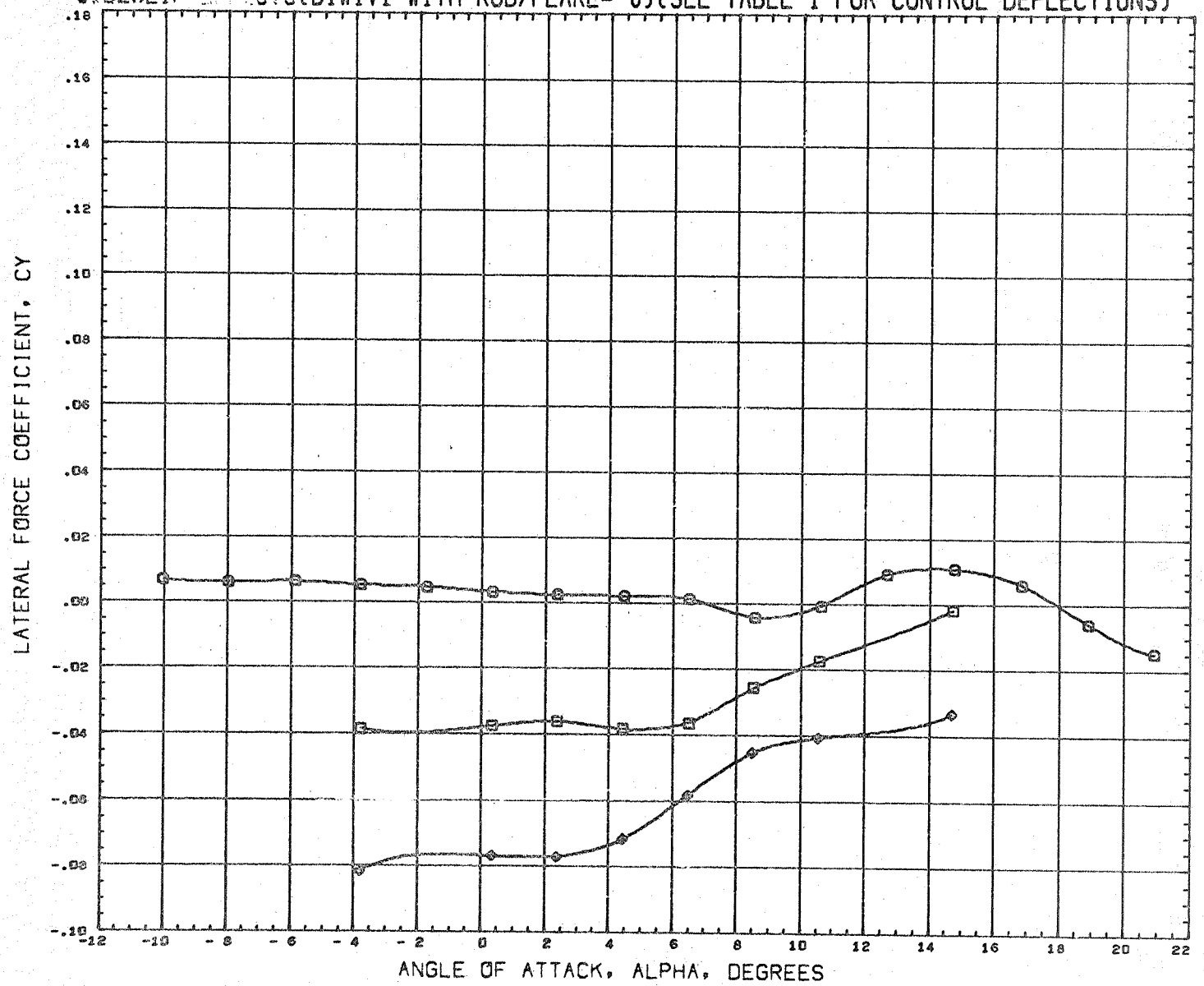


SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



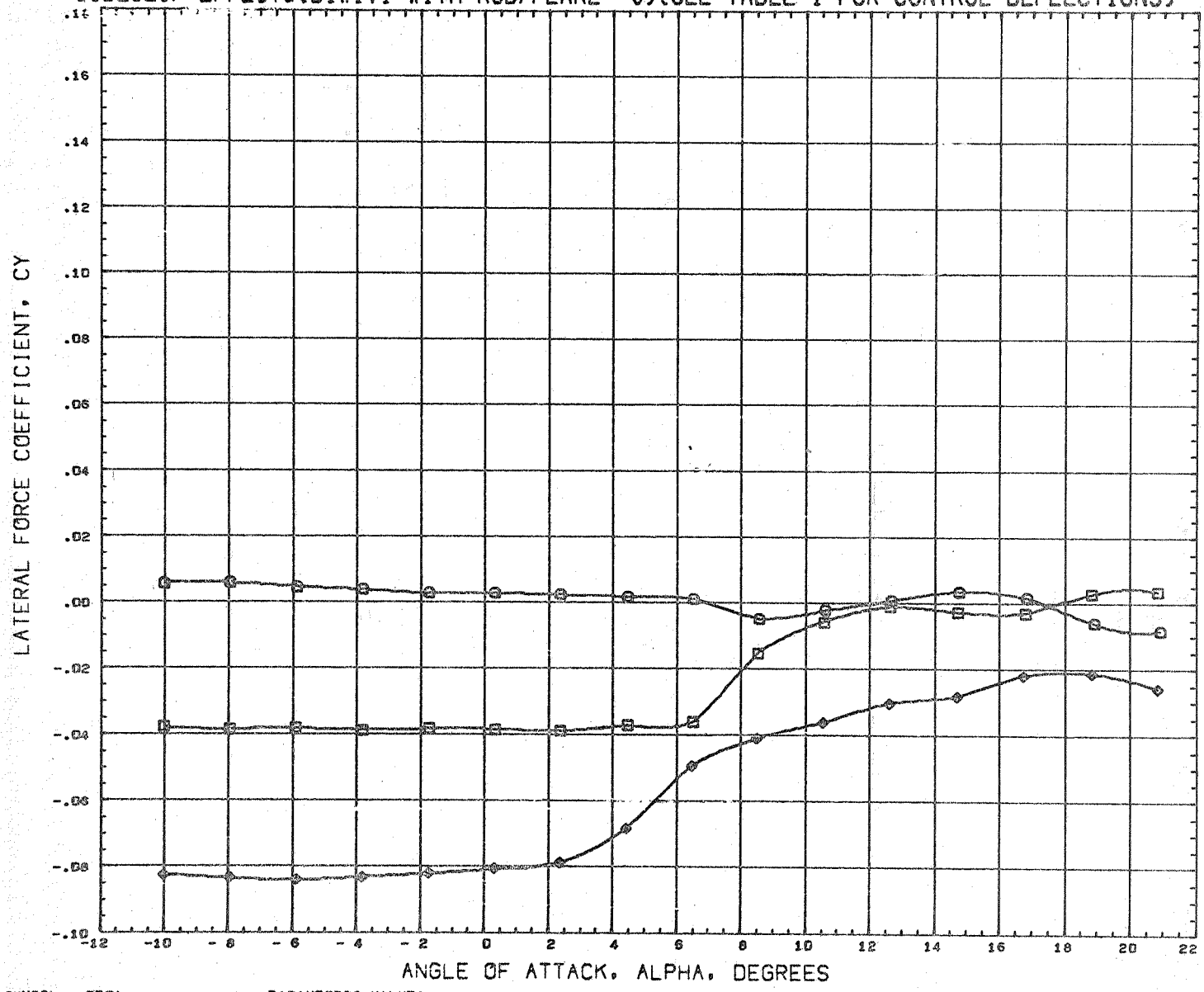
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



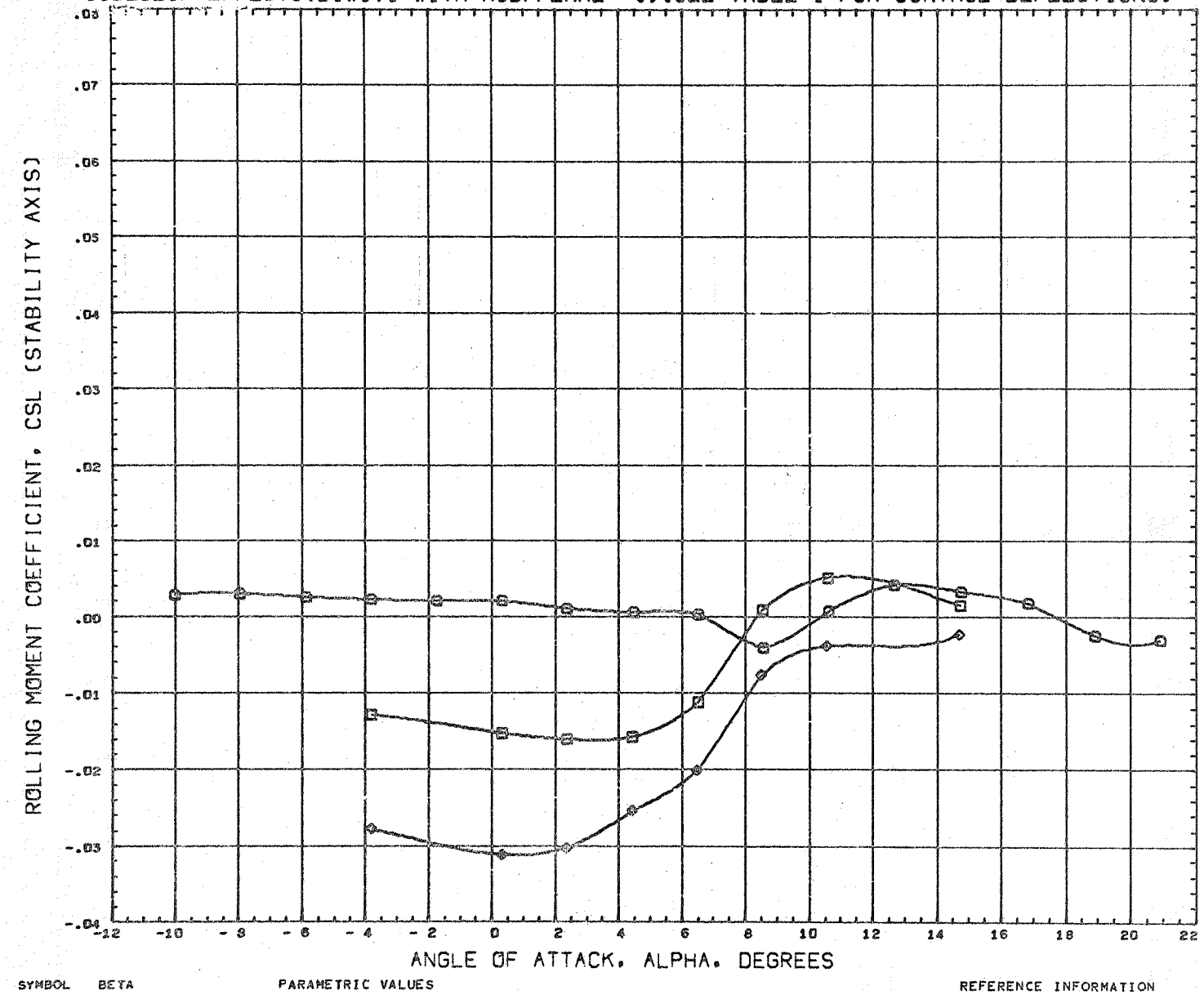
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

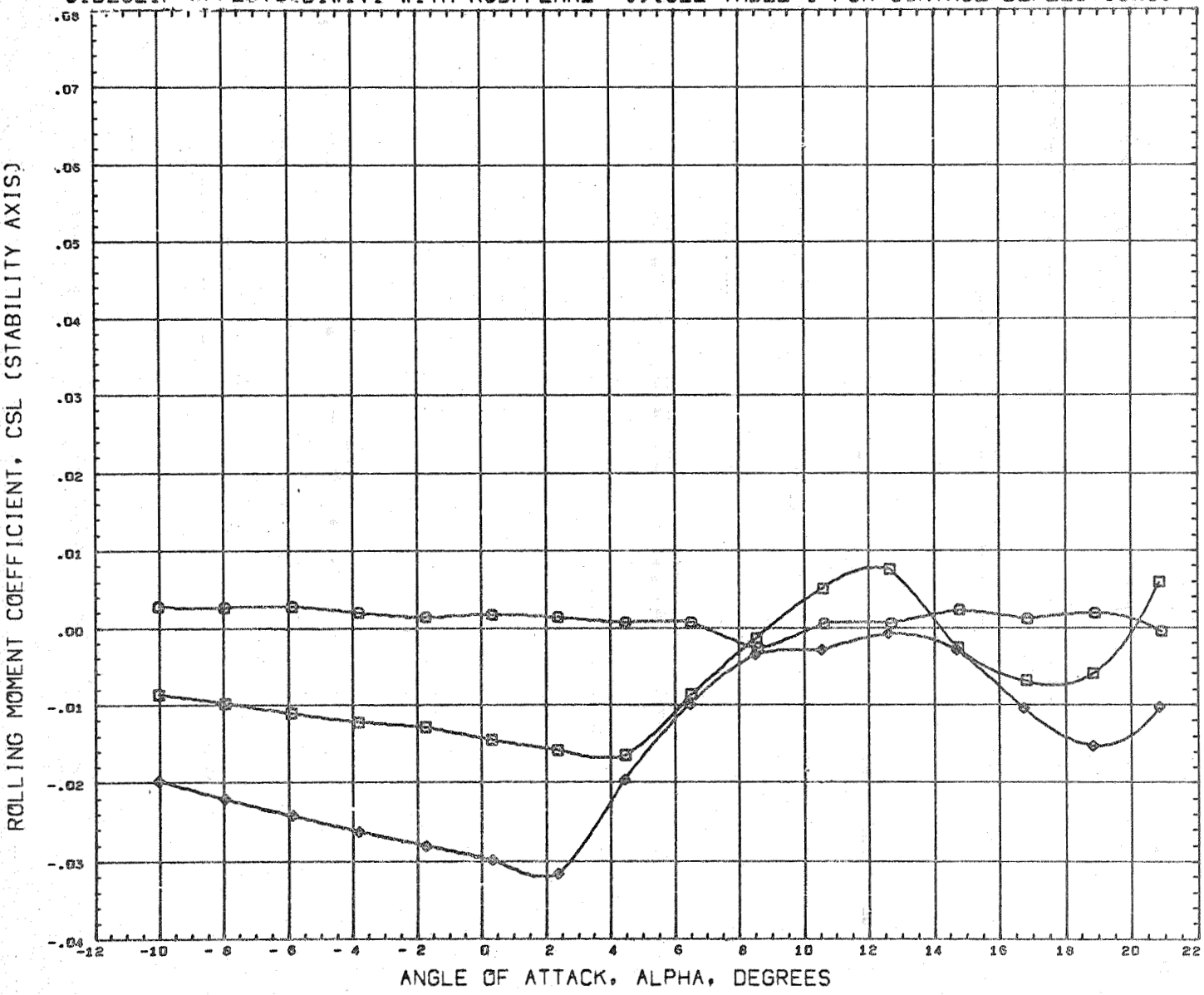


SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP FFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



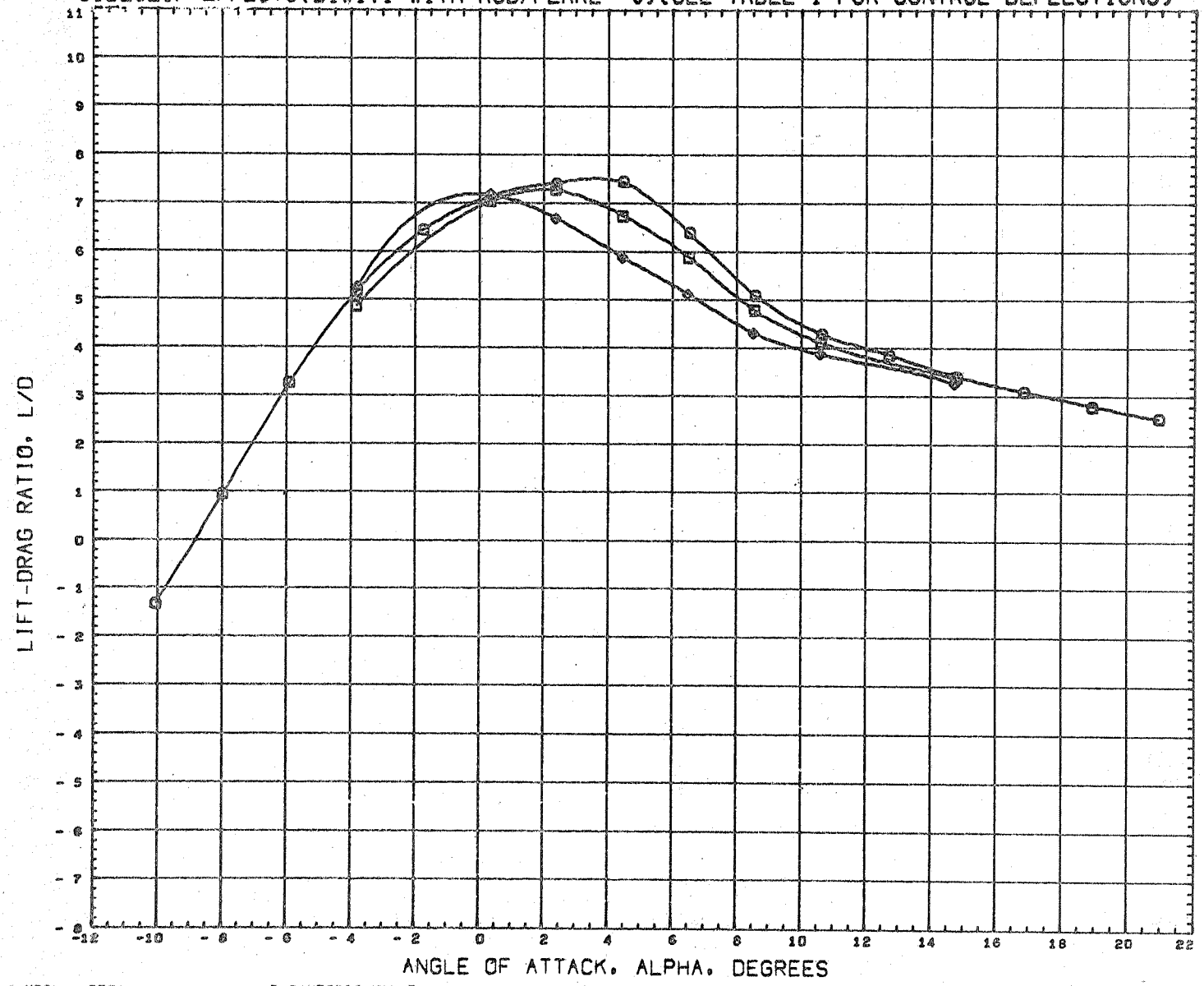
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

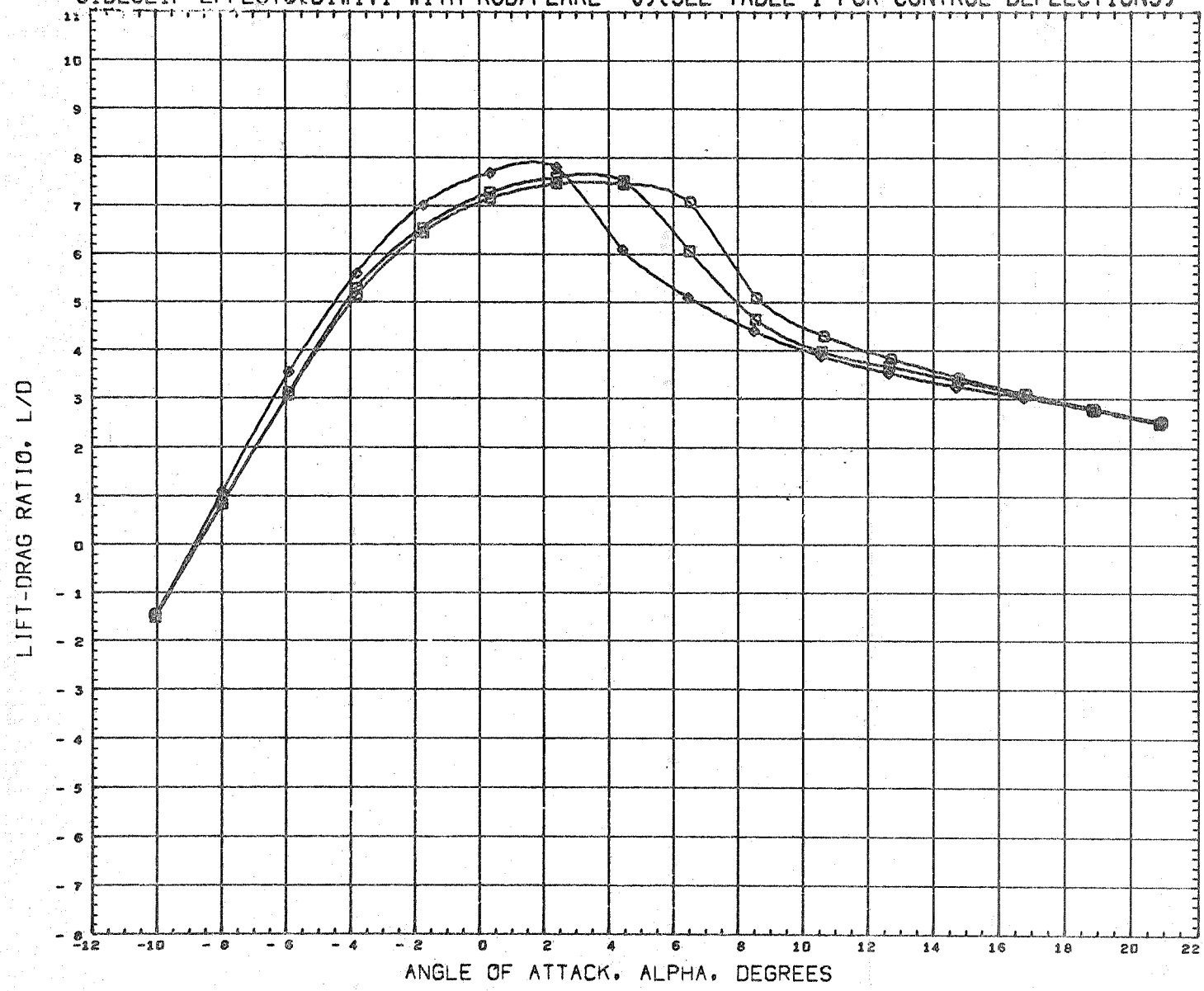


SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



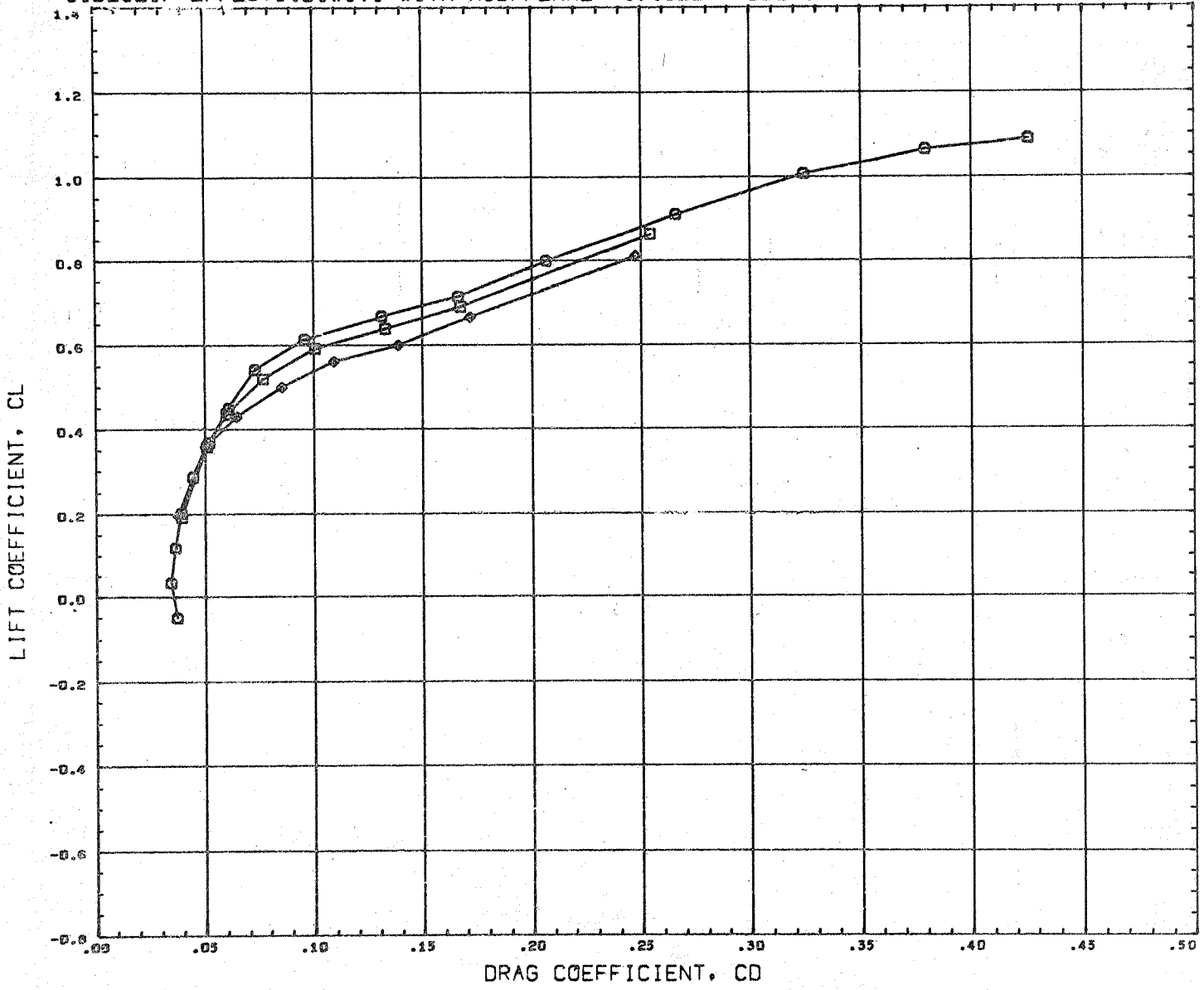
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.900	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

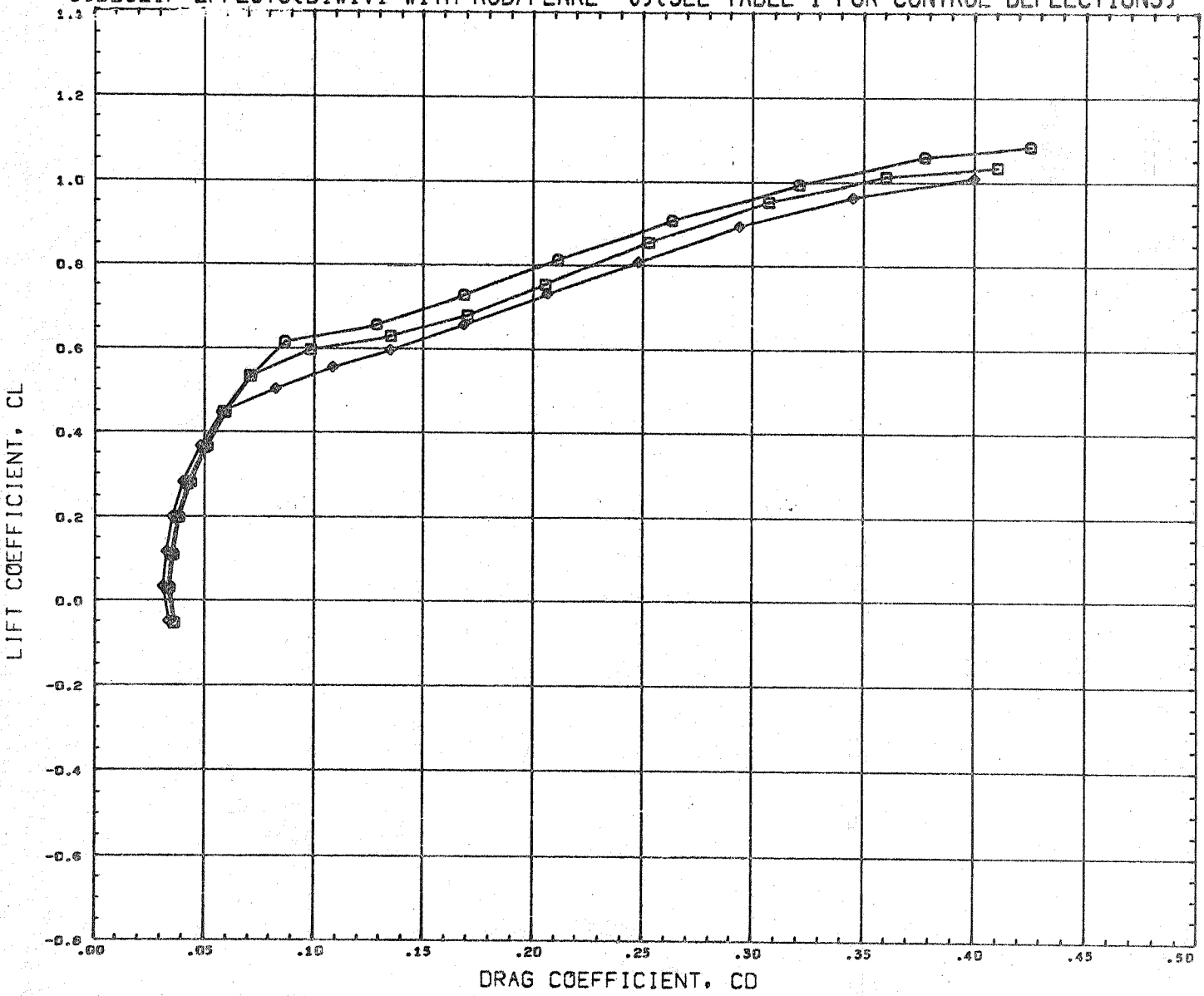


SYMBOL	BETA		PARAMETRIC VALUES		
□	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



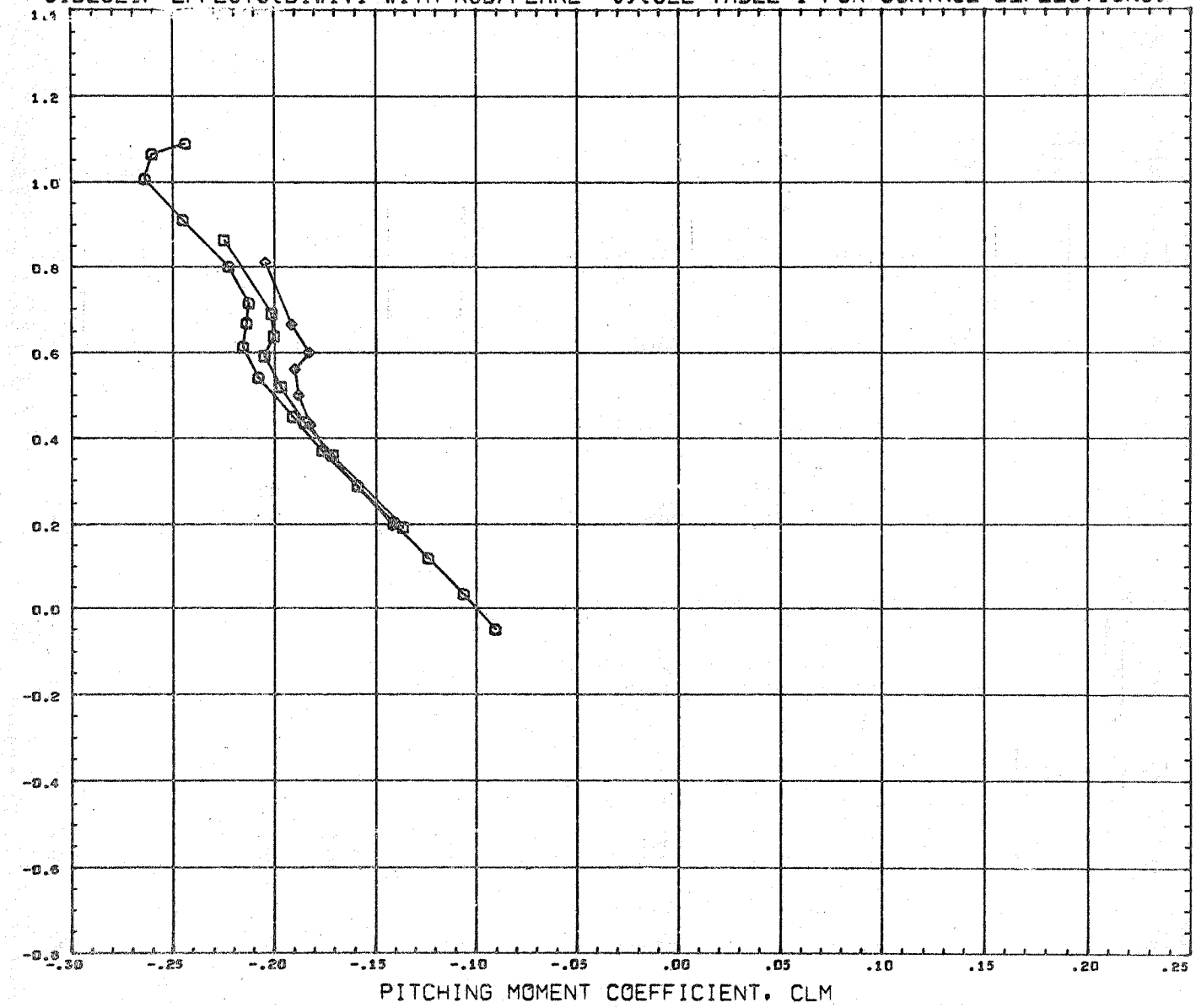
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



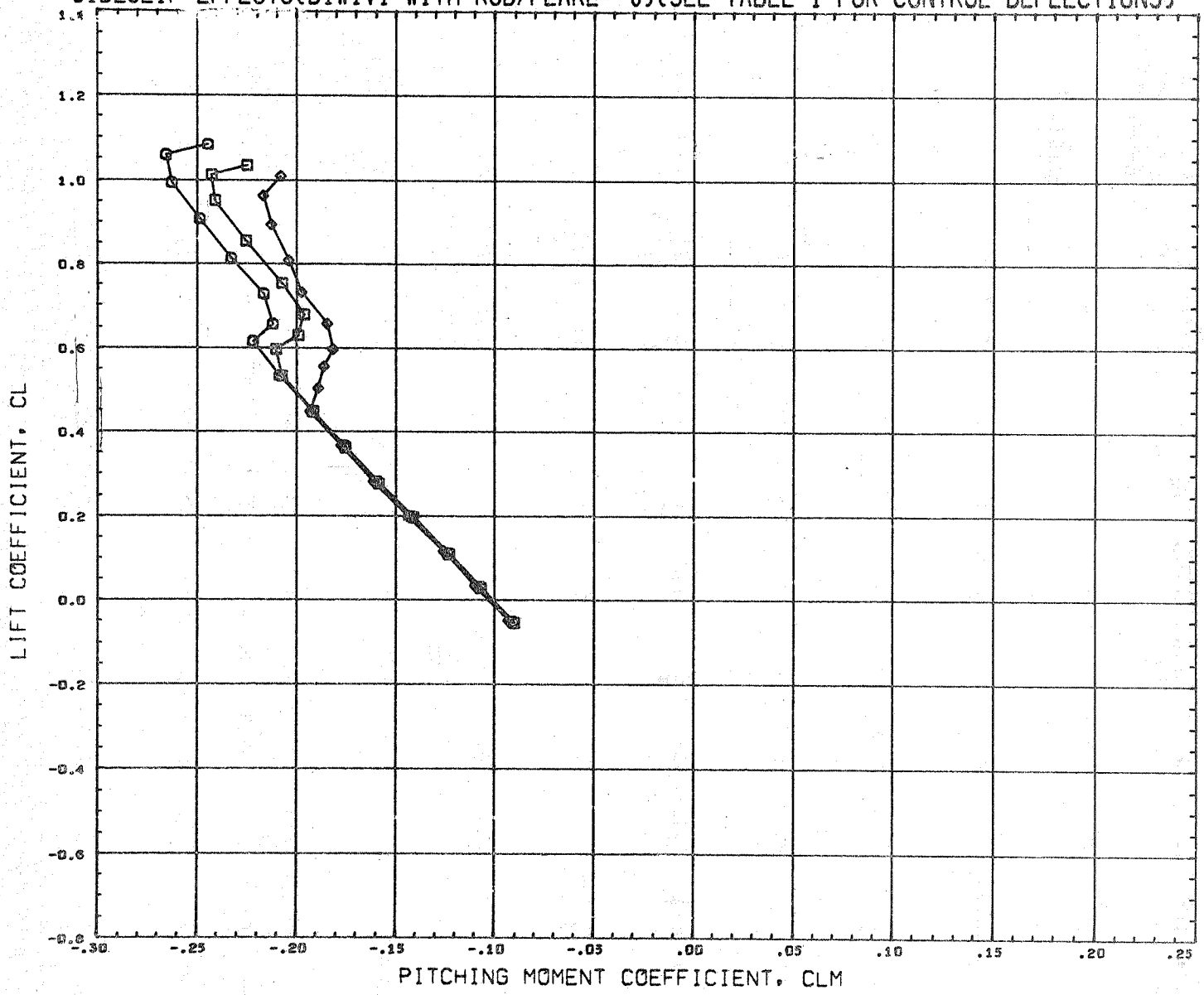
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



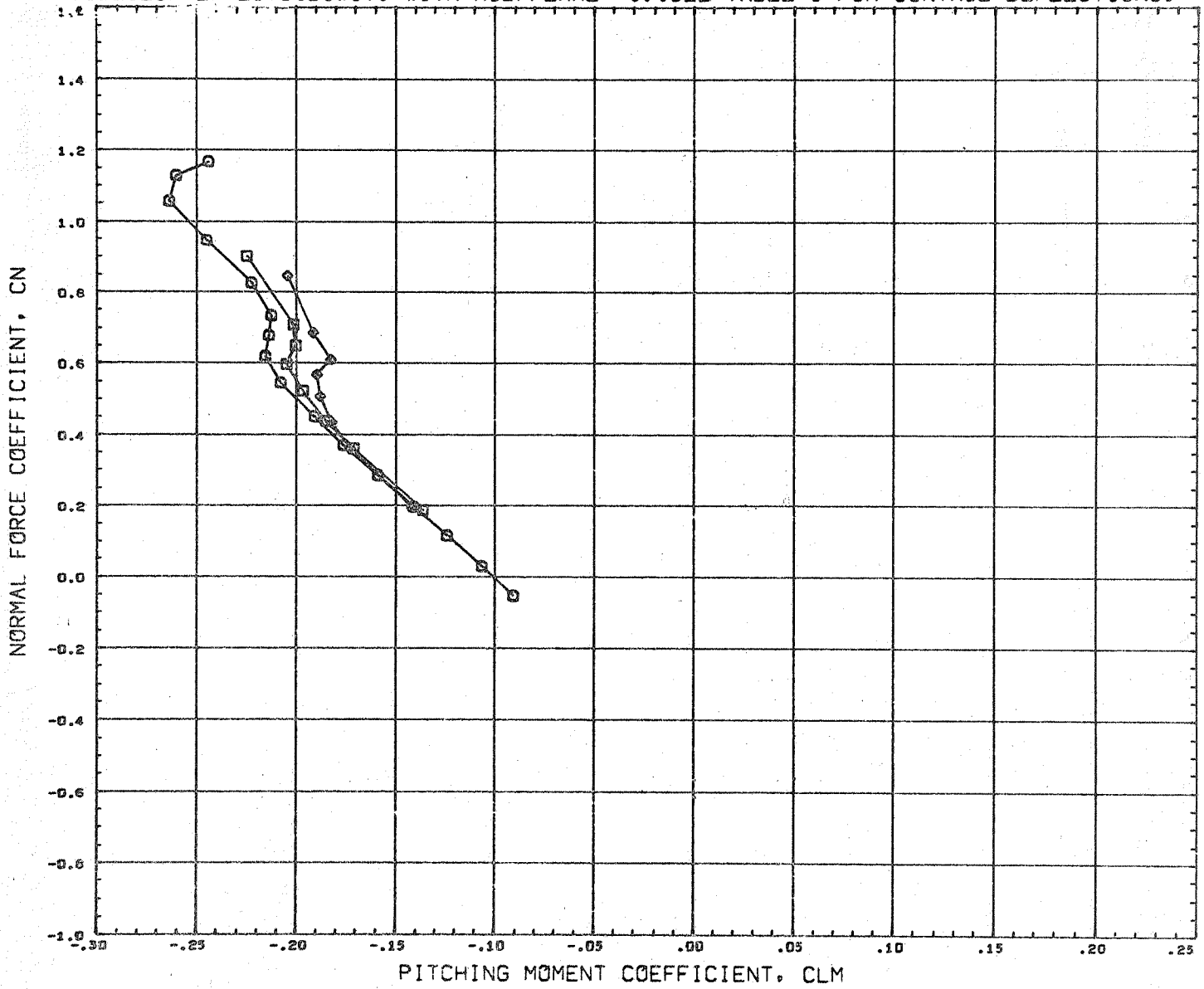
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



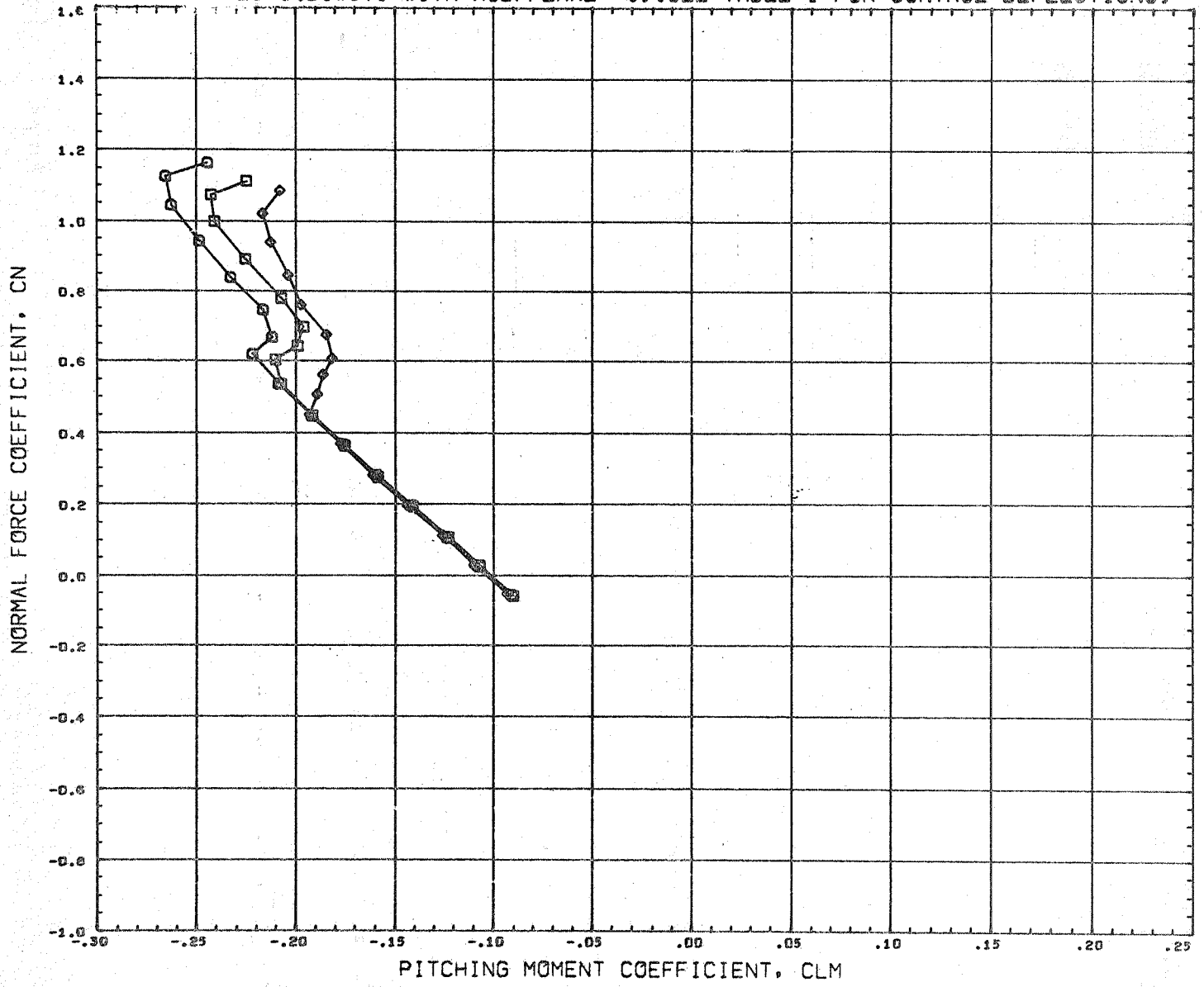
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



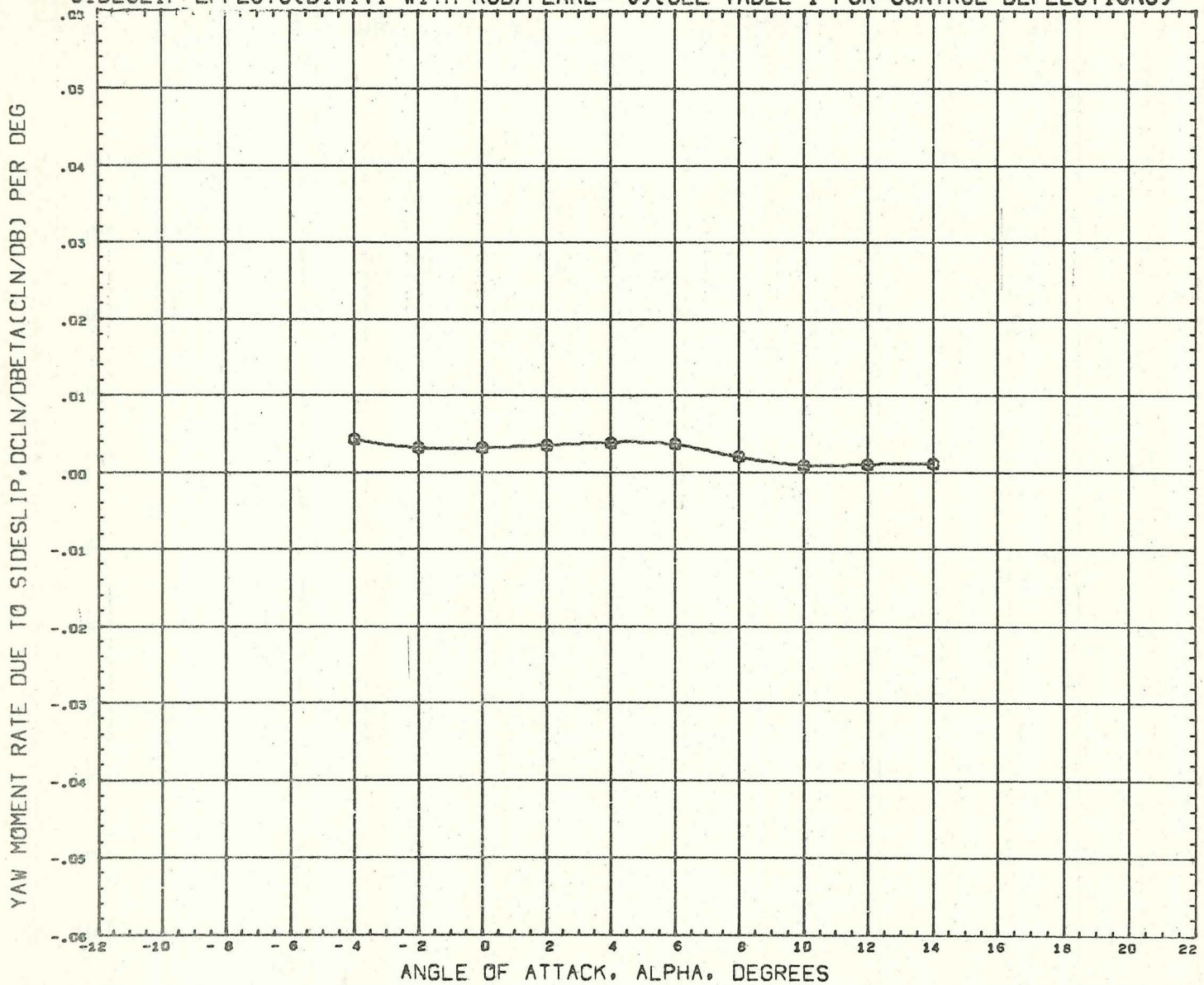
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	100.000	ELEVTR	0.000
□	3.000	AILRON	0.000	RUDDER	0.000
◇	6.000	RUDDFL	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



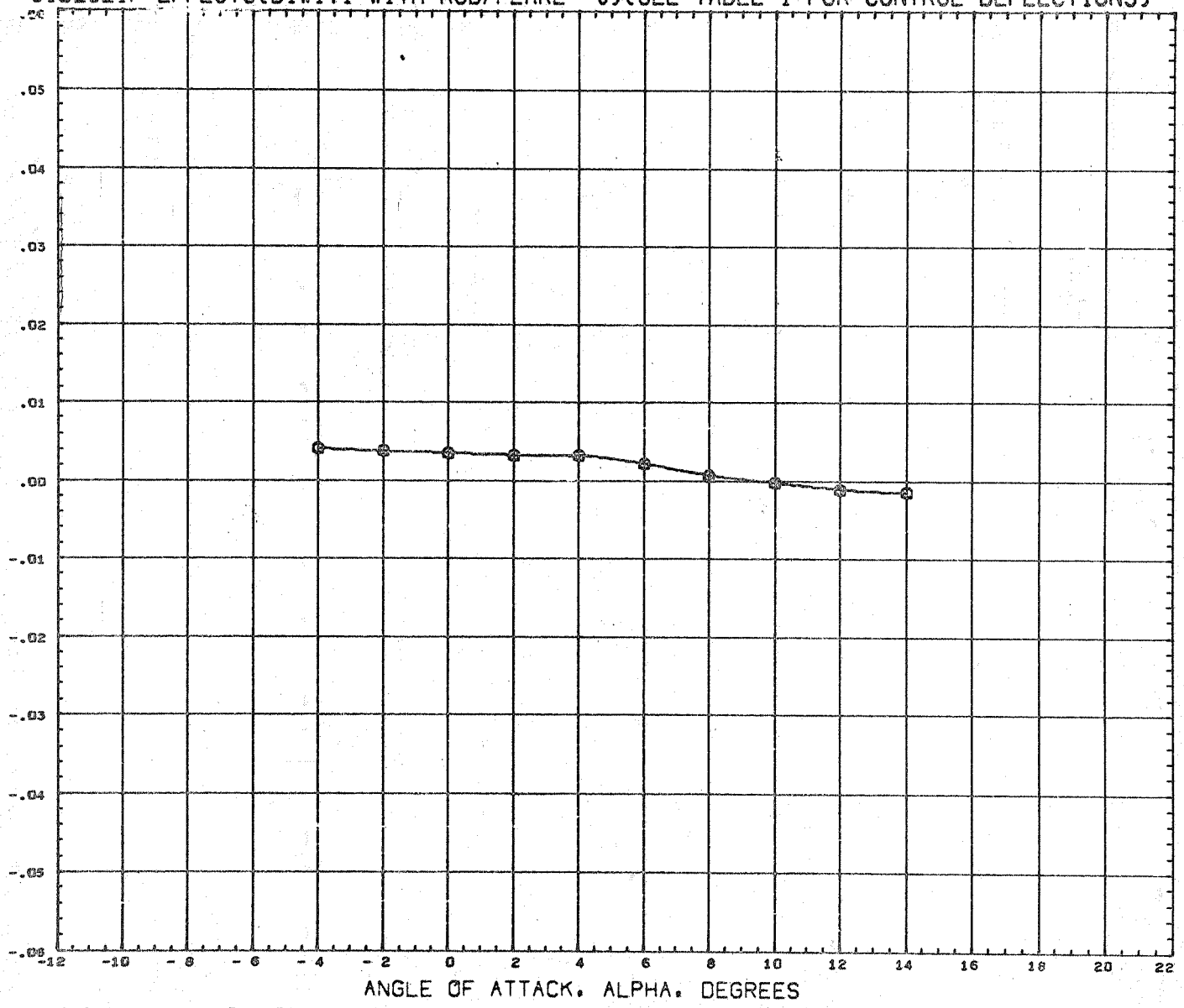
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



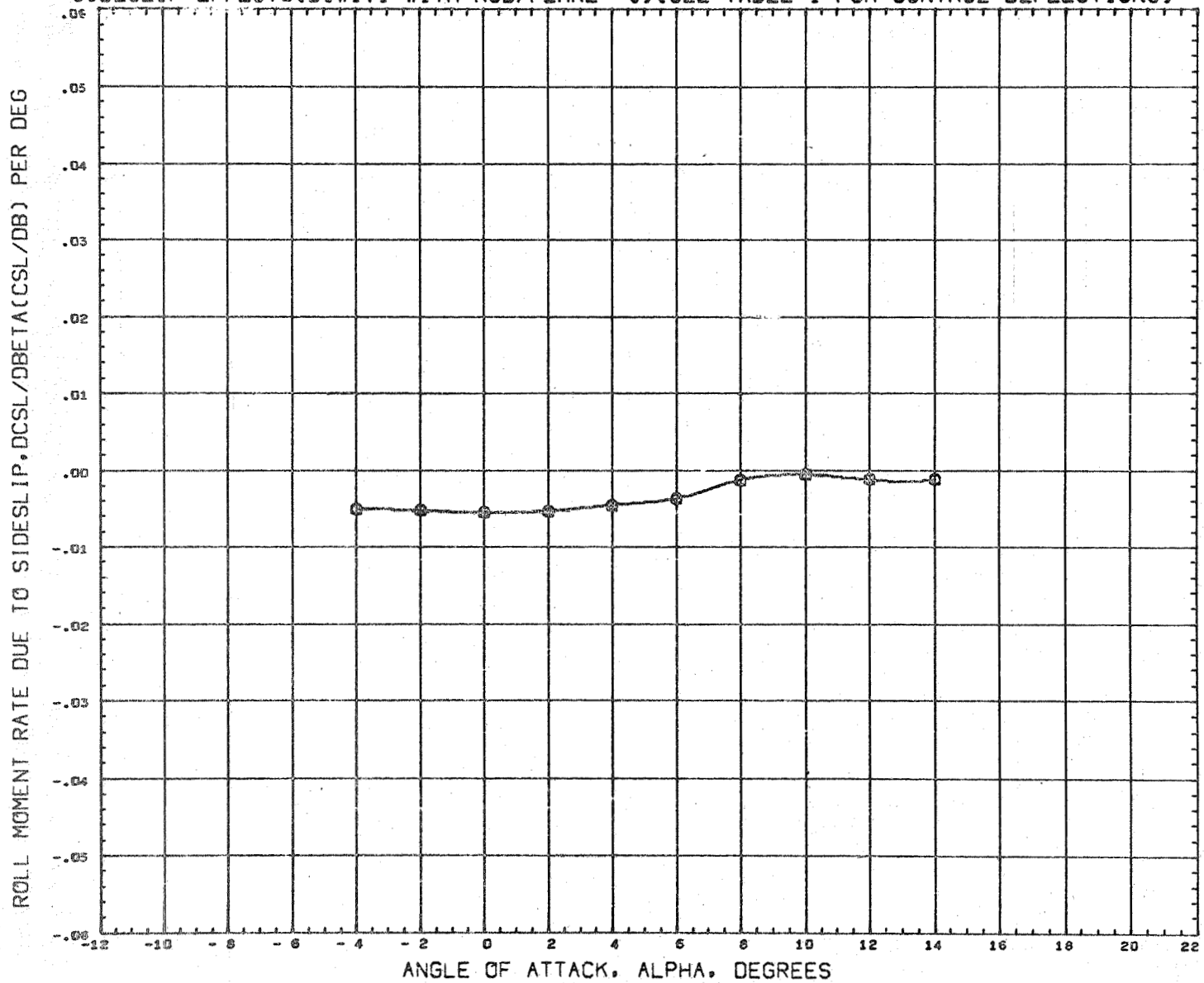
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



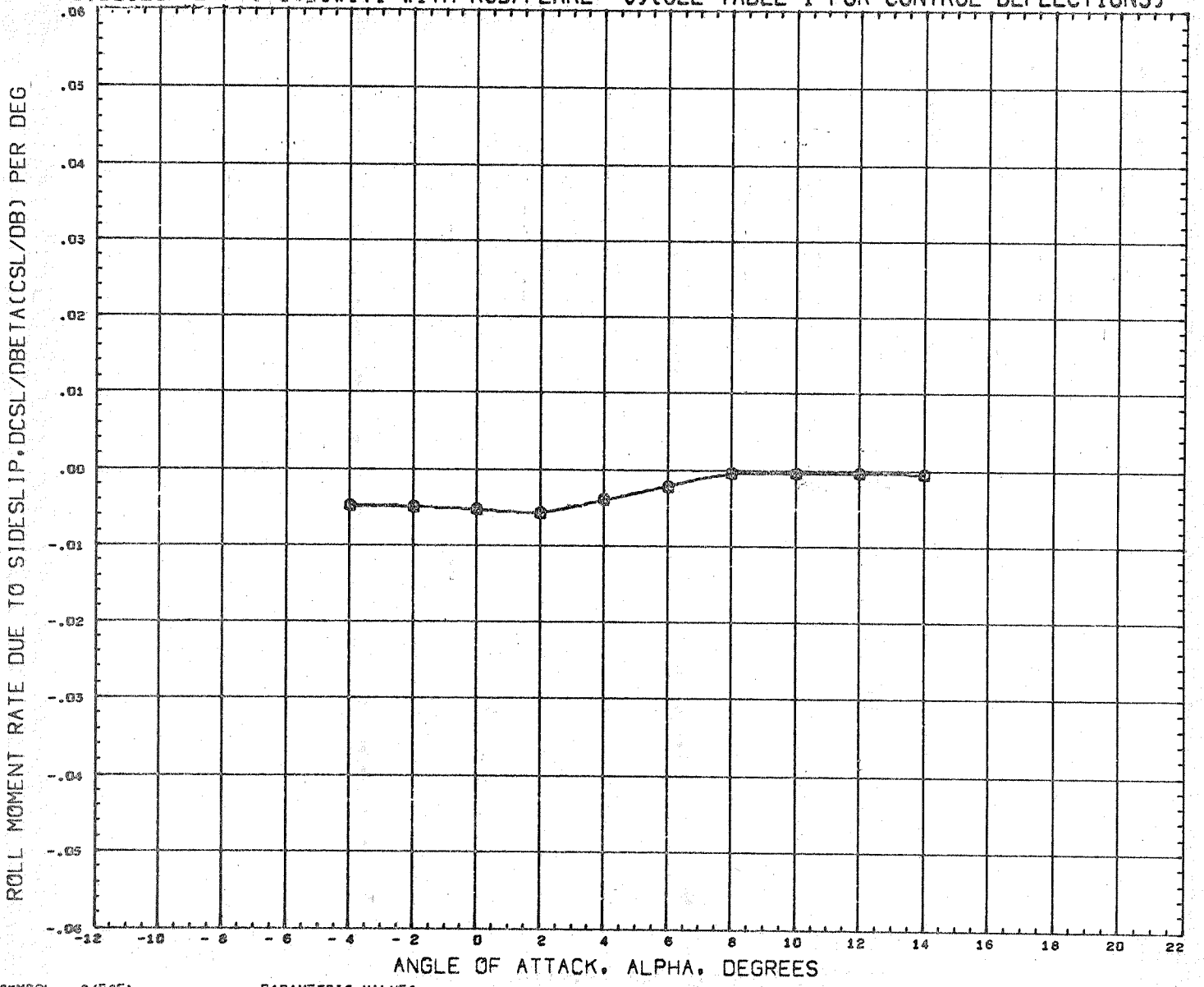
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



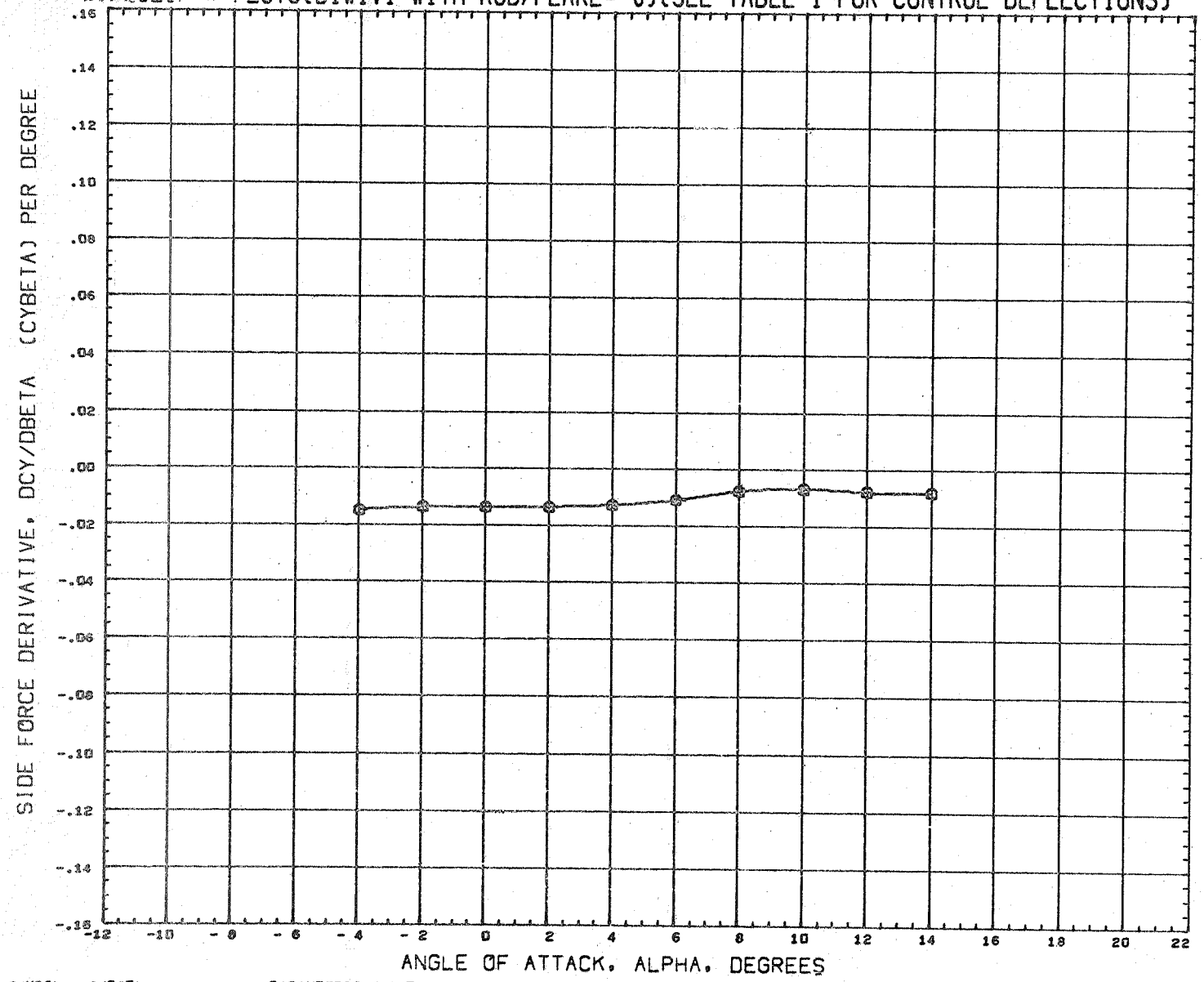
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



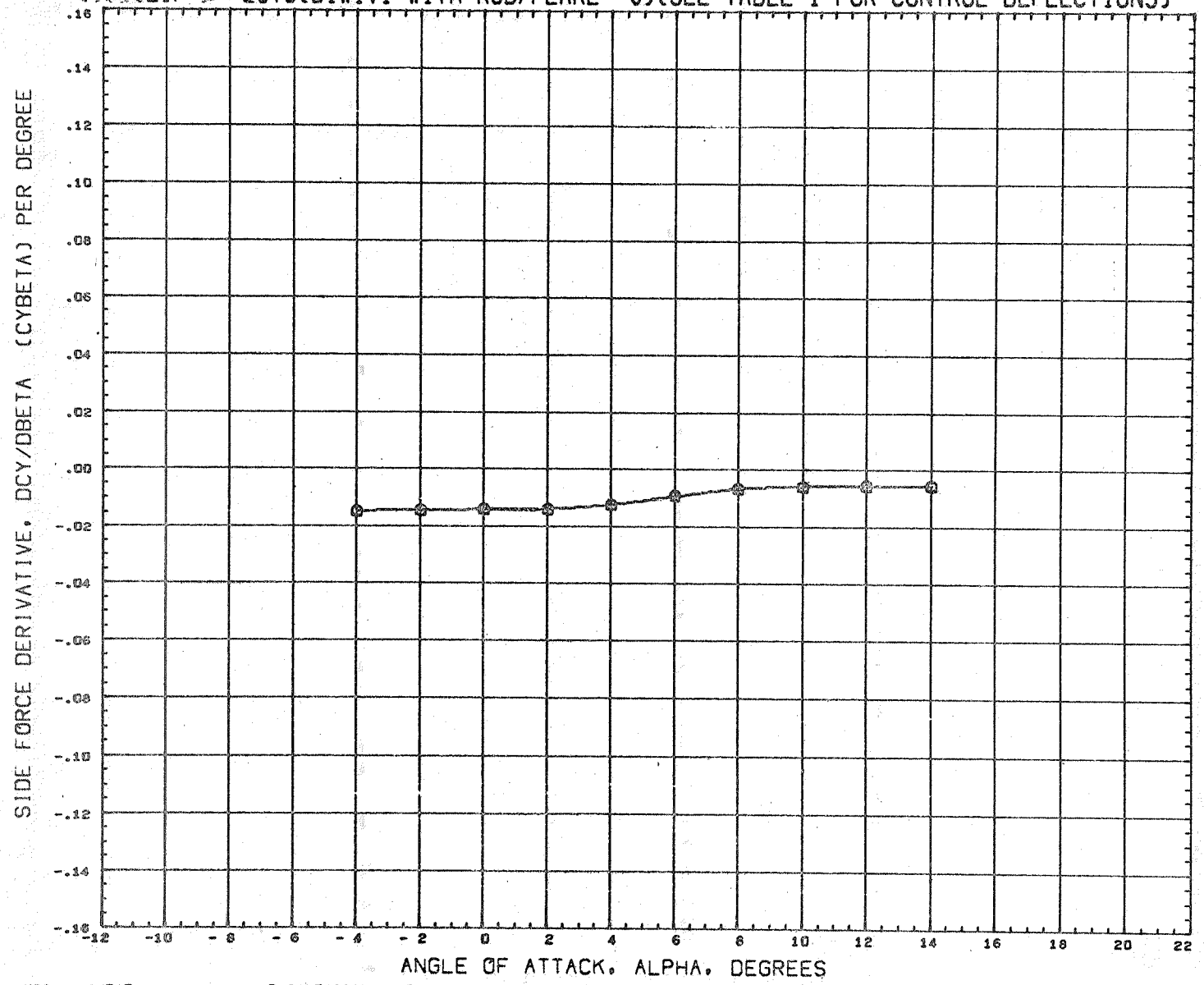
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE= 0)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



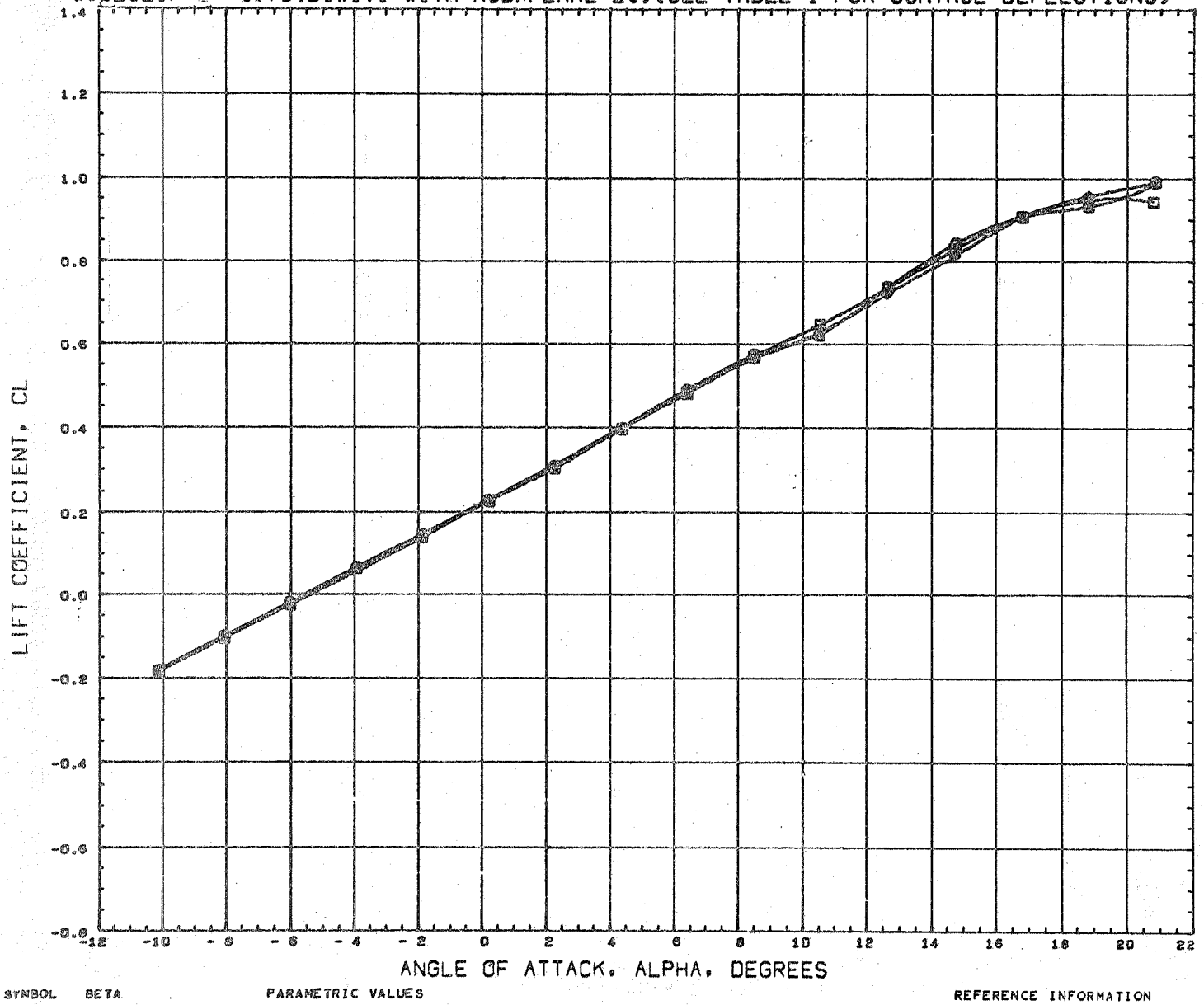
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	100.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	0.000
		RUDDFL	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

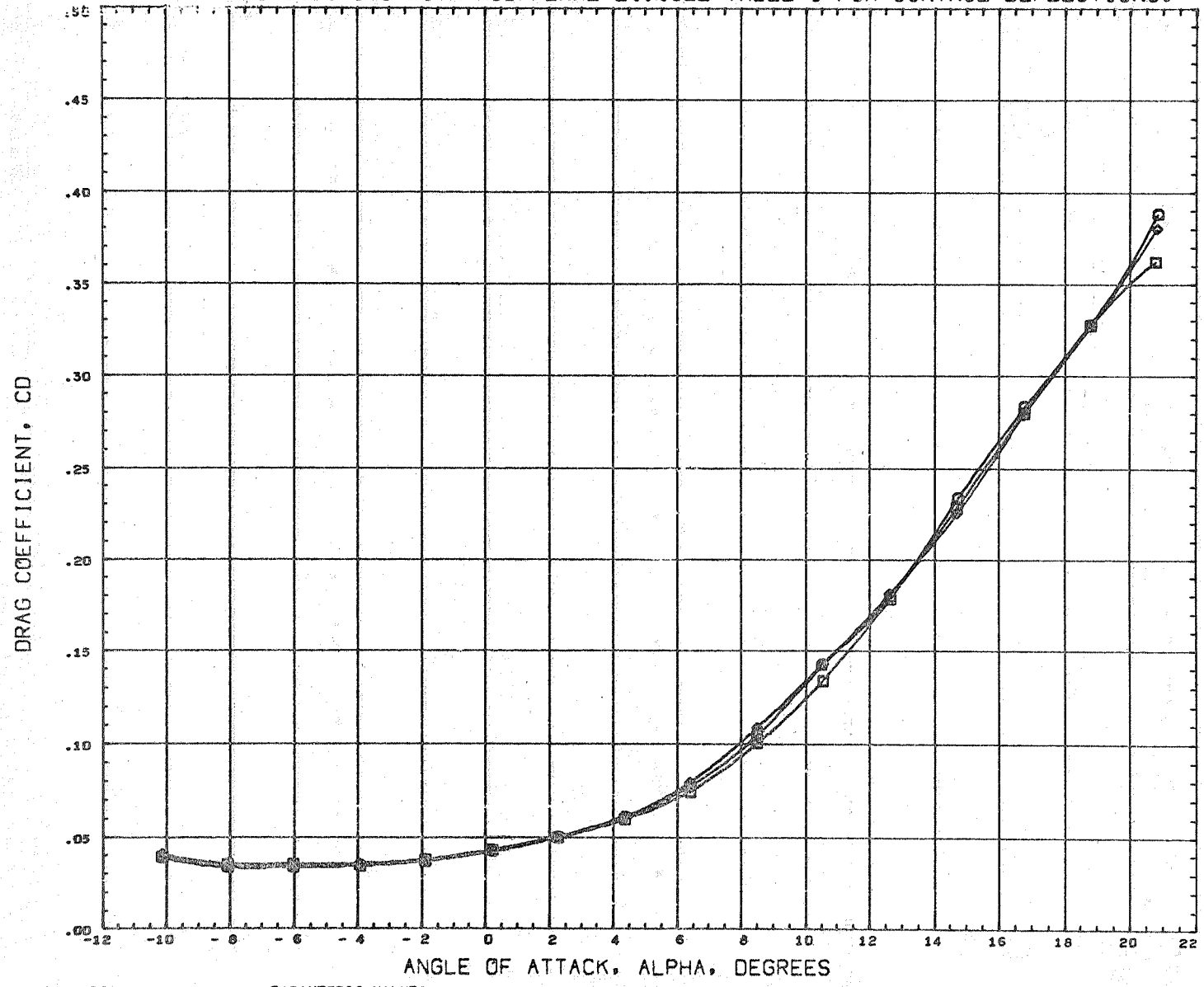


SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILERON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V≠E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



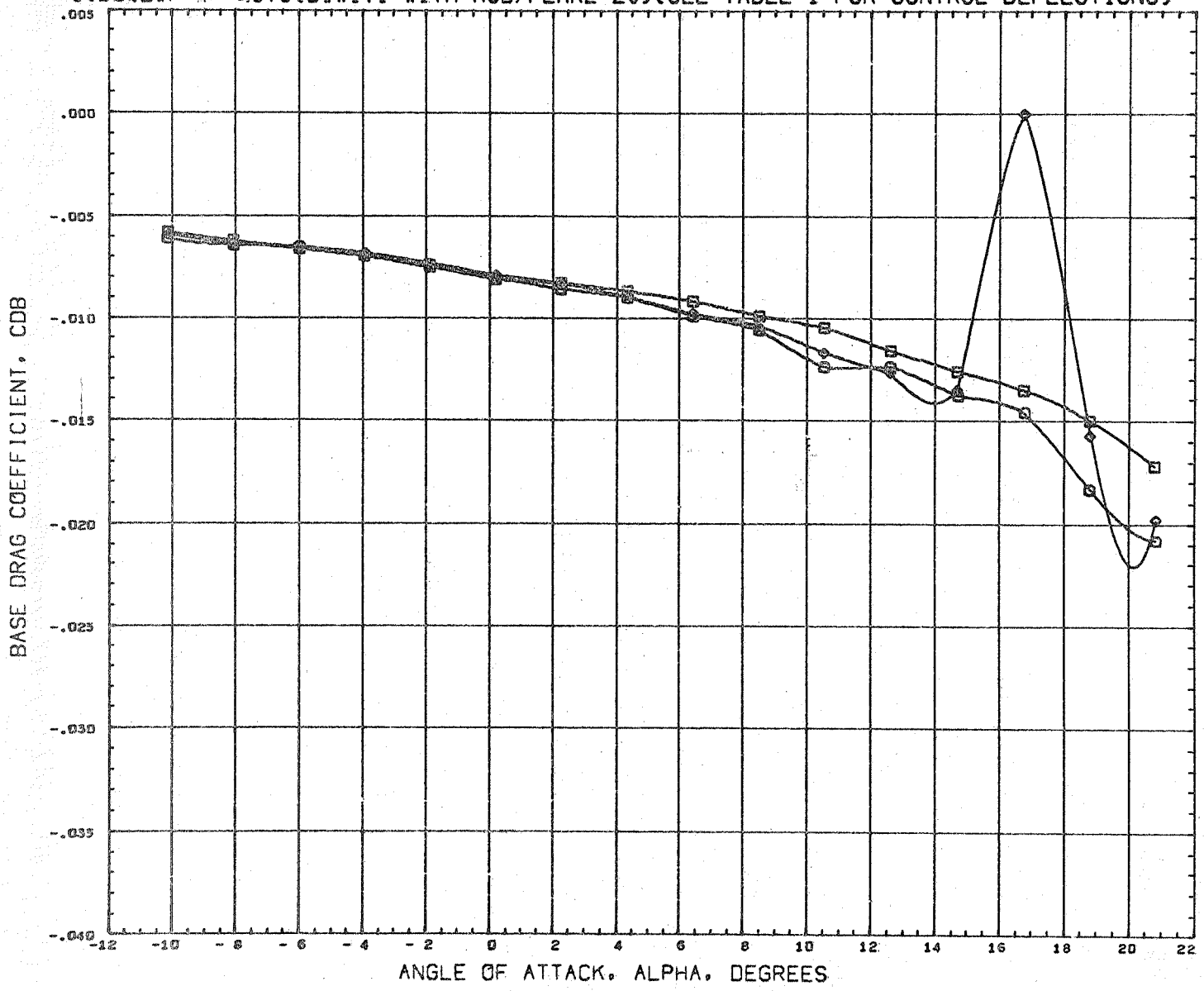
SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

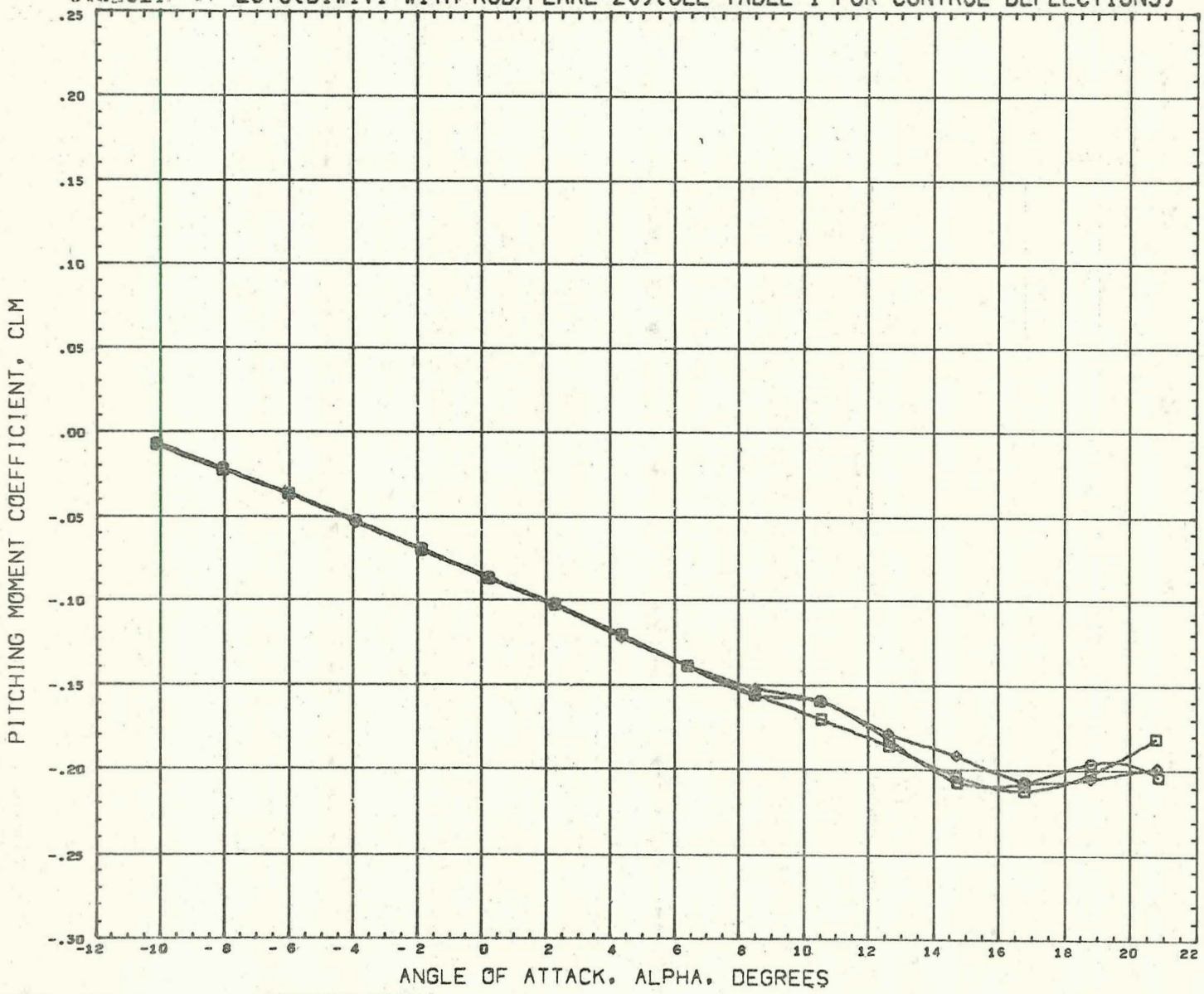


SYMBOL	BETA	PARAMETRIC VALUES			
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



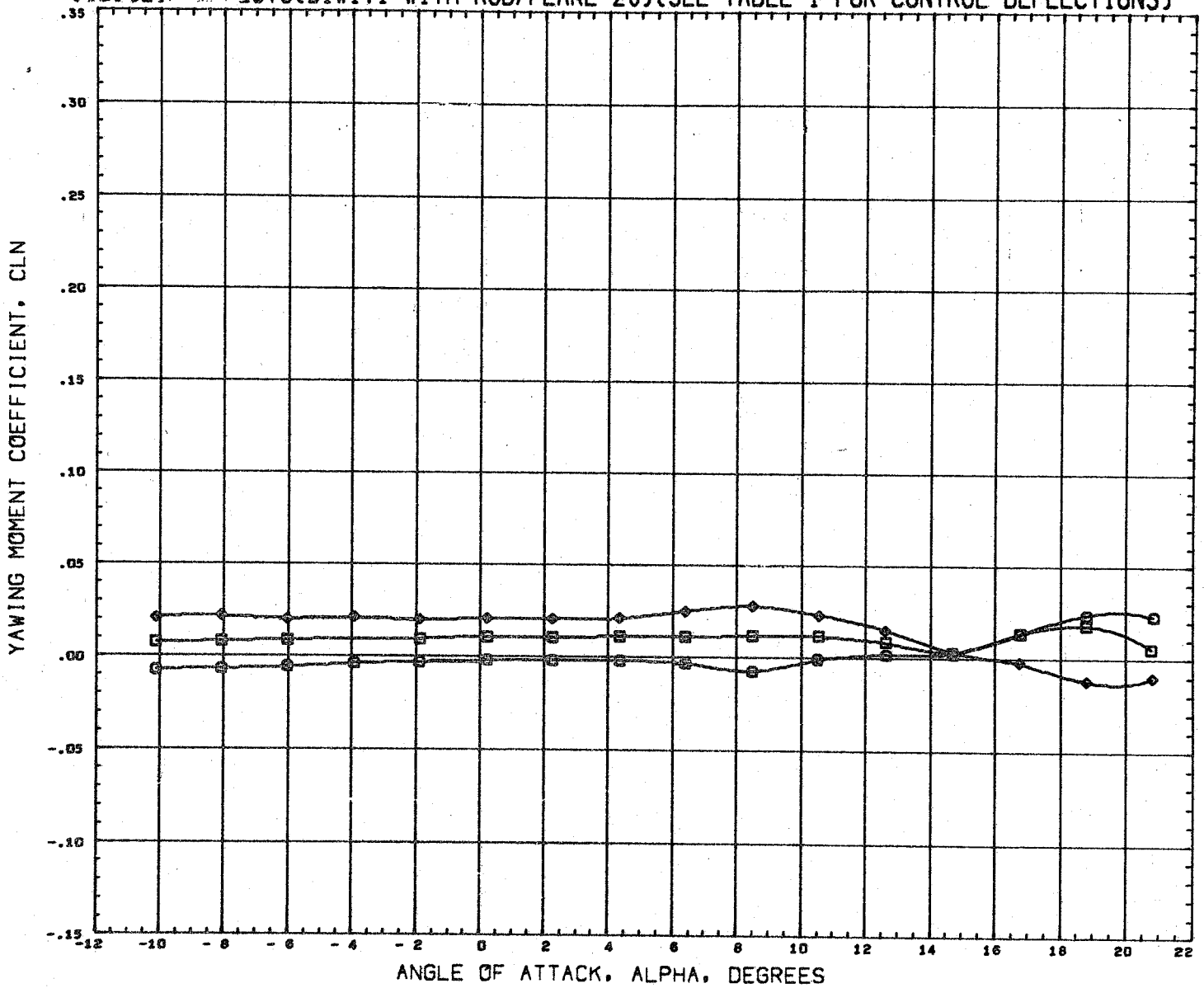
SYMBOL	BETA		PARAMETRIC VALUES			
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000	
□	0.000	AILRON	0.000	RUDDER	- 2.500	
◇	3.000	RUDDFL	- 22.500			

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



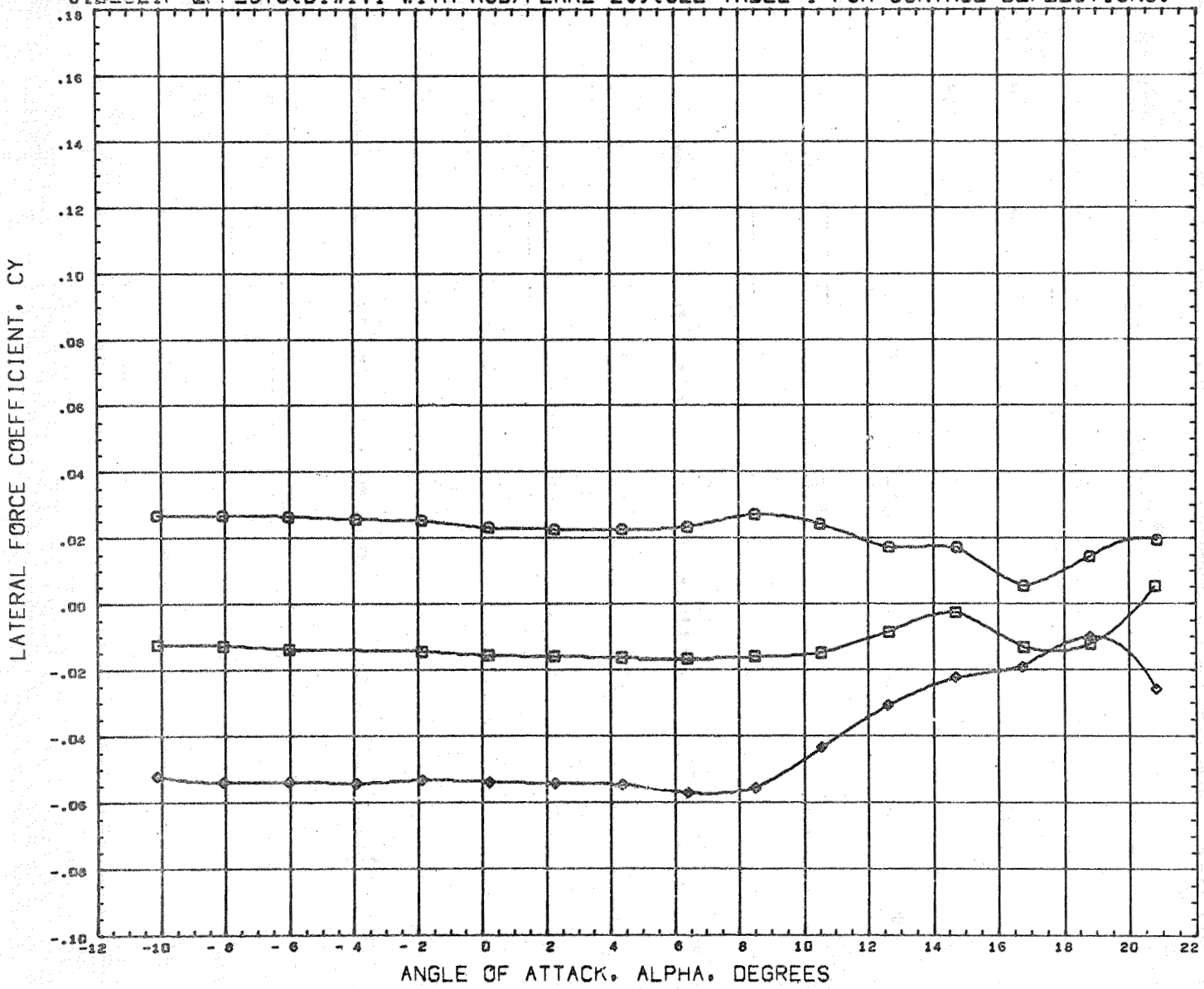
SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

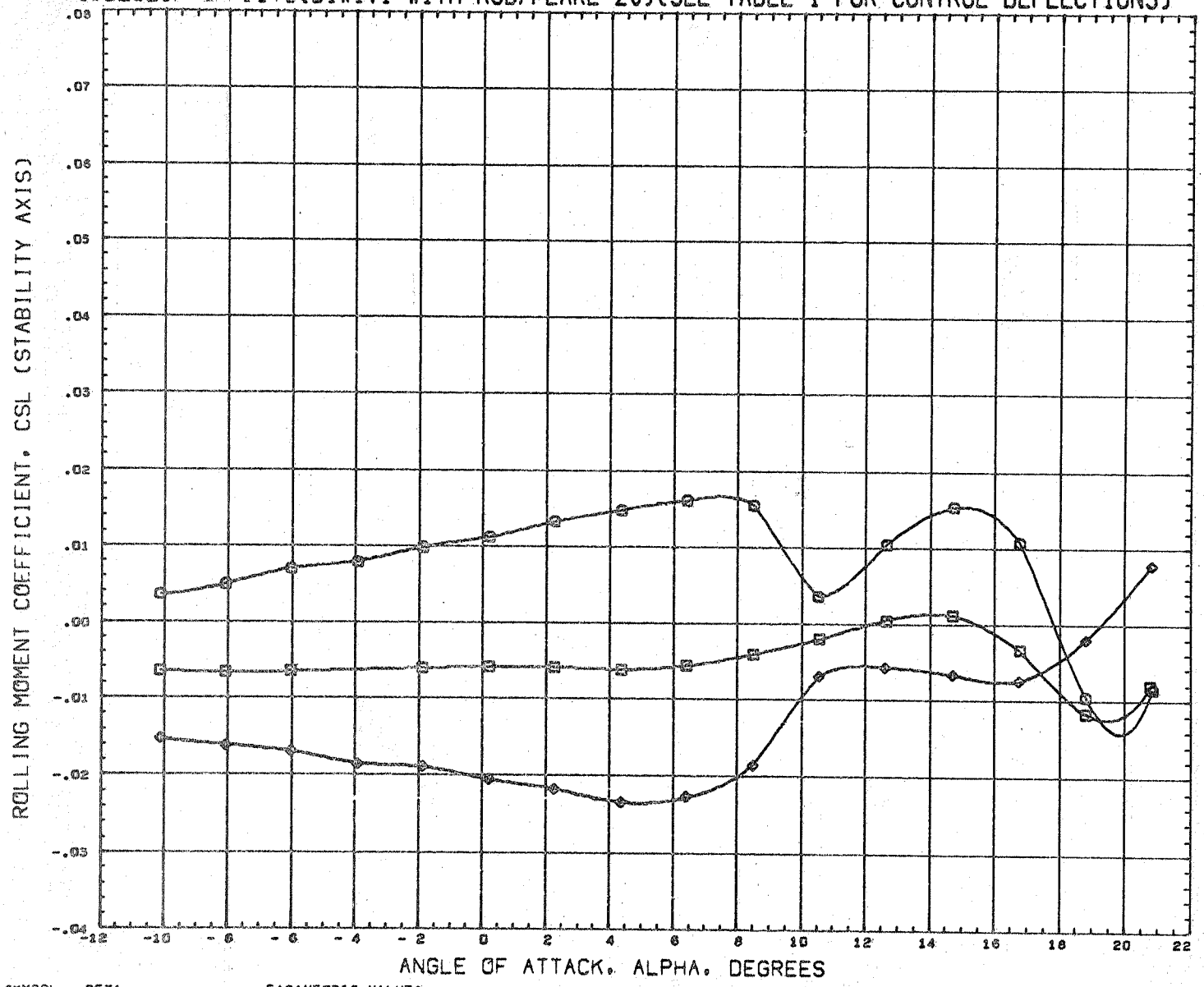


SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA MIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



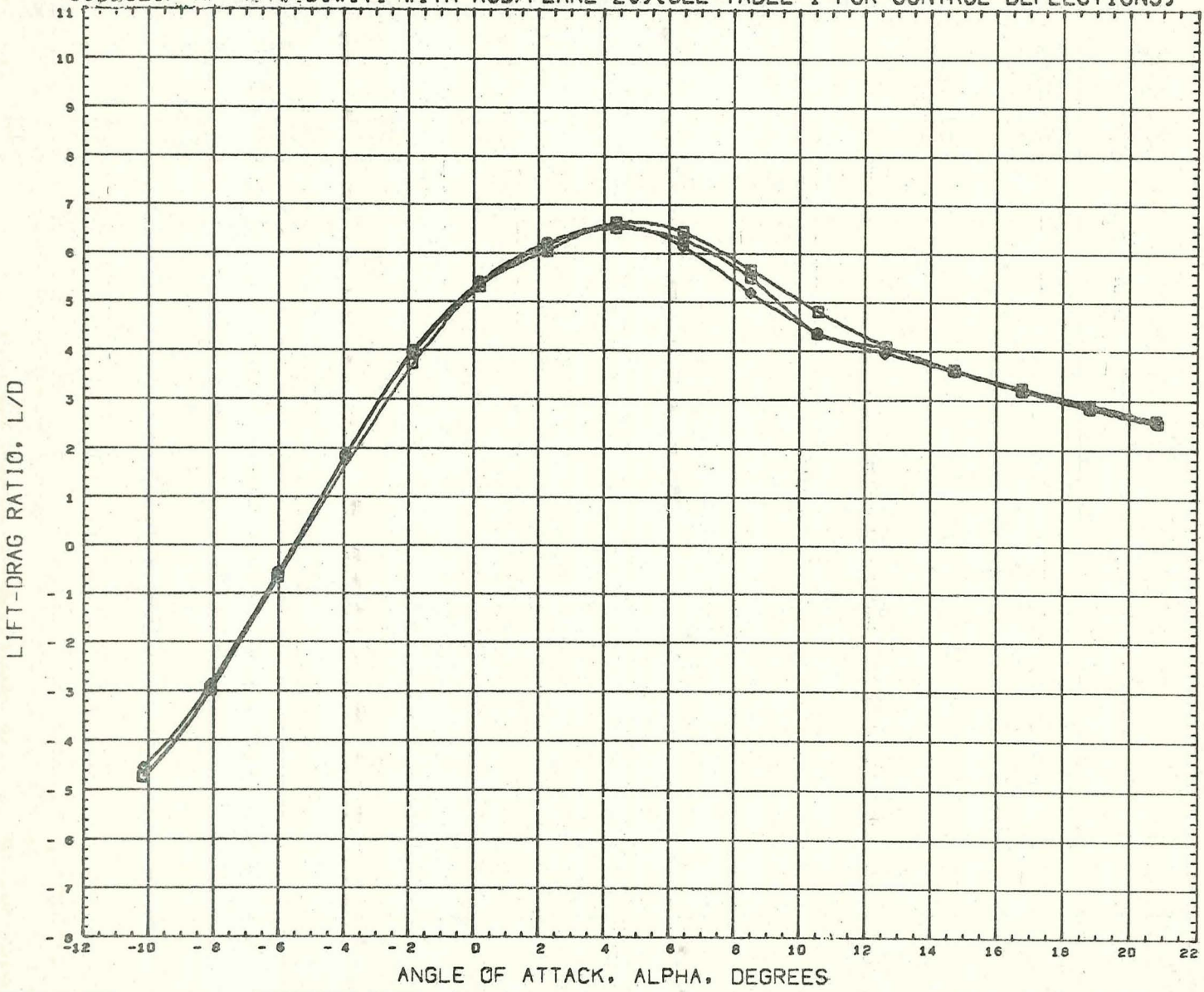
SYMBOL	BETA		PARAMETRIC VALUES		
□	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



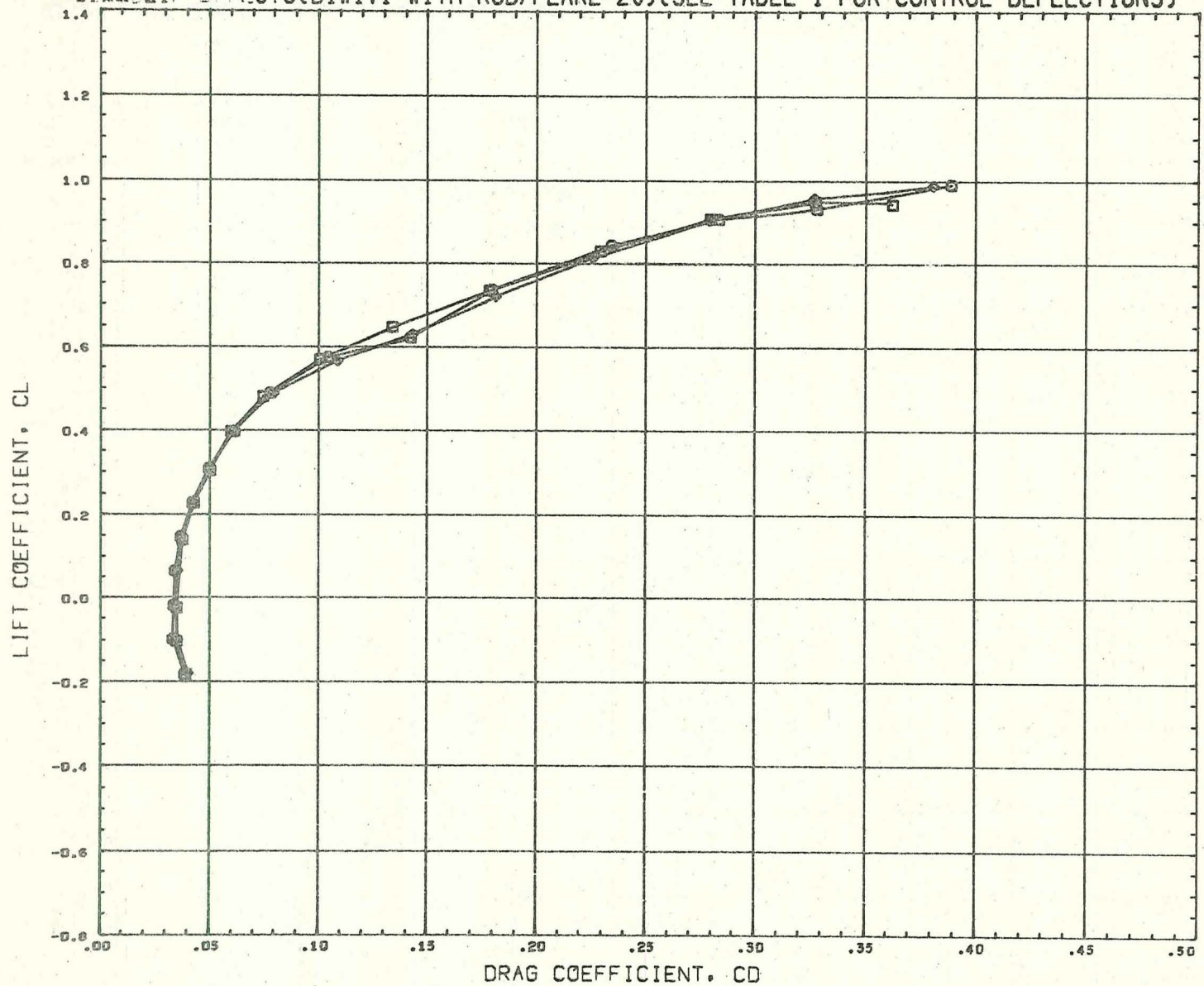
SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



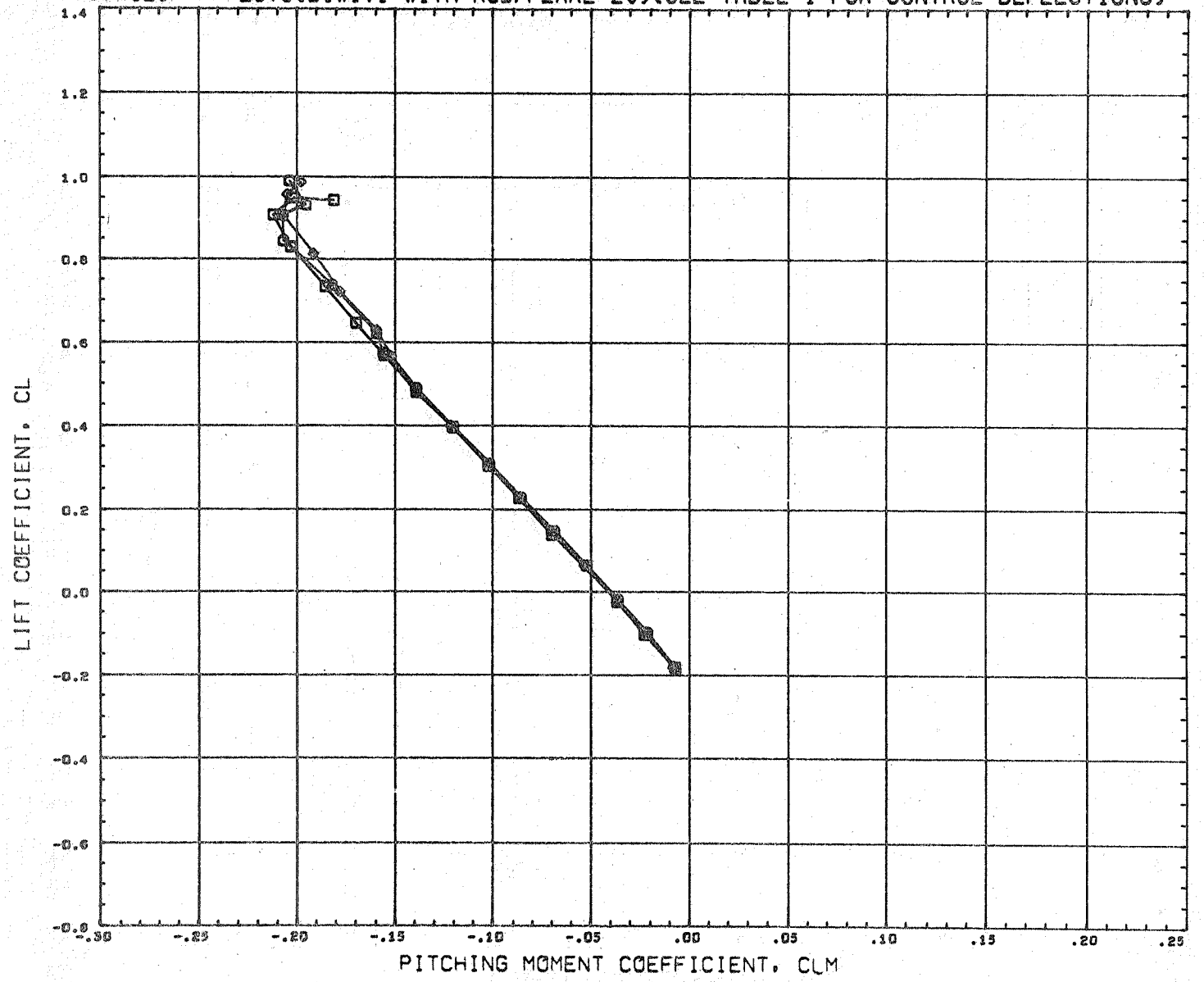
SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)

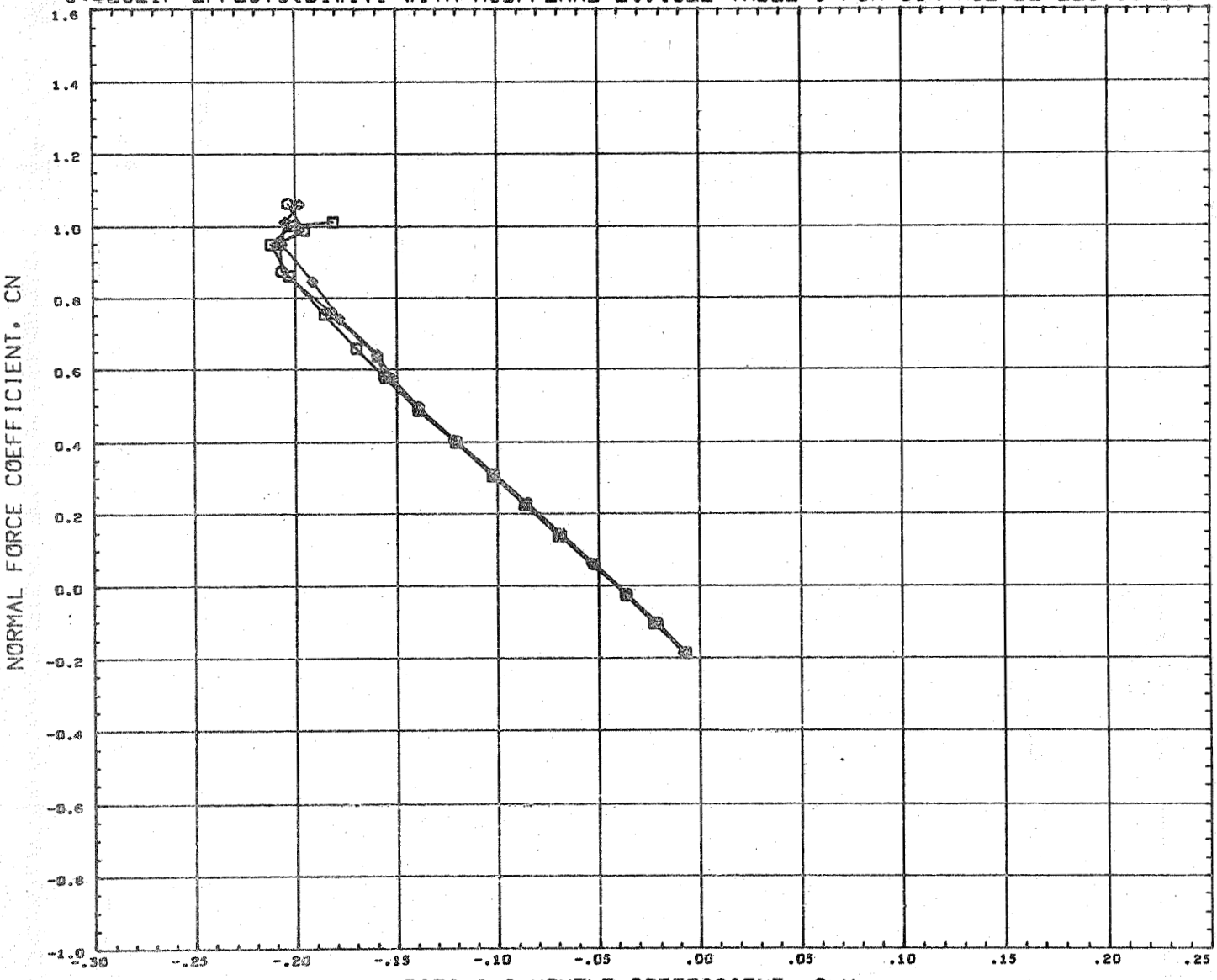


SYMBOL	BETA		PARAMETRIC VALUES		
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V≠E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



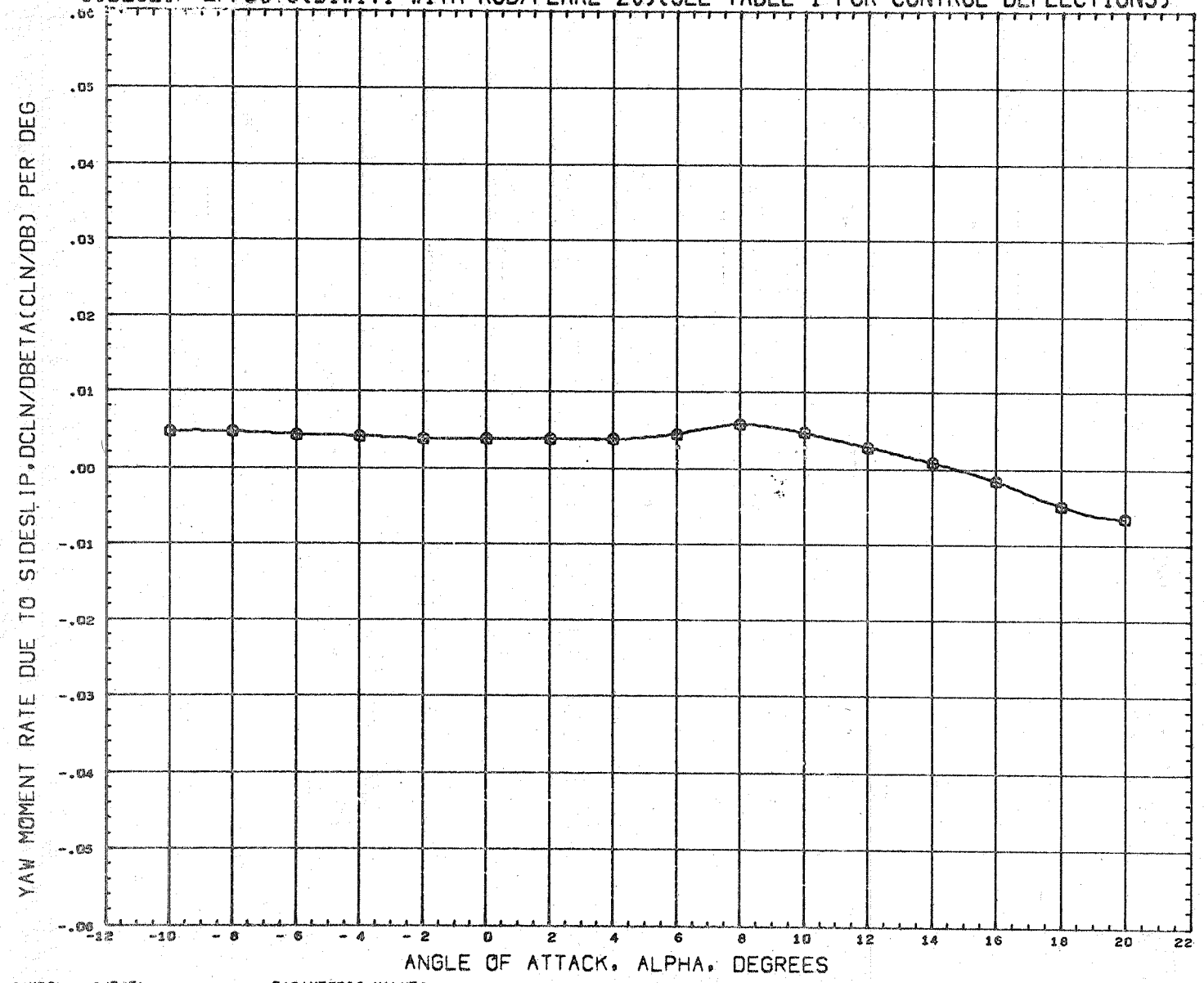
SYMBOL	BETA		PARAMETRIC VALUES			
○	- 3.000	Q(PSF)	40.000	ELEVTR	0.000
□	0.000	AILRON	0.000	RUDDER	- 2.500
◇	3.000	RUDDFL	- 22.500		

DATA HIST. CODE V=E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



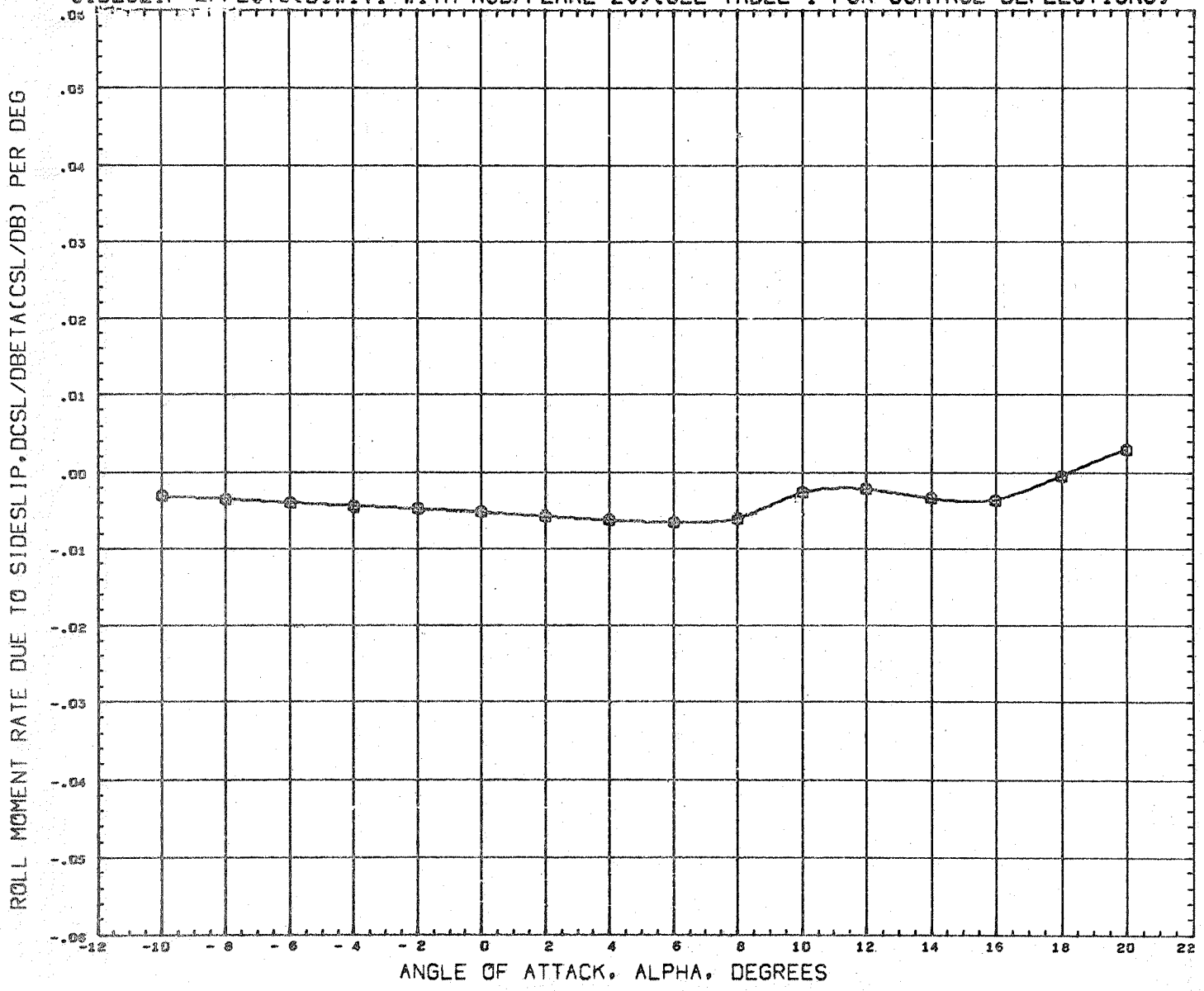
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	- 3.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



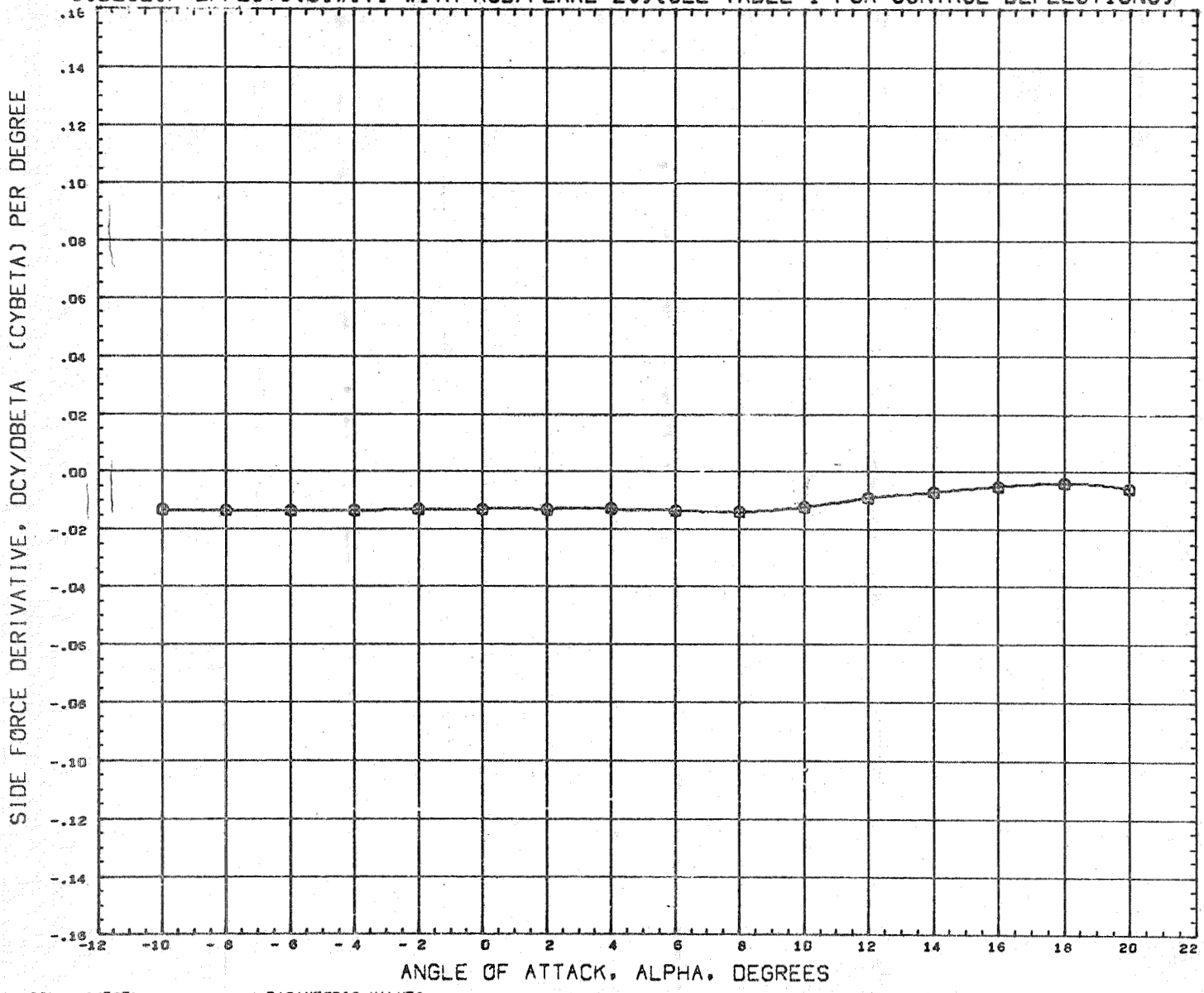
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	- 3.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS(B1W1V1 WITH RUD/FLARE=20)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



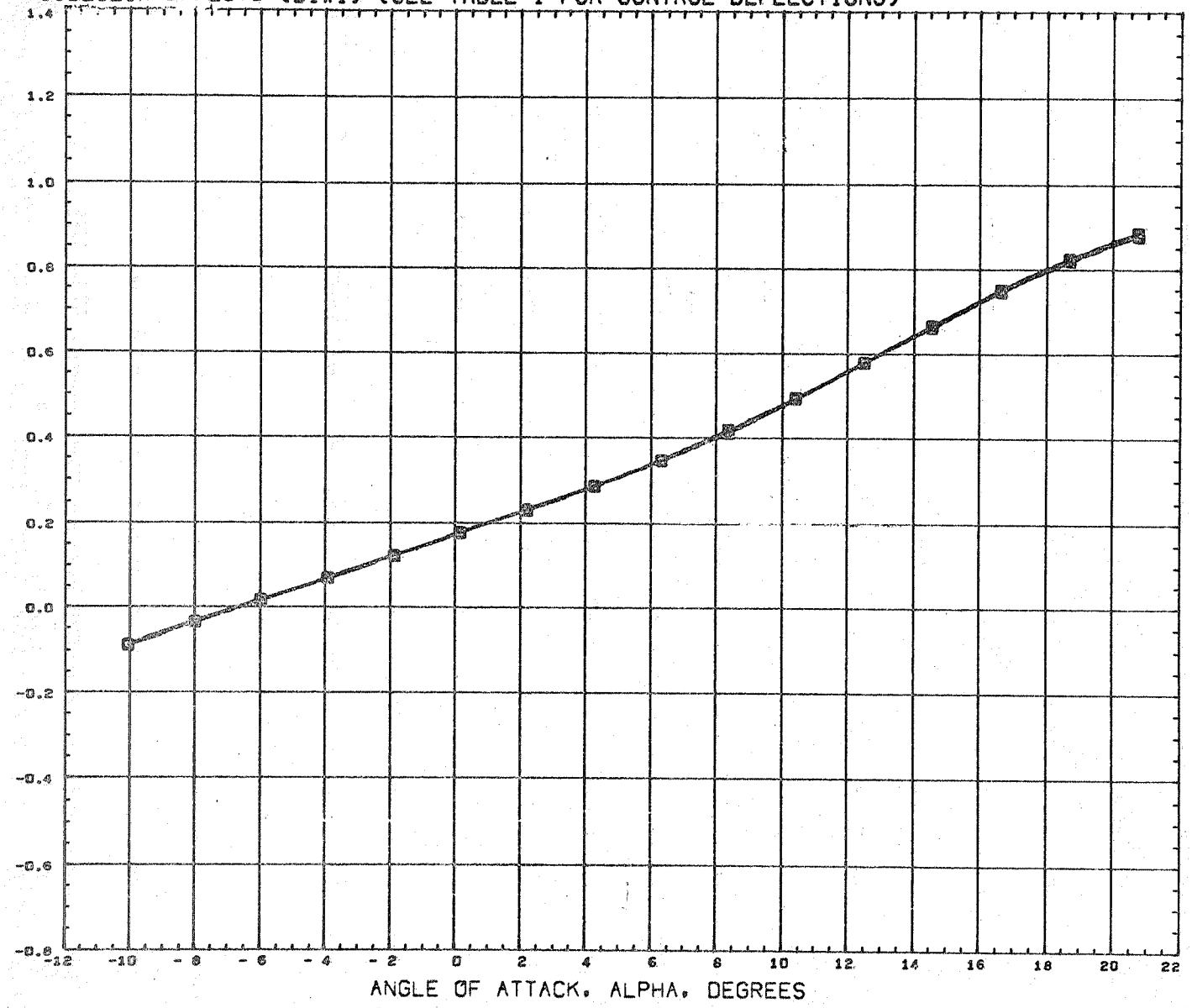
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	- 3.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	- 2.500
		RUDDFL	- 22.500		

DATA HIST. CODE #P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



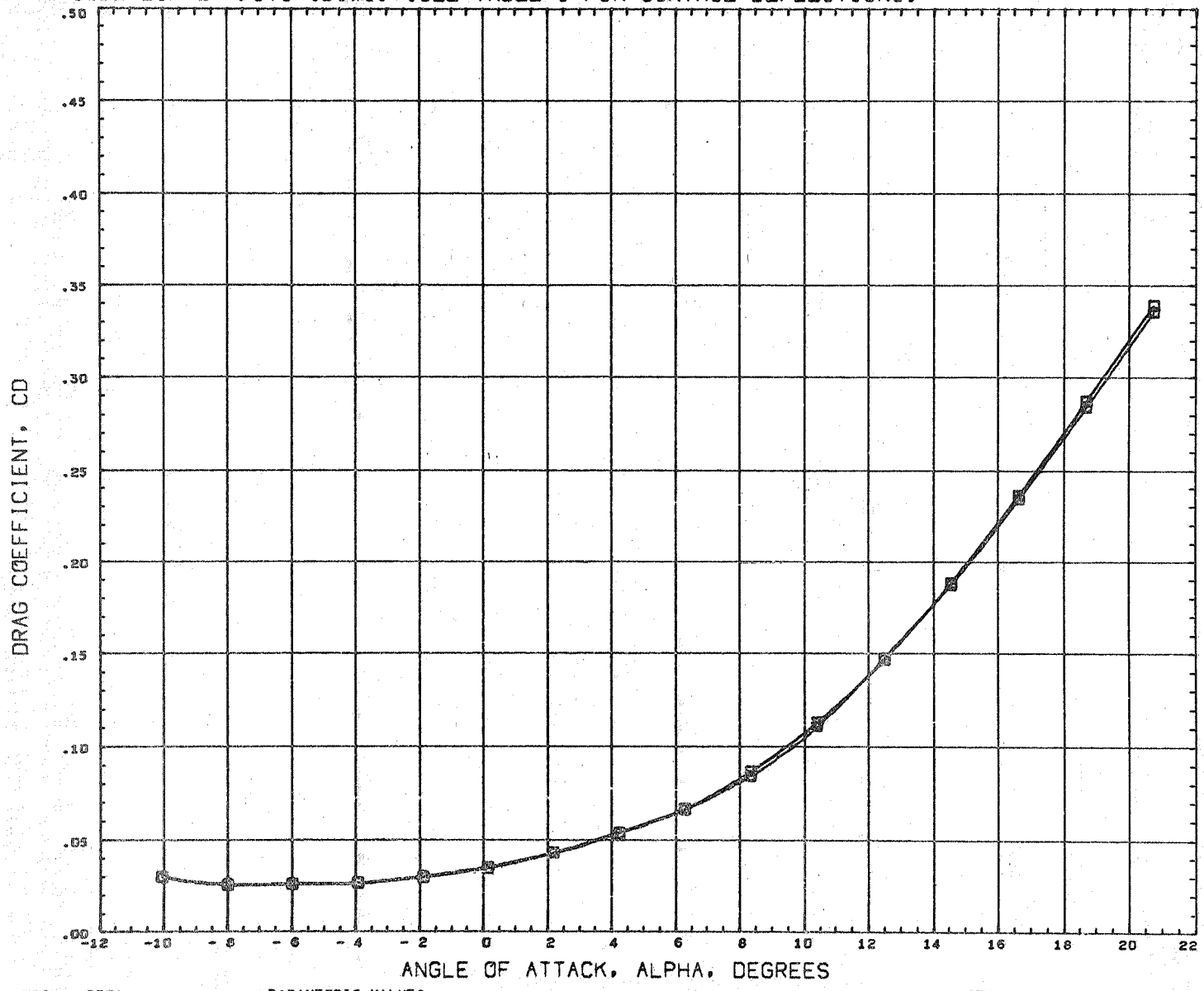
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



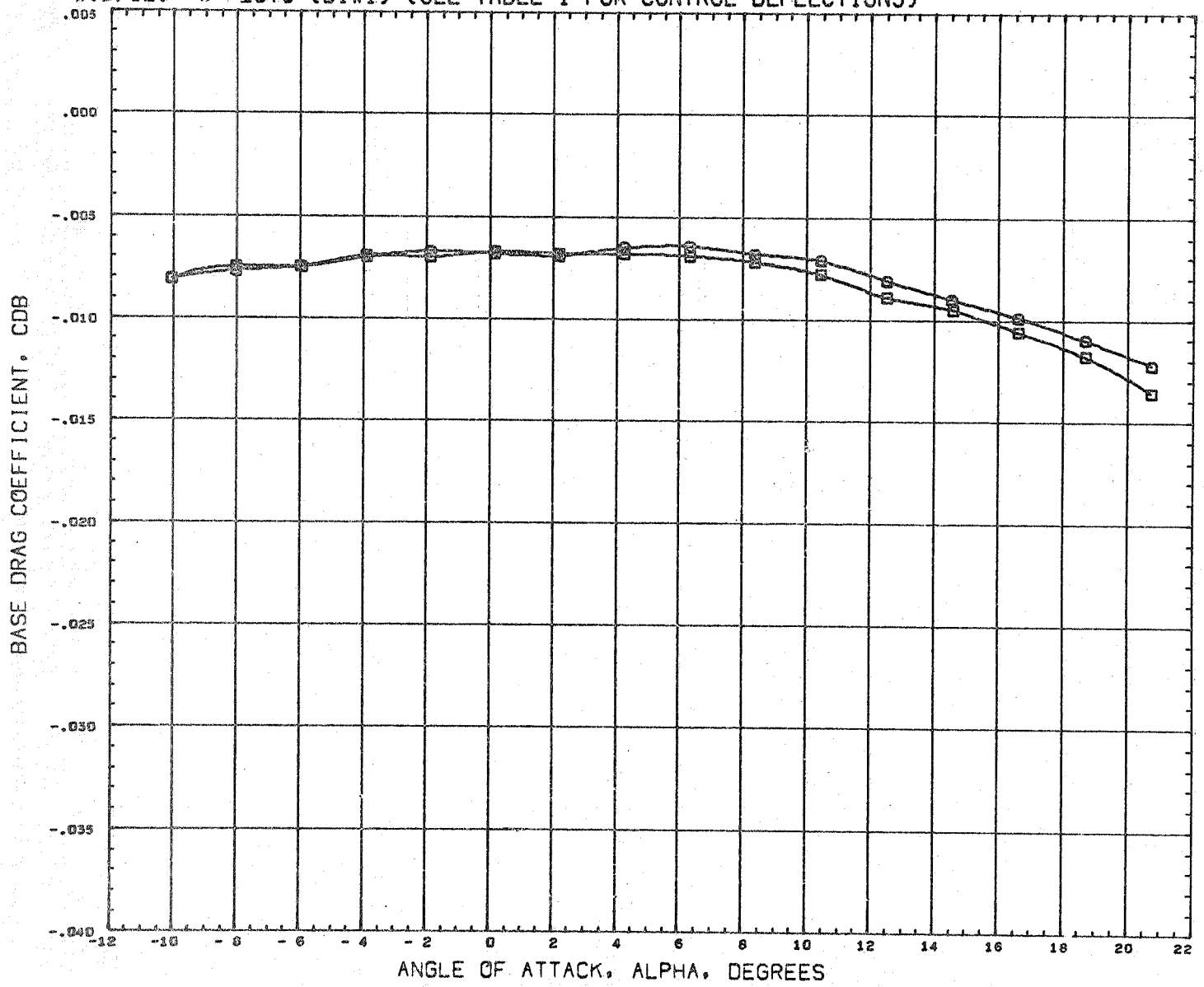
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

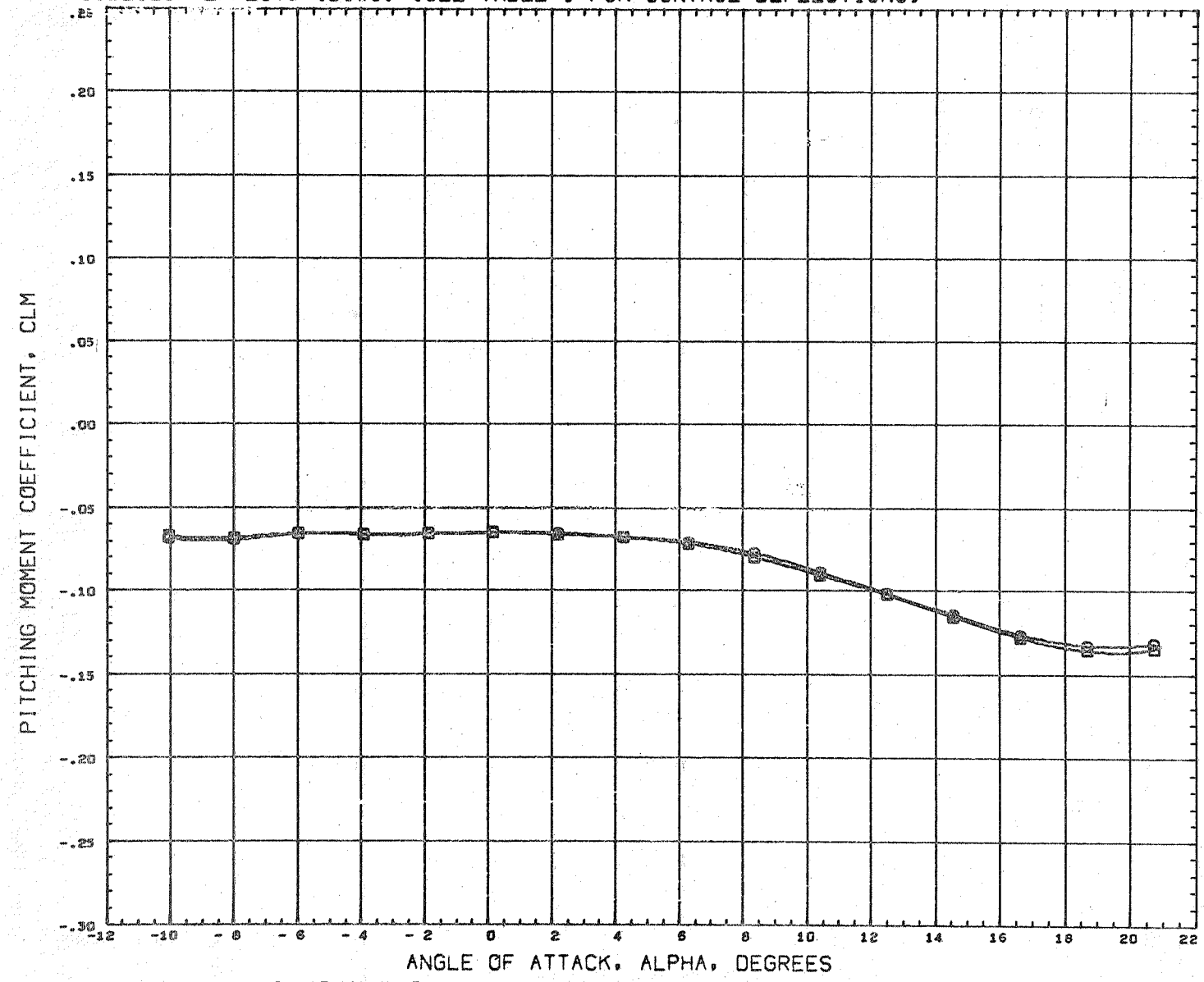
DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

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SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)

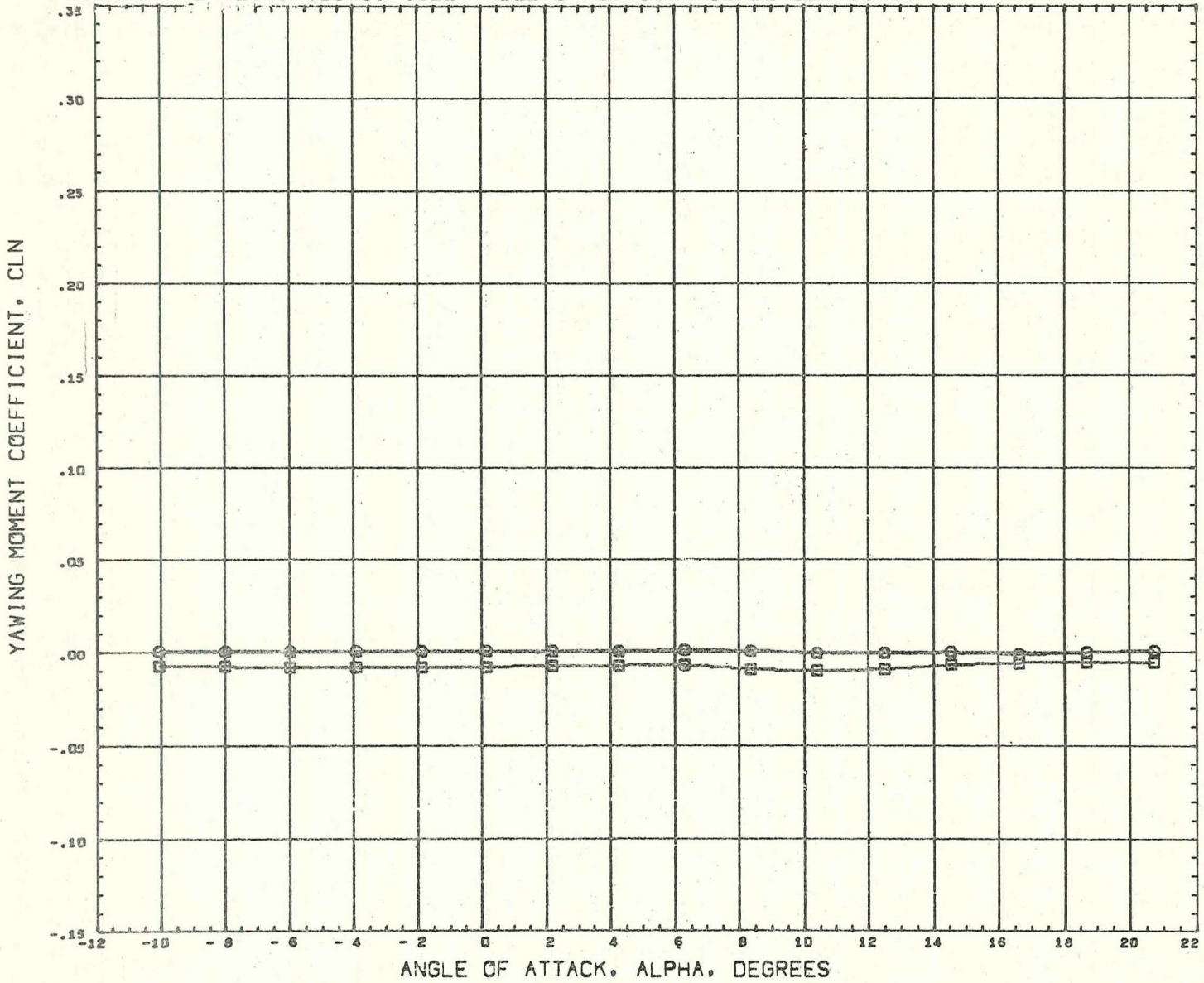


SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



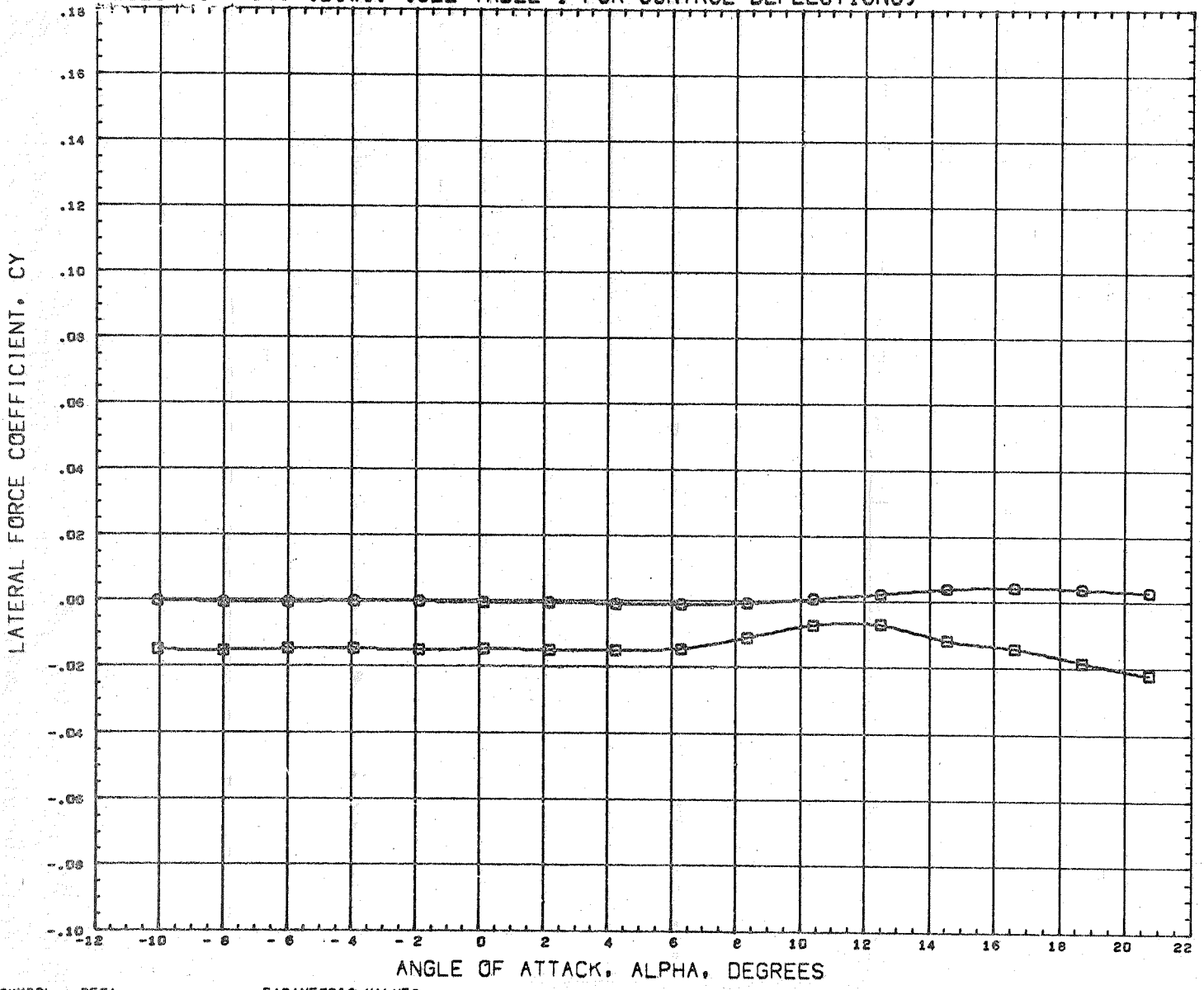
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*E

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



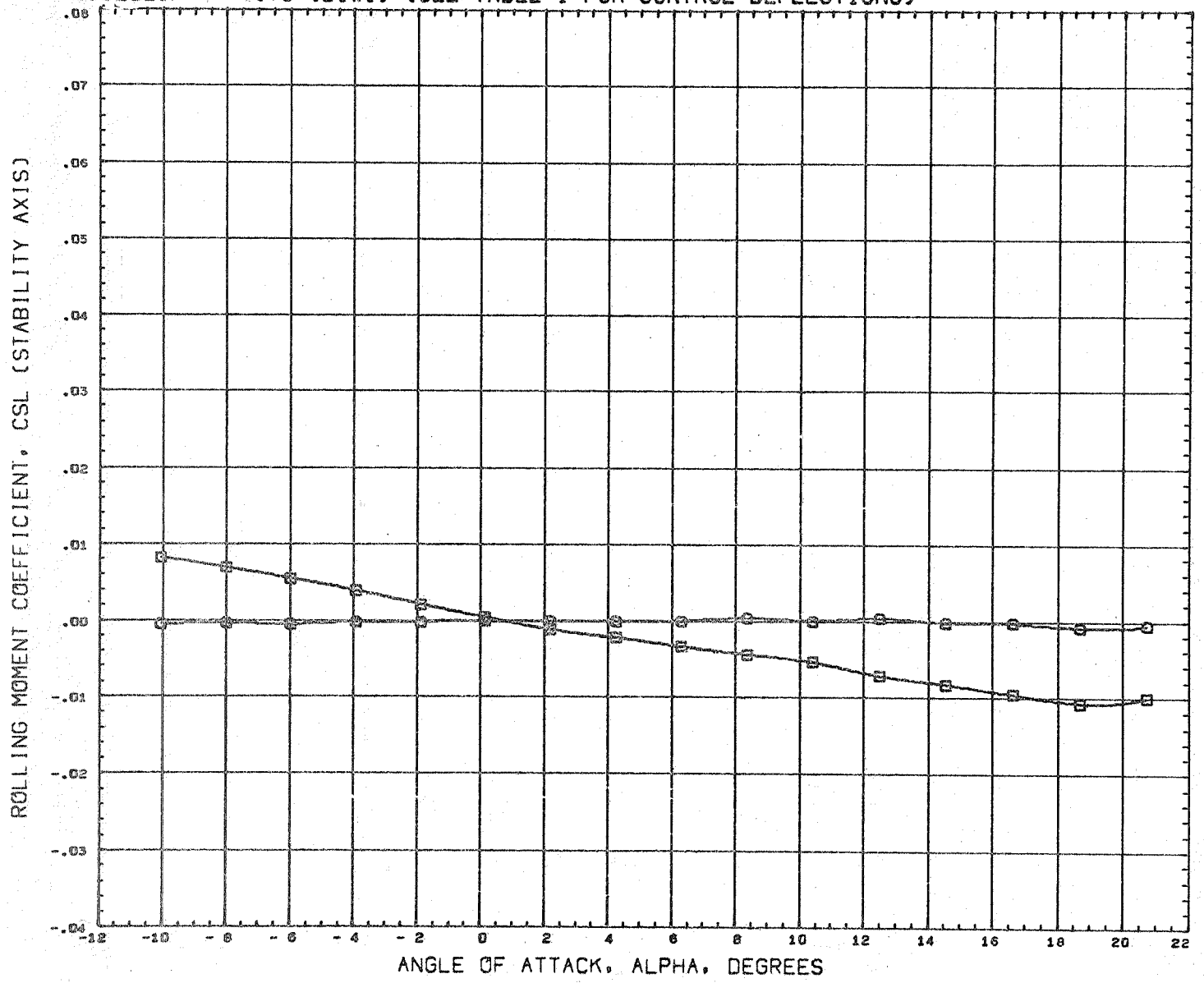
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V≠E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



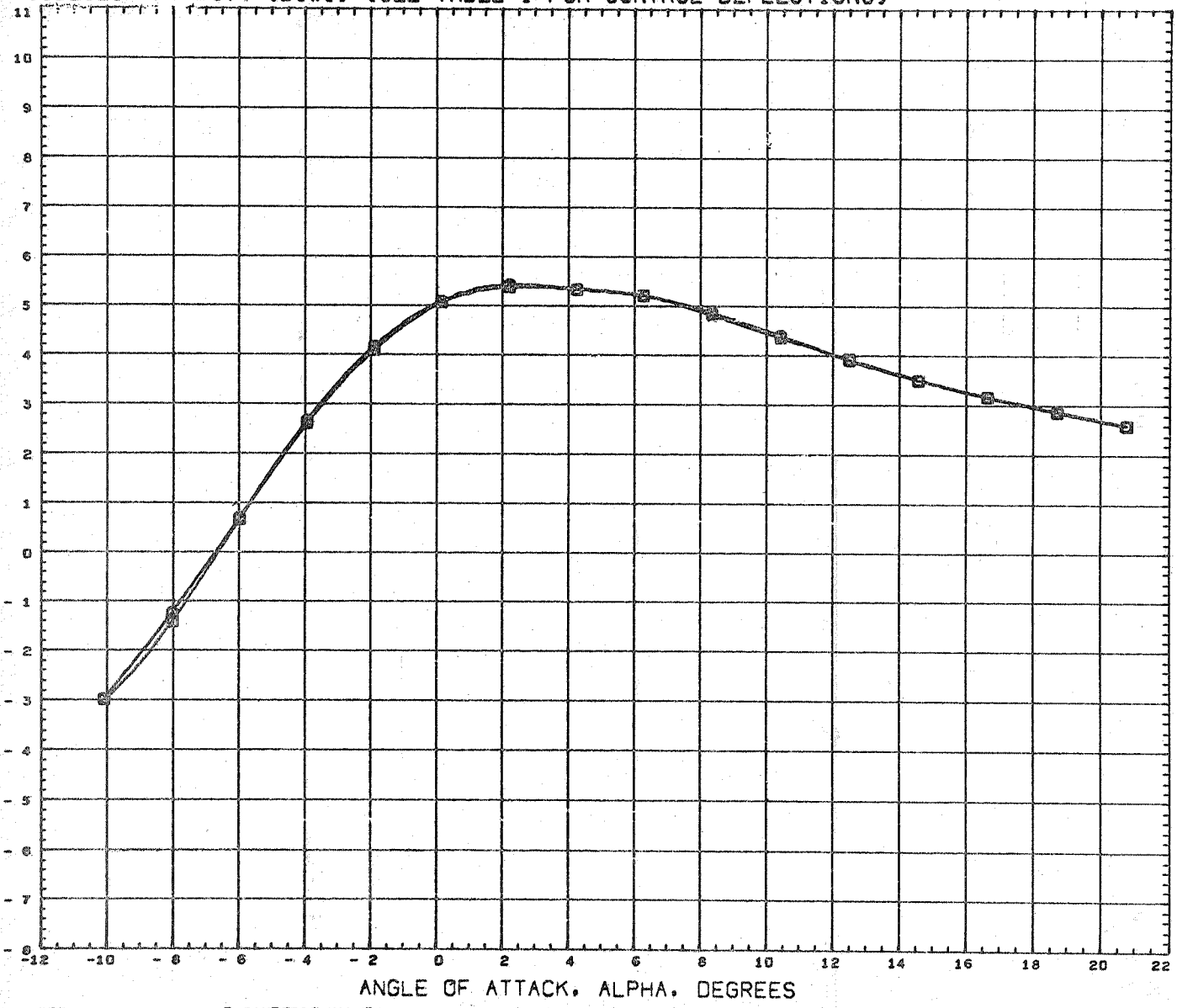
SYMBOL	BETA		PARAMETRIC VALUES		
O	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



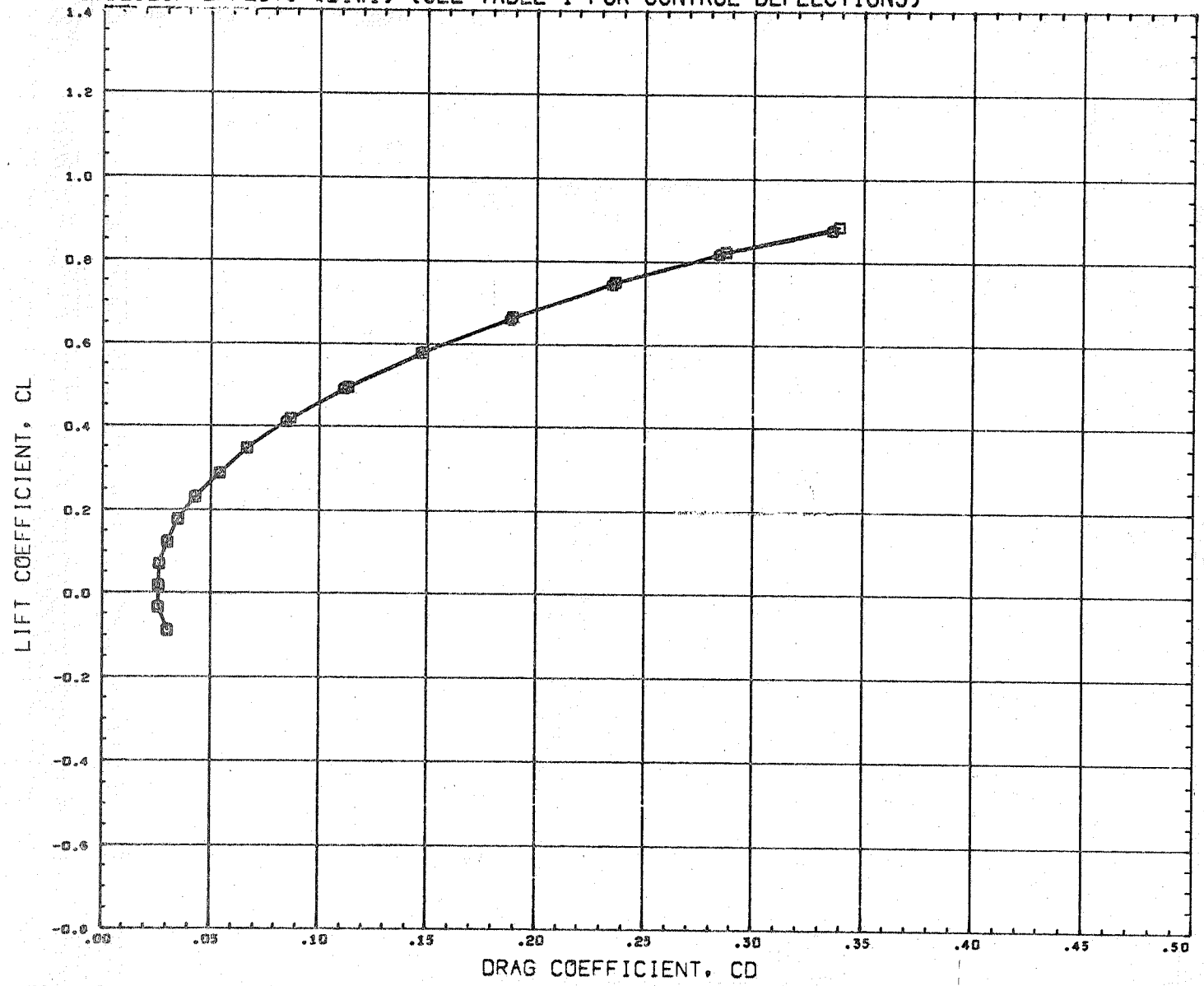
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*E

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



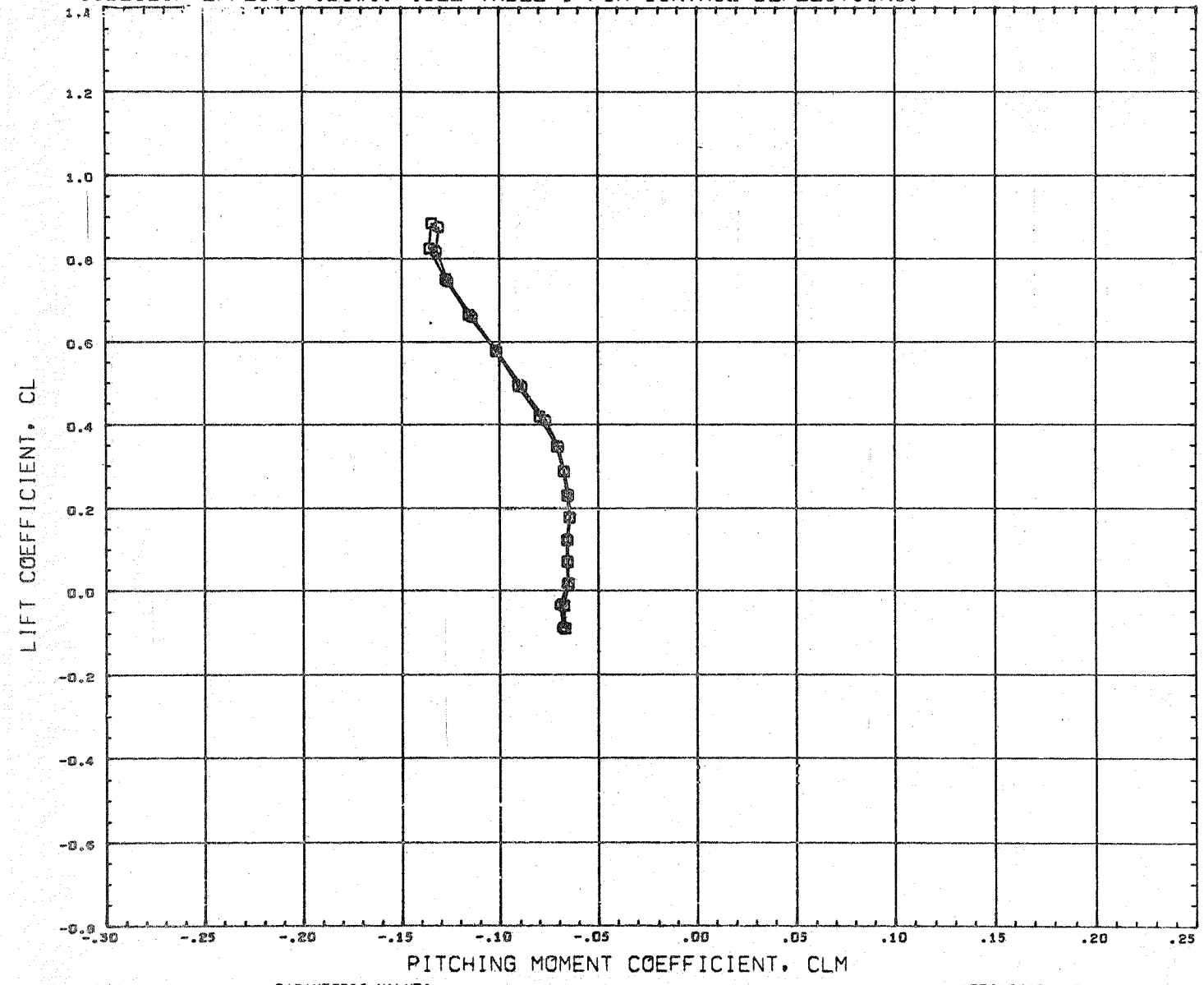
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA MIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



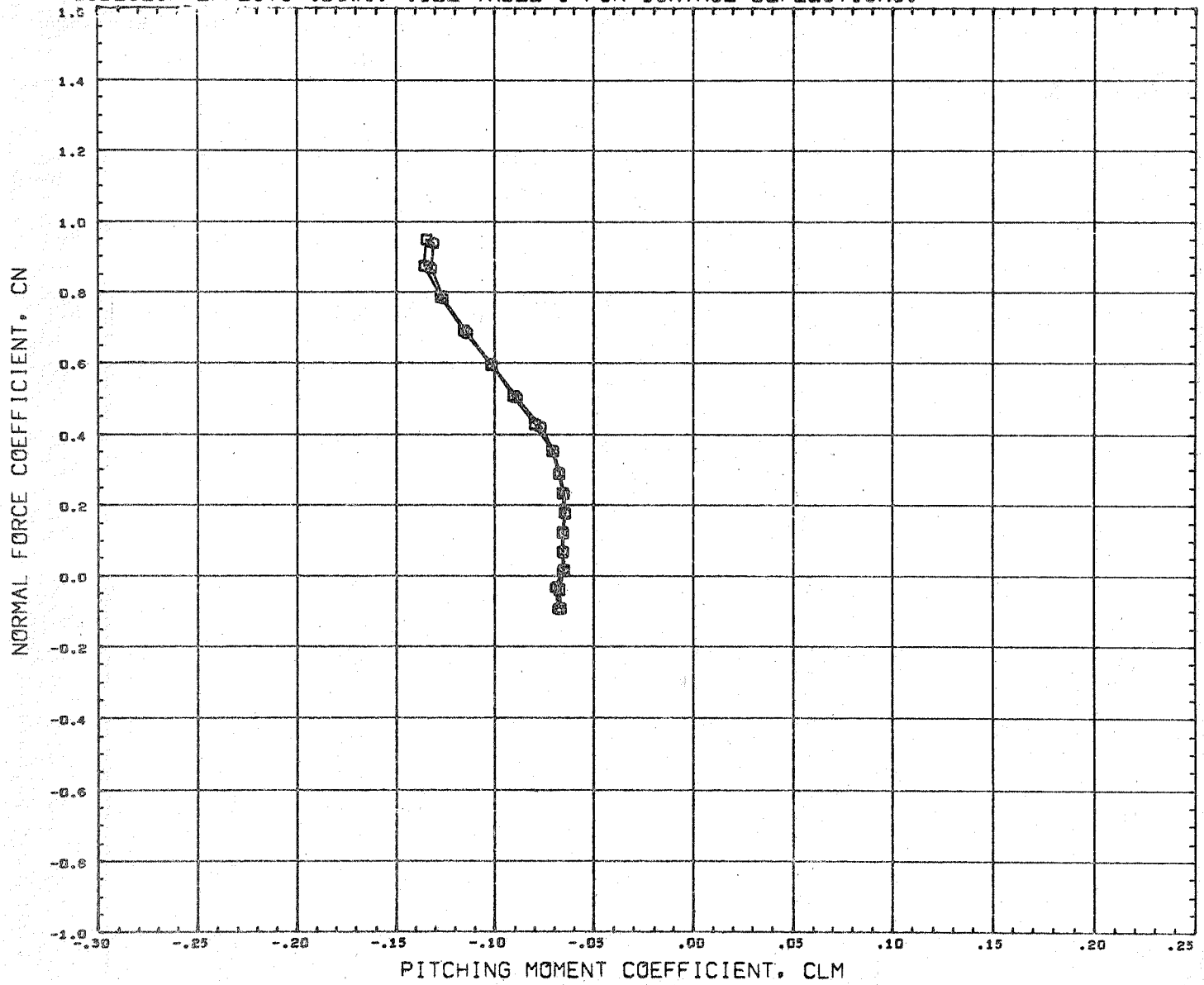
SYMBOL	BETA		PARAMETRIC VALUES		
□	0.000	Q(FSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



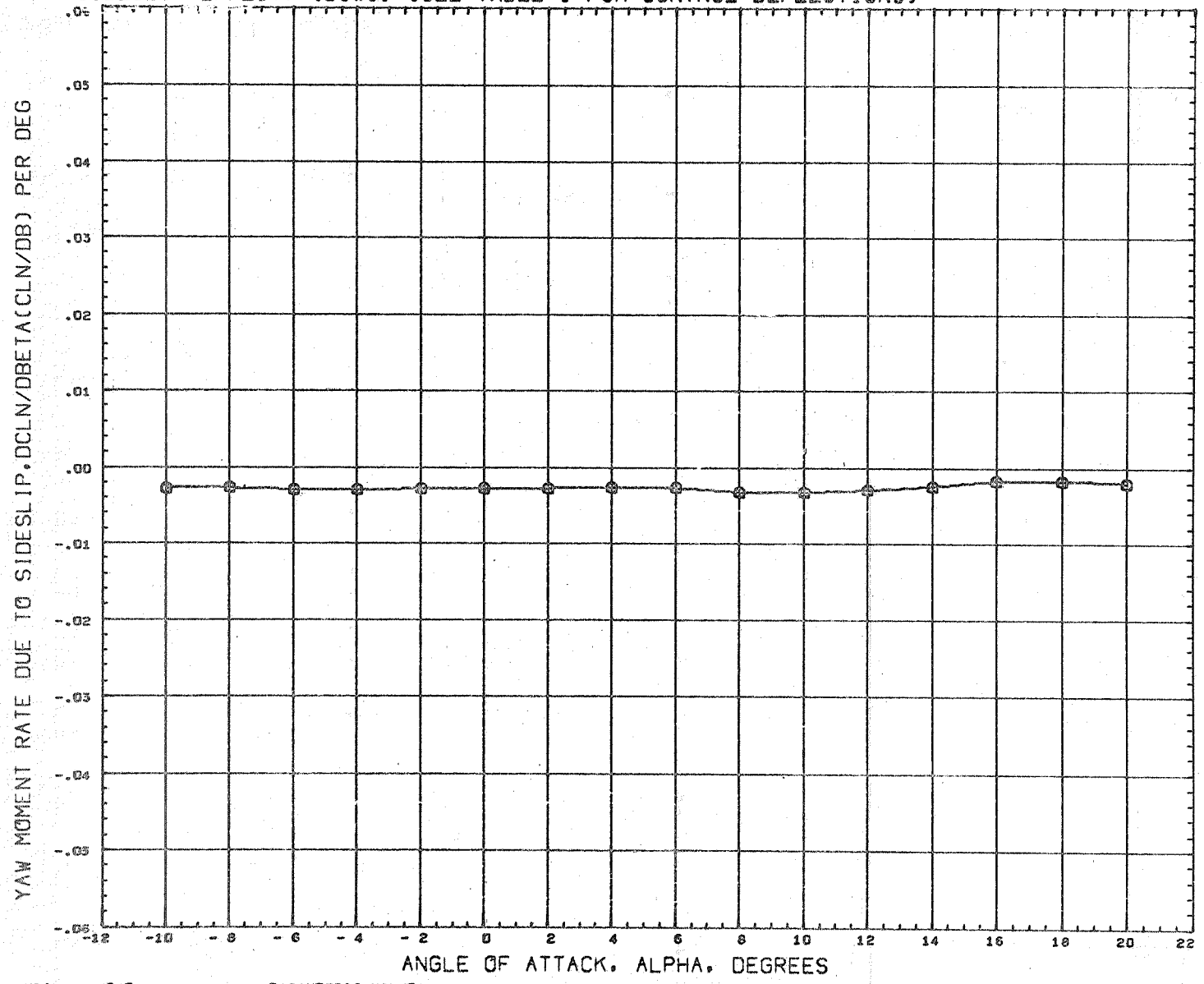
SYMBOL	BETA		PARAMETRIC VALUES		
○	0.000	Q(PSF)	40.000	ELEVTR	0.000
□	3.000	AILRON	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

DATA HIST. CODE V*E

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



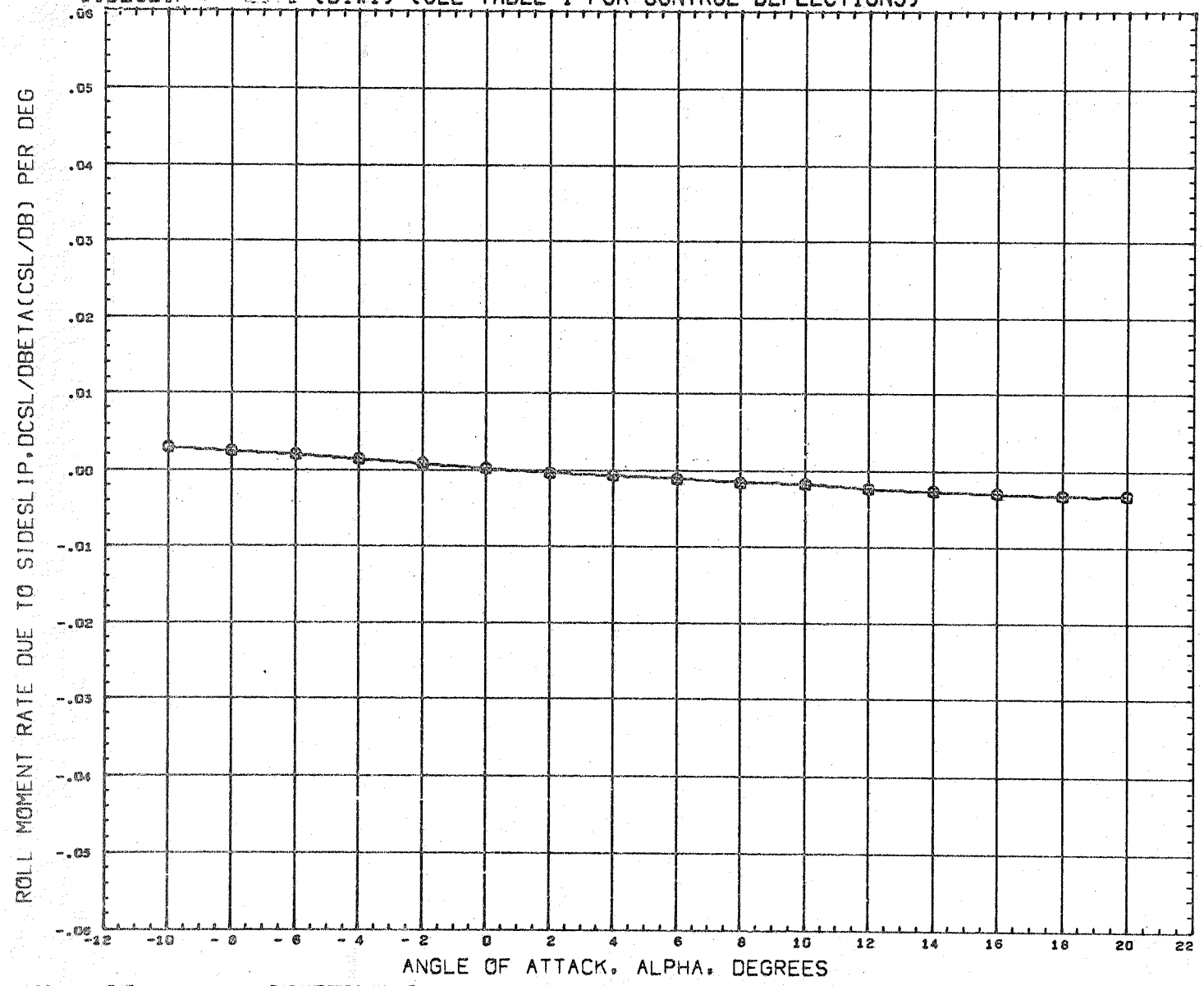
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000		

DATA HIST. CODE *F

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



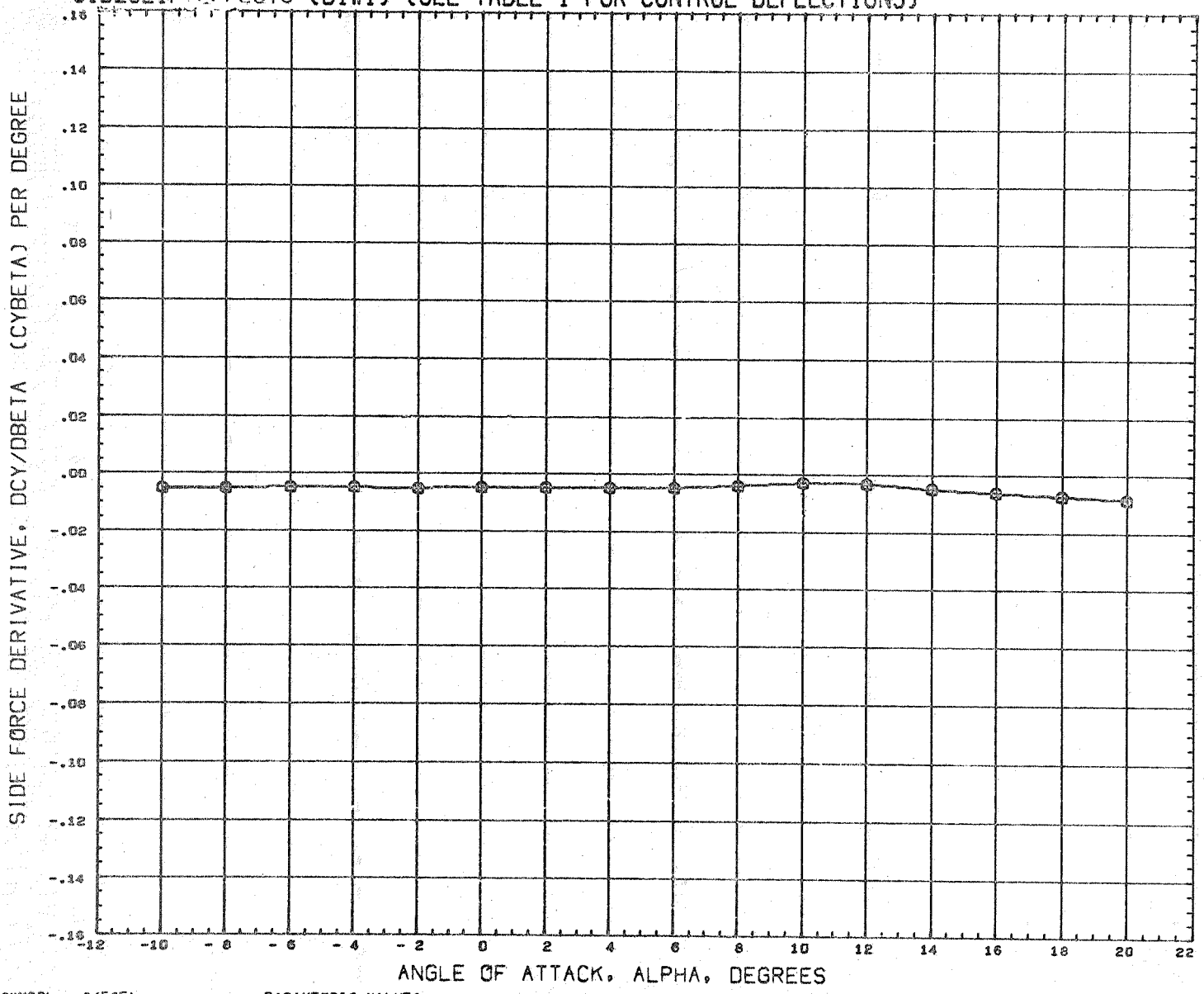
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000		

DATA HIST. CODE *P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

SIDESLIP EFFECTS (B1W1) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



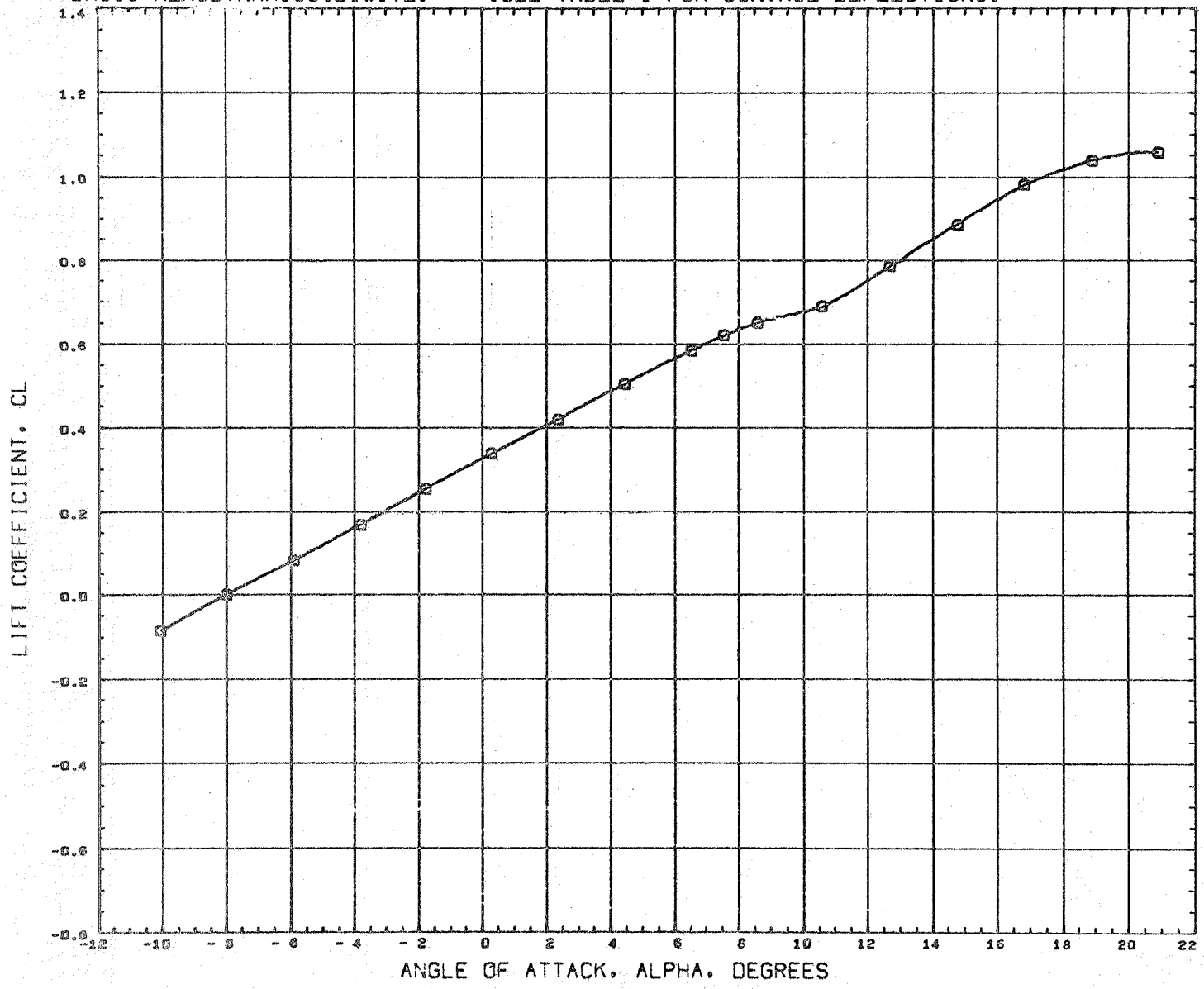
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000		

DATA HIST. CODE #P

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



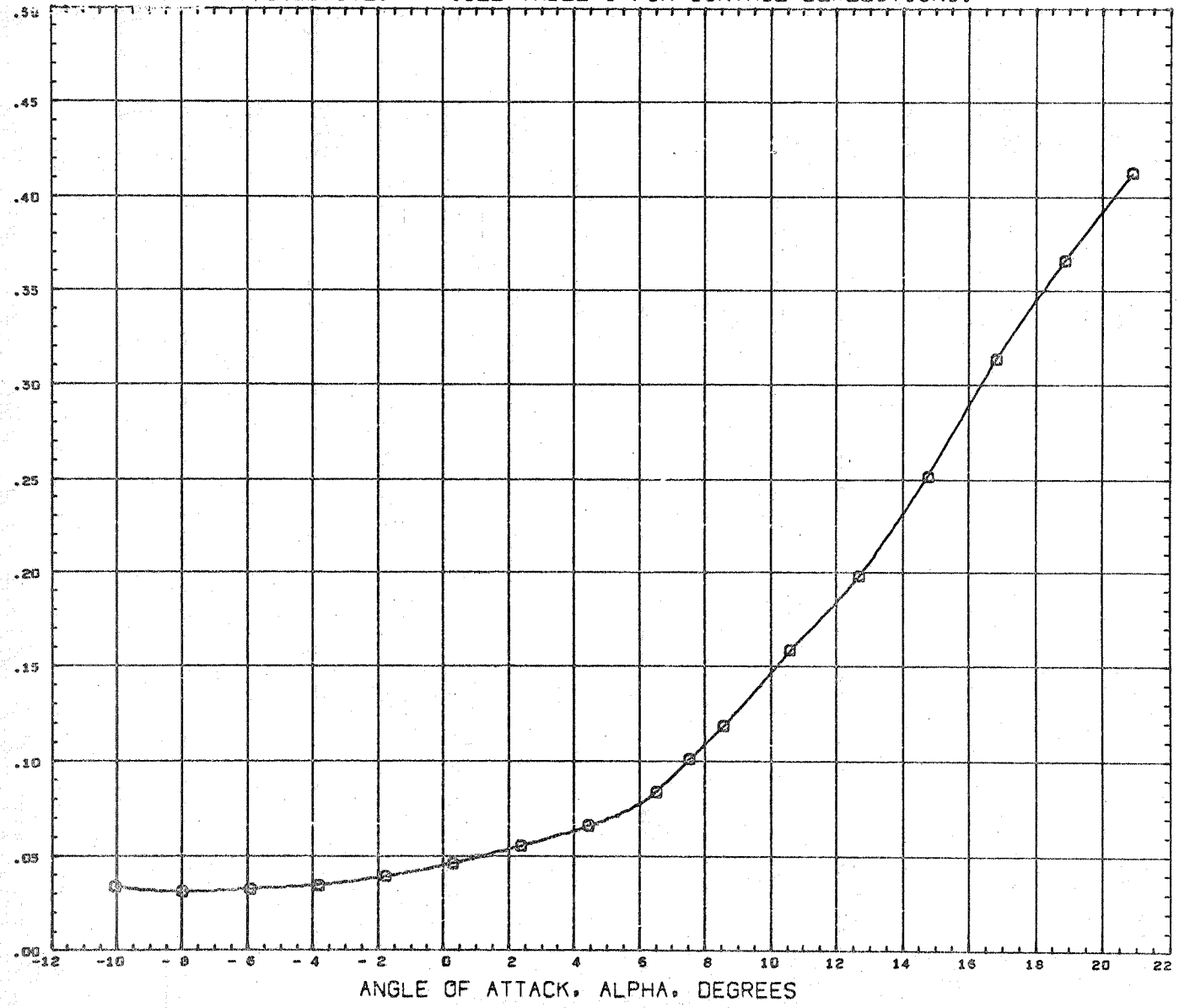
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



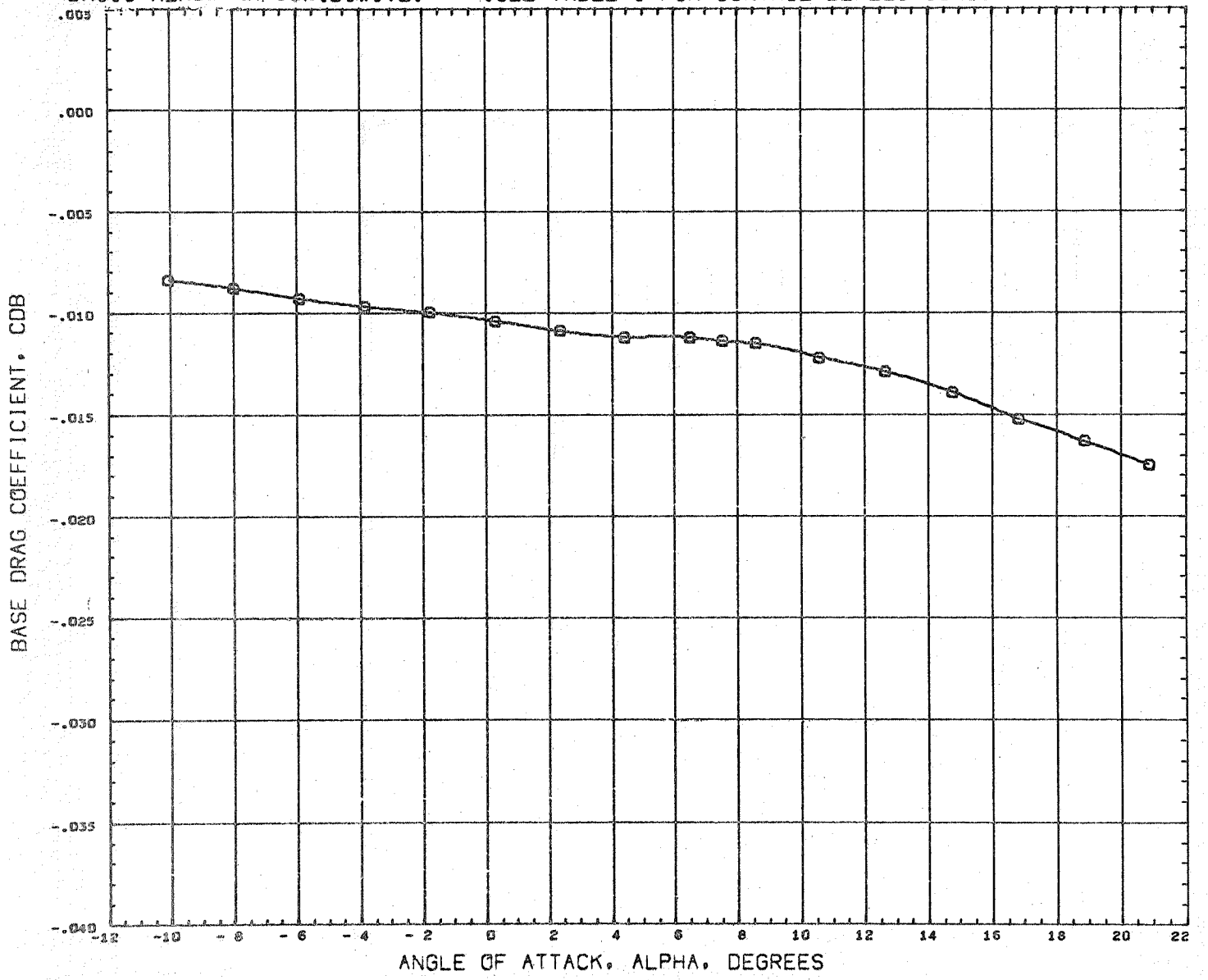
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



SYMBOL	Q(PSF)
O	40.000

PARAMETRIC VALUES

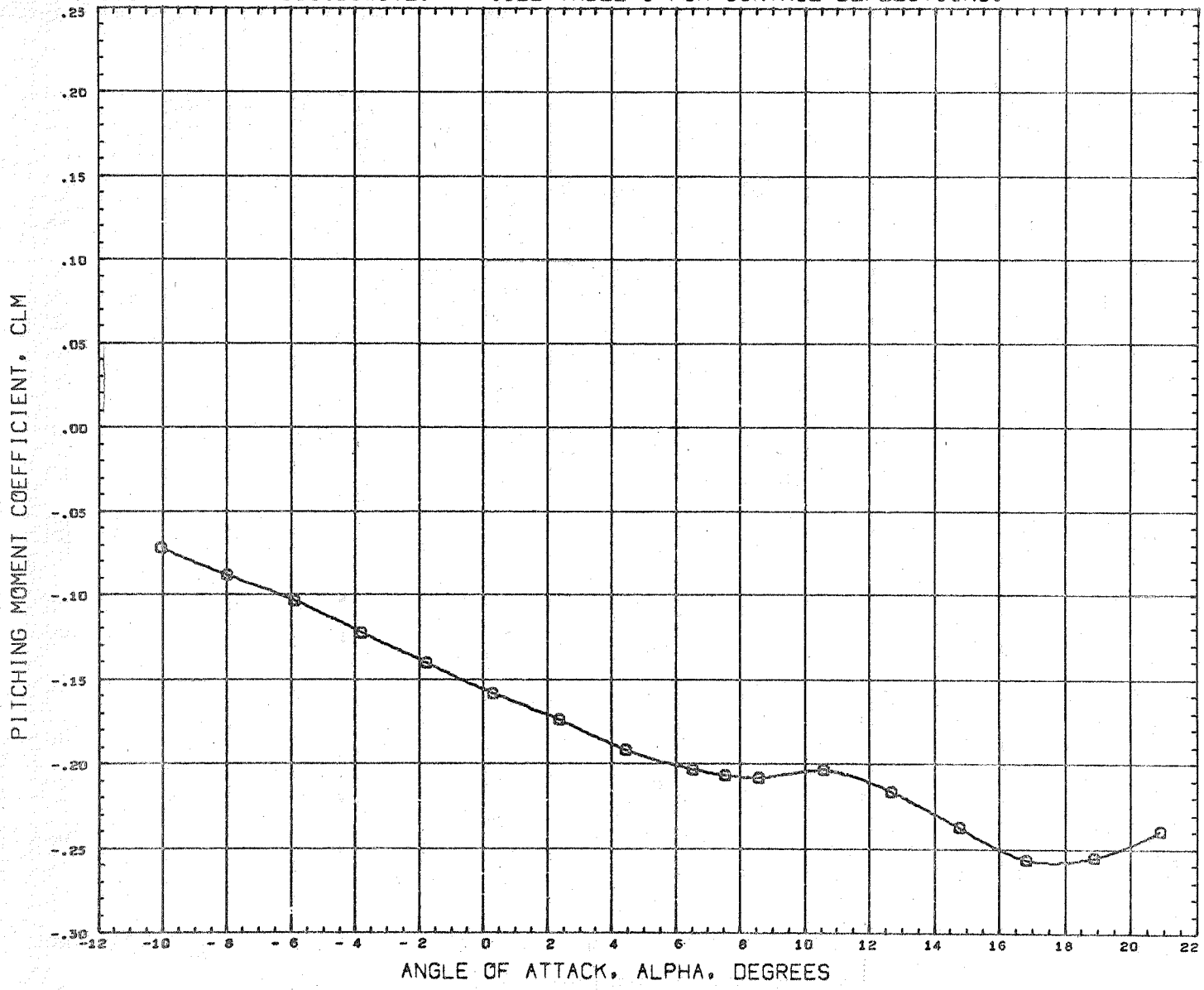
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	5.000
RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



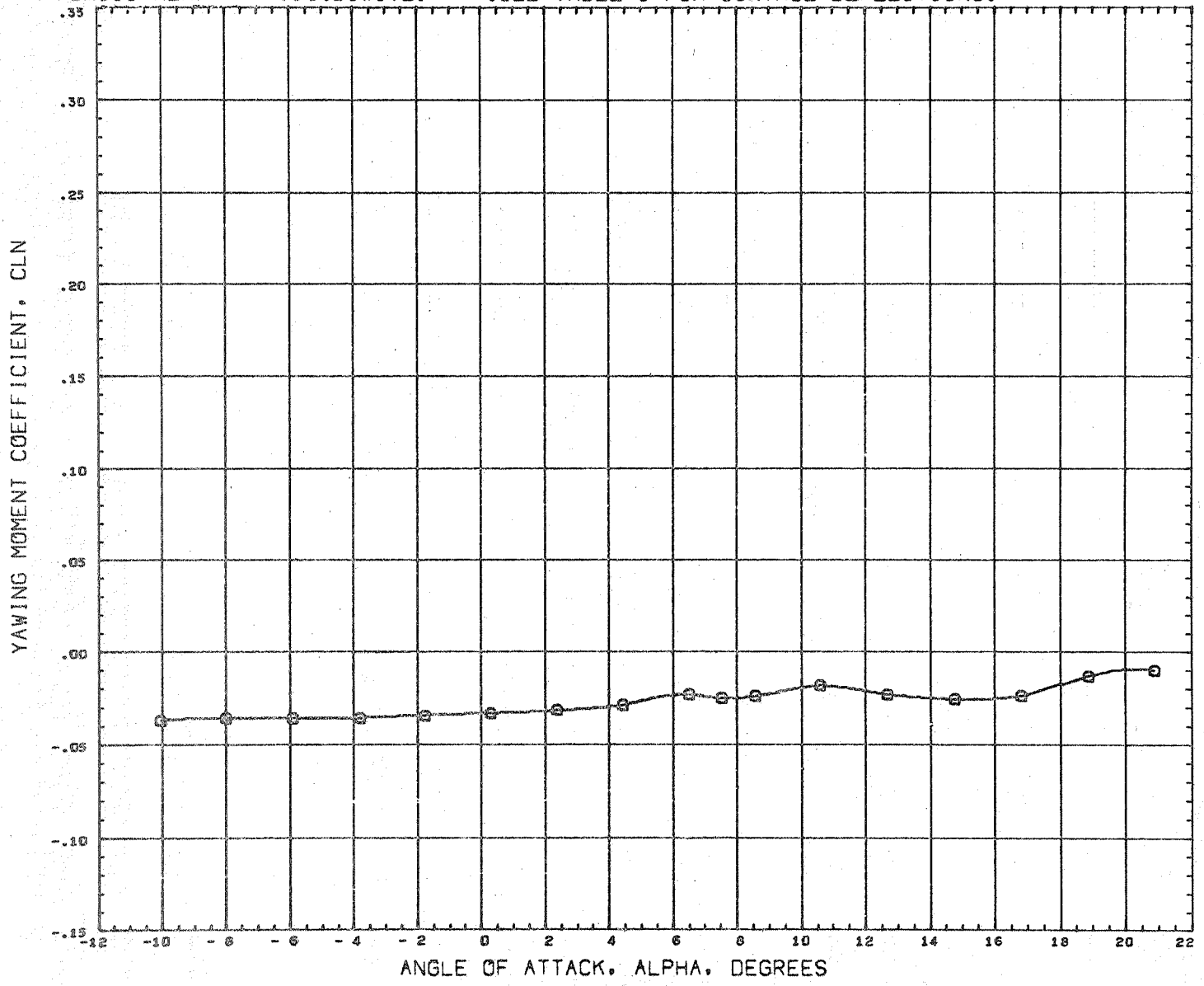
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



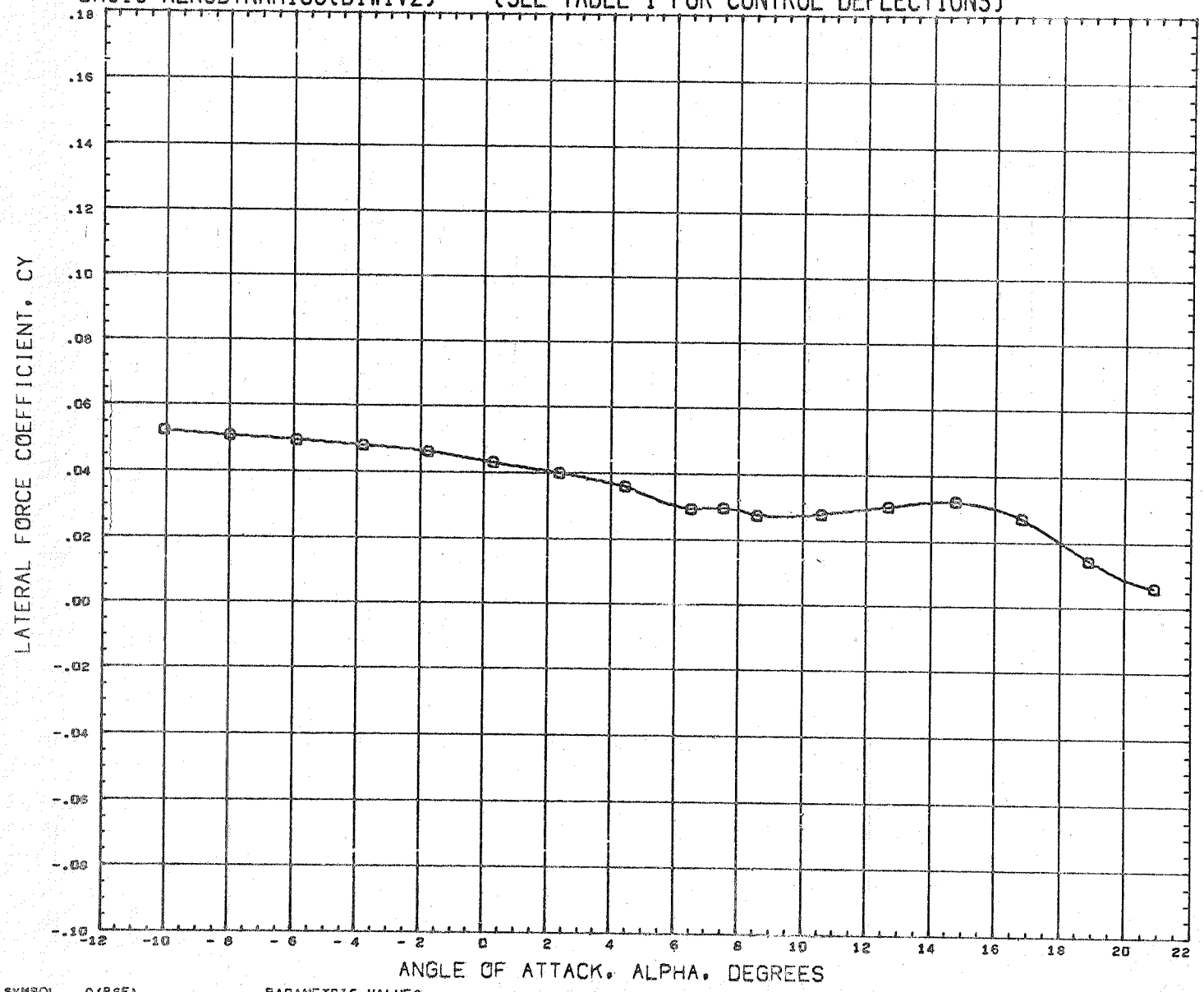
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL -	5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



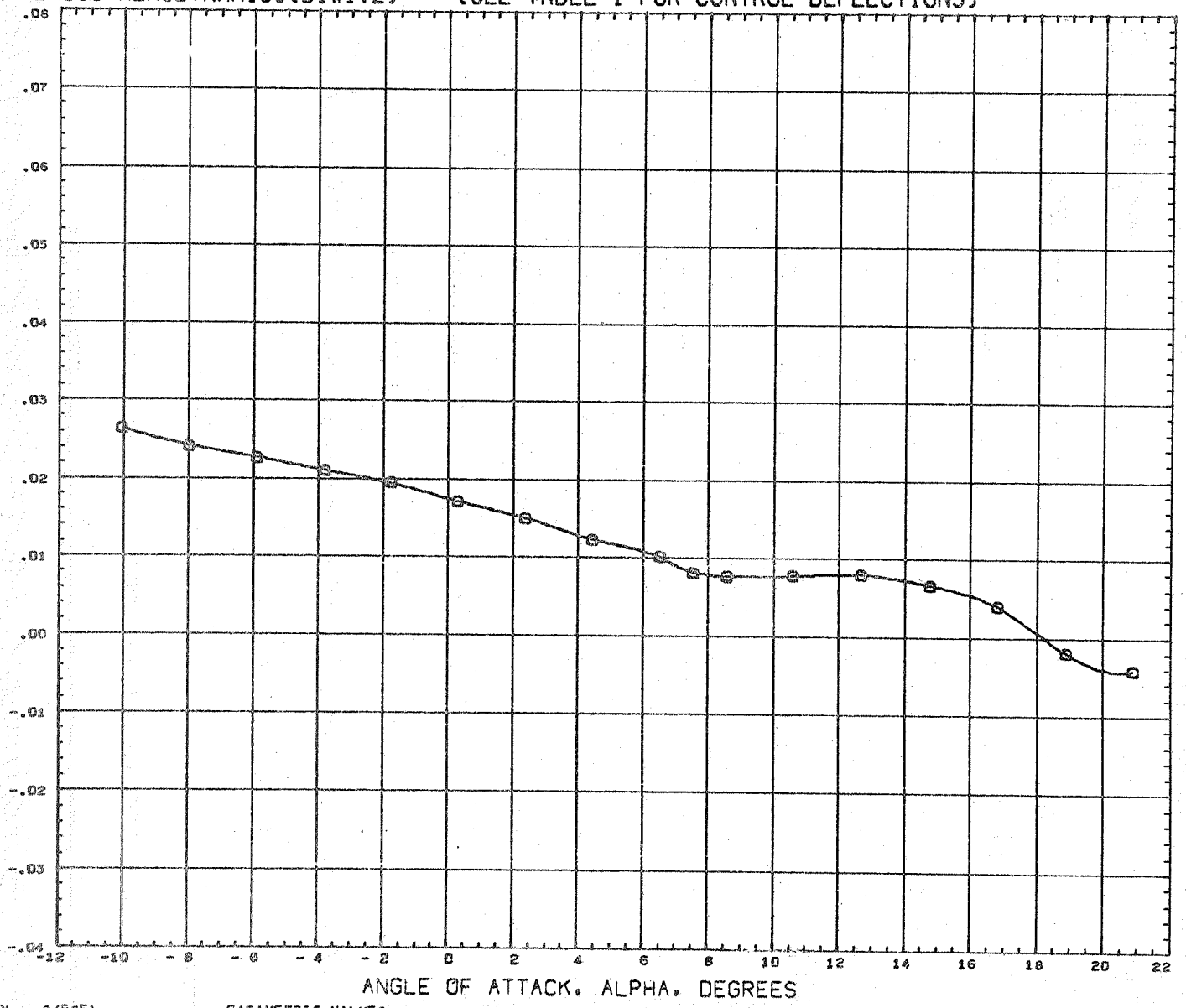
SYMBOL	Q(PSF)		PARAMETRIC VALUES		
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



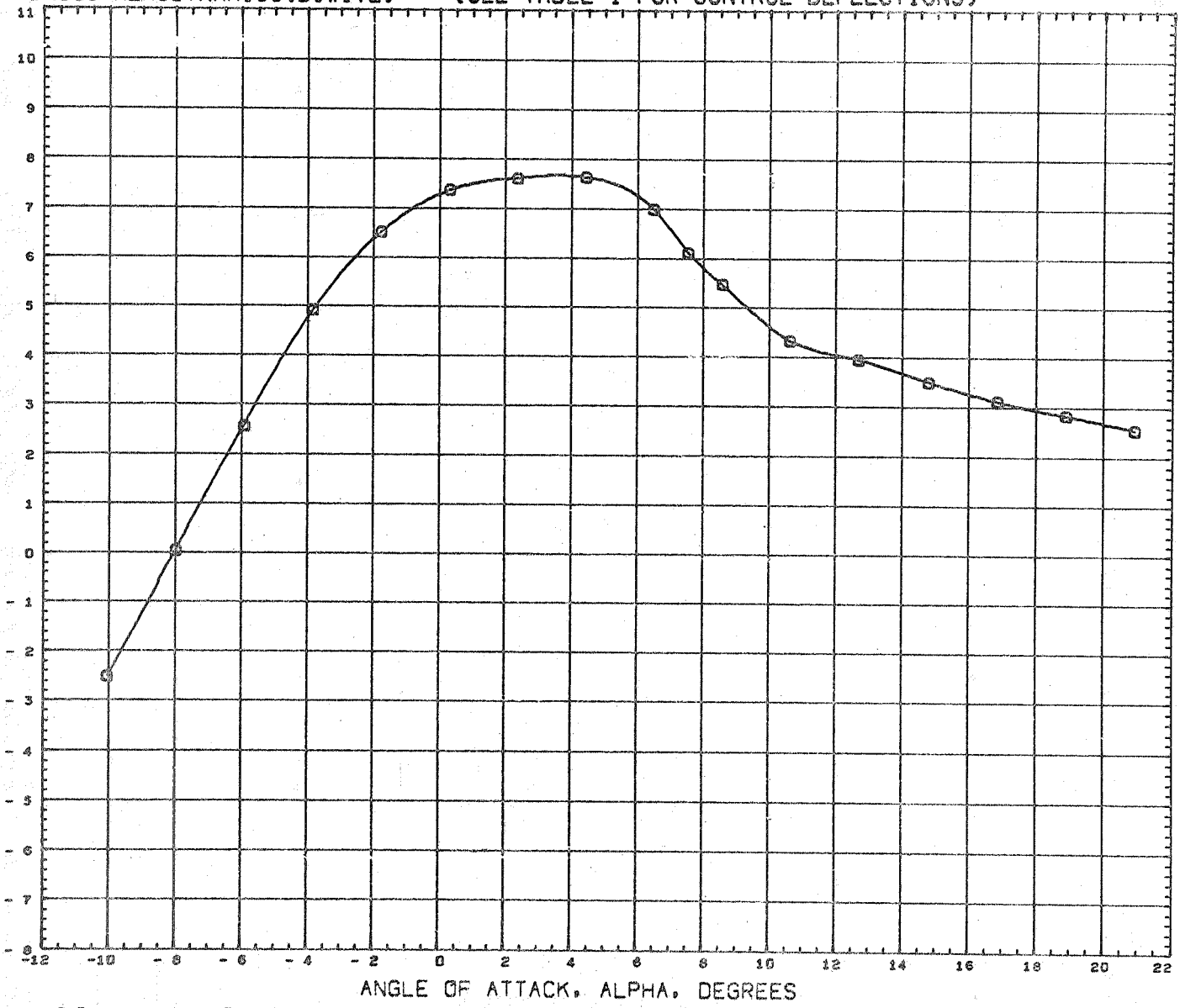
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



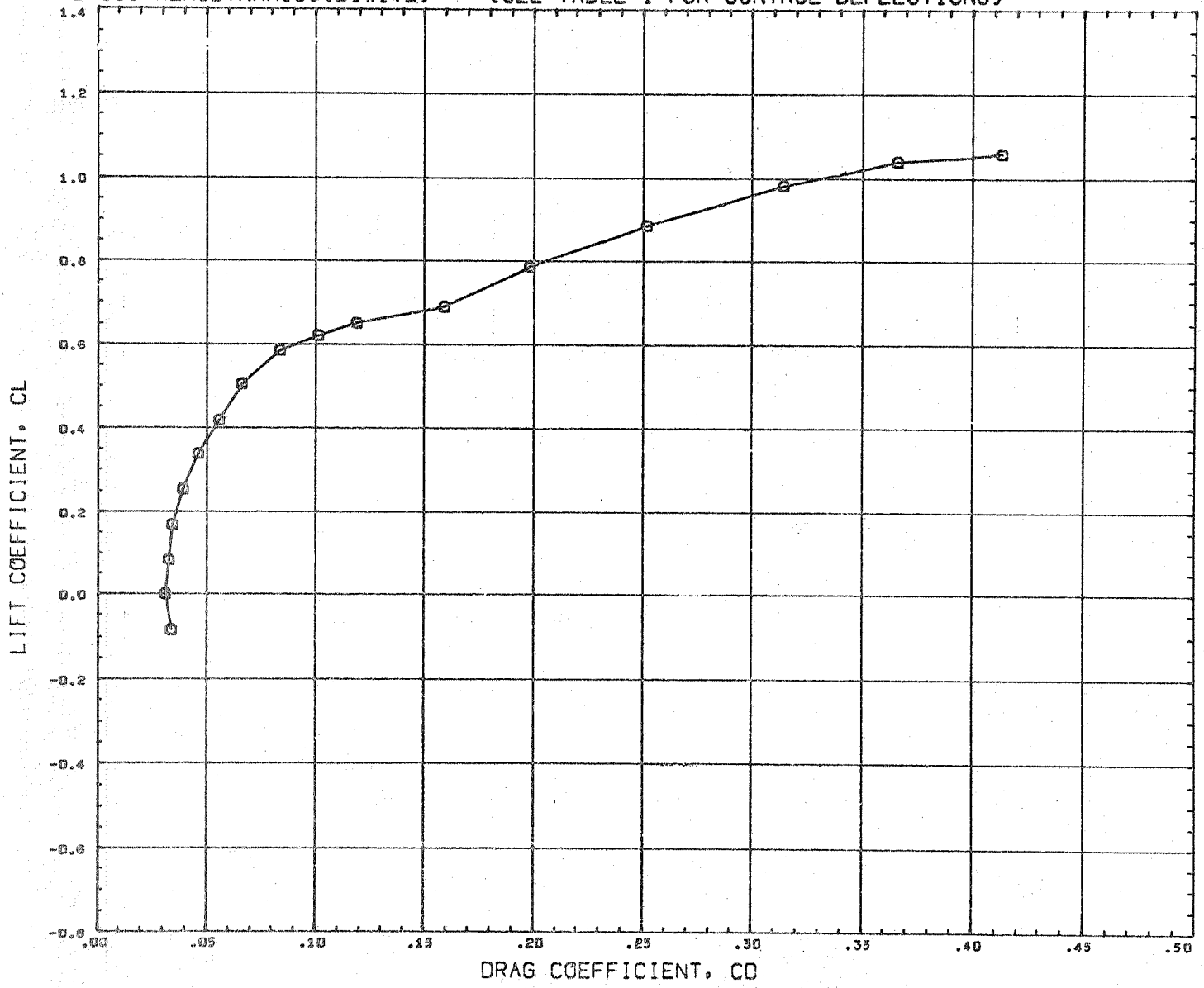
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL	- 5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



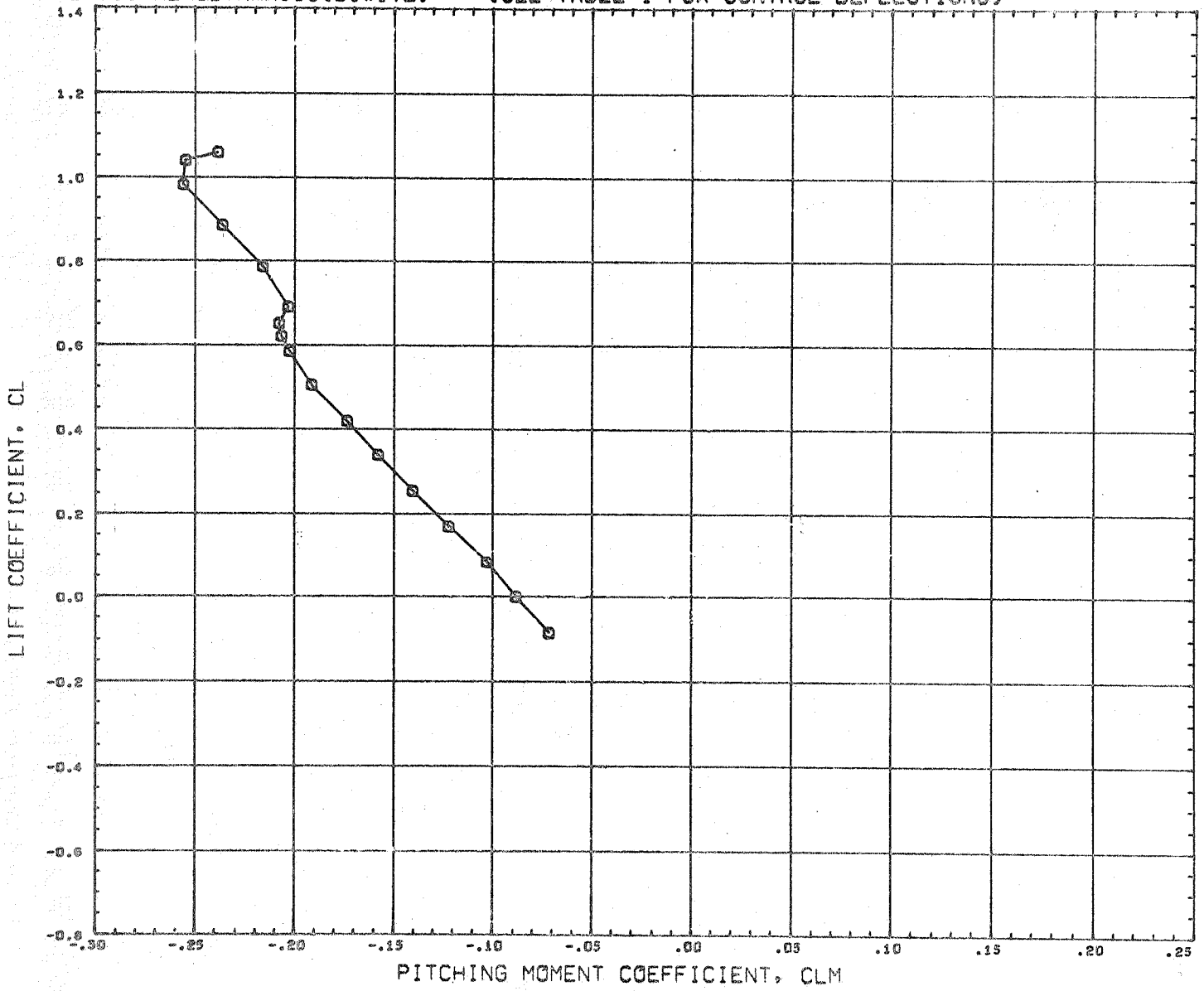
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL -	5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



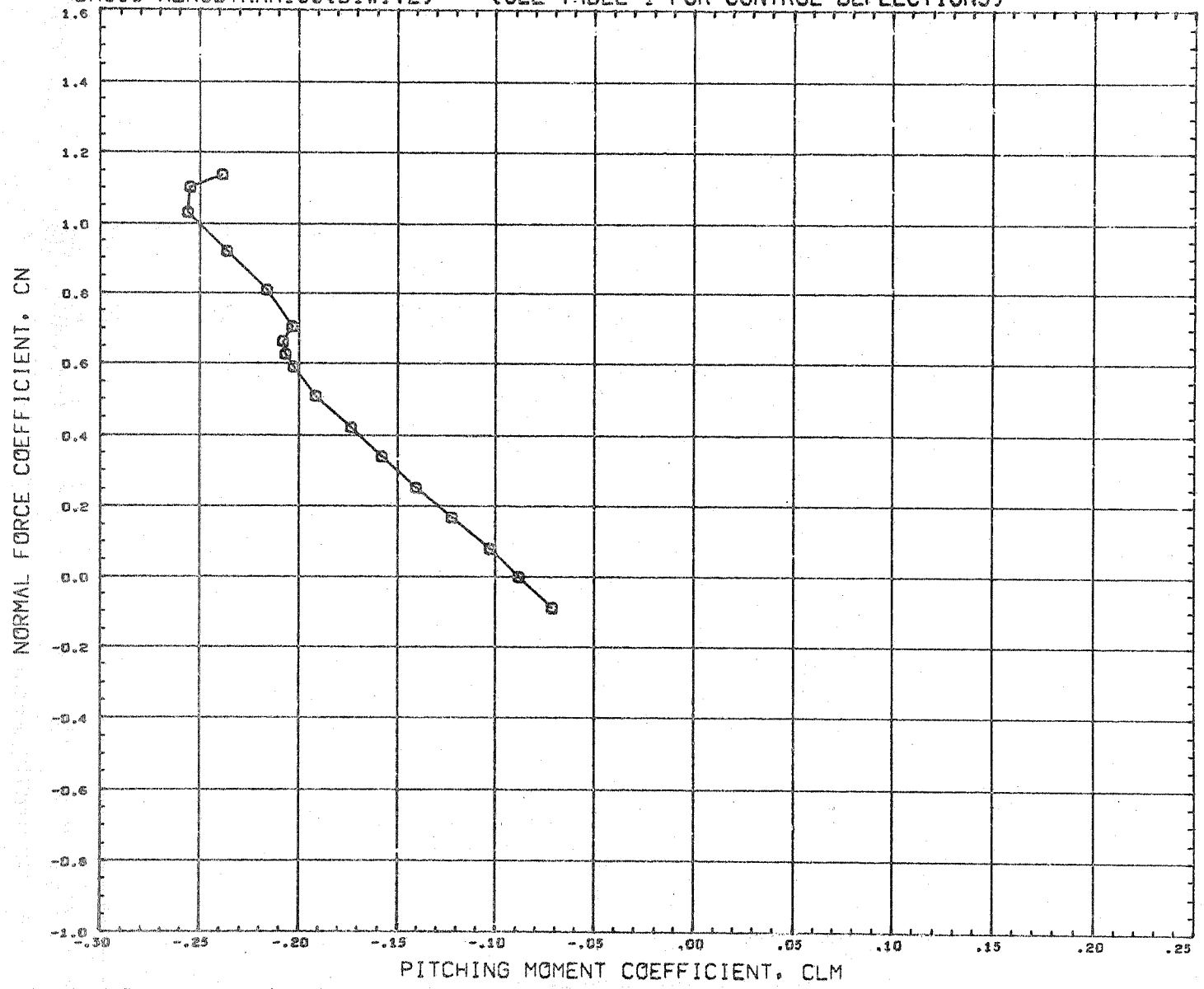
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL -	5.000		

DATA HIST. CODE V*E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

BASIC AERODYNAMICS(B1W1V2) (SEE TABLE 1 FOR CONTROL DEFLECTIONS)



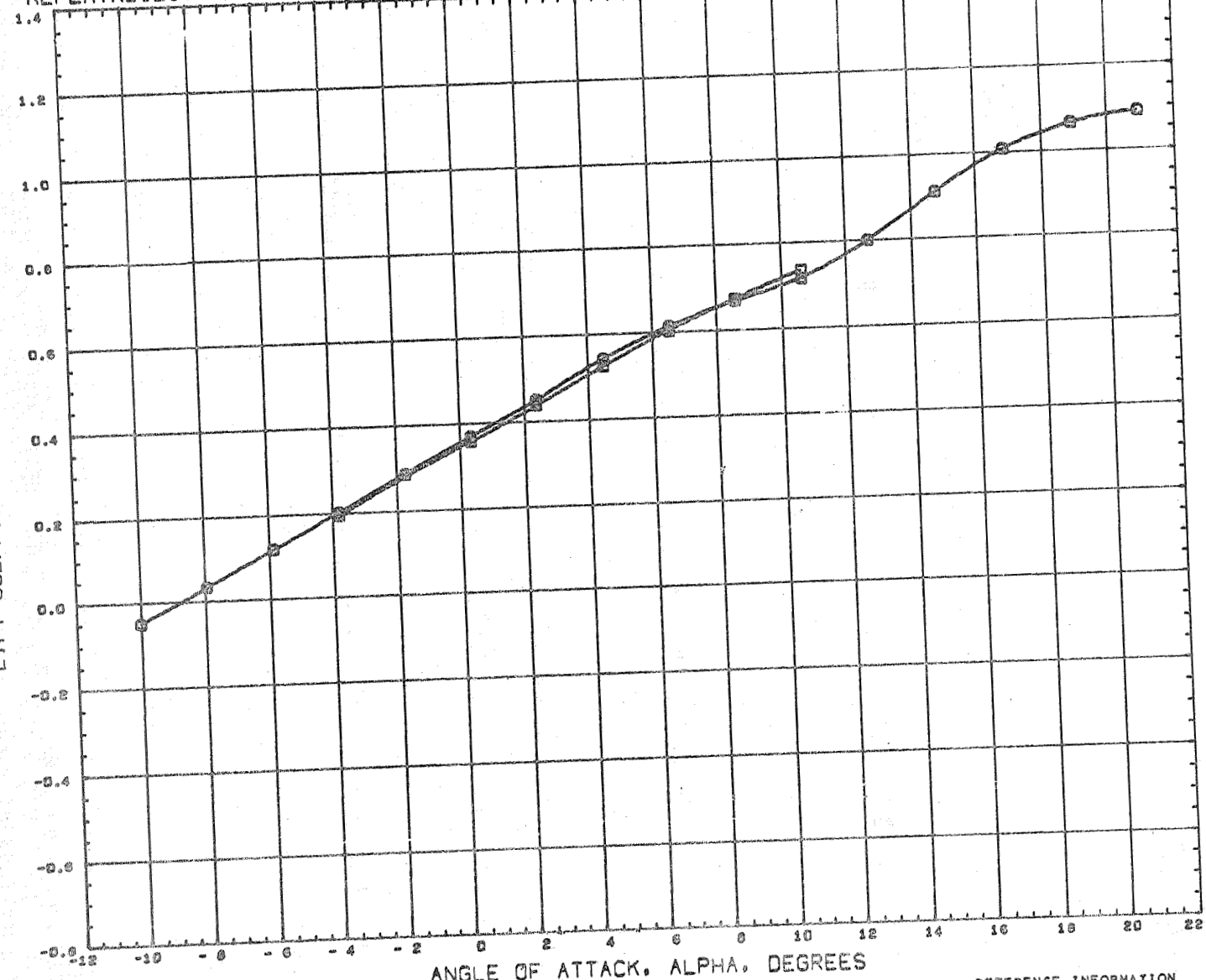
SYMBOL	Q(PSF)	PARAMETRIC VALUES			
O	40.000	BETA	0.000	ELEVTR	0.000
		AILRON	0.000	RUDDER	5.000
		RUDDFL -	5.000		

DATA HIST. CODE V#E

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40 TUFTS
(CCBD27)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1

PARAMETRIC VALUES

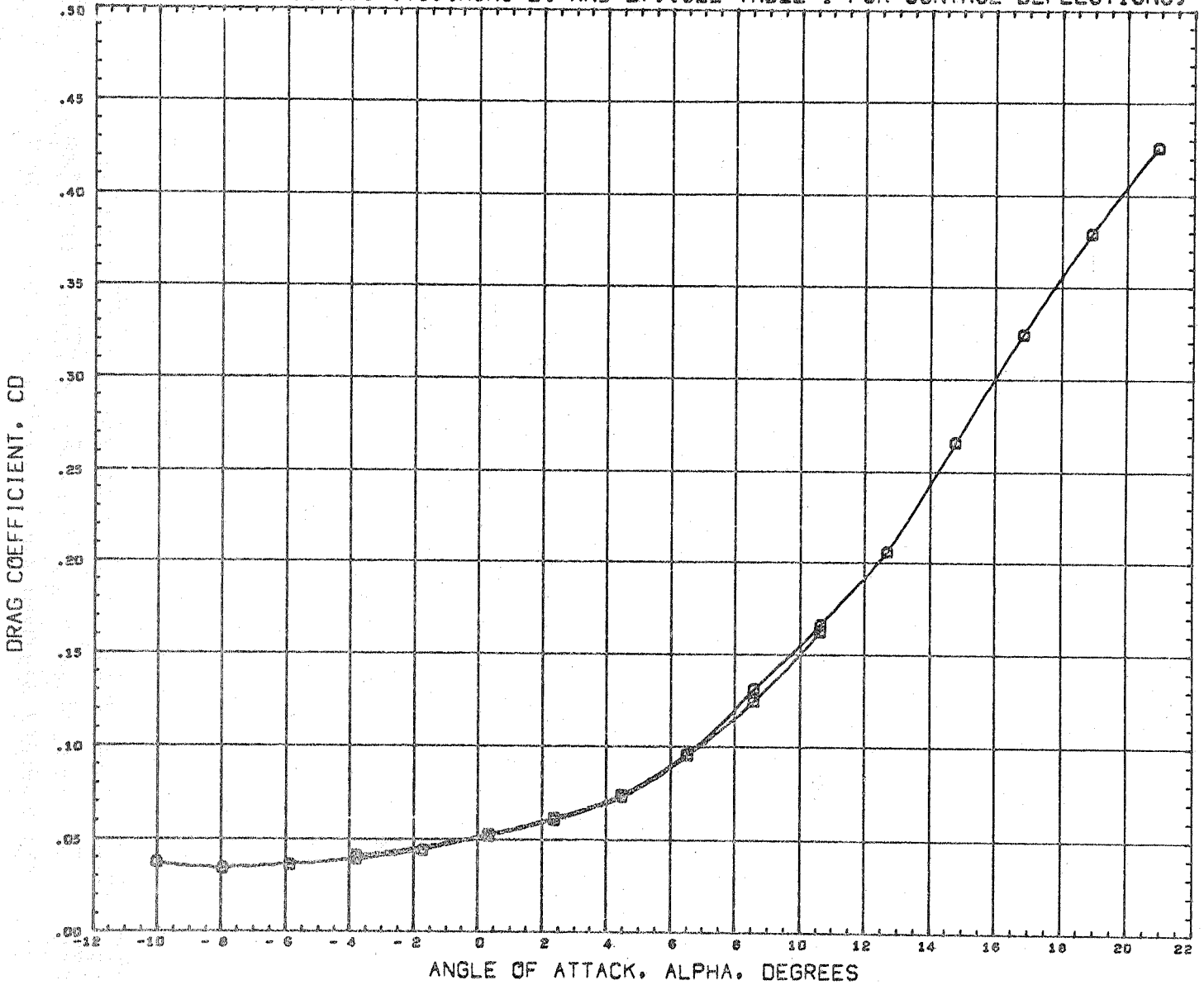
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5600	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DC8D20)	○	NCAIR LSWT 235 MDC SYS ORB(D2) B1W1V1 Q= 40
(CC8D27)	□	NCAIR LSWT 235 MDC SYS ORB(D2) B1W1V1 TUFTS

Q(PSF) 40.000

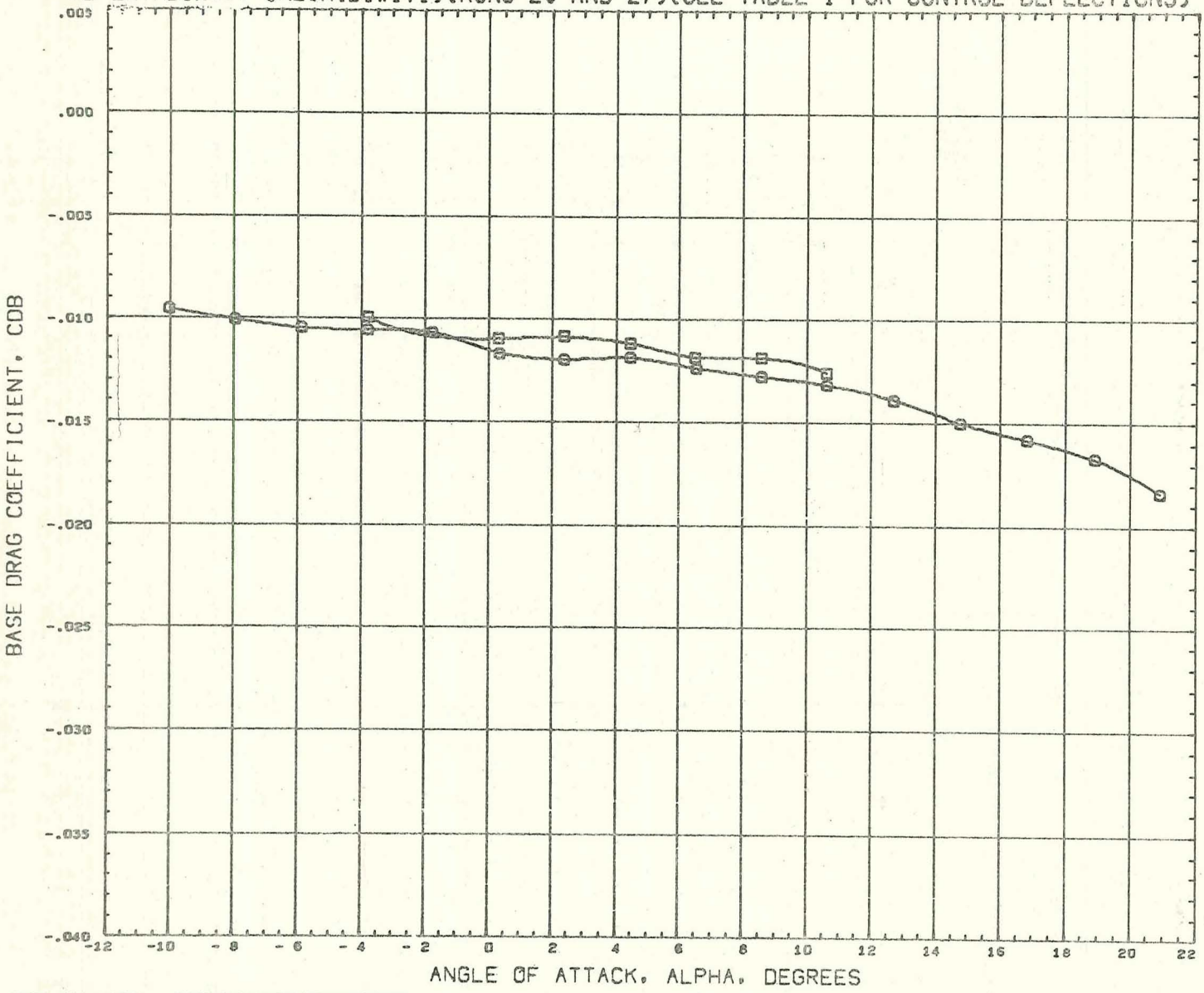
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD27)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

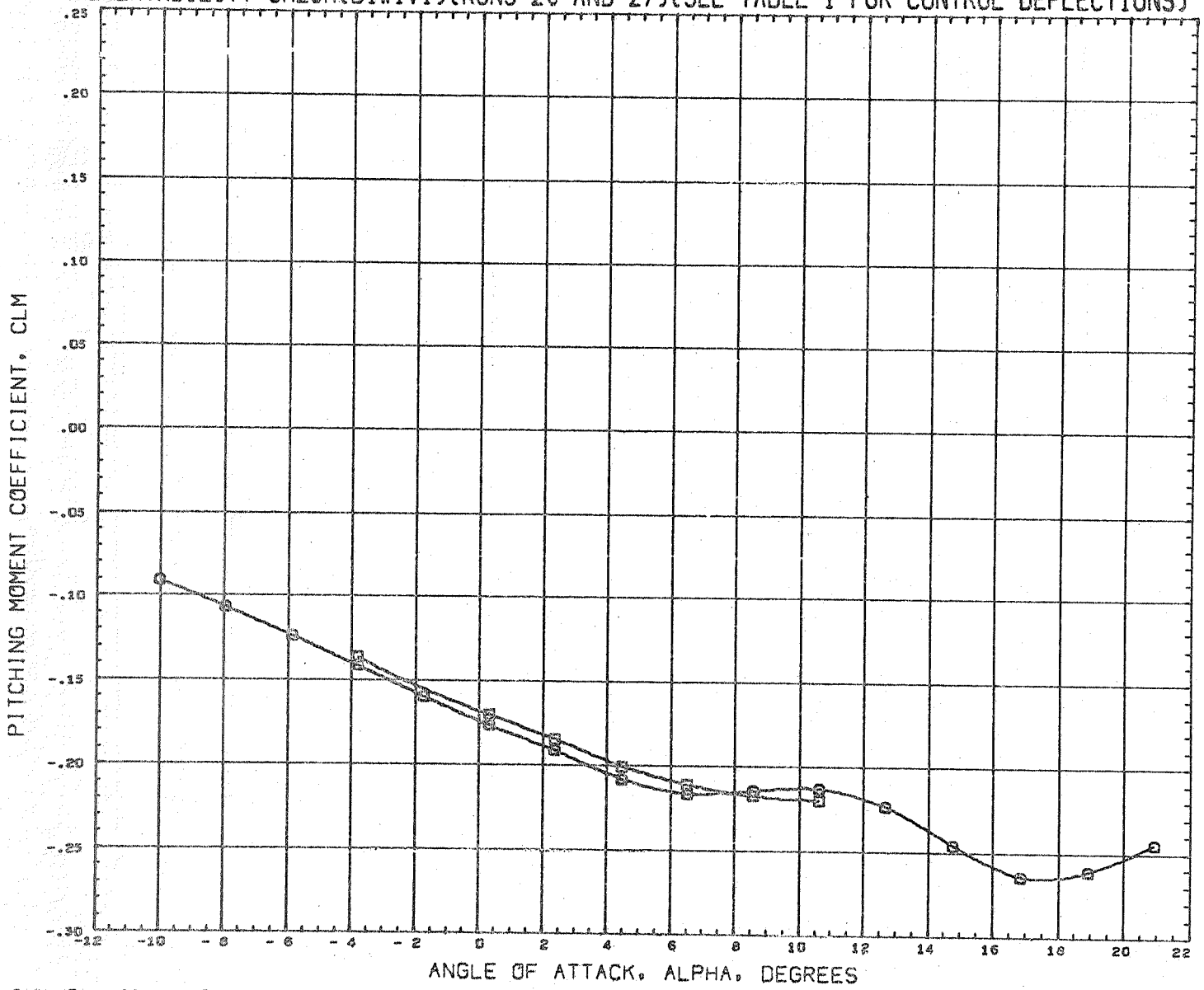
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(DC8D20) ○ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CC8D27) □ MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

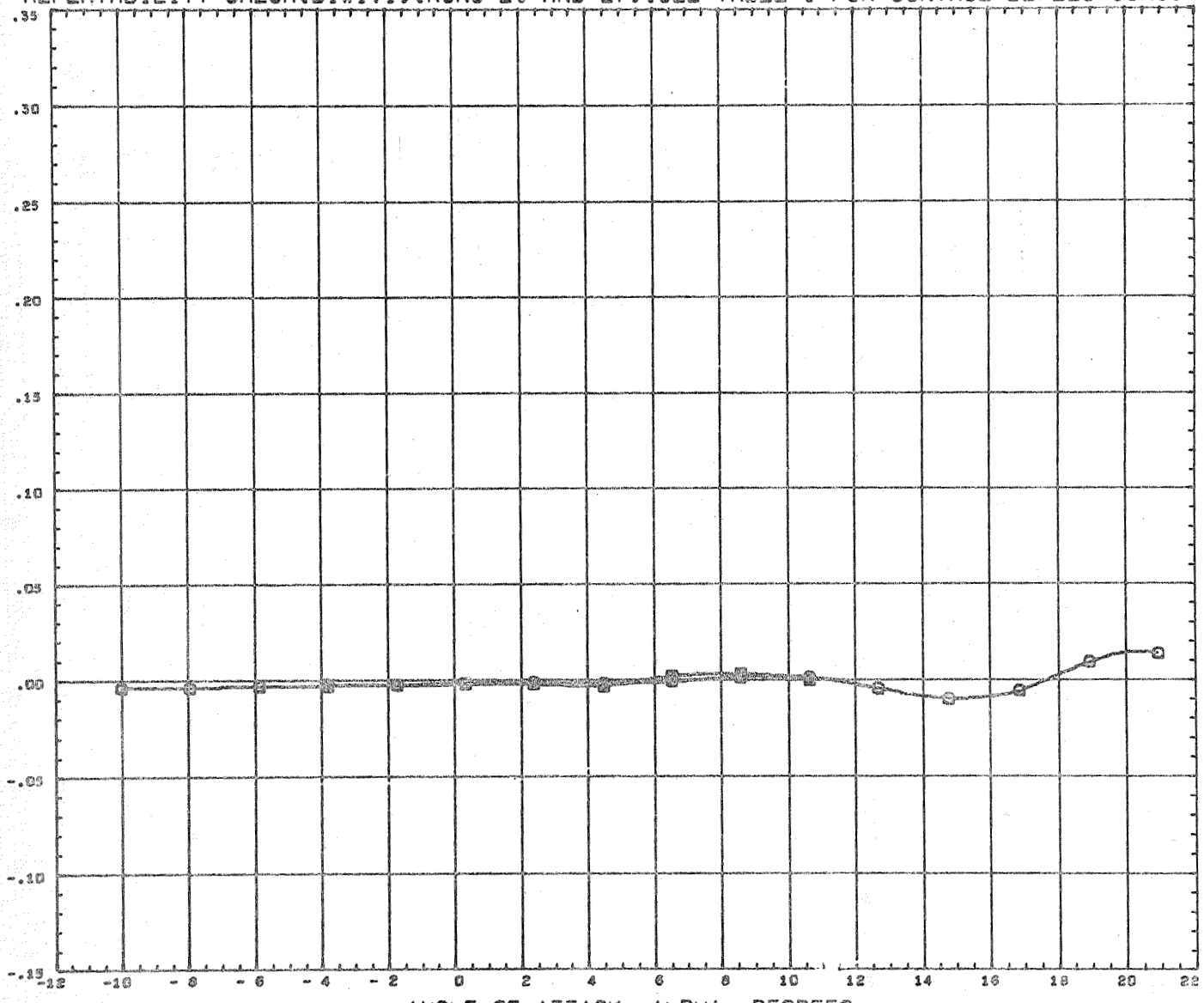
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DC0D20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40 TUFTS
(CC0D27)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

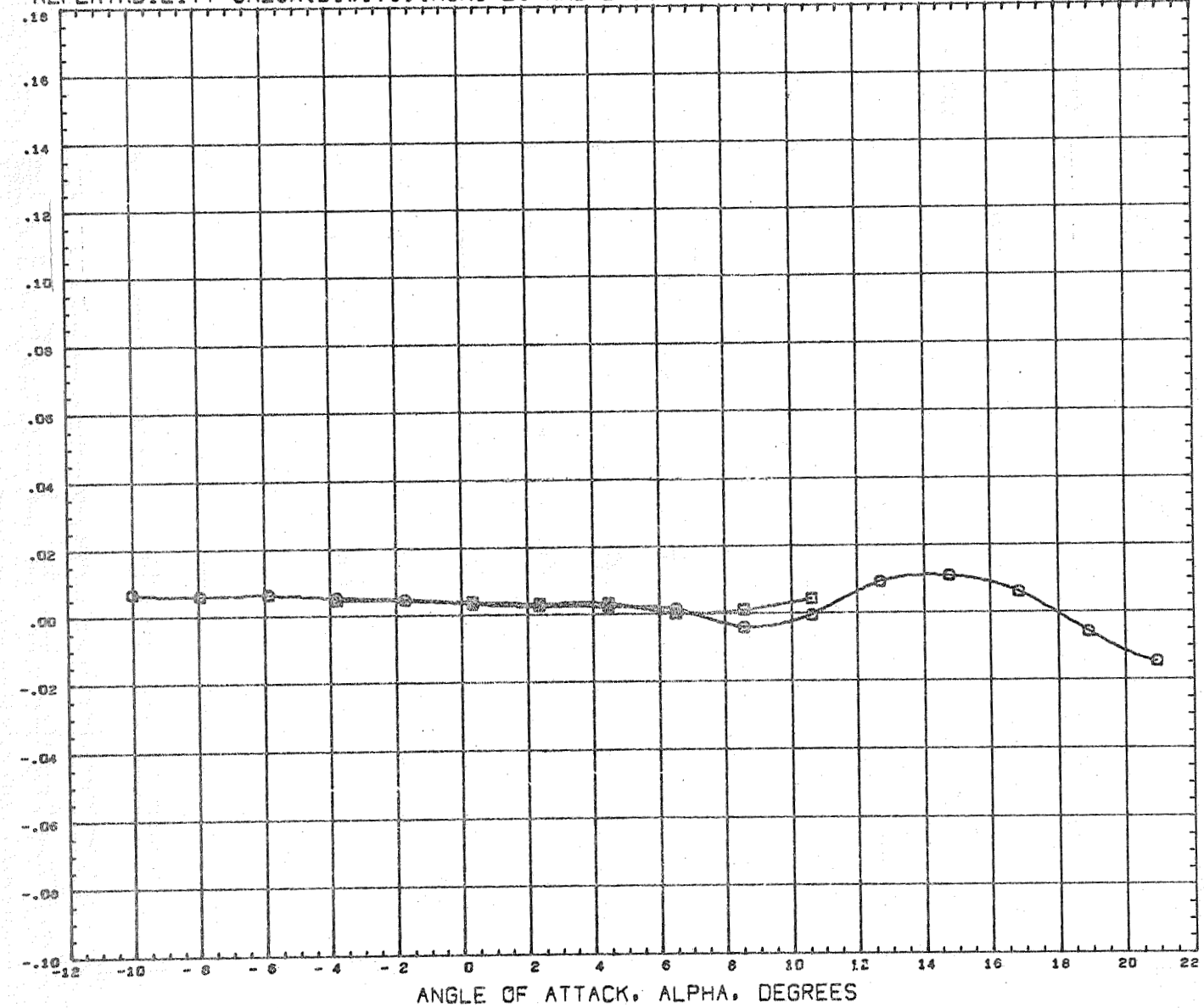
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



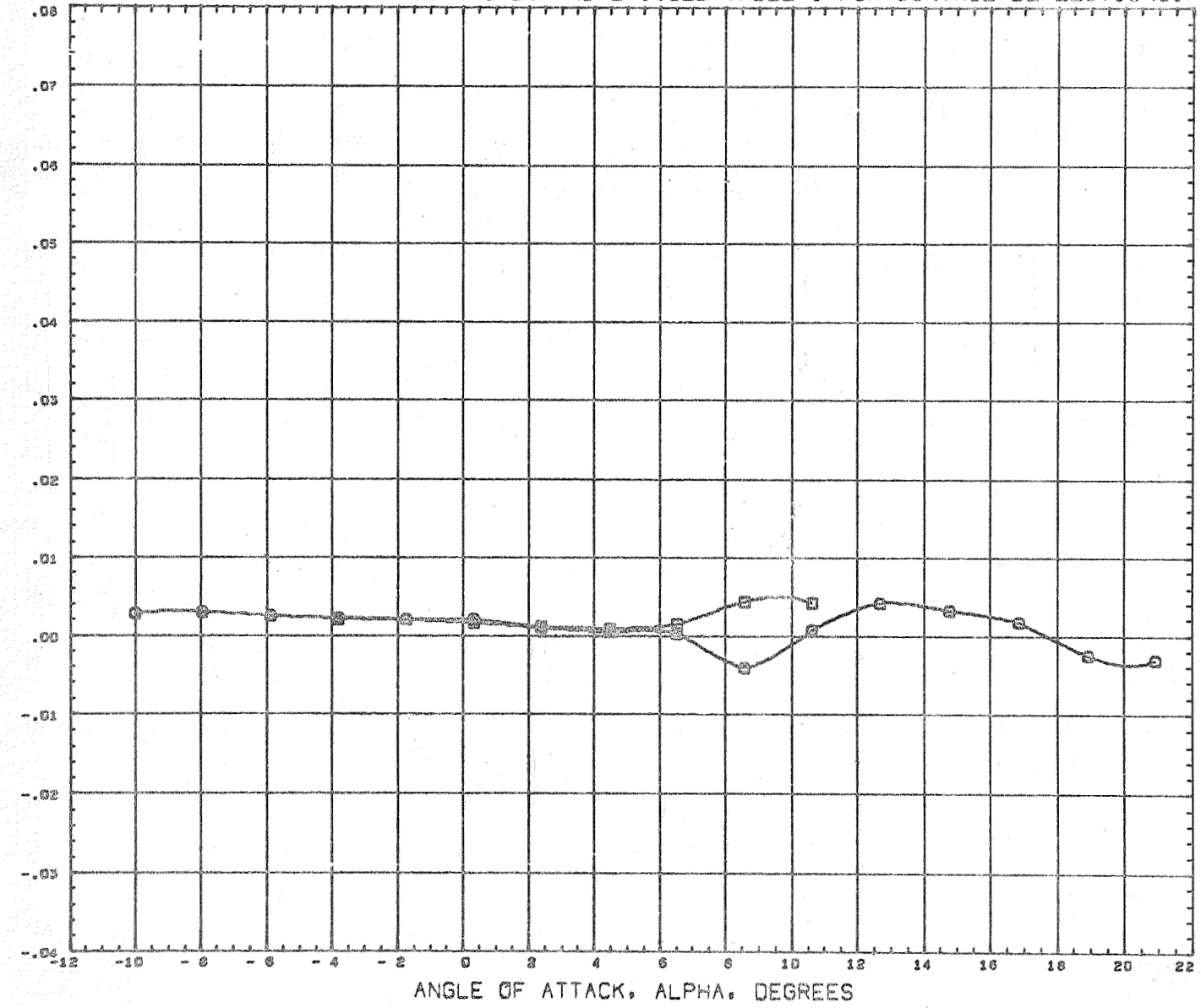
DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCB020)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCB027)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

PARAMETRIC VALUES			
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD27)	□	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

PARAMETRIC VALUES

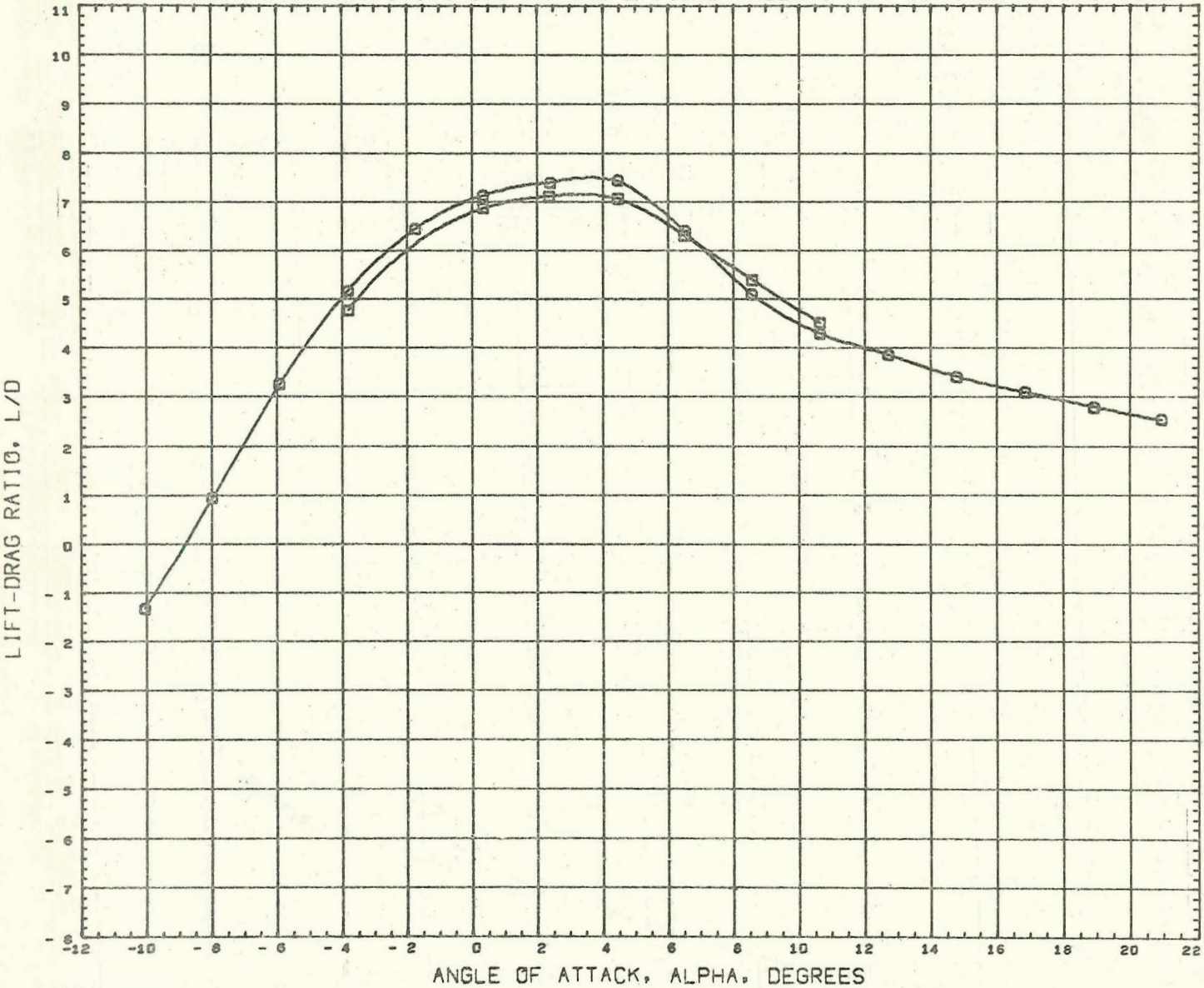
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

Q(PSF) 40.000

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCBD27)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

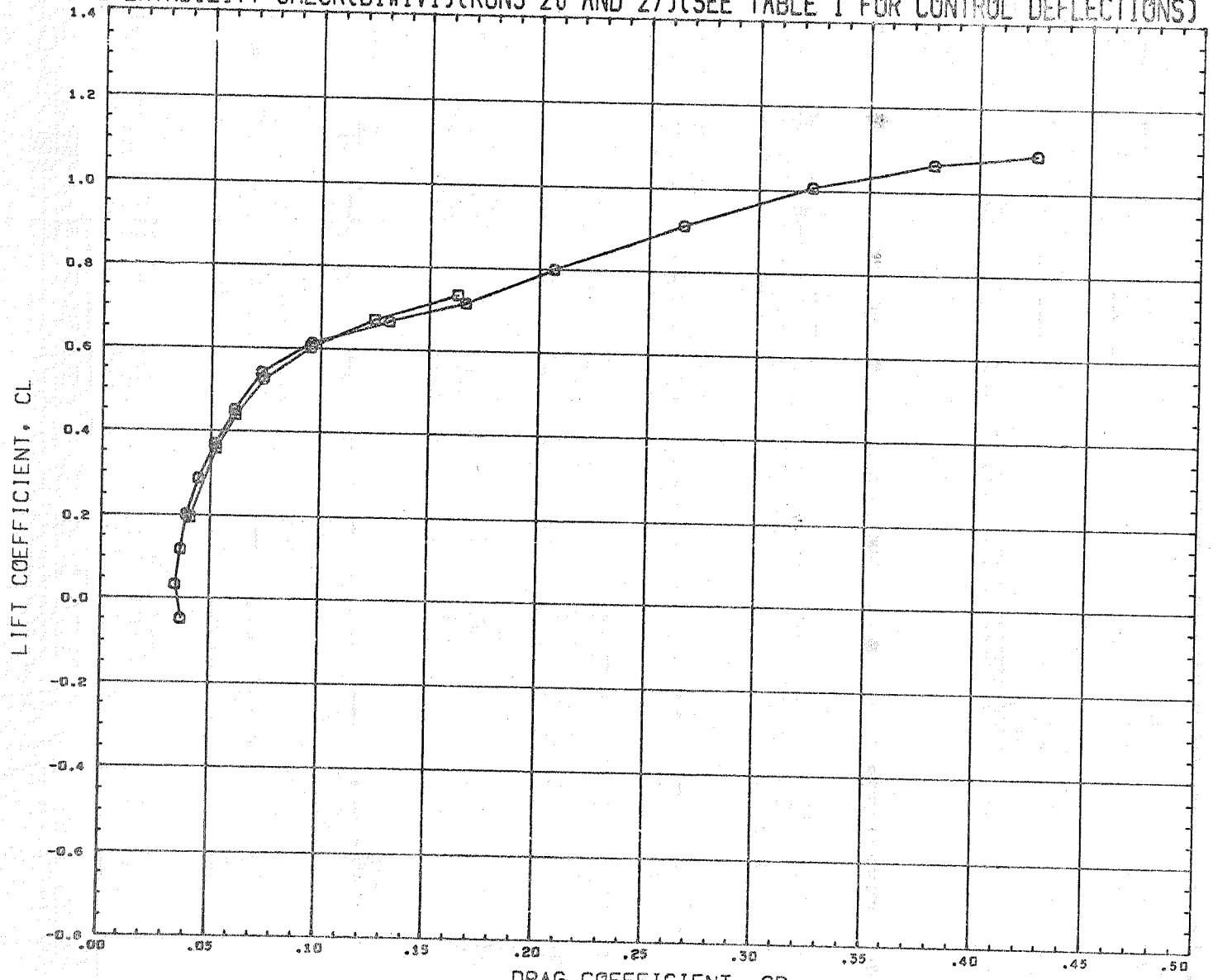
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(DCBD20)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40 TUFTS
(CCBD27)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

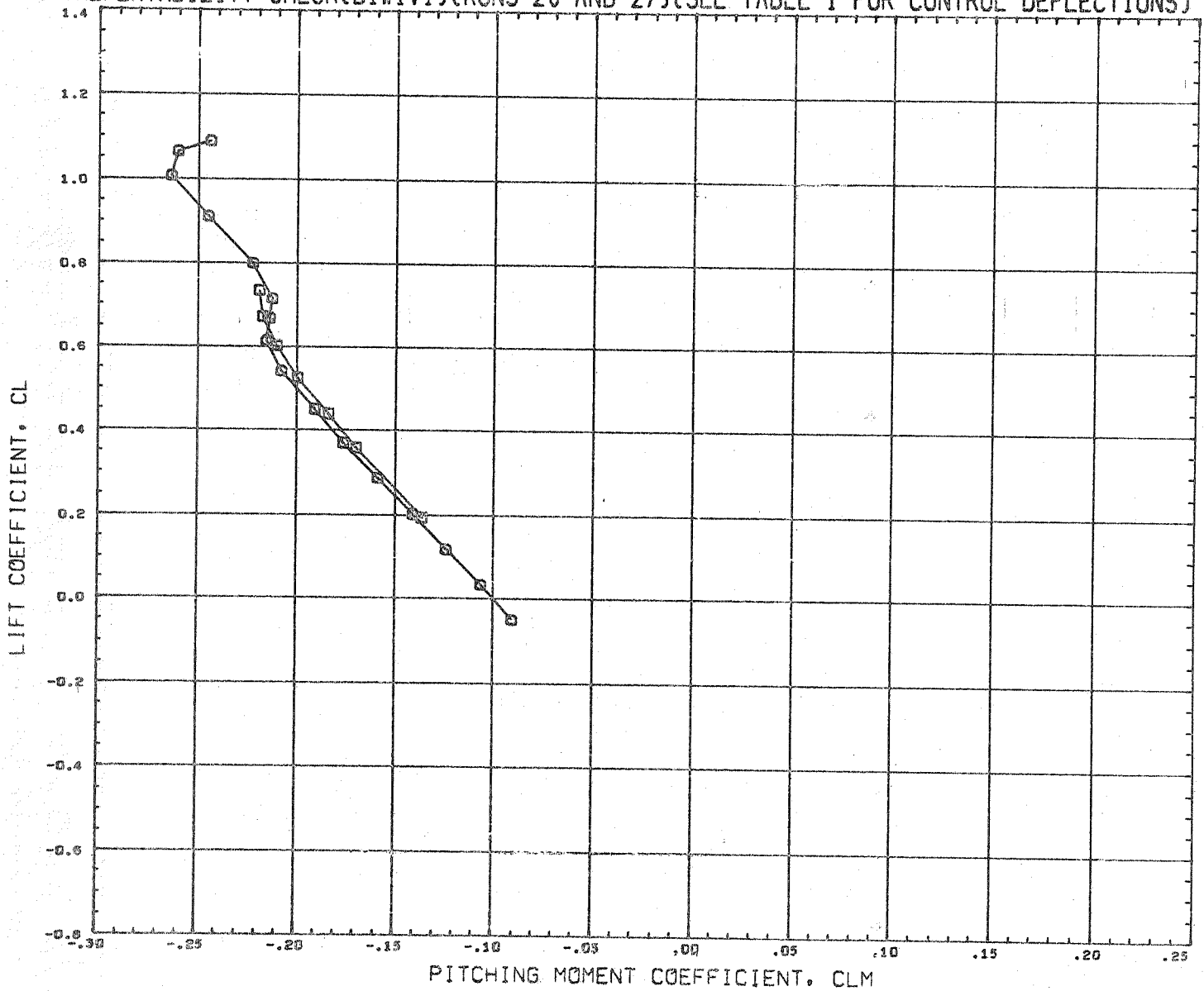
PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



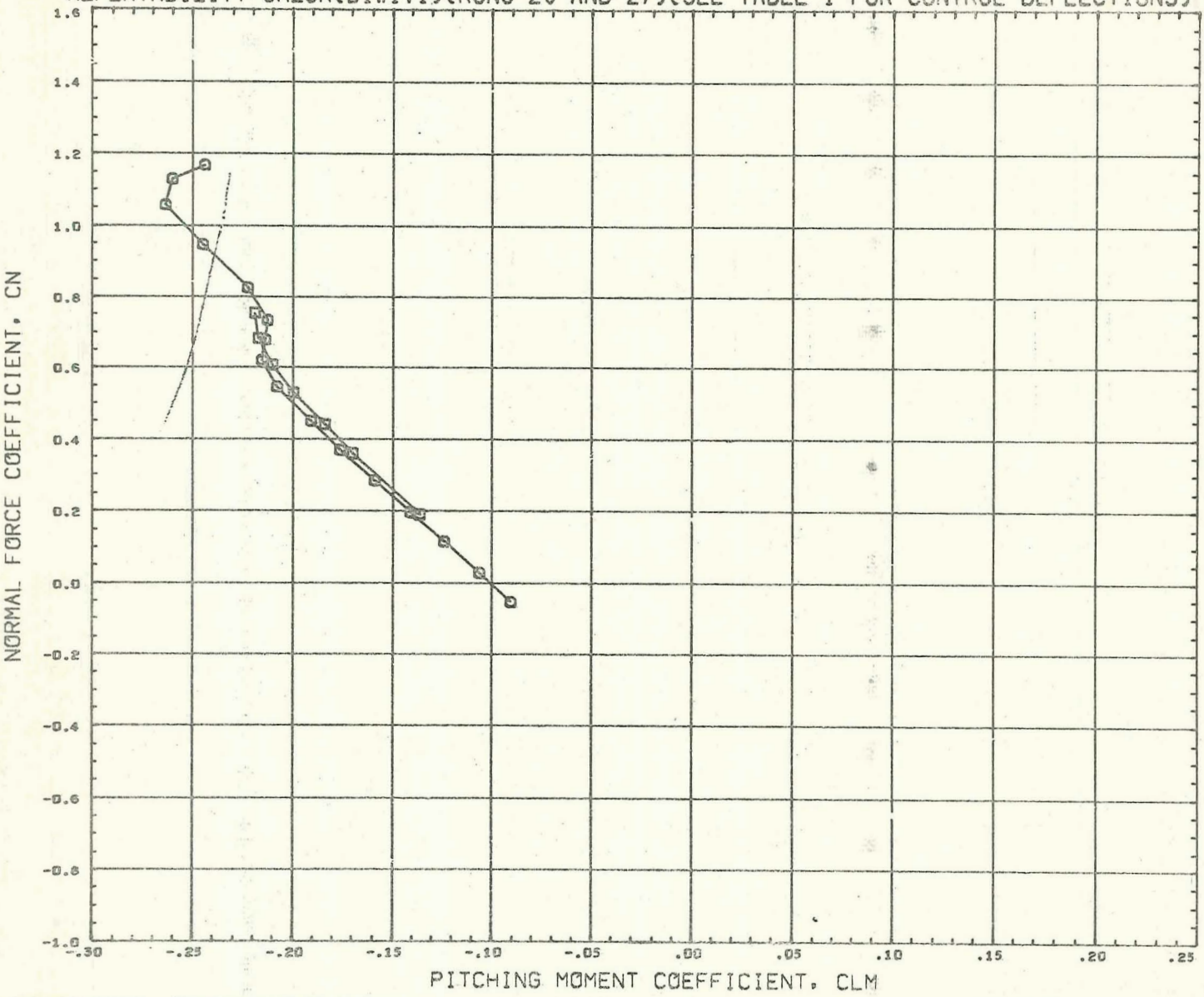
DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(0CB020)	○	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 Q= 40
(CCB027)	□	MCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

Q(PSF) 40.000

PARAMETRIC VALUES			
BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDER	0.000
RUDDFL	0.000		

REFERENCE INFORMATION		
REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE

REPEATABILITY CHECK(B1W1V1)(RUNS 20 AND 27)(SEE TABLE 1 FOR CONTROL DEFLECTIONS)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(DCBD20)	○	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 @= 40
(CCBD27)	□	NCAIR LSWT 235 MDC STS ORB(02) B1W1V1 TUFTS

@(PSF) 40.000

PARAMETRIC VALUES

BETA	0.000	ELEVTR	0.000
AILRON	0.000	RUDDFR	0.000
RUDDFL	0.000		

REFERENCE INFORMATION

REFS	9.5800	SQ.FT.
REFL	3.0200	FT.
REFB	3.5400	FT.
XMRP	4.2210	FT.
YMRP	0.0000	FT.
ZMRP	0.6670	FT.
SCALE	4.0000	PER CE