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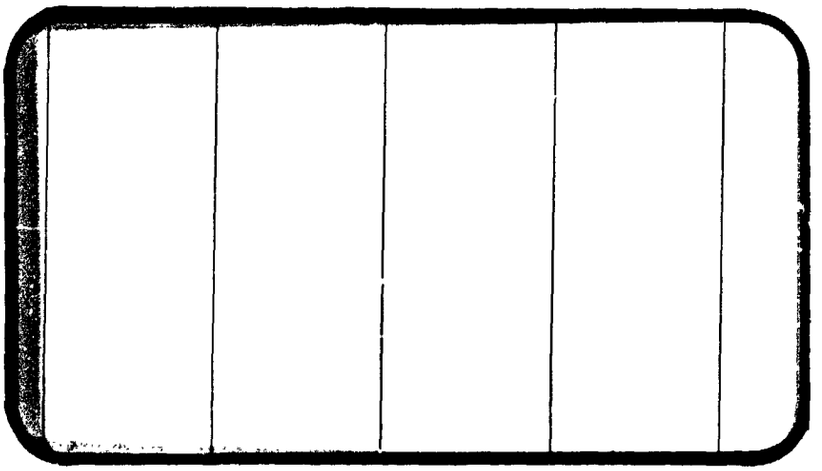

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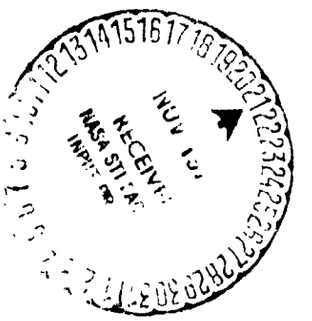

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AERODYNAMIC RESULTS OF SUPPORT SYSTEM INTERFERENCE EFFECTS TESTS CONDUCTED IN NASA/ARC 6- BY 6-FOOT SUPERSONIC WIND TUNNEL USING AN 0.015-SCALE MODEL OF THE CONFIGURATION 140A/B SSV ORBITER (OA59)

VOLUME II

By

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Prepared under NASA Contract Number NAS9-13247

By

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	ARC 66-709
NASA Series Number:	OA59
Model Number:	49-0 Mod.
Test Dates:	March 13 through March 22, 1974
Occupancy Hours:	141

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AERODYNAMIC RESULTS OF SUPPORT SYSTEM
INTERFERENCE EFFECTS TESTS CONDUCTED IN NASA/ARC
6- BY 6-FOOT SUPERSONIC WIND TUNNEL USING AN 0.015-SCALE
MODEL OF THE CONFIGURATION 140A/B SSV ORBITER (OA59)

By John H. Campbell II and Willard R. Embury
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ABSTRACT

An experimental aerodynamic investigation (OA59) was conducted in the NASA/ARC 6- by 6-Foot Supersonic Wind Tunnel from 13 through 22 March 1974. The test article was an 0.015-scale Configuration 140A/B SSV Orbiter model (49-0). The primary objective of this investigation was to determine the extent aerodynamic simulation is compromised by sting base mounting with MPS nozzles removed.

Both a conventional sting (through the base) and an alternate model mounting system were utilized. The alternate mounting system consisted of a non-metric blade strut which approximated the vertical tail and entered the model through the upper aft section of its fuselage. The model was tested both in and out of the presence of a dummy sting with and without MPS nozzles when on the alternate mounting system. Data were obtained at Mach numbers from 0.6 through 2.0, a Reynolds number of 2.5 million per foot, angles of attack from -4 through 14 degrees, angles of sideslip from -15 through 15 degrees, elevon deflections of 0 and 15 degrees, and bodyflap deflections of -11.7, 0, and 16.3 degrees.

This report is published in two volumes. Volume I contains Data Figures 4 through 9. Volume II contains Data Figures 10 through 15 and the Tabulated Source Data.

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M) DCBL, DCYN, DCY vs BETA

NOMENCLATURE
General

SYMBOL	PLOT SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
		Reference & C.G. Definitions
A_b		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\bar{c}$ or ℓ_{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

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

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	PLOT SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CTM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CRL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$

Stability-Axis System

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

NOMENCLATURE (Continued)
(Additions to Standard List)

Symbol	Plot Symbol	Definition
BOR		body of revolution
C_{D_V}	CDV	vertical tail base drag coefficient
C_{L_V}	CLV	vertical tail base lift coefficient
C_{m_V}	CMVFWD	forward vertical tail base pitching-moment coefficient
C_{N_V}	CNV	vertical tail base normal-force coefficient
C_{A_V}	CAV	vertical tail base axial-force coefficient
ΔCD	DCD	balance incremental tare drag coefficient
ΔCL	DCL	balance incremental tare lift coefficient
ΔC_{mf}	DCMFWD	balance forward incremental tare pitching-moment coefficient
ΔC_N	DCN	balance incremental tare normal-force coefficient
ΔC_A	DCA	balance incremental tare axial-force coefficient
ΔC_Y	DCY	balance incremental tare side-force coefficient
ΔC_ℓ	DCBL	balance incremental tare rolling-moment coefficient
ΔC_n	DCYN	balance incremental tare yawing-moment coefficient
$C_{P_{V1}}$	CPV1	base pressure coefficient on upper speed brake portion
$C_{P_{V2}}$	CPV2	base pressure coefficient on lower speed brake portion
$C_{P_{V3}}$	CPV3	base pressure coefficient on lower vertical tail portion
XV1		longitudinal distance from 0.65 ℓ_B to centroid of area containing $C_{P_{V1}}$

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
X_{V2}		longitudinal distance from 0.65 ℓ_B to centroid of area containing $C_{P_{V2}}$
X_{V3}		longitudinal distance from 0.65 ℓ_B to centroid of area containing $C_{P_{V3}}$
Z_{V1}		vertical distance from 375" W.L. to centroid of area containing $C_{P_{V1}}$
Z_{V2}		vertical distance from 375" W.L. to centroid of area containing $C_{P_{V2}}$
Z_{V3}		vertical distance from 375" W.L. to centroid of area containing $C_{P_{V3}}$
A_{V1}		area associated with pressure coefficient $C_{P_{V1}}$
A_{V2}		area associated with pressure coefficient $C_{P_{V2}}$
A_{V3}		area associated with pressure coefficient $C_{P_{V3}}$
$C_{P_{B(i)}}$		body base-pressure coefficient from body base orifice $P_{B_{1,2...}}$
$C_{P_{C1}}$		strut cavity-pressure coefficient from strut cavity orifice P_{C_1}
$C_{P_{C2}}$		sting cavity-pressure coefficient from sting cavity orifice P_{C_2}
$C_{P_{Ai}}$		fuselage afterbody pressure coefficient
X_o		Orbiter fuselage station, inches
Y_o		Orbiter butt plane, inches
A_{Bi}		base area assigned to i^{th} pressure, in^2

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
C_{A_b}	CAB	model-body base axial-force coefficient
C_{D_f}	CDF	total forebody drag force coefficient
C_{D_b}	CDB	model body base drag-force coefficient
C_{m_f}	CLMFWD	balance forward pitching-moment coefficient at 0.65 ℓ_B
C_{m_a}	CLMAFT	balance aft pitching-moment coefficient at 0.675 ℓ_B
$C_{m_{t_f}}$	CMTFWD	forward total pitching moment coefficient
$C_{m_{t_a}}$	CMTAFT	aft total pitching moment coefficient
$C_{m_{V_f}}$	CMVAFT	aft vertical tail base pitching moment coefficient
C_{L_t}	CLT	total lift-force coefficient
C_{D_t}	CDT	total drag-force coefficient
C_{N_t}	CNT	total normal-force coefficient
C_{A_f}	CAF	total forebody axial-force coefficient
C_{A_t}	CAT	total axial-force coefficient
ΔC_{L_t}	DCLT	incremental total lift-force coefficient
ΔC_{L_V}	DCLV	incremental vertical tail base lift force coefficient
ΔC_{D_b}	DCDB	incremental model body base drag force coefficient

NOMENCLATURE (Continued)

Symbol	Plot Symbol	Definition
ΔC_{D_V}	DCDV	incremental vertical tail base drag force coefficient
ΔC_{D_f}	DCDF	incremental total forebody drag force coefficient
ΔC_{D_t}	DCDT	incremental total drag force coefficient
$\Delta C_{m_{t_f}}$	DCMTFW	incremental total forward pitching moment coefficient
$\Delta C_{m_{V_f}}$	DCMVFW	incremental forward vertical tail pitching moment coefficient
$\Delta C_{m_{t_a}}$	DCMTAF	incremental total aft pitching moment coefficient
$\Delta C_{m_{V_f}}$	DCMVAF	incremental aft vertical tail base pitching moment coefficient
ΔC_{m_a}	DCMAFT	incremental balance aft pitching moment coefficient
ΔC_{N_t}	DCNT	incremental total normal force coefficient
ΔC_{N_V}	DCNV	incremental vertical tail base normal-force coefficient
ΔC_{A_t}	DCAT	incremental total axial force coefficient
ΔC_{A_V}	DCAV	incremental vertical tail base axial-force coefficient
ΔC_{A_b}	DCAB	incremental model-body base axial-force coefficient
ΔC_{A_f}	DCAF	incremental total forebody axial-force coefficient
δ_{bf}	BDFLAP	bodyflap deflection angle, positive trailing edge down, degrees

NOMENCLATURE (Concluded)

Symbol	Plot Symbol	Definition
δ_e	ELEVON	elevon surface deflection angle, positive trailing edge down, degrees
Λ_u		sweepback angle of the speedbrake trailing edge, degrees
Λ_L		sweepback angle of lower part of the vertical tail, degrees
δ_{sb}	SPDBRK	speedbrake deflection angle, degrees

CONFIGURATIONS INVESTIGATED

Two support systems were tested. One was a Rockwell supplied blade-strut support which enters through the top of the model near the base, replacing the vertical tail as shown in figure 2b. The strut simulated the vertical tail (with a 24.92 degree speedbrake flare) to the extent that its span and profile closely matched. Because of stress considerations cross sections at various spanwise stations could not be matched. See figures 2d and 2e for comparisons. A (non-metric) dummy sting was located (via a stringer from the Ames sting which supports the blade-strut) in close proximity to the base. It simulated the first 20 inches of exposed sting downstream of the model base which exists for the case where the model is base mounted. Refer to figure 2a.

Control surface deflections tested were:

elevon: 0°, 15°

bodyflap: -11.7°, 0°, 16.3°

speedbrake: 24.92°

rudder: 0°

The basic Orbiter configurations are as follows:

$O_{11A} = B_{26}\ C_9\ E_{37}\ F_7\ M_7\ N_{24}\ N_{28}\ R_5\ V_8\ W_{116}$, where

Component	Definition
B_{26}	Fuselage: forebody per Rockwell lines VL70-000143B; mid-body per lines -000200, -000205 and -006089; aft body per lines -000145, (Model drawing SS-A00147, Release 12)
C_9	Canopy per Rockwell lines VL70-000143B (Model drawing SS-A00147, Release 12)

CONFIGURATIONS INVESTIGATED (Concluded)

E_{37}	Alternate slotted elevons per Rockwell lines VL70-000200, -006089, -006092 and figure 4A of SAS/AERO/76-643, dated October 31, 1973 (Model drawing SS-A00147, Release 6).
F_7	Body flap per Rockwell lines VL70-000145 (Model drawing SS-A00147, Release 12)
M_7	OMS/RCS pods per Rockwell lines VL70-000145 (Model drawing SS-A00147, Release 12)
N_{24}	MPS nozzles; contour per measurements made on Rockwell configuration control drawing VL70-0050030A; location per configuration control drawing VL70-000140A (Model drawing SS-A00147, Release 12)
N_{28}	OMS nozzles: contour per model drawing SS-A00106, release 5; location per Rockwell configuration control drawing VL70-000140A (Model drawing SS-A00147, Release 12)
R_5	Rudder per Rockwell lines VL70-000146A (Model drawing SS-A00148, Release 6)
V_8	Vertical tail per Rockwell lines VL70-000146A (Model drawing SS-A00148, Release 6)
W_{116}	Wing per Rockwell lines VL70-000200, -006089, and -006092 (Model drawing SS-A00148, Release 6)

INSTRUMENTATION

The Orbiter was mounted on the NASA/ARC 1.5-inch diameter Task MKIIE internal strain gage balance. The balance center was located at model station X_0 = 15.989, Y_0 = 0.0, and Z_0 = 5.85 inches.

A NASA/ARC dangleometer recorded BOR pitch angle. Predetermined sting deflection rates (due to load) were added to these to determine model α and β.

When the model was base mounted on the straight sting, there were five (5) base, two (2) cavity, two (2) top surface, and three (3) vertical tail trailing edge pressure orifices. All taps, except the cavity pressure, were built into the model skin with 0.043-inch O.D. stubs at the model base. The same number of pressure taps were used for both base mounted and blade strut model installations.

TEST FACILITY DESCRIPTION

The 6- by 6-Foot Wind Tunnel of the NASA Ames Research Center is a closed-circuit, variable pressure facility. The test section has a slotted floor and ceiling, allowing for continuous operation from Mach number 0.25 to 2.20 at stagnation pressures from 0.3 to 1.0 atmosphere for a stagnation temperature of 560°R. These conditions allow Reynolds number variation from 1 to 5 million per foot and a dynamic pressure range from 200 to 1000 pounds per square foot.

DATA REDUCTION

Standard NASA/ARC data reduction techniques were used with the following reference dimensions:

A_C	sting cavity area	0.0341 ft^2
b	reference wing span	1.171 ft
$\bar{c}$	reference M.A.C.	0.5935 ft
L_B	reference body length	1.613 ft
S	reference wing area	0.6053 ft^2
XMRP	longitudinal distance, model nose OML to moment reference center	12.6255 in
YMRP	lateral distance, plane of symmetry to moment reference center	0.0 in
ZMRP	vertical distance, FRP to moment reference center	-0.375 in

Fuselage and vertical tail base force coefficients were computed as follows:

$$C_{A_B} = -\sum_{i=1}^{5} \frac{A_{Bi}\, C_{P_{Bi}}}{S} - \frac{A_c\, C_{P_c}}{S}$$

C_{A_B} = base axial-force coefficient

$$C_{A_V} = -\frac{\cos \Lambda_u}{S}(A_{V1}\, C_{P_{V1}} + A_{V2}\, C_{P_{V2}}) - \frac{\cos \Lambda_L\, A_{V3}\, C_{P_{V3}}}{S}$$

C_{A_V} = vertical tail base axial-force coefficient

$$C_{N_V} = \frac{\sin \Lambda_u}{S}(A_{V1}\, C_{P_{V1}} + A_{V2}\, C_{P_{V2}}) + \frac{\sin \Lambda_L}{S}(A_{V3}\, C_{P_{V3}})$$

DATA REDUCTION (Continued)

C_{N_V} = vertical tail base normal-force coefficient

$$C_{m_{V_{0.65\,\ell_B}}} = -[A_{V1}\,C_{P_{V1}}\,(Z_{V1}\cos\Lambda_u + X_{V1}\sin\Lambda_u) + A_{V2}\,C_{P_{V2}}\,(Z_{V2}\cos\Lambda_u + X_{V2}\sin\Lambda_u) + A_{V3}\,C_{PV3}\,(Z_{V3}\cos\Lambda_L + X_{V3}\sin\Lambda_L)]/\bar{c}S$$

where:

Symbol	Dimensions	All δ_{SB}	full - scale values $\delta_{SB} = 25°$	$\delta_{SB} = 55°$	$\delta_{SB} = 85°$
A_{V1}	ft^2		24.2	50.4	82.3
A_{V2}	ft^2		32.3	67.4	109.9
A_{V3}	ft^2		19.77	19.77	19.77
A_{B1}	ft	48.0			
A_{B2}	ft	89.3			
A_{B3}	ft	45.9			
A_{B4}	ft	78.2			
A_{B5}	ft	12.4			
A_{C2}	in^2	151.56			
X_{V1}	in	581.1			
X_{V2}	in	531.9			
X_{V3}	in	432.2			
Z_{V1}	in	351.0			
Z_{V2}	in	251.1			
Z_{V3}	in	165.7			
Λ_u	deg.	26° 15'			
Λ_L	deg.	63° 51'			

DATA REDUCTION (Concluded)

$CD_V = CAV \cos \alpha + CNV \sin \alpha$

$CLV = CNV \cos \alpha - CAV \sin \alpha$

$CMVAFT = CMVFWD + (0.675 - 0.65)\ (\ell_B)\ CNV/\bar{c}$

$CLMAFT = CLMFWD + (0.675 - 0.65)\ (\ell_B)\ CN/\bar{c}$

$CDT = CD + CDV$

$CLT = CL + CLV$

$CAT = CA + CAV$

$CNT = CN + CNV$

$CMTFWD = CLMFWD + CMVFWD$

$CMTAFT = CLMAFT + CMVAFT$

$CAF = CAT - CAB$

$CDF = CAF \cos \alpha + CNT \sin \alpha$

$CDB = CDT - CDF$

TABLE I.

TEST : 0A59 DATE : POST TEST

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.60	2.5×10^6	2.13	82
0.70	2.5×10^6	2.40	83
0.75	2.5×10^6	2.53	82
0.80	2.5×10^6	2.69	86
0.85	2.5×10^6	2.74	83
0.90	2.5×10^6	2.88	92
0.95	2.5×10^6	2.93	81
1.20	2.5×10^6	3.36	86
1.50	2.5×10^6	3.66	96
2.00	2.5×10^6	3.58	98

BALANCE UTILIZED: NASA/ARC 1.5-inch dia. Task MKII E

	CAPACITY.	ACCURACY:	COEFFICIENT TOLERANCE:
NF	±1000-lbs.		
SF	±500-lbs.		
AF	±300-lbs.		
PM	±3000-lbs.		
RM	± 800in-lbs.		
YM	±1250in-lbs.		

COMMENTS:

TABLE II.

TEST : OA59 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE · POST TEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION δ_e	CONTROL DEFLECTION δ_{BF}	CONTROL DEFLECTION δ_{SB}	CONTROL DEFLECTION	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.7	0.75	0.8	0.85	0.9	0.95	1.2	1.5	2.0	TEST RUN NUMBERS
RER 001	O_{NA} -N_{ZY} R_S V_B +	A	0	0	-11.7	–			36	6	5	35	3	34	1	33	32	31	
002	Strut + Dummy Sting								7			4		2		8			
003				15					30	29		28		27		26	25	24	
004									12	11		10		9					
005				0	16.3				16	15		14		13		18	17	23	
006					0				20					19		22		21	
007		0	C		-11.7				42	41		40		39		38		37	
008		10							48	47		46		45		44		43	
009	O_{NA} -N_{ZY} R_S V_B +	A	0	0	-11.7	–			84			83		82		81	80	79	
010	Strut	0	C						68			67		66		65	64	63	
011		10	B						62	61		60		59		58	57	56	
012	O_{NA} – R_S V_B + Strut	A	0	0	-11.7	–			94	93	92	91	90	89	88	87	86	85	
013				15					115	114		113		112		111	110	109	
014				0	16.3				101	100		99		98		97	96	95	
015					0				108	107		106		105		104	103	102	
016		0	C		-11.7				78	77		76		75		74	73	72	
017																71	70	69	
018		10	3						55	54		53		52		51	50	49	

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

CN ... CA ... CLMFNDCY ... CYN ... CBL ... CL ... CD ... CAB ... IDVAR (1) IDVAR (2) NDV

COEFFICENTS

R DATA α OR β SCHEDULES

α) A = -4, -2, 0, 2, 4, 6, 8, 10, 12, 14, 0 DEG.

β) B = -5, -3, -1, 0, 1, 3, 5, 7, 10, 15, 0 DEG.

β) C = 5, 3, 1, 0, -1, -3, -5, -7, -10, -15, 0 DEG.

TABLE II. (Concluded)

TEST: OA59 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: POST TEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION δ_e	CONTROL DEFLECTION δ_{BF}	CONTROL DEFLECTION δ_{SB}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.7	0.75	0.80	0.85	0.9	0.95	1.2	1.5	2.0	TEST RUN NUMBERS
RER 019	O_{WA} - N_{Z4}	A	C	C	-11.7	25		123			122	121	120	119	118	117	116	
020				15				144			143		142		141	140	139	
021																	138	
022				C	0			130	129		128		127		126	125	124	
023					16.3			137	136		135		134		133	132	131	
024		10	D		-11.7	7		150			149		148		147	146	145	

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

CPV1, CPV2, CPV3,

A DATA α OR β SCHEDULES

COEFFICENTS

α) A = -4, -2, 0, 2, 4, 6, 8, 10, 12, 14, 0 DEG.

β) D = -5, -4, -3, -2, -1, -0.5, 0, 0.5, 3, 5.0 DEG.

IDVAR (1) IDVAR (2) NDV

TABLE III. - MODEL DIMENSIONAL DATA

*REVISED 4/24/74

MODEL COMPONENT: Body (B_{26})

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Fuselage

NOTE: B_{26} identical to B_{24} except underside of fuselage refaired to accept W_{116}.

Model Scale = 0.015 Model Drawing No. SS-A00147

DRAWING NUMBER: VL70-000193
VL70-000140A ; VL70-000140B

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length (Body Fwd Sta X_o = 235) - in.	1293.3	19.400
*Max. Width (at X_o = 1528.3) - In.	264.0	3.960
Max. Depth (at X_o = 1464) - in.	250.0	3.75
Fineness Ratio	0.26357	0.26357
Area - ft^2		
Max. Cross-Sectional	340.88462	.07670
Planform		
Wetted		
Base		

TABLE III. - Continued.

*REVISED 4/24/74

MODEL COMPONENT: Canopy (C_9)

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Fuselage

Model Drawing No. SS-A00147

Model Scale = 0.015

DRAWING NUMBER VL70-000140A
VL70-000143A

DIMENSION:	FULL SCALE	MODEL SCALE
* Length (X_o=434.643 to 578)	143.357	2.150
Max Width (@ X_o=513.127)	152.412	2.286
Max Depth (@ X_o=485.0)	25.000	0.375
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. - Continued.

*REVISED 4/24/74

MODEL COMPONENT: ALTERNATE SLOTTED ELEVON - E_{37}

GENERAL DESCRIPTION: Configuration 140A/B Orbiter Elevon.
E_{37} is a slotted version of E_{26}. Data is for one side.

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-000200, -006089, -006092 and Fig. 4A of SAS/AERO/76-643

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - Ft^2	210.0	0.0473
Span (equivalent) - In.	349.2	5.238
Inb'd equivalent chord In.	118.004	1.770
Outb'd equivalent chord	55.192	0.828
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.2096	0.2096
At Outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Trailing Edge	- 10.056	- 10.056
Hingeline	0.00	0.00
* Area Moment (Product of Area & c) $In.^3$	1587.25	0.00536
*Mean Aerodynamic Chord In.	90.7	1.361

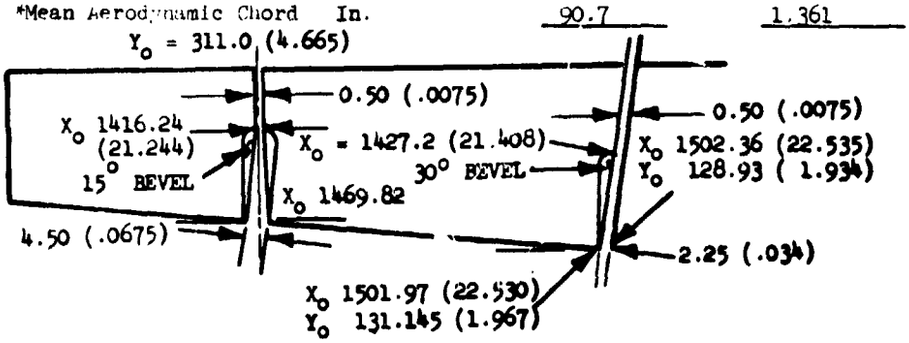


TABLE III. - Continued.

MODEL COMPONENT: Body Flap (Fz)

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Body Flap

NOTE: Body flap has variable centerline deflection of +13.75° and -14.25° from null position. Hinge line located at X_o =1528.3, Z_o = 284.3

Model Drawing No. SS-A00147

Model Scale = 0.015

DRAWING NUMBER VL70-000140A, VL70-000145

DIMENSION:	FULL SCALE	MODEL SCALE
Length (X_o=1520 to X_o=1613) - IN.	93.000	1.395
Max Width - IN.	262.000	3.930
Max Depth (X_o = 1520) - IN.	23.000	0.345
Fineness Ratio		
Area - Ft^2		
Max Cross-Sectional		
Planform	150.5250	.0339
Wetted		
Base	41.84722	.00941

TABLE III. - Continued.

MODEL COMPONENT: OMS Pod (M_7)

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter OMS-Pod

Model Scale = 0.015 Model Drawing No. SS-A00147

DRAWING NUMBER VL70-000140A
VL70-000145

DIMENSION:	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta X_o=1233.0) - IN.	327.000	4.905
Max Width (@ X_o=1450.0) - IN.	94.5	1.418
Max Depth (@ X_o=1493.0) - IN.	109.000	1.635
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT: MPS NOZZLES - N_{24}

GENERAL DESCRIPTION: Configuration 140A/B Orbiter MPS Nozzles

MODEL SCALE: 0.015 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-005030A, VL70-000140A

DIMENSIONS:	FULL SCALE	MODEL SCALE
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane	157.0	2.355
Throat to Exit Plane	99.2	1.488
Diameter - In.		
Exit	91.000	1.410
Throat		
Inlet		
Area - ft^2		
Exit	45.16585	0.0102
Throat		
Gimbal Point (Station) - In.		
Upper Nozzle		
X	1445.0	21.675
Y	0.0	0.0
Z	443.0	6.645
Lower Nozzles		
X	1468.16996	22.023
Y	± 53.0000	0.795
Z	342.63988	5.140
Null Position - Deg.		
Upper Nozzle		
Pitch	16°	16°
Yaw	0°	0°
Lower Nozzle		
Pitch	10°	10°
Yaw	3.5°	3.5°

TABLE III. - Continued.

MODEL COMPONENT: OMS Nozzle (N_{28})

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter OMS Nozzle

MODEL SCALE = .015 Model Drawing No. SS-A00147

DRAWING NO. VL70-000140A

DIMENSIONS	FULL SCALE	MODEL SCALE
Mach No.		
Length ~ in.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter ~ in.		
Exit		
Throat		
Inlet		
Area ~ ft^2.		
Exit		
Throat		
Gimbal Point (station) ~ in.		
X	1518.0	22.77
Y	± 88.0	1.32
Z	492.0 -	7.38
Null Position ~ deg.		
Pitch	15° 49'	15° 49'
Yaw (Outboard)	12° 17'	12° 17'

TABLE III. - Continued.

*REVISED 4/24/74

MODEL COMPONENT: Rudder (R_5)

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Rudder

Model Scale =0.015 Model Drawing No. SS-A00148

DRAWING NUMBER: VL70-000095, VL70-000146A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
*Area - FT^2	100.15	0.0225
Span (equivalent) - IN.	201.0	3.015
Inb'd equivalent chord	91.585	1.374
Outb'd equivalent chord	50.833	0.762
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Tailing Edge	26.25	26.25
Hingeline	34.83	34.83
*Area Moment (Product of Area & $\bar{C}$)- FT^3	610.92	.0021
* Product of Area and Mean Chord - In.	73.2	1.098

TABLE III. - Continued.

*REVISED 4/24/74

MODEL COMPONENT: Vertical Tail (Vg)

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Vertical Tail

NOTE: Similar to V5 with radius on TE upper corner and LE lower corner where vertical meets fuselage.

Model Scale = 0.015 Model Drawing No. SS-A00148

DRAWING NUMBER: VL70-000140A, VL70-000146A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) Ft^2	413.253	0.09298
Planform		
Span (Theo) In	315.720	4.73580
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.40399	0.40399
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
*Trailing Edge	26.2	26.2
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.500	4.02750
Tip (Theo) WP	108.470	1.62705
MAC	199.80756	2.99711
Fus. Sta. of .25 MAC	1463.50	21.95250
W. P. of .25 MAC	635.522	9.53283
B. L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle Deg	10.00	10.00
Trailing Wedge Angle Deg	14.920	14.920
Leading Edge Radius (Min) - IN.	2.00	0.0300
Void Area	13.17	0.00296
Blanketed Area	0.00	0.00

TABLE III. - Concluded.

REVISED 4/24/74

MODEL COMPONENT: WING-W_{116}

GENERAL DESCRIPTION: Configuration 140A/B Orbiter Wing

NOTE: Identical to W_{116} except airfoil thickness. Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.015 MODEL DRAWING NO. 33-A00148 VL70-000140B

TEST NO. DWG. NO. VL70-000200

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2 Planform	2690.00	0.6053
Span (Theo In.	936.6816	14.050
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	+ 3.000	+ 3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 12.056	- 12.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.2429	10.339
Tip, (Theo) B.P.	187.8486	2.068
MAC	474.8117	7.122
Fus. Sta. of .25 MAC	1126.83	16.902
W.P. of .25 MAC	290.58	4.359
B.L. of .25 MAC	182.13	2.732
EXPOSED DATA		
Area (Theo) Ft^2	1751.50	0.3941
Span, (Theo) In. BP108	720.68	10.810
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root JP108	562.09	8.431
Tip 1.00 $\frac{b}{2}$	137.85	2.06
MAC	392.83	5.892
Fus. Sta. of .25 MAC	1185.98	17.790
W.P. of .25 MAC	294.30	4.415
B.L. of .25 MAC	251.77	3.777
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.113	0.113
Tip $\frac{b}{2}$ =	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	113.18	0.0255
Leading Edge Intersects Fus M. L. @ Sta	500.00	7.500
Leading Edge Intersects Wing @ Sta	1024.00	15.360

TABLE IV. DATASET COMBINATIONS USED TO OBTAIN INCREMENTAL DATA

RESULTING DATASET	MINUEND DATASET	SUBTRAHEND DATASET	RESULTING DATA	α	δ_e	δ_{BF}
Q,S,T,U,V,WER012	RER001	RER012	Nozzle increment	Vary	0	-11.7
3	RER003	RER013	+ sting interfer-	Vary	15	-11.7
4	RER005	RER014	ence tares	Vary	0	16.3
5	RER006	RER015	↓	Vary	0	0
6	RER007	RER016		Vary	0	-11.7
1ER018	RER008	RER018		10	0	-11.7
Q,S,T,U,V,WER009	RER001	RER009	Sting interference	Vary	0	-11.7
1ER010	RER007	RER010	tare	0	0	-11.7
1ER011	RER008	RER011	↓	10	0	-11.7
1,2,3ER019	RER019,12	RER001	Sting mounted	Vary	0	-11.7
20	RER020,13	RER003	nozzle-off data	Vary	15	-11.7
22	RER022,15	RER006	with corrections	Vary	0	0
23	RER023,14	RER005	applied	Vary	0	16.3
1ER024	RER024,18	RER008	↓	10	0	-11.7

NOTE:

- VERTICAL TAIL WAS REPLACED BY A NON-METRIC BLADE STRUT FOR STRUT MOUNTING. INCREMENTAL VERTICAL TAIL FORCES WERE ESTIMATED FROM PRESSURES MEASURED IN THE SPEED BRAKE BASE REGION.
- [NOZZLE INCREMENT + STING INTERFERENCE TARE] = [MODEL + STRUT + DUMMY STING] - [MODEL + STRUT + NOZZLE]
- [STING INTERFERENCE TARE] =[MODEL + STRUT + DUMMY STING] - [MODEL + STRUT]
- [CORRECTED DATA] = [MODEL STING-MOUNTED] - [NOZZLE INCREMENT + STING INTERFERENCE TARE]

Notes:

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

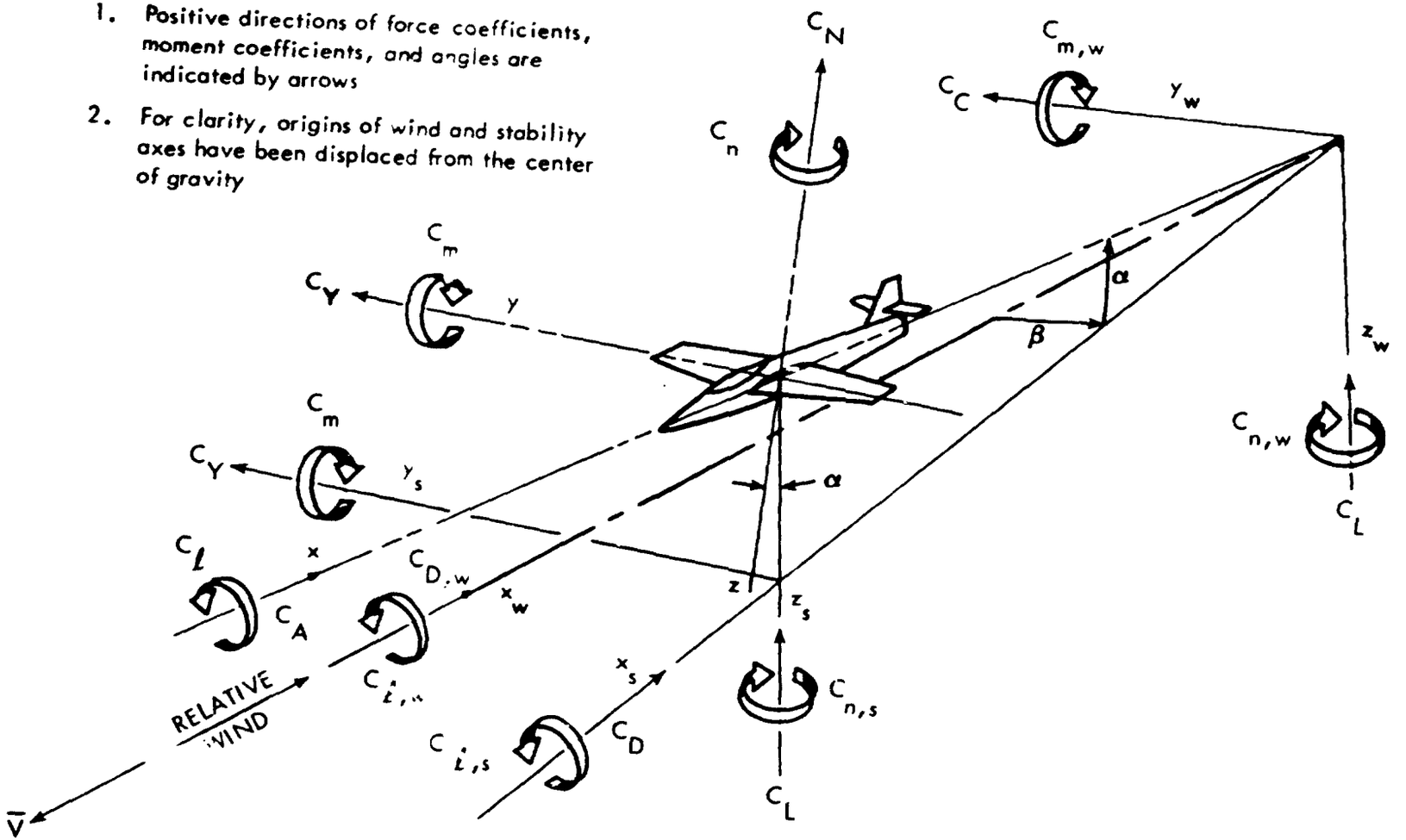
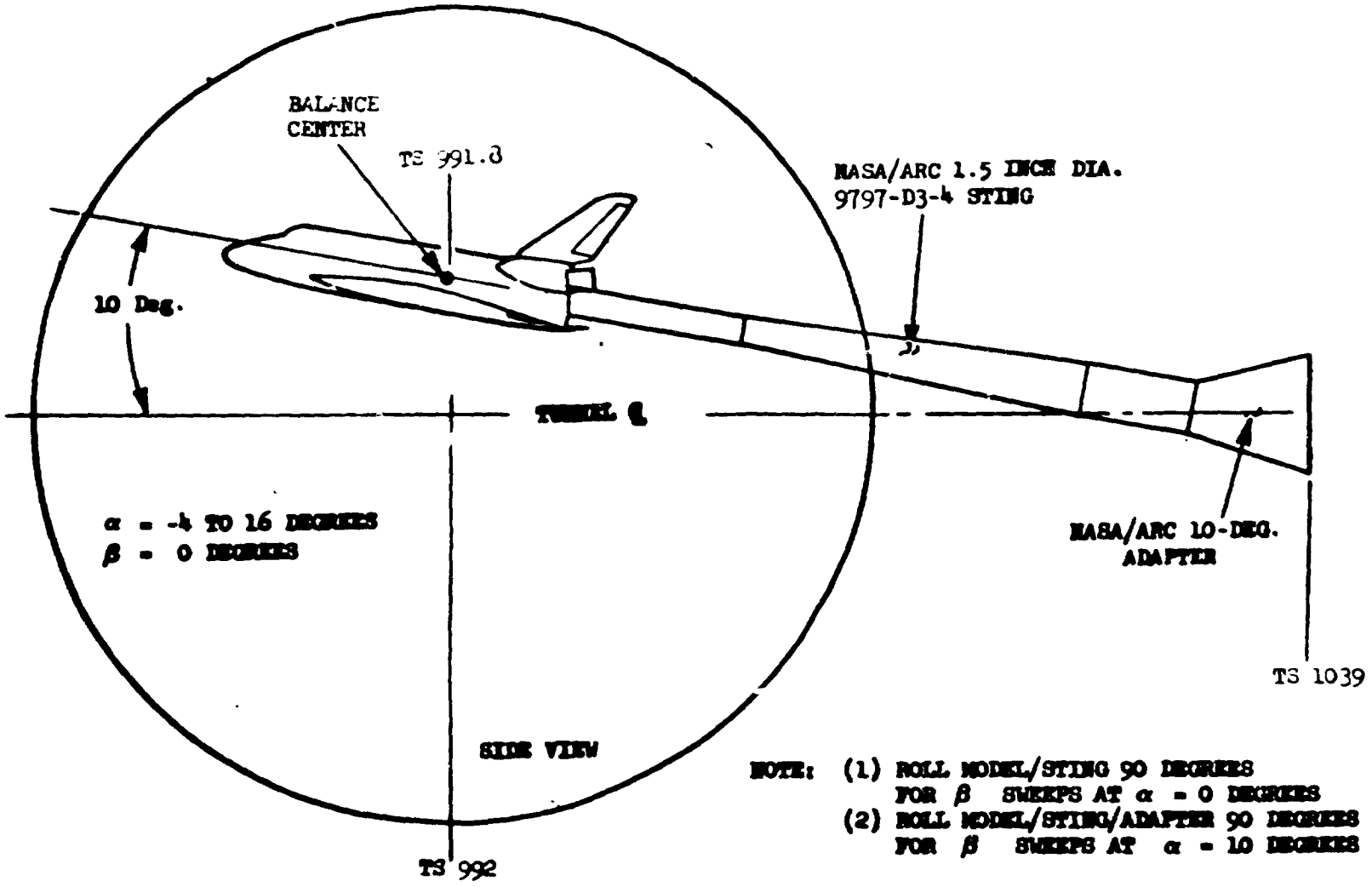
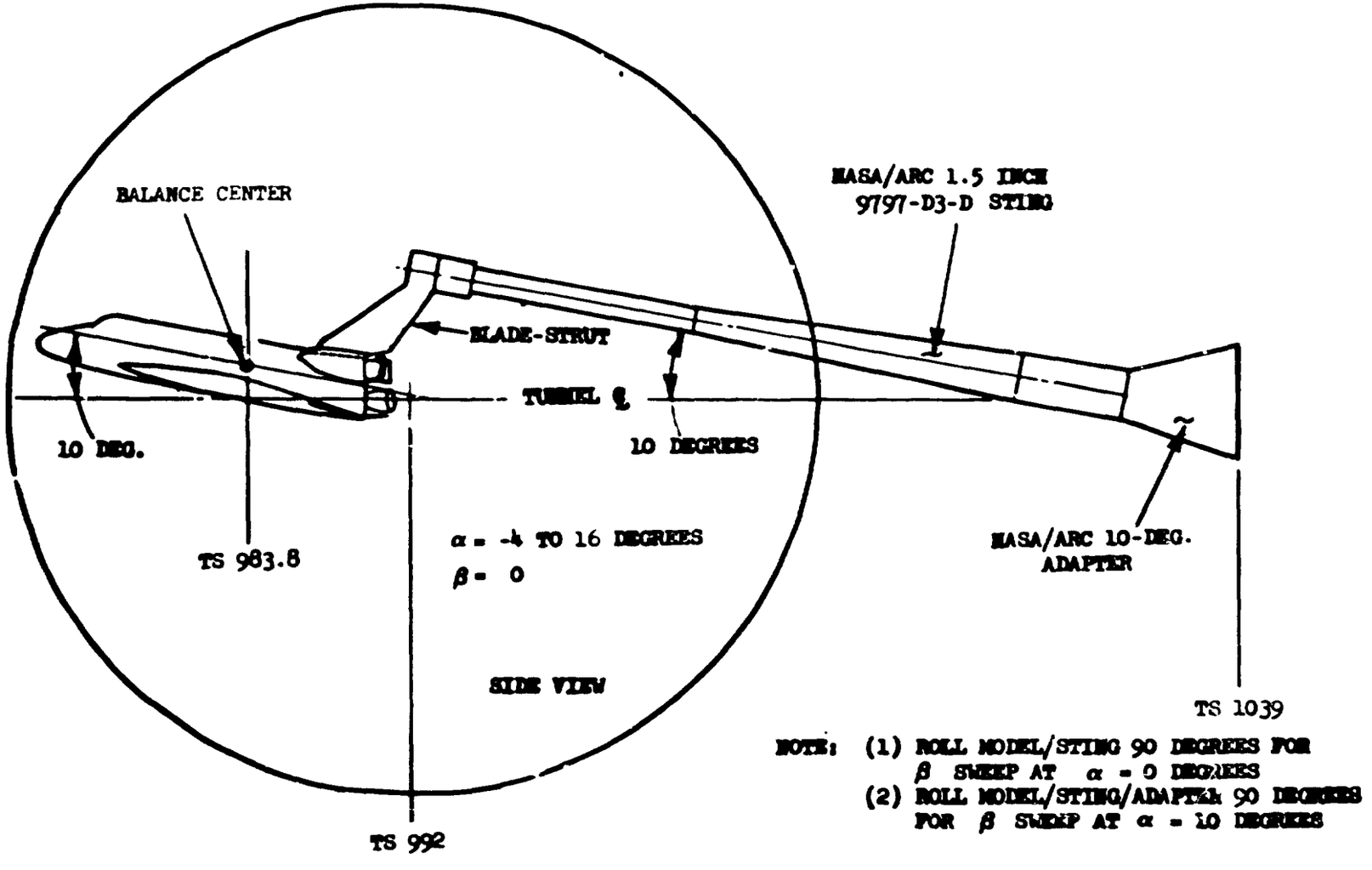


Figure 1. - Axis systems.



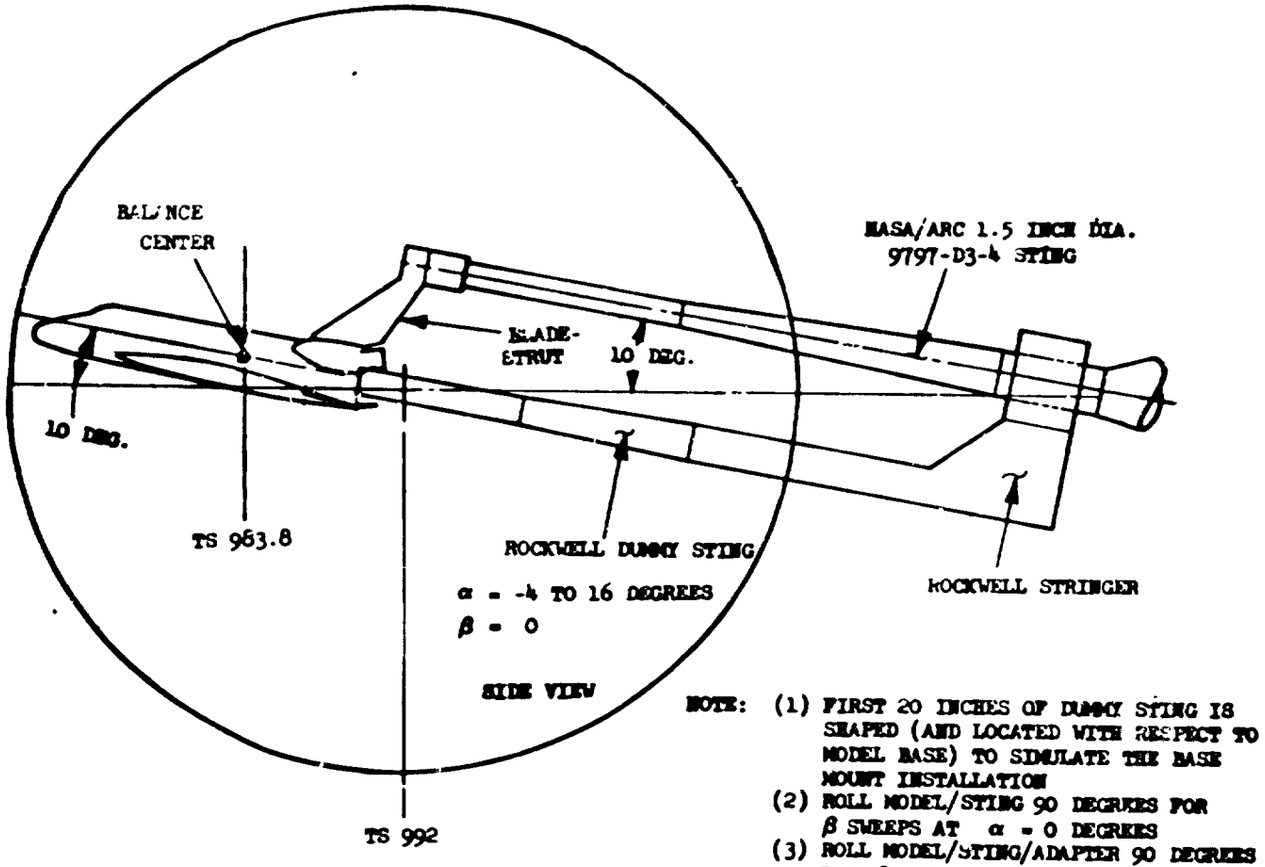
a. Base Mount Tunnel Installation for Test 0A59

Figure 2. - Model sketches.



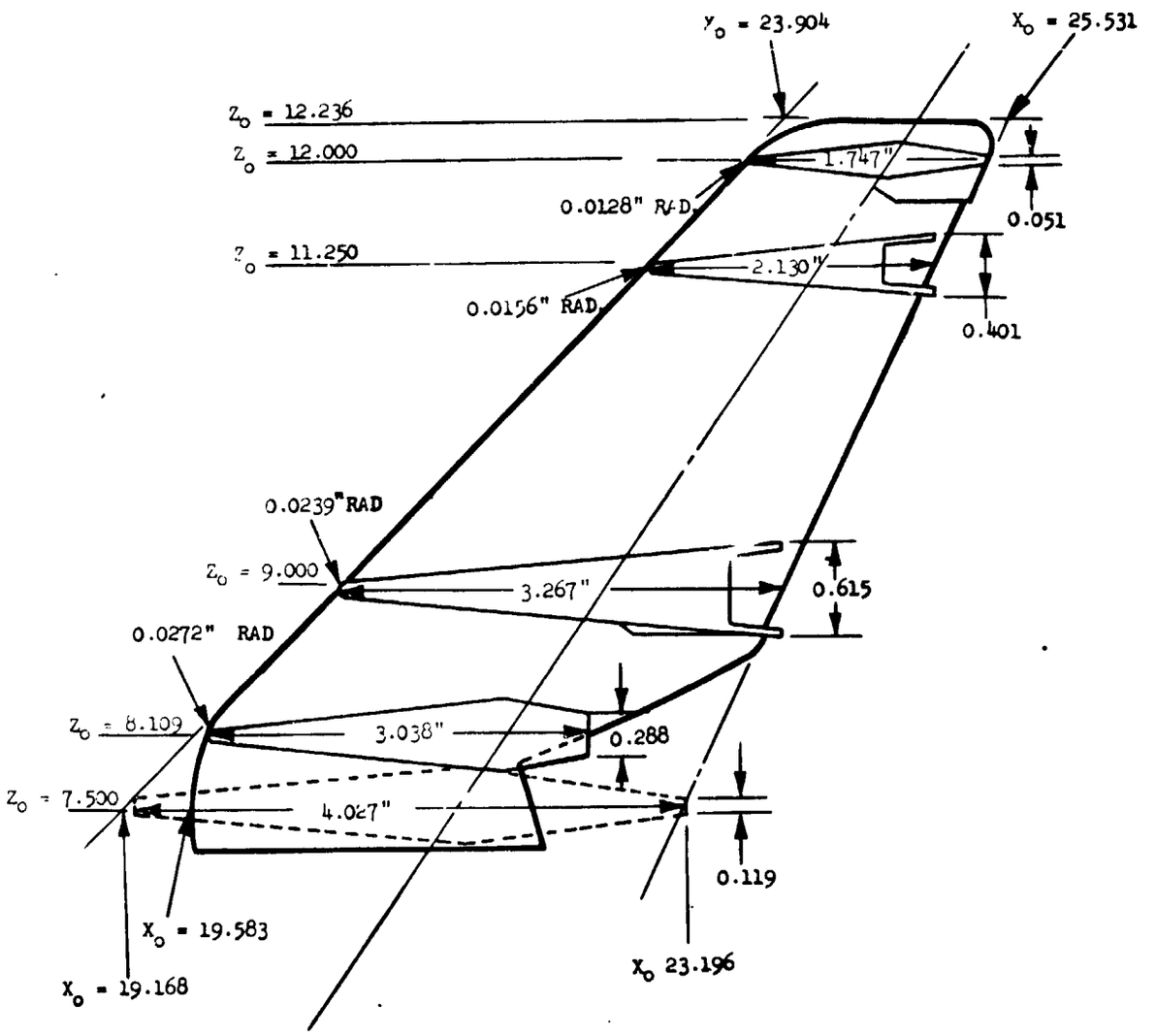
b. Blade-Strut Mount Tunnel Installation for Test OA59

Figure 2. - Continued.



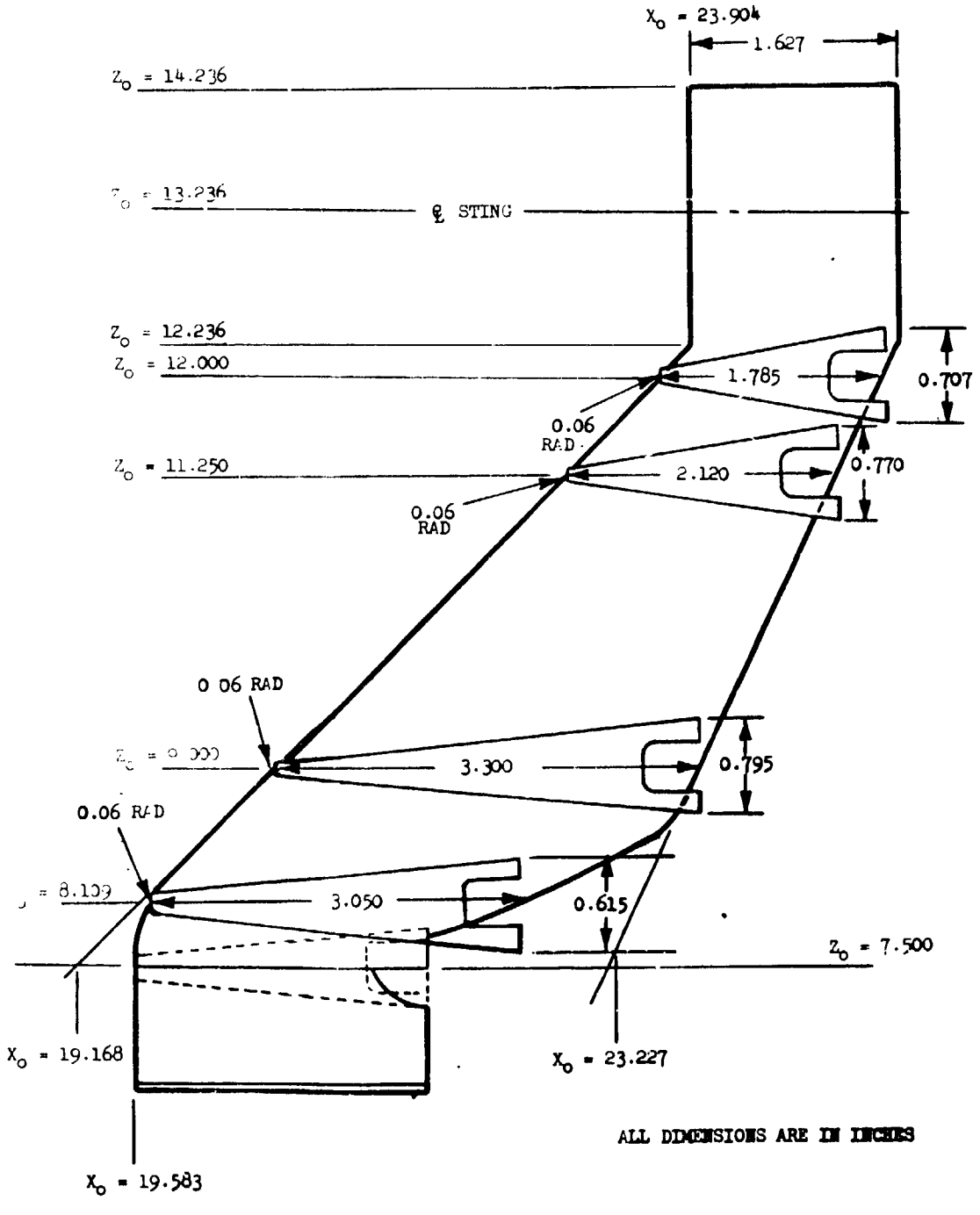
c. Blade-Mount Tunnel Installation with Dummy Sting for Test 0.59

Figure 2. - Continued.

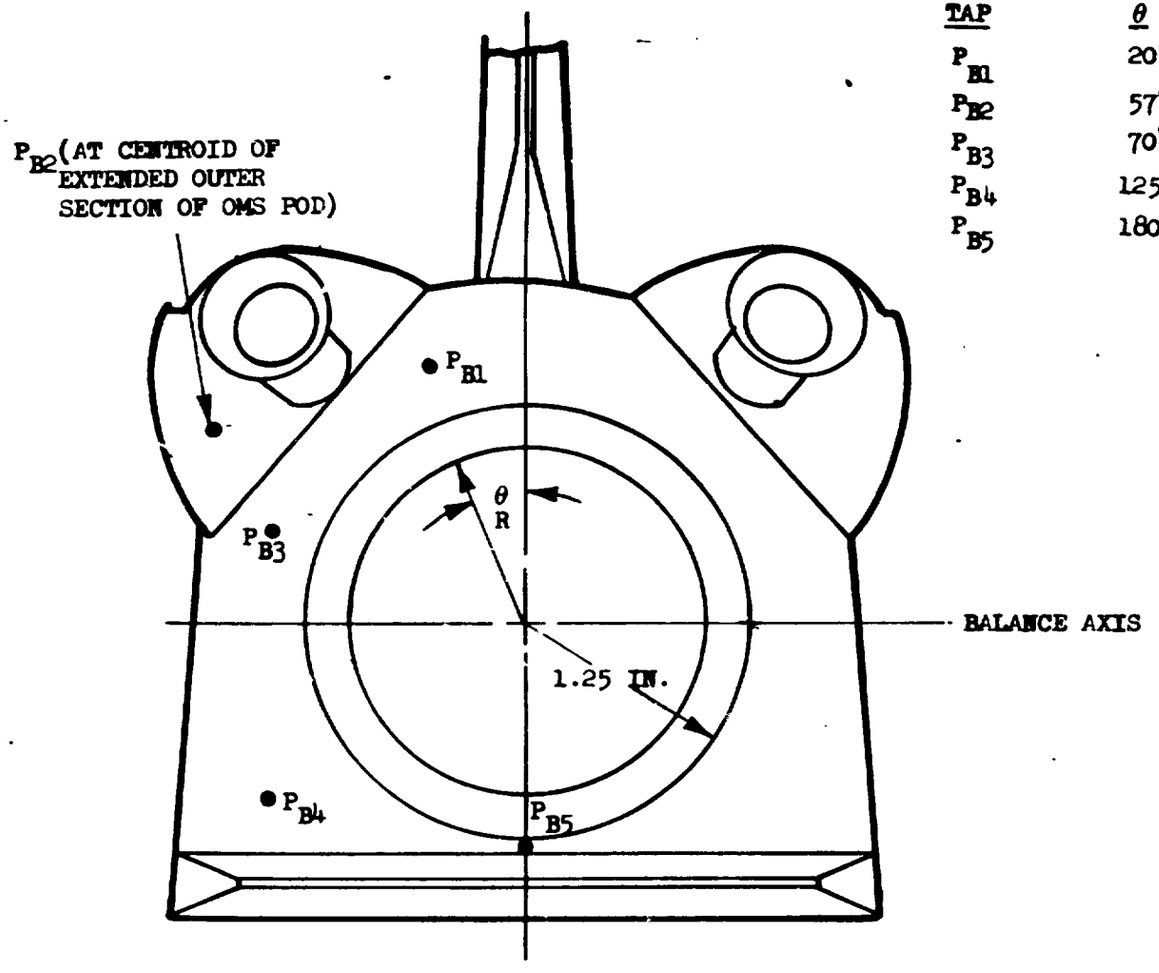


d. Vertical Tail Cross-Sections 24.92° Speed Brake

Figure 2. - Continued.

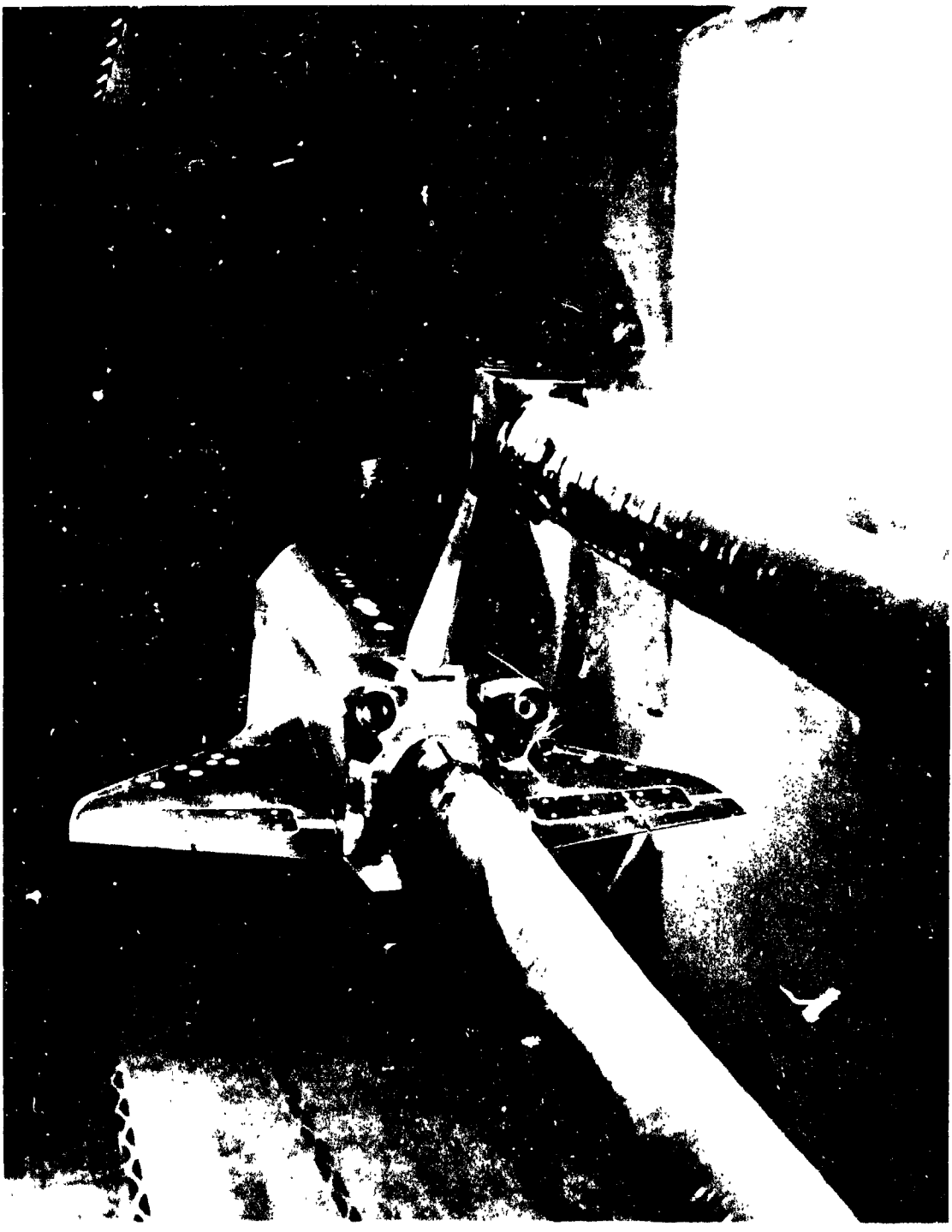


e. Blade-Strut used for Test 0A59
Figure 2. - Continued.



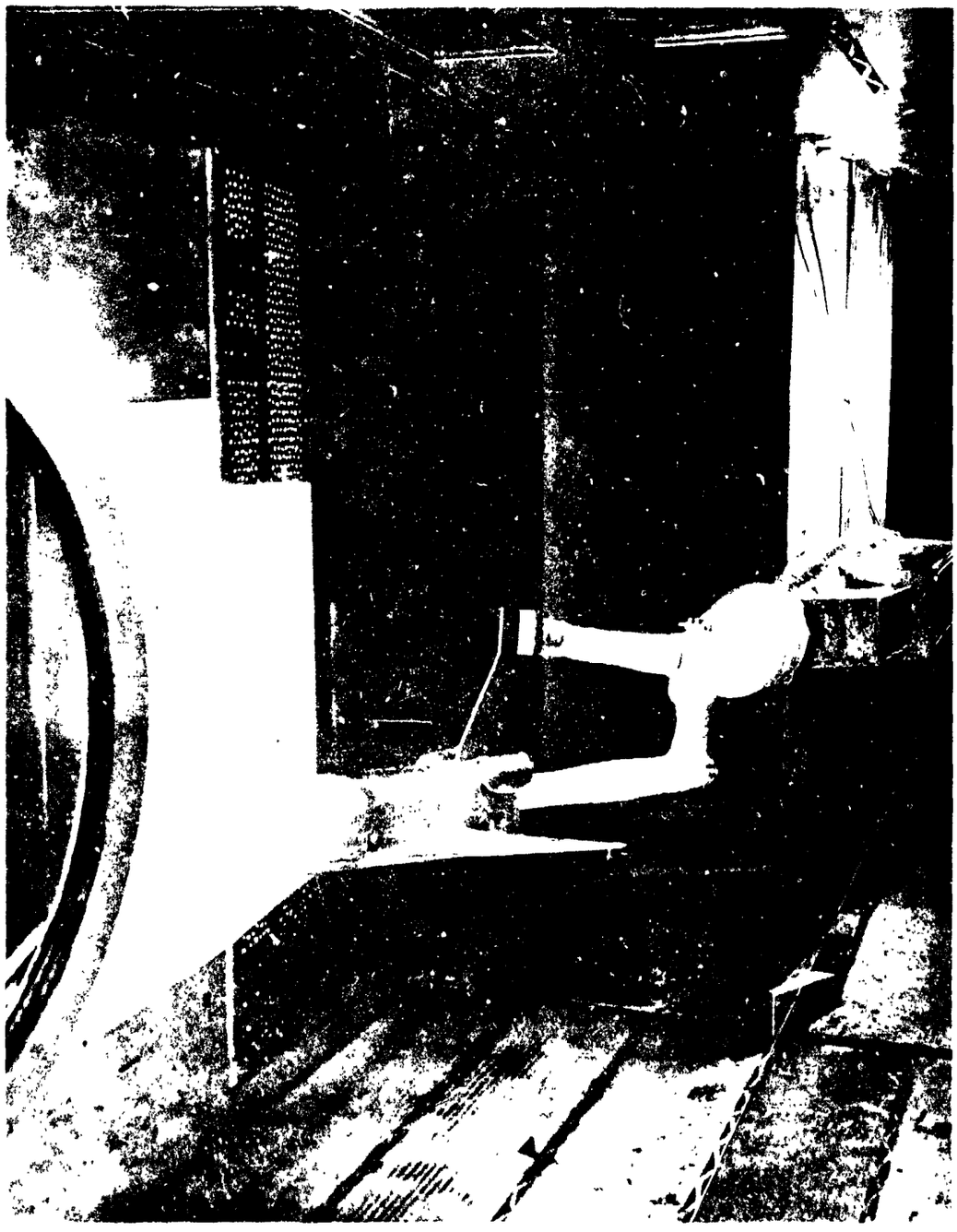
TAP	θ	R
P_{B1}	20°	1.60 IN.
P_{B2}	57°	2.10 IN.
P_{B3}	70°	1.50 IN.
P_{B4}	125°	1.76 IN.
P_{B5}	180°	1.29 IN.

f. Base and Cavity Pressure Locations
Figure 2. - Concluded.



a. Rear 3/4 View

Figure 3. - Model installation photographs.



b. Front 3/4 View

Figure 3. - Concluded.

DATA FIGURES

VOLUME II

FIGURES 10 - 15

(REFER TO VOLUME I
FOR FIGURES 4-9)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YER016)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	DATA NOT AVAILABLE	.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

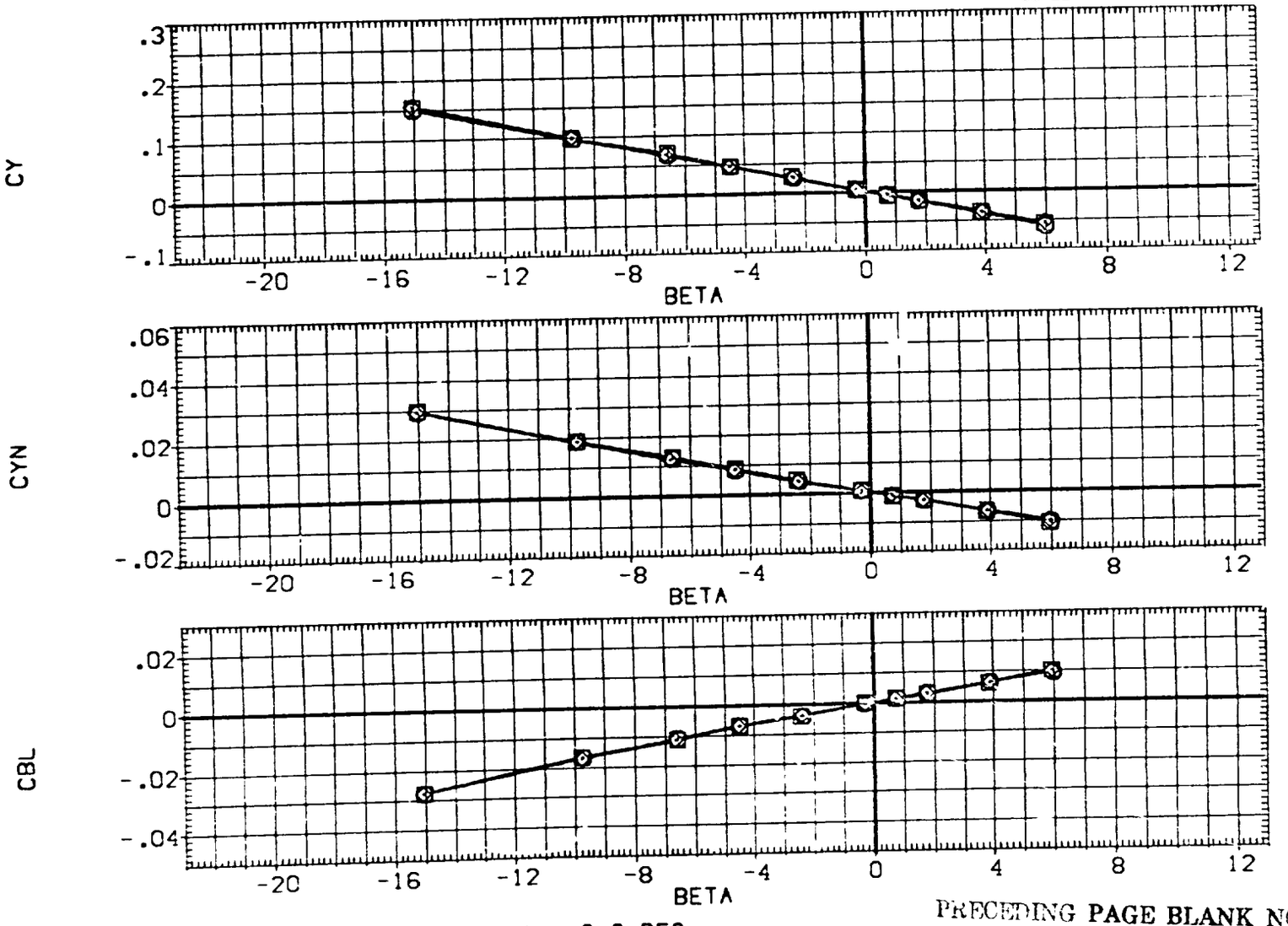


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(YER016)	⊠	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	DATA NOT AVAILABLE	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

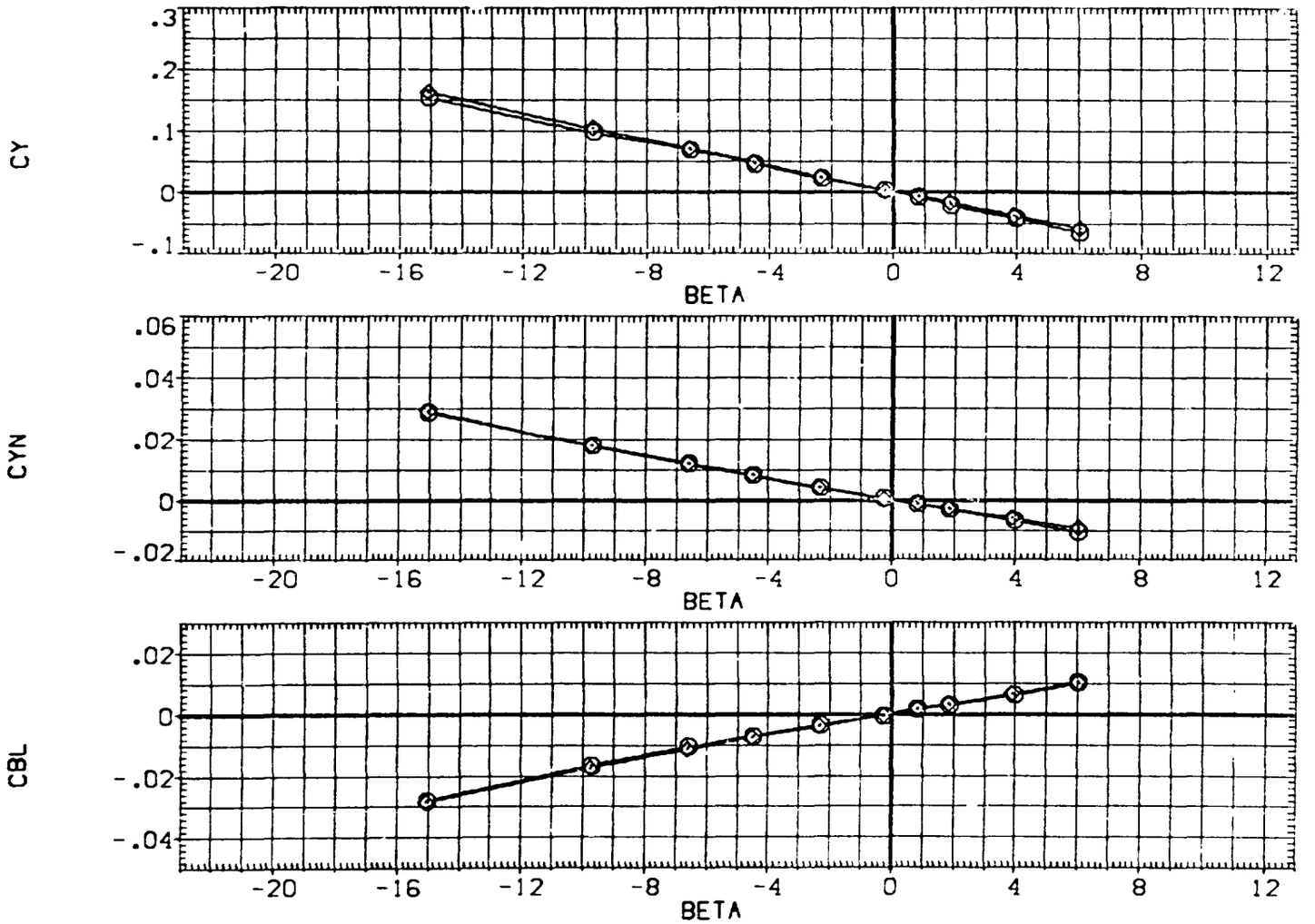


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	◇	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YER016)	⊠	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	DATA NOT AVAILABLE	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

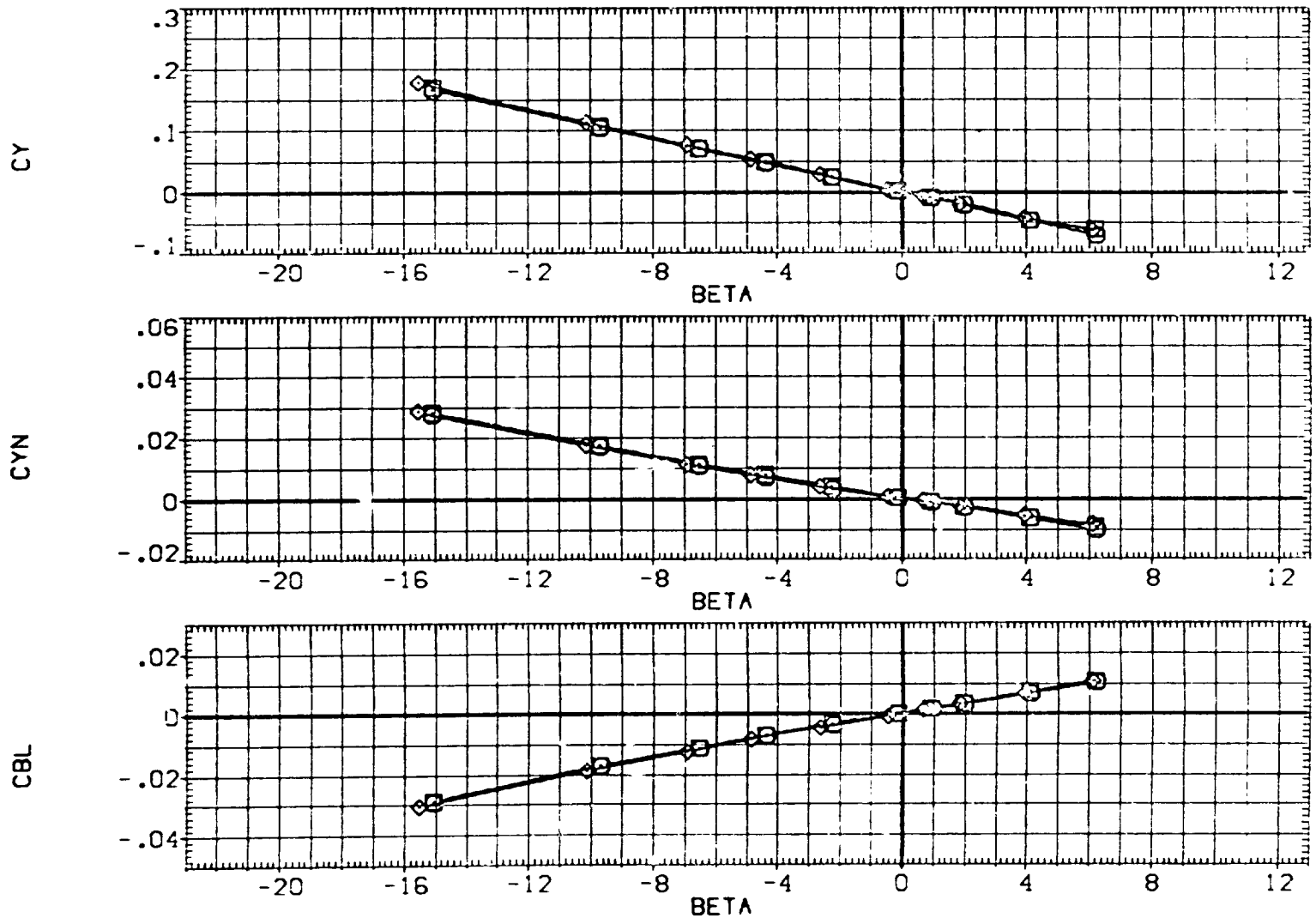


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YER016)	⋈	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	DATA NOT AVAILABLE	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

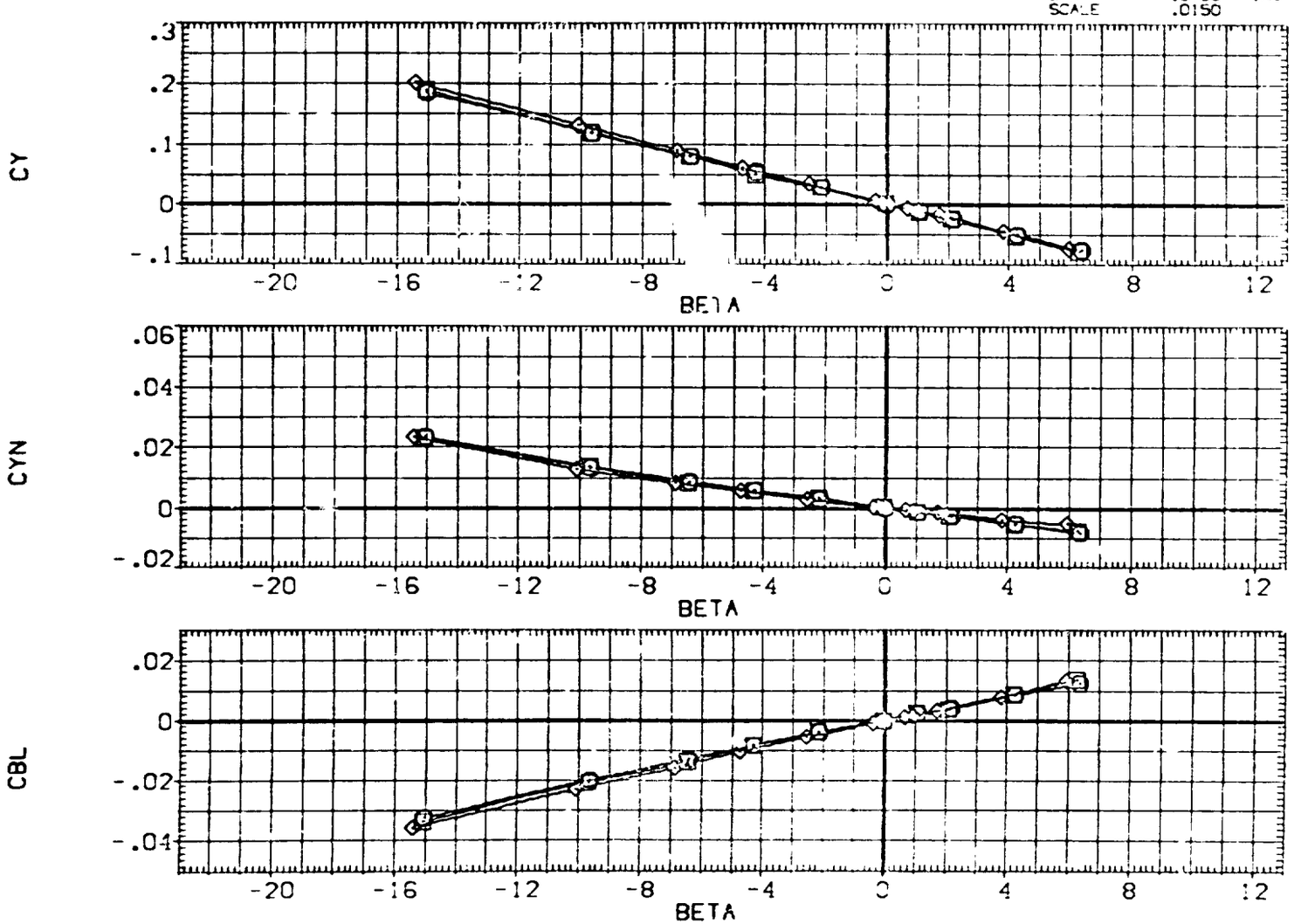


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	◇	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	⊠	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YER016)	⋈	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1110	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

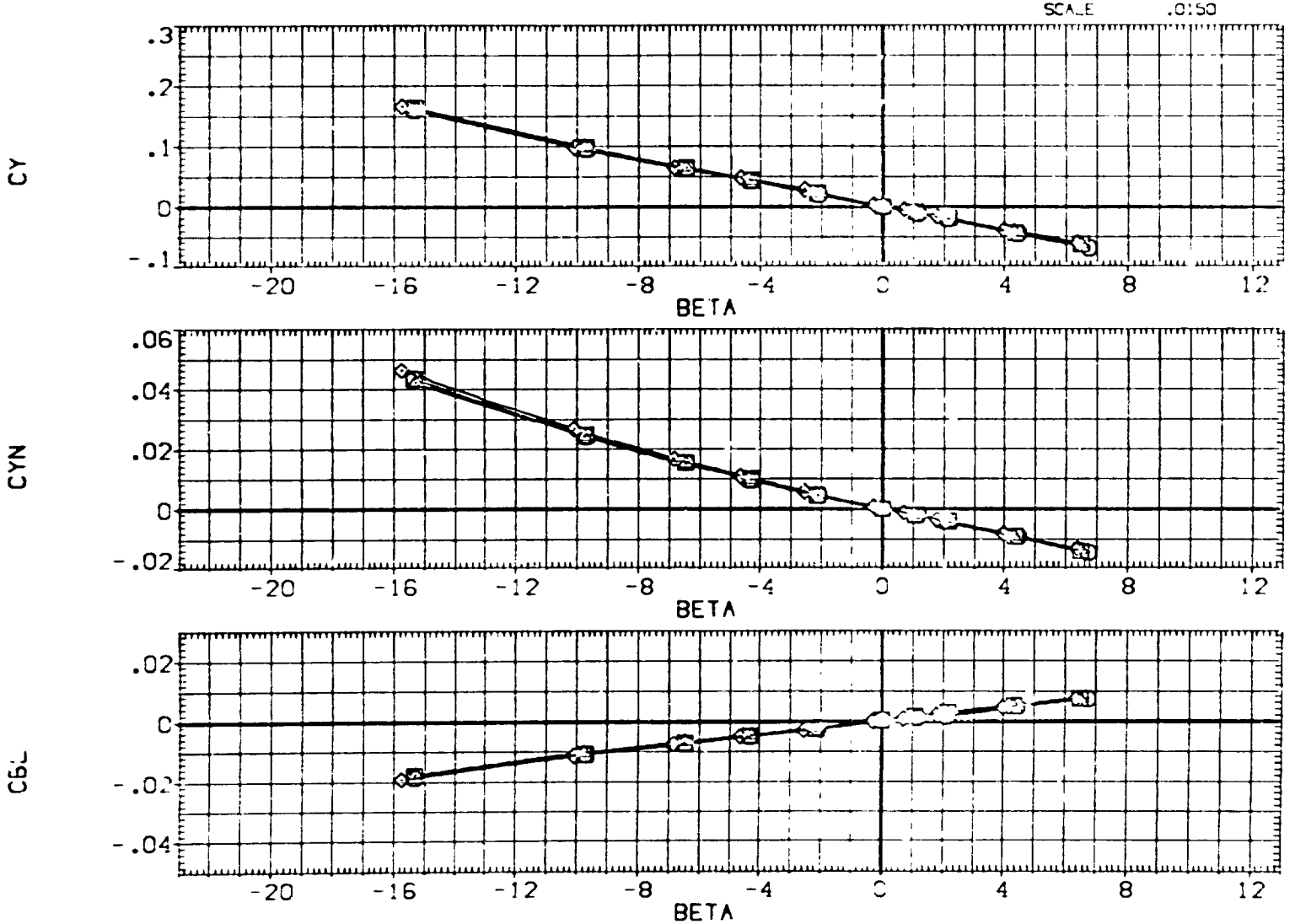


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(E)MAC = 1.20

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YERO07)		DATA NOT AVAILABLE	.000	.000	-11.700
(YERO10)		ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YERO16)		ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YERO17)		ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

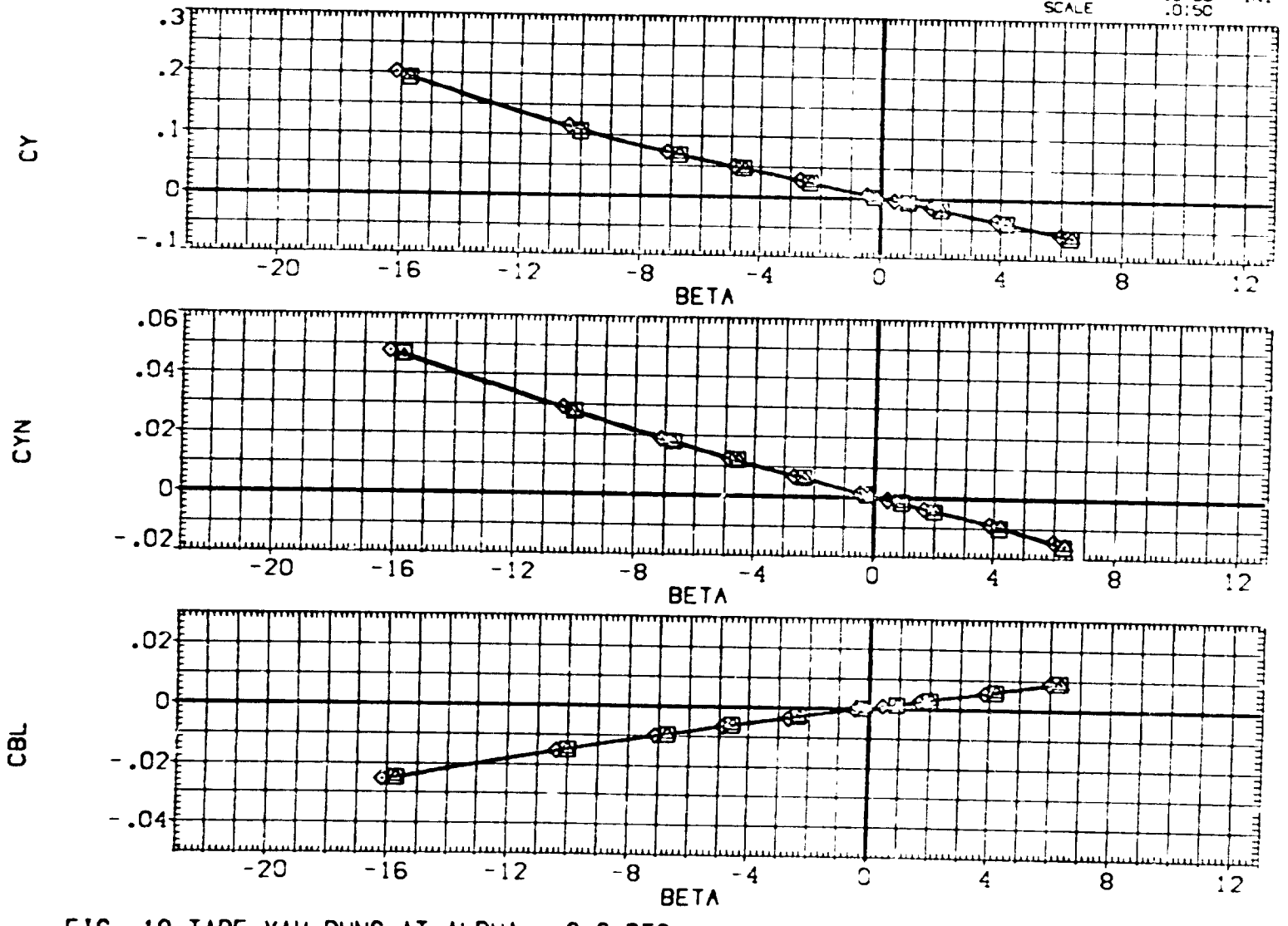


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(F)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER007)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	.000	.000	-11.700
(YER010)	◇	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(YER016)	○	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(YER017)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

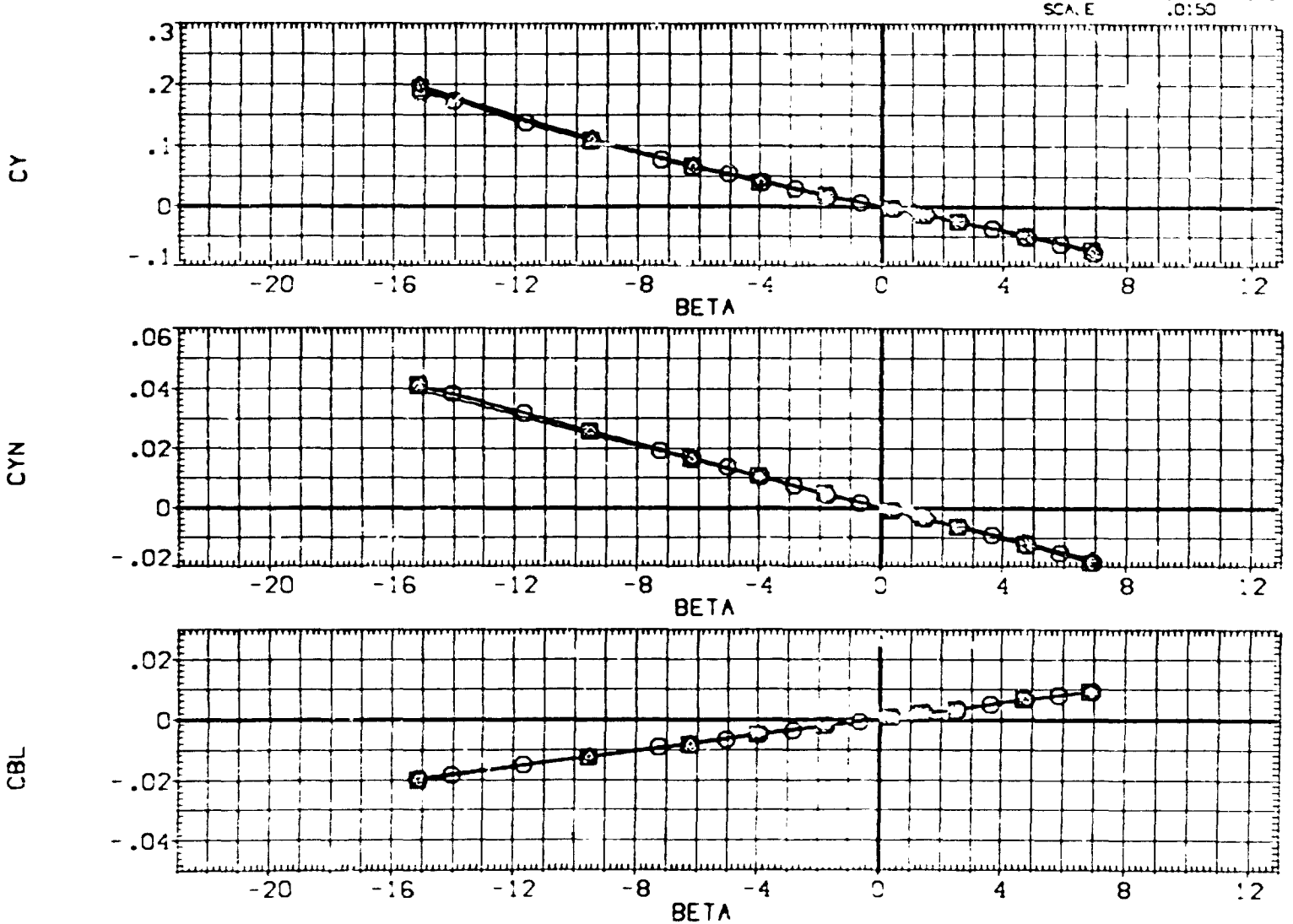


FIG. 10 TARE YAW RUNS AT ALPHA = 0.0 DEG.

(G)MACH = 2.00

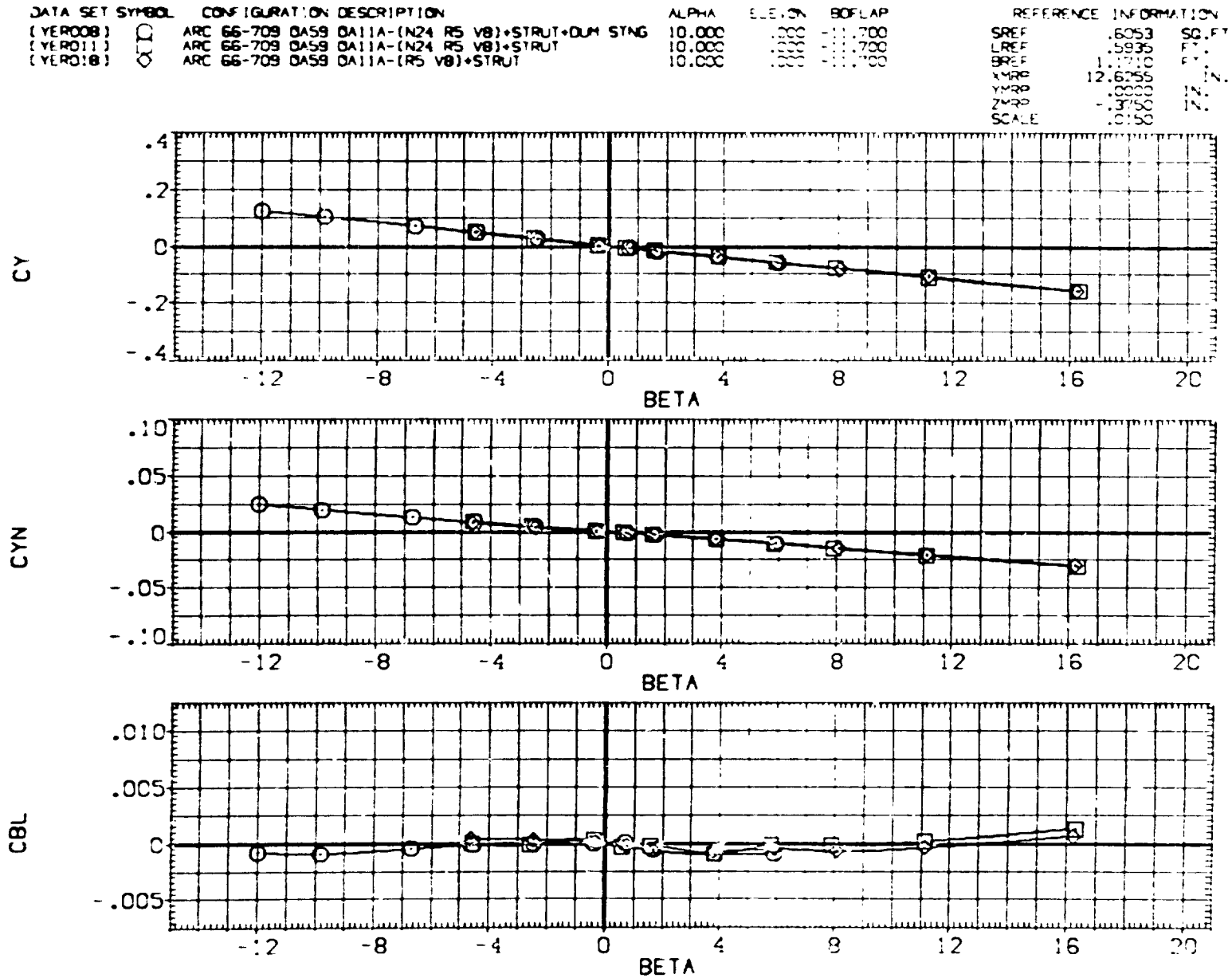


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(A)MACH = .60

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER008)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	10.000	.000	-11.700
(YER011)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YER018)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

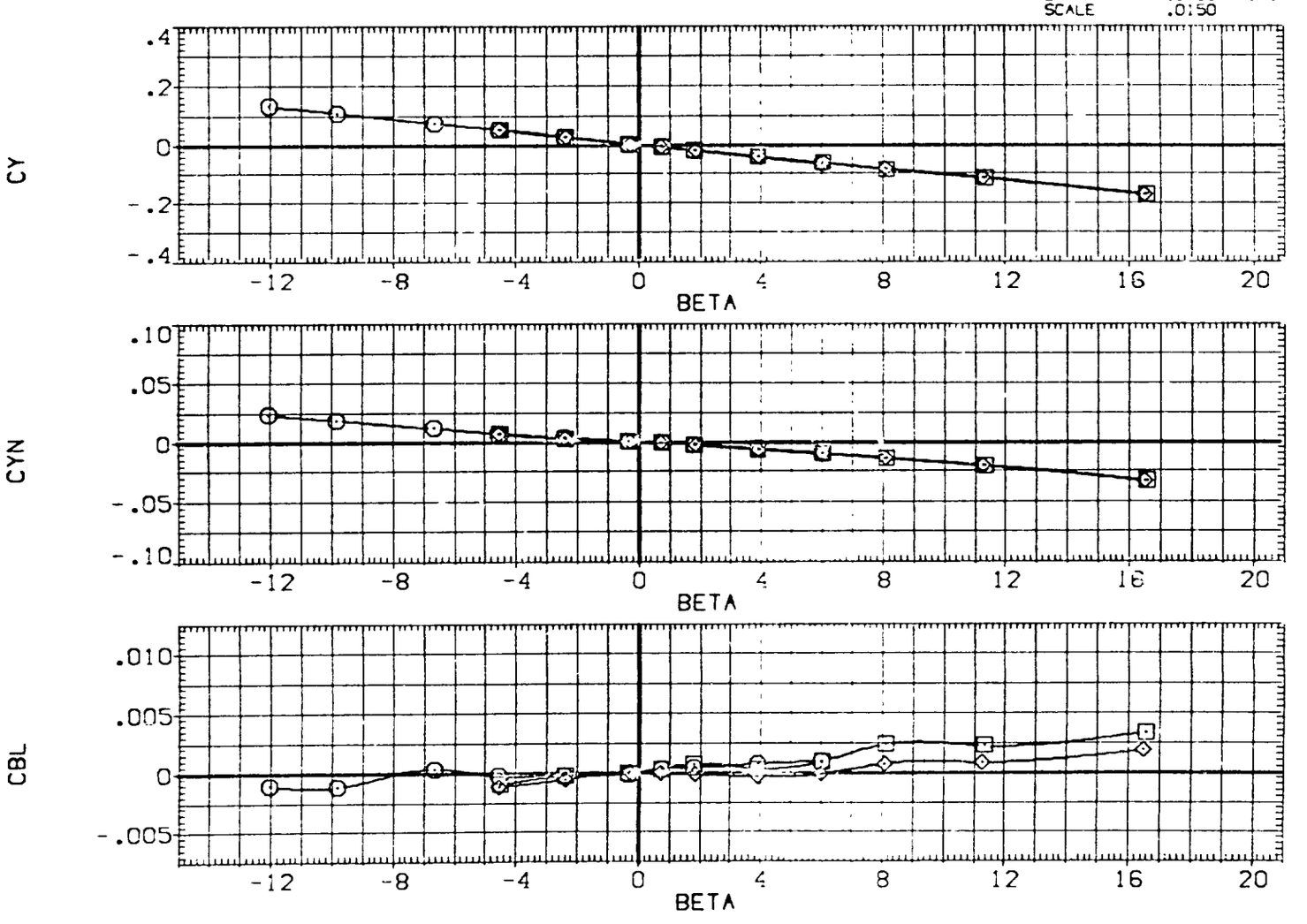


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(B)MACH = .70

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER008)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	10.000	.000	-11.700
(YER011)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YER018)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

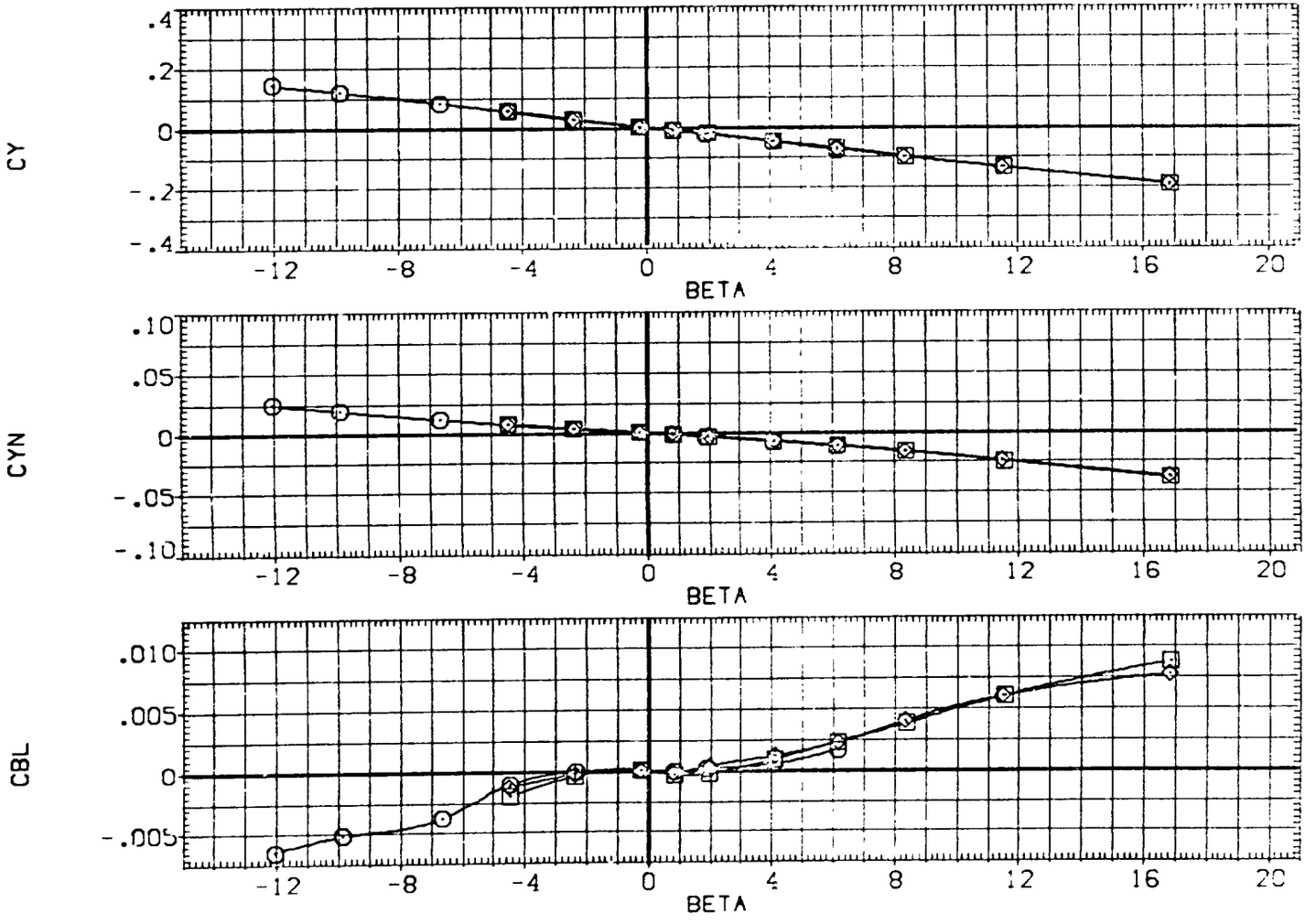


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BDFLAP
(YERO08)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	10.000	.000	-11.700
(YERO11)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YERO18)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

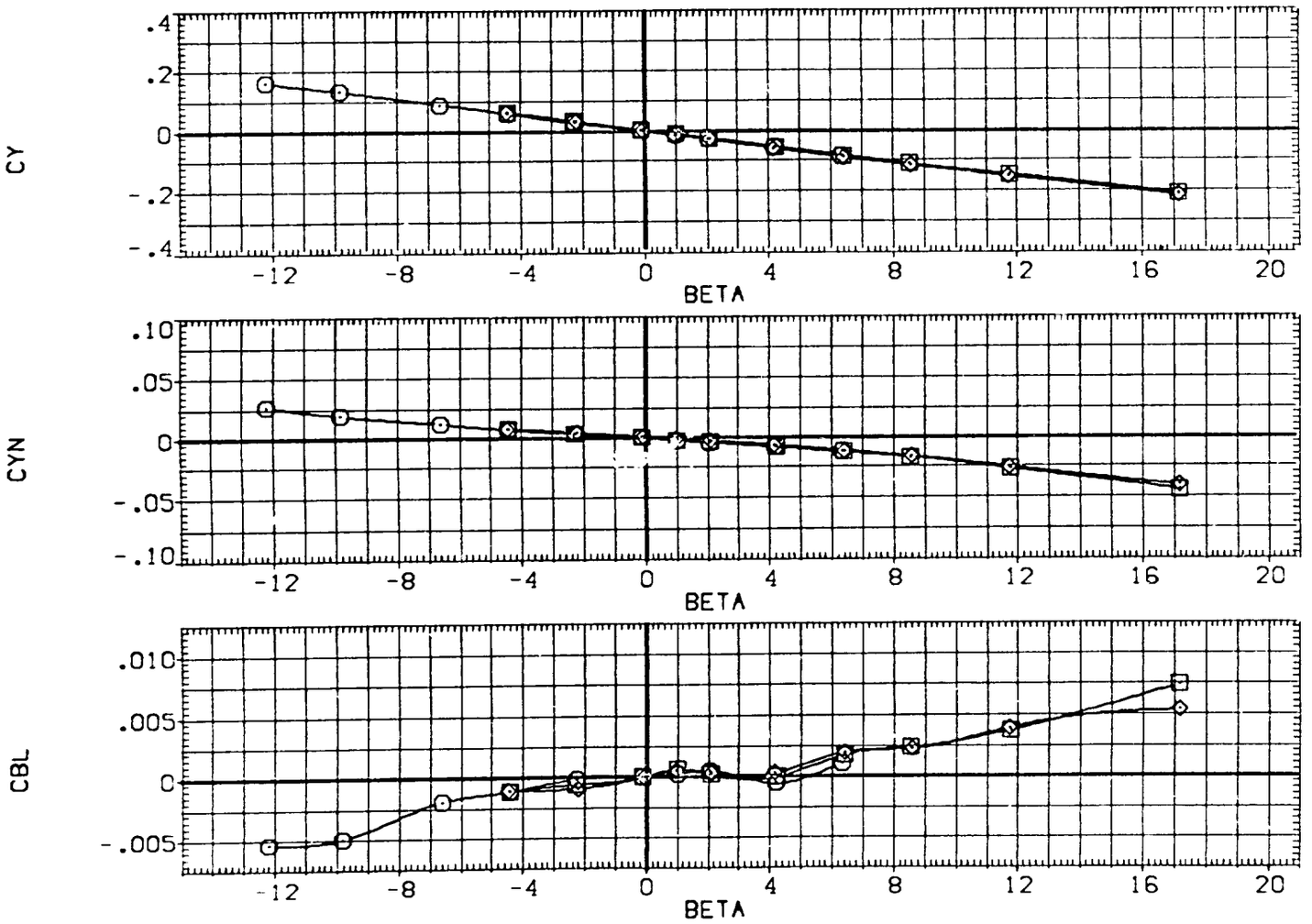


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER008)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	10.000	.000	-11.700
(YER011)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YER018)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

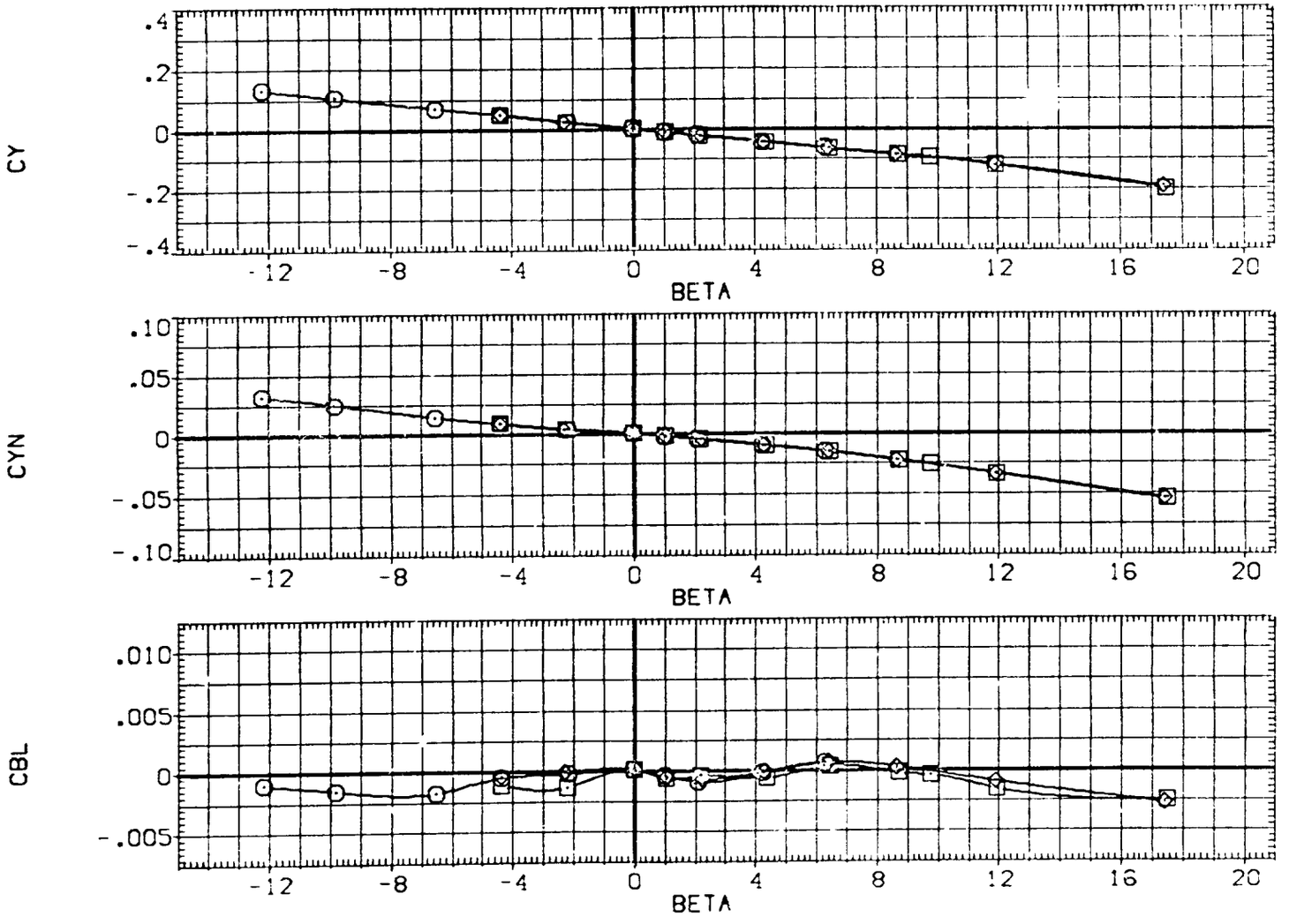


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(E)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER008) ○	DATA NOT AVAILABLE	10.000	.000	-11.700
(YER011) □	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YER018) ◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

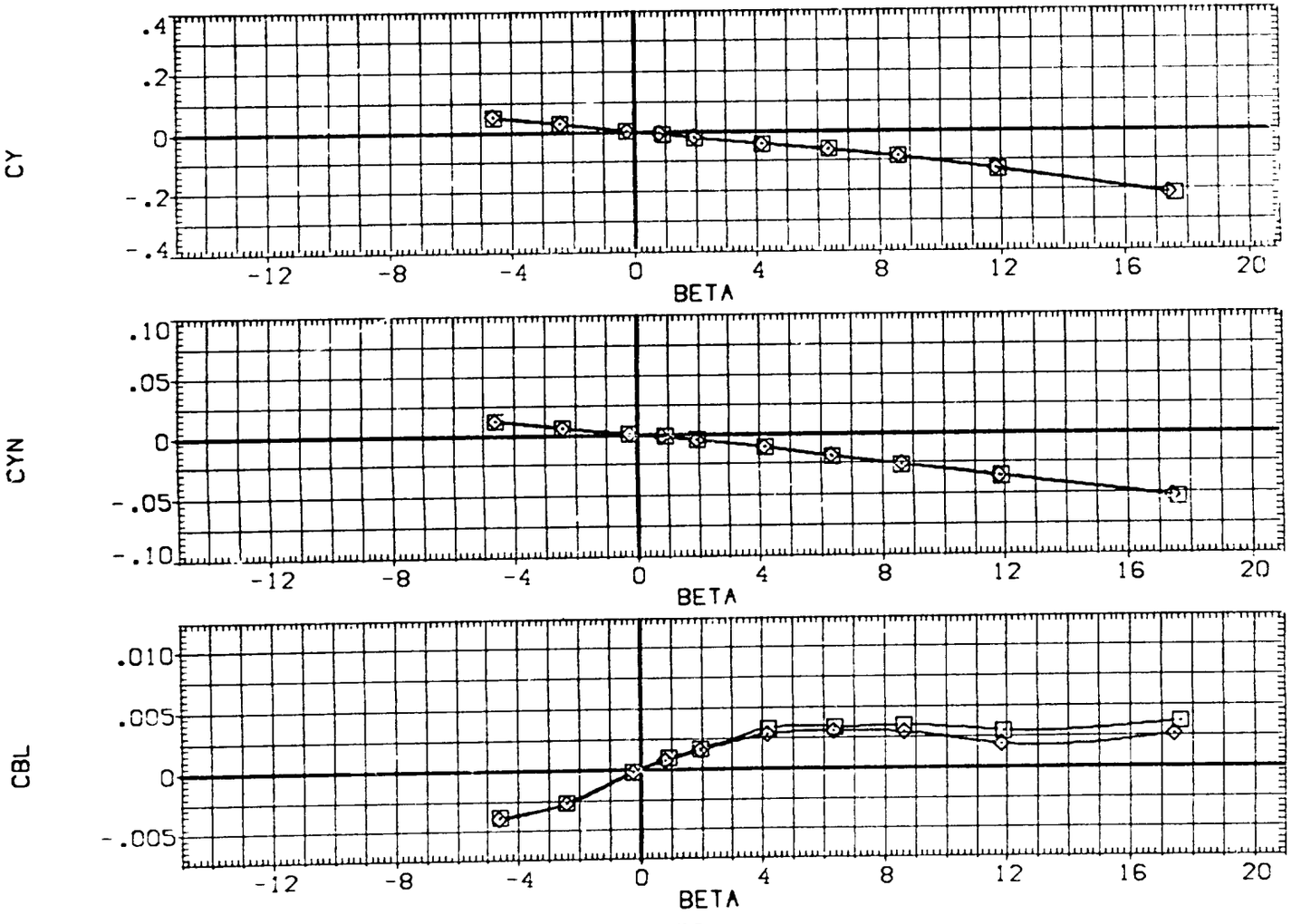


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(F)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(YER008)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT+DUM STNG	10.000	.000	-11.700
(YER011)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(YER018)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.9935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

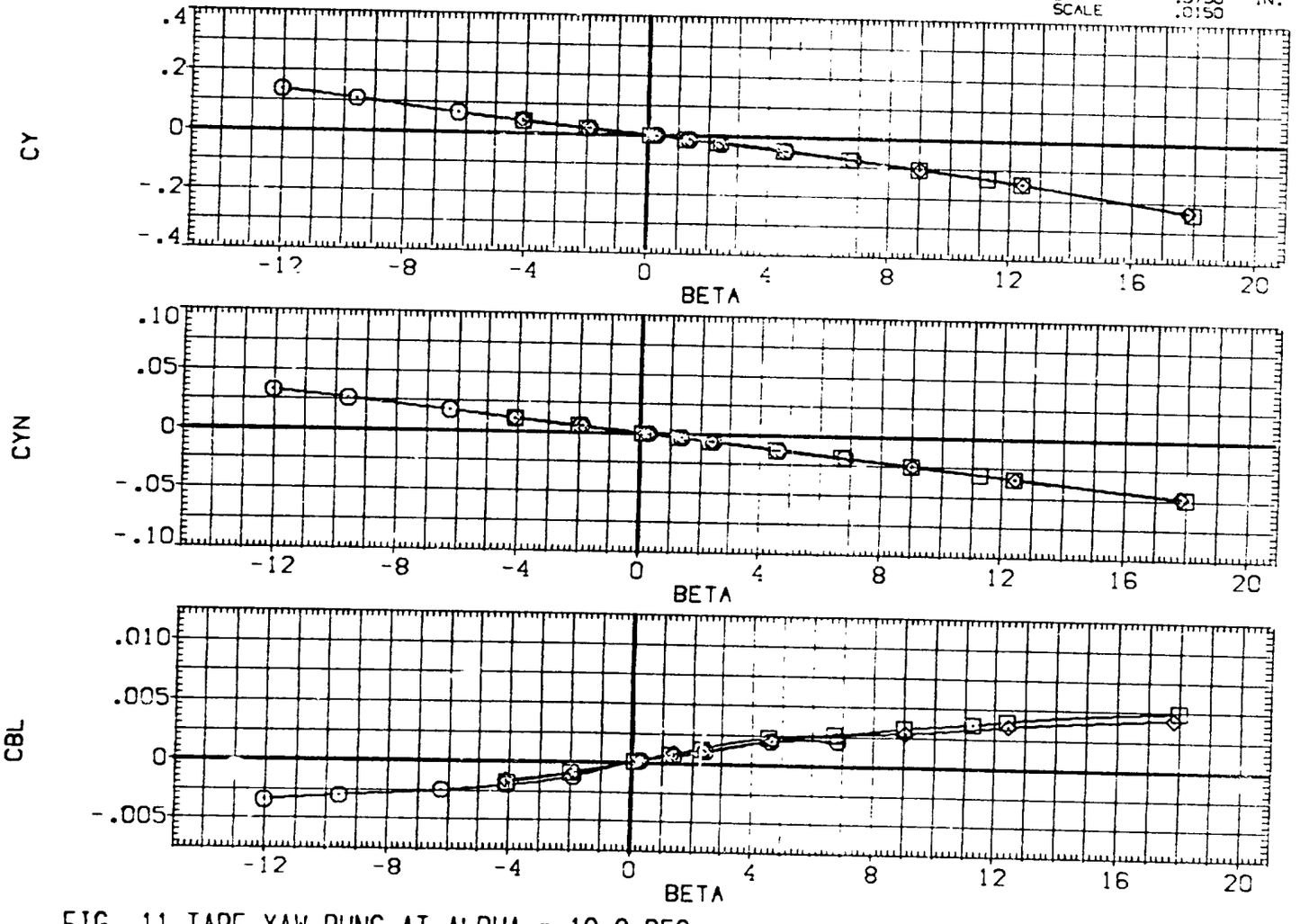


FIG. 11 TARE YAW RUNS AT ALPHA = 10.0 DEG.

(G)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(1ER010)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(1ER011)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(1ER016)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(1ER018)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

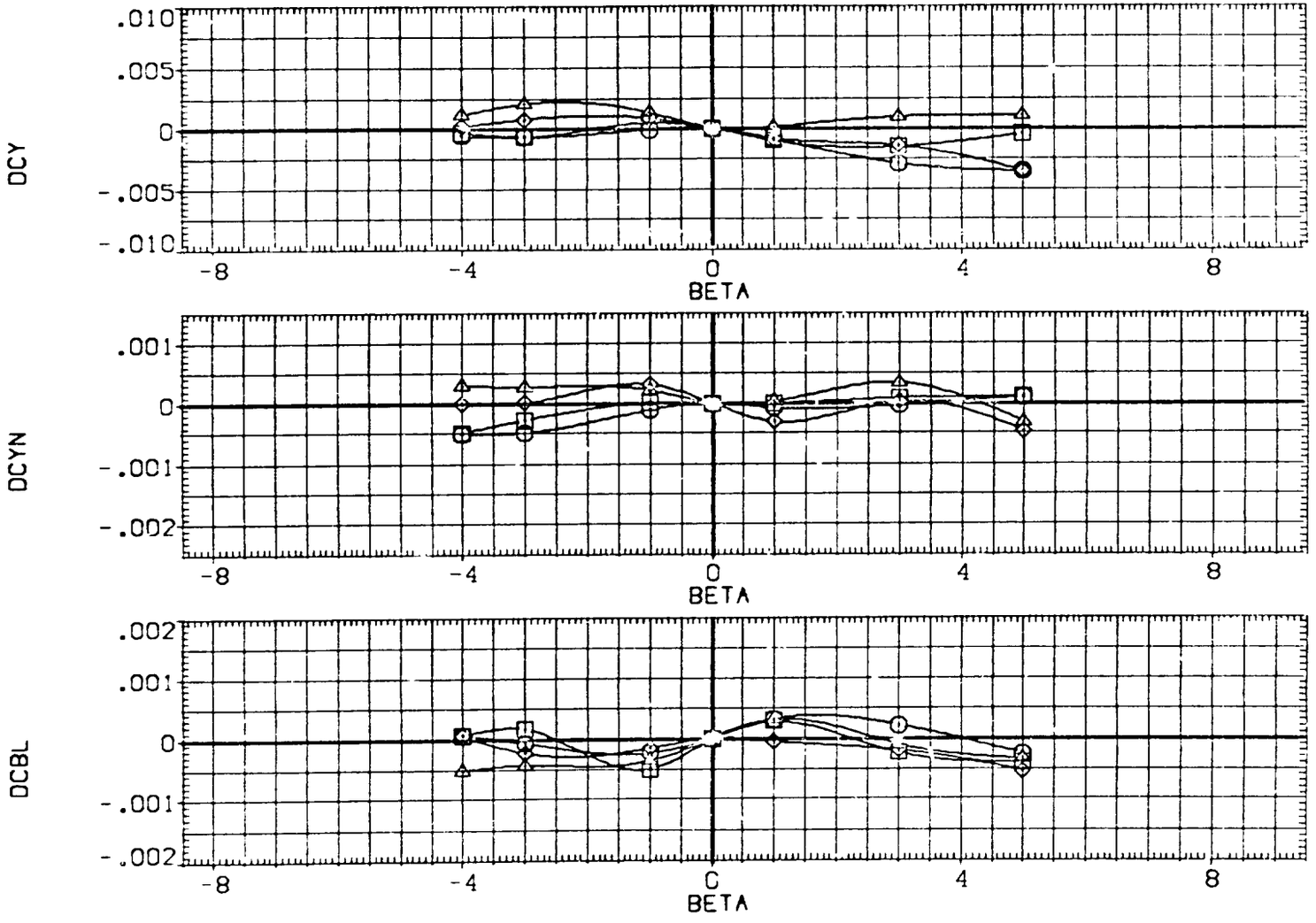


FIG. 12 YAW DATA TARES

(A)MACH = .60

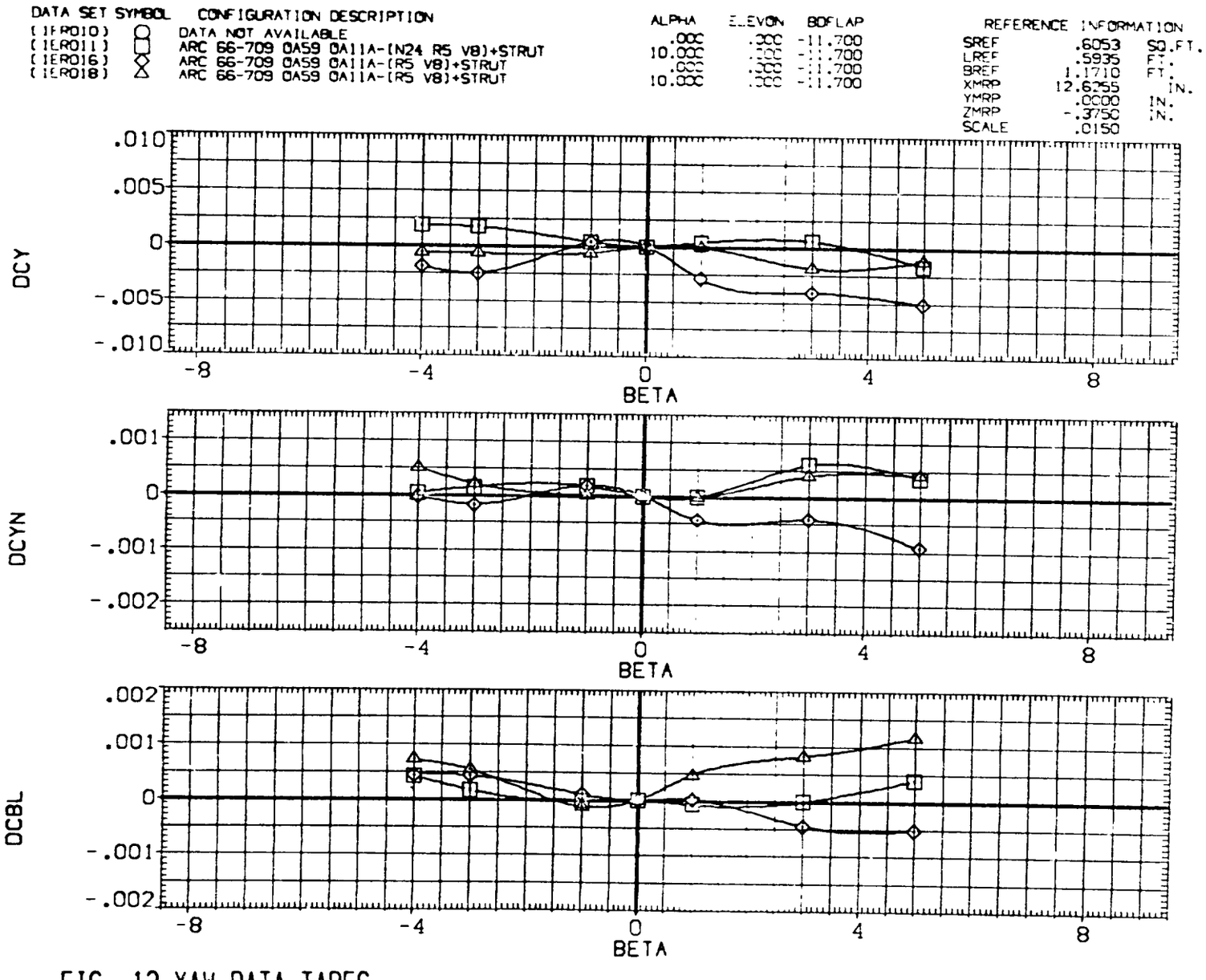


FIG. 12 YAW DATA TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(ERO10)	◯	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(ERO11)	⊠	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(ERO16)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(ERO18)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

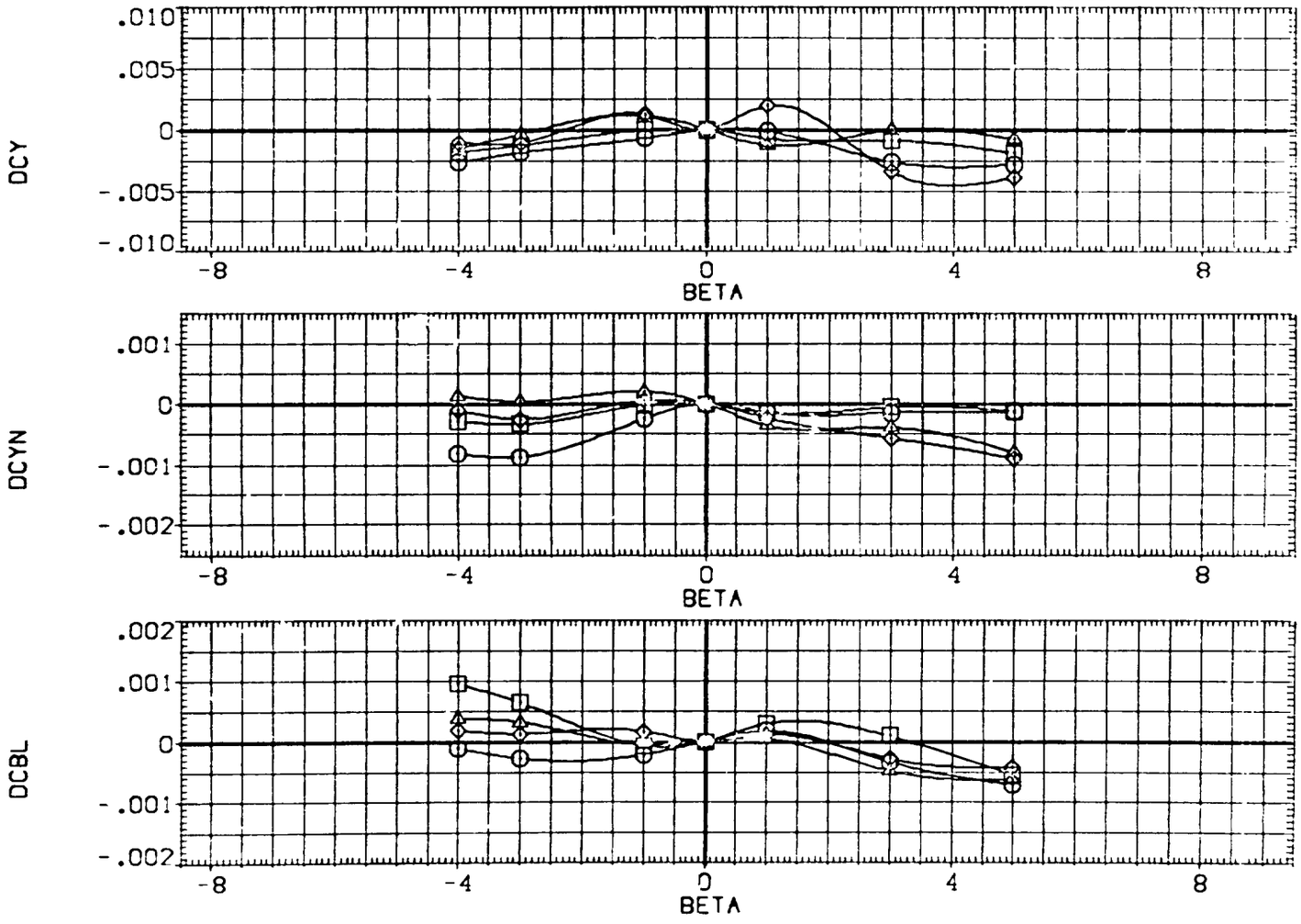


FIG. 12 YAW DATA TARES

(C)MAC = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(1ERO10)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT
(1ERO11)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT
(1ERO16)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT
(1ERO18)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT

ALPHA	ELEVON	BDFLAP
.000	.000	-11.700
10.000	.000	-11.700
.000	.000	-11.700
10.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

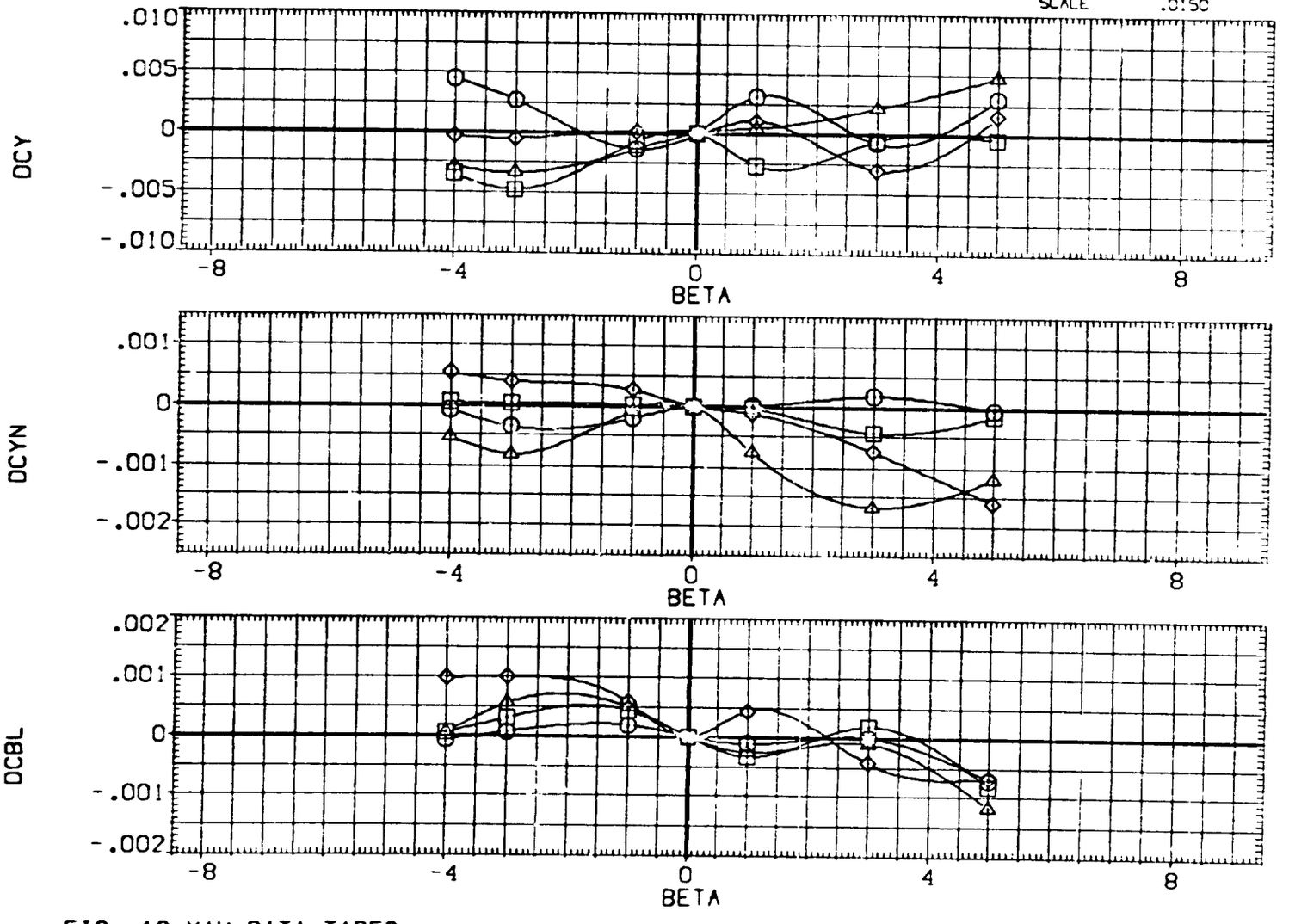


FIG. 12 YAW DATA TARES

(D)MAC = .90

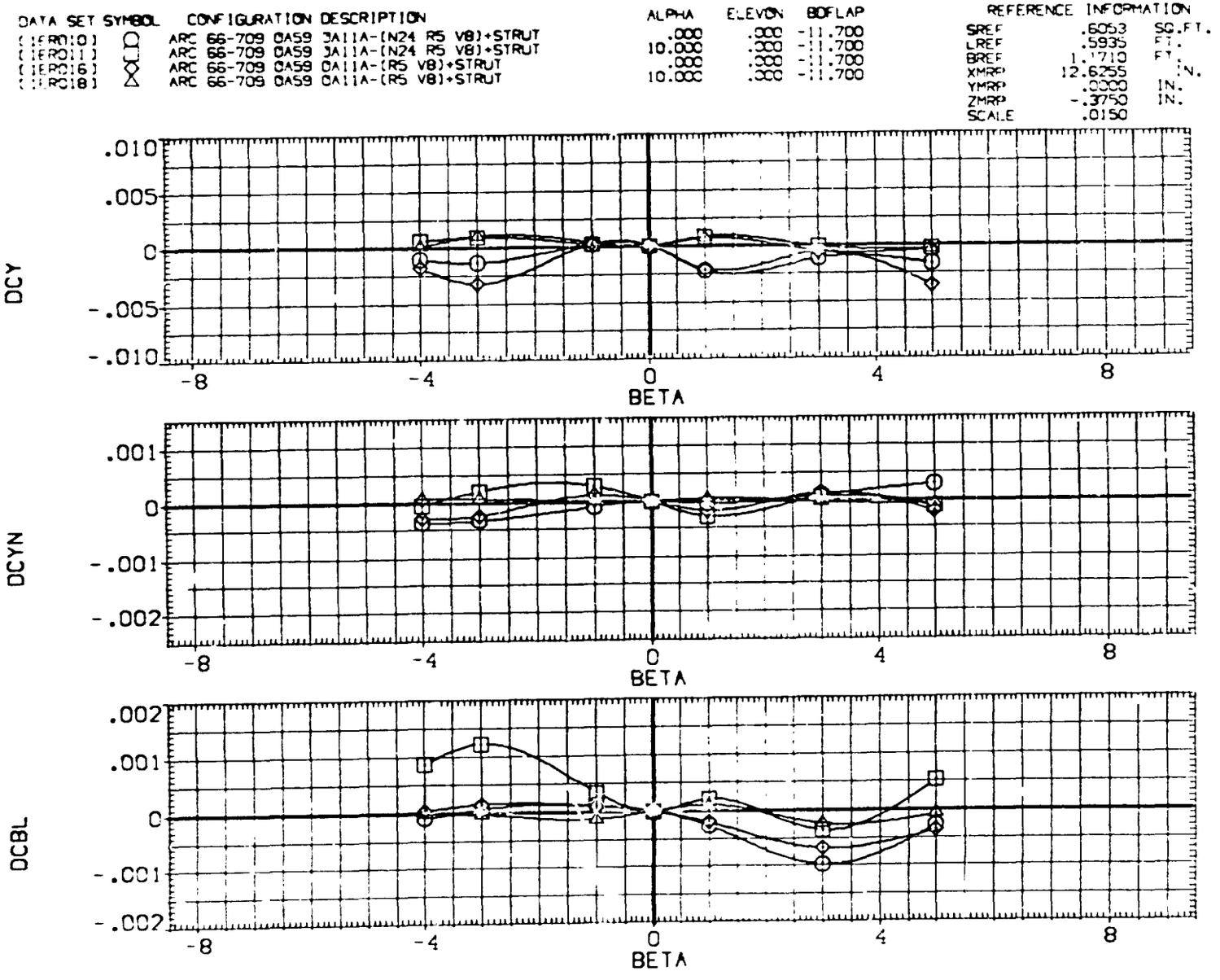


FIG. 12 YAW DATA TARES

(E)MAC = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BDFLAP
(1ER010)	○	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	.000	.000	-11.700
(1ER011)	□	ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT	10.000	.000	-11.700
(1ER016)	◇	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	.000	.000	-11.700
(1ER018)	△	ARC 66-709 0A59 0A11A-(R5 V8)+STRUT	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

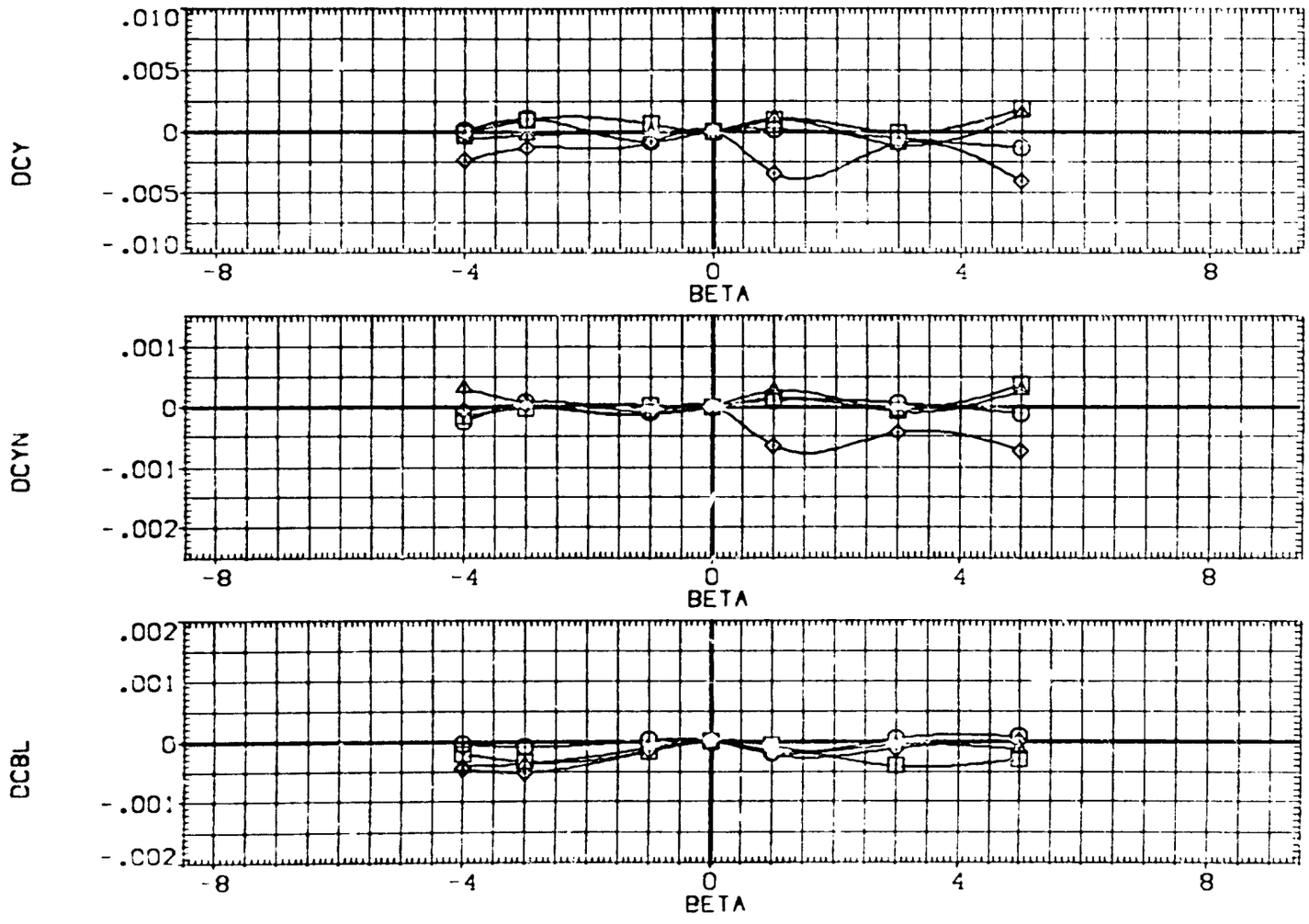


FIG. 12 YAW DATA TARES

(F)MAC-1 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	○	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(:FR019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(:FRO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

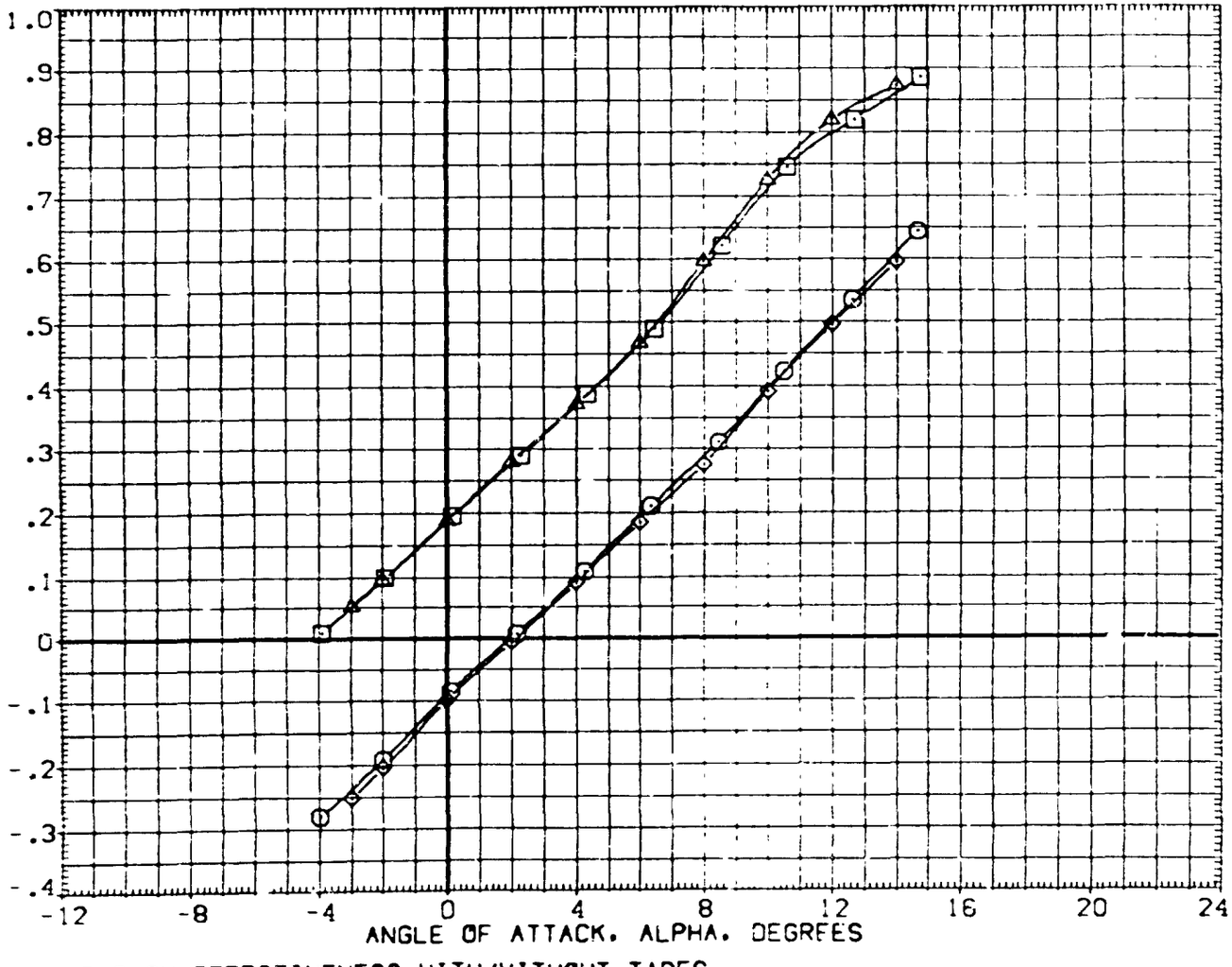


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6253	SQ.FT.
LREF	.5935	FT.
BREF	[illegible]	FT.
XMRP	12.6755	IN.
YMRP	[illegible]	IN.
ZMRP	-.3750	IN.
SCALE	10.50	

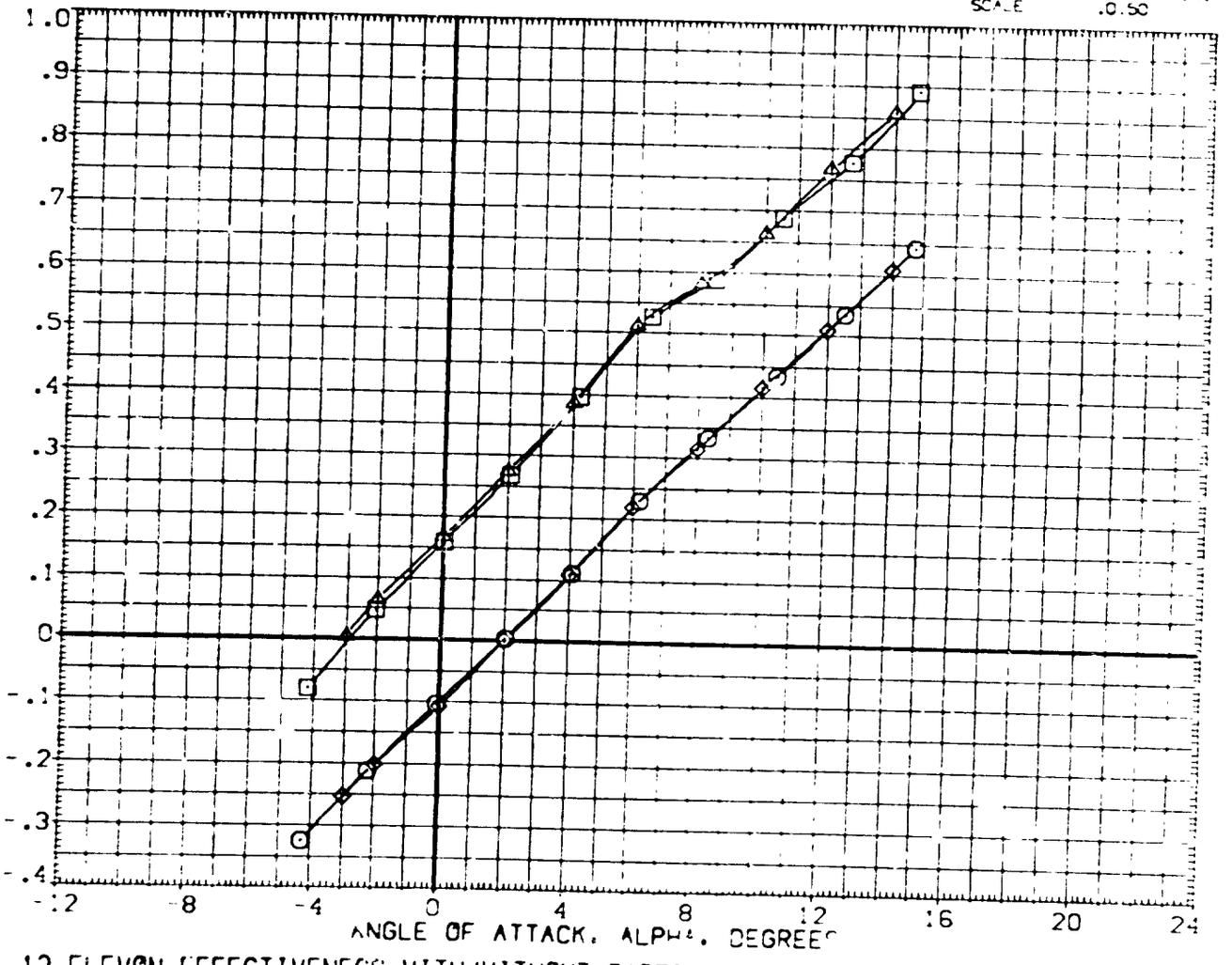


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)M*C[illegible] = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

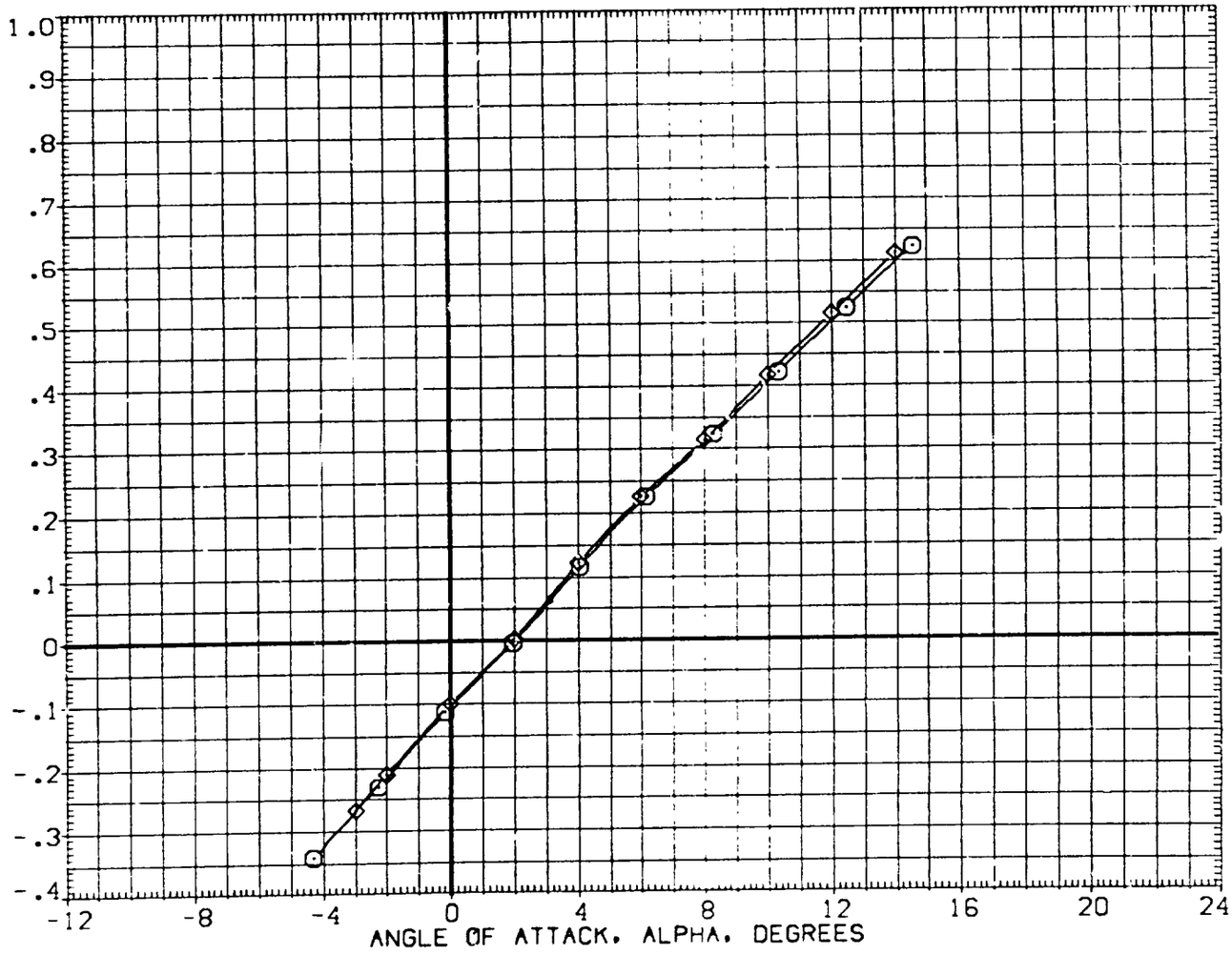


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

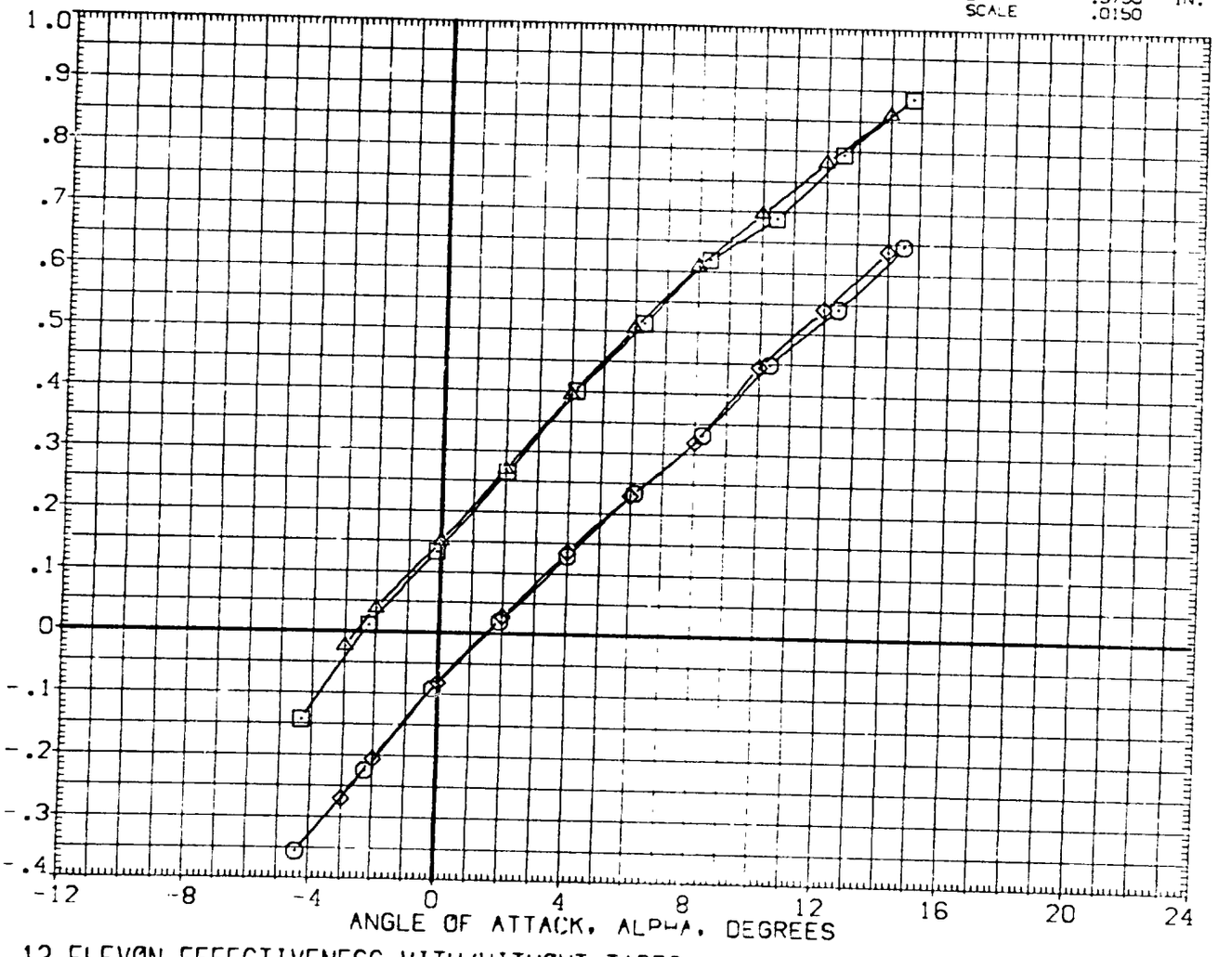


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MAC = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CEP019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CEP020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IEP019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IEP020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

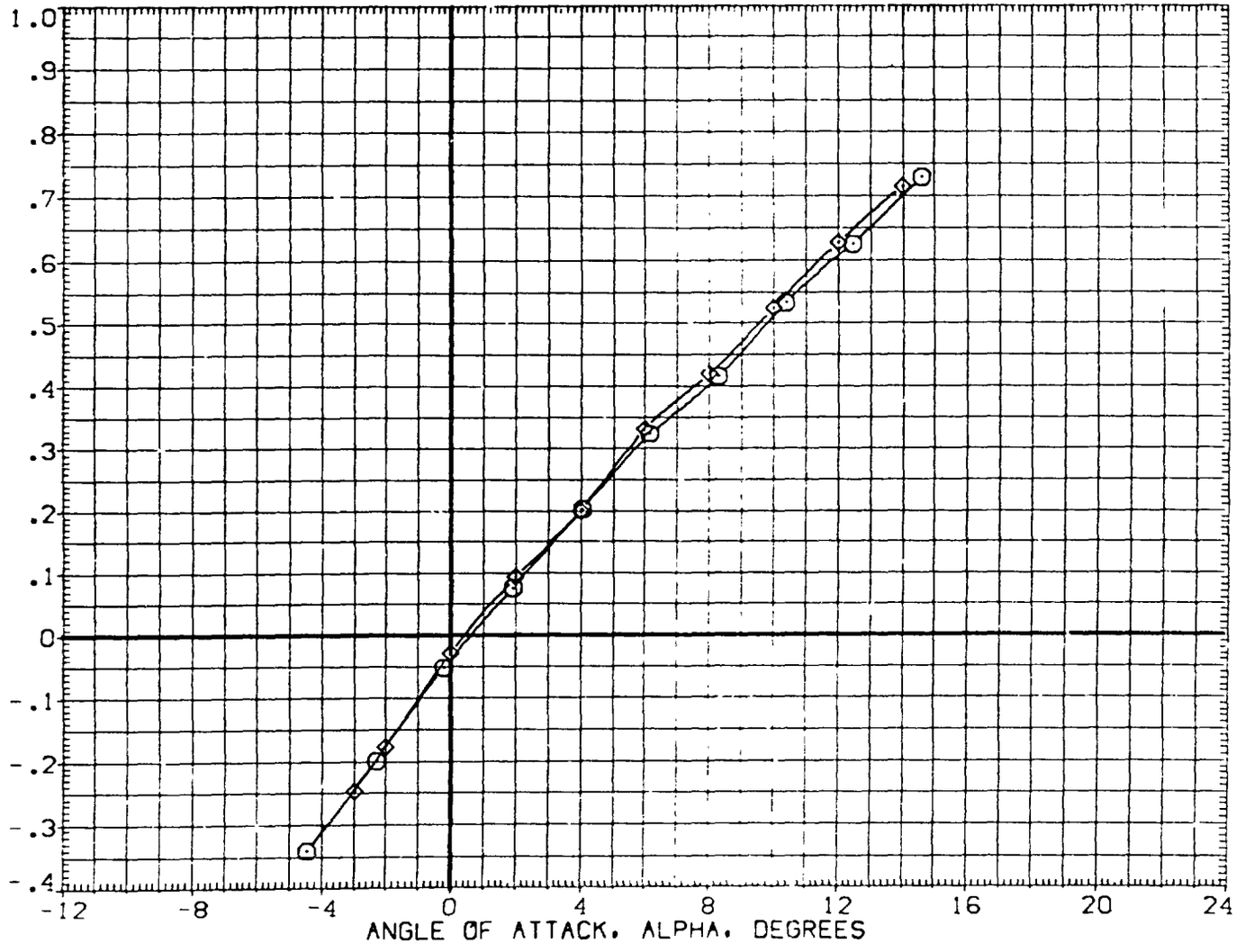


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CFR020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
CREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

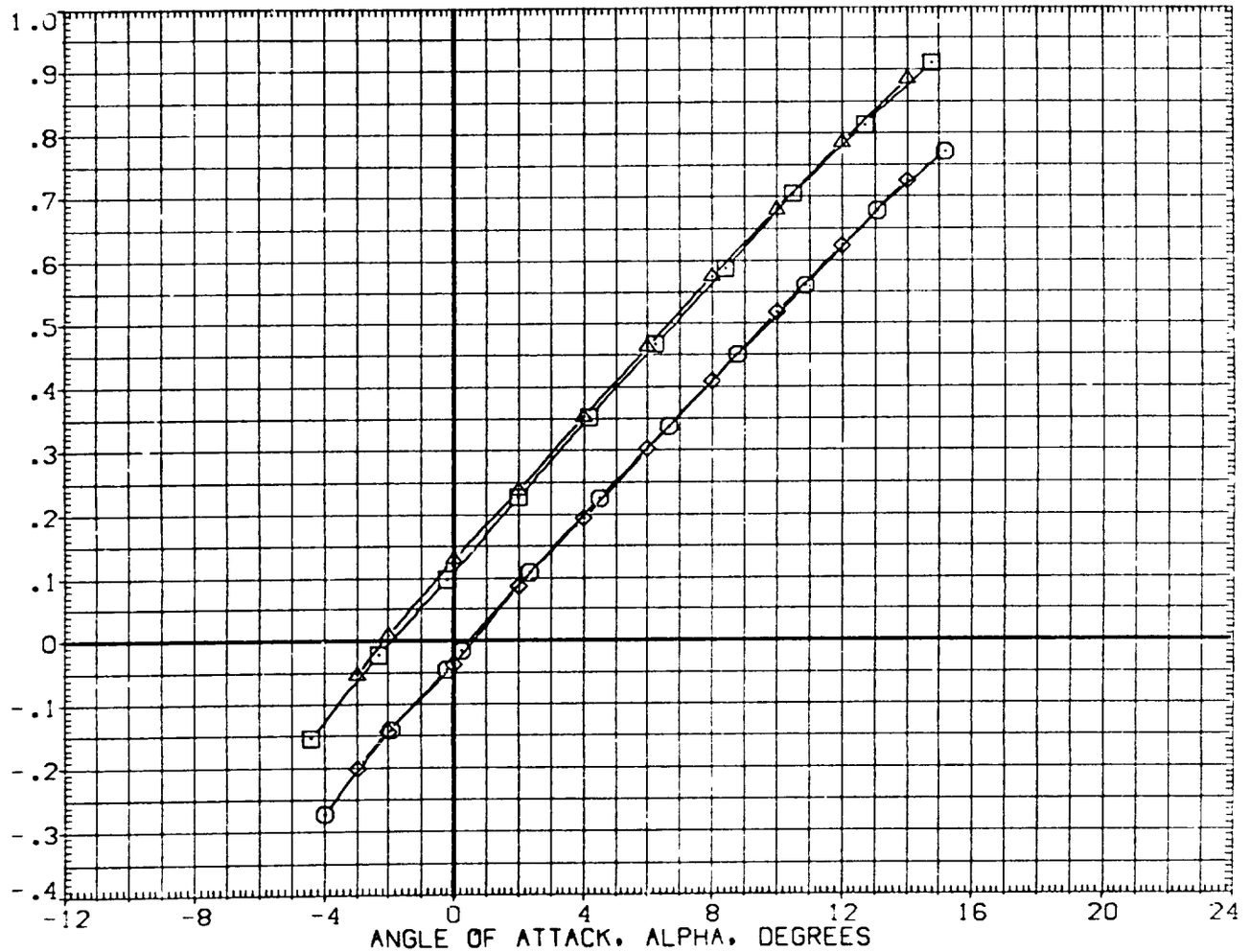


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

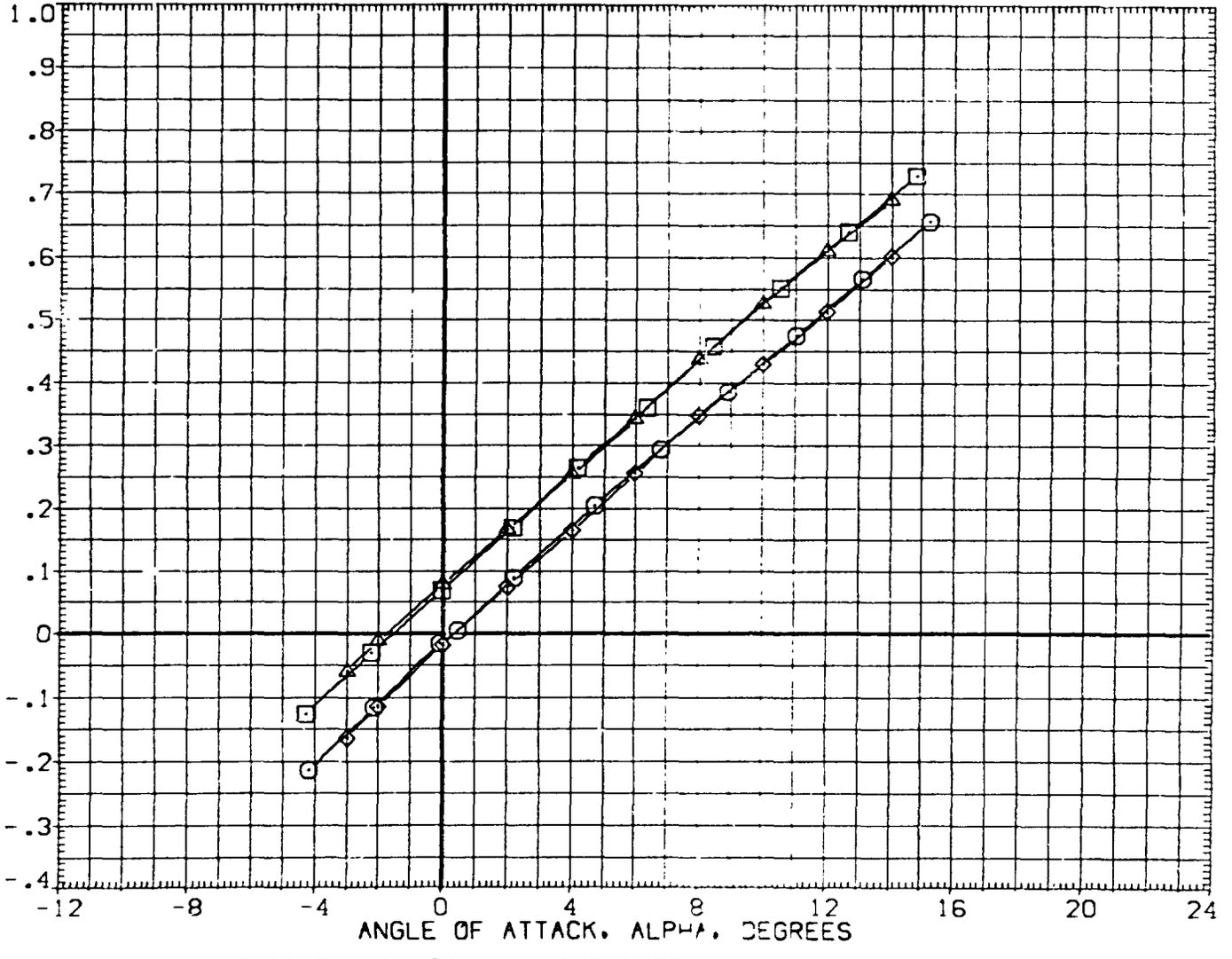


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

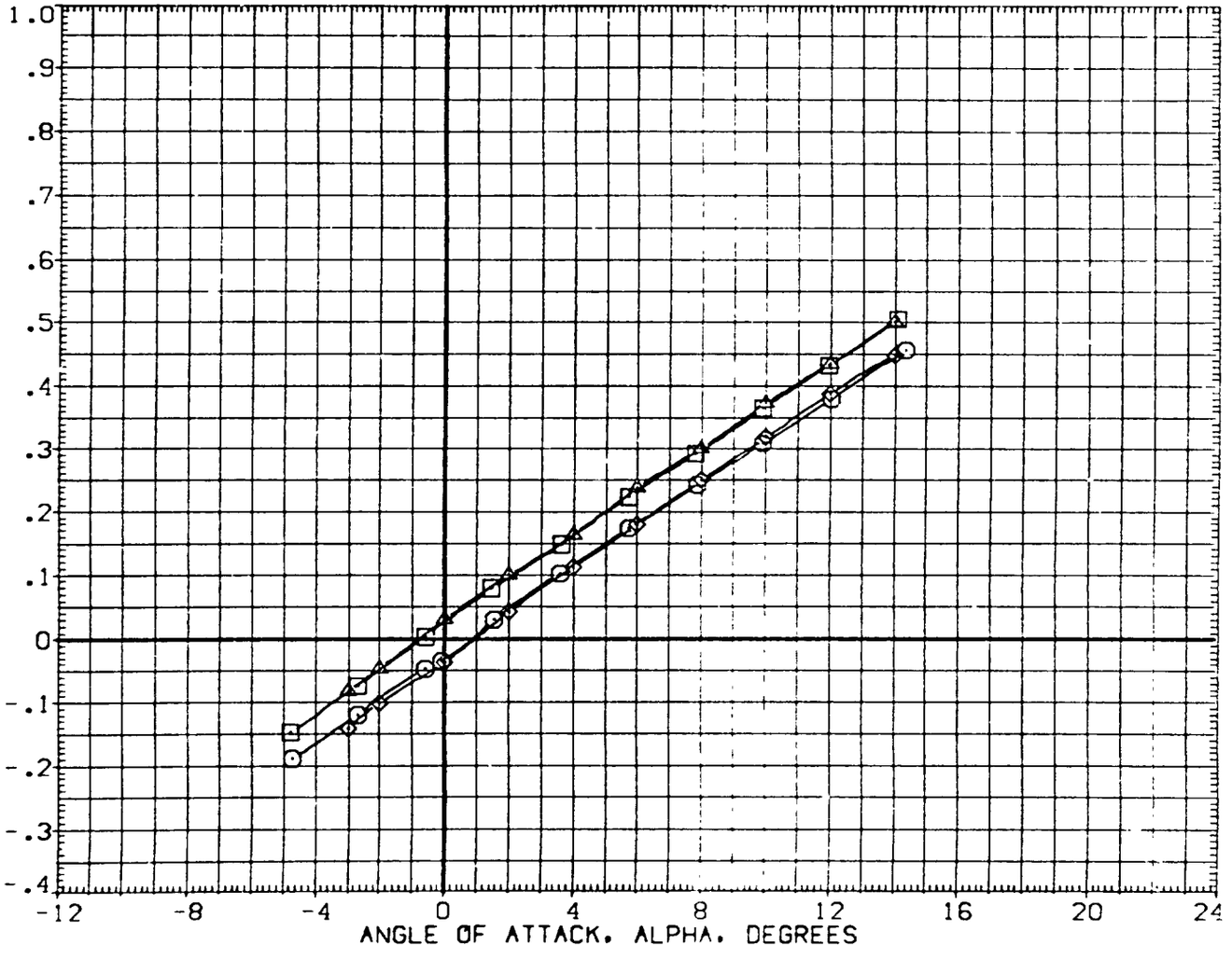


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

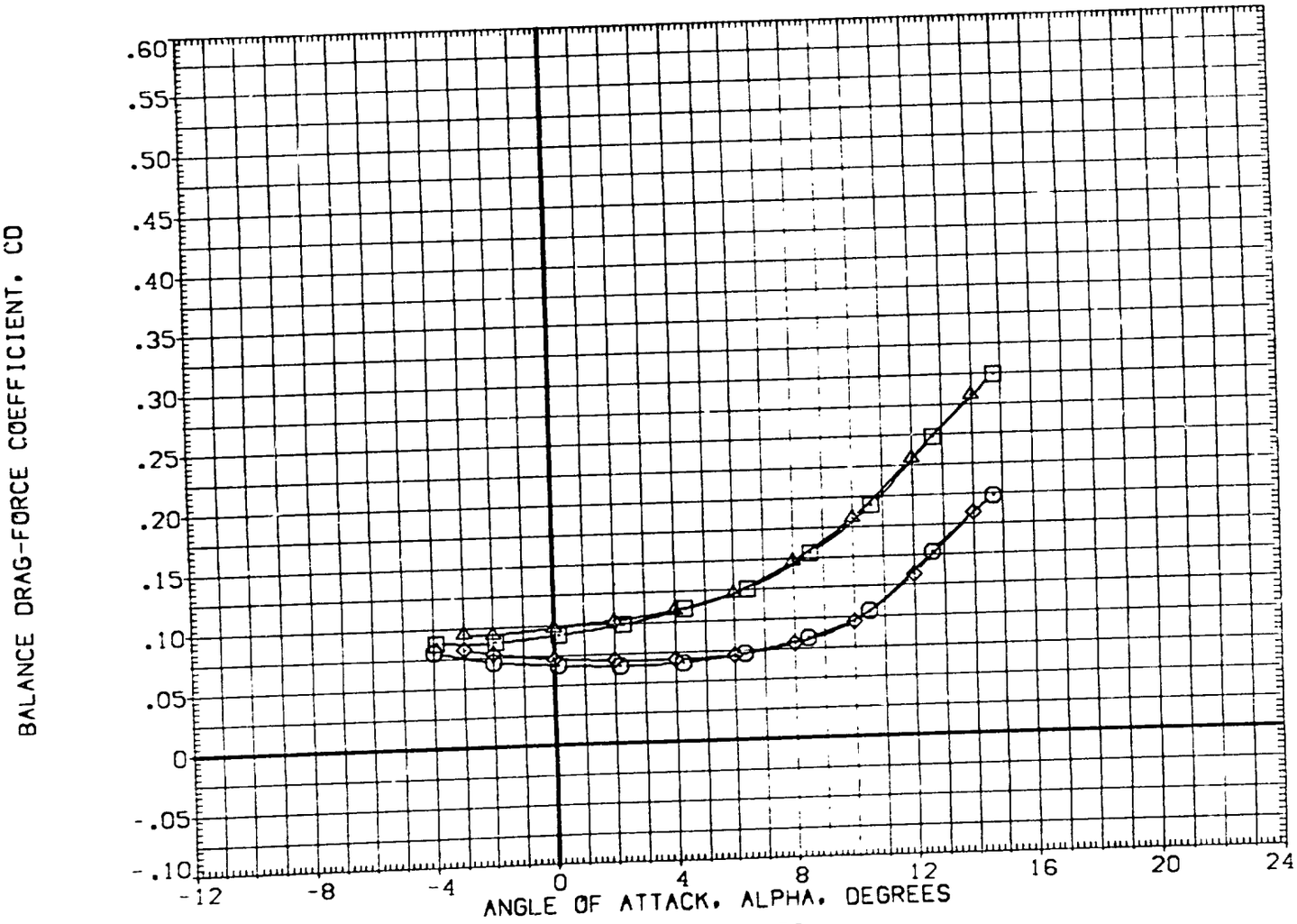


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

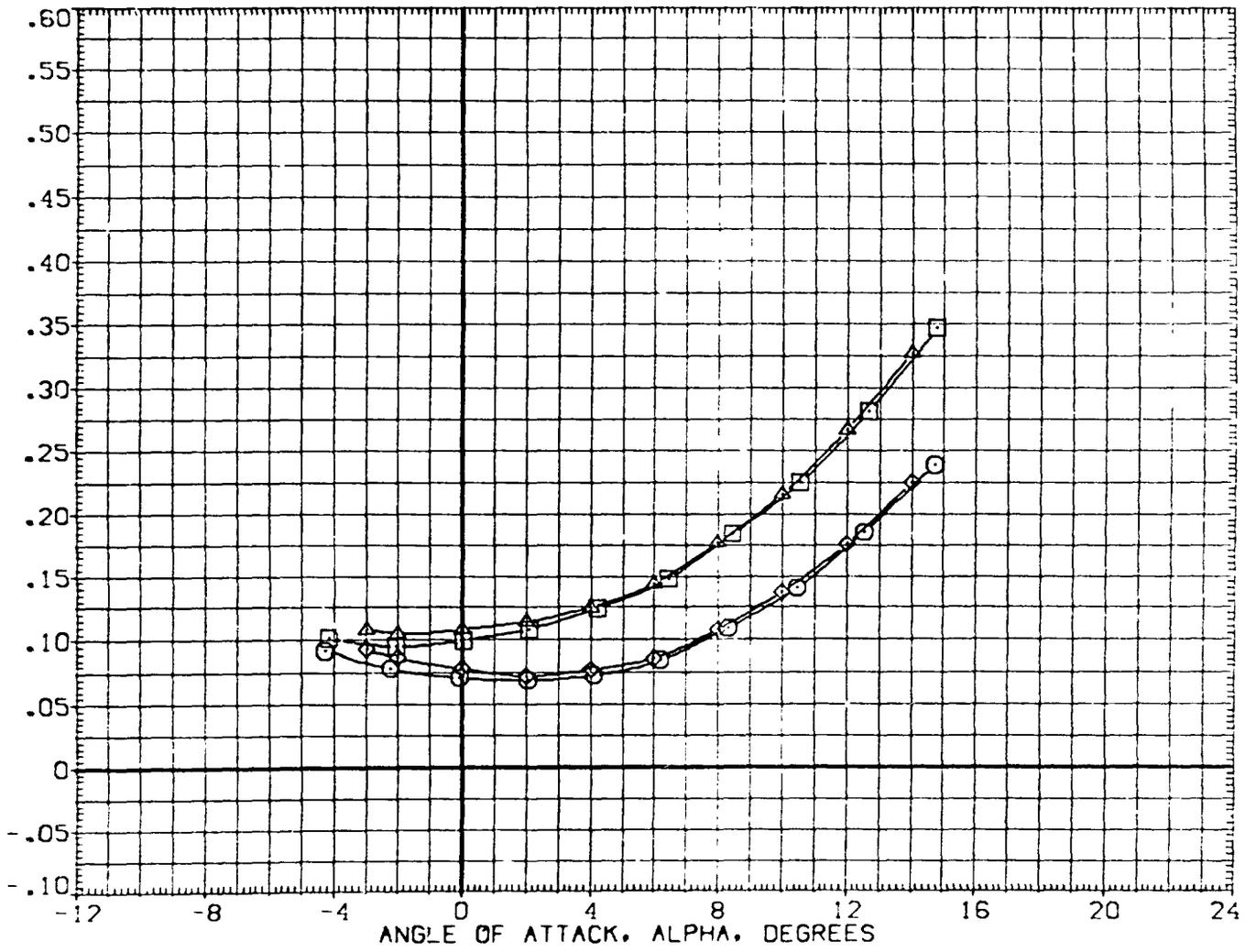


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)		DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

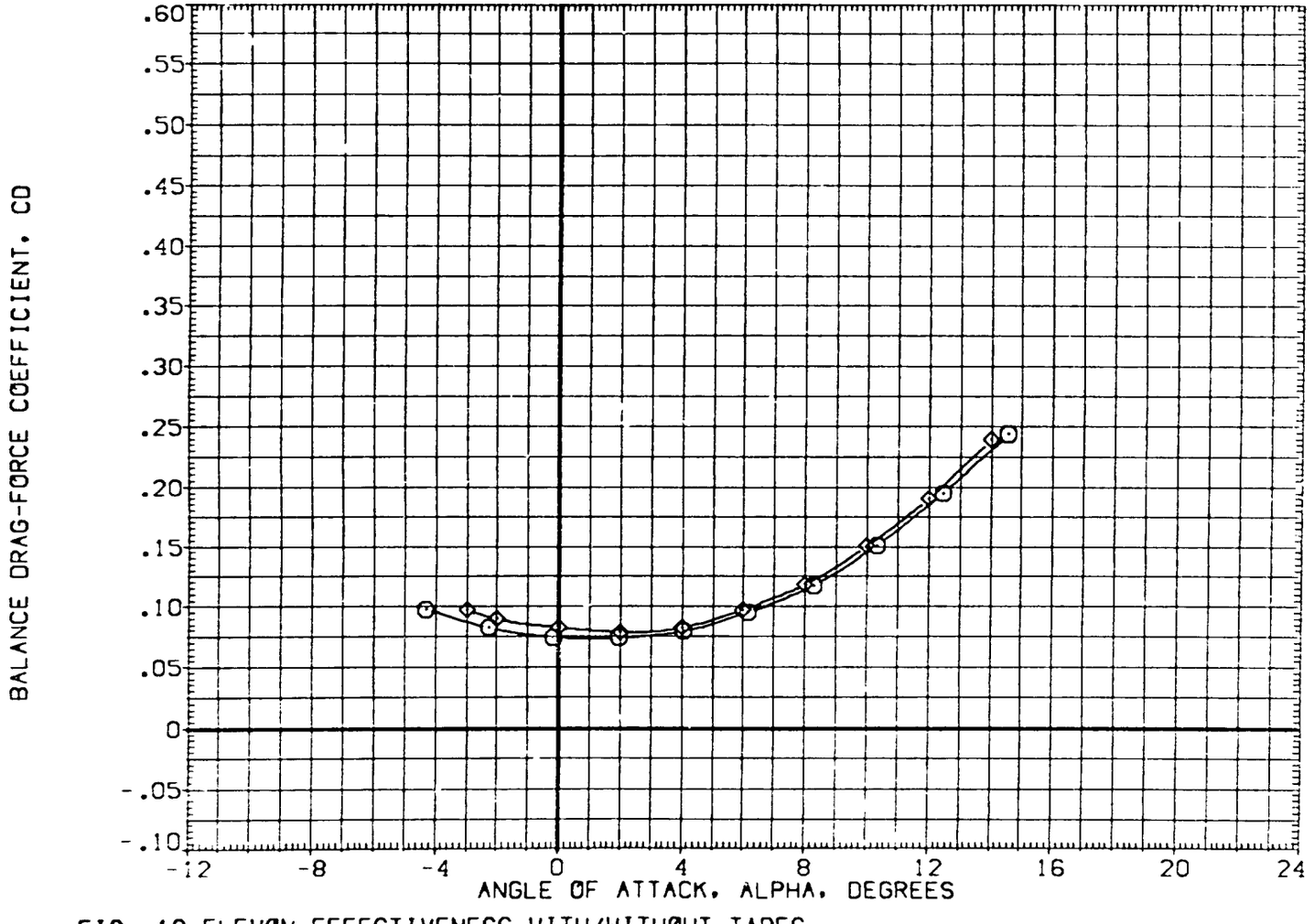


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH - .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	⊙	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

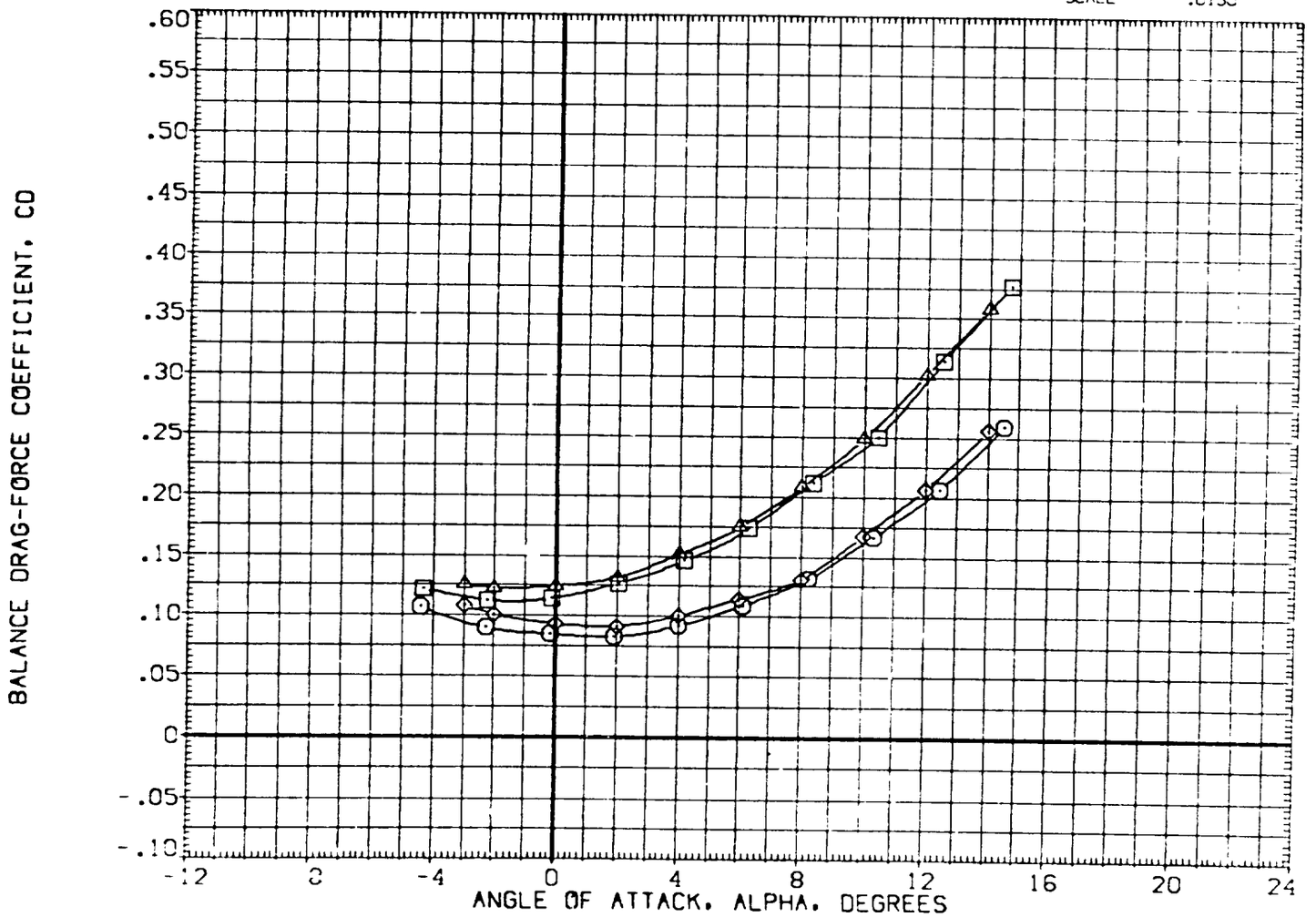


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MAC .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CEP019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CEP020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(IEP019)	◇	ARC 65-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IEP020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.015C	

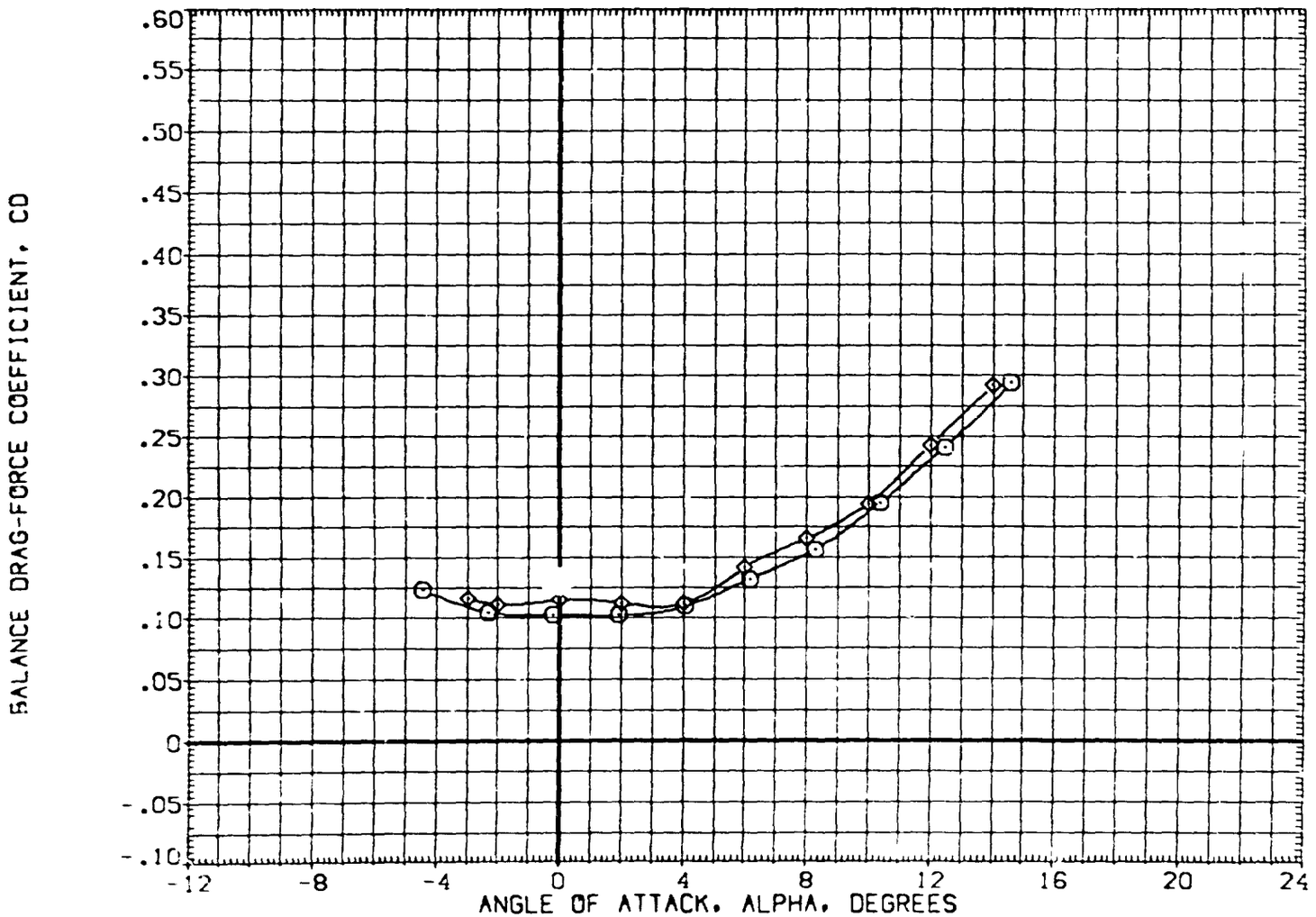


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

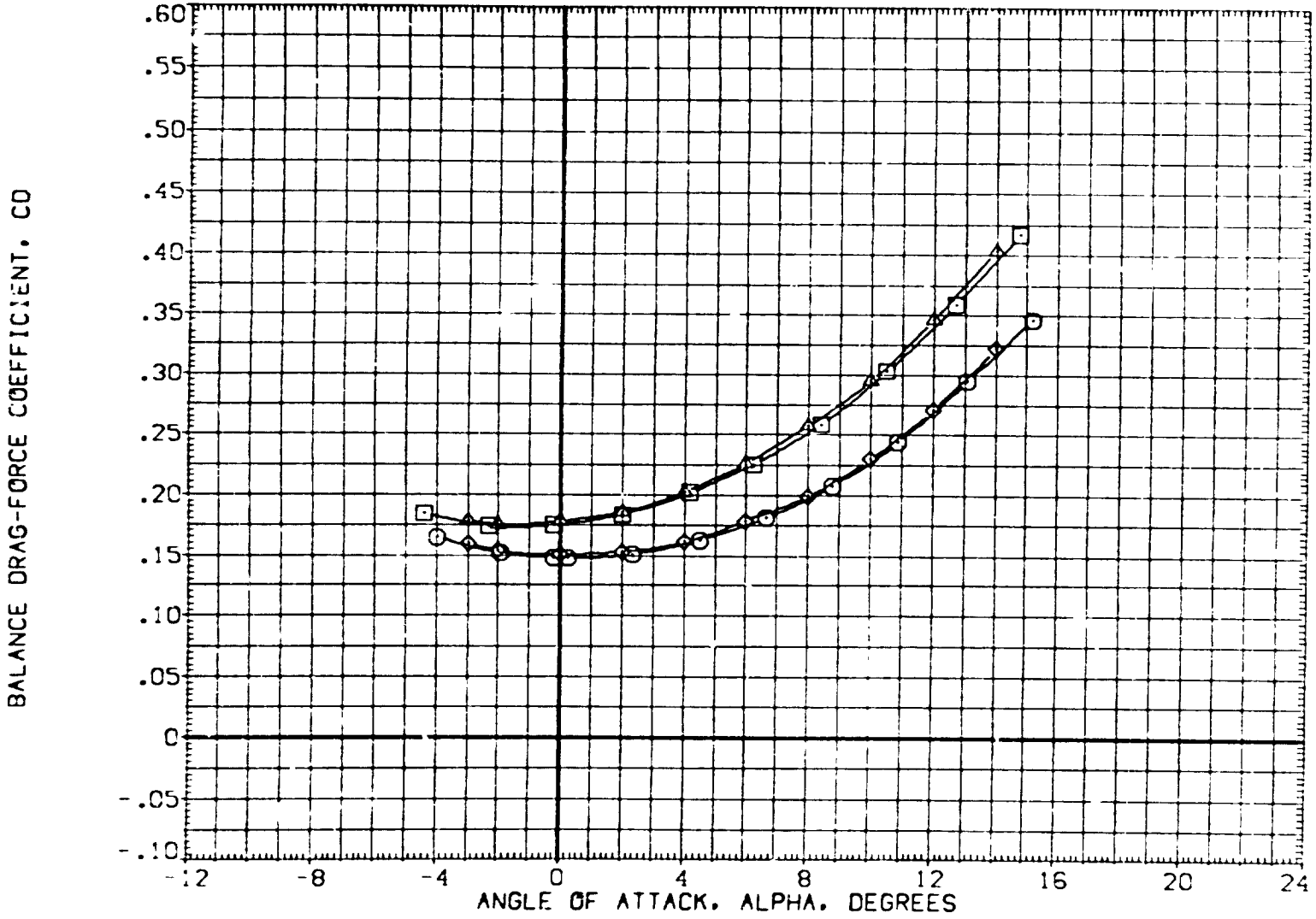


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	○	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ERO19)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1[illegible]	FT.
XMRP	2.6[illegible]	IN.
YMRP	.0000	IN.
ZMRP	.3756	IN.
SCALE	.015	

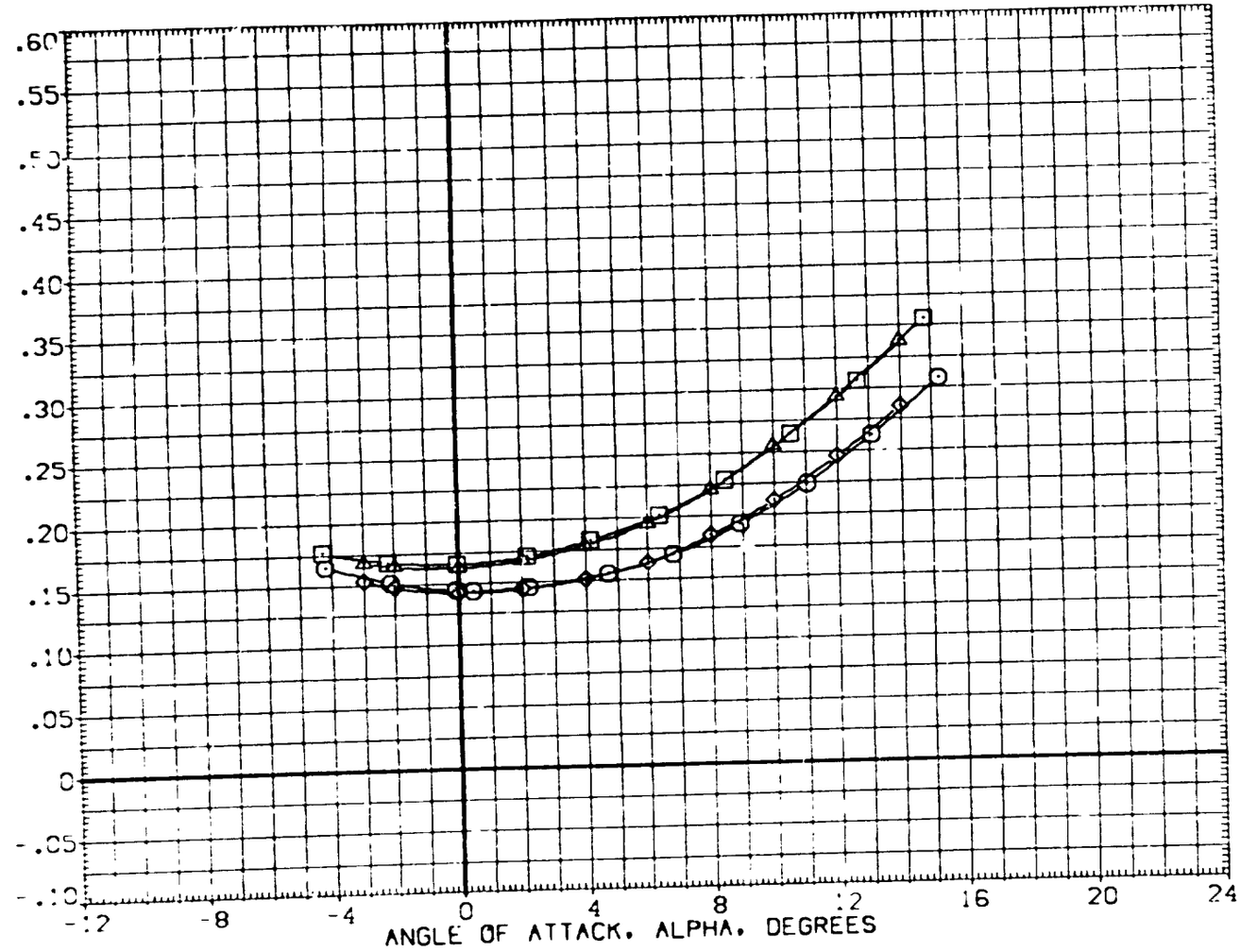


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(S)MAC = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BODY LAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	△	ARC 66-709 0A59 0A11A-(N24)	.00	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5835	FT.
BREF	1.1710	FT.
XMRC	12.6655	IN.
YMRC	.0000	IN.
ZMRC	-.3750	IN.
SCALE	.0150	

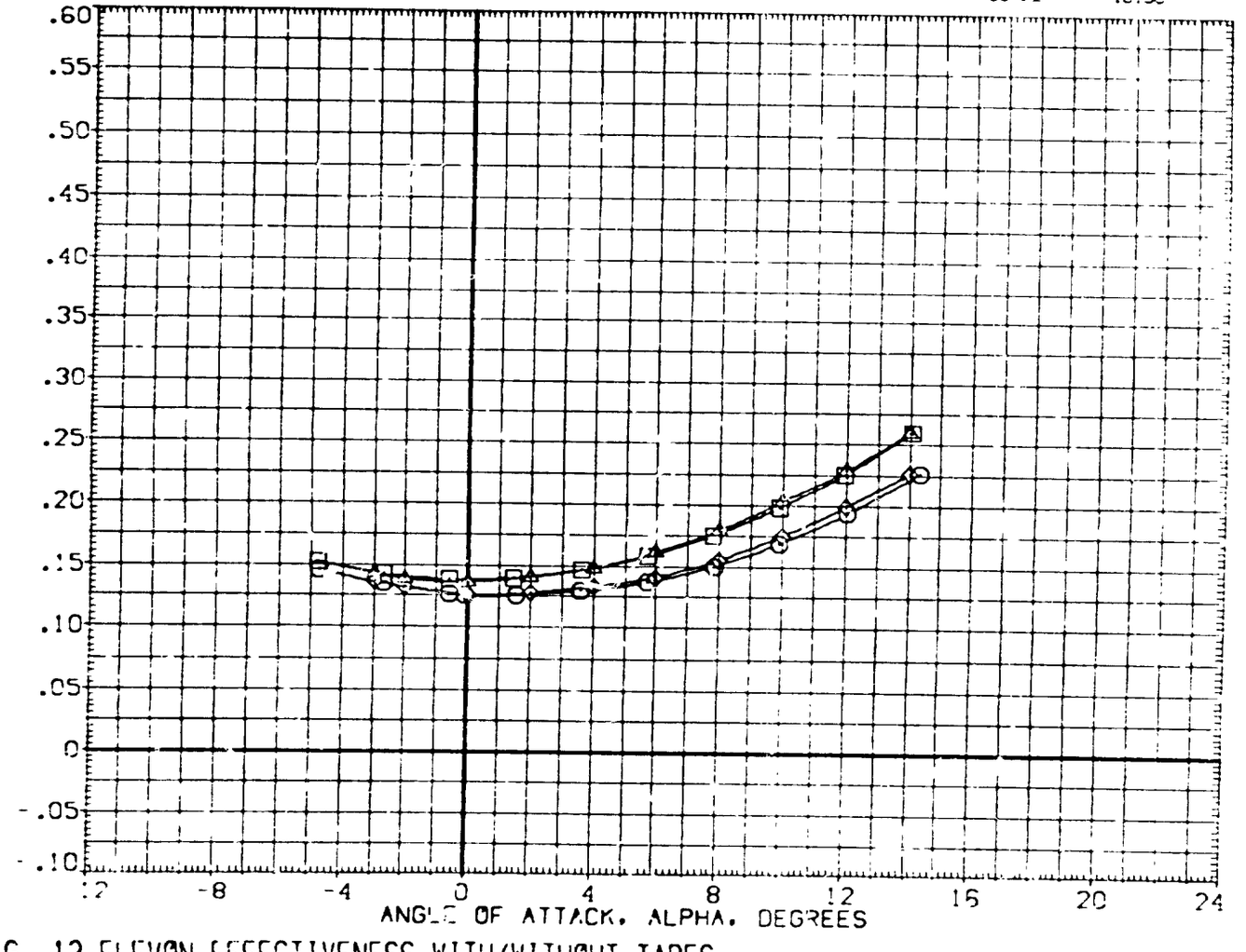


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(+)MACH 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ILR020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

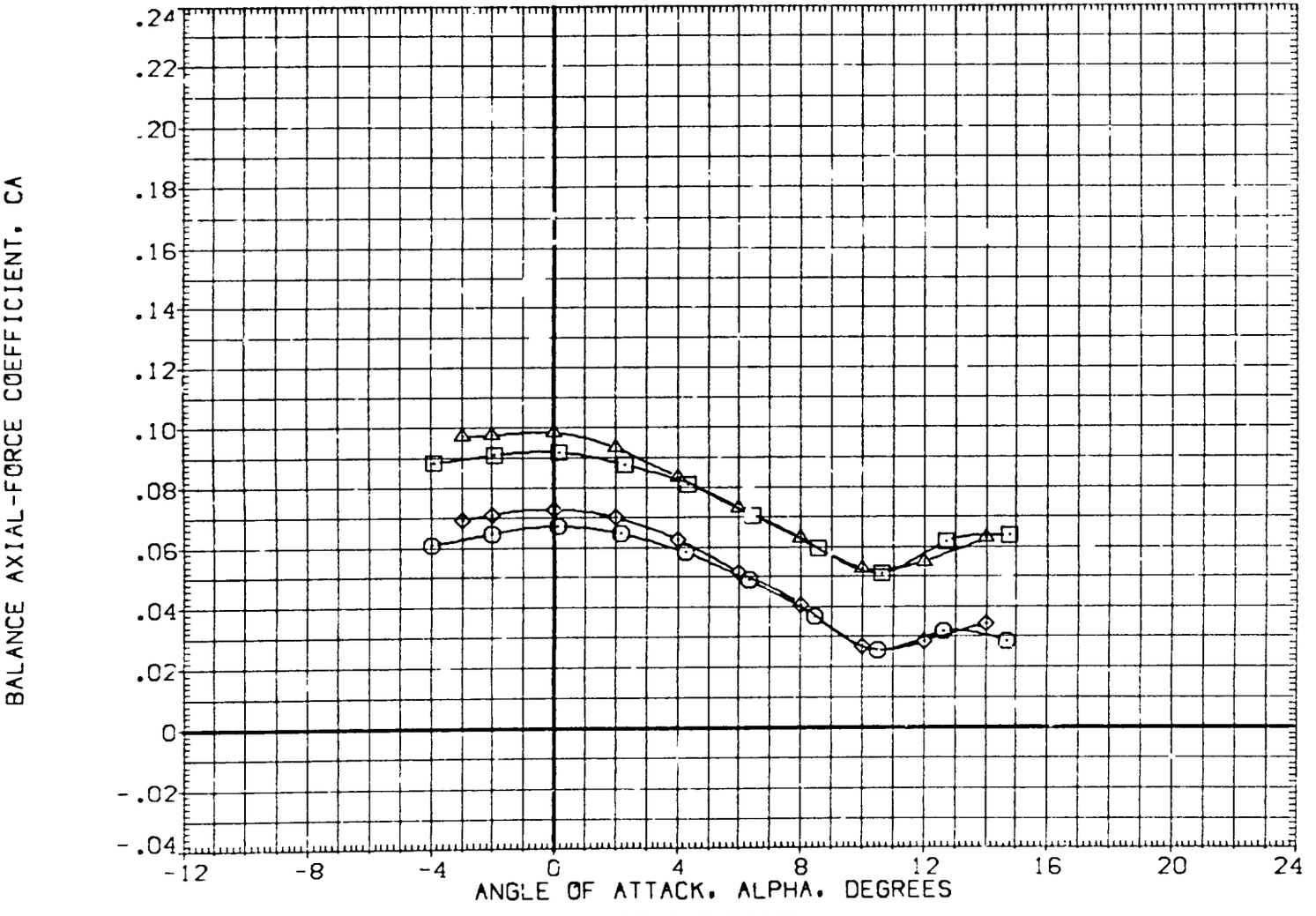


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(C[illegible]019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

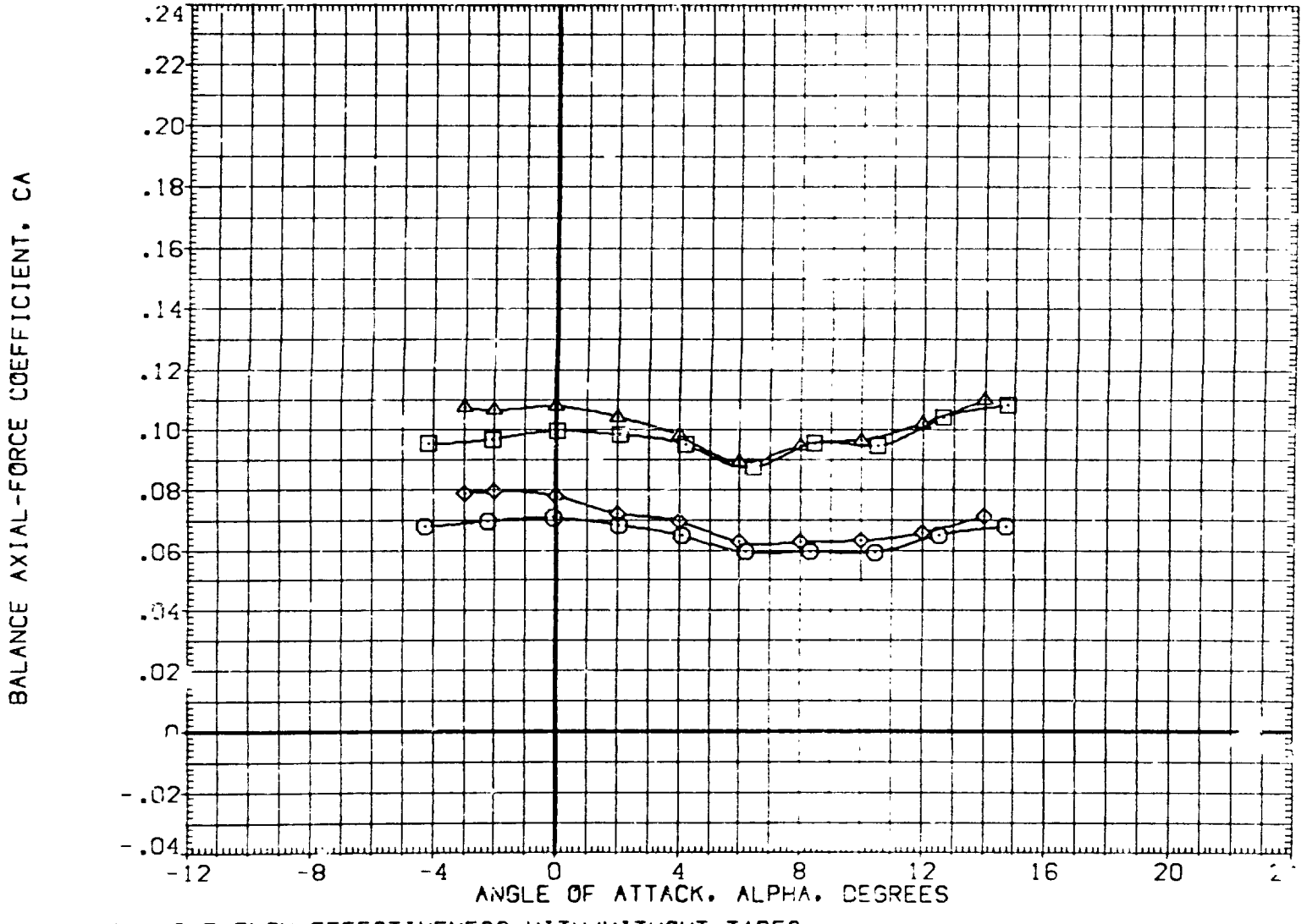


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

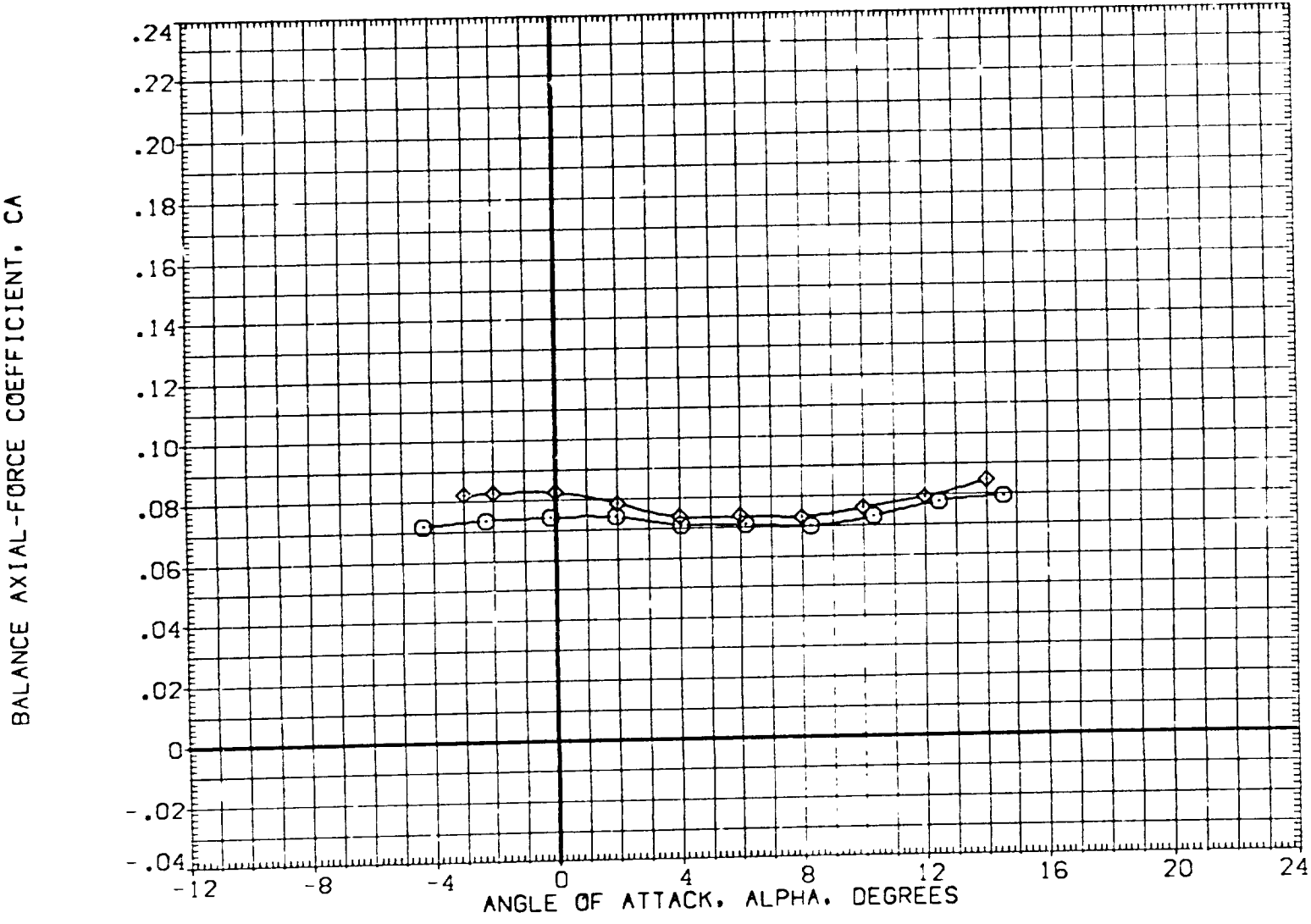


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	▣	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

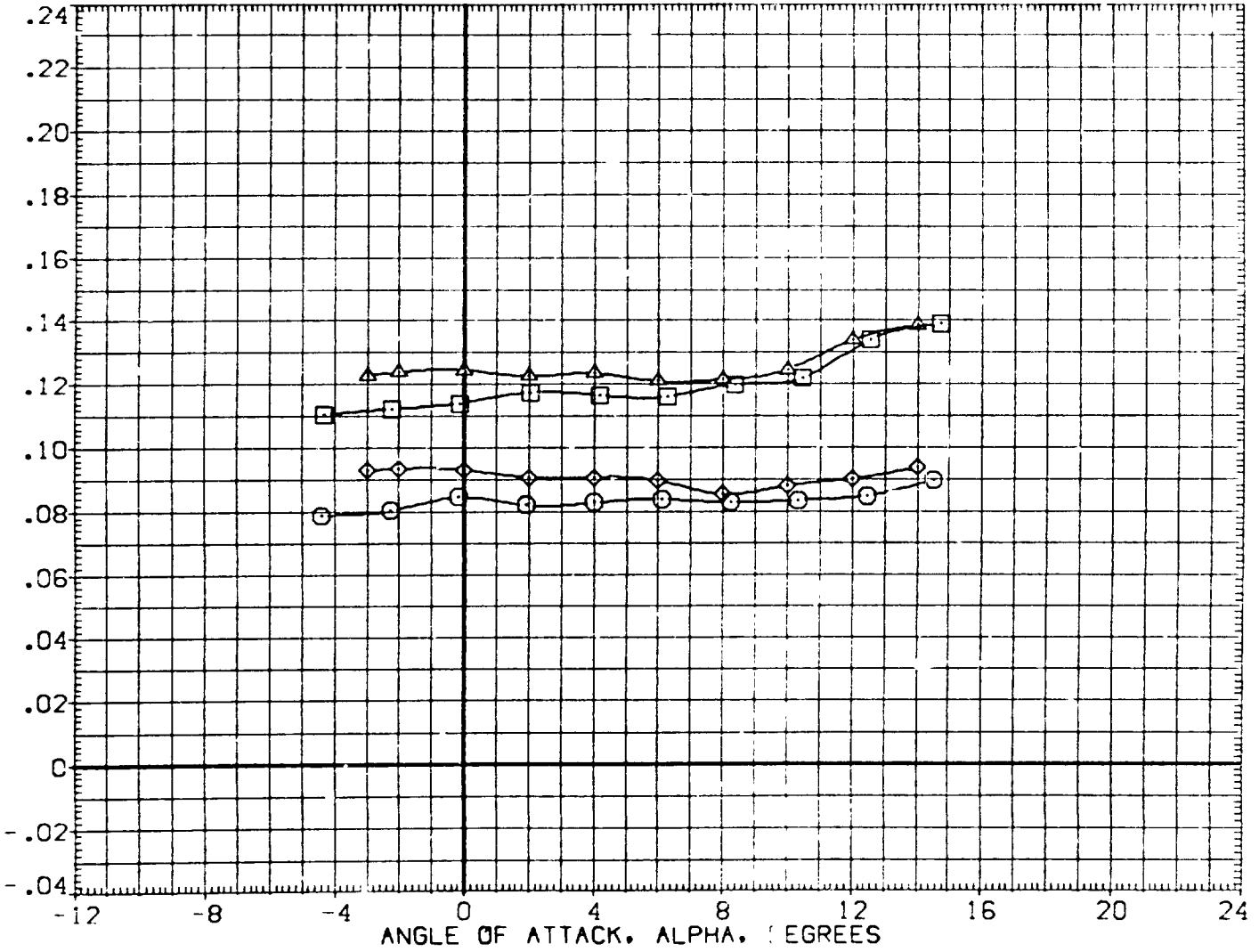


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)		DATA NOT AVAILABLE	.000	15.000	-11.700
(TERO19)	⋈	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(TERO20)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

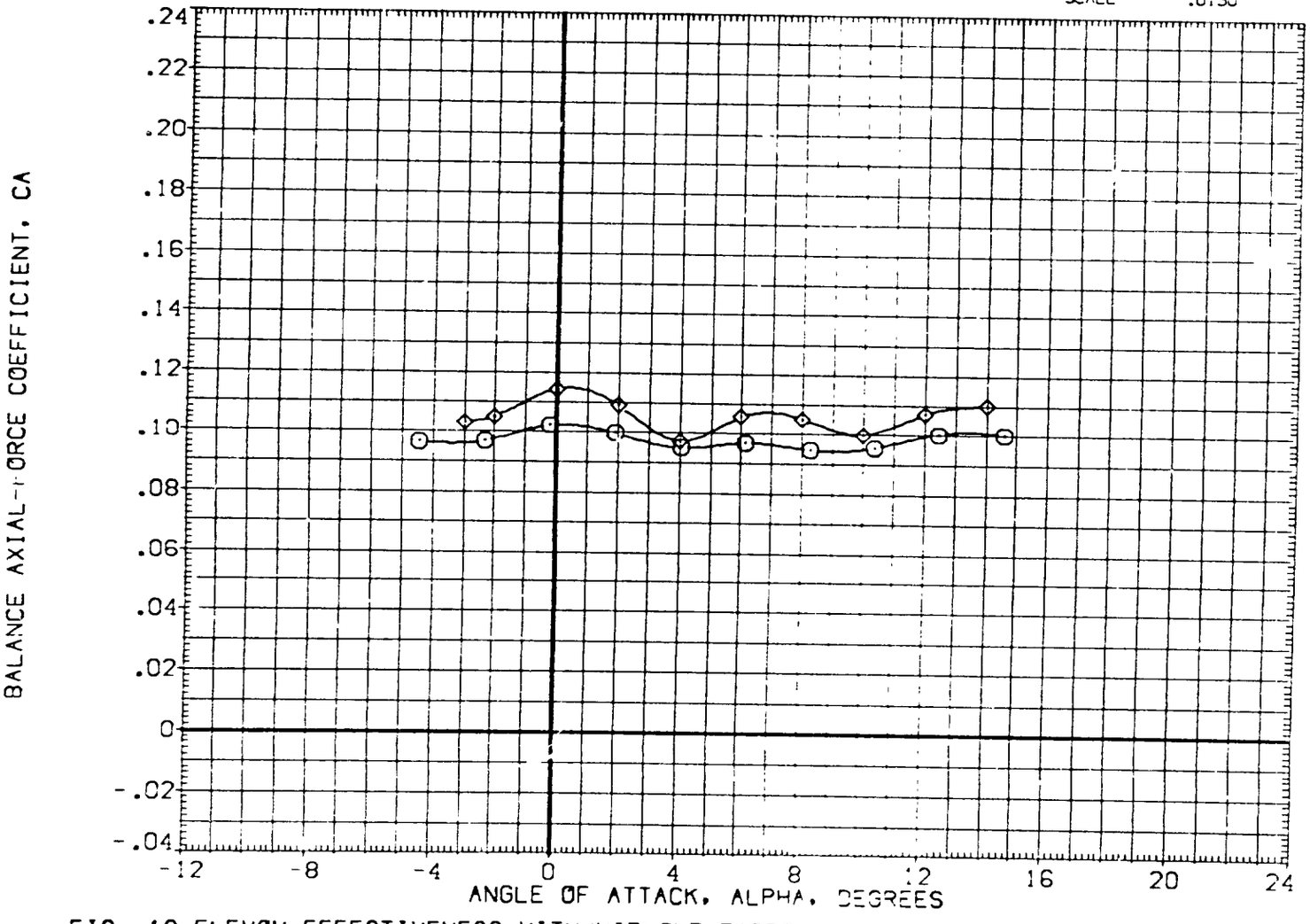


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

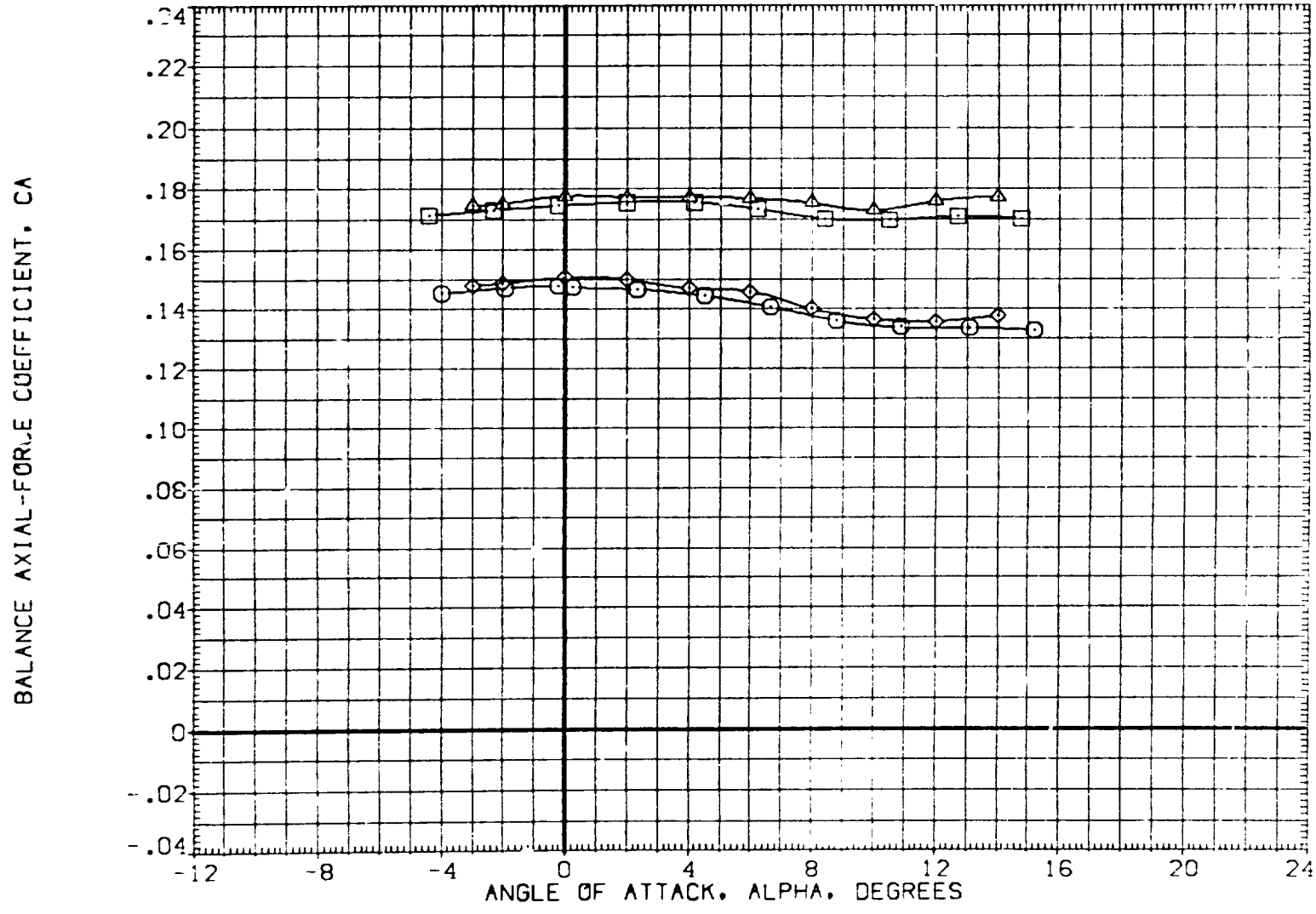


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MAC-1 = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-70 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

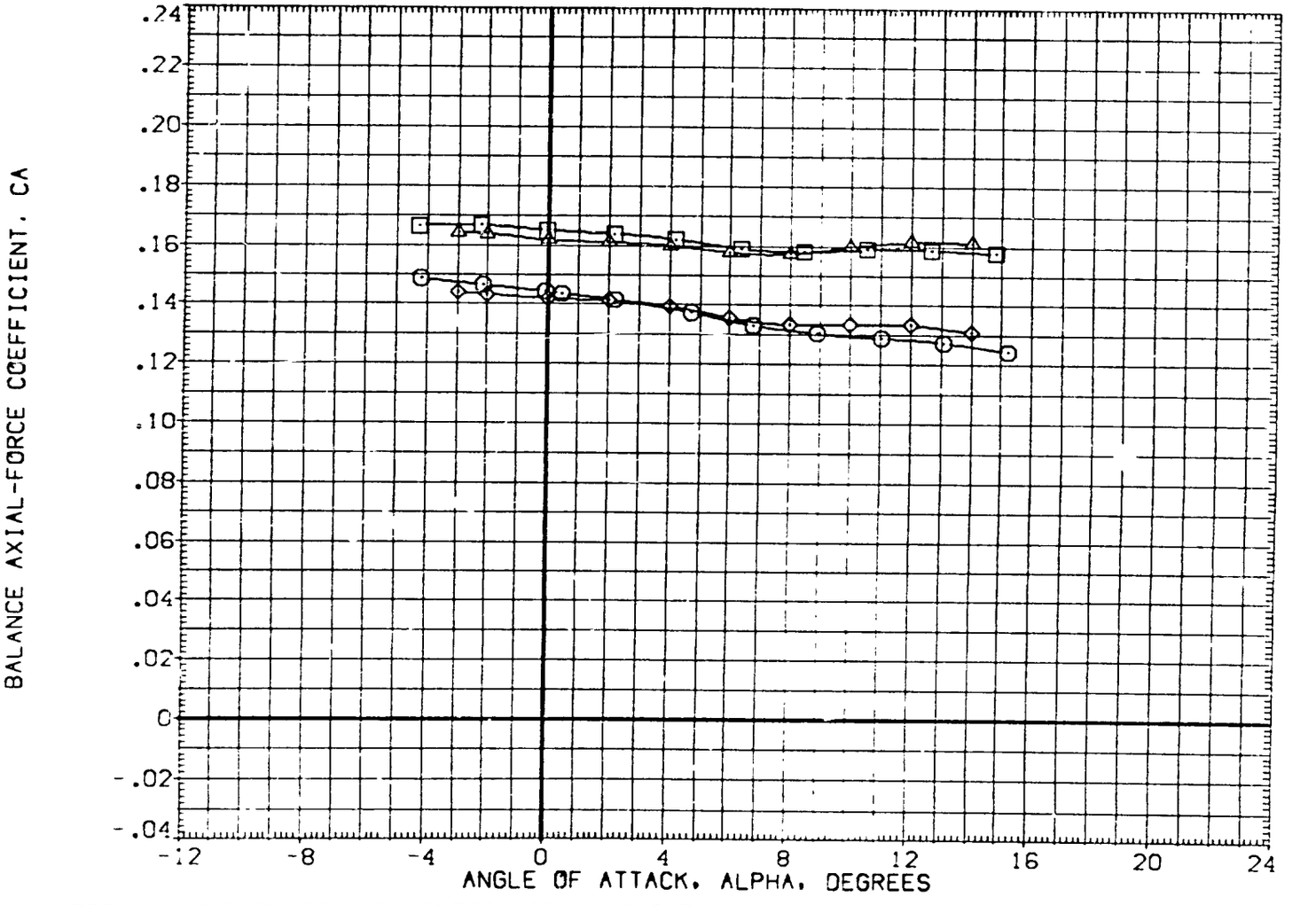


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC = 1.50

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

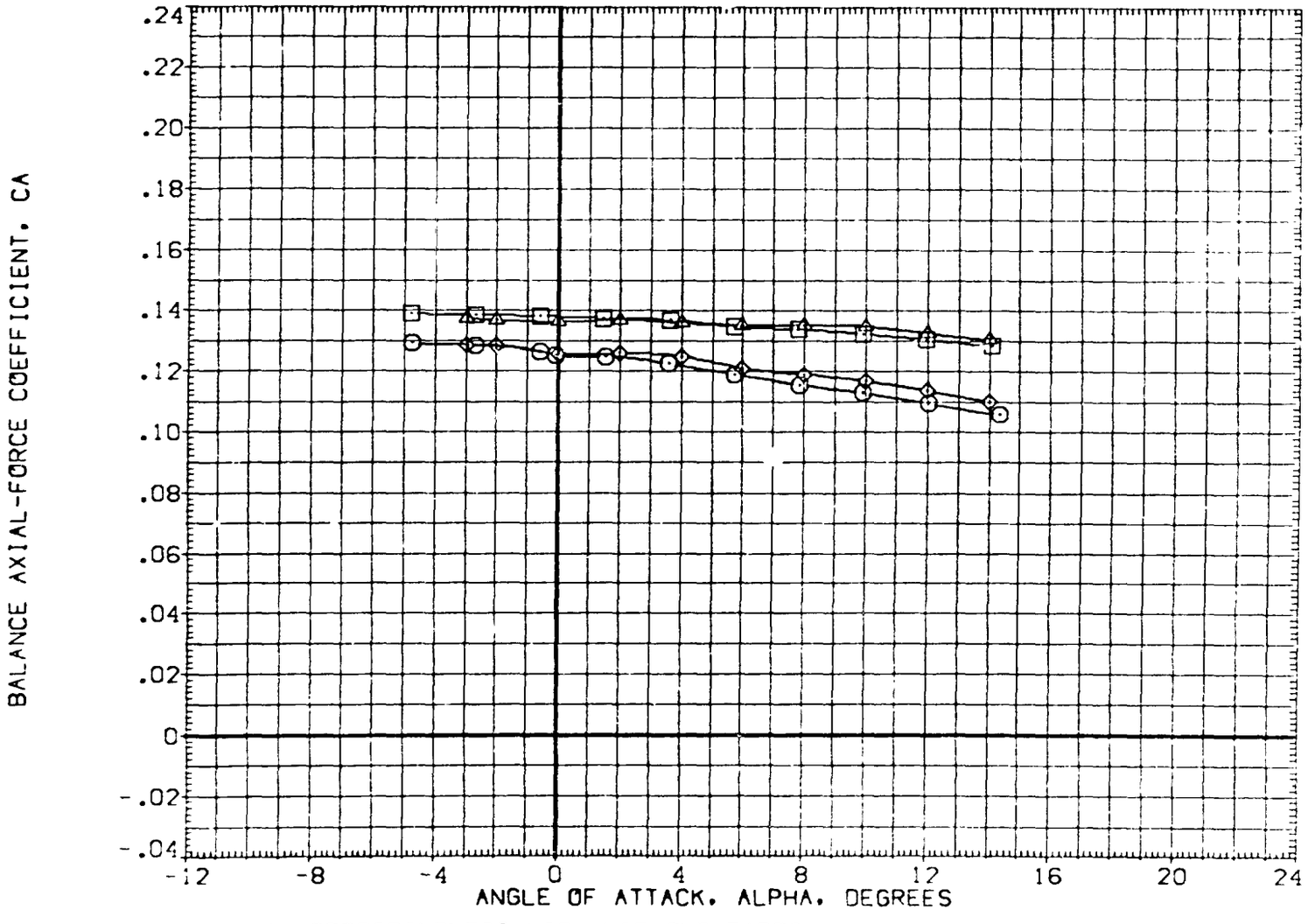


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

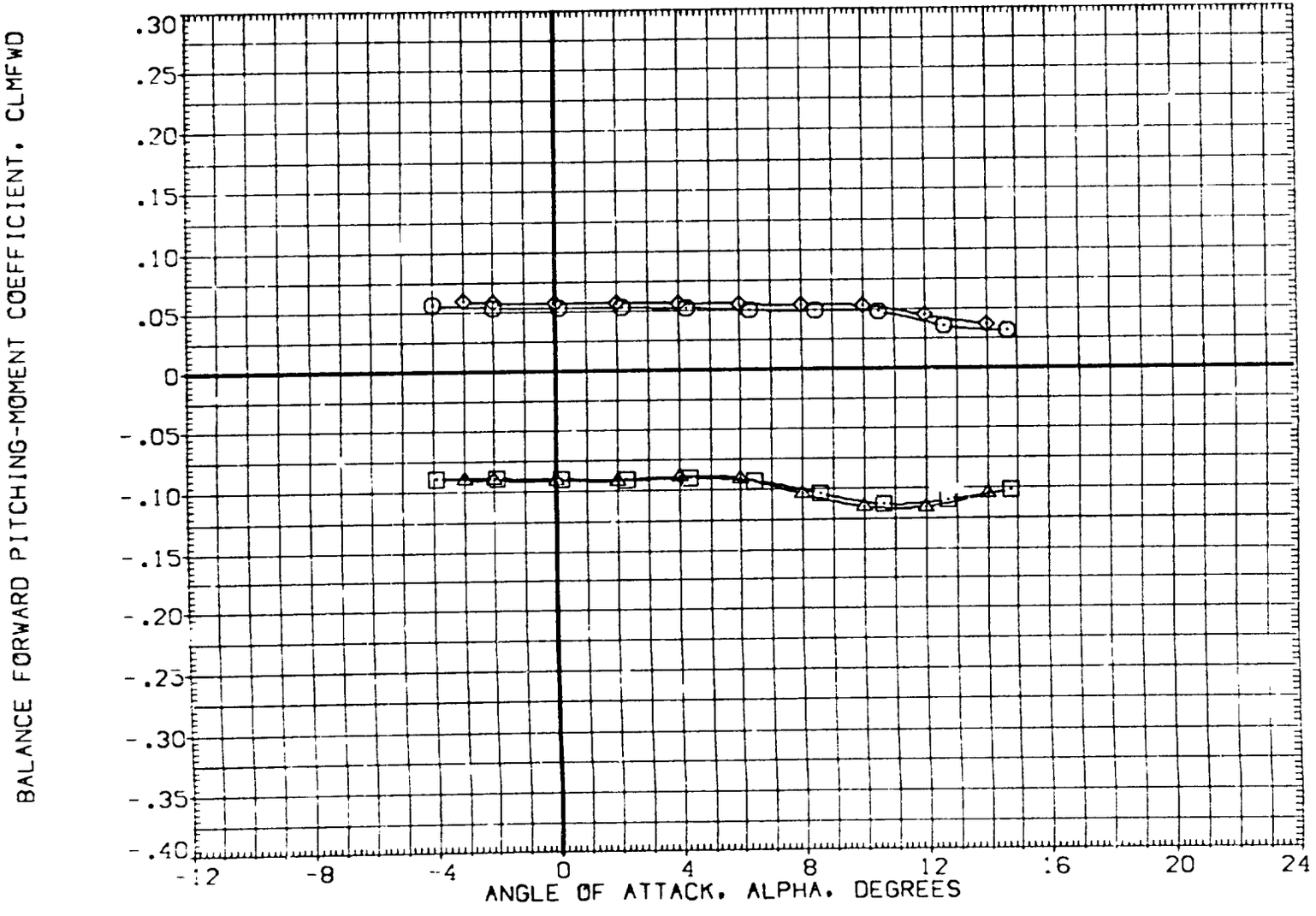


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC= .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

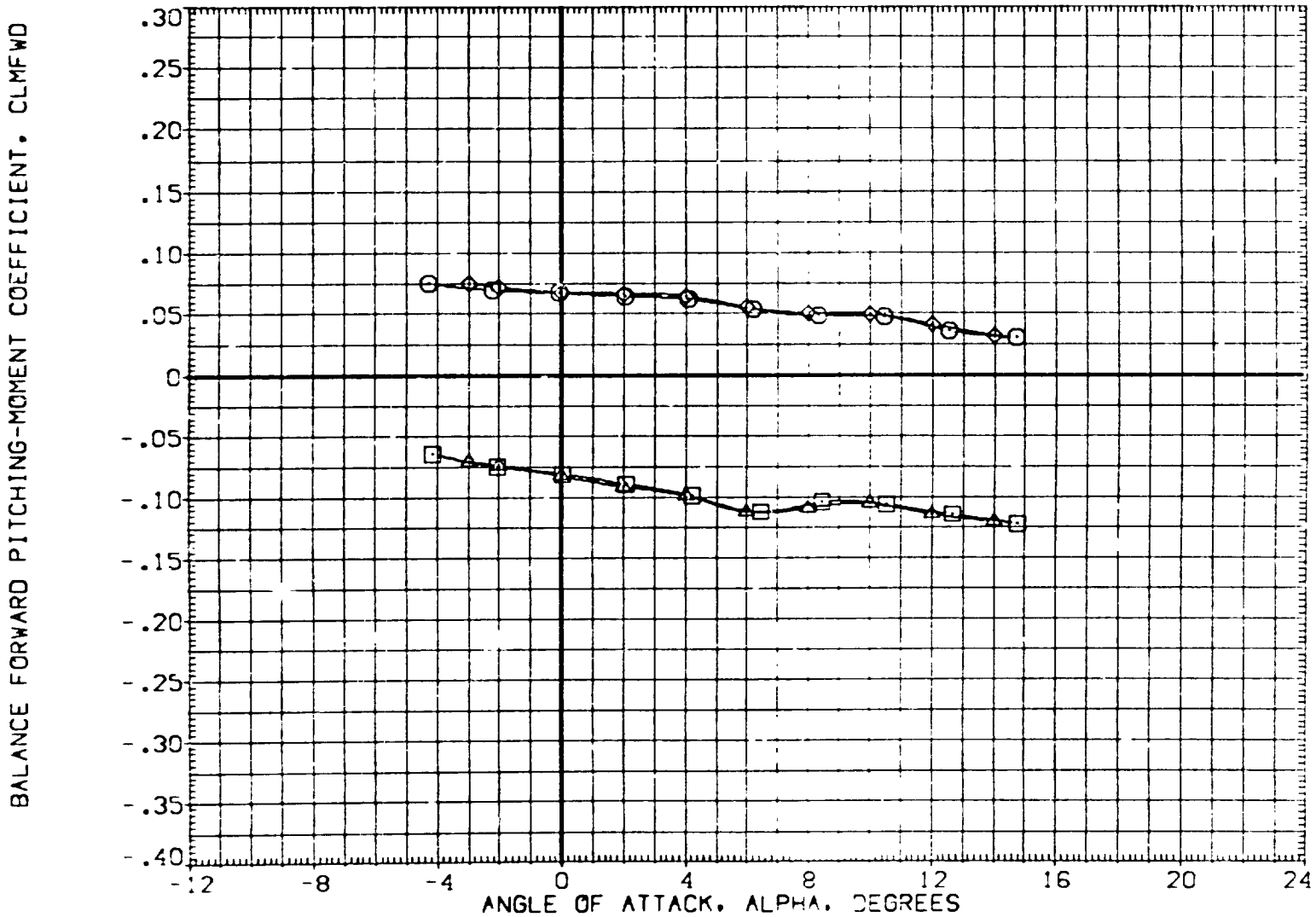


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH - .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(JER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(JER020)		DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

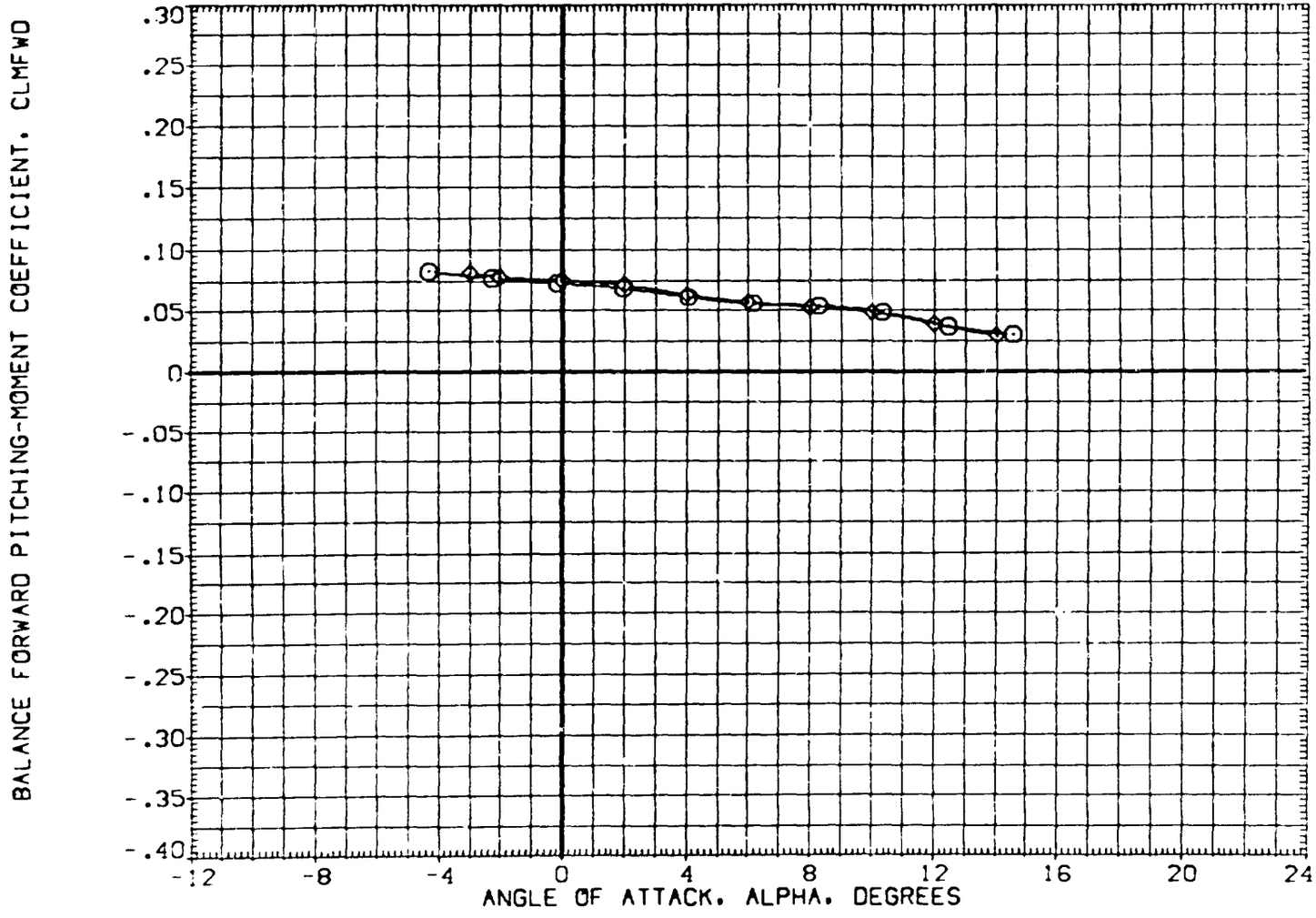


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

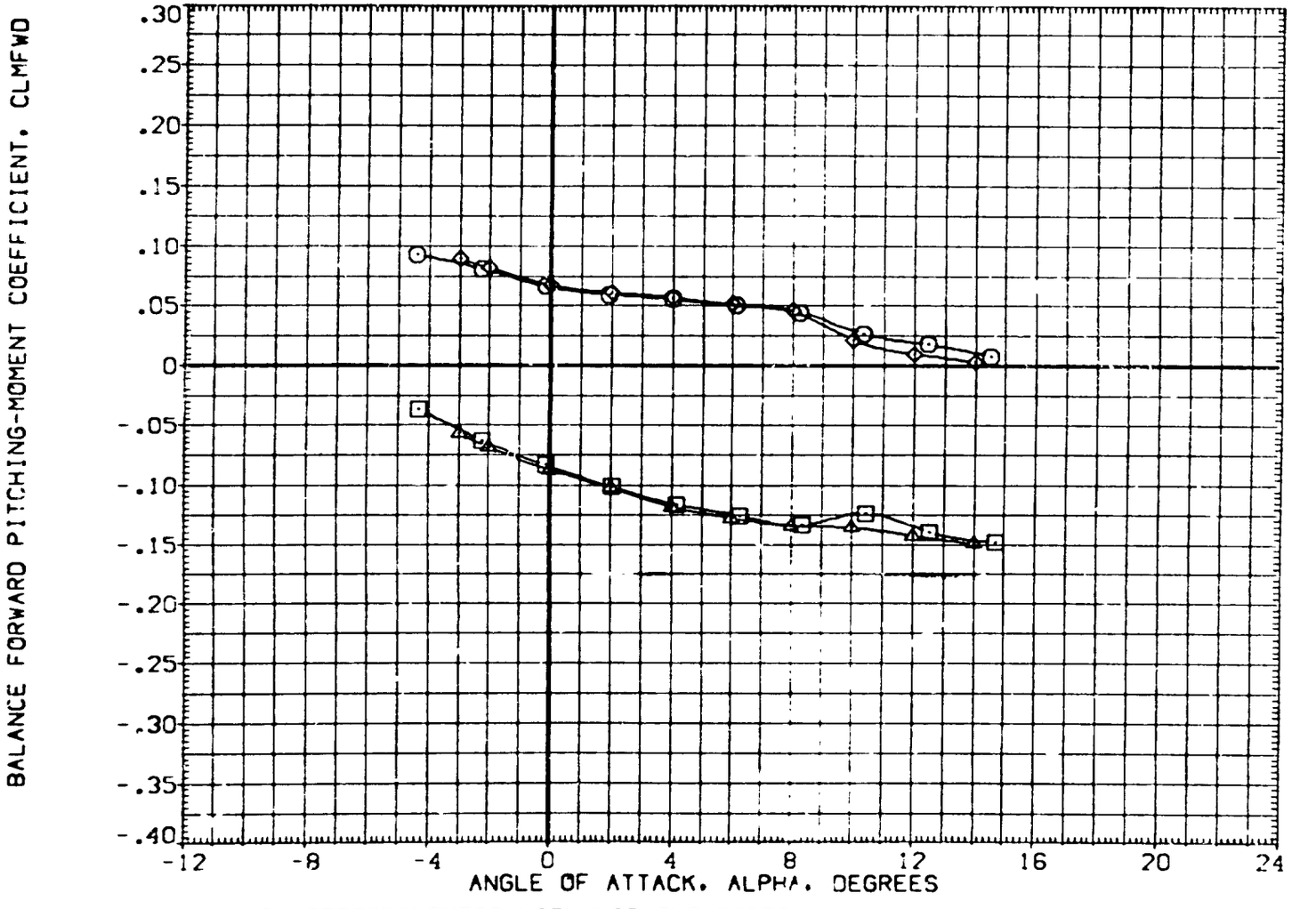


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	○	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3150	IN.
SCALE	.0150	

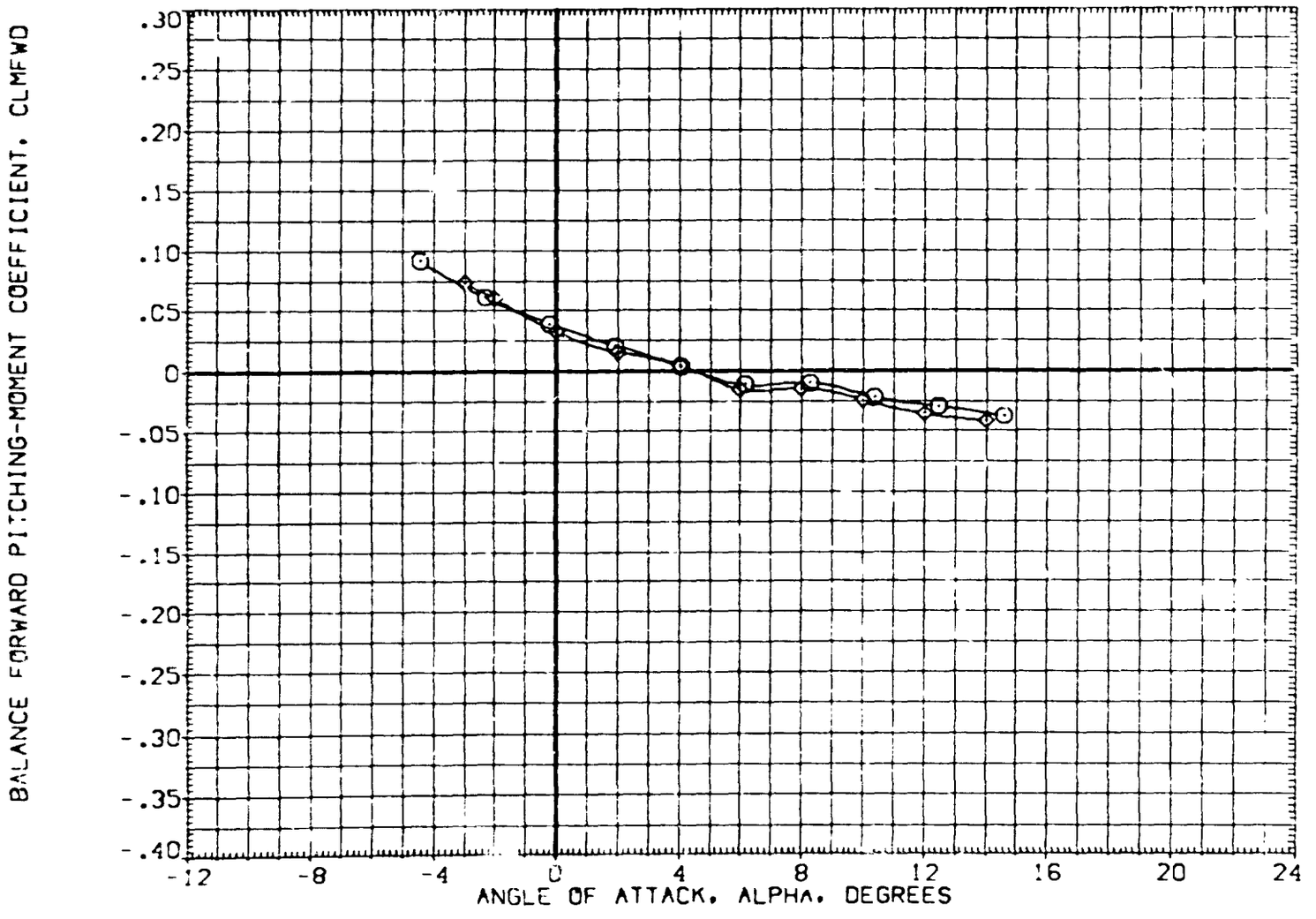


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	⋈	ARC 66 709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
CREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3550	IN.
SCALE	.0150	IN.

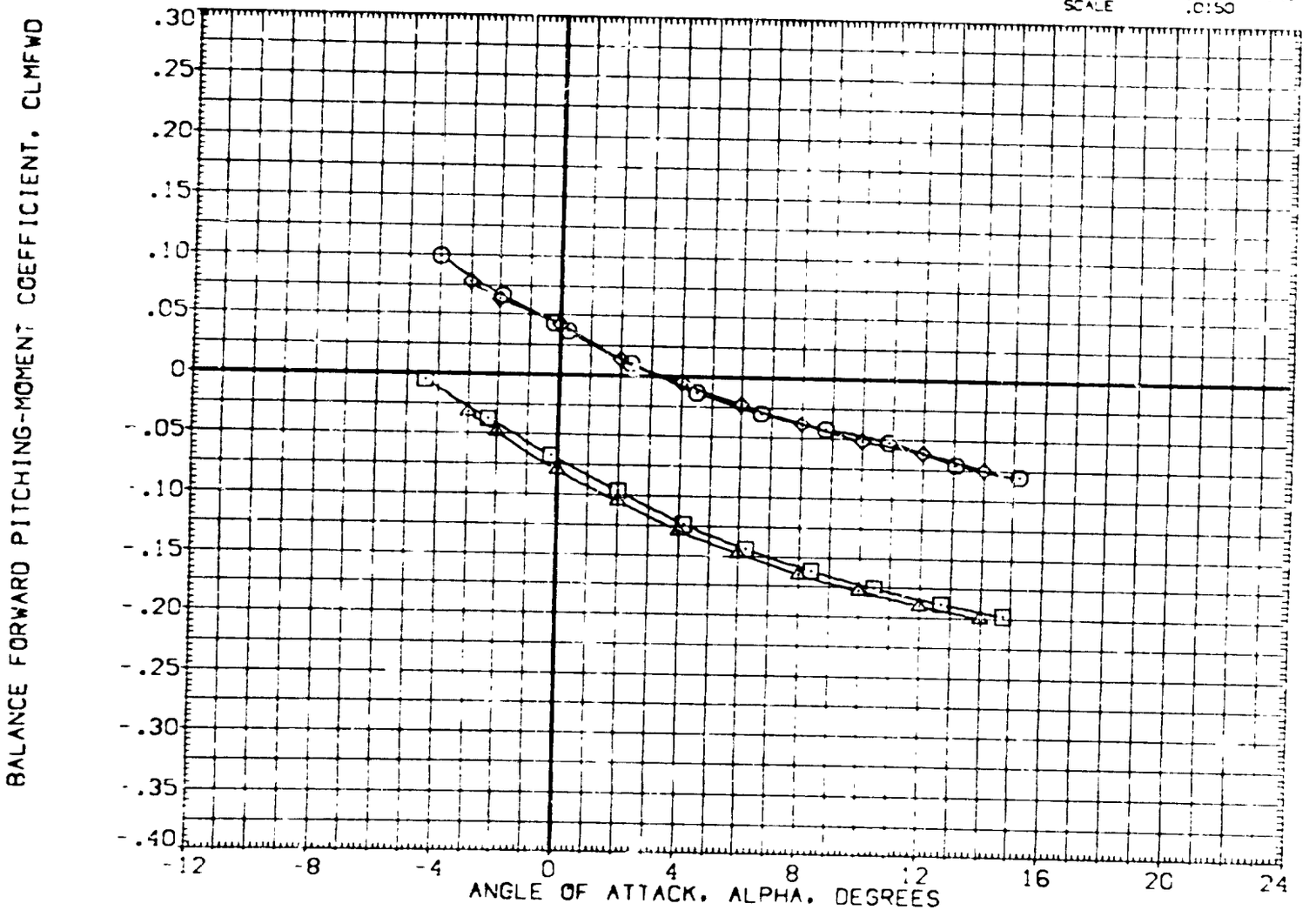


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MAC- - 1.70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0 50	

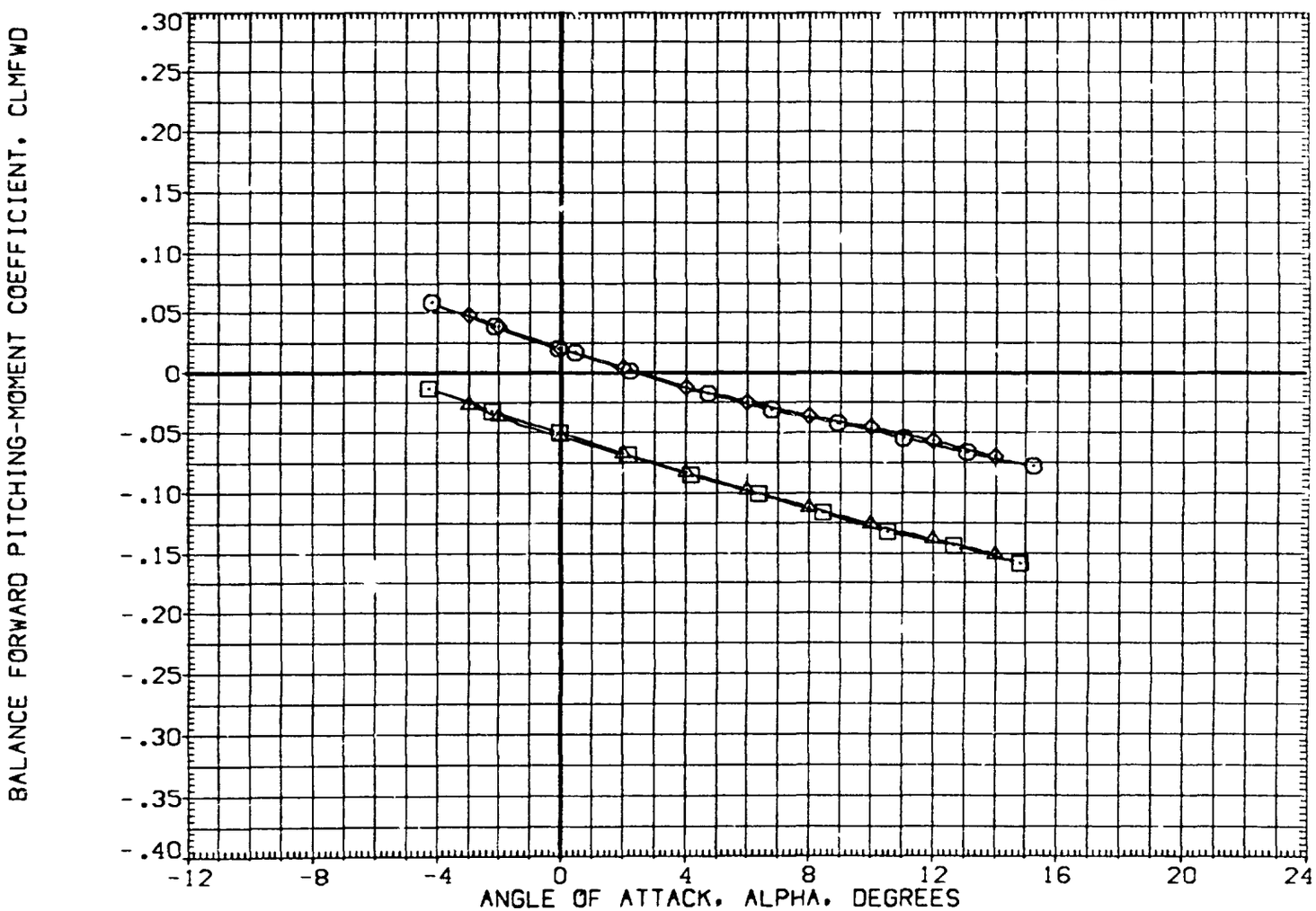


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(1ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

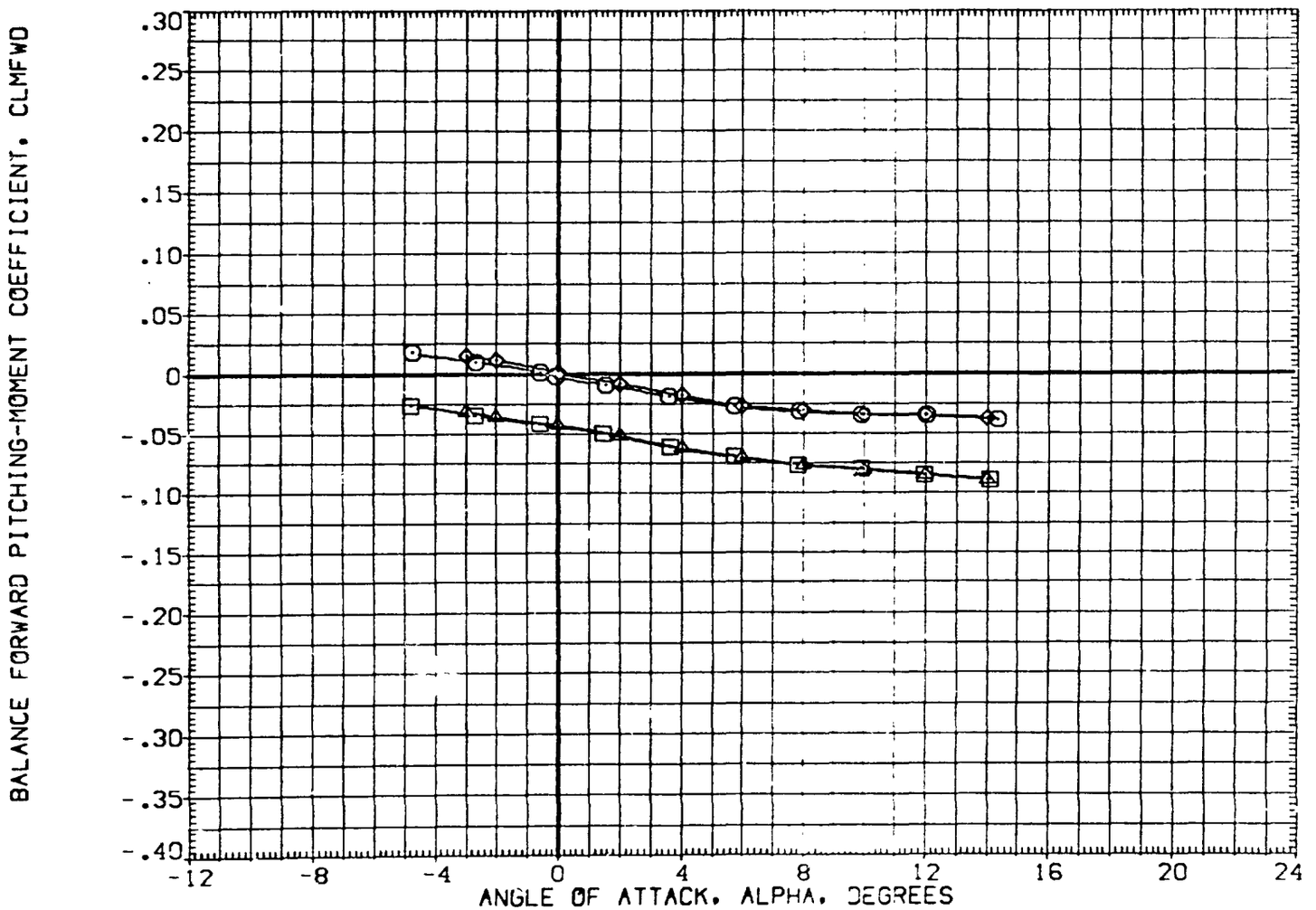


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

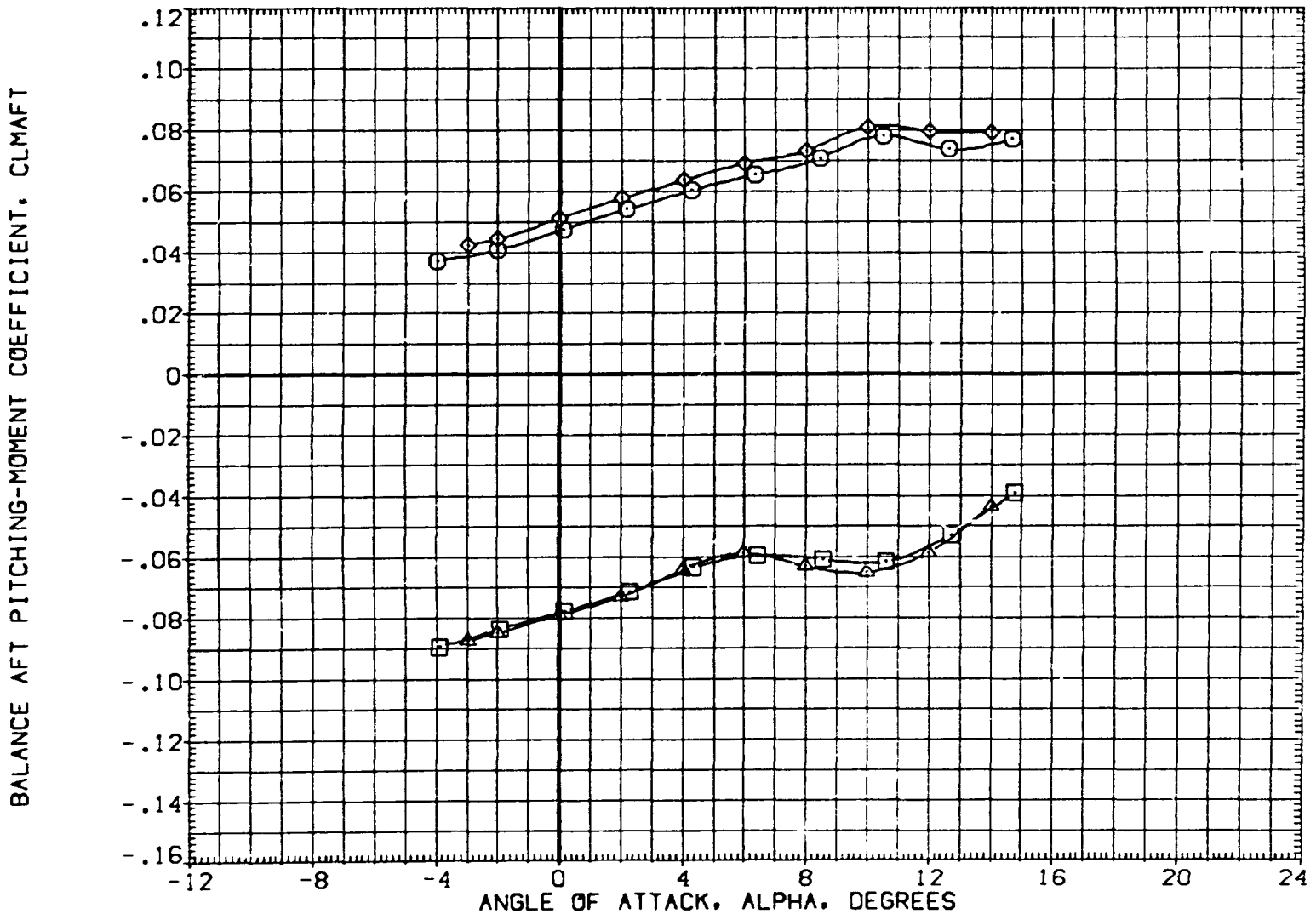


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

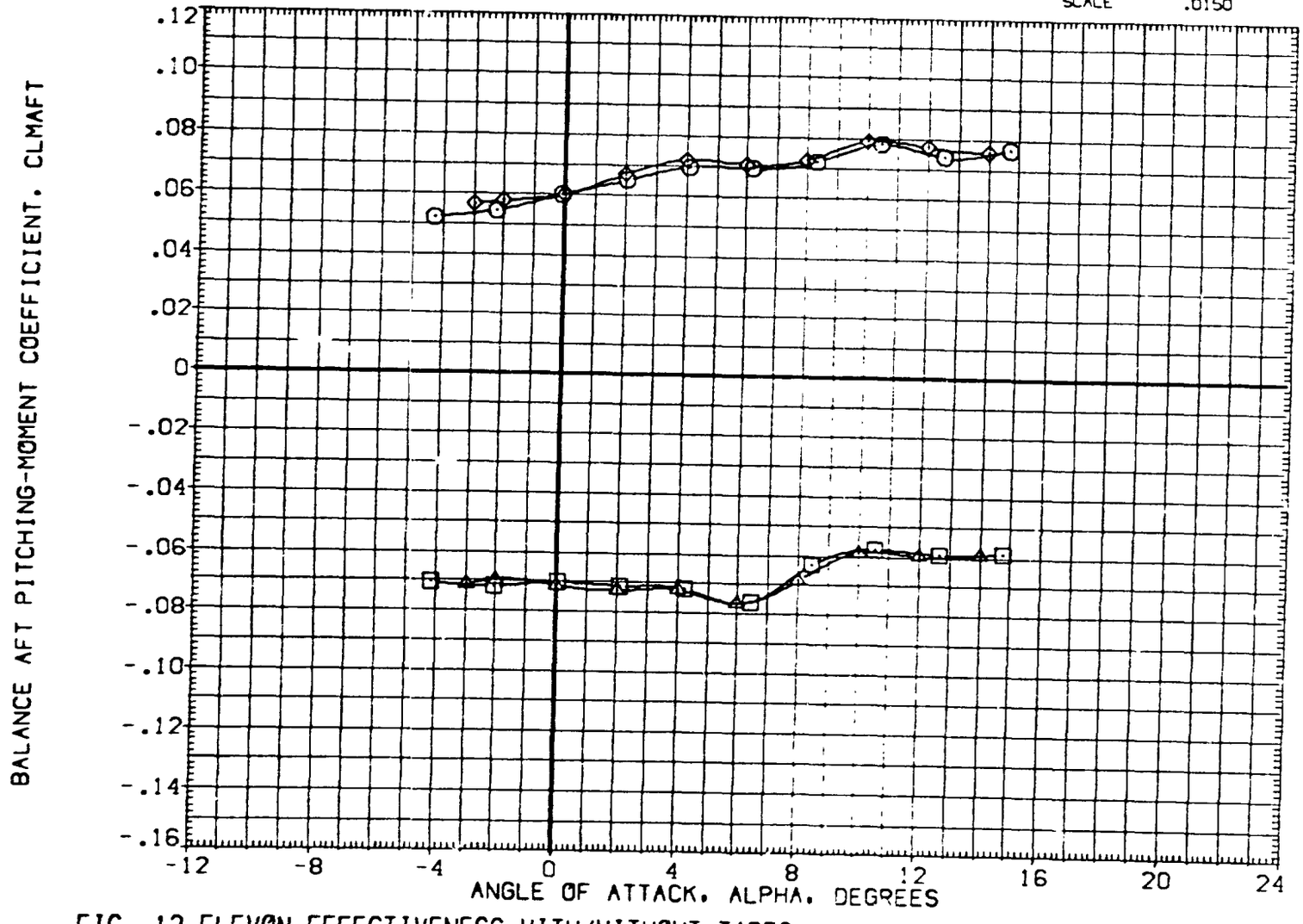


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-7CC 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

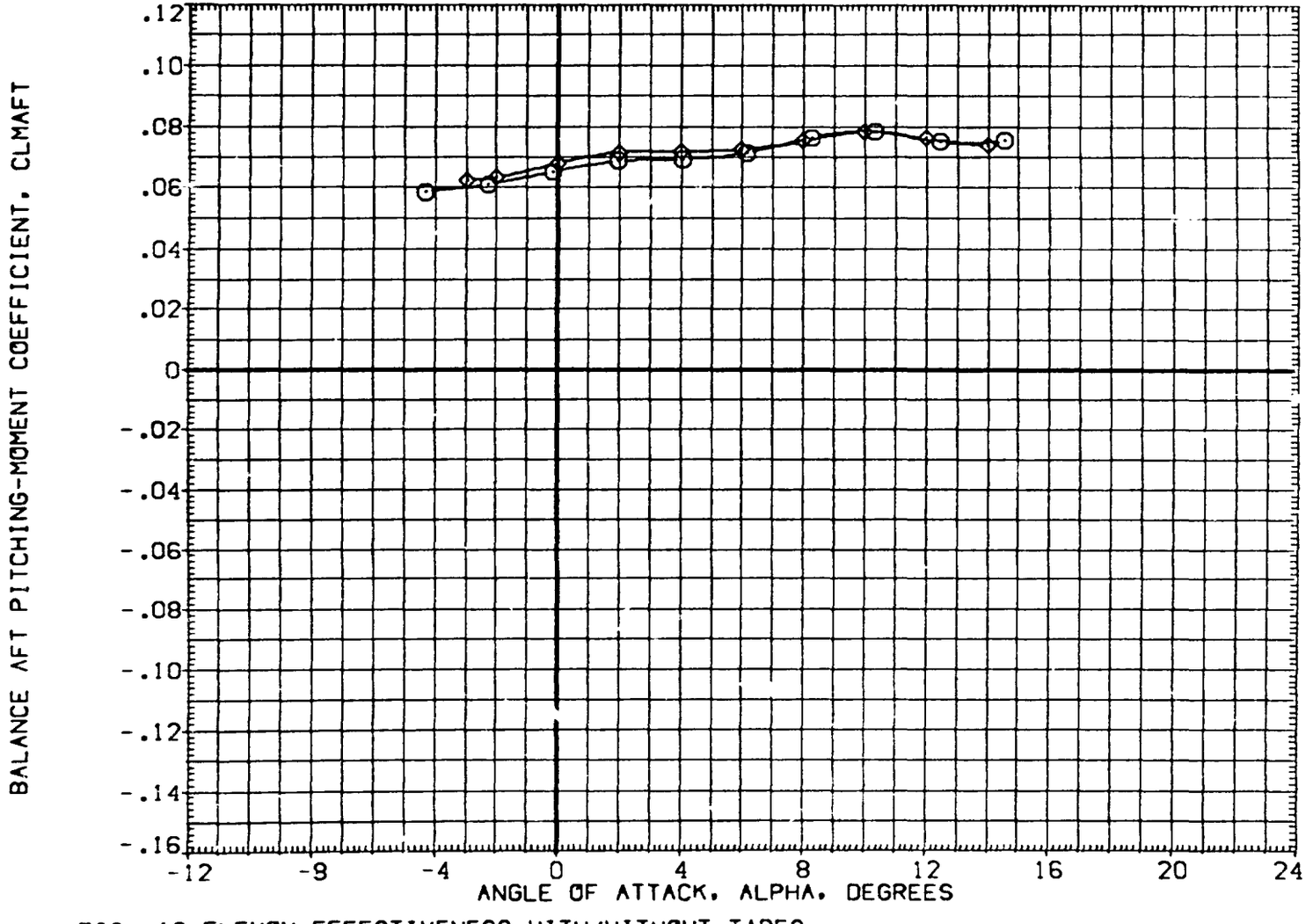


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

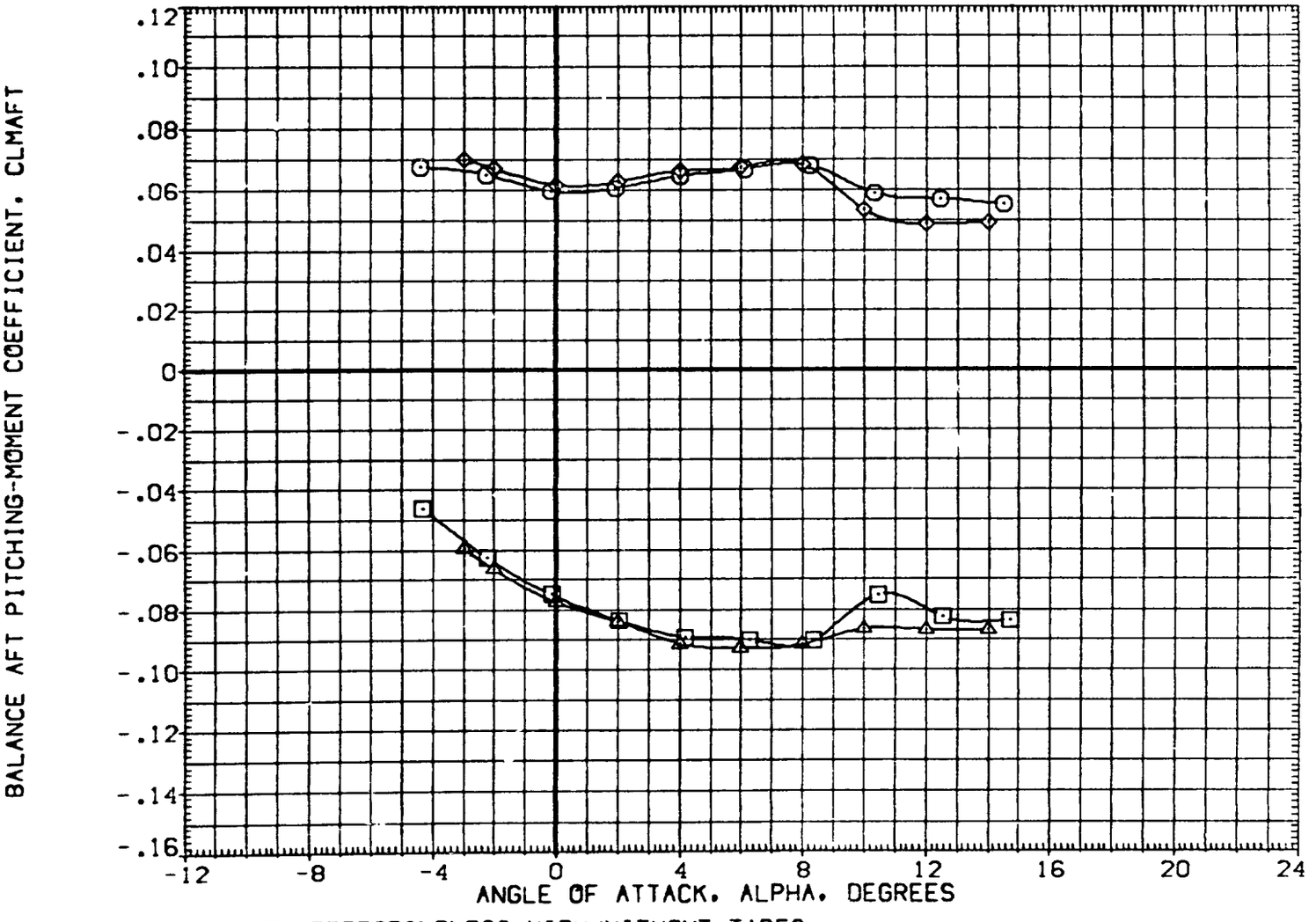


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

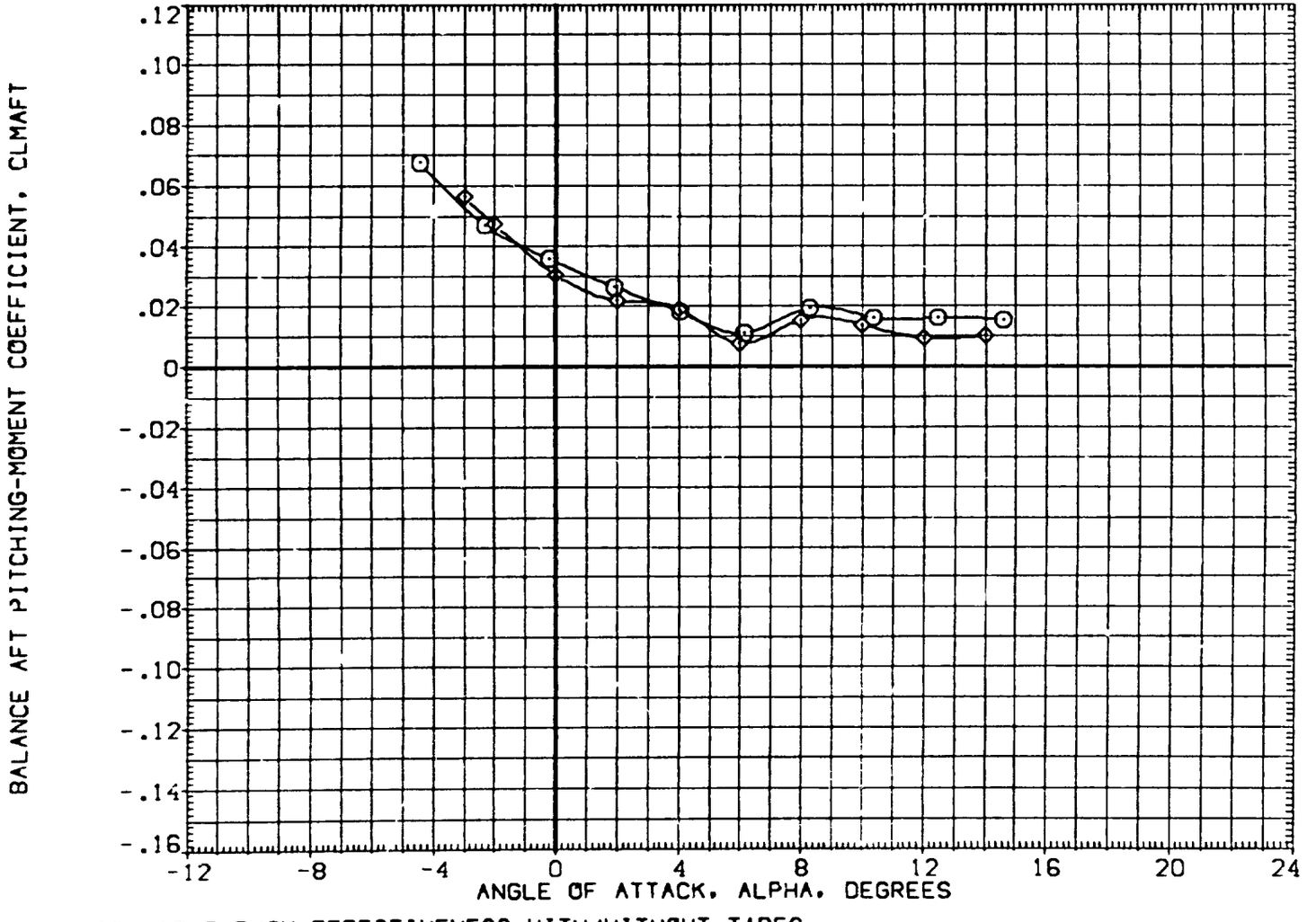


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

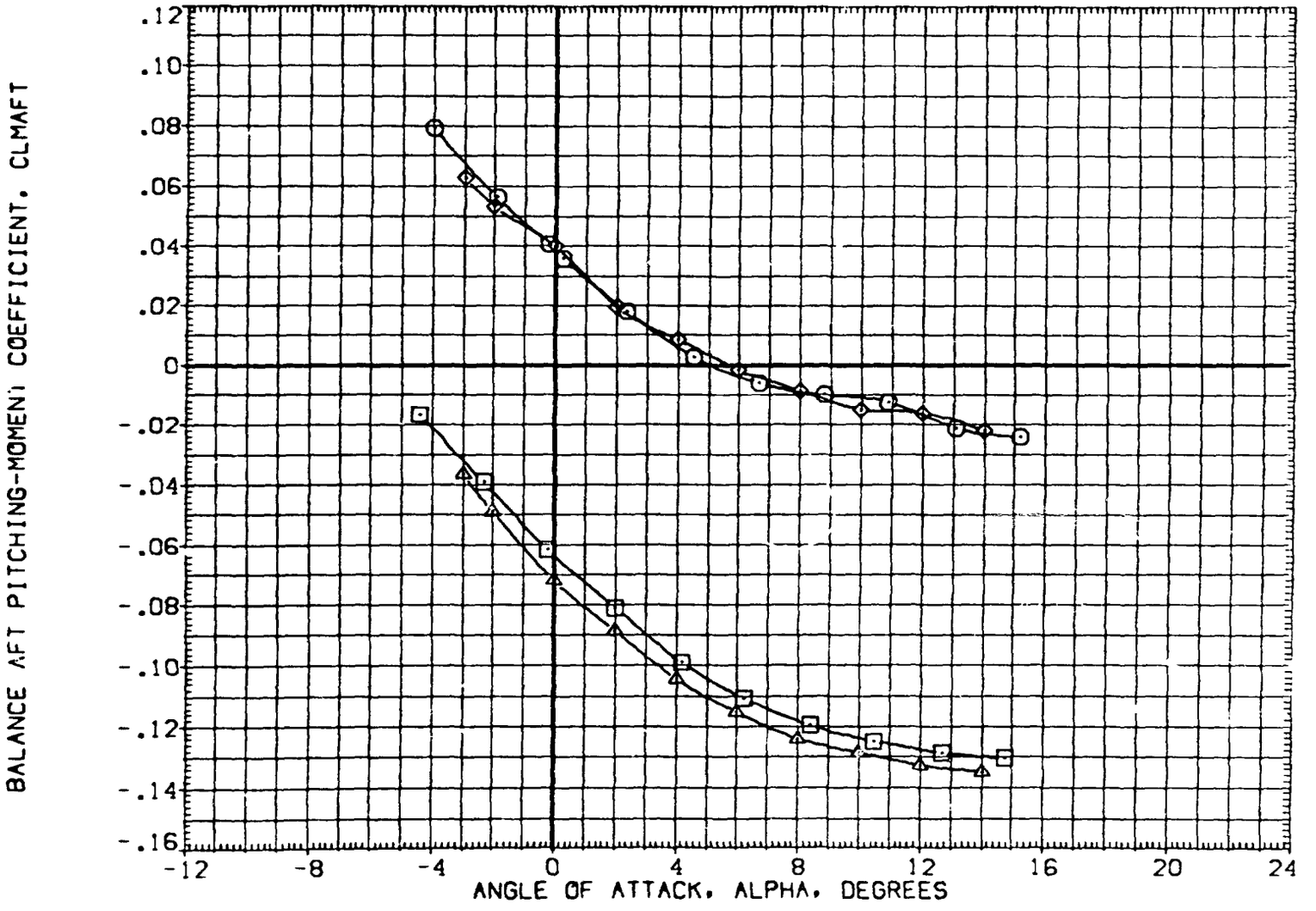


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

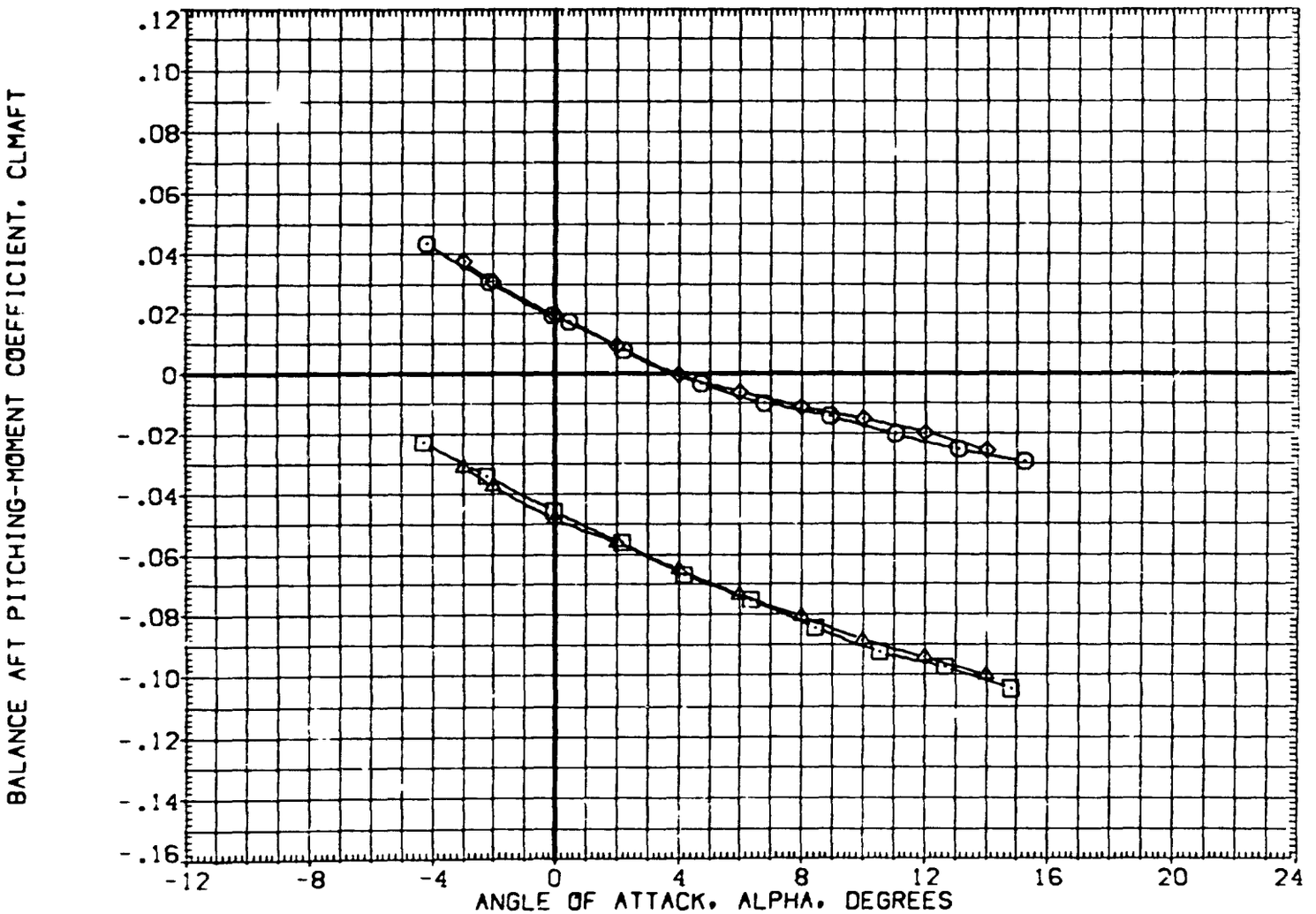


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CFR020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

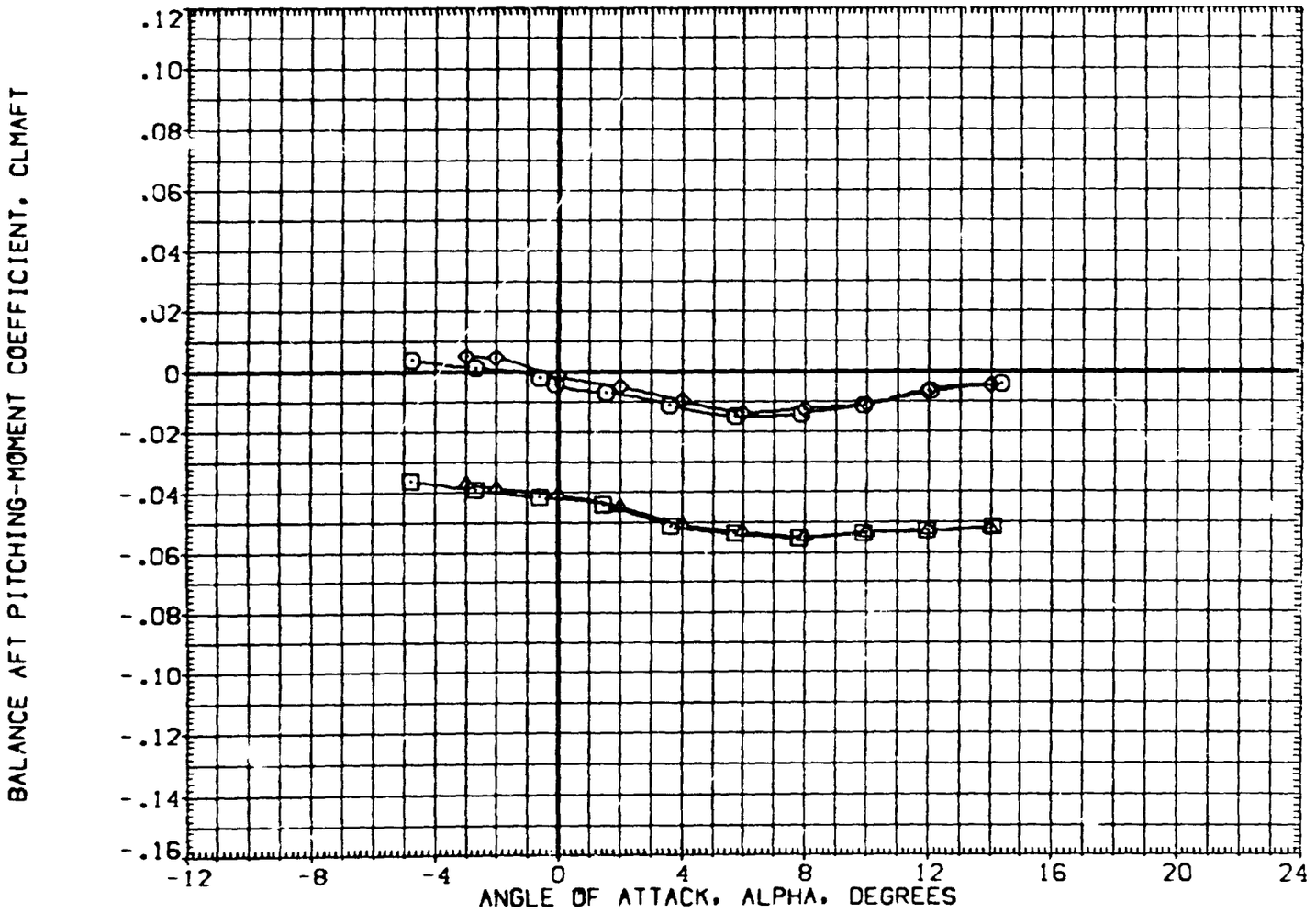


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

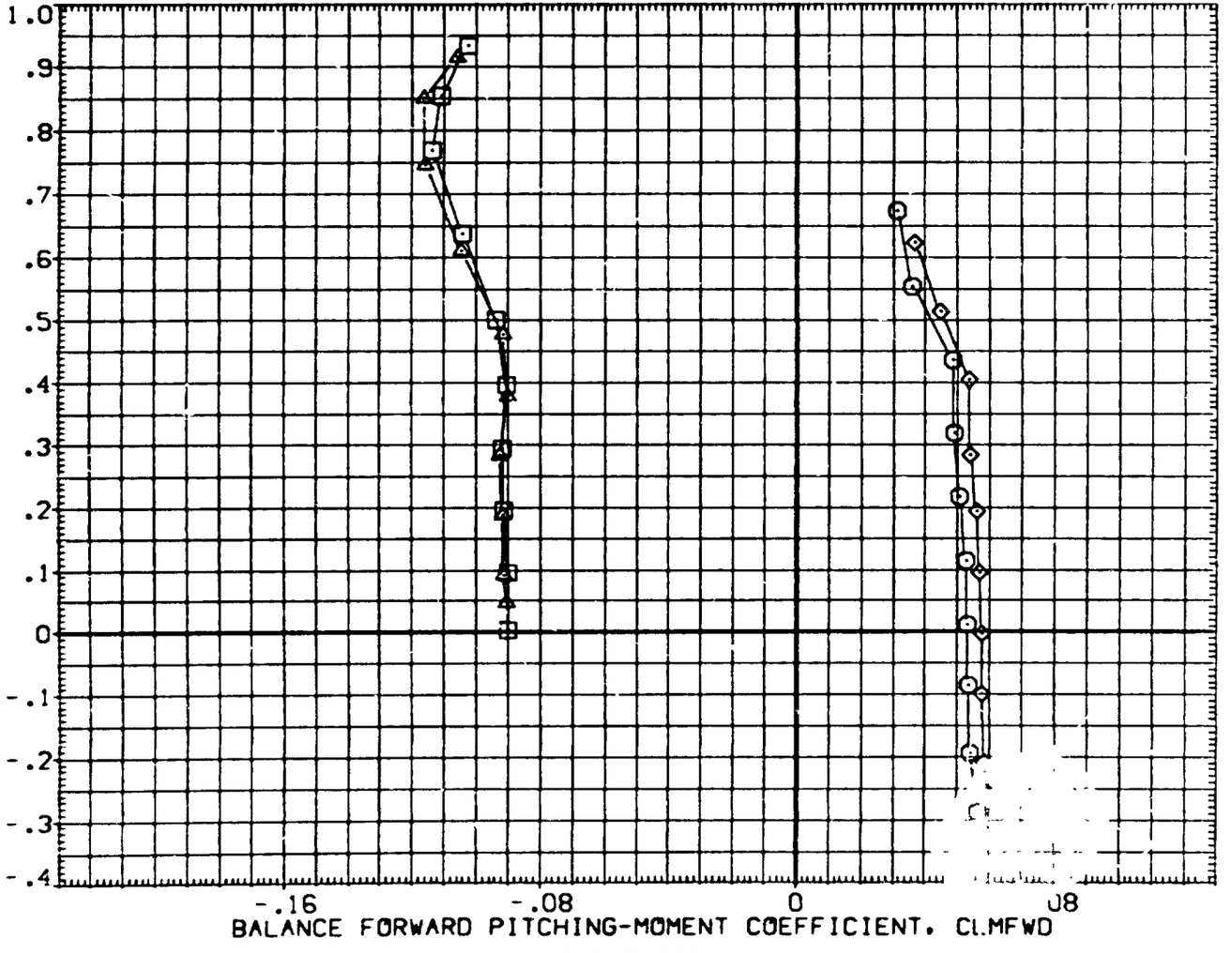


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	◇	ARC 66-709 0A59 0111 N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

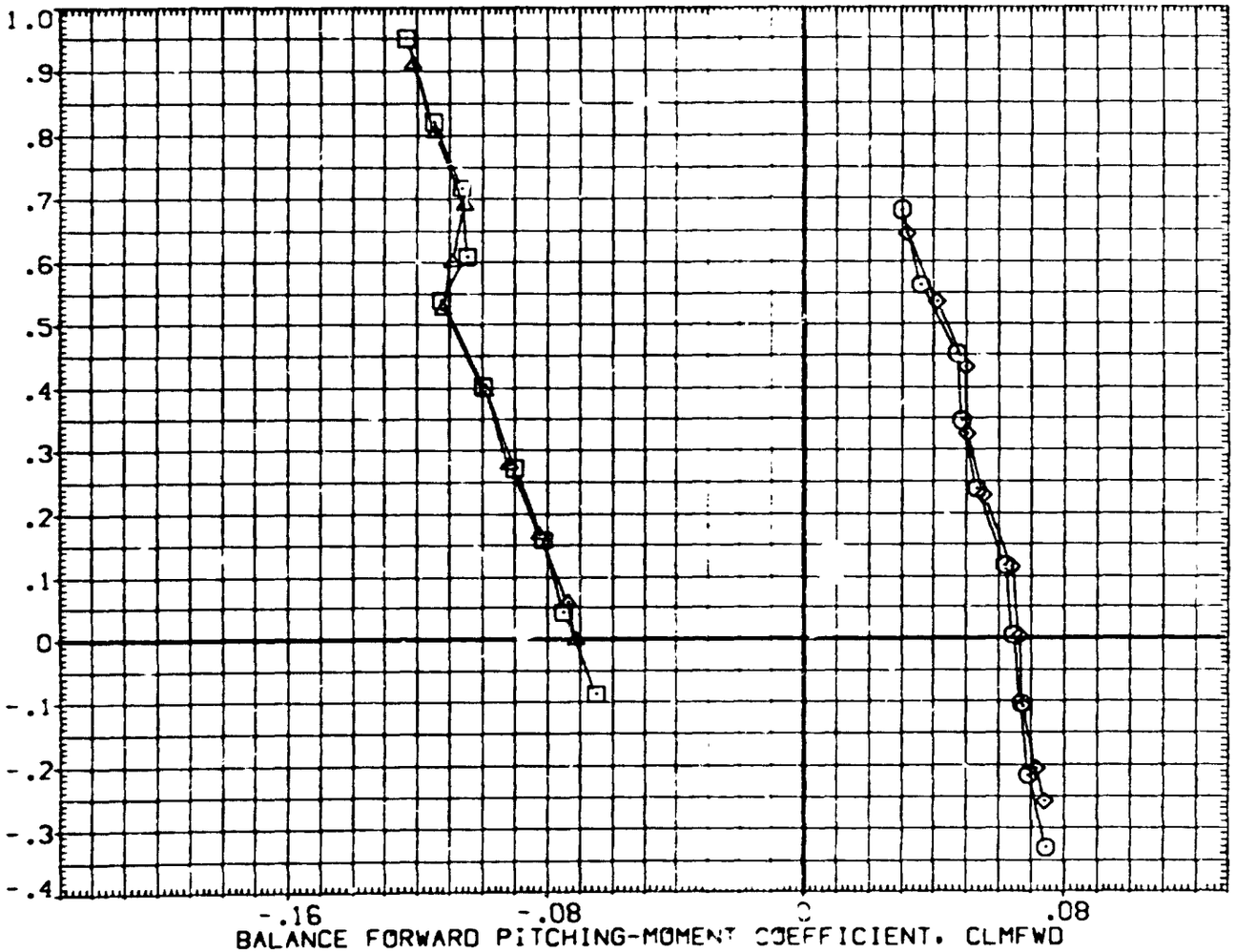


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(1ERO19)	⊗	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ERO20)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

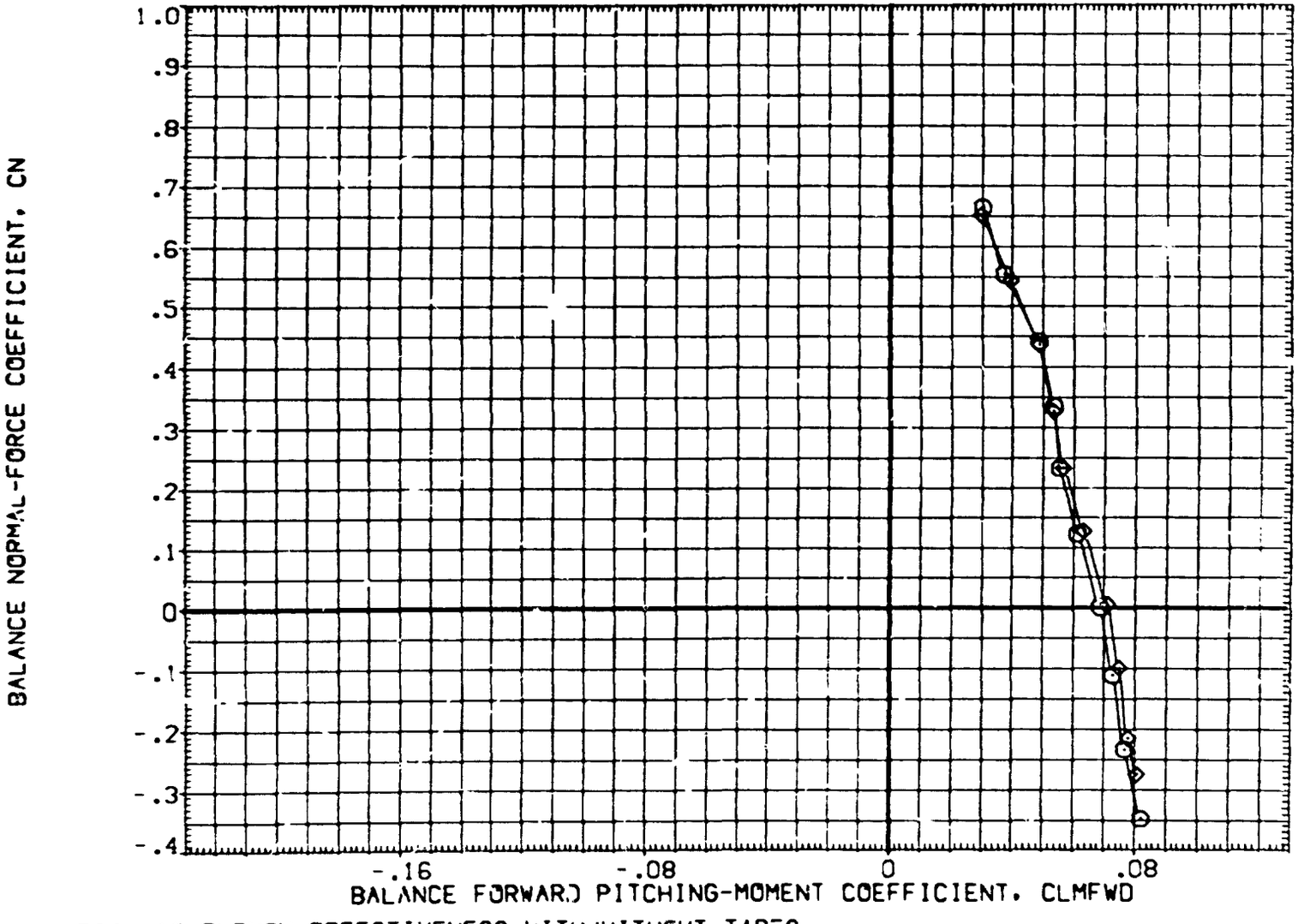


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

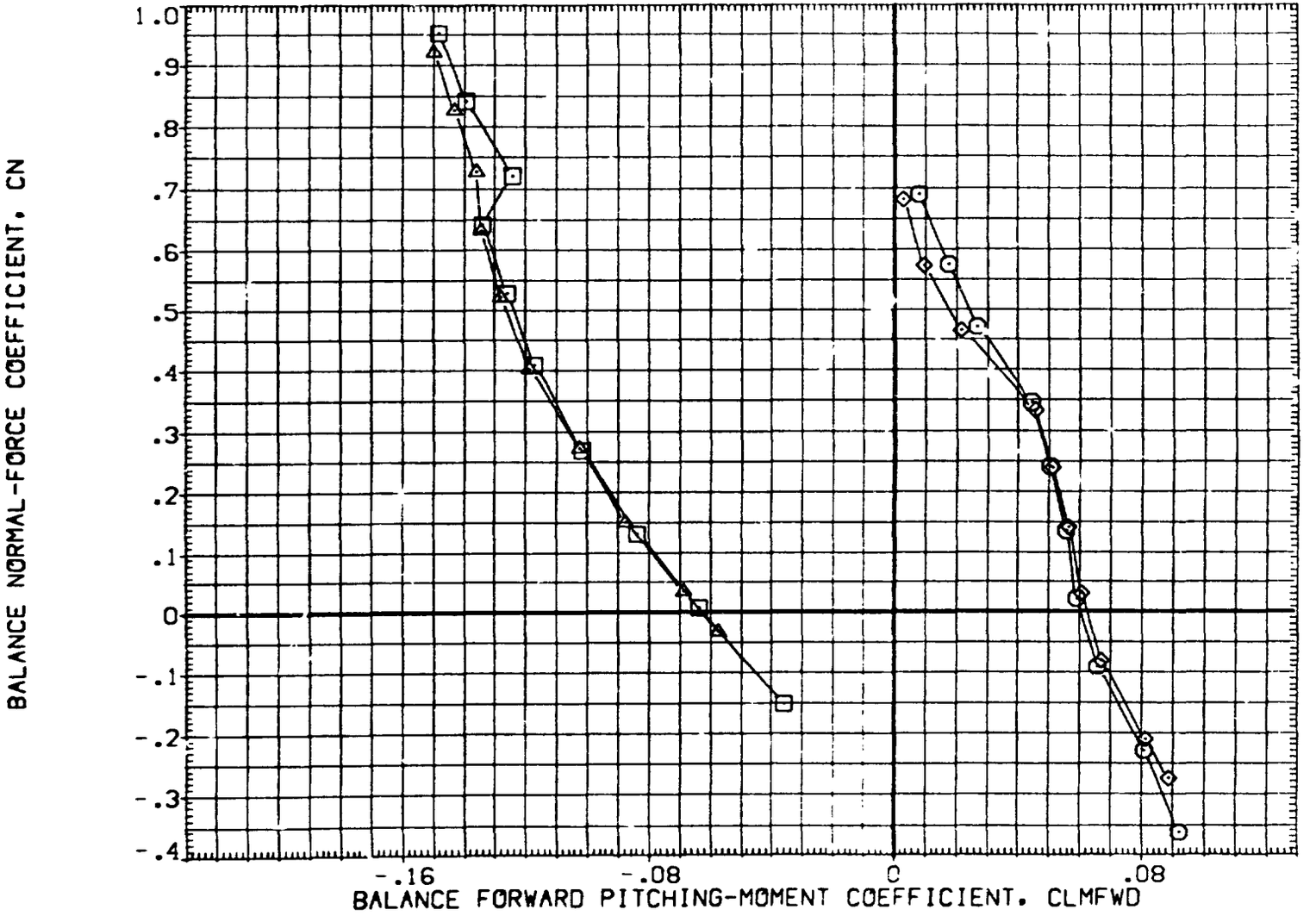


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019) ○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020) □	DATA NOT AVAILABLE	.000	15.000	-11.700
(1ER019) ◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER020) △	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

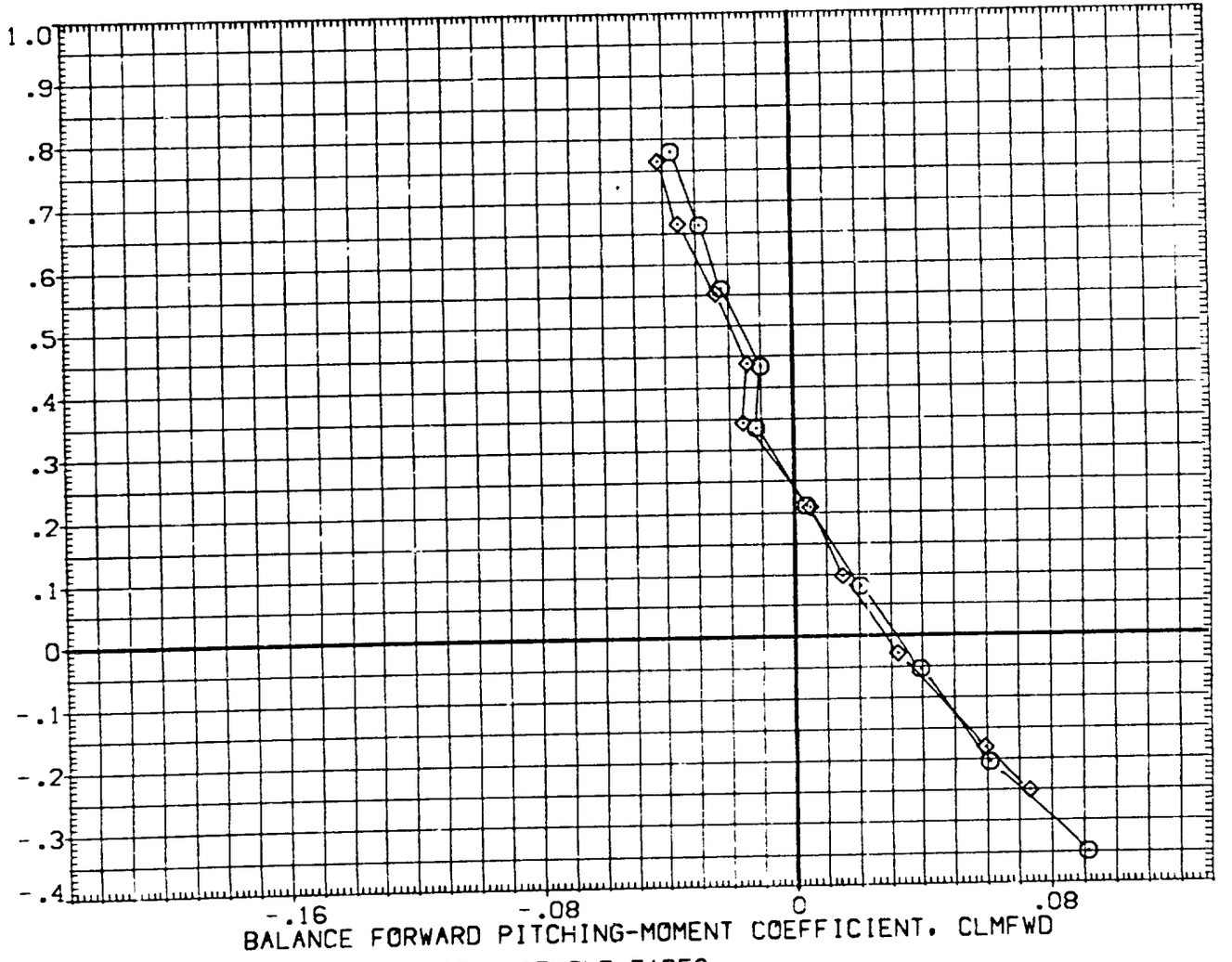


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

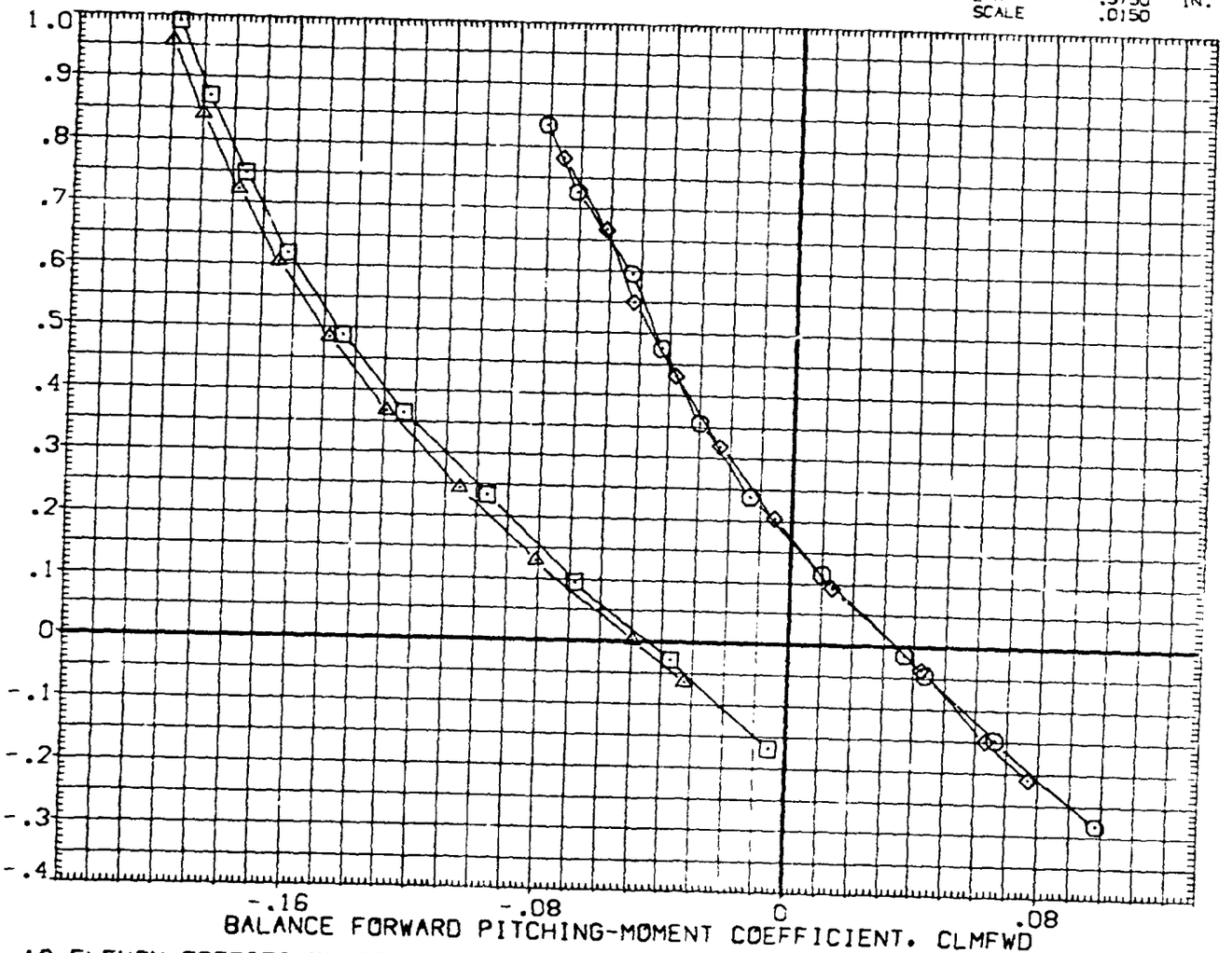


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	-5.000	-11.700
(IER019)	⊠	ARC 66-709 0A59 0!1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 0!1A-N24 (ADJUSTED FOR TARES)	.000	-5.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

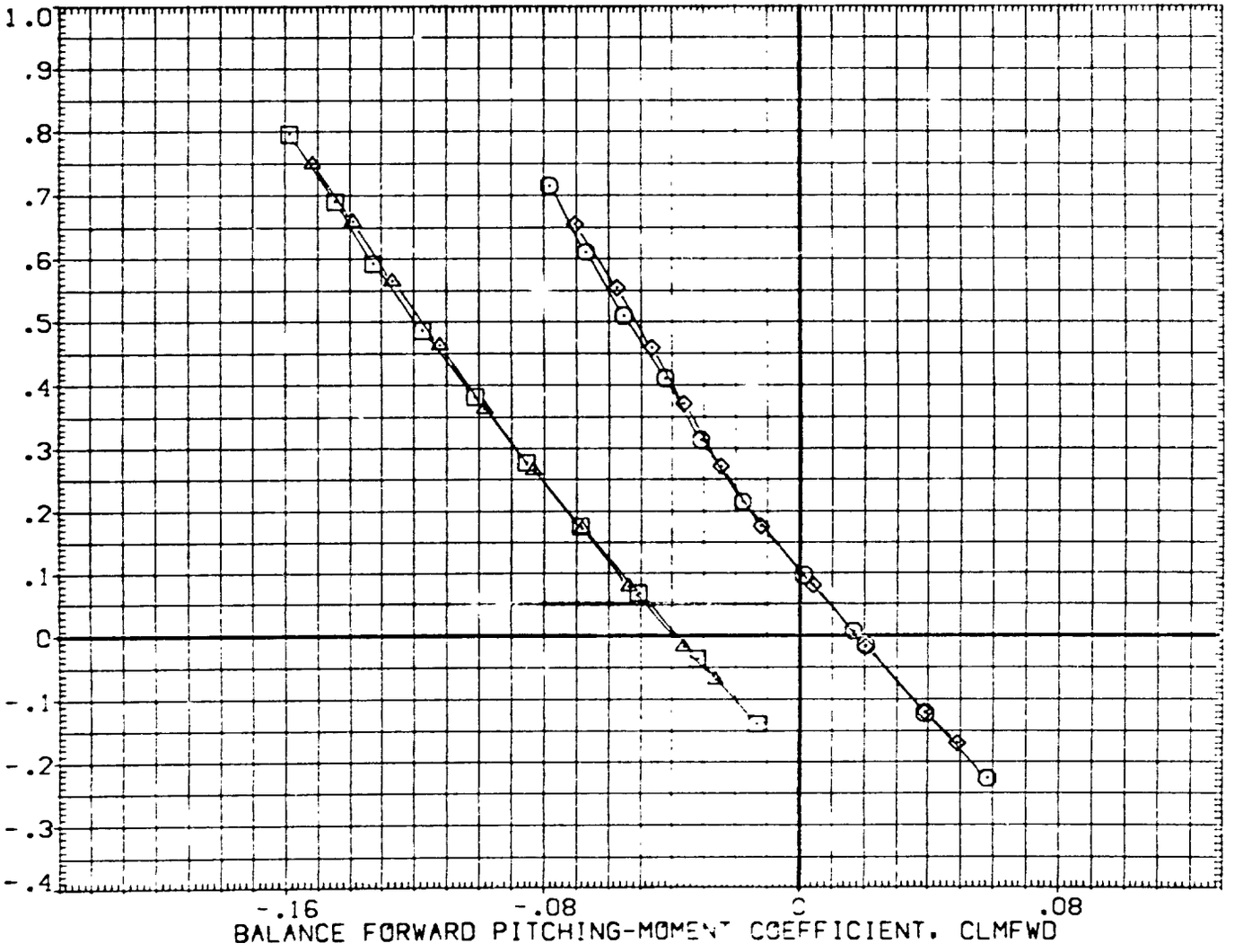


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11.-(N24)	.000	.000	-11.700
(CER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊠	ARC 66-709 0A59 0::A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 0::A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

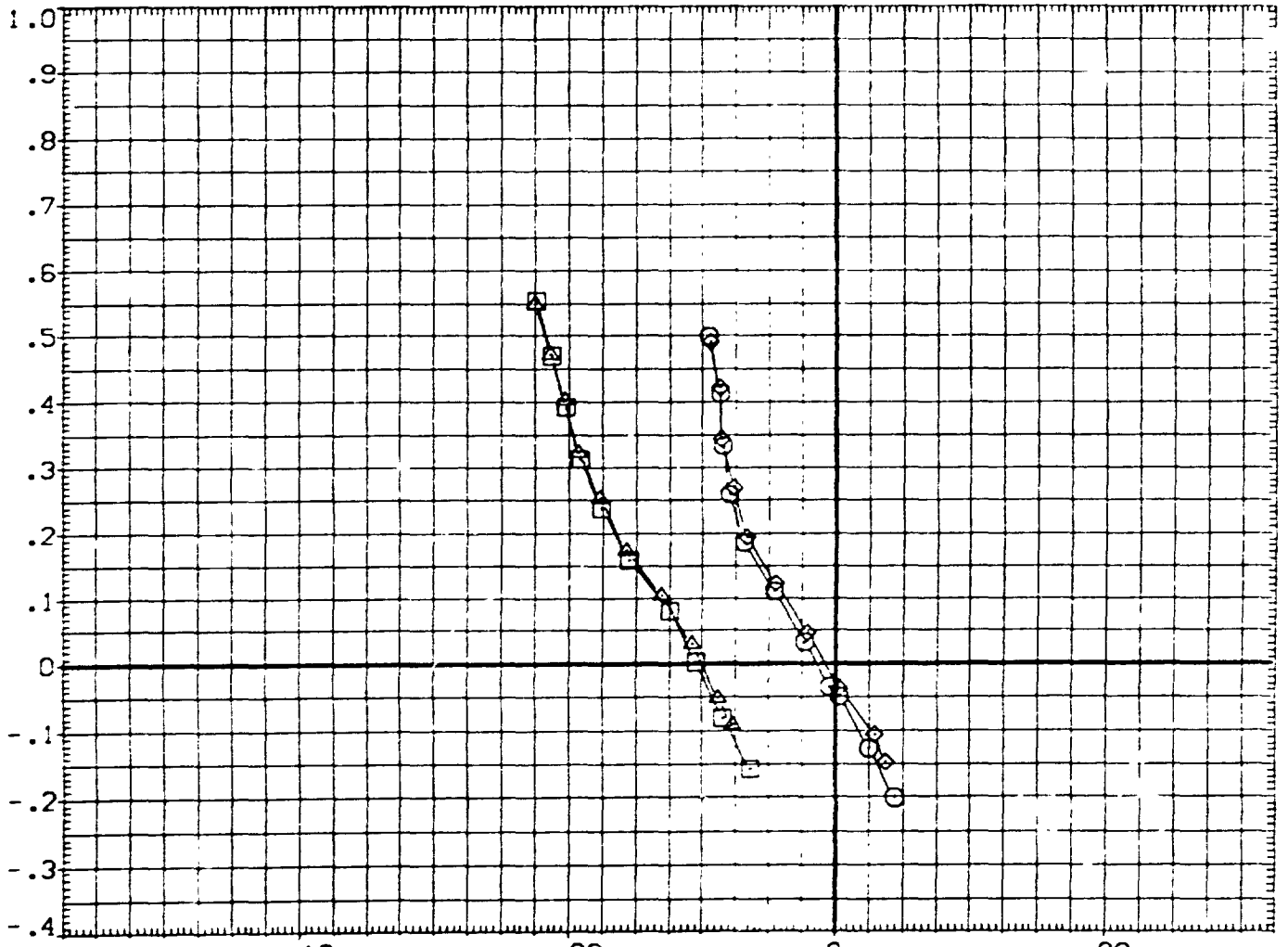


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

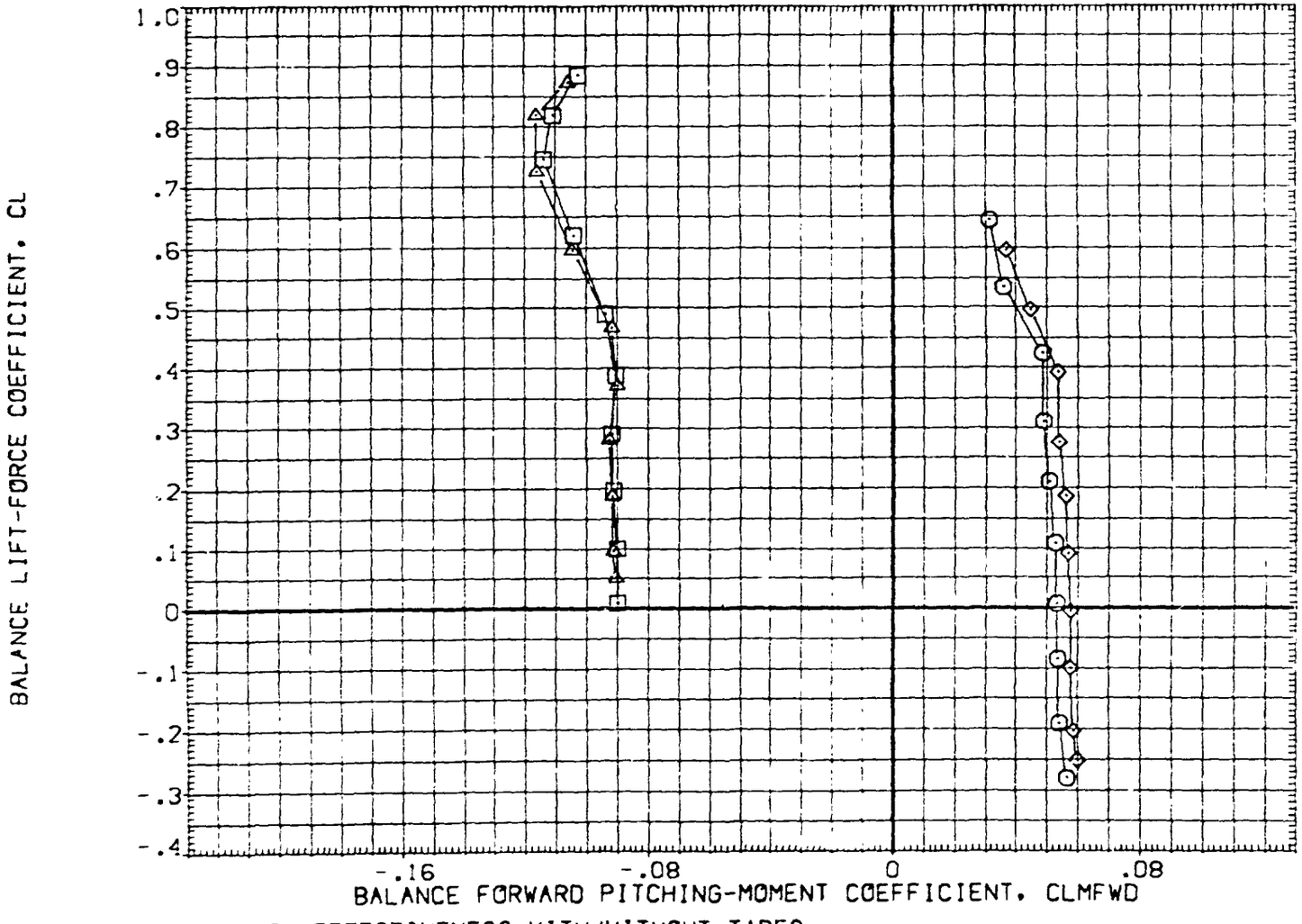


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(1ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

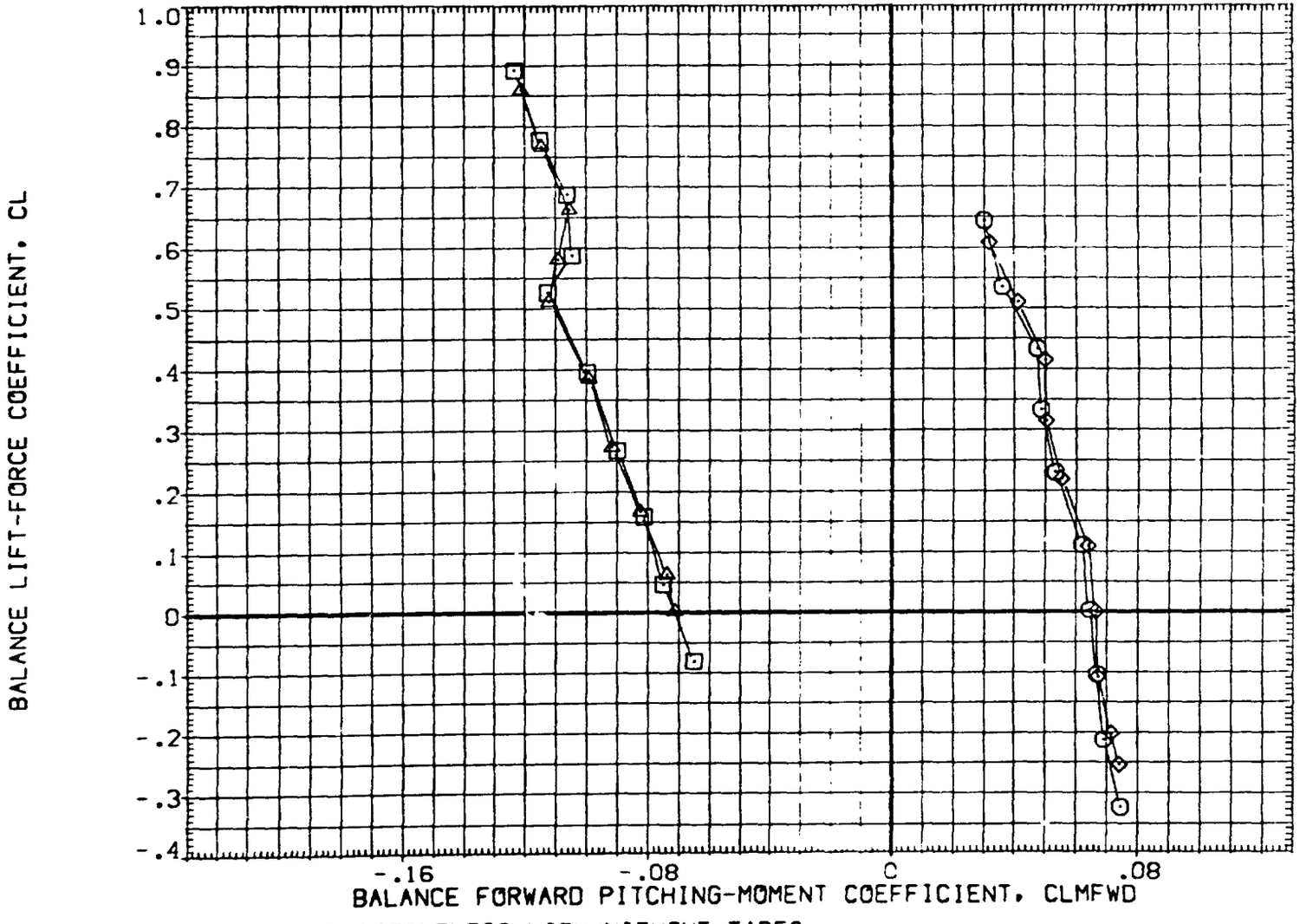


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	⋈	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

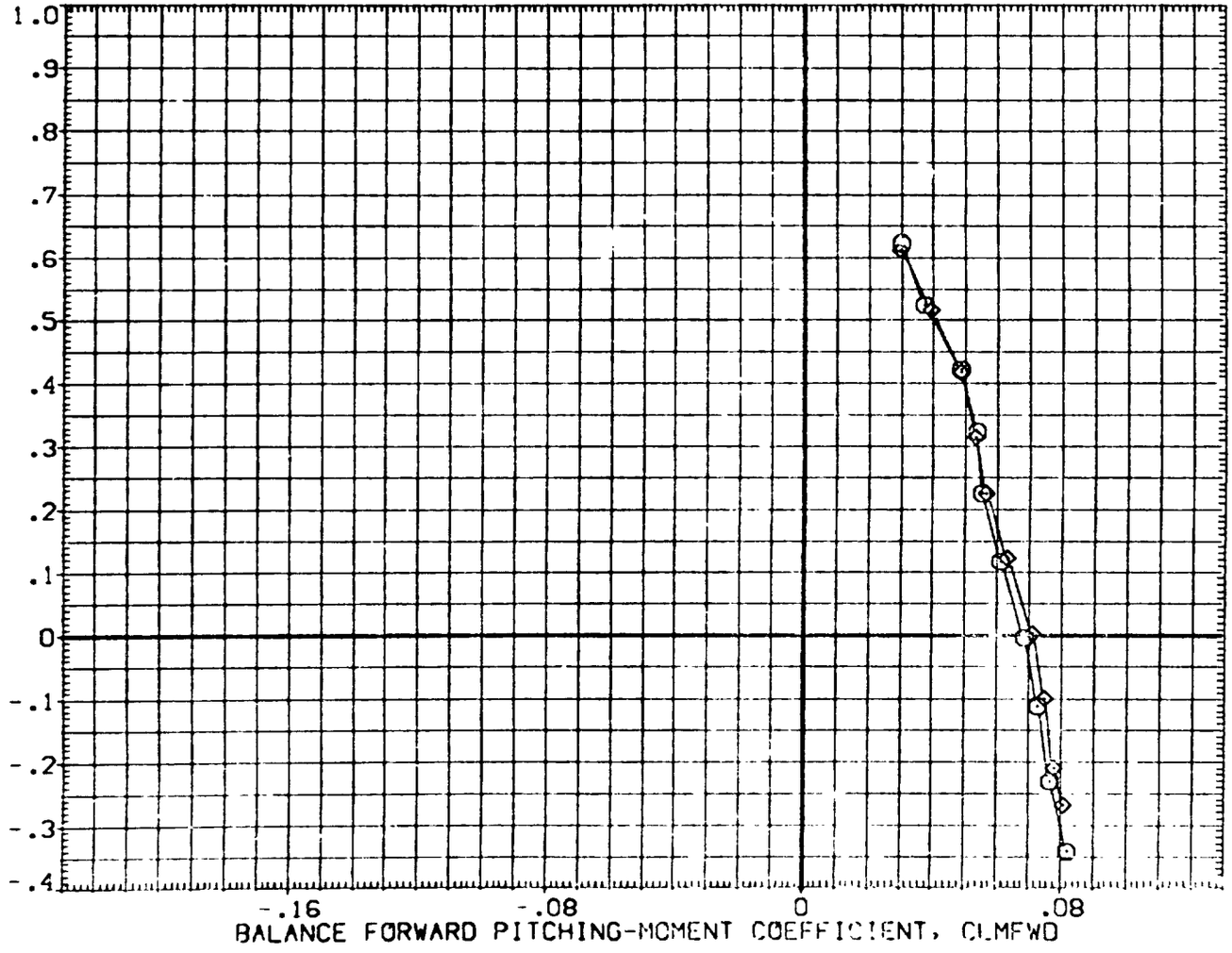


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(:ER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(:ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

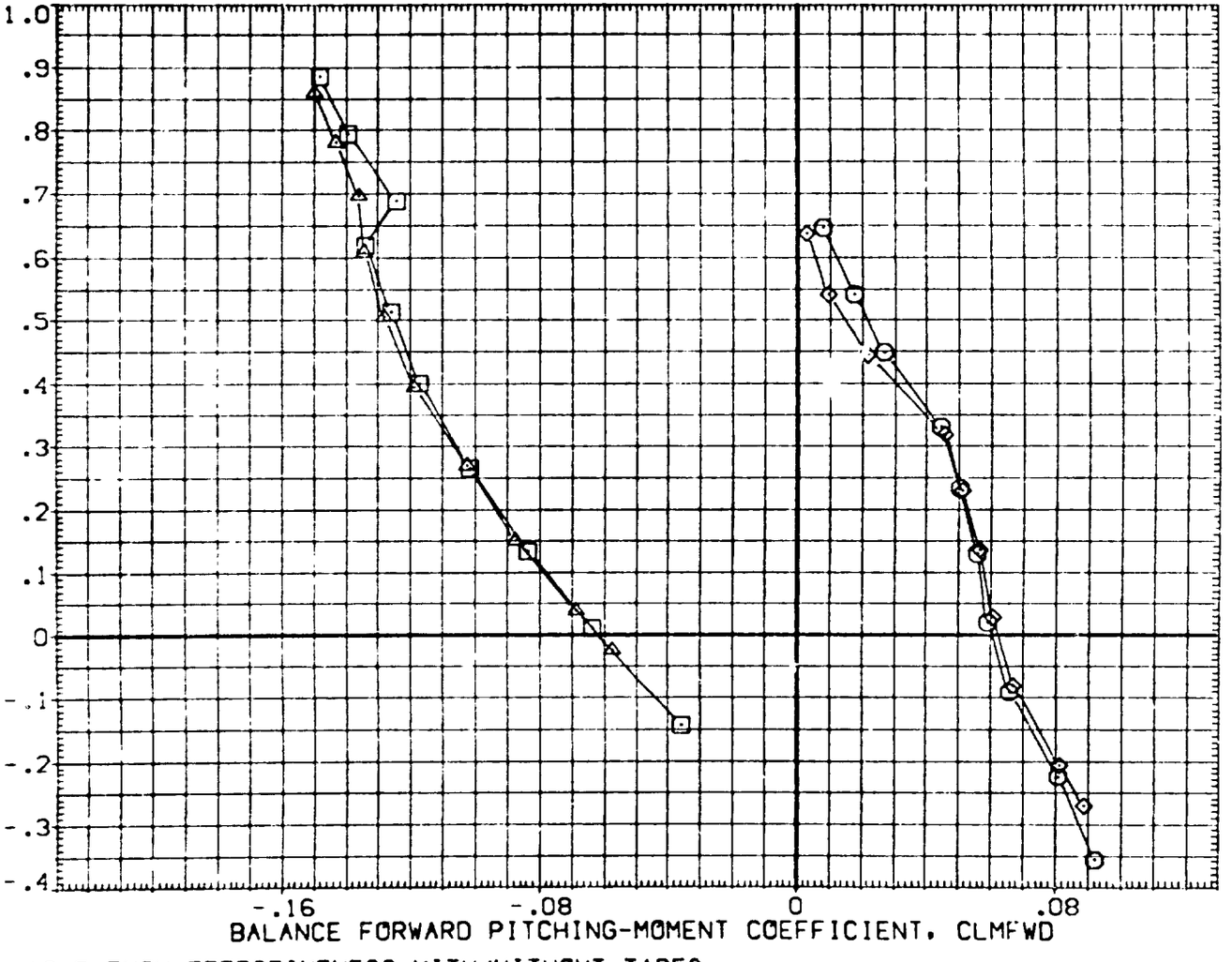


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(ERO19)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ERC20)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

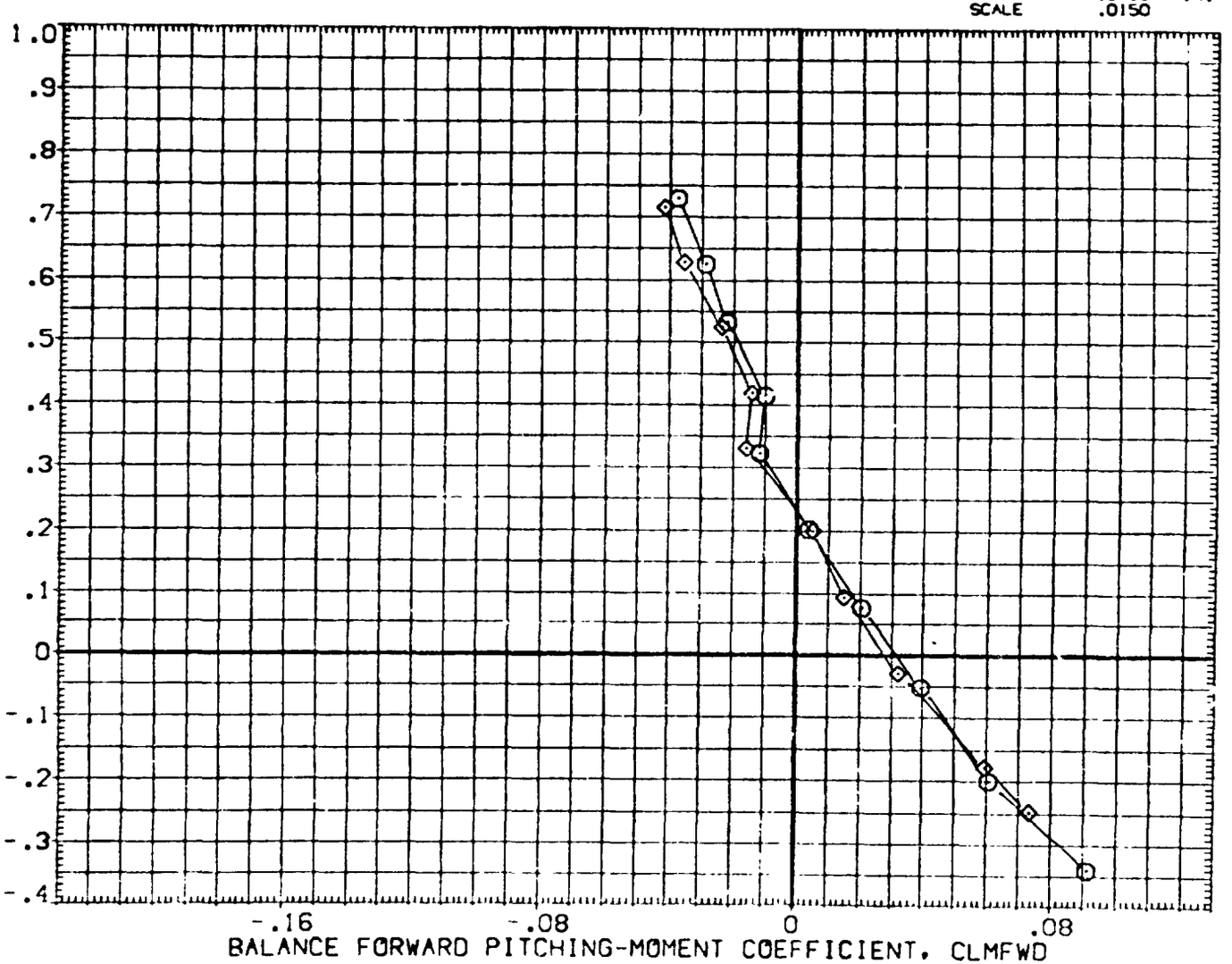


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

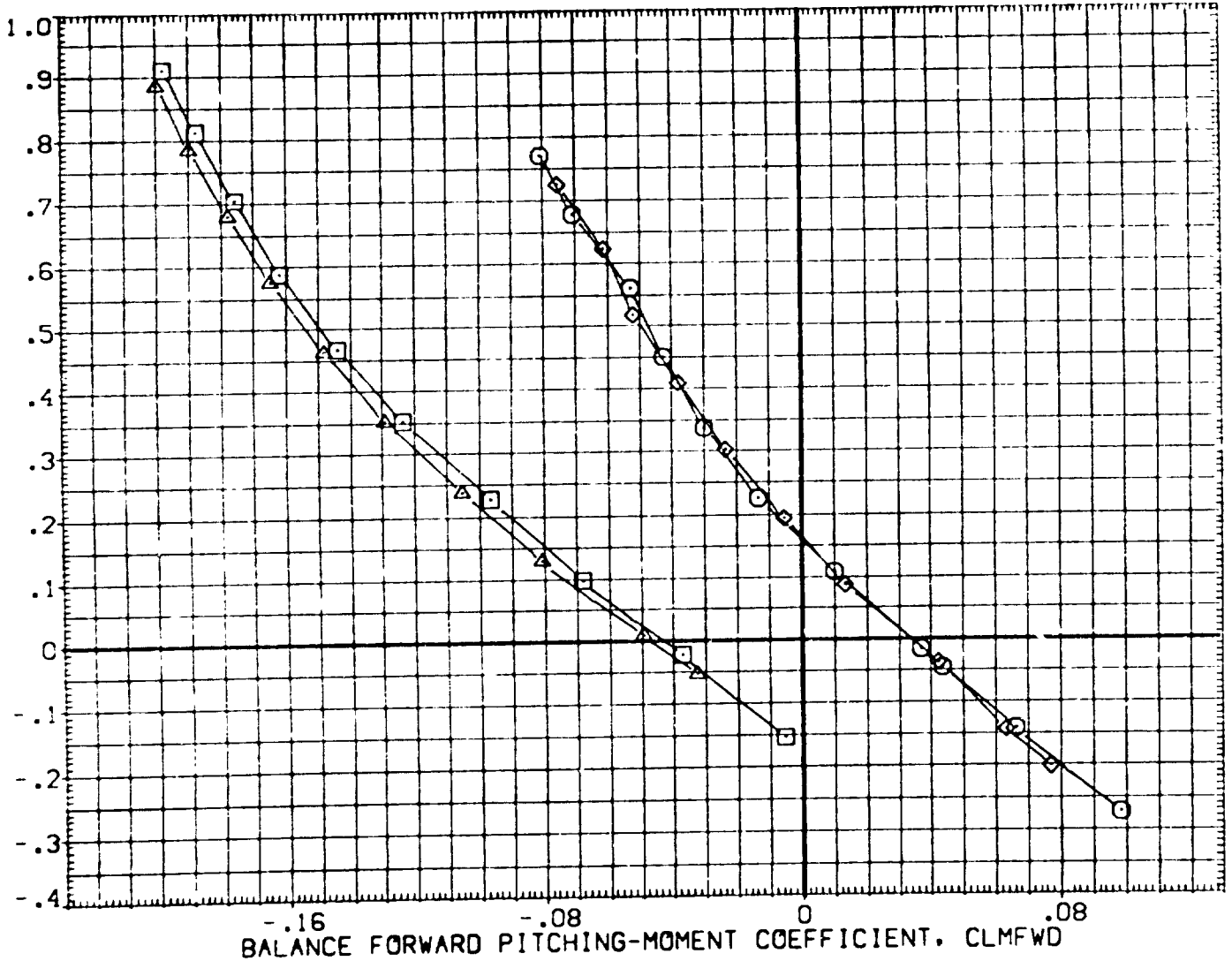


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

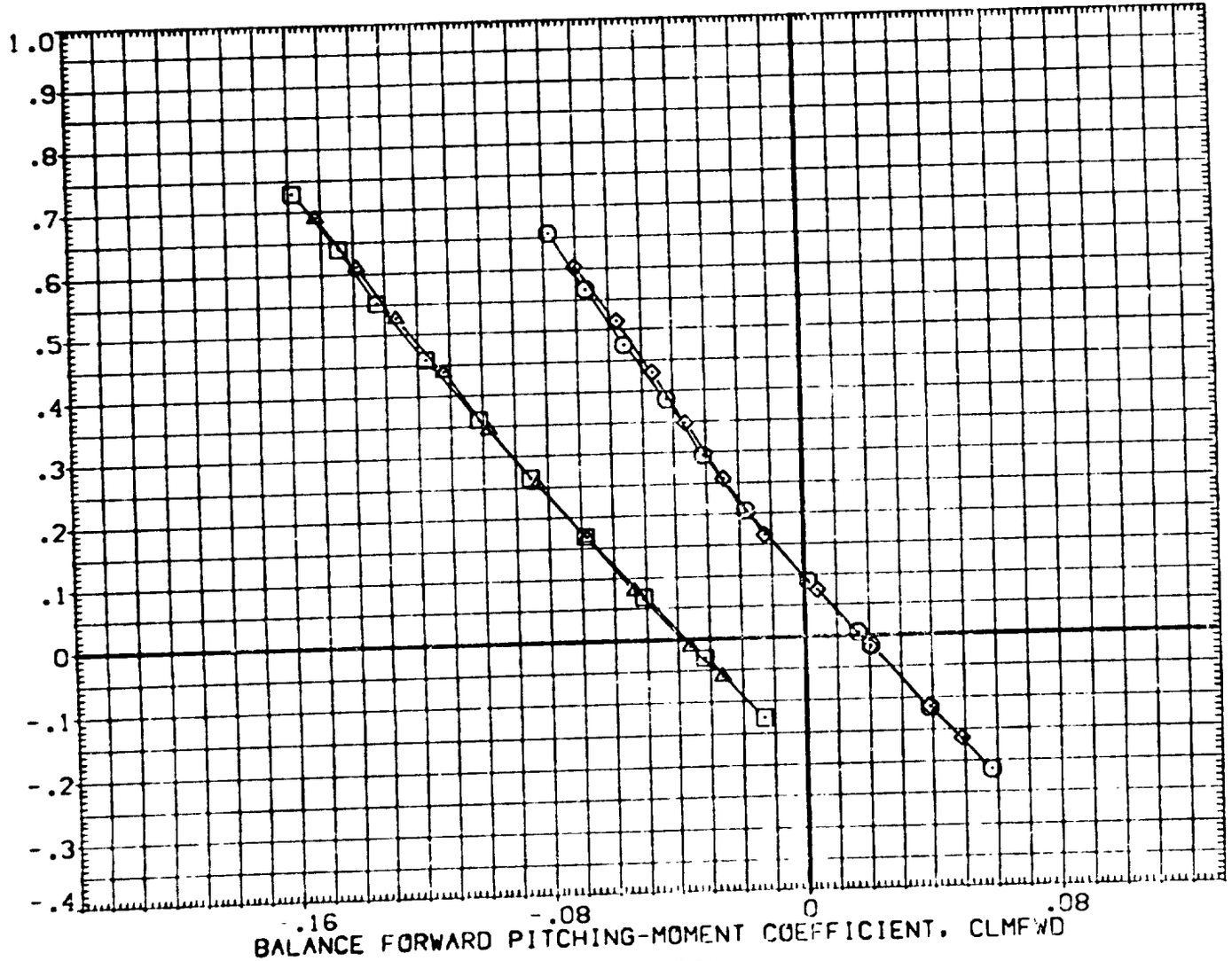


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 CA59 CA11A-(N24)	.000	.000	-11.700
(CERO20)	◻	ARC 66-709 CA59 CA11A-(N24)	.000	15.000	-11.700
(IERO19)	⊠	ARC 66-709 CA59 CA11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	⧖	ARC 66-709 CA59 CA11A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

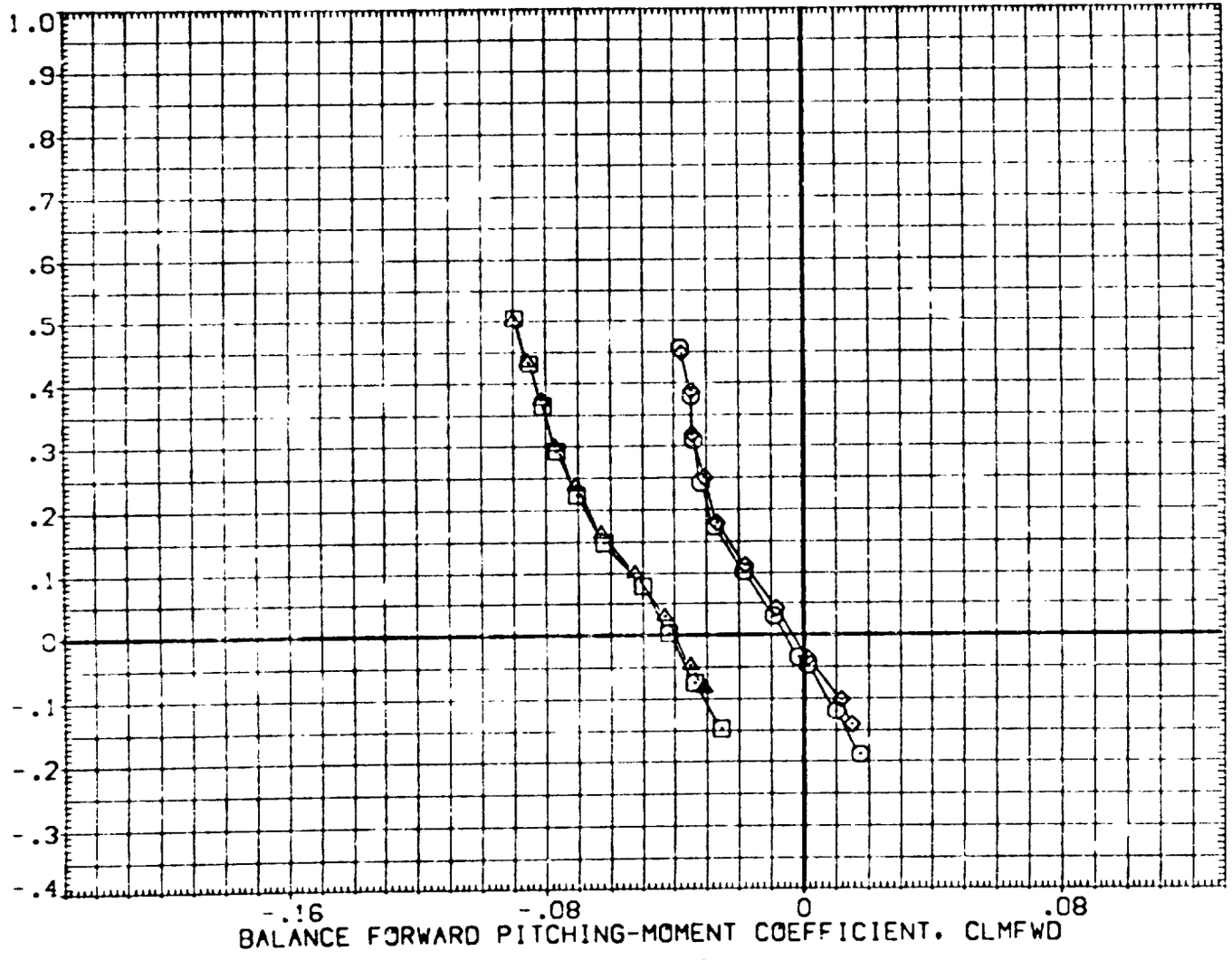


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

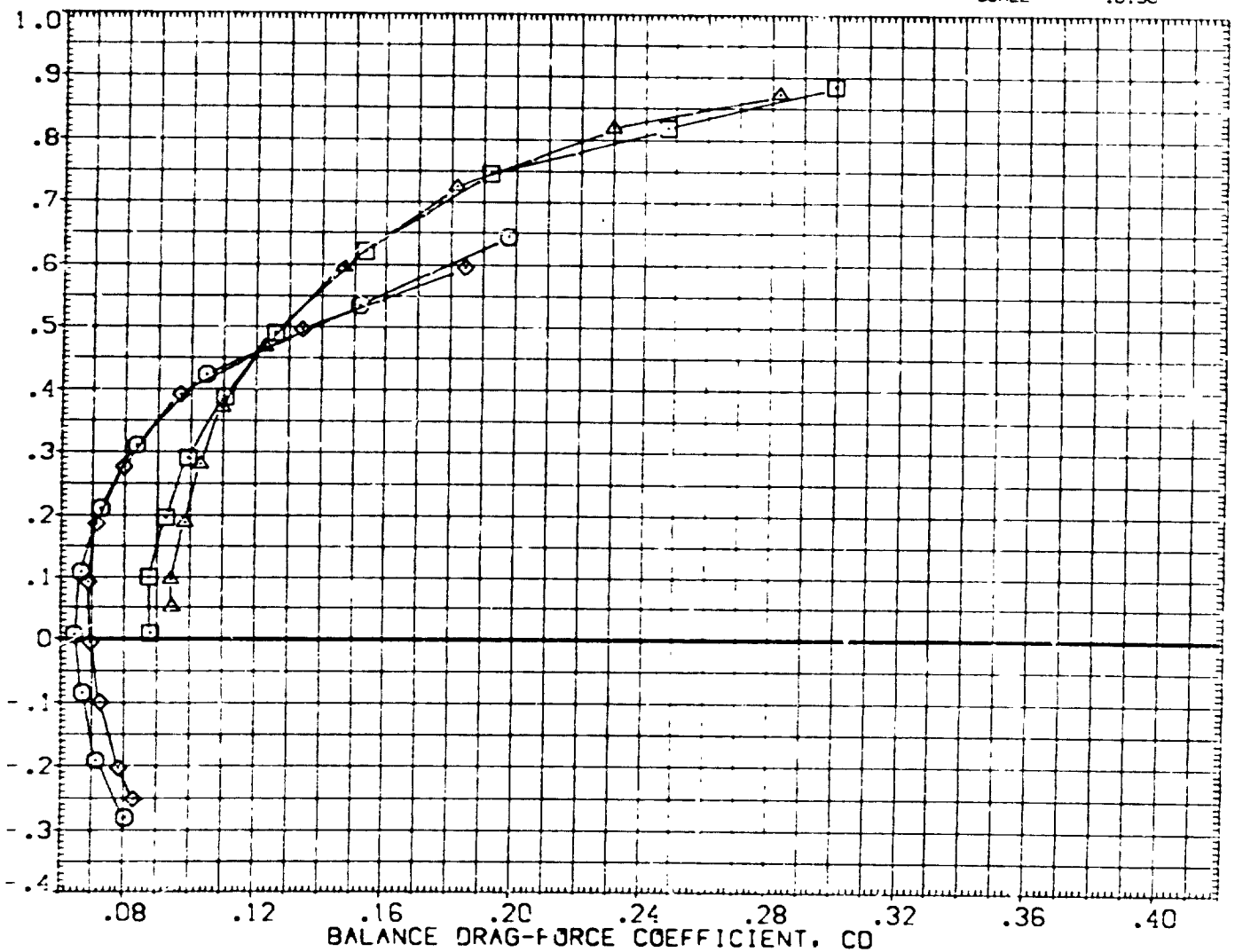


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)		ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

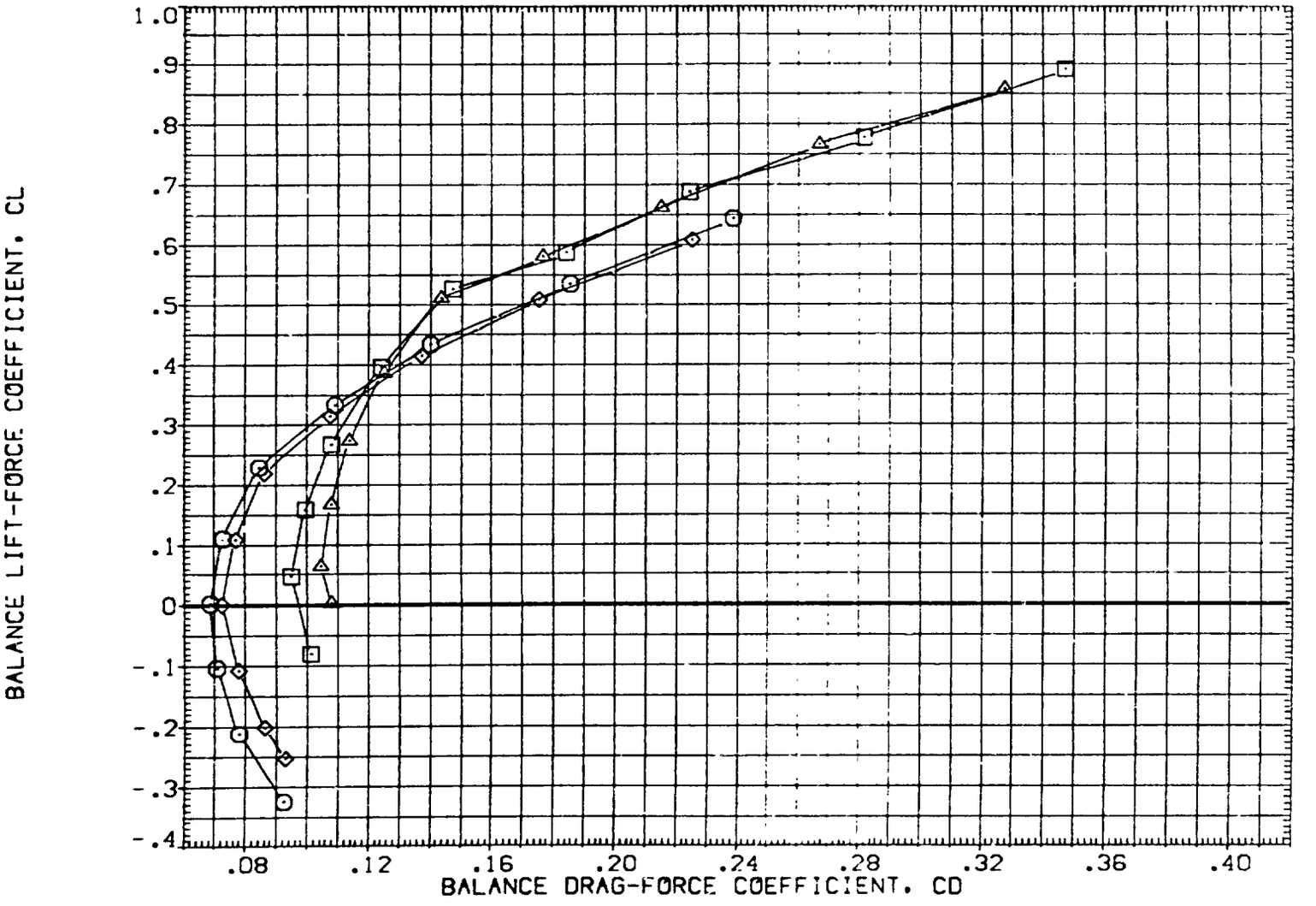


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(1ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

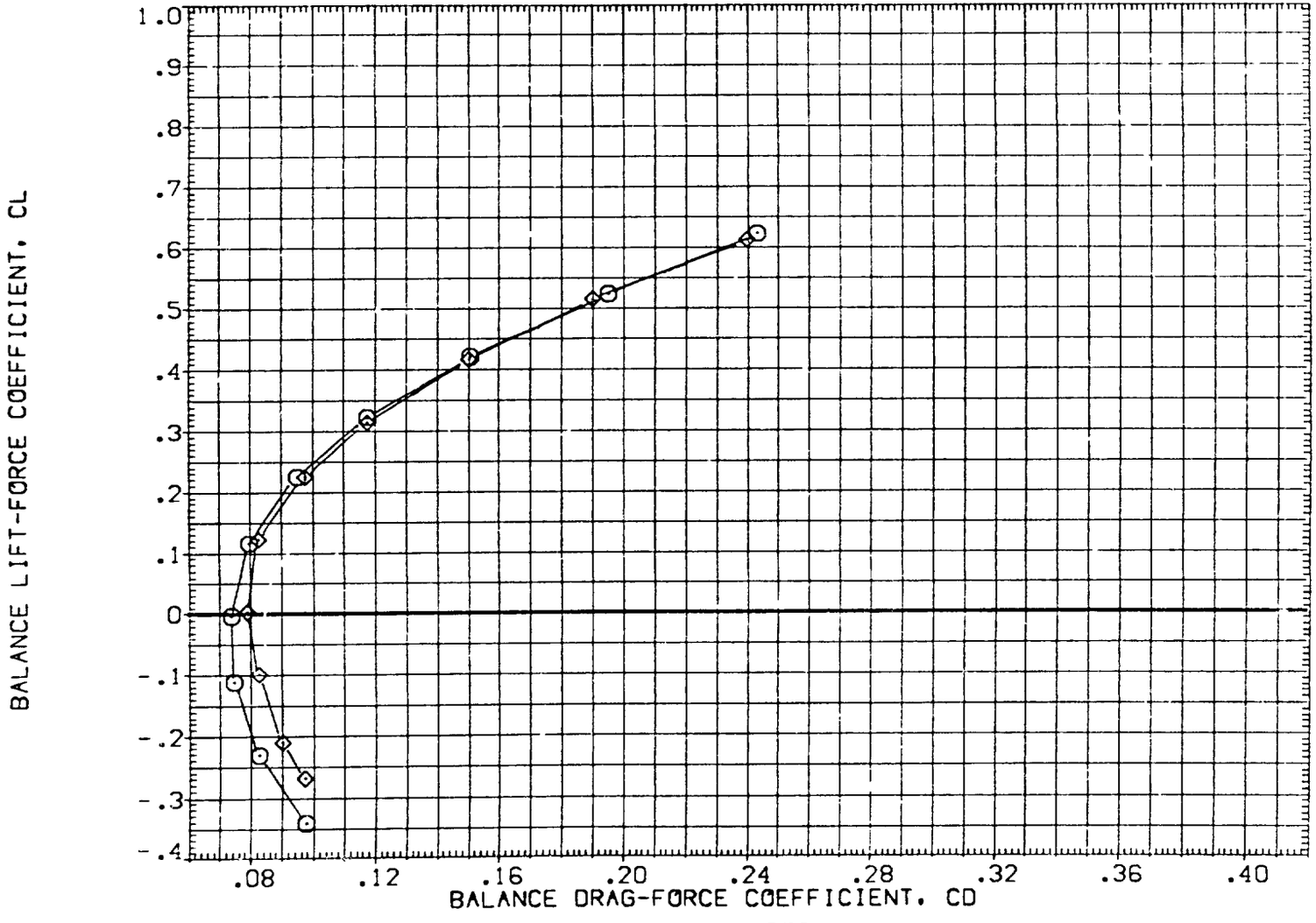


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO20)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

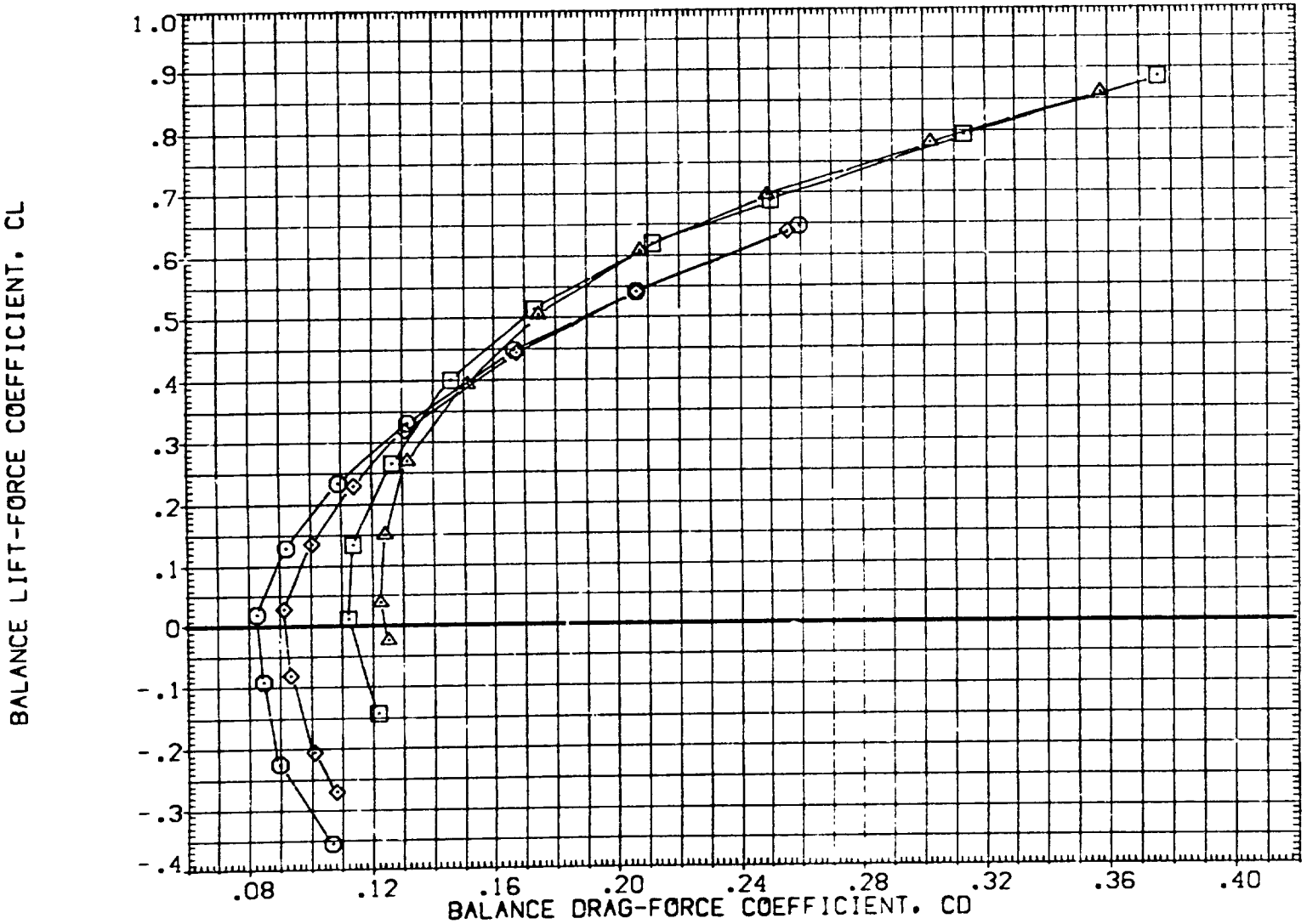


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

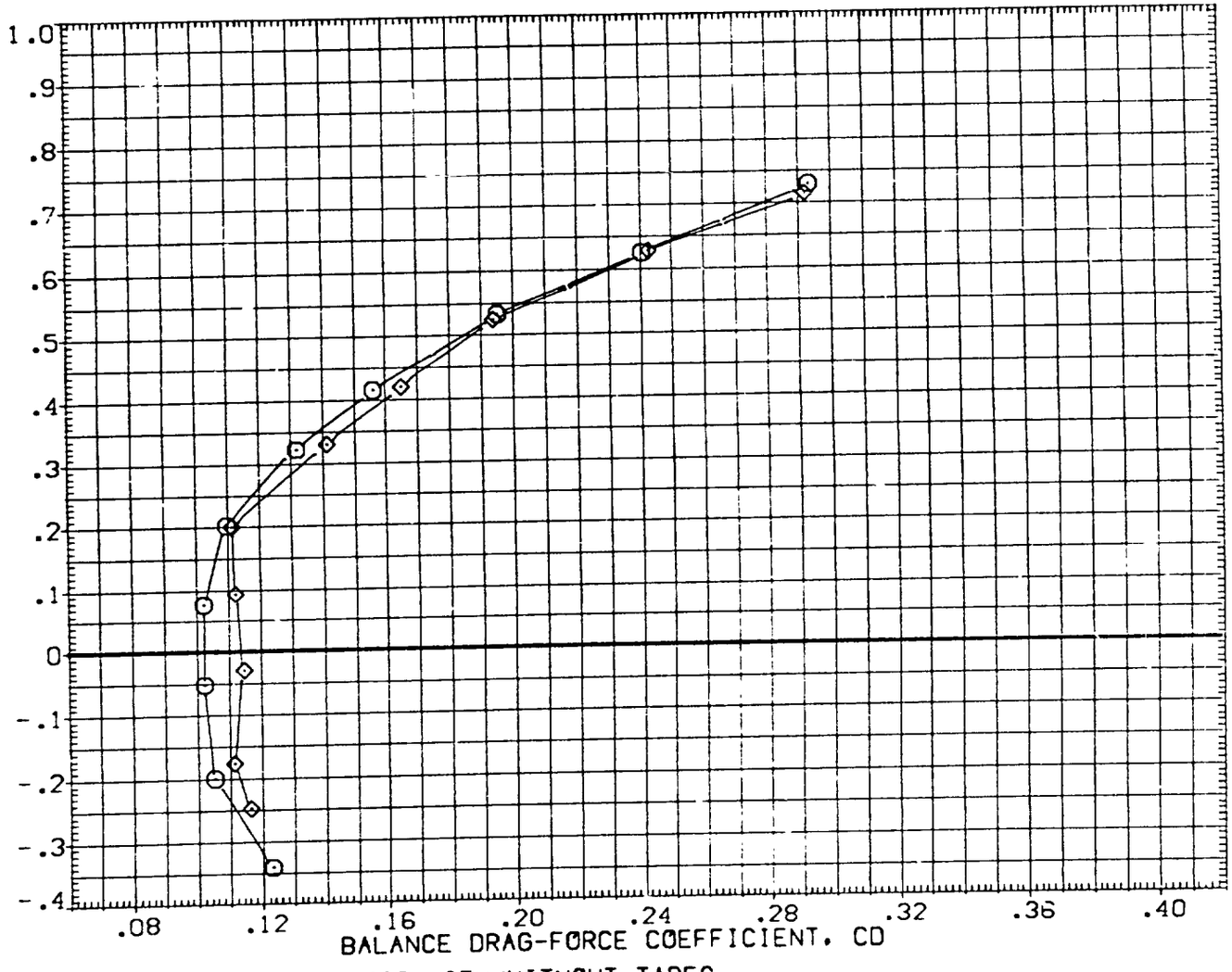


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR (ARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	2.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

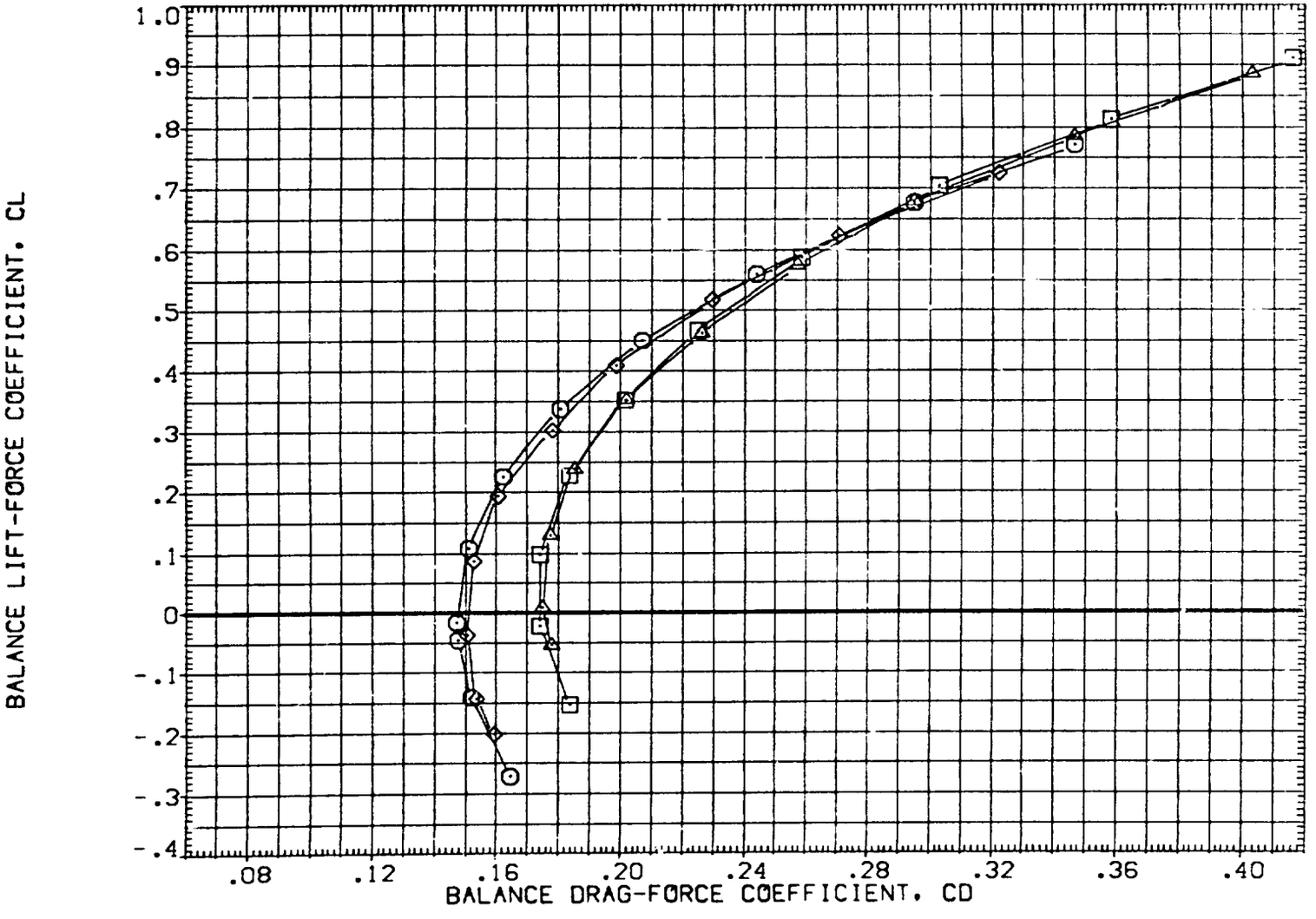


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IFR020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

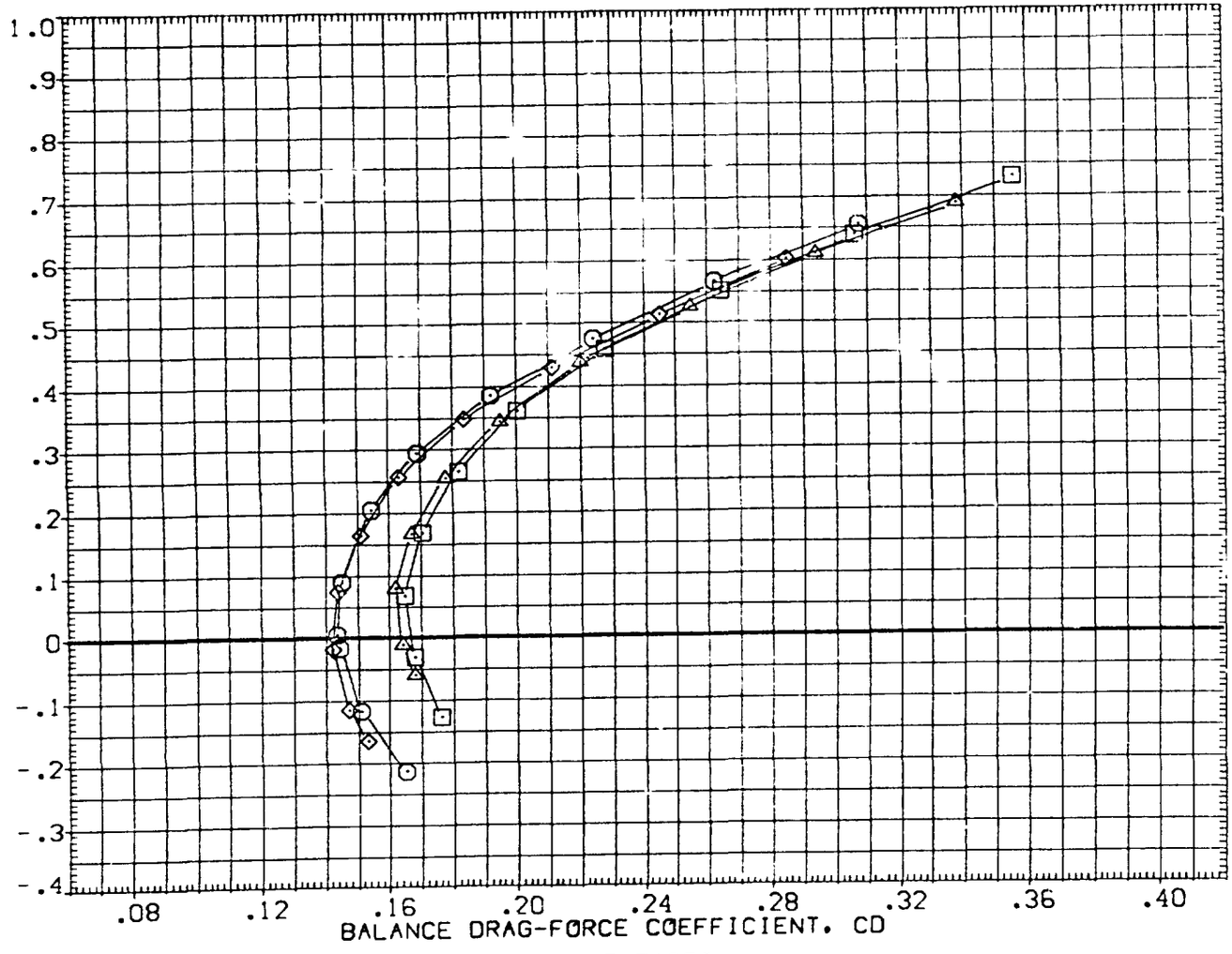


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(IER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

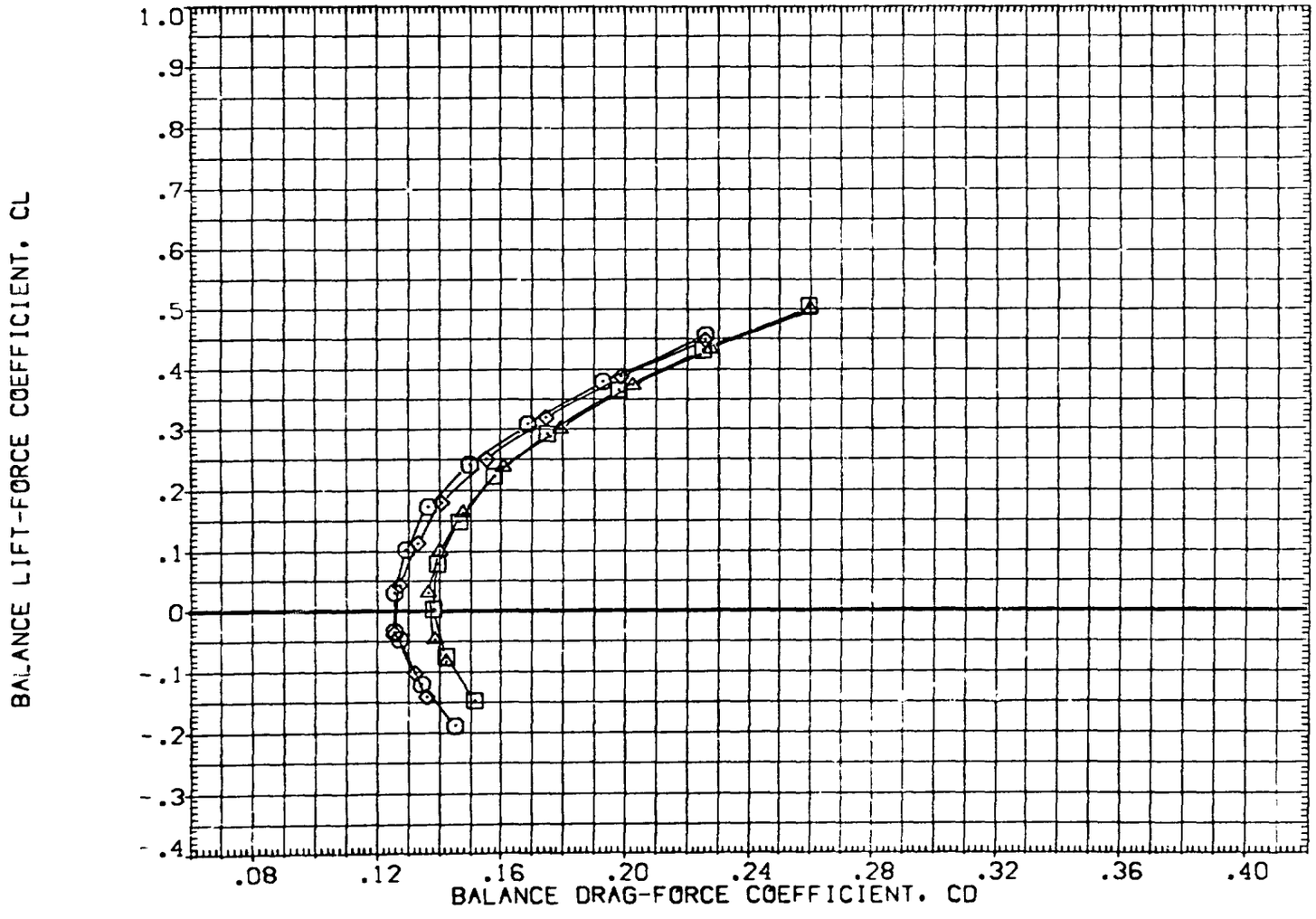


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5335	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

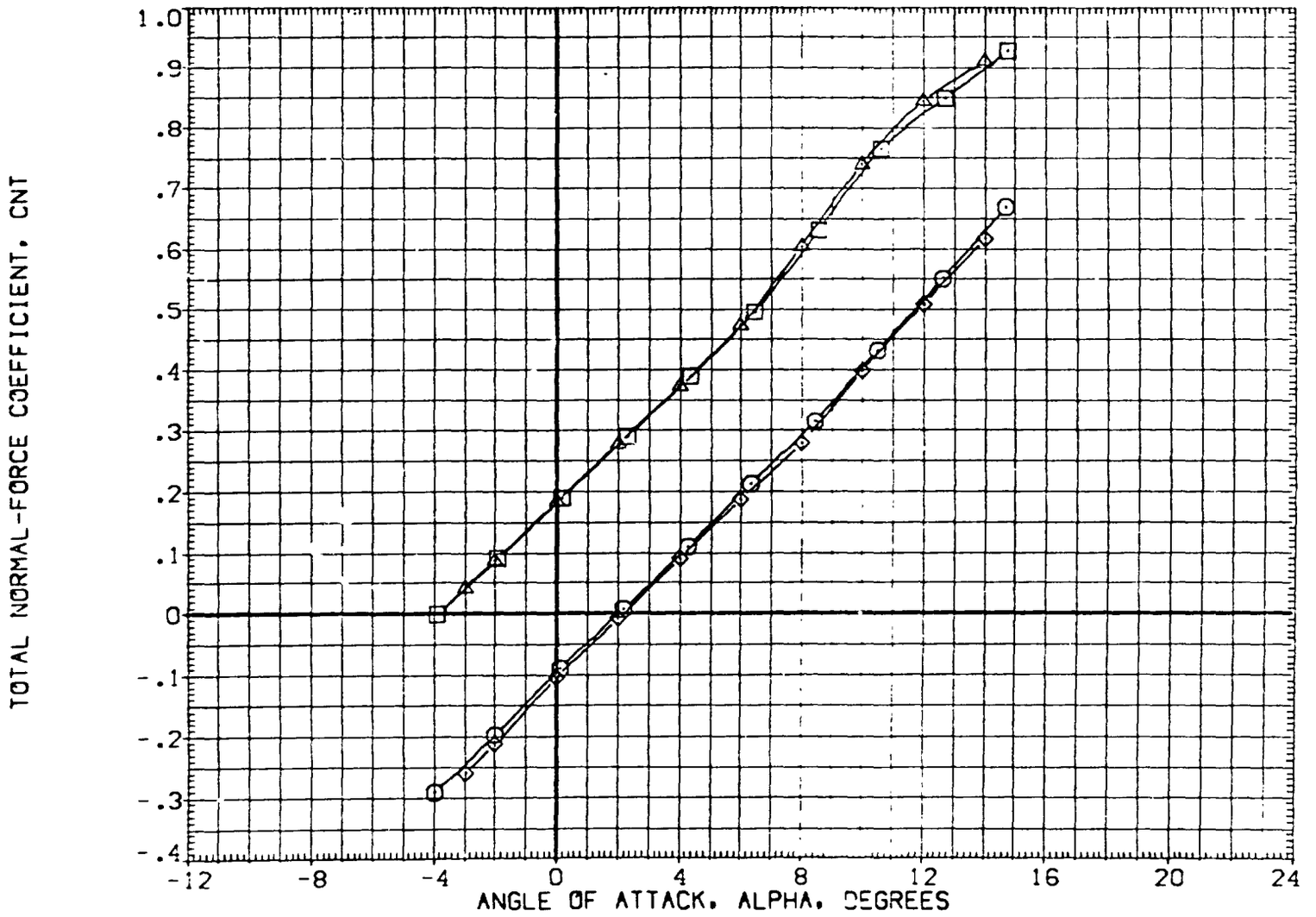


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

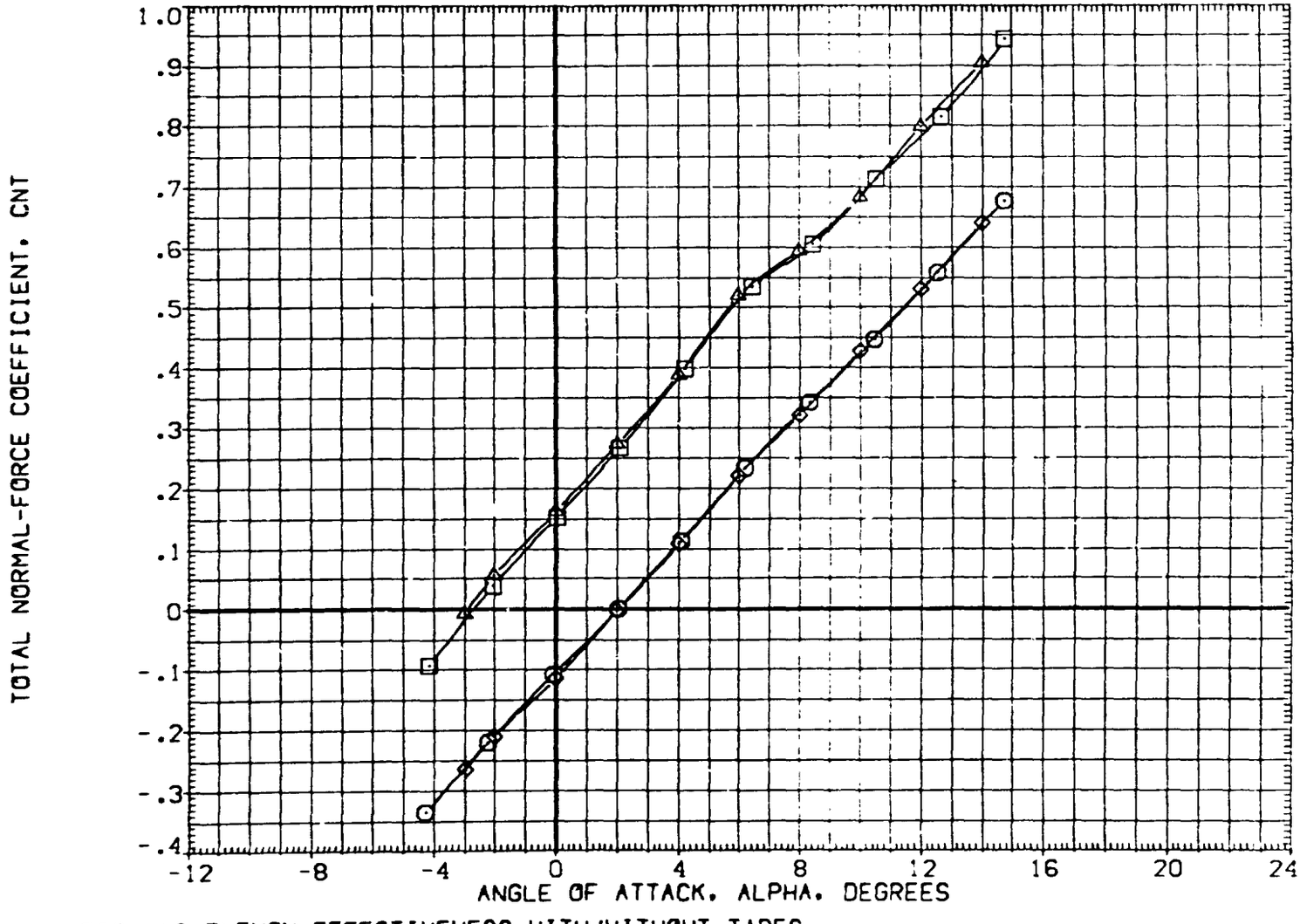


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GFR019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

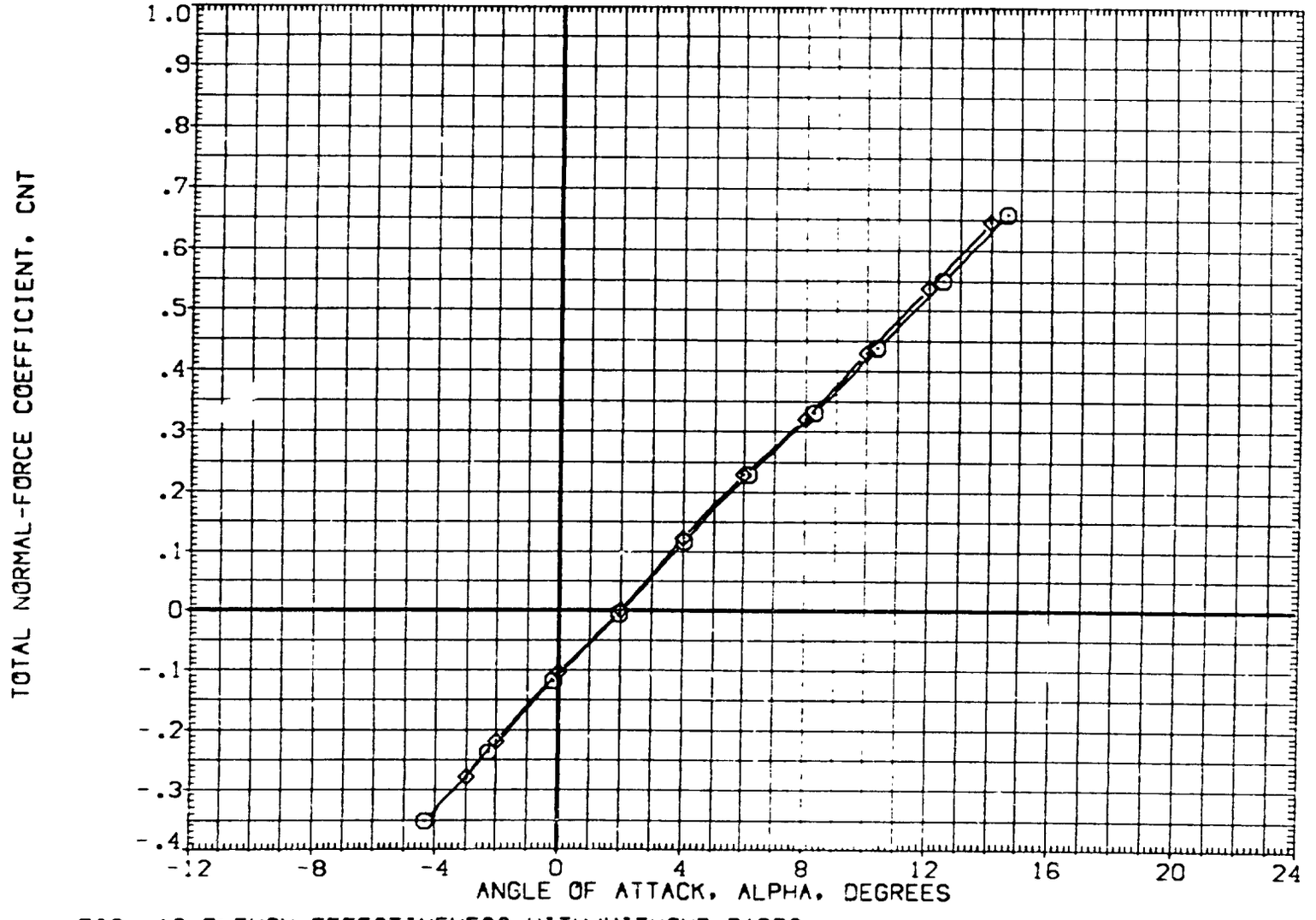


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

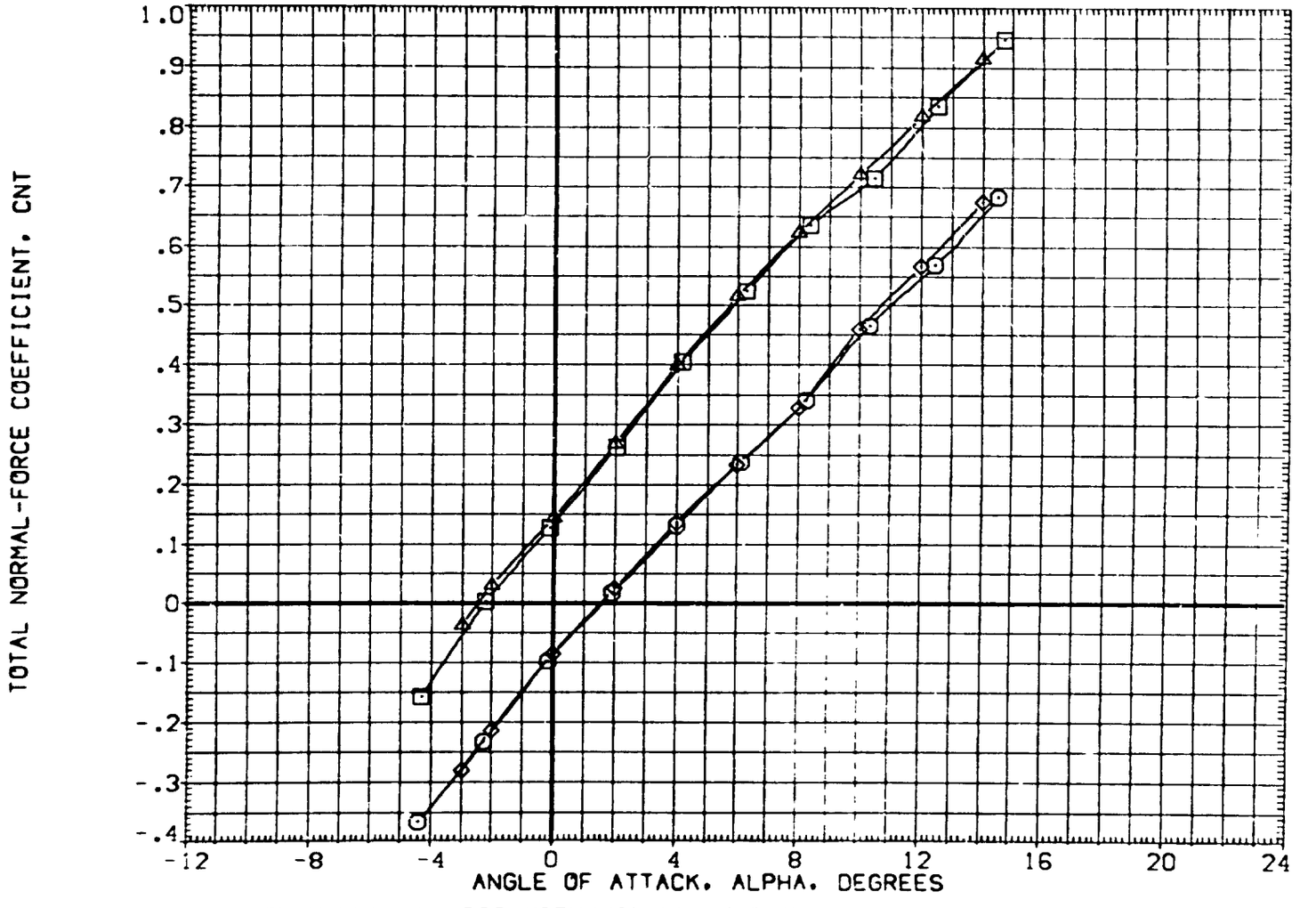


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6250	IN.
YMRP	.0000	IN.
ZMRP	.5750	IN.
SCALE	.0150	

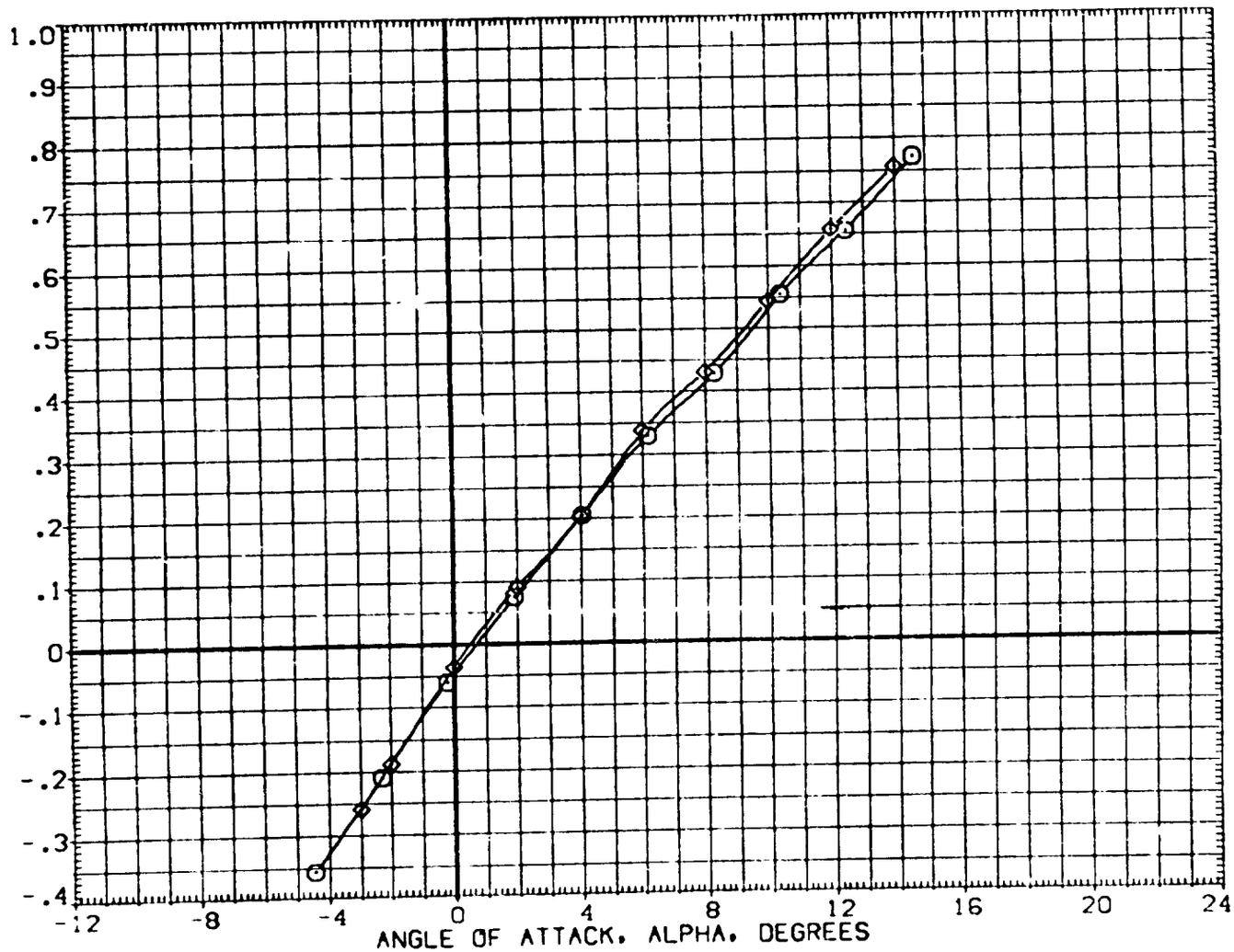


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	○	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

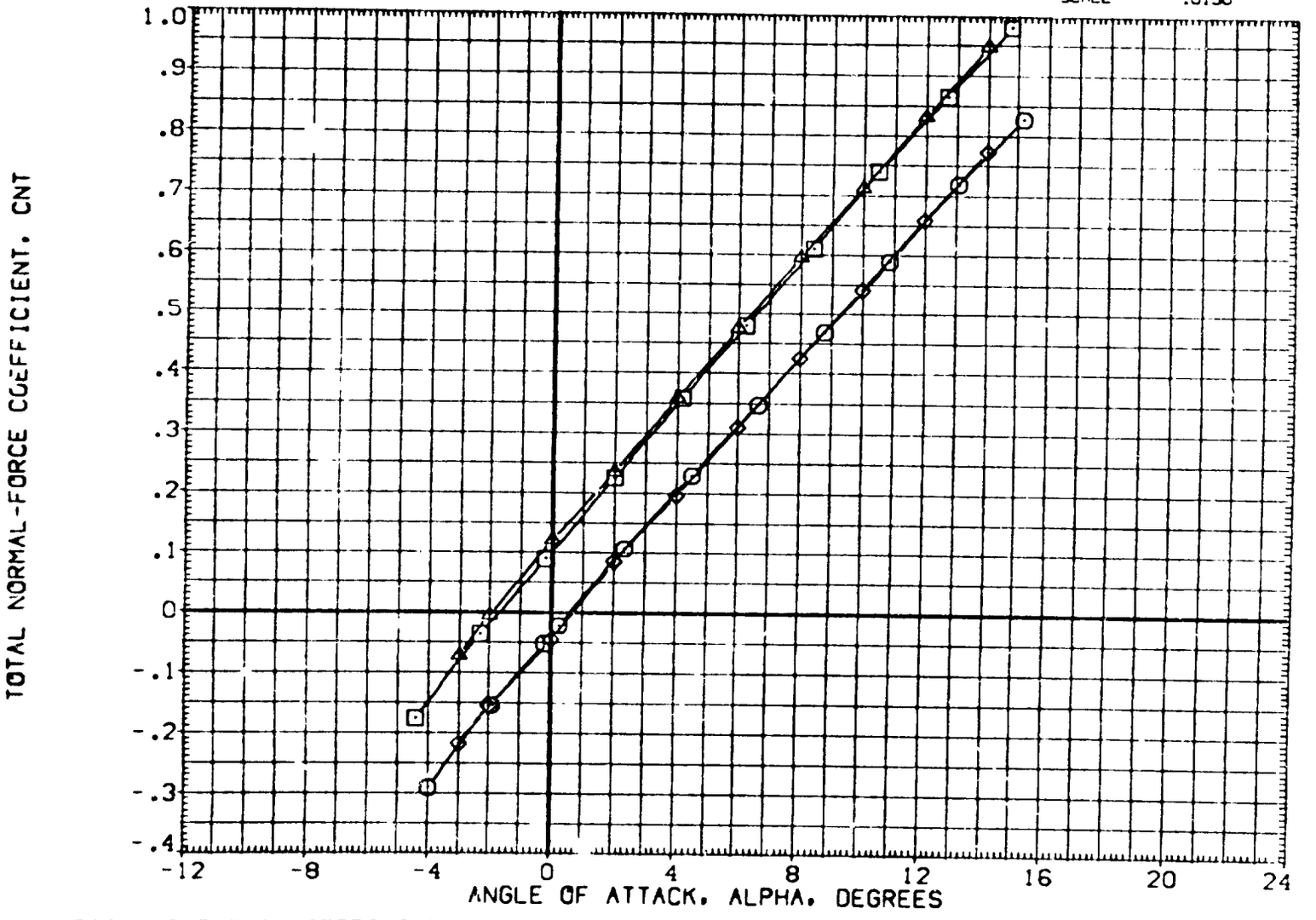


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 CA59 CA11A-(N24)	.000	.000	-11.700
(GER020)	◇	ARC 66-709 CA59 CA11A-(N24)	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 CA59 C11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 CA59 C11A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

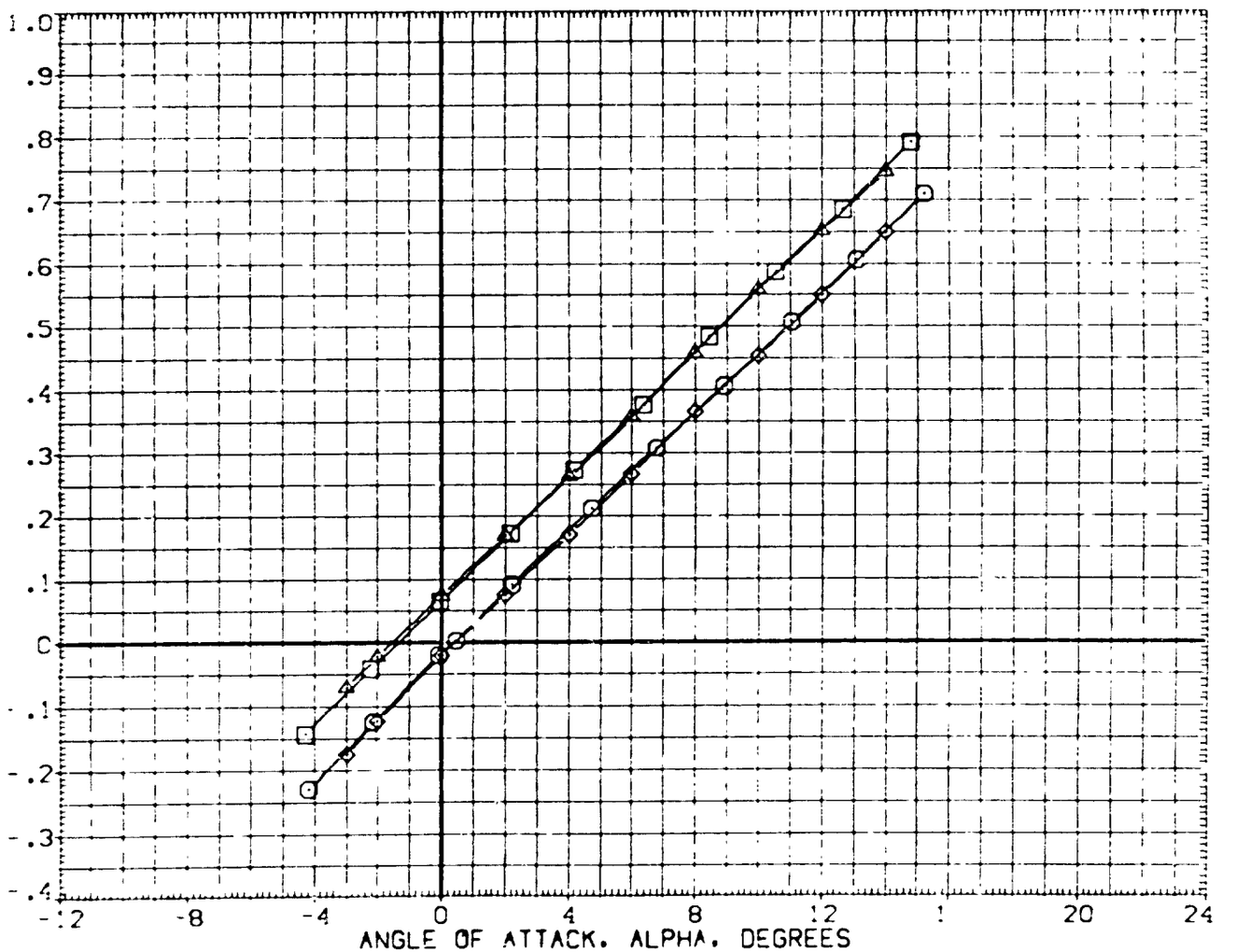


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

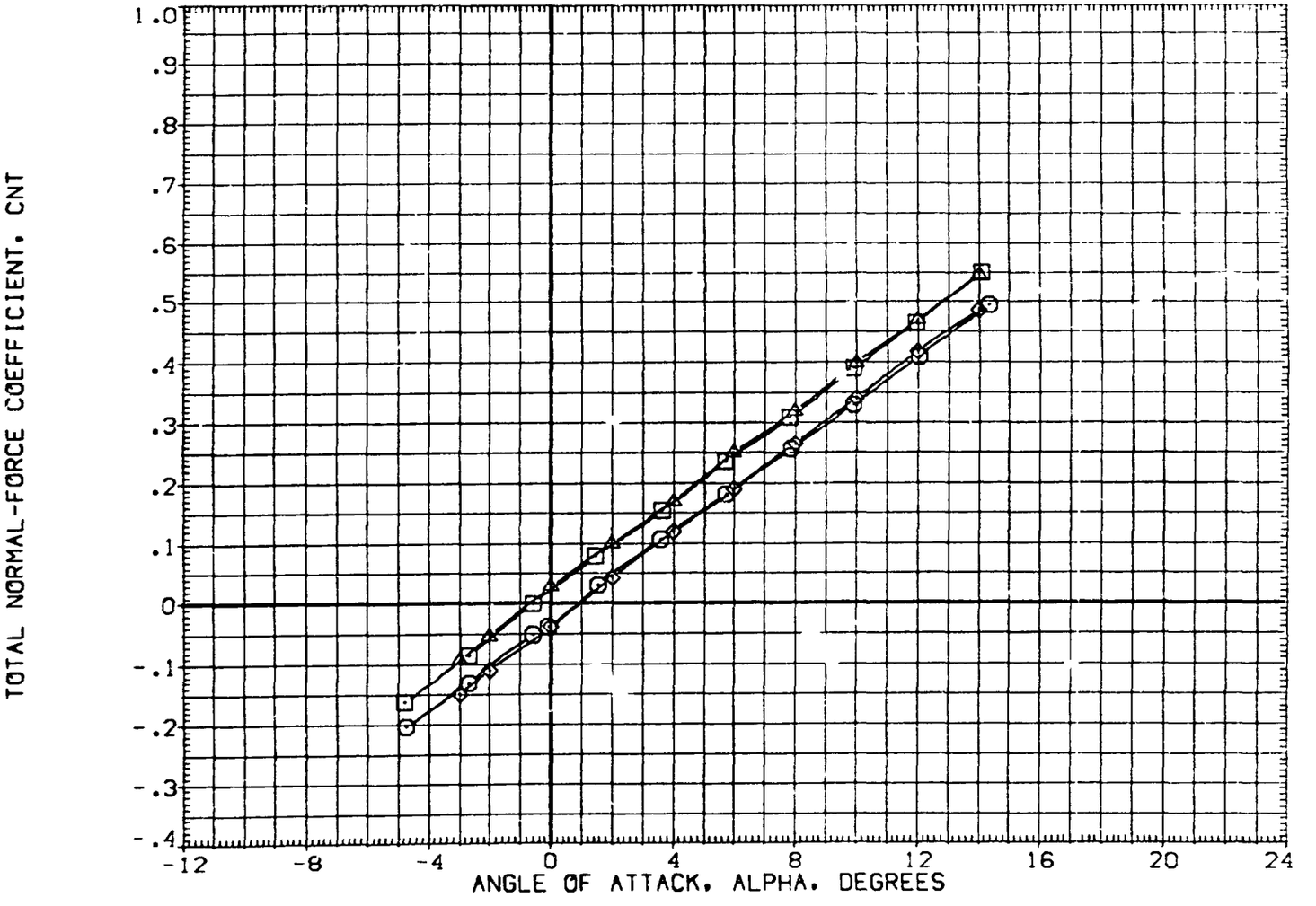


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

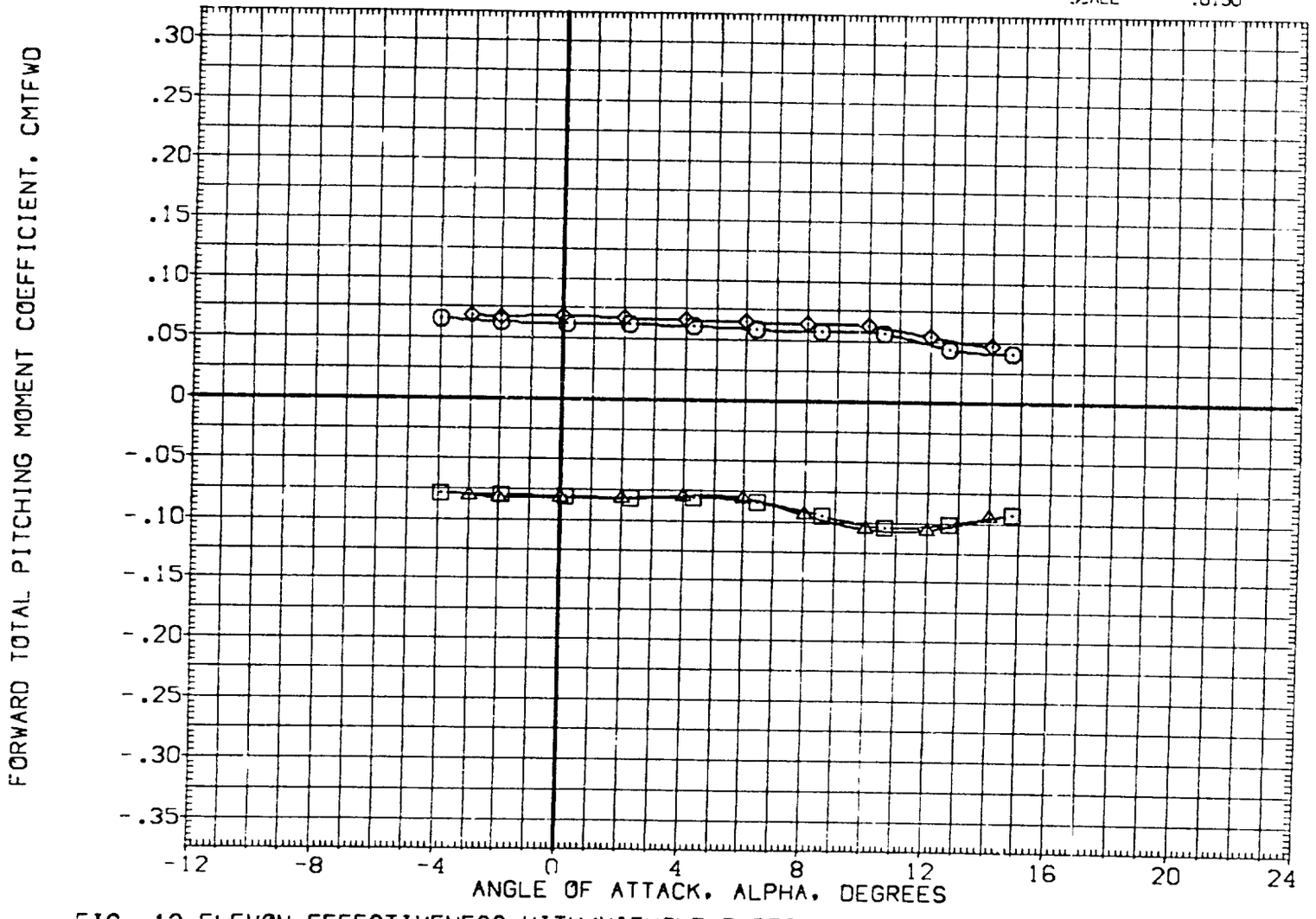


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

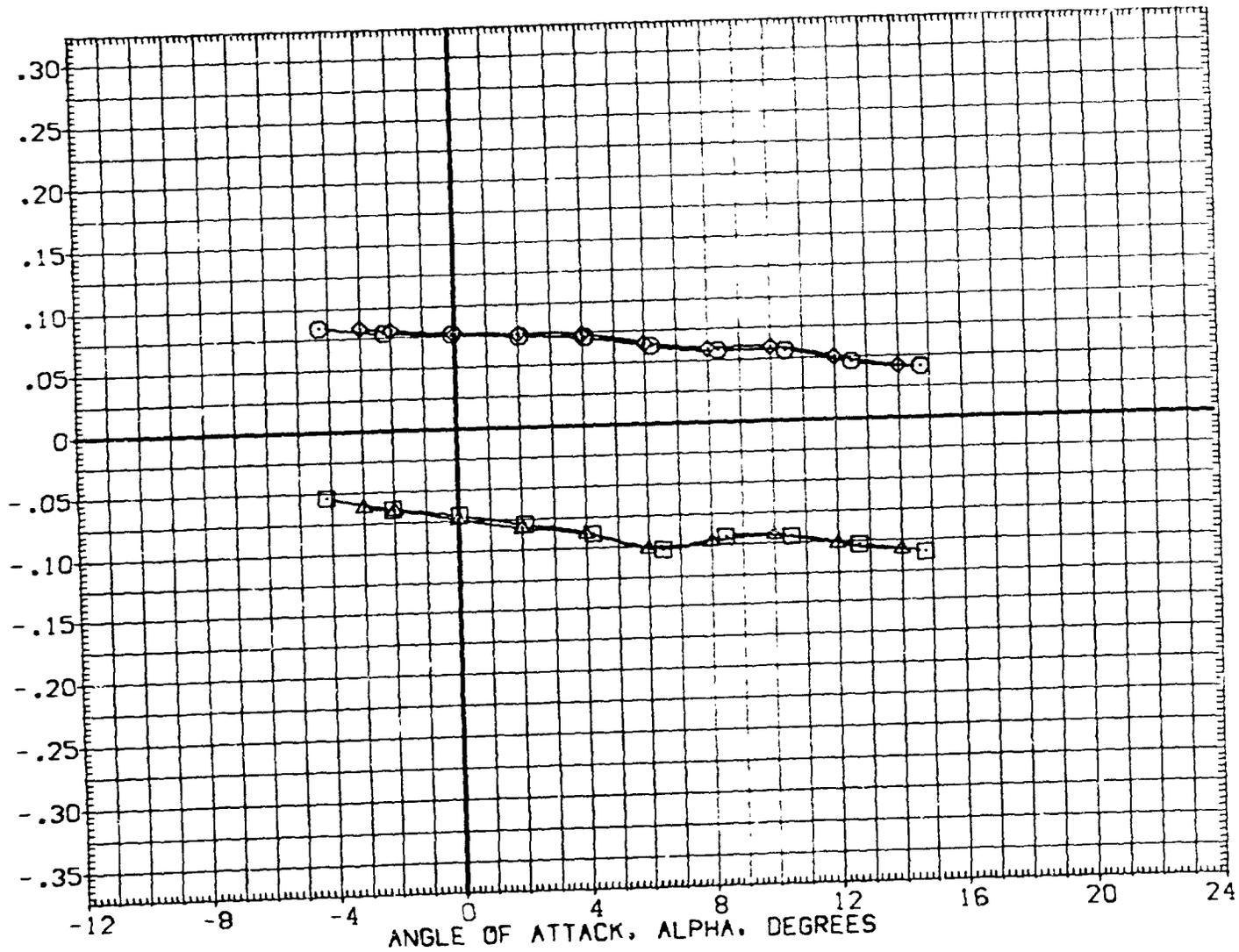


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	5.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	⧖	DATA NOT AVAILABLE	.000	5.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

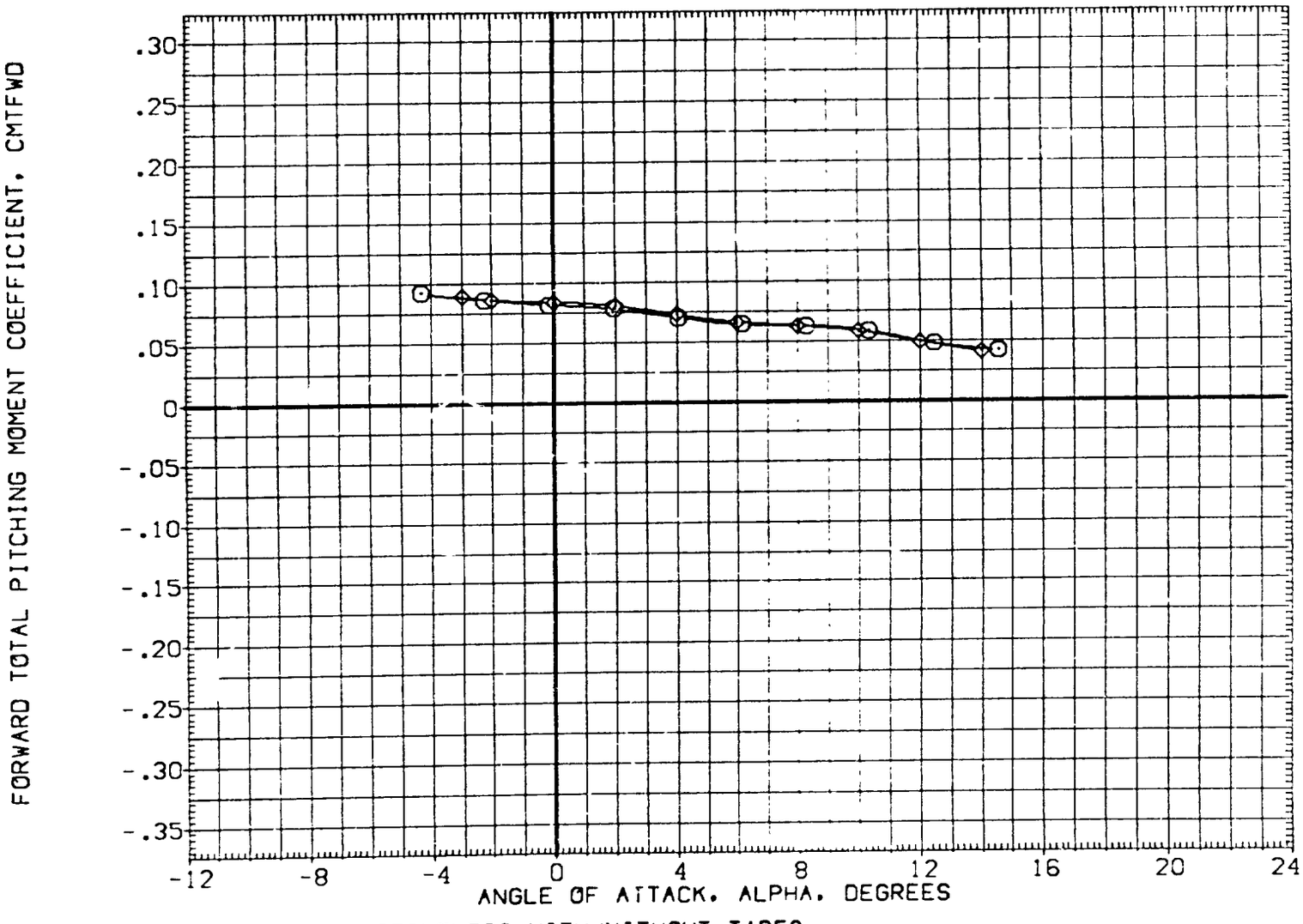


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A.9 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

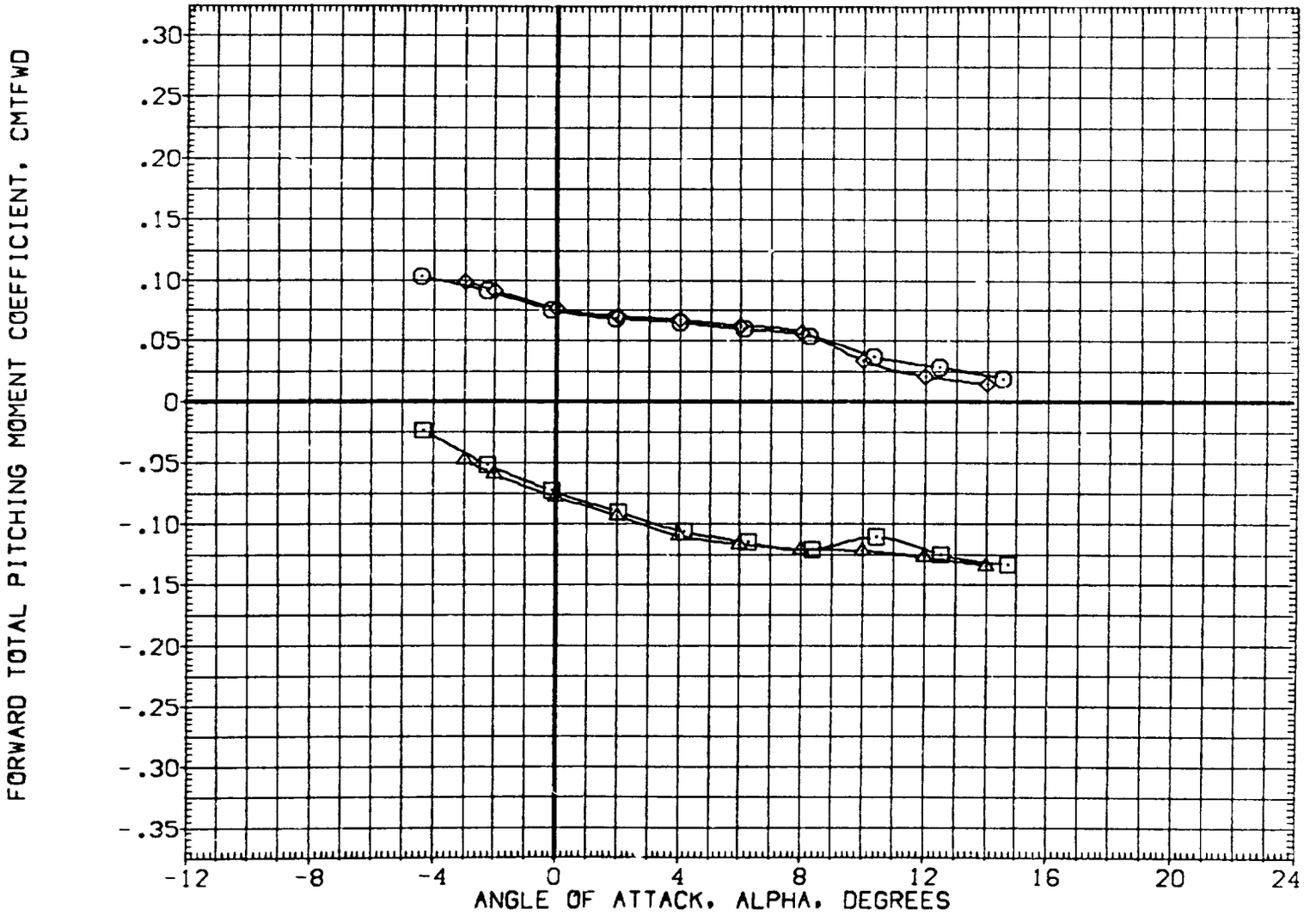


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

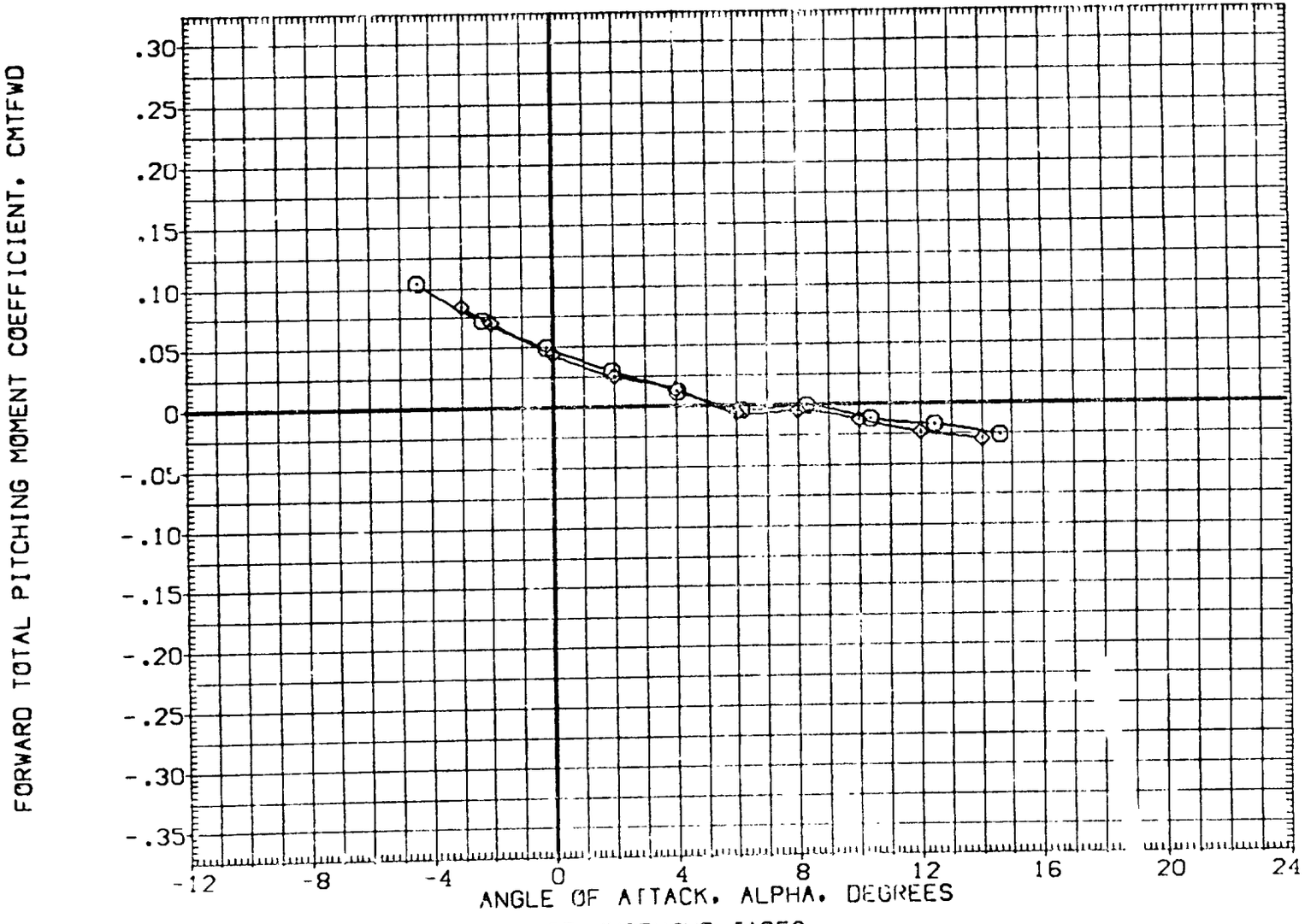


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019) ○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020) □	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019) ◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020) △	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

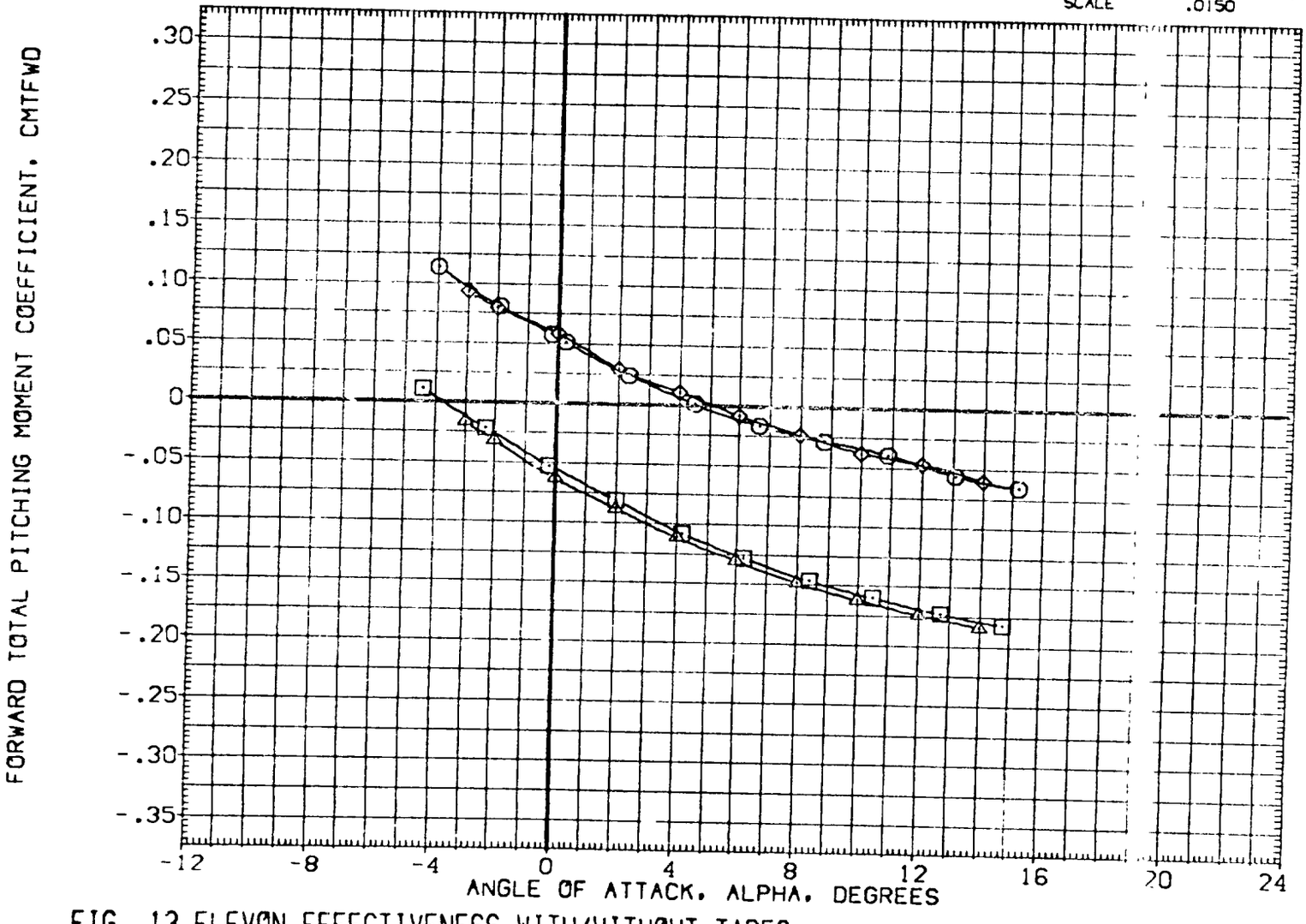


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

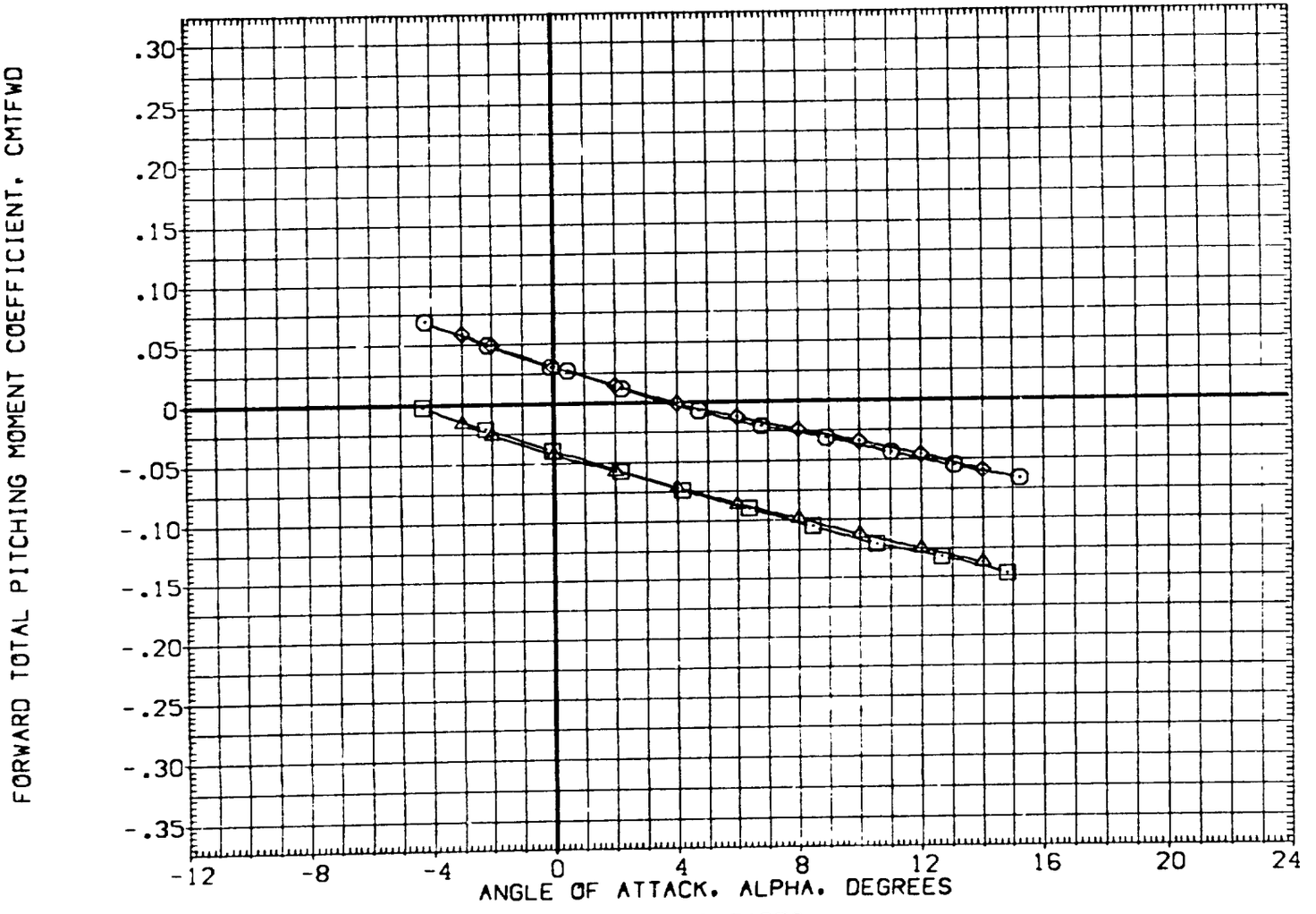


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

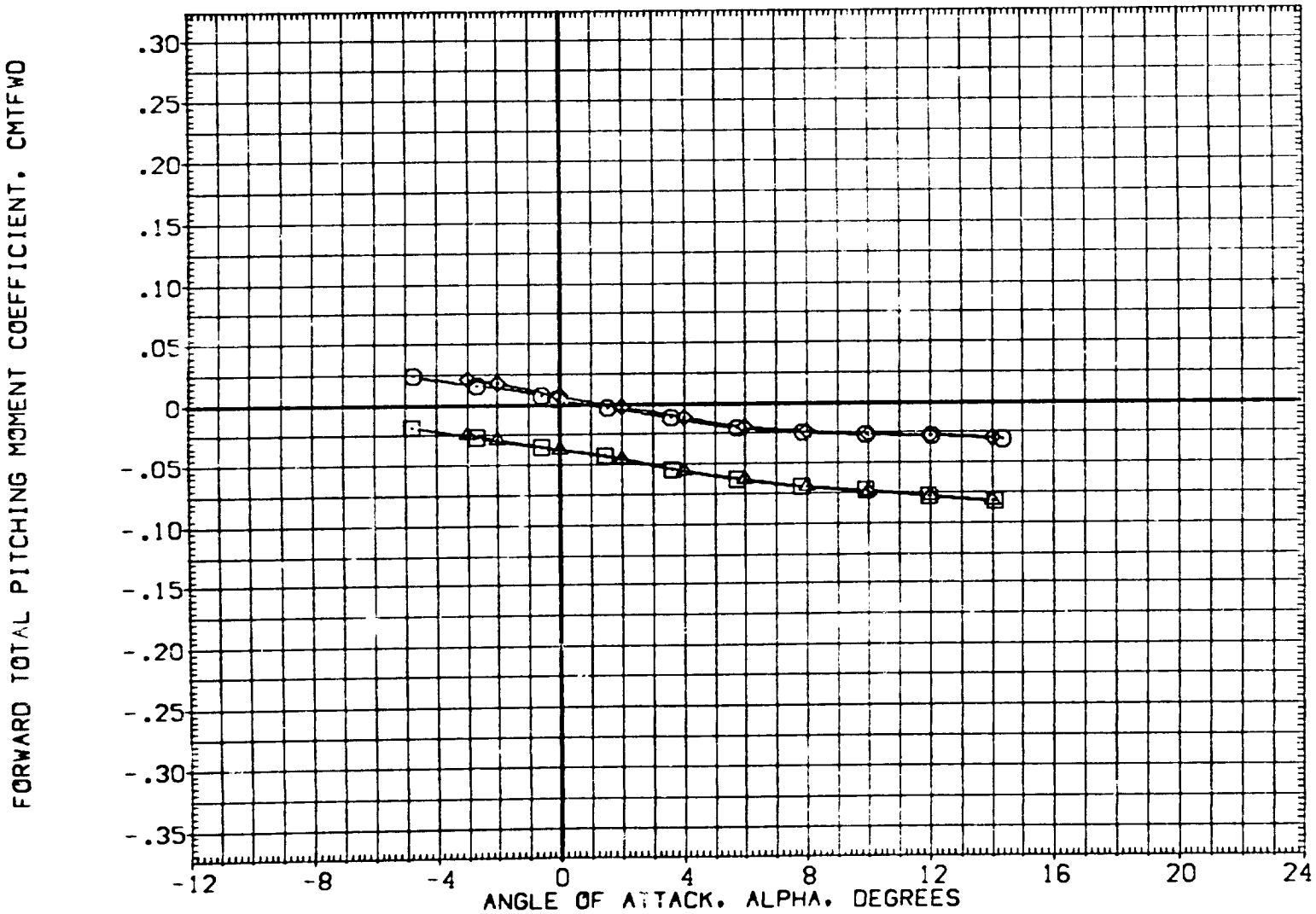


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GERO19)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERO19)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

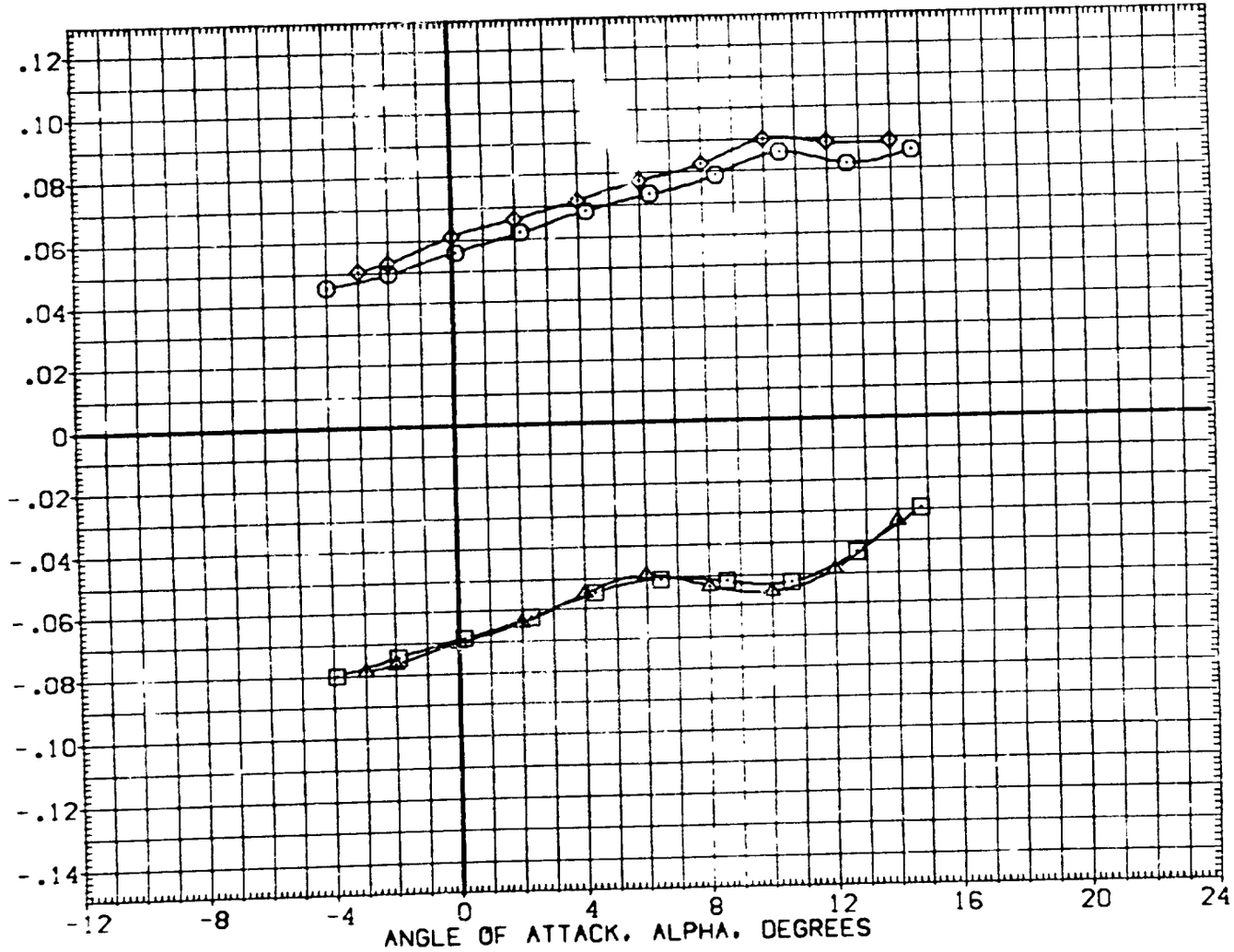


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

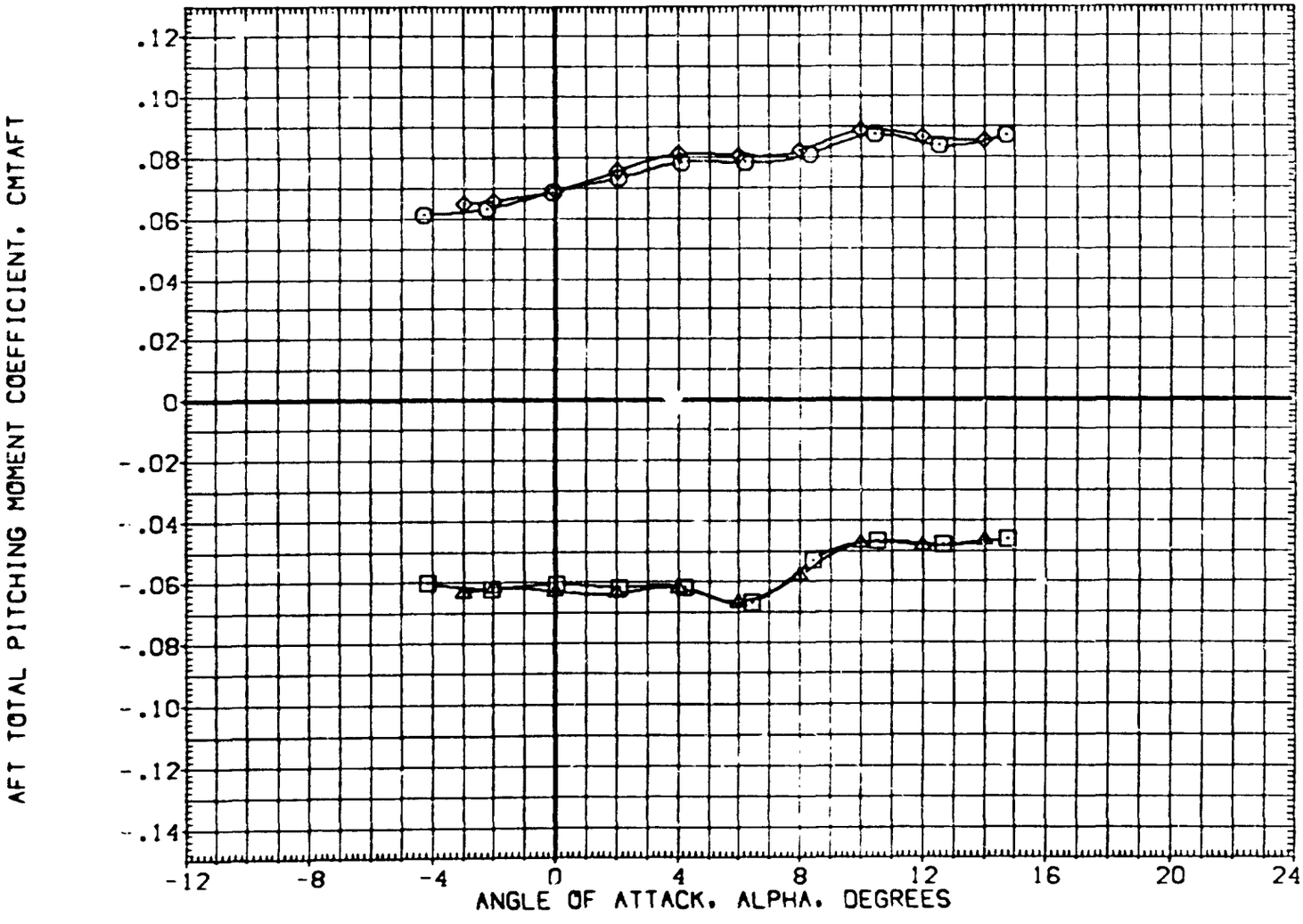


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

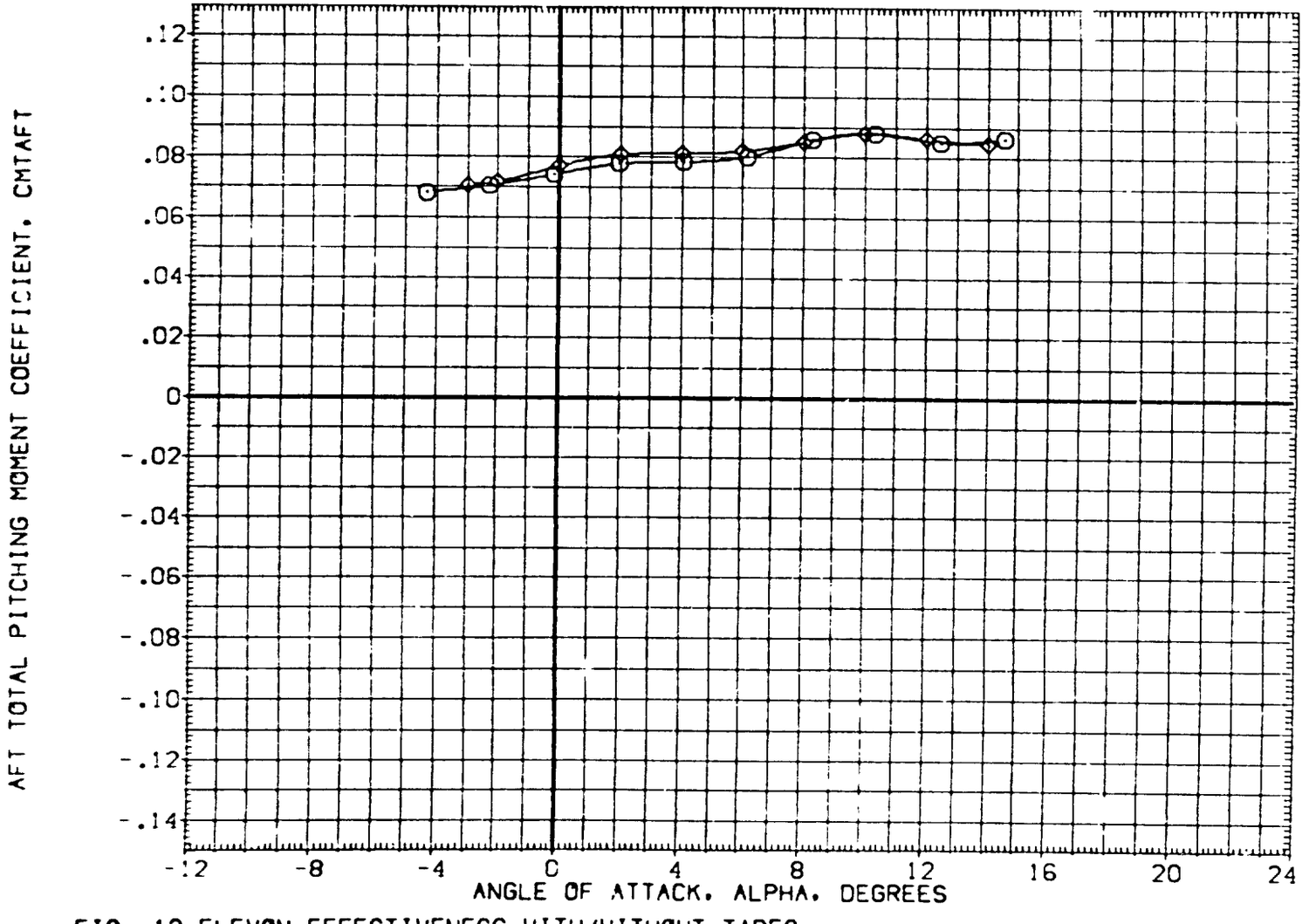


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(JER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(JER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

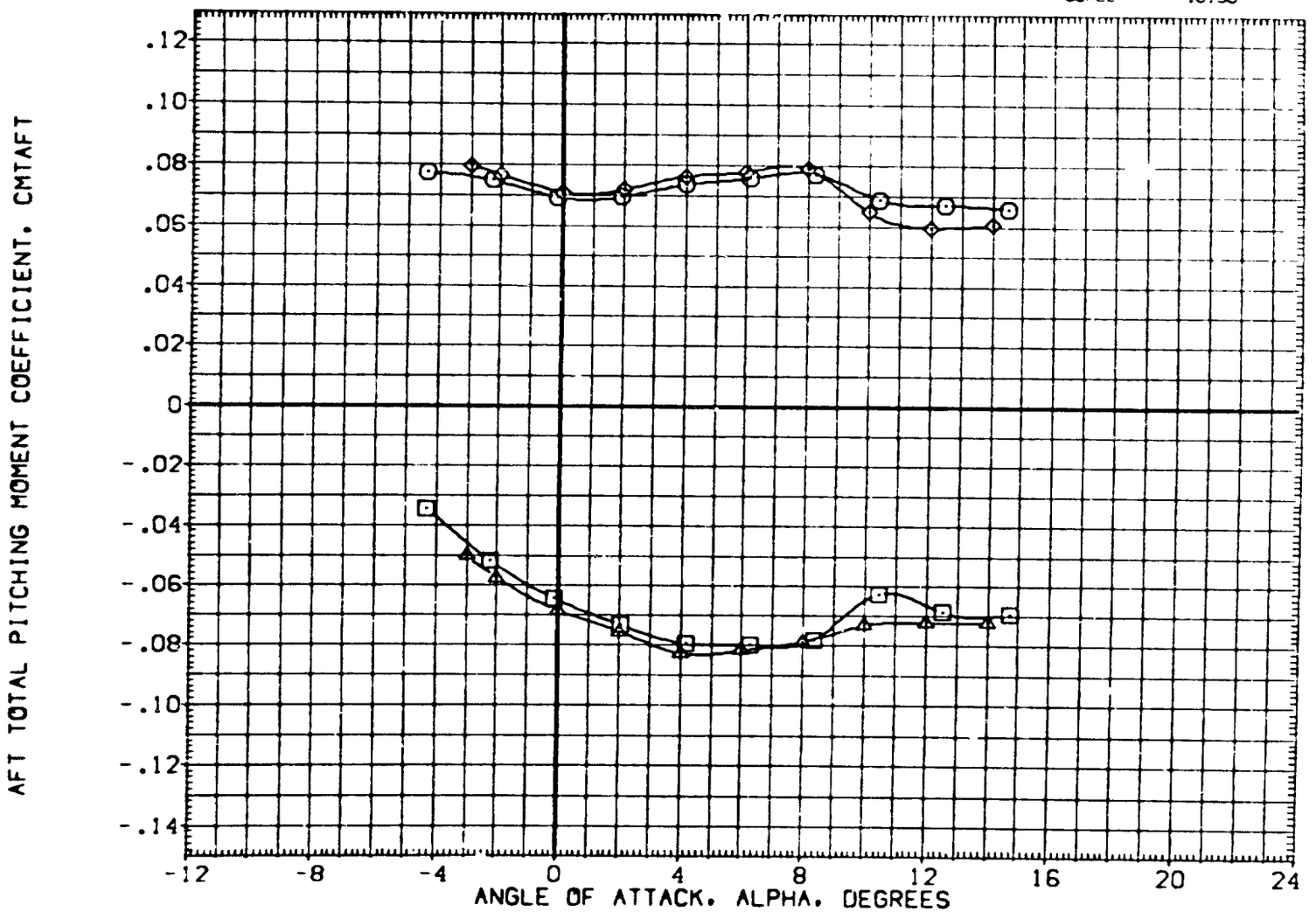


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)		DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

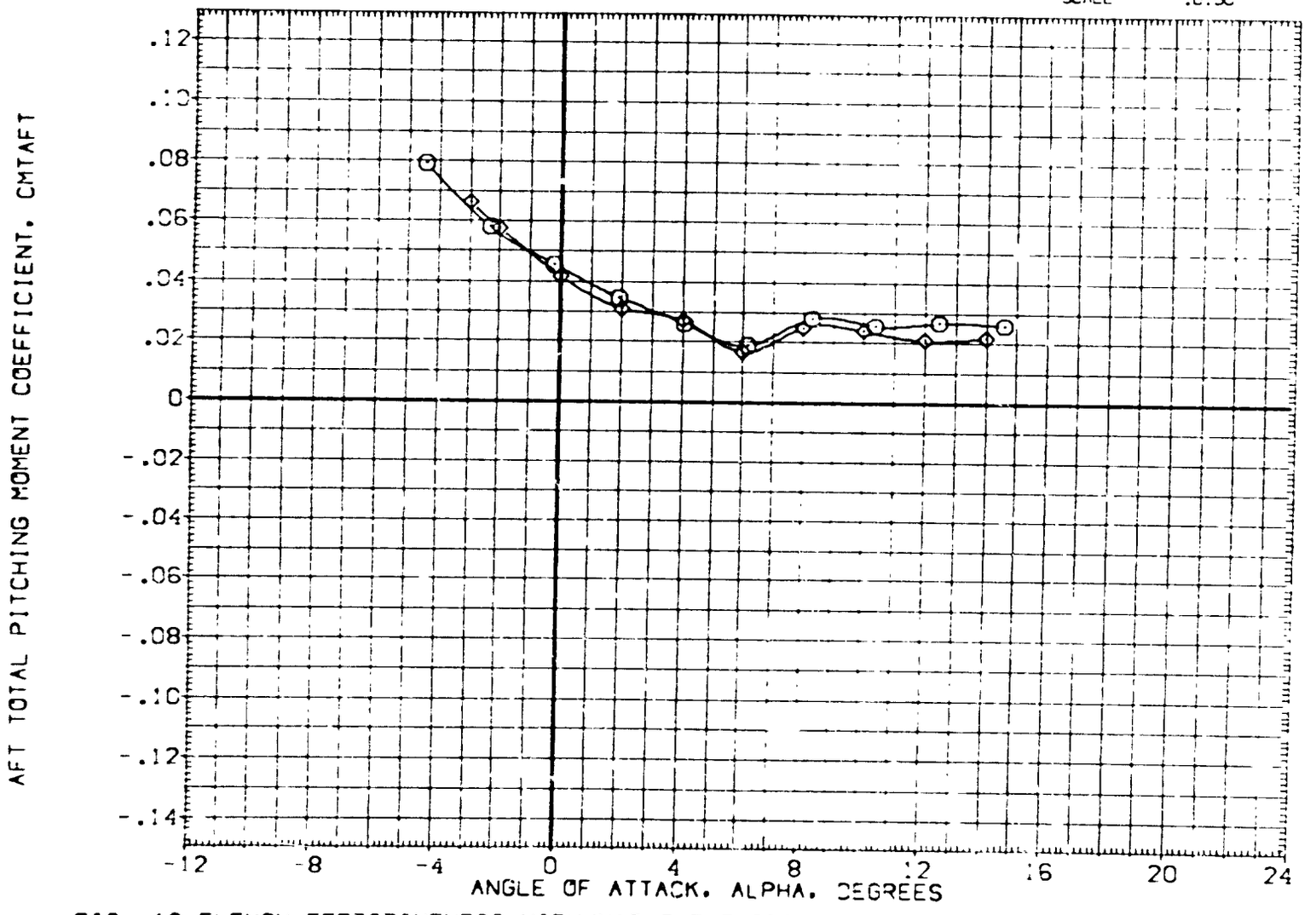
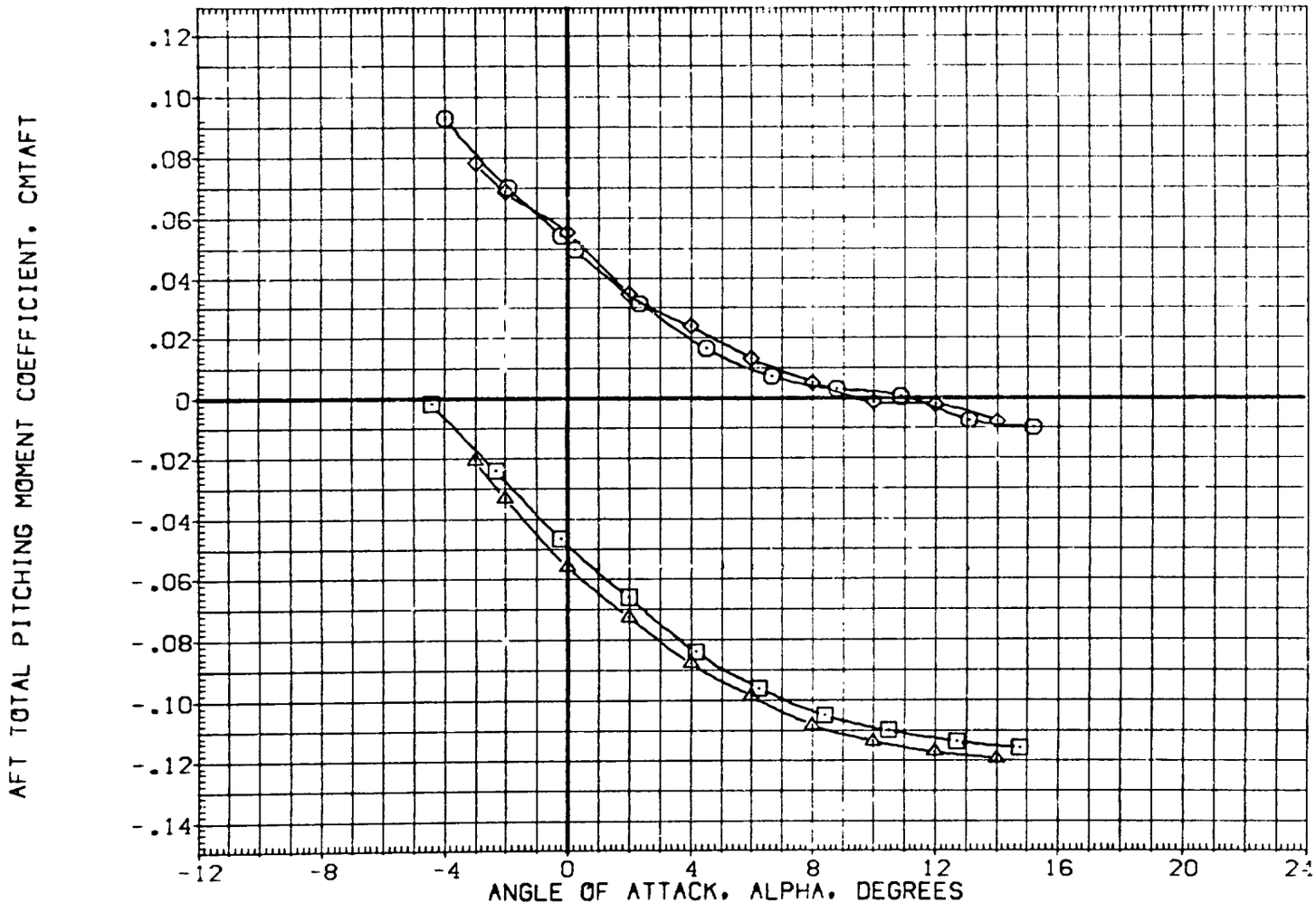


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	



(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5535	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

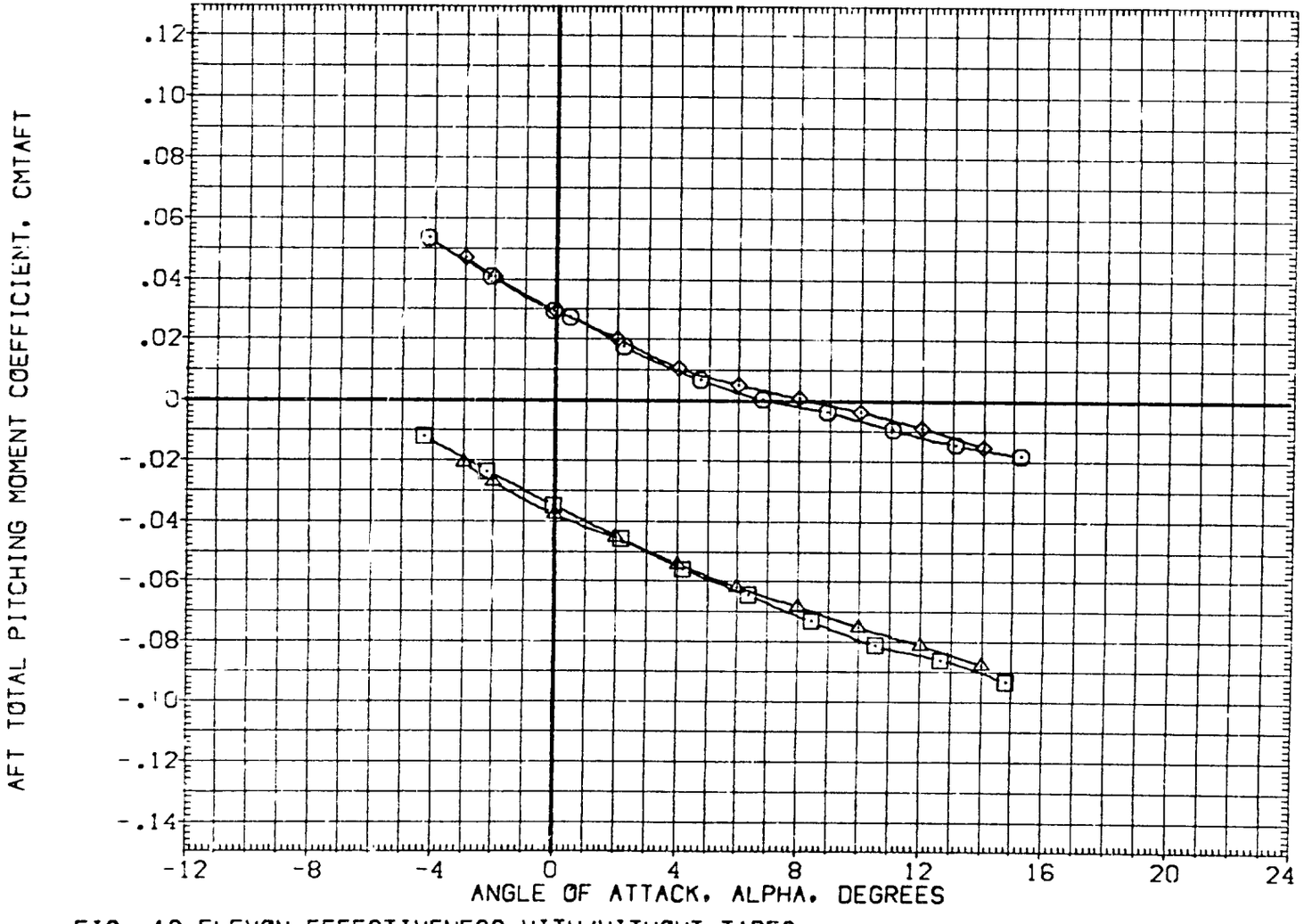


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

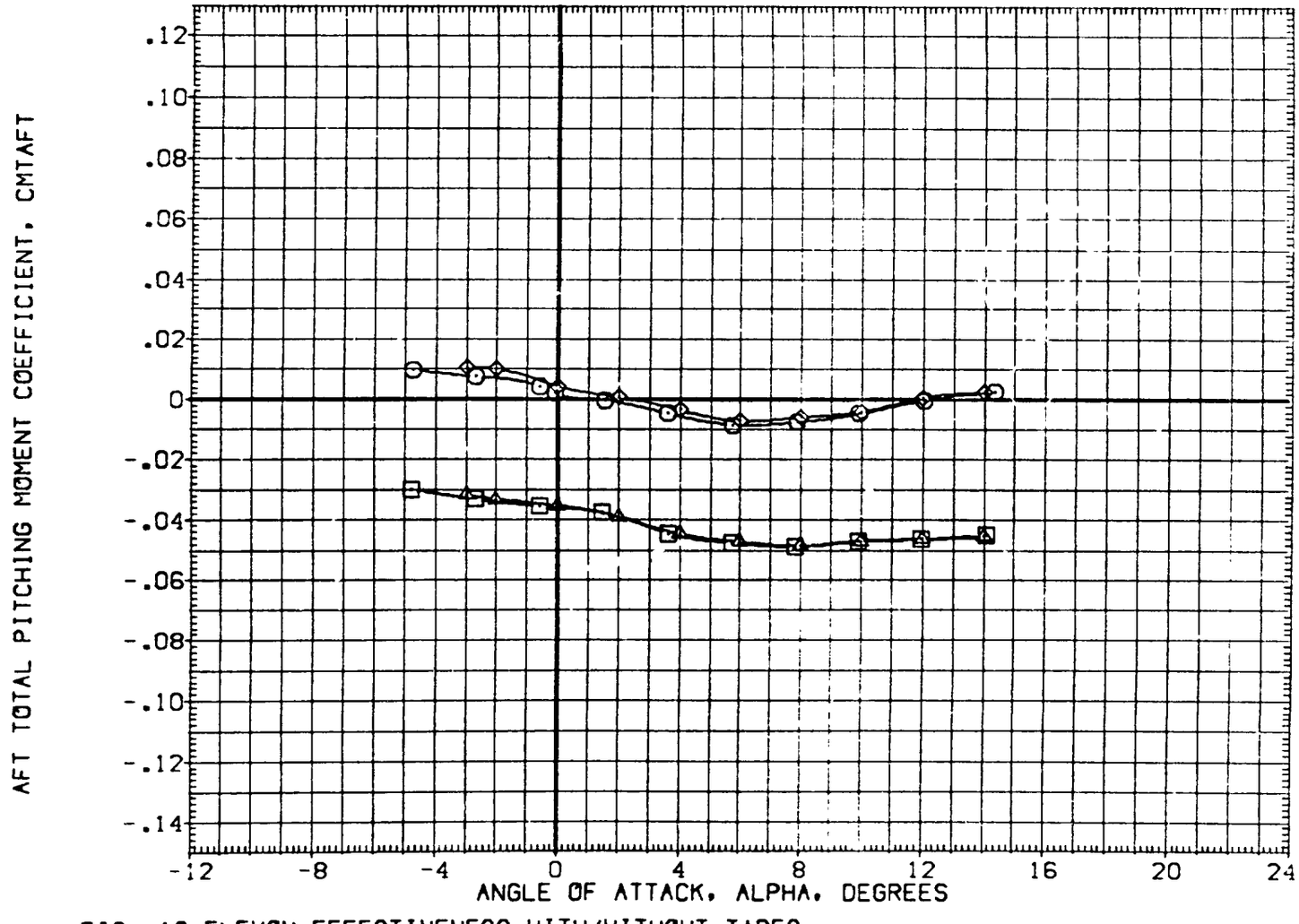


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

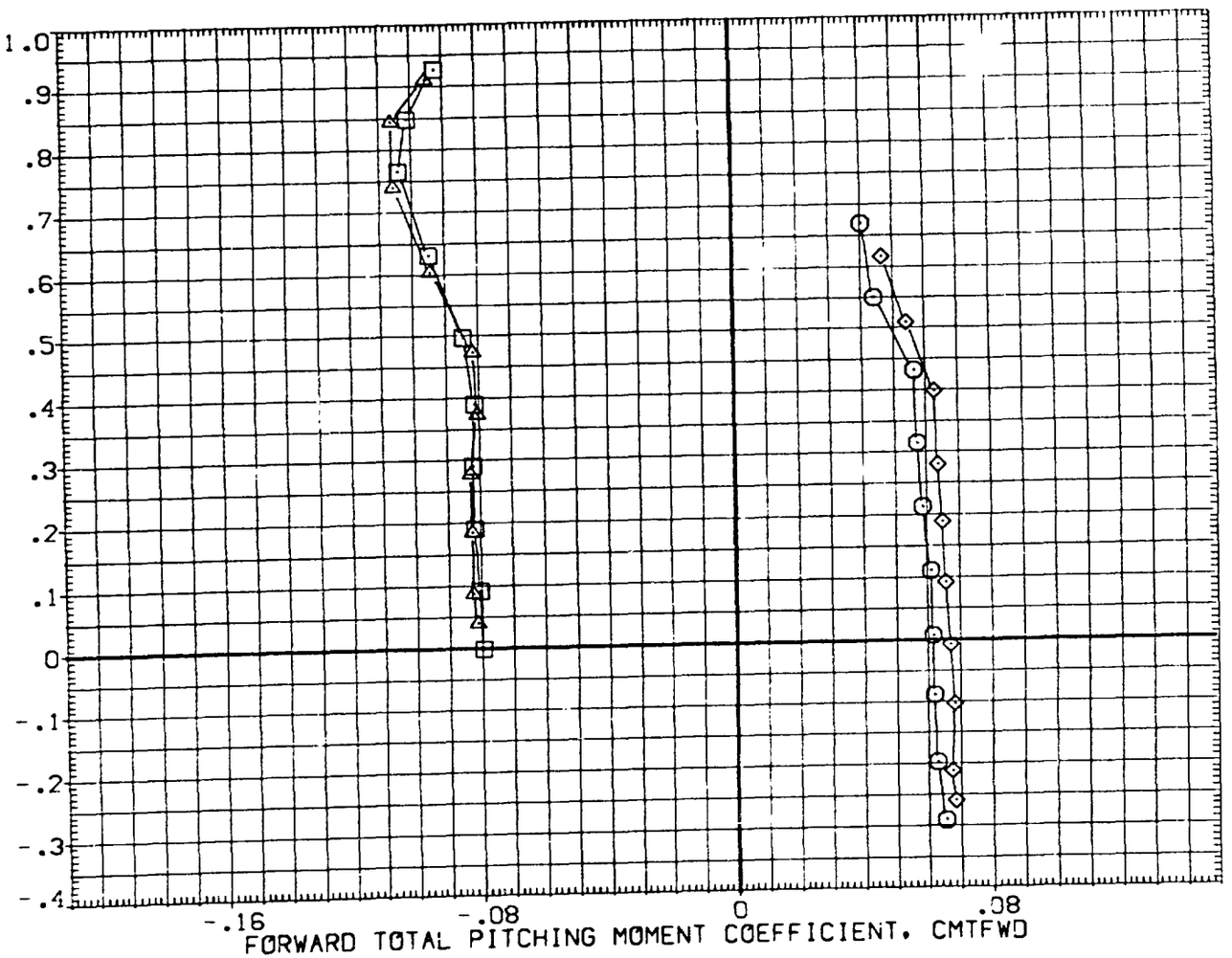


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

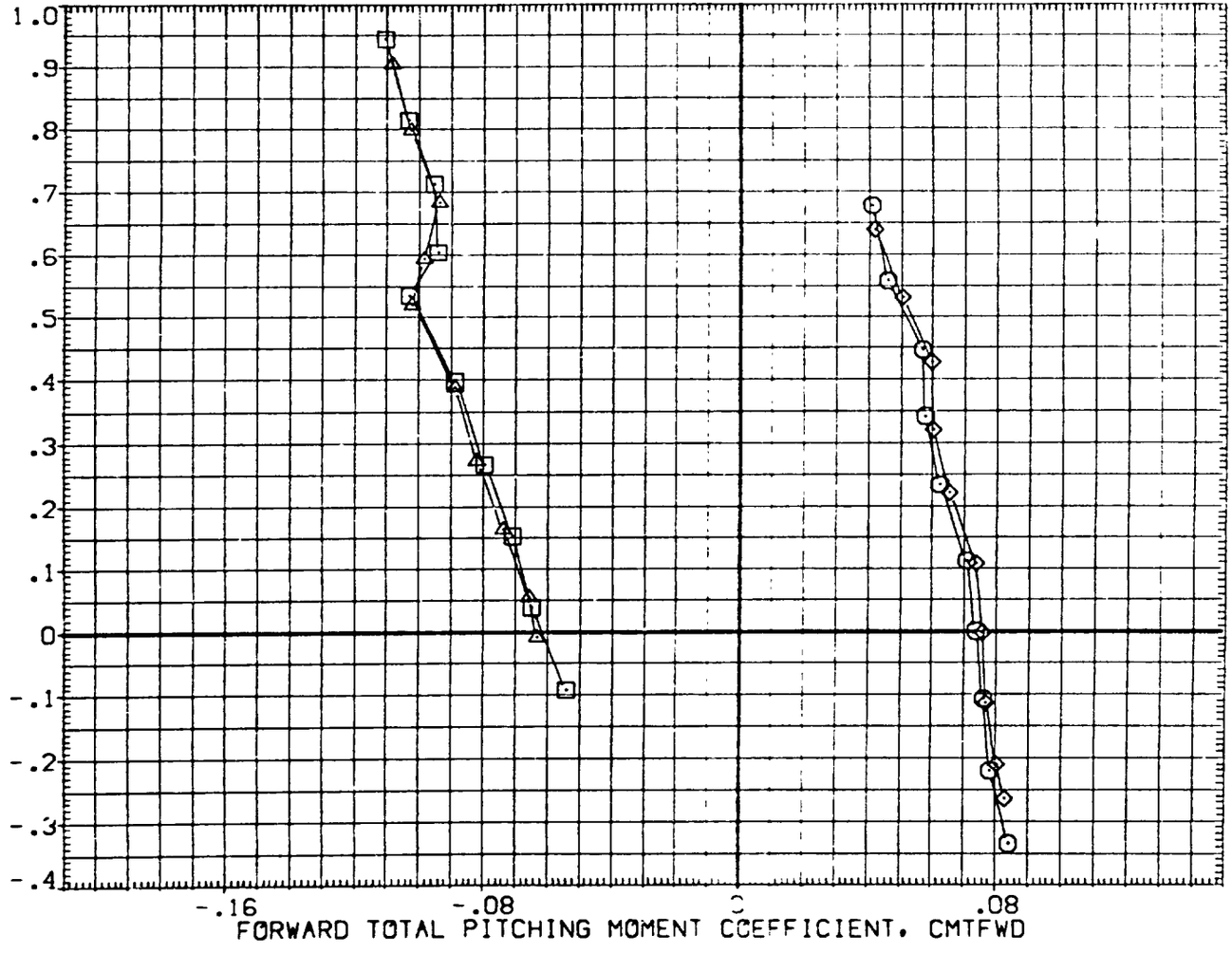


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

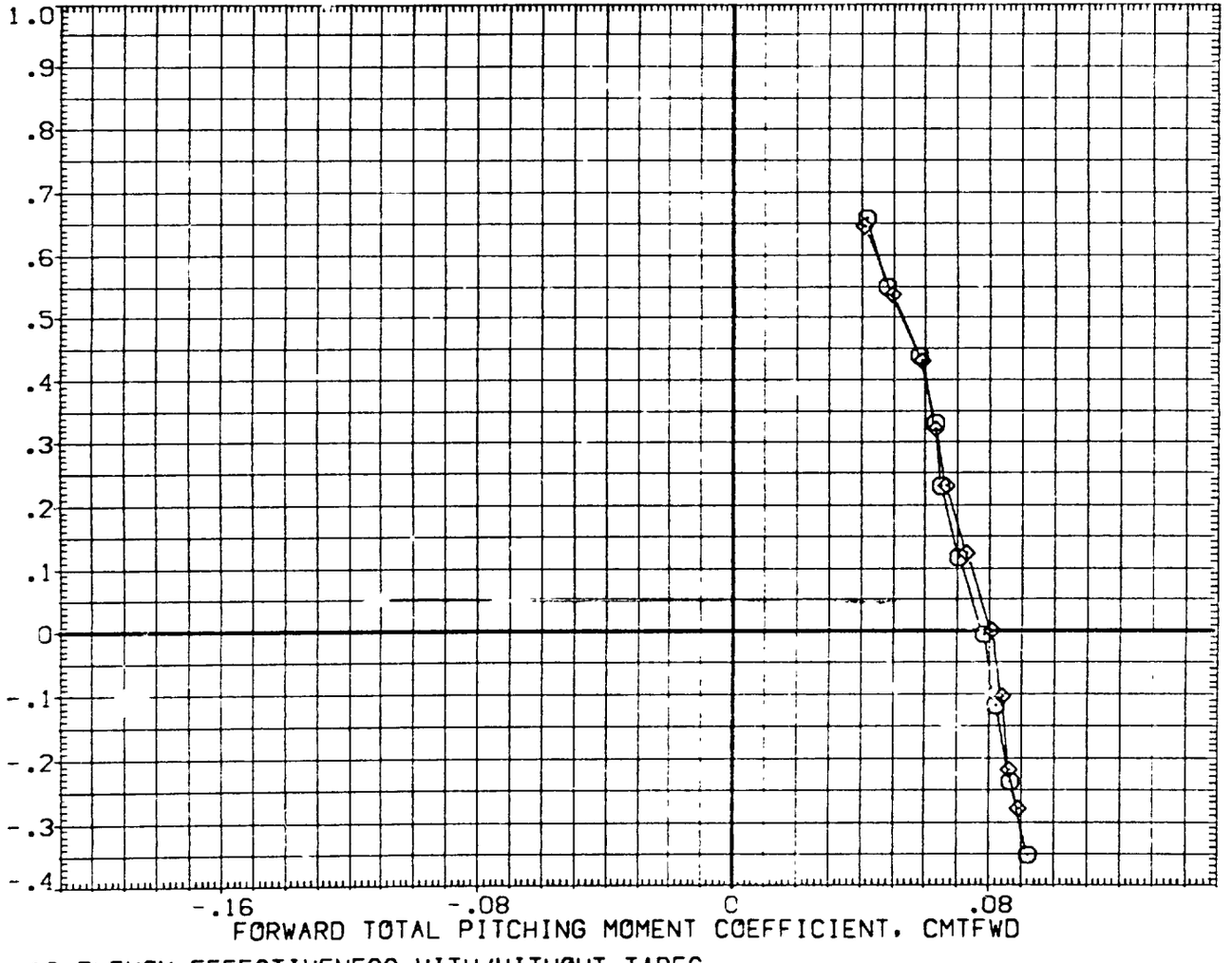


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

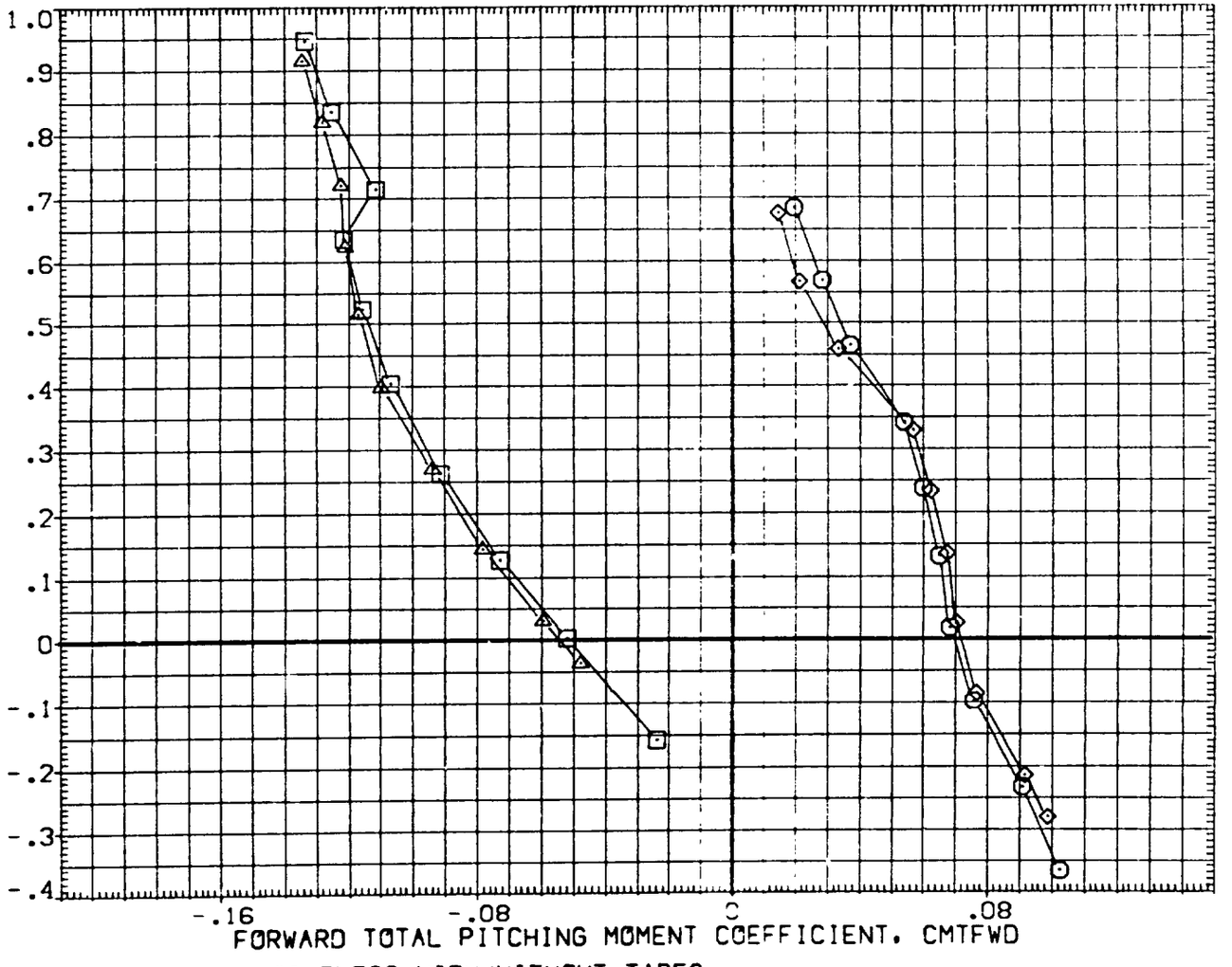


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

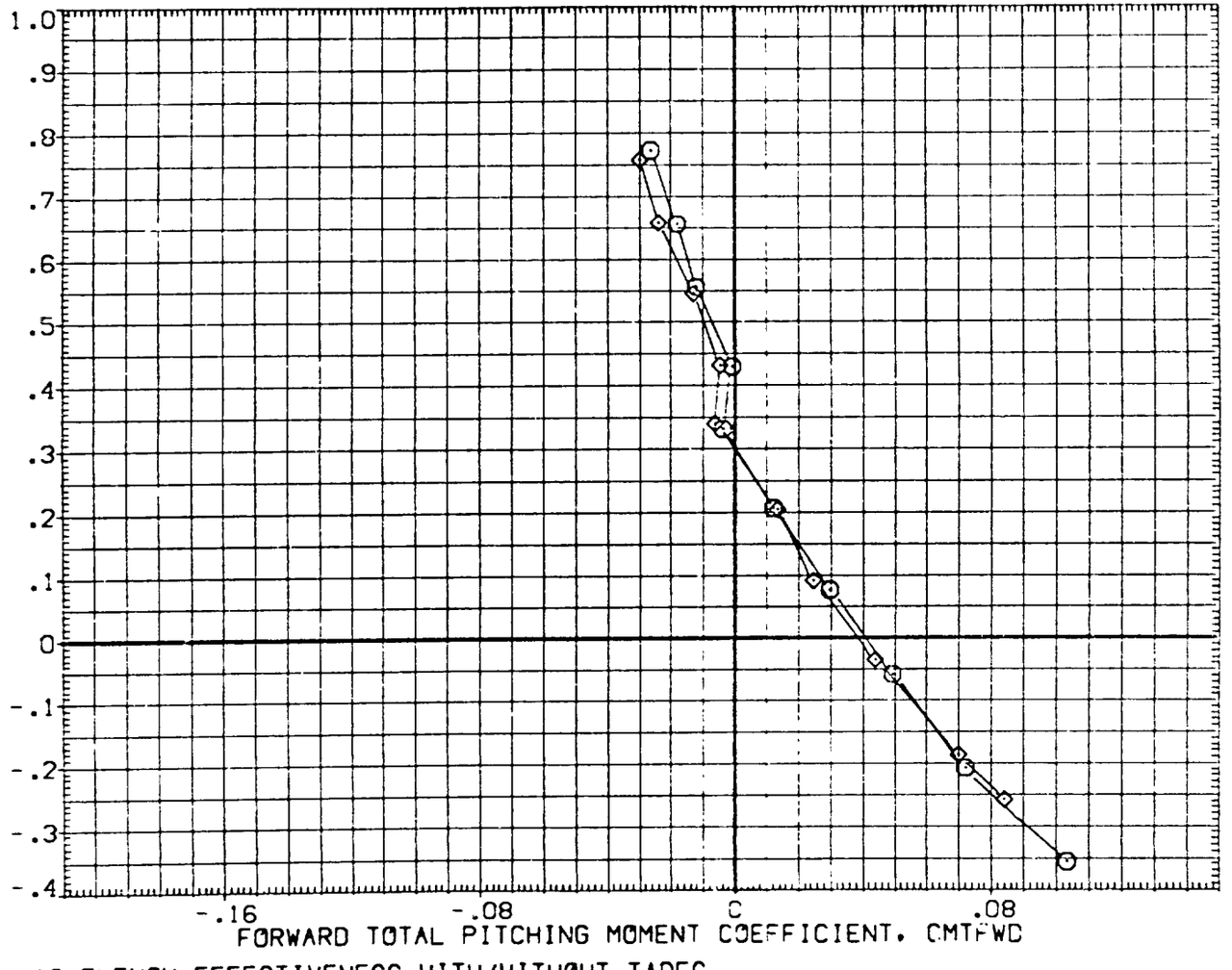


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

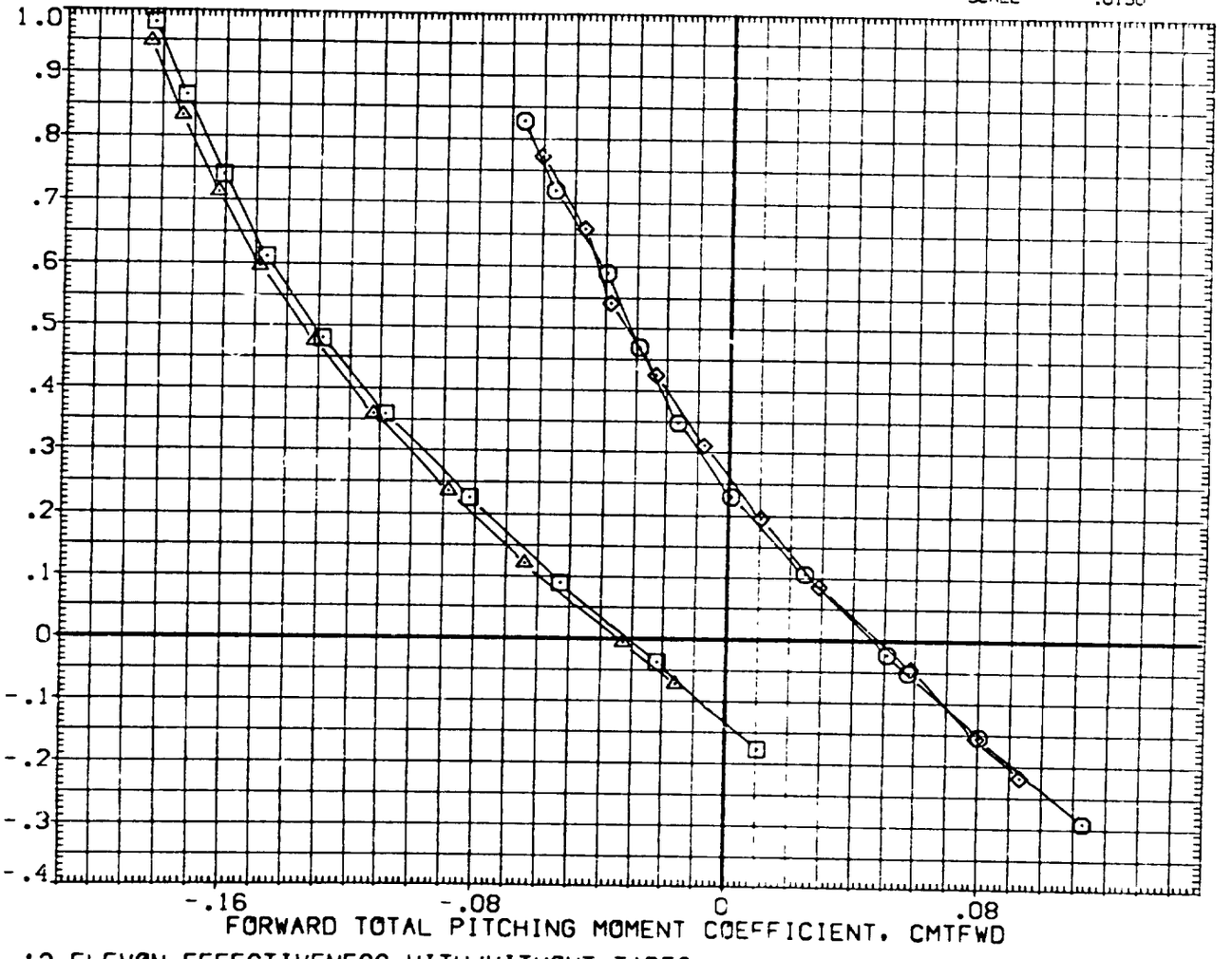


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

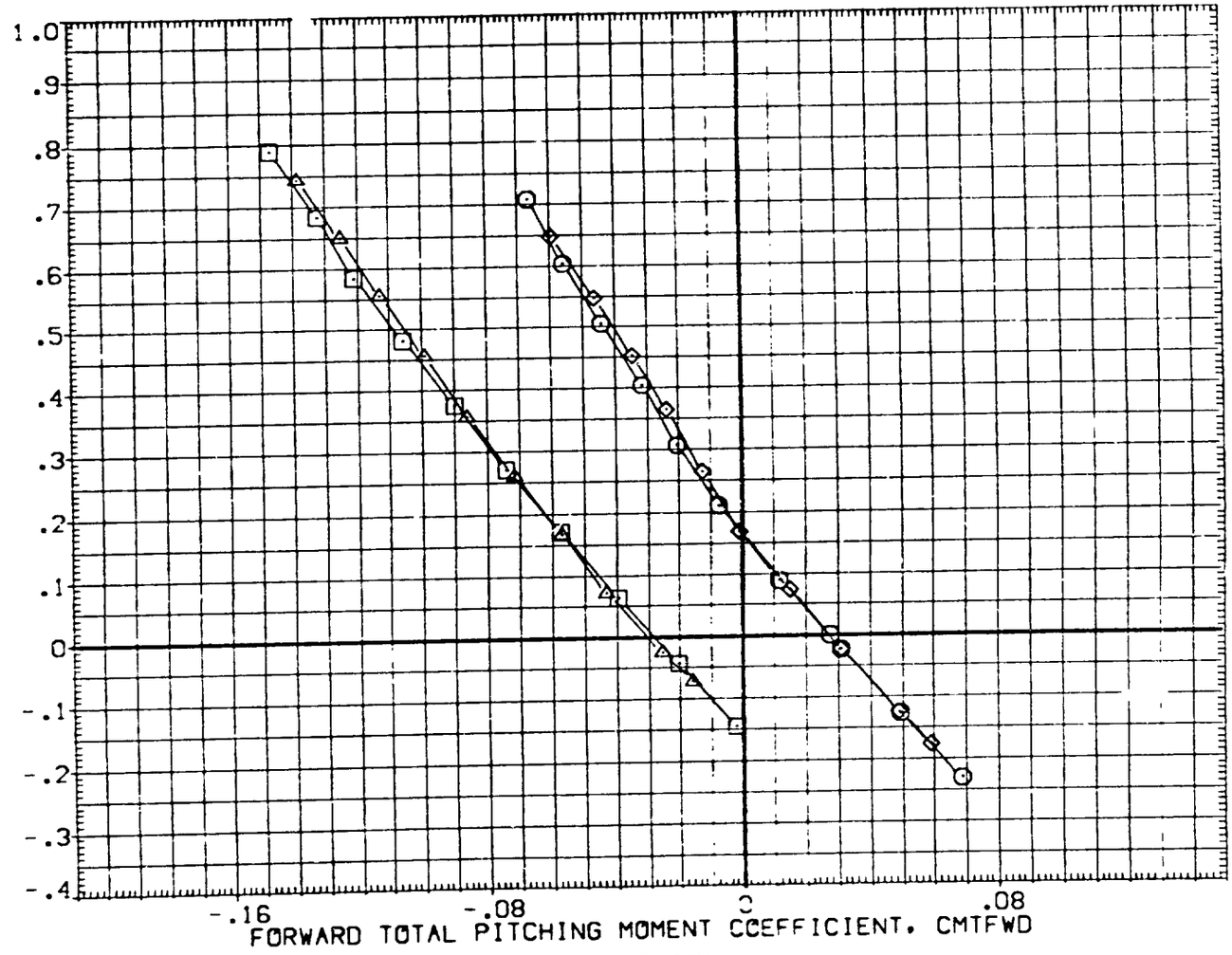


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER02C)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6256	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

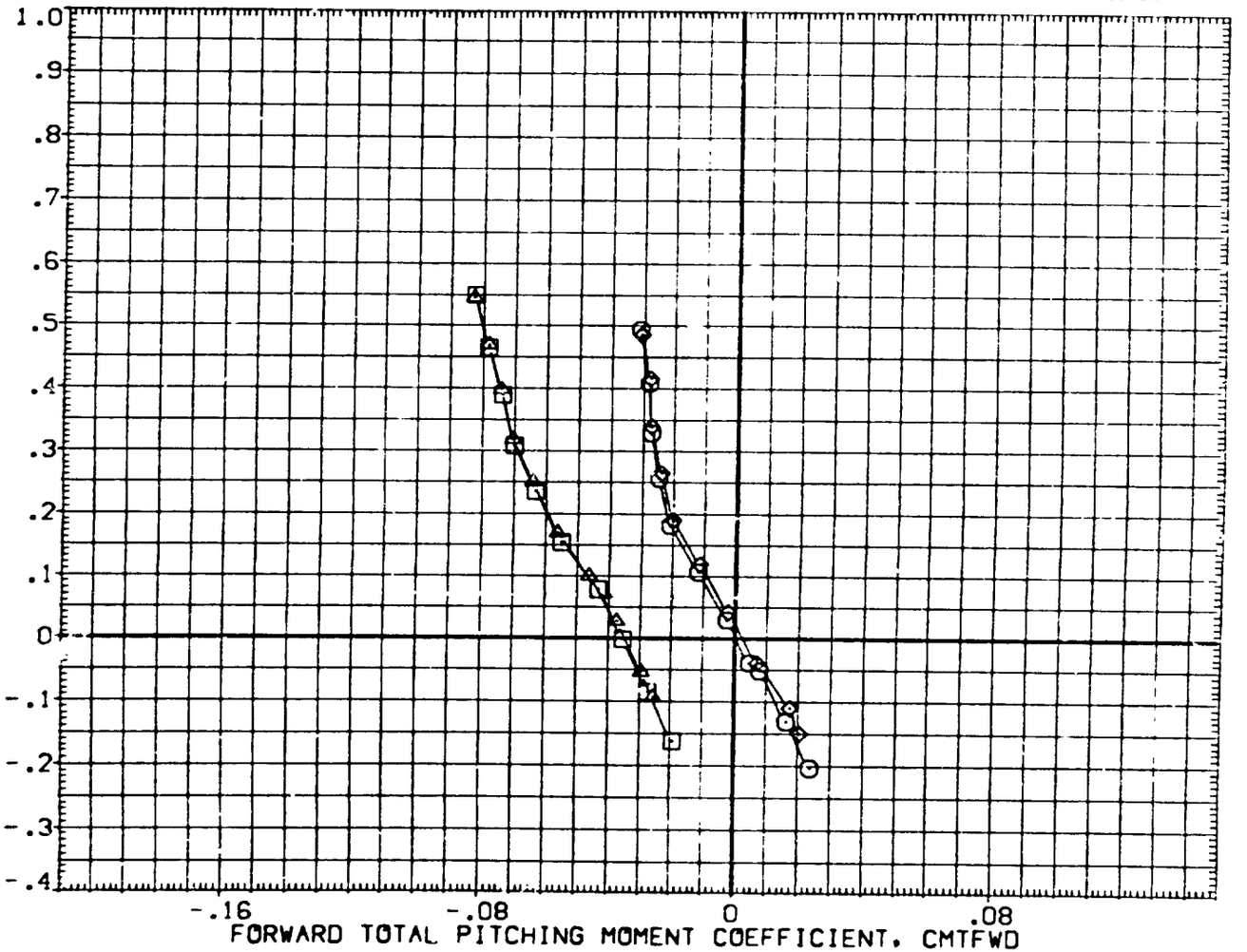


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

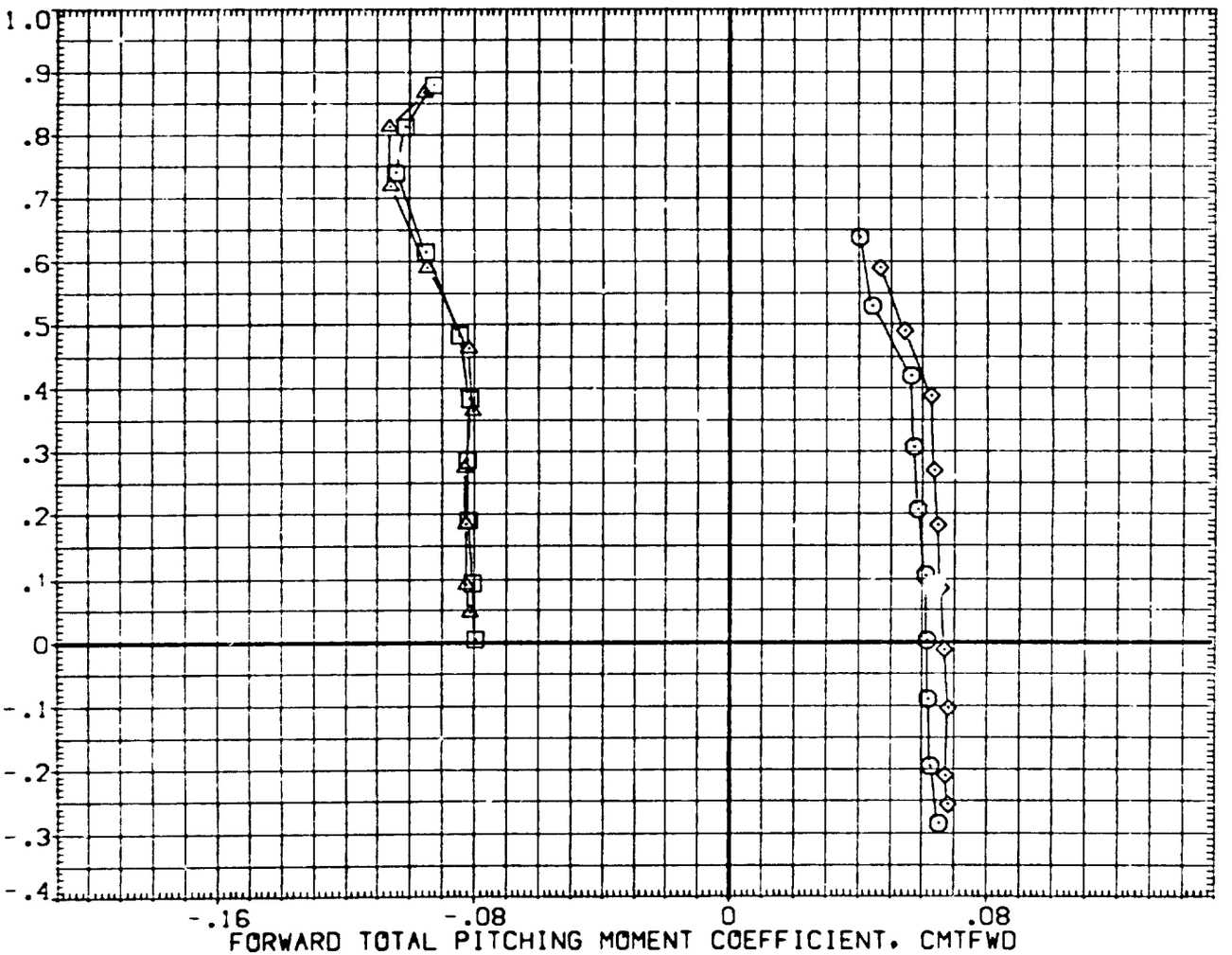


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)		ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

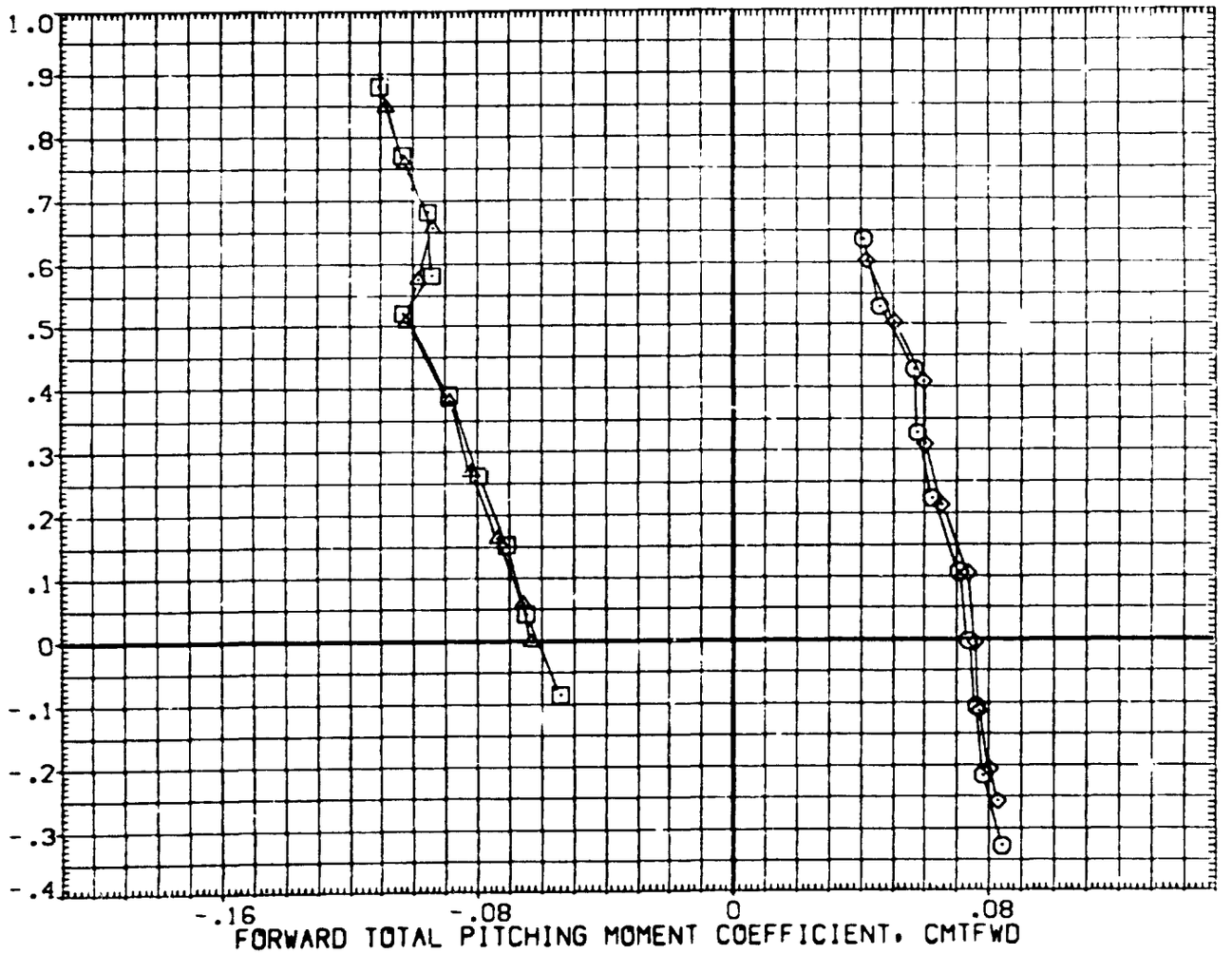


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3[illegible]	IN.
SCALE	.01[illegible]	

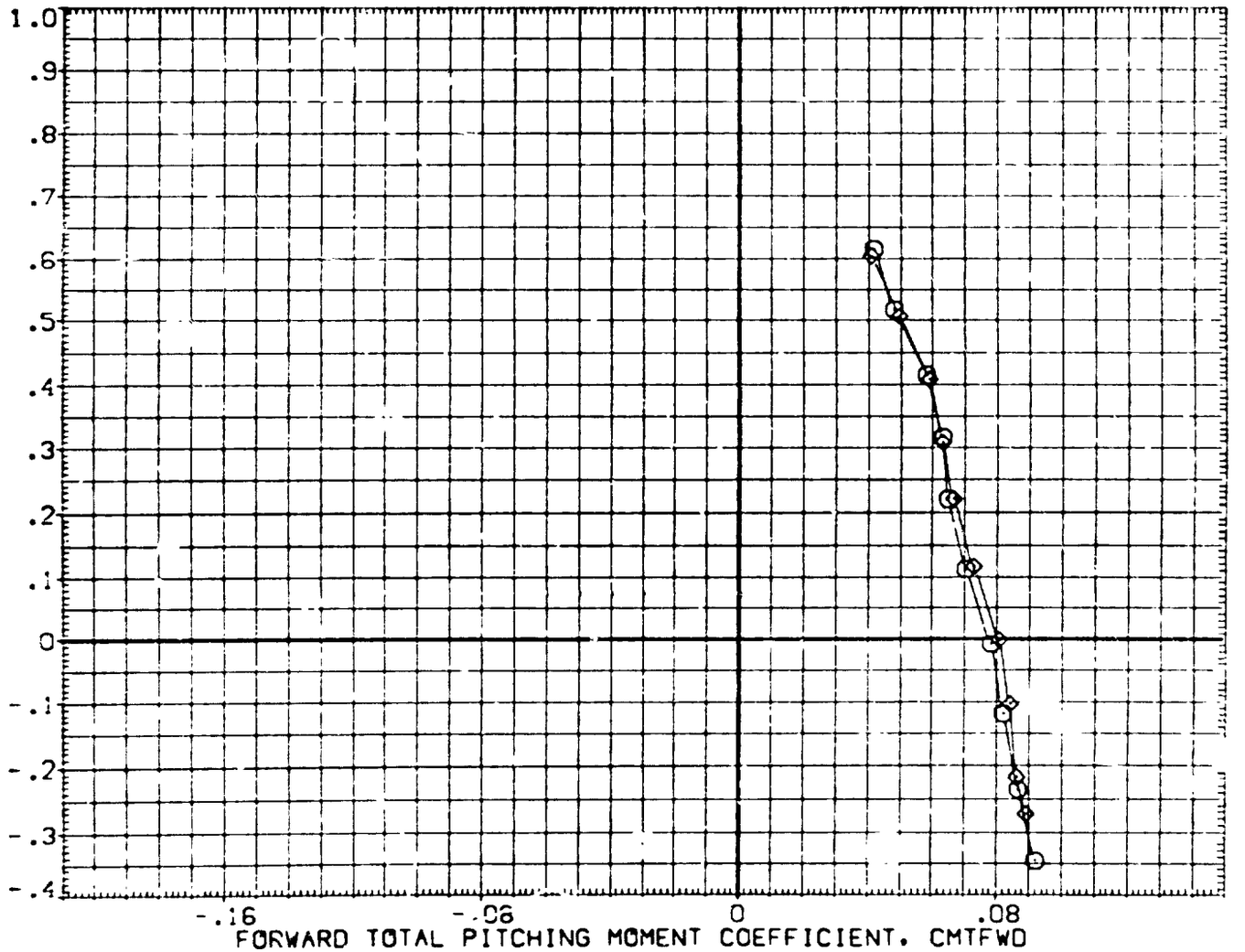


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER013)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.171)	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

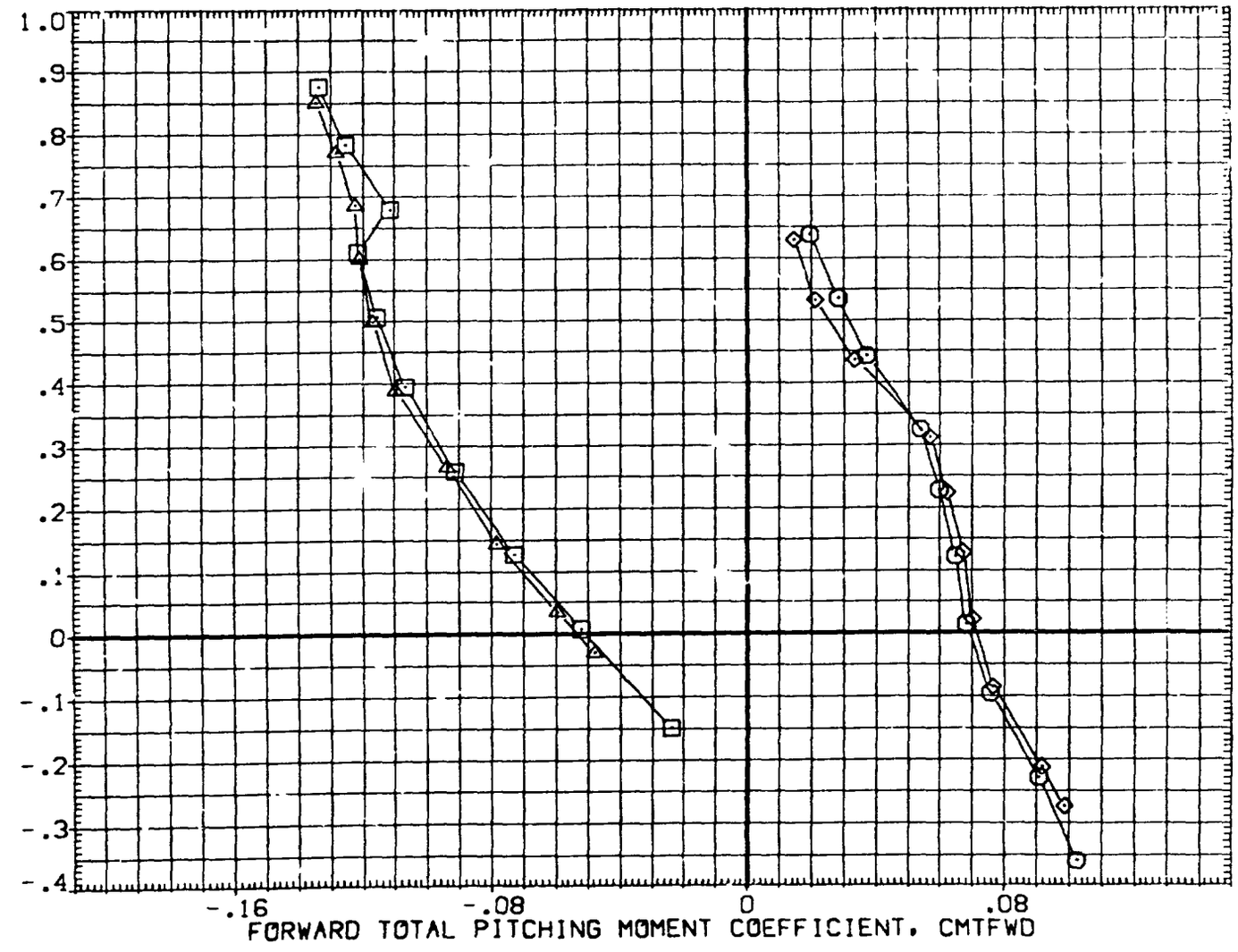


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

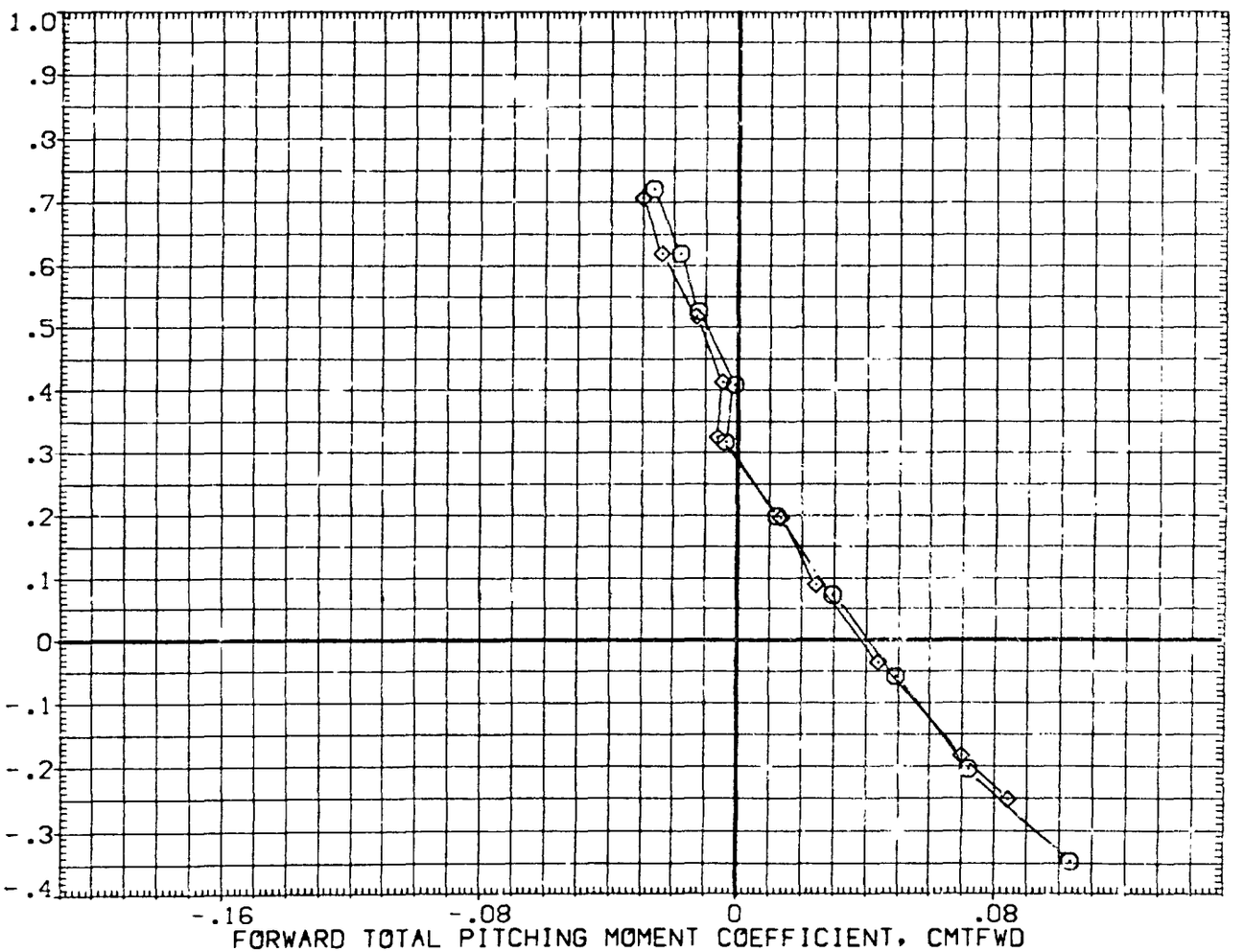


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERO19)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

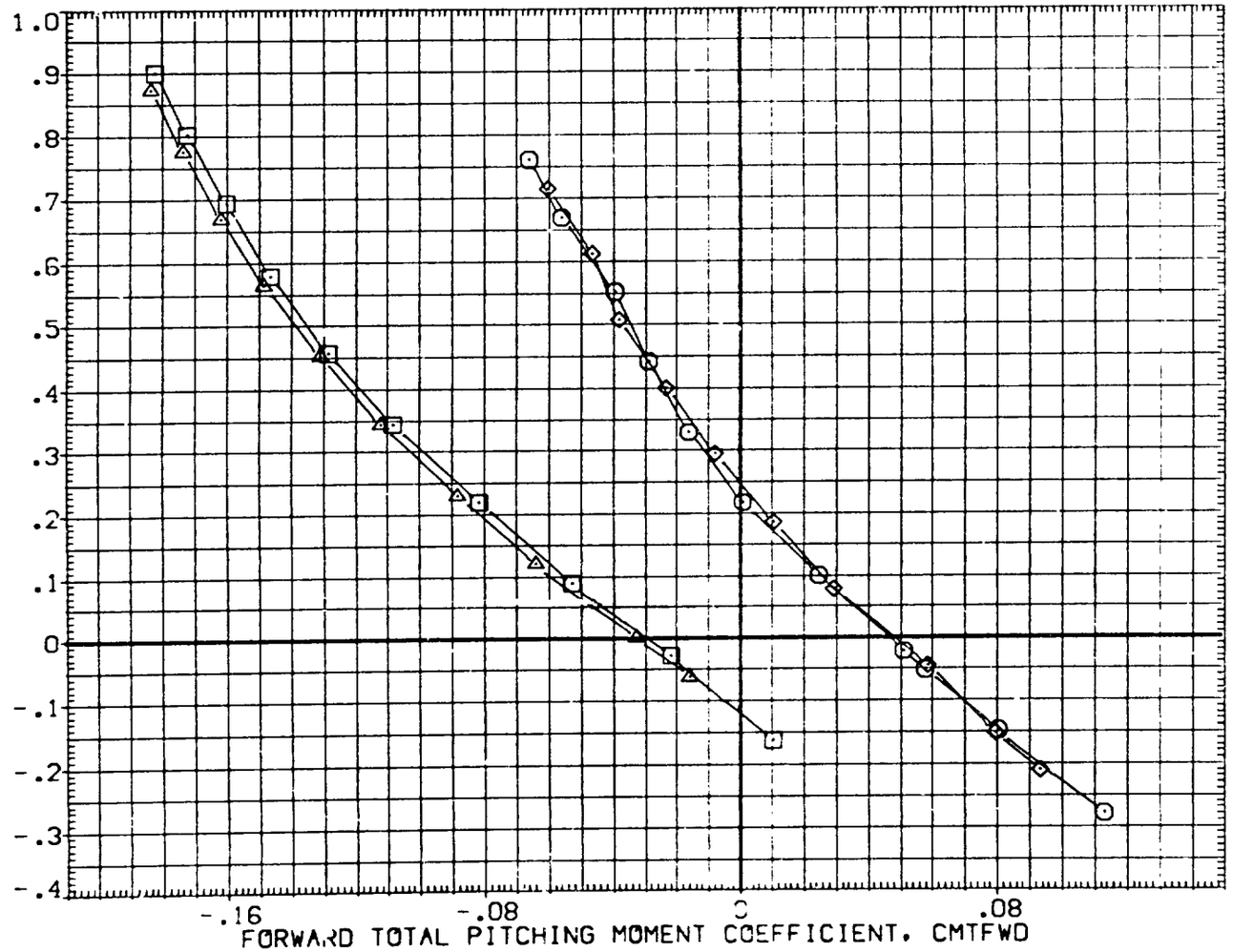


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERO19)	◇	RC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

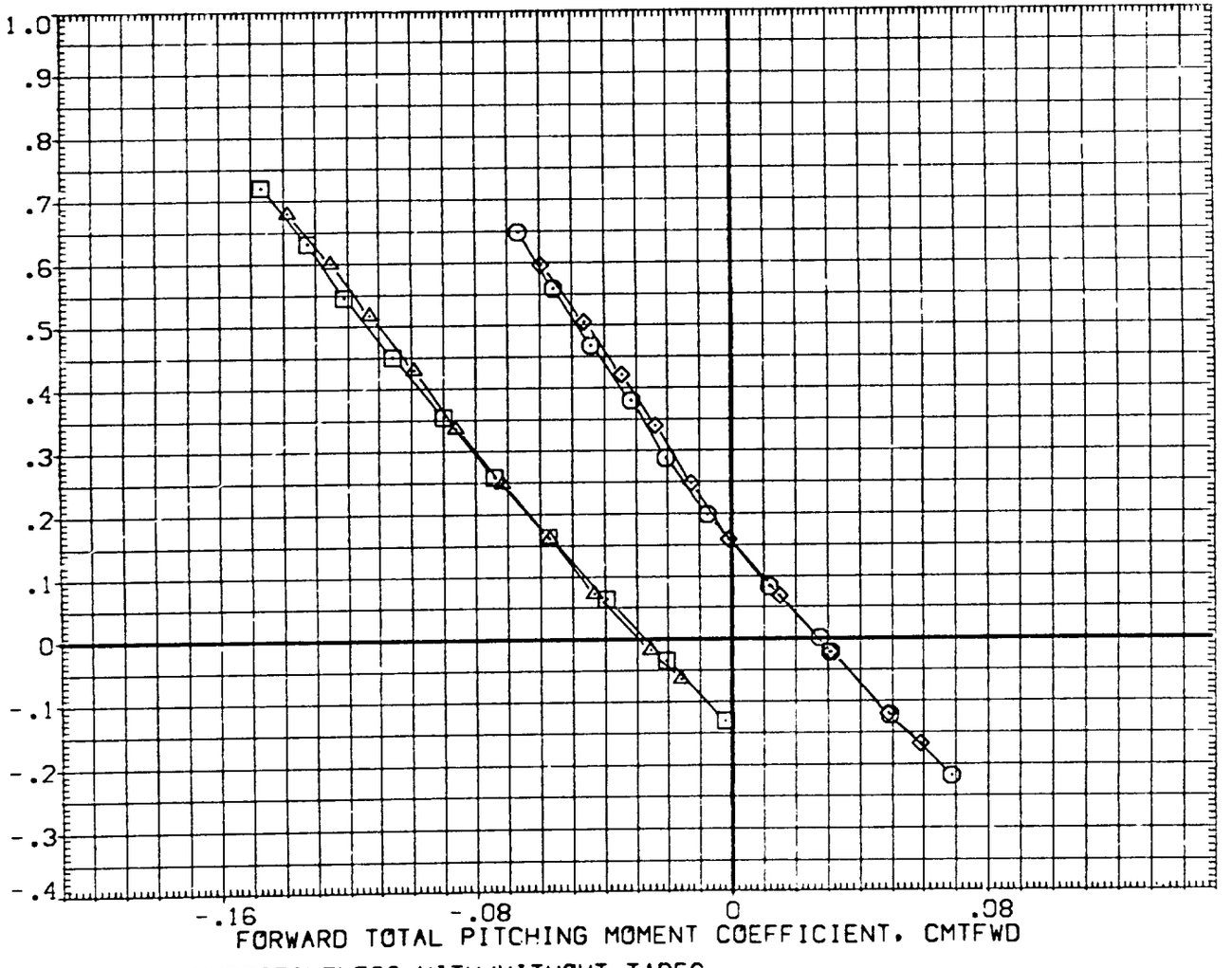


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019) ○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020) □	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019) ◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020) △	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

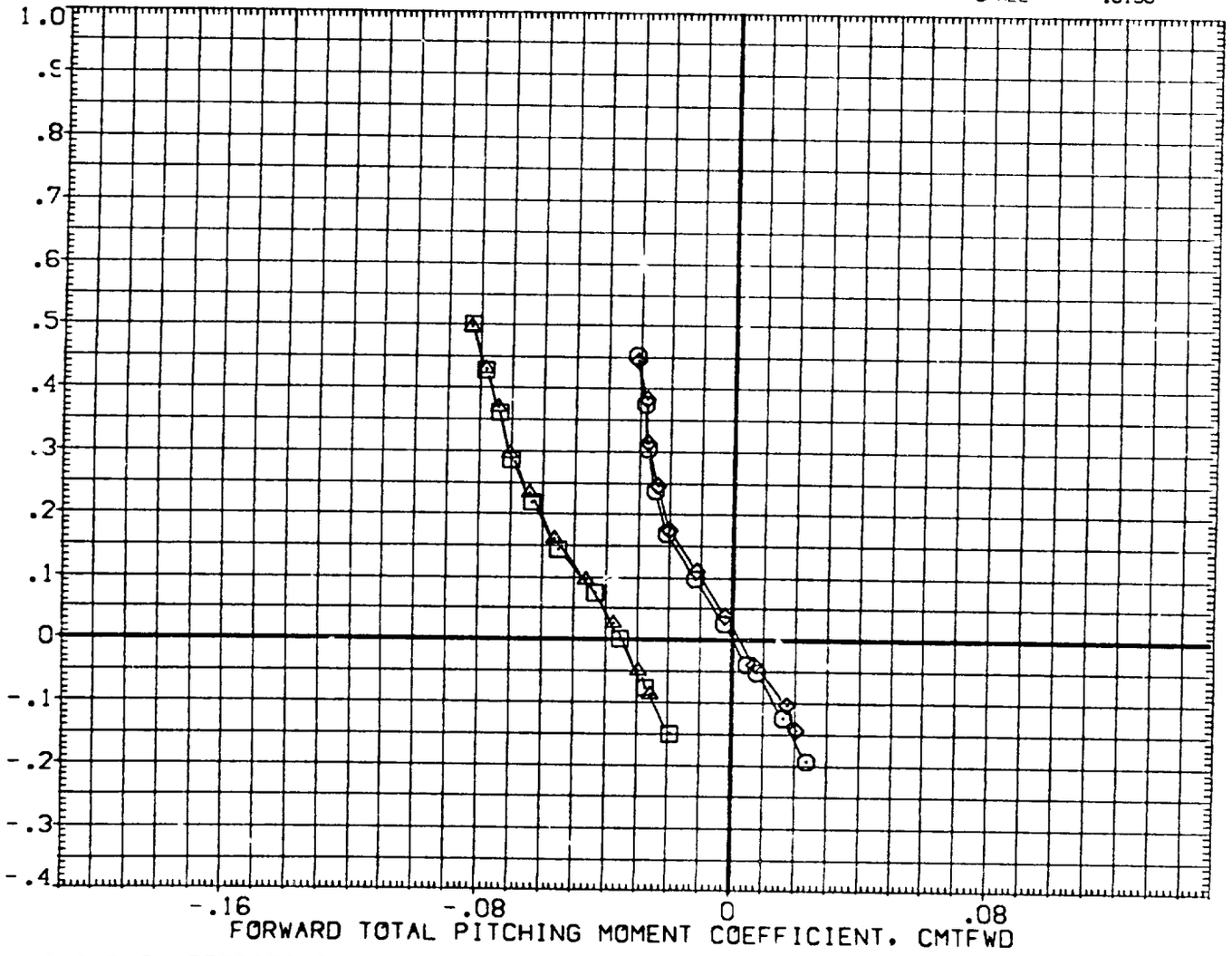


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

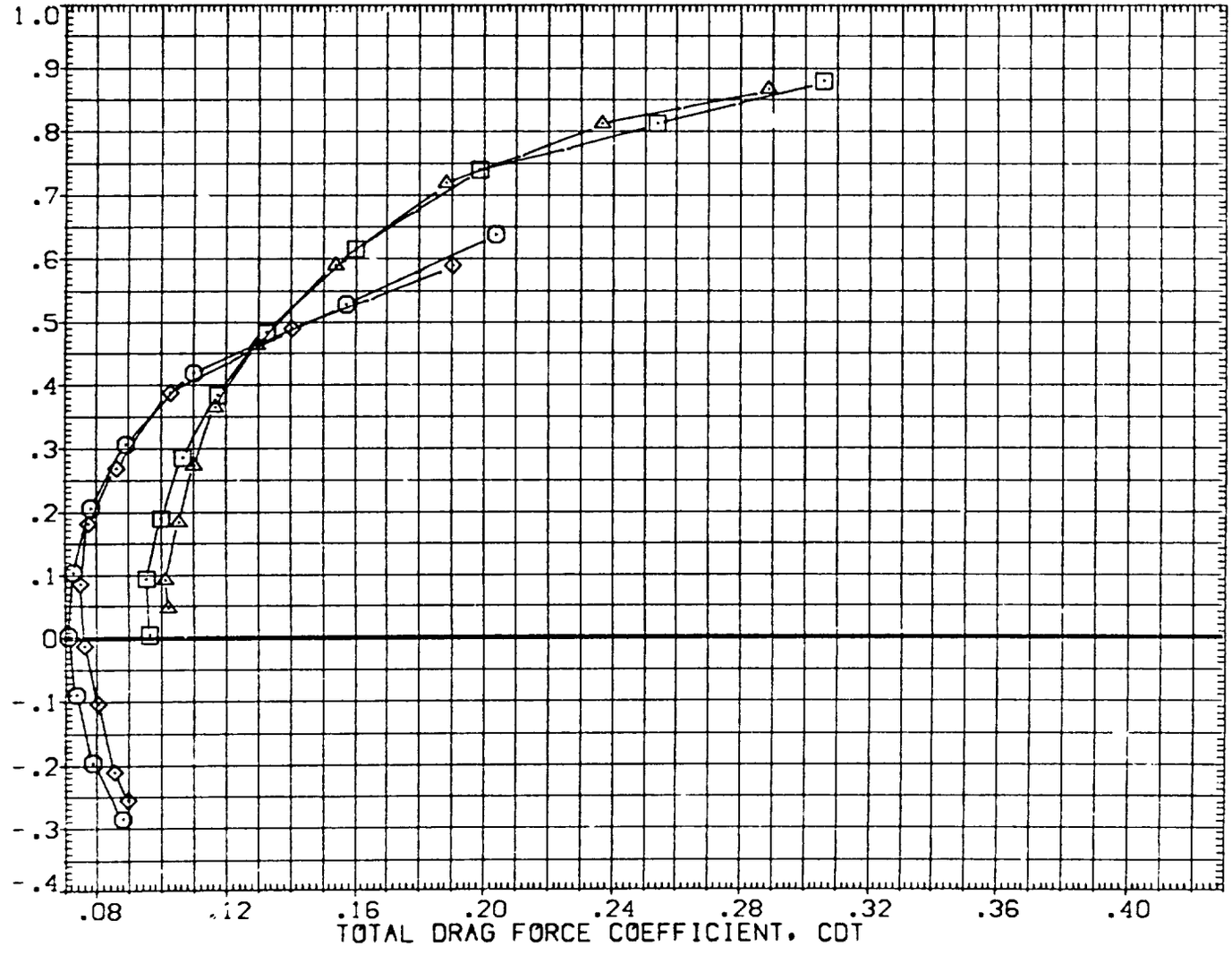


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

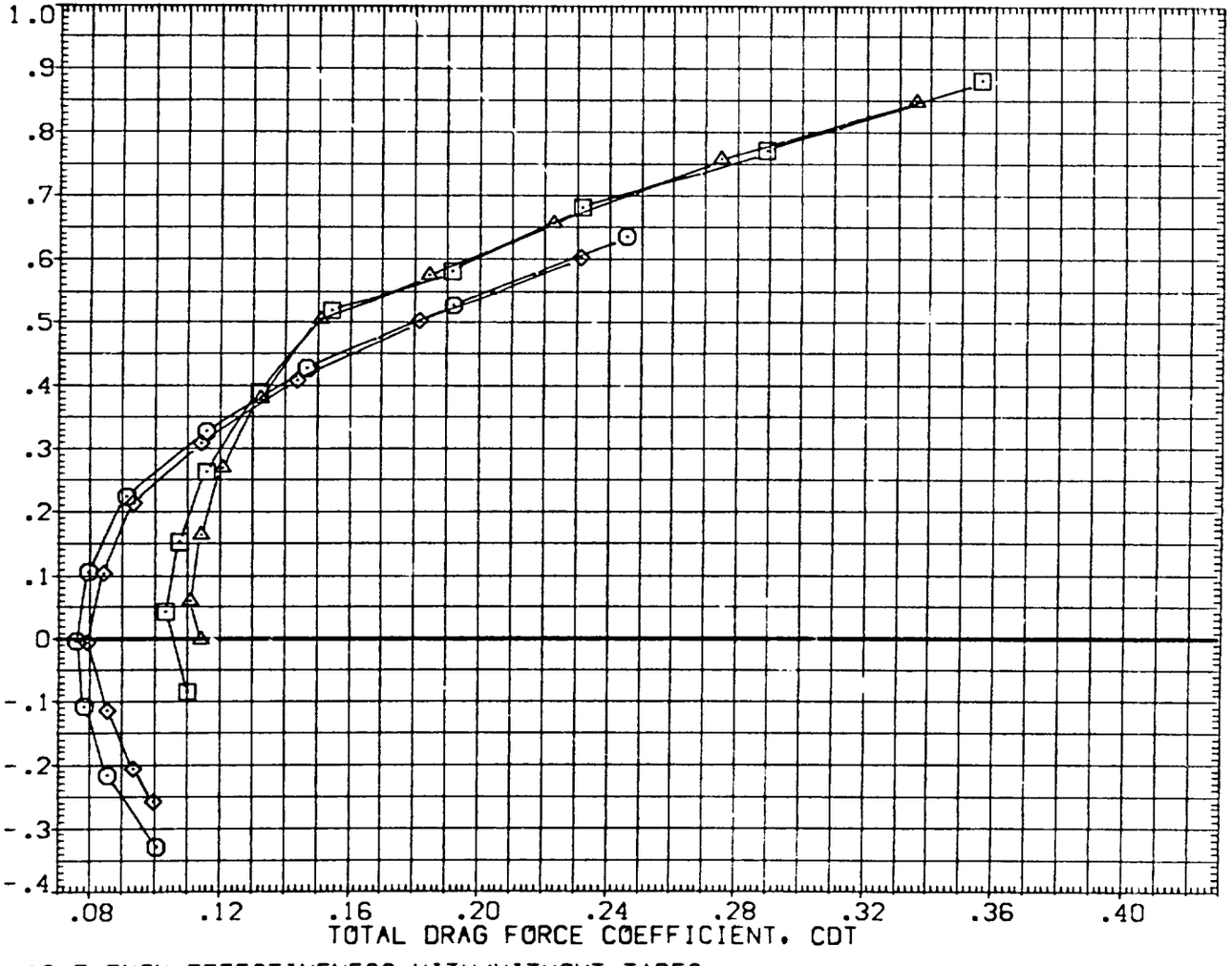


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
[GER019]	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
[GER020]	□	DATA NOT AVAILABLE	.000	15.000	-11.700
[3ER019]	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
[3ER020]	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

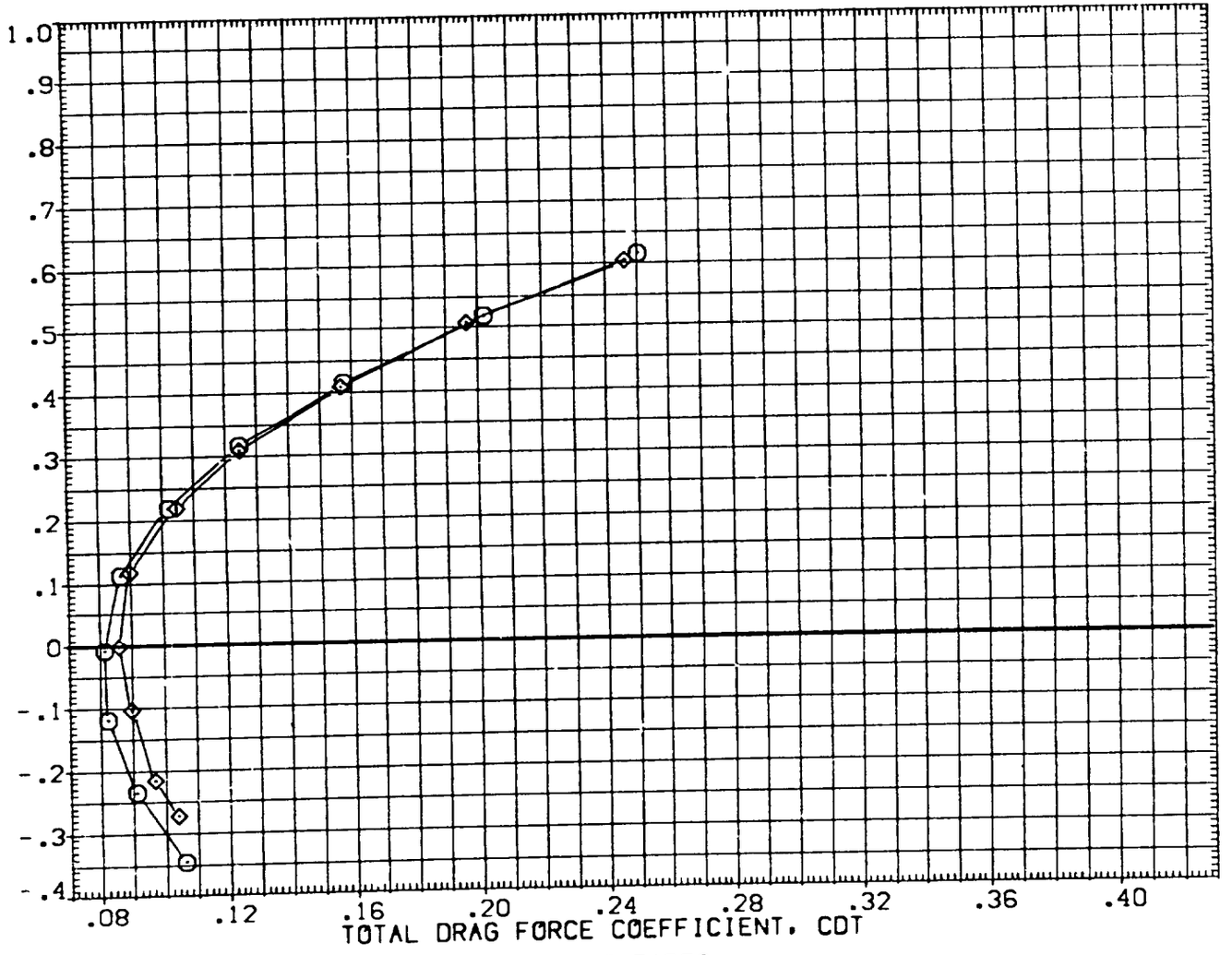


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

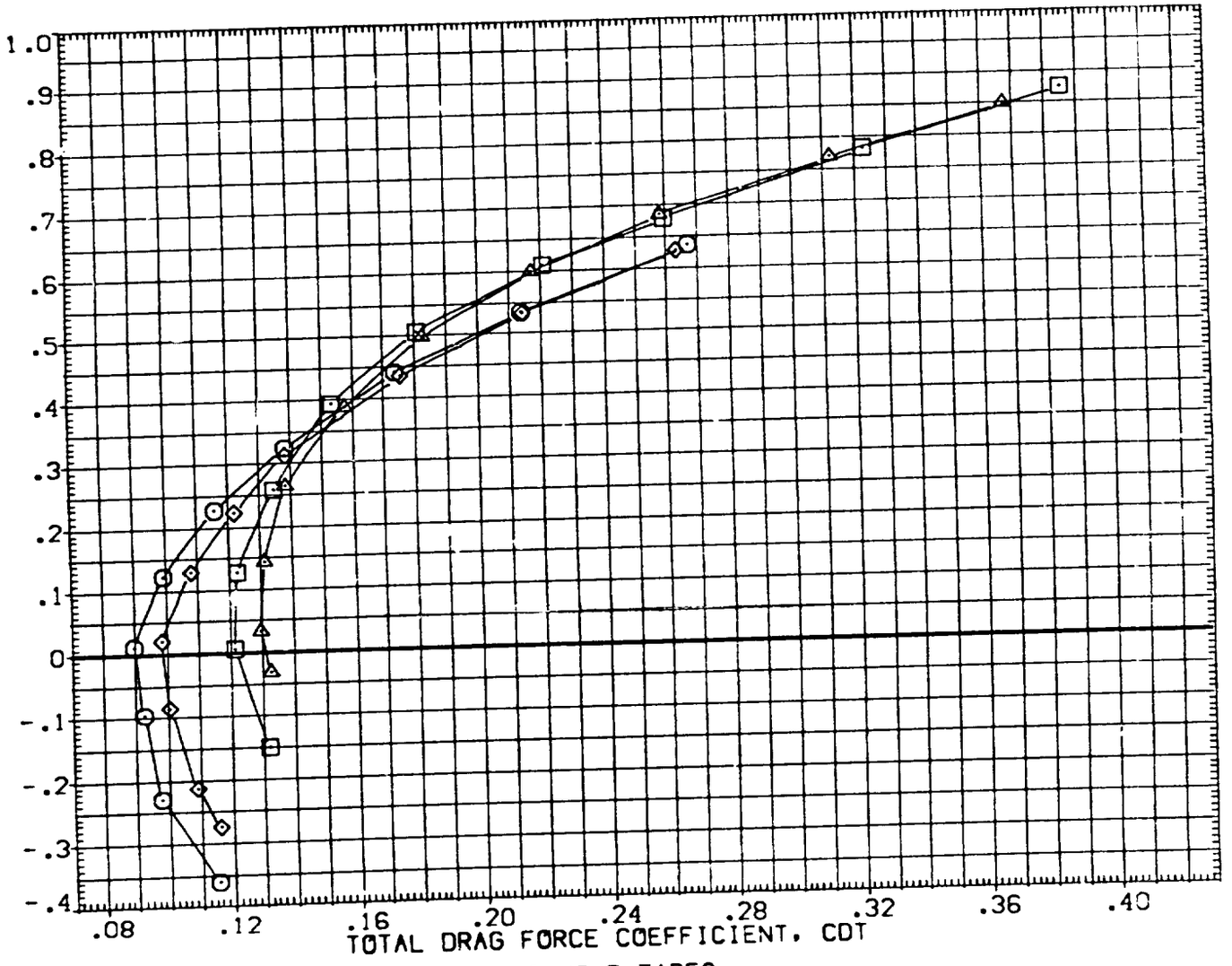


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

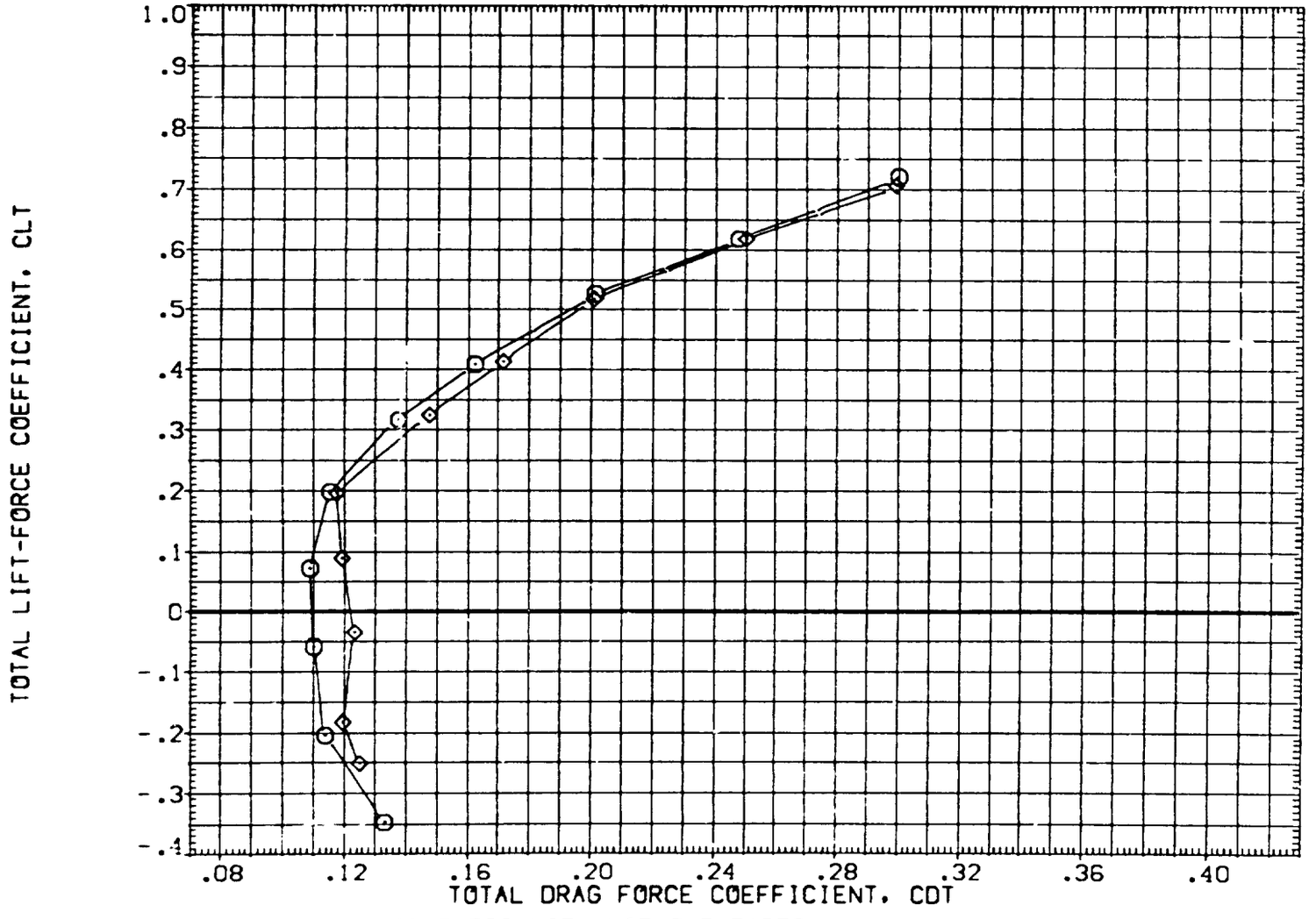


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

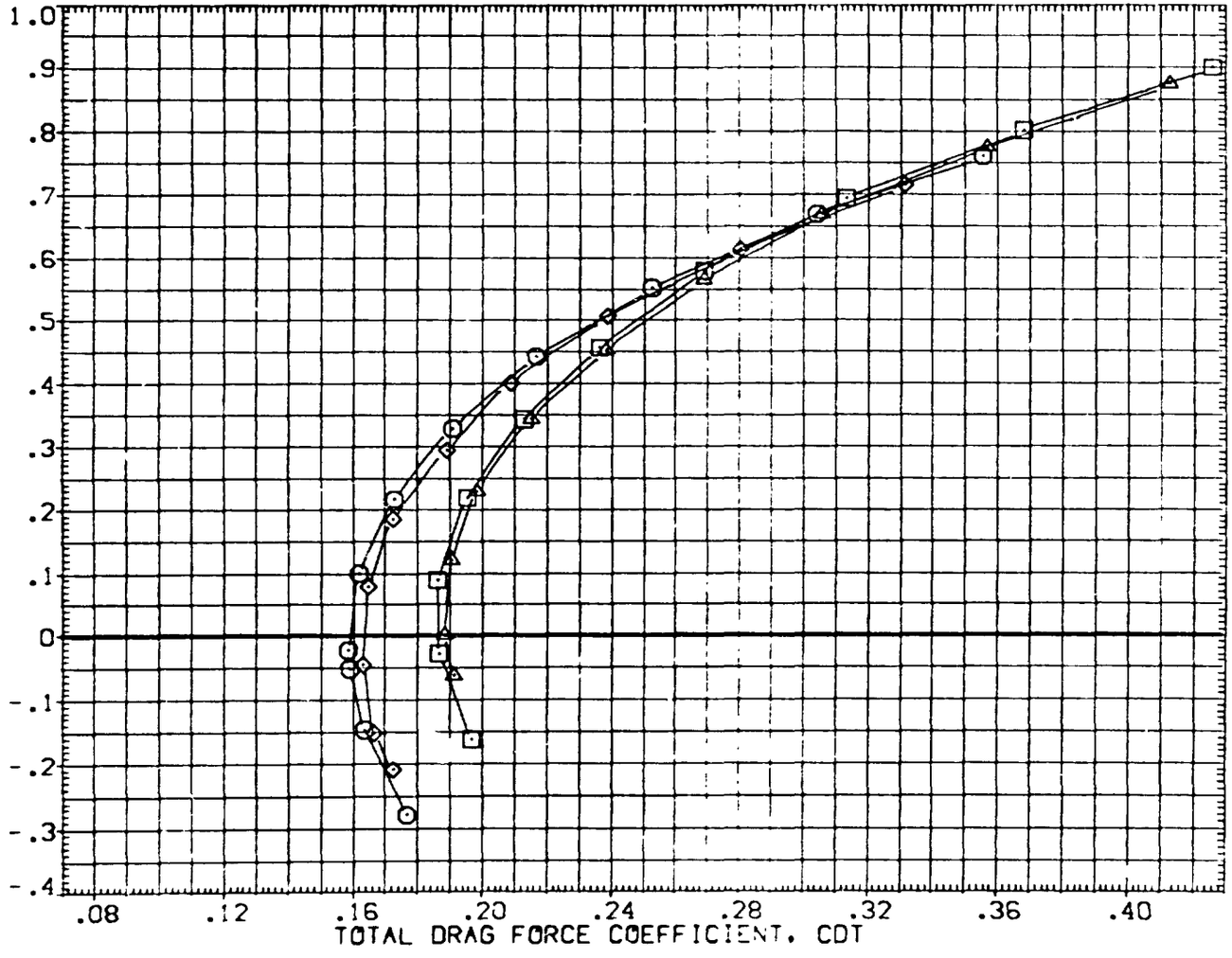


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

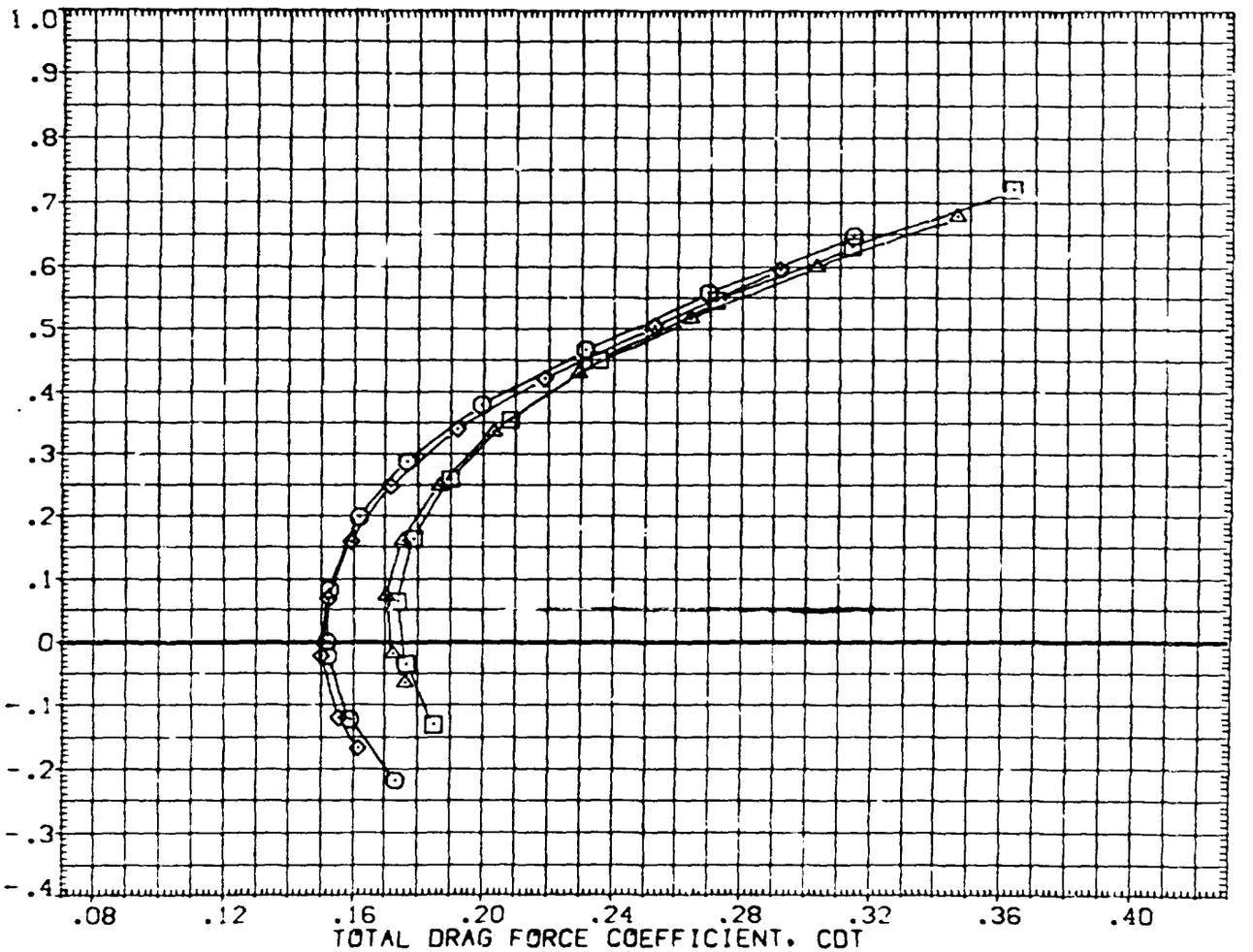


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

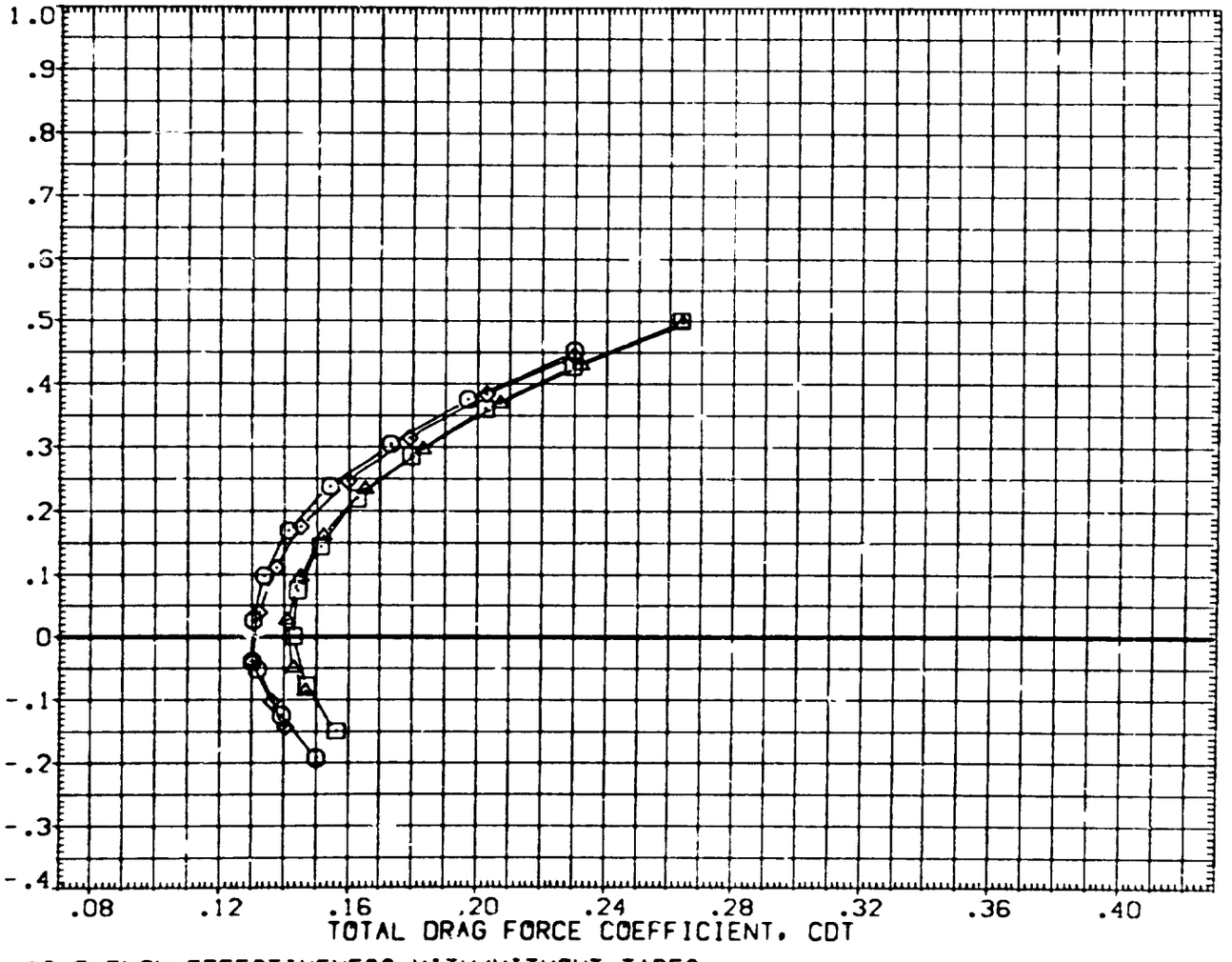


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.593	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

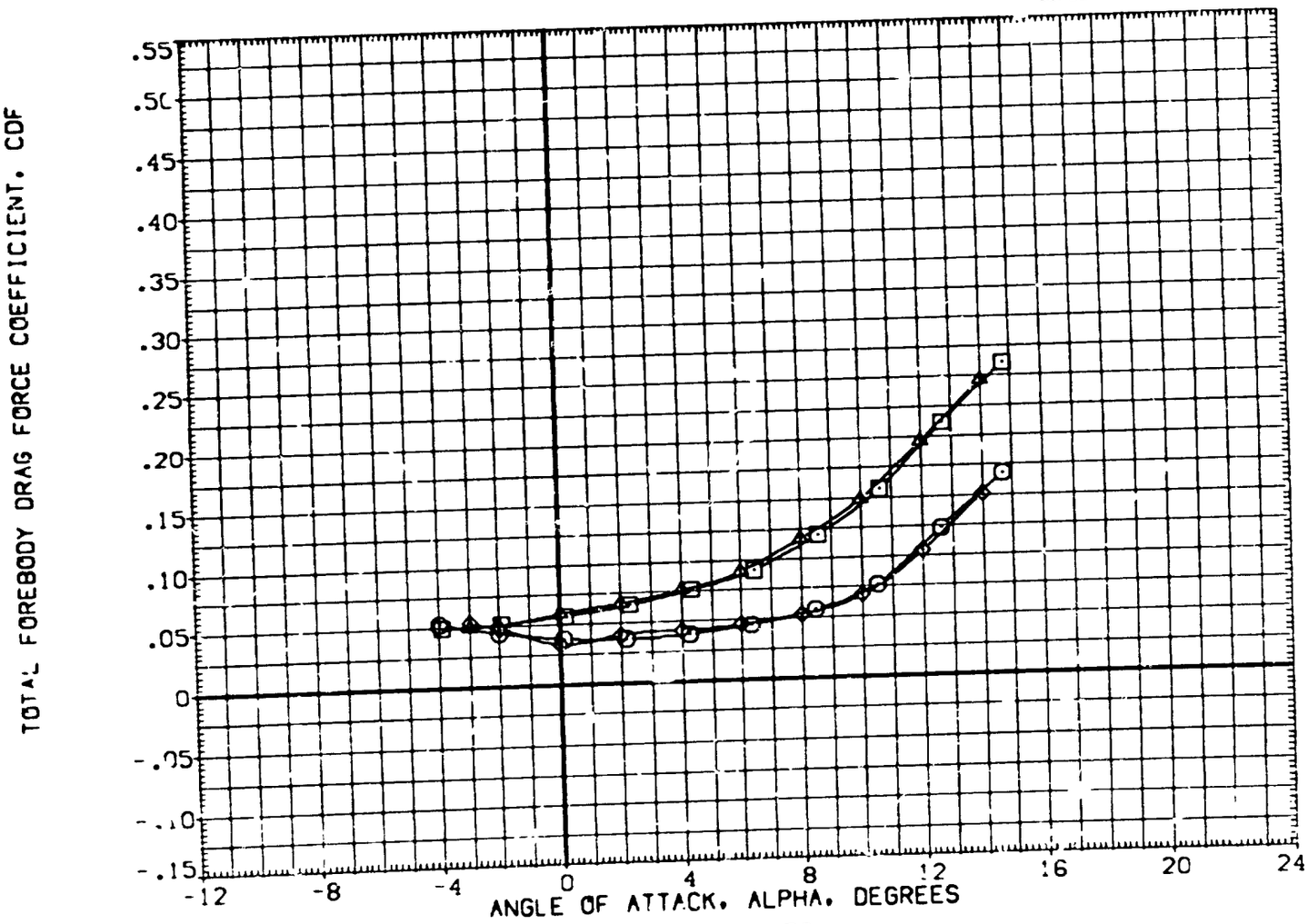


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH - .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N21)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

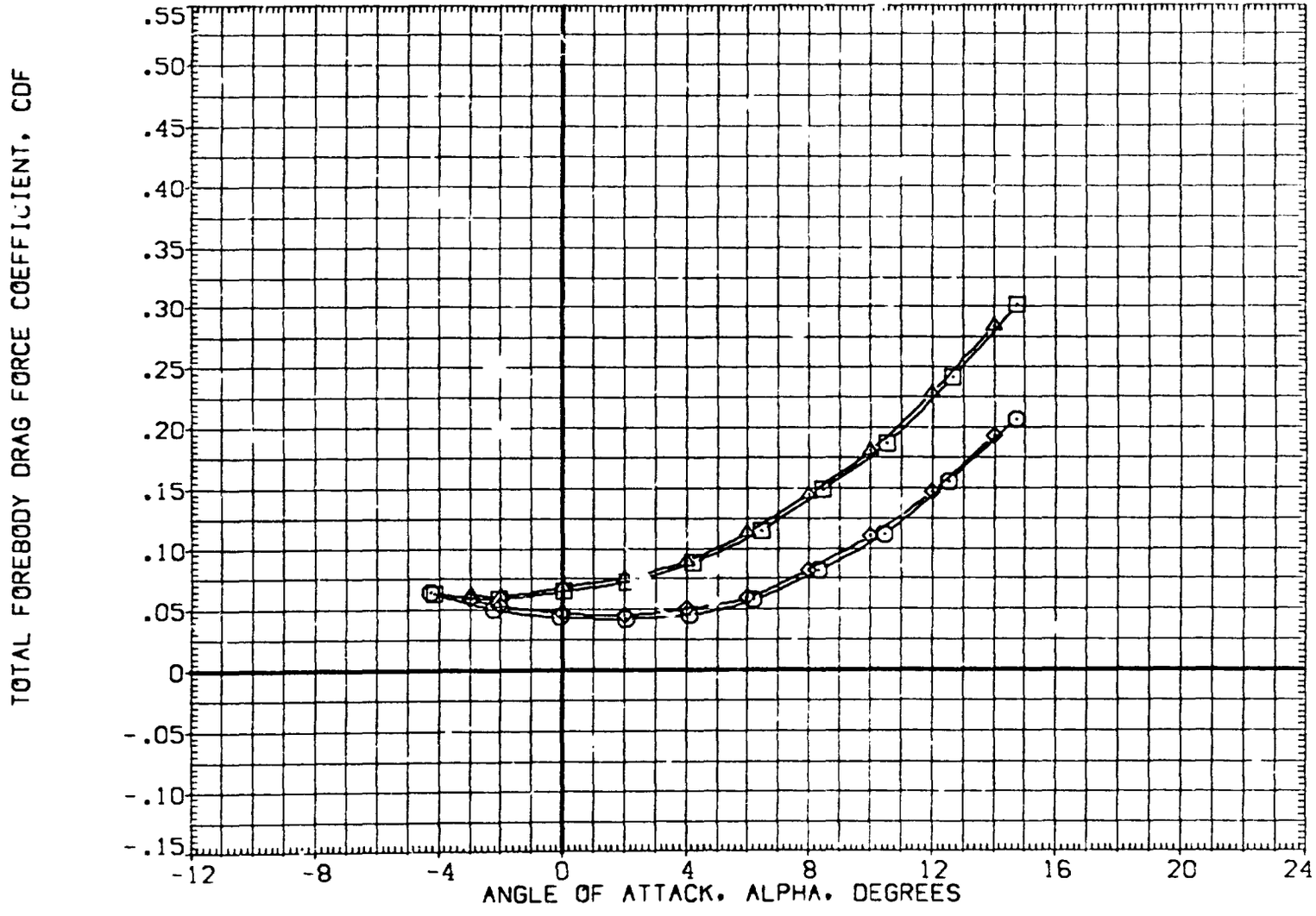


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

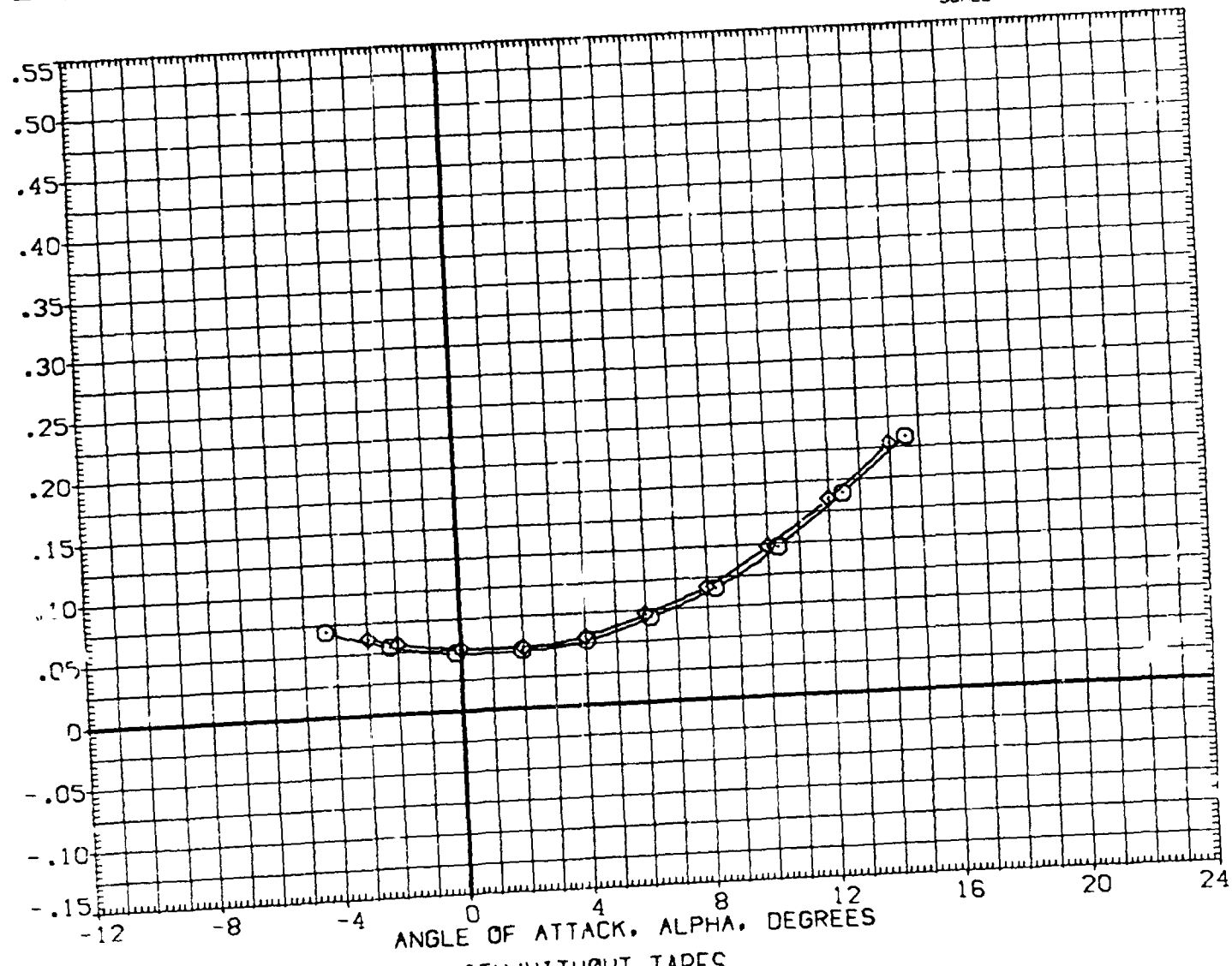


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

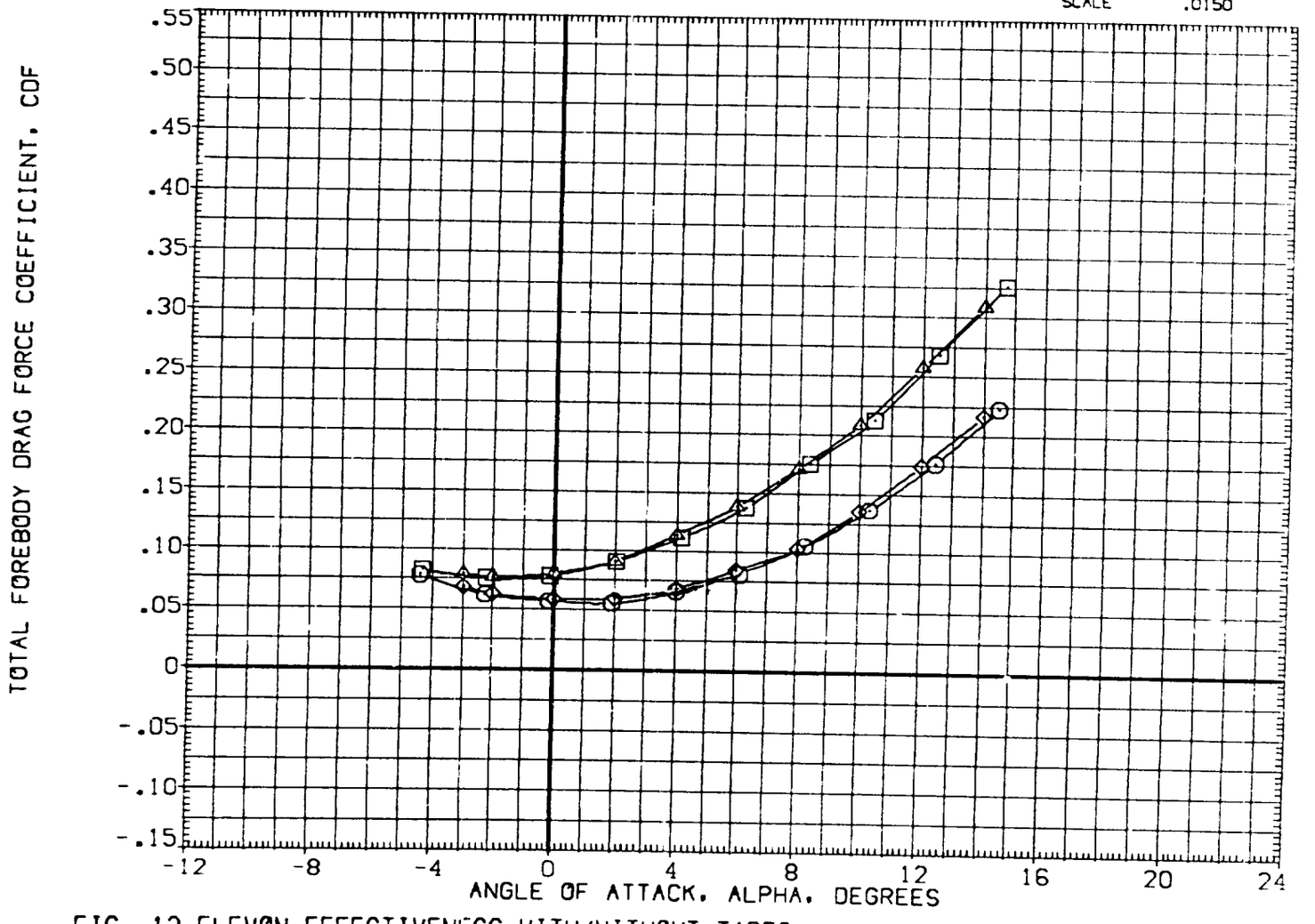


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET SYMBOL		CONFIGURATION DESCRIPTION
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)
(GER020)	□	DATA NOT AVAILABLE
(3ER019)	⊠	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)
(3ER020)	△	DATA NOT AVAILABLE

BETA	ELEVON	BDFLAP
.000	.000	-11.700
.000	15.000	-11.700
.000	.000	-11.700
.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

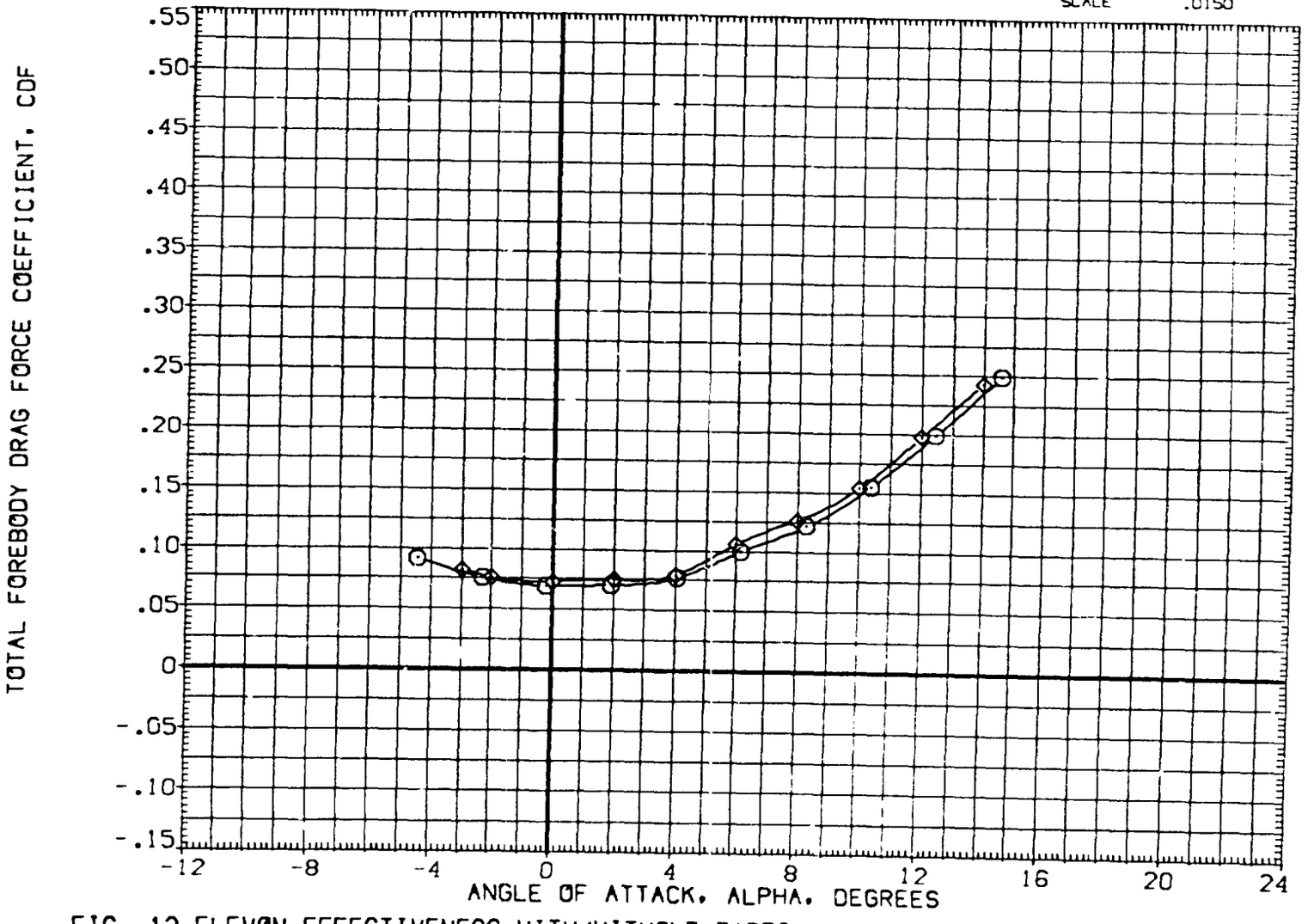


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

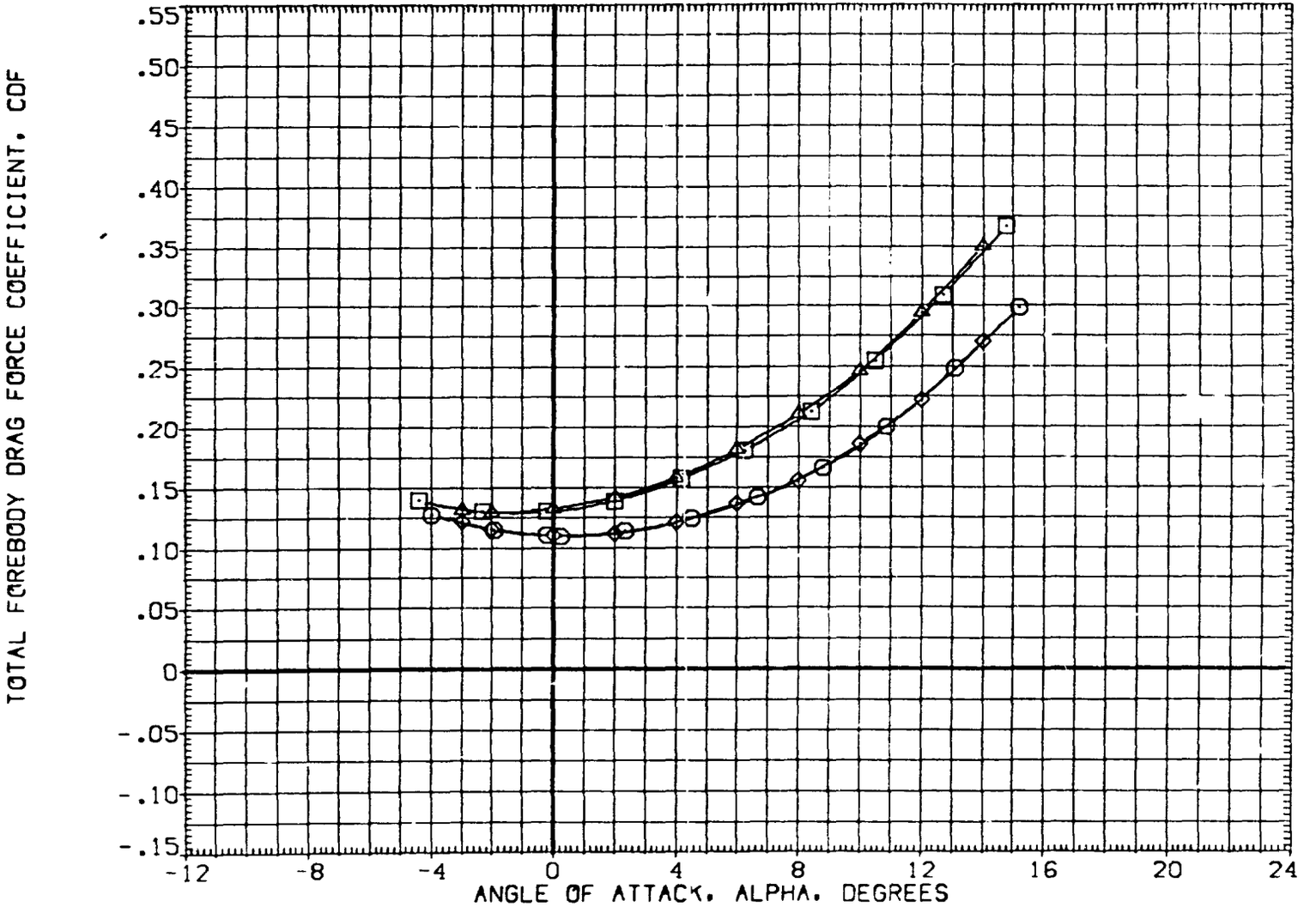


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

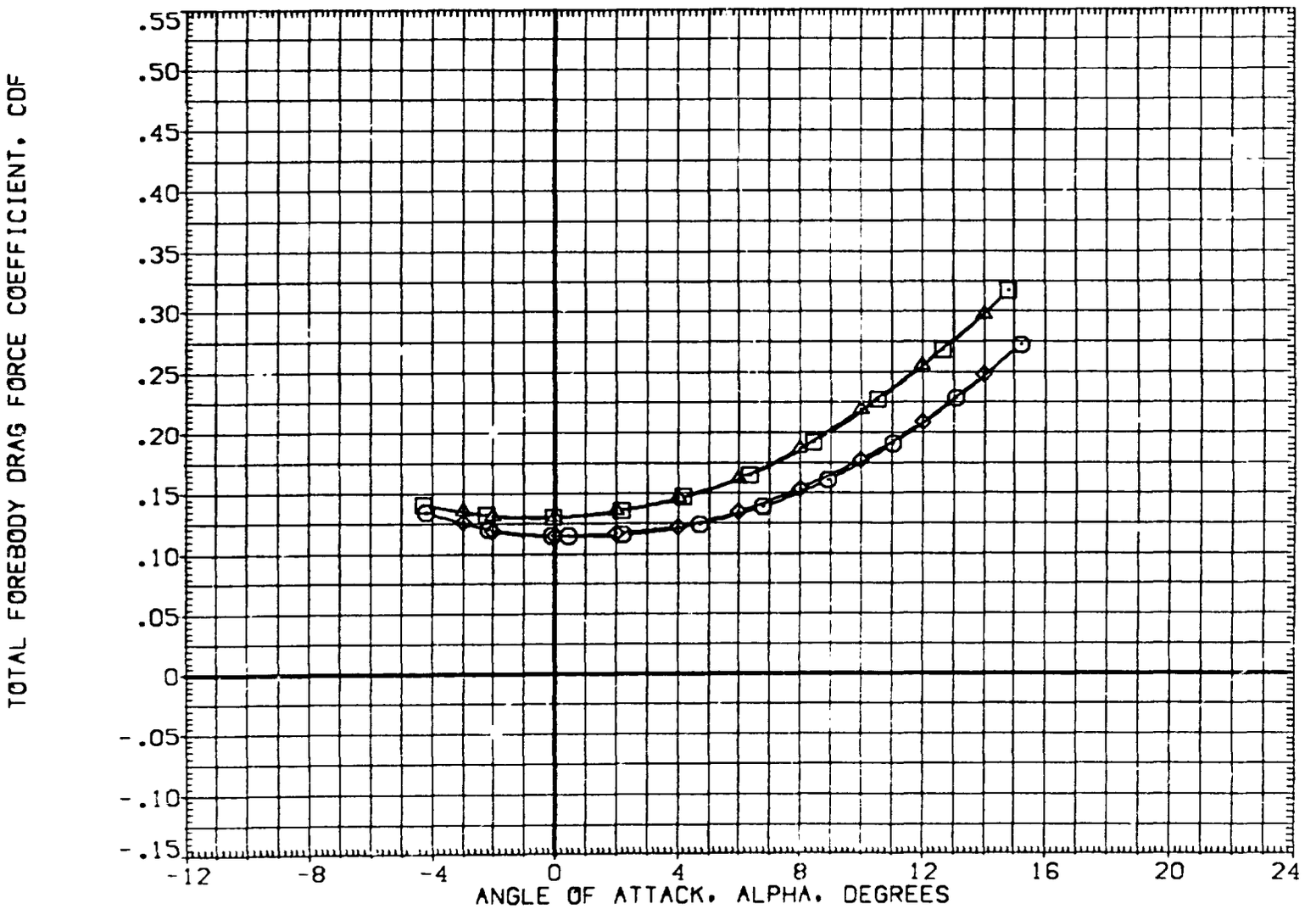


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

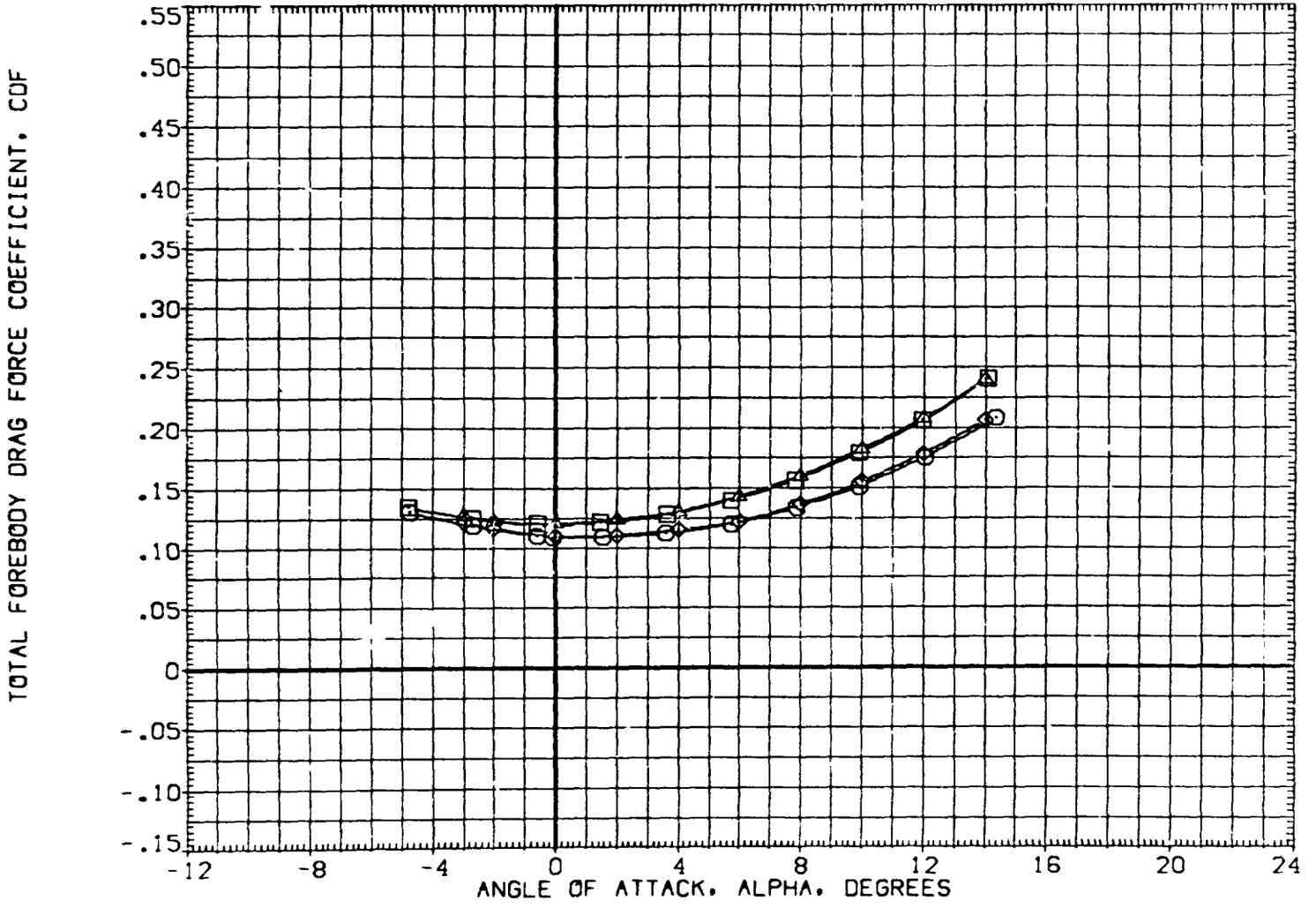


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERJ19)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

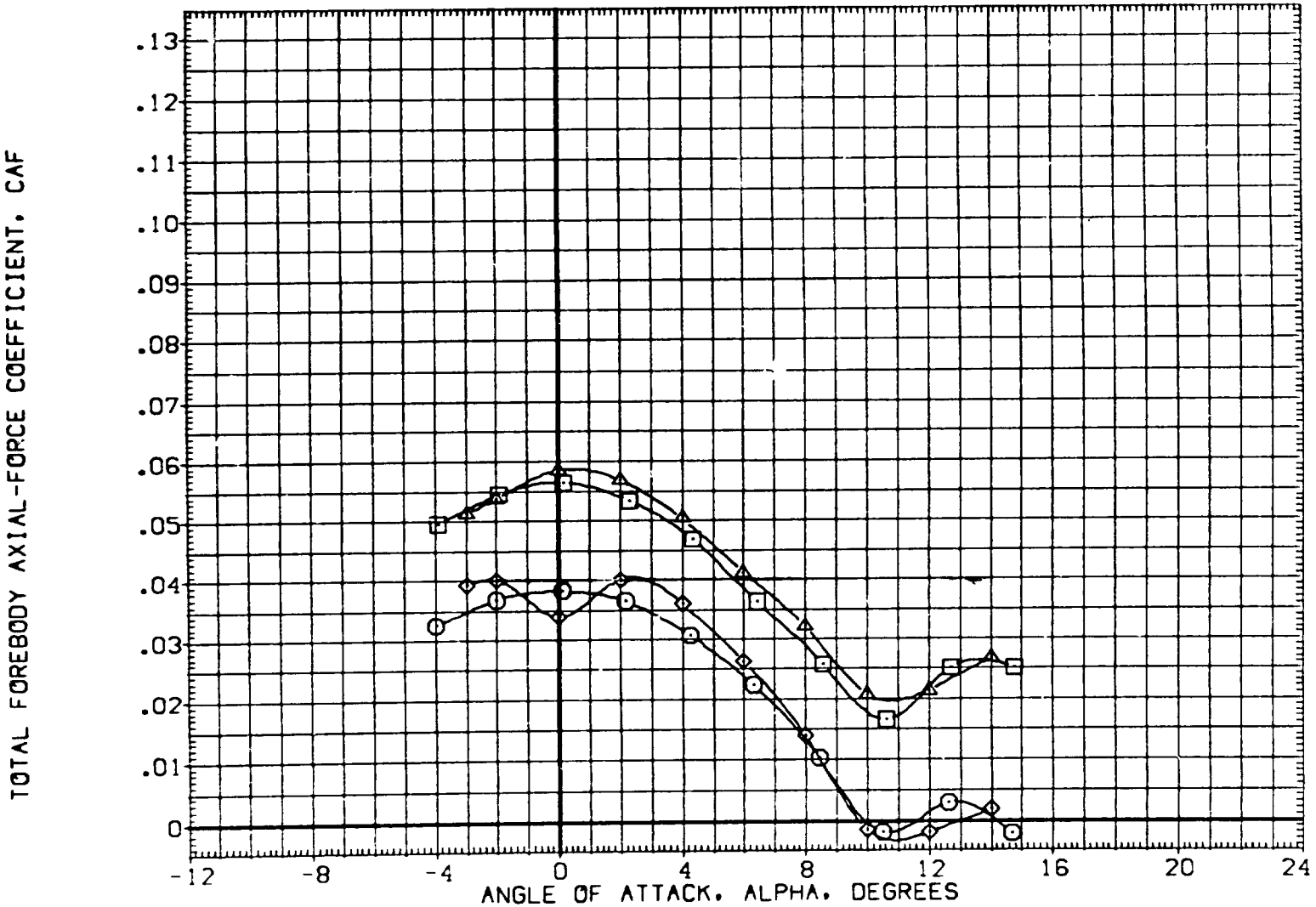


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

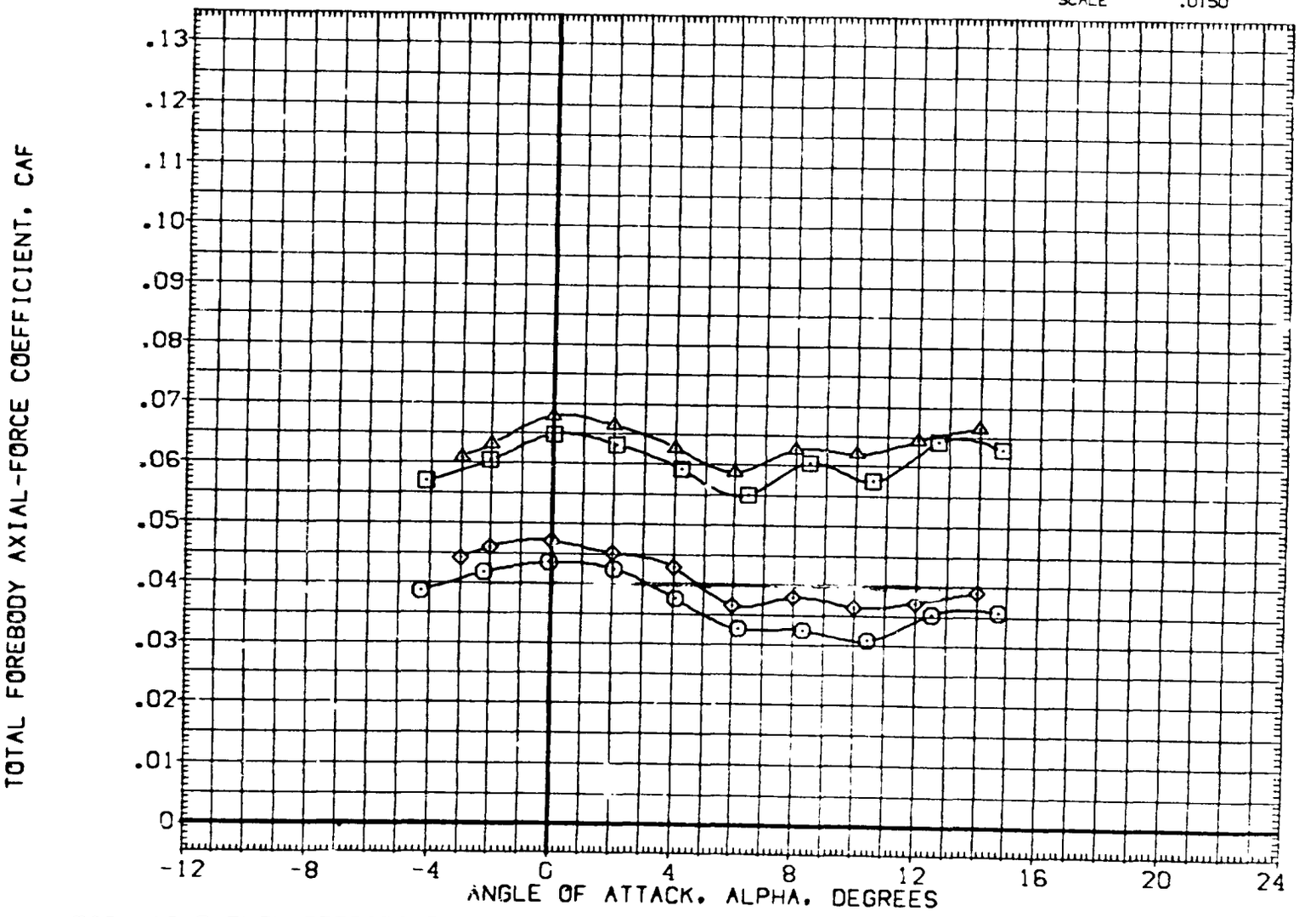


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

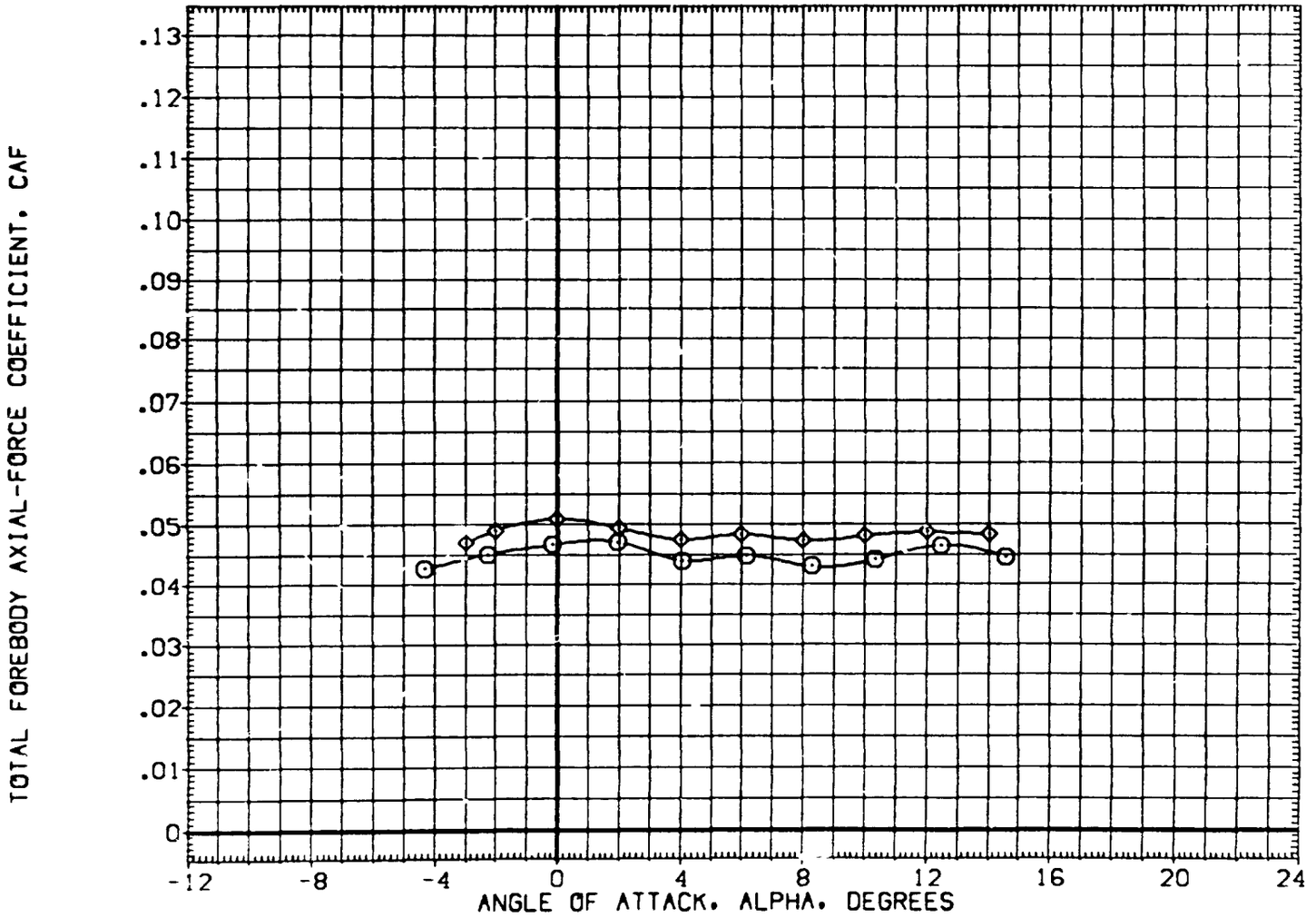


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

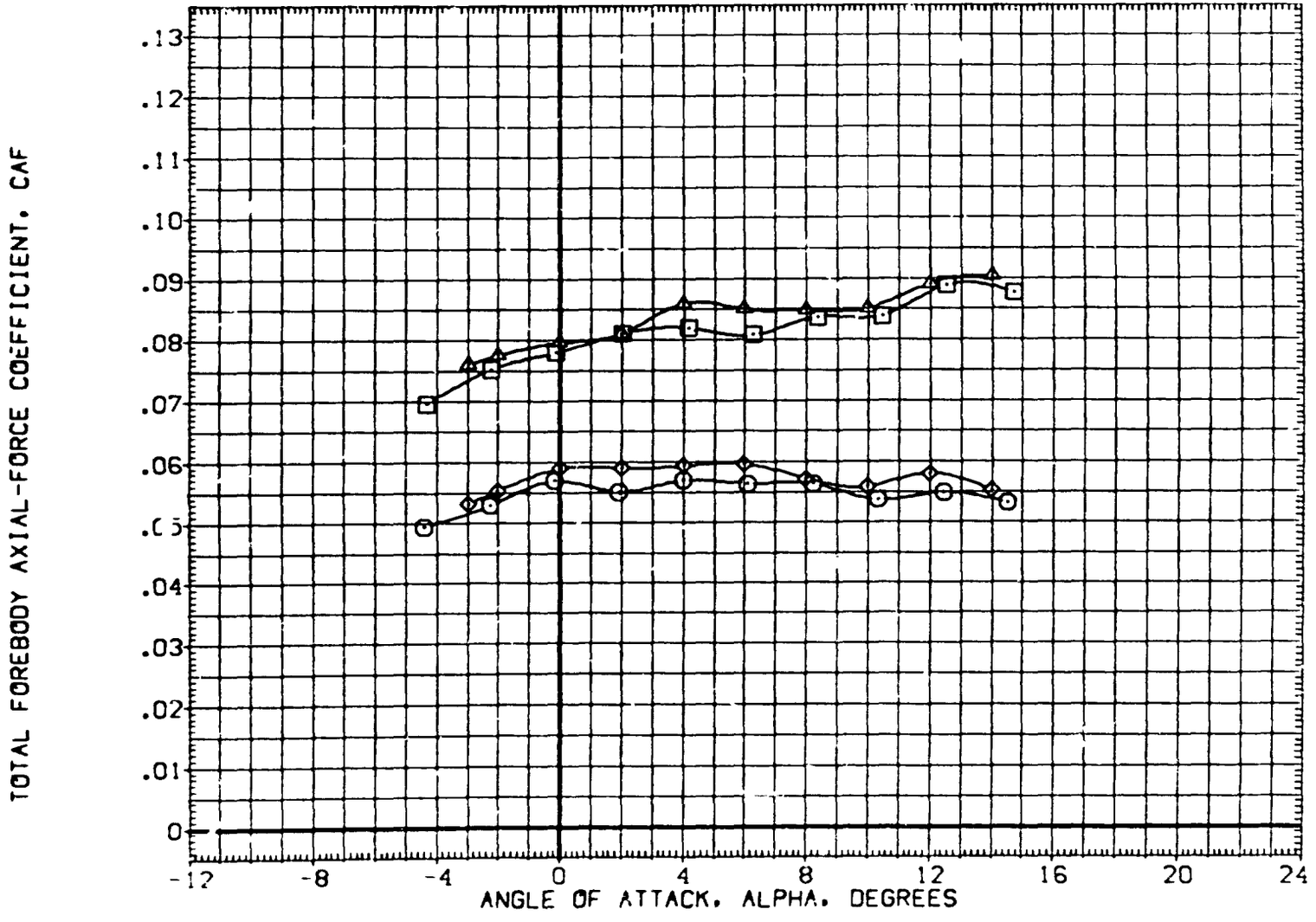


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)		ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)		DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

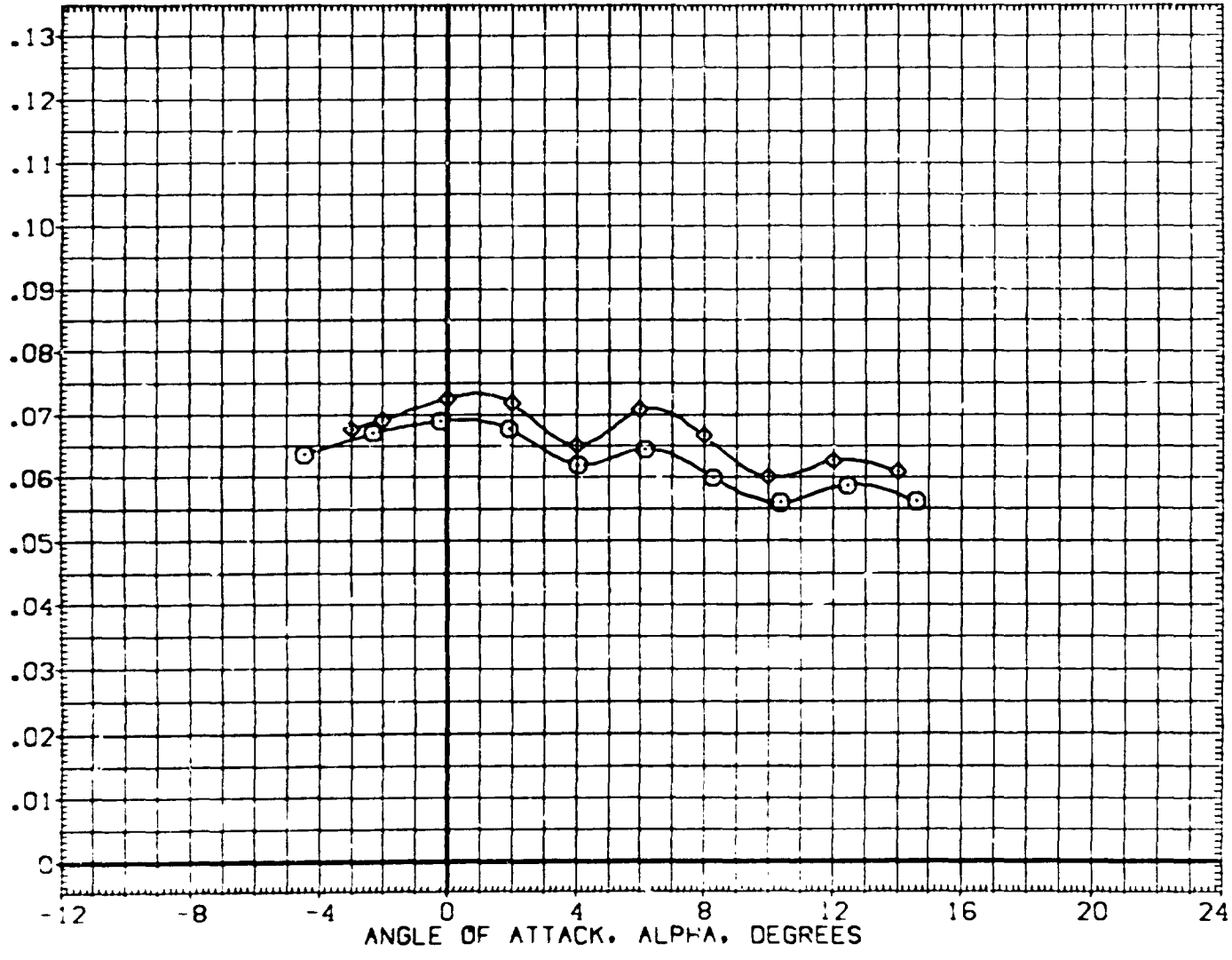


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO20)	○	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERO19)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO20)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0:50	

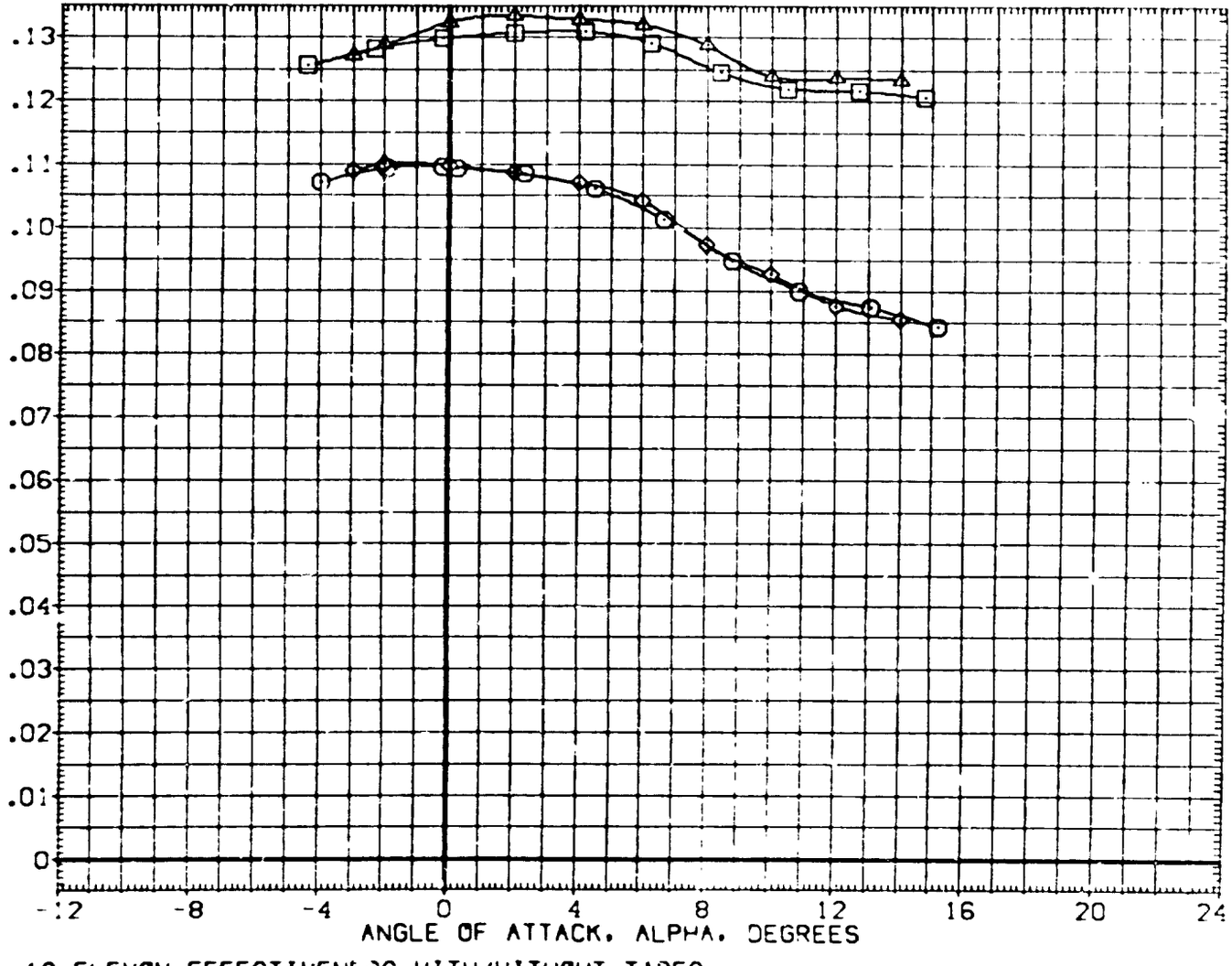


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)		ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3KR019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3LR020)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

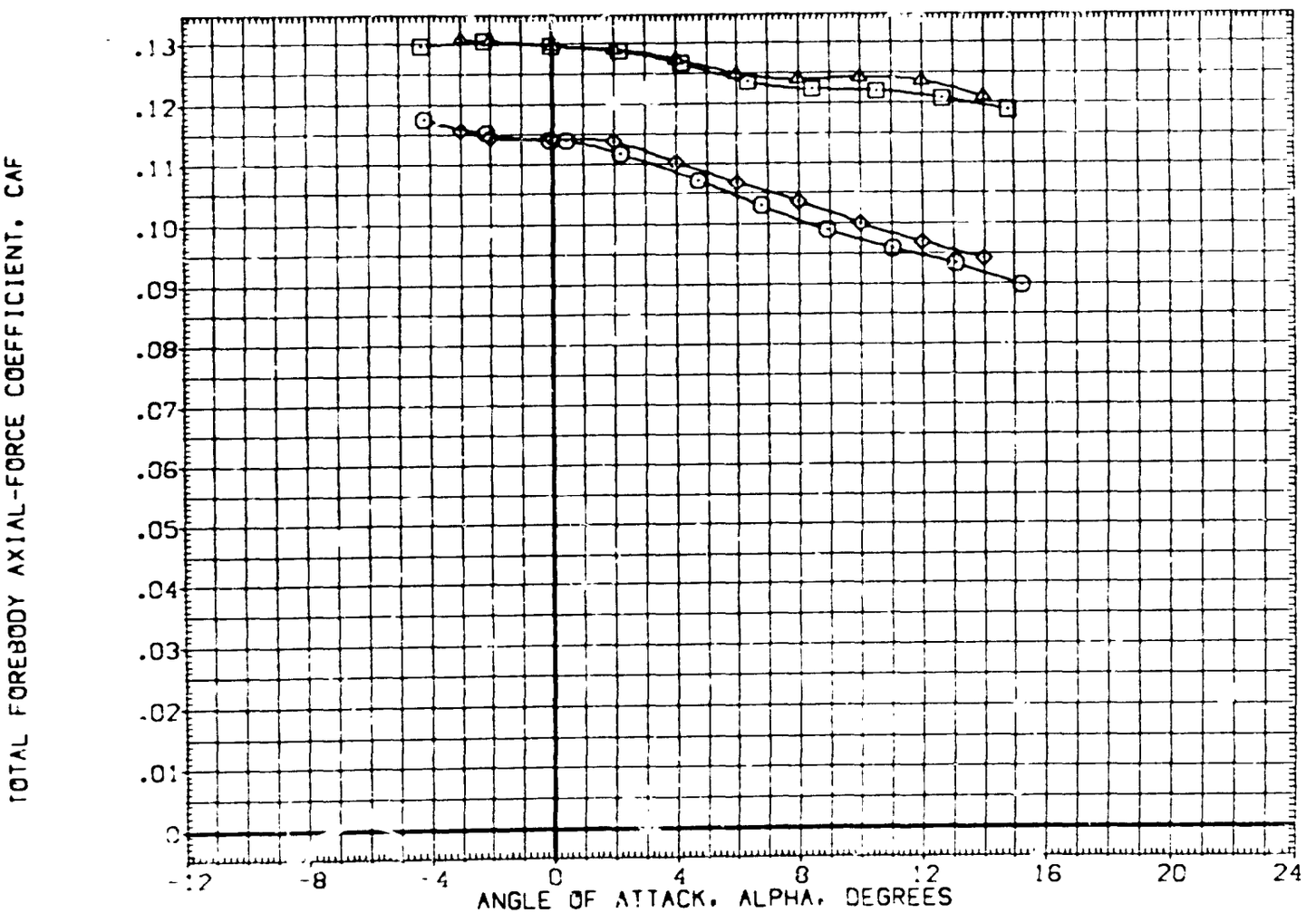


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

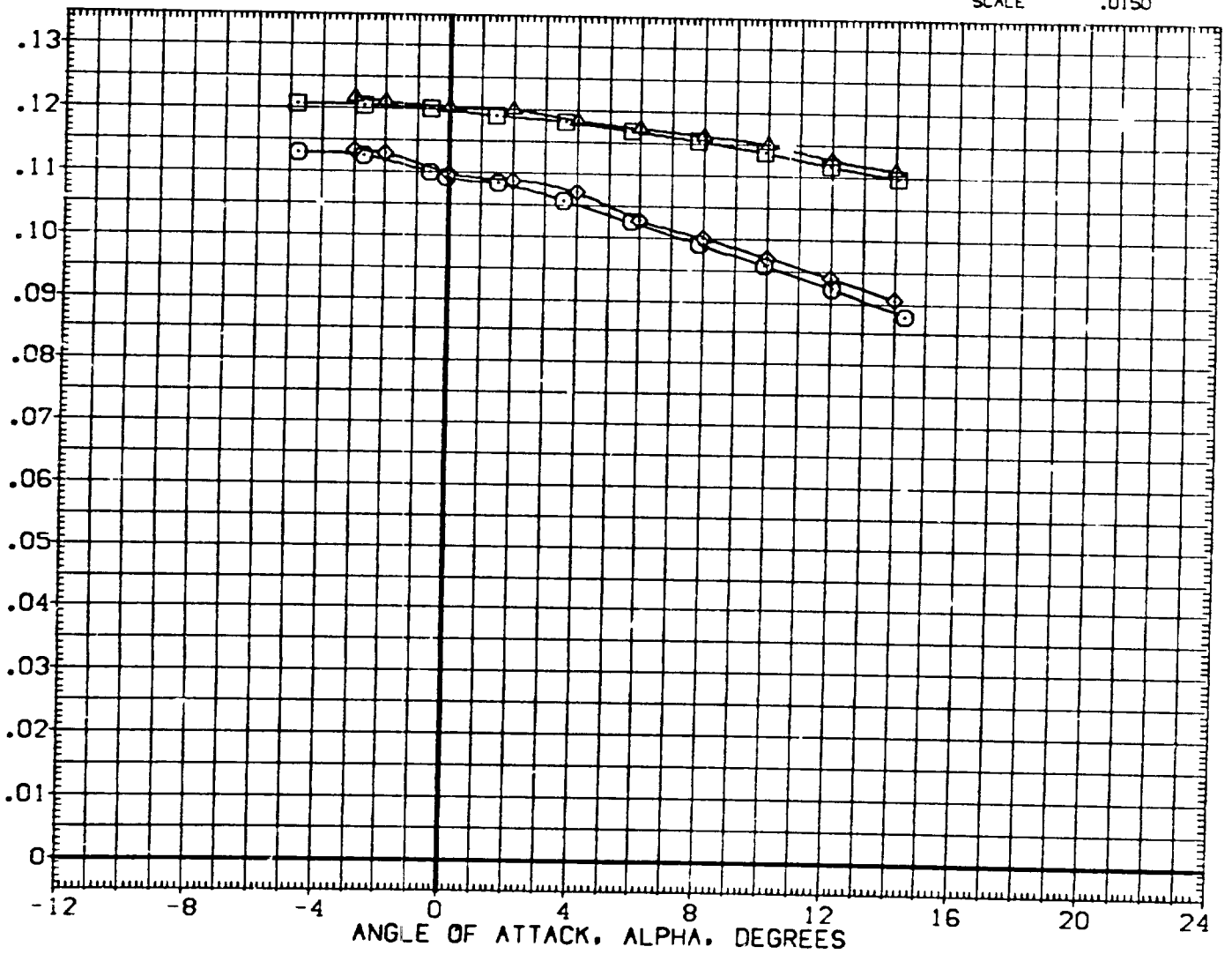


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	⧖	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

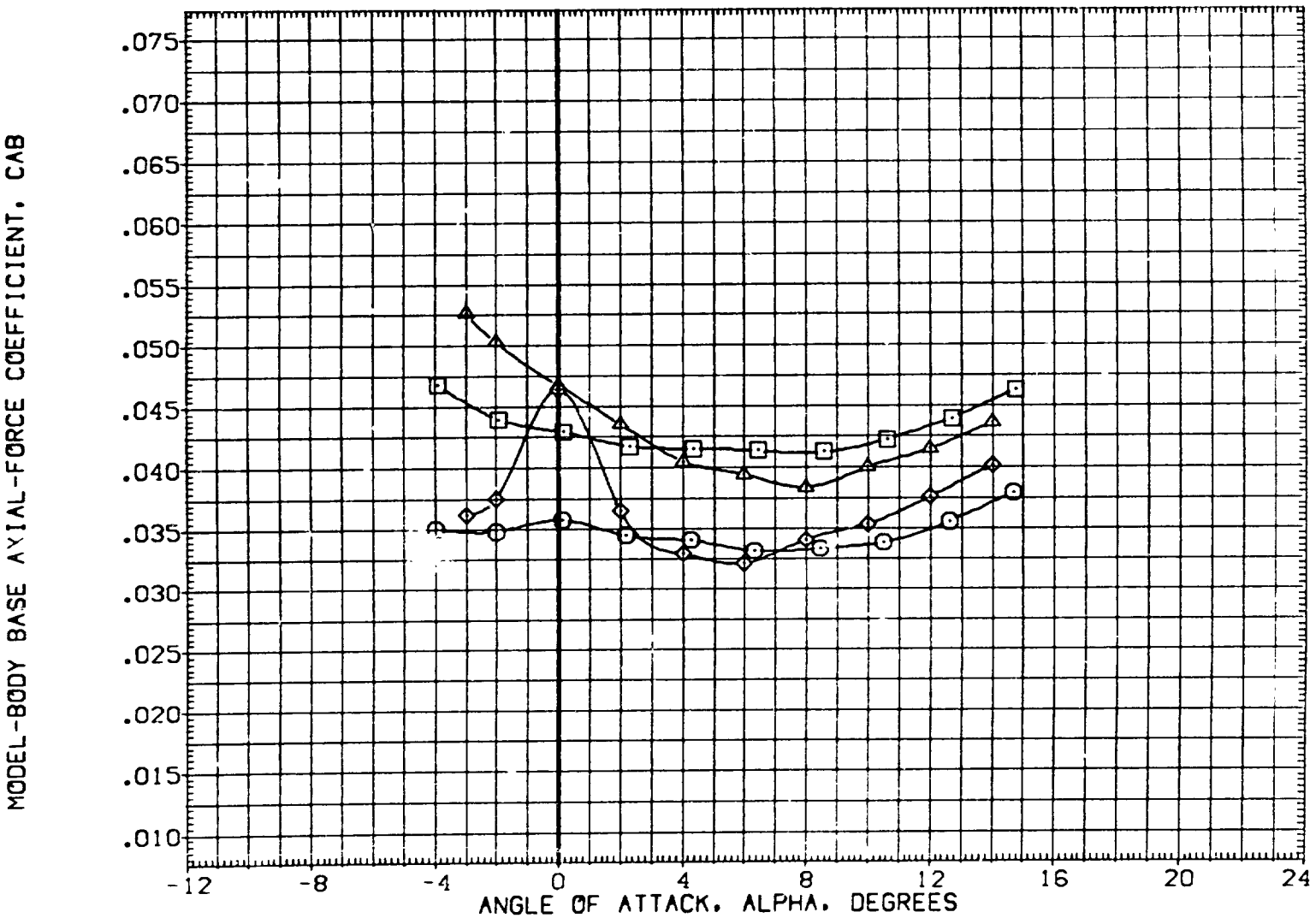


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

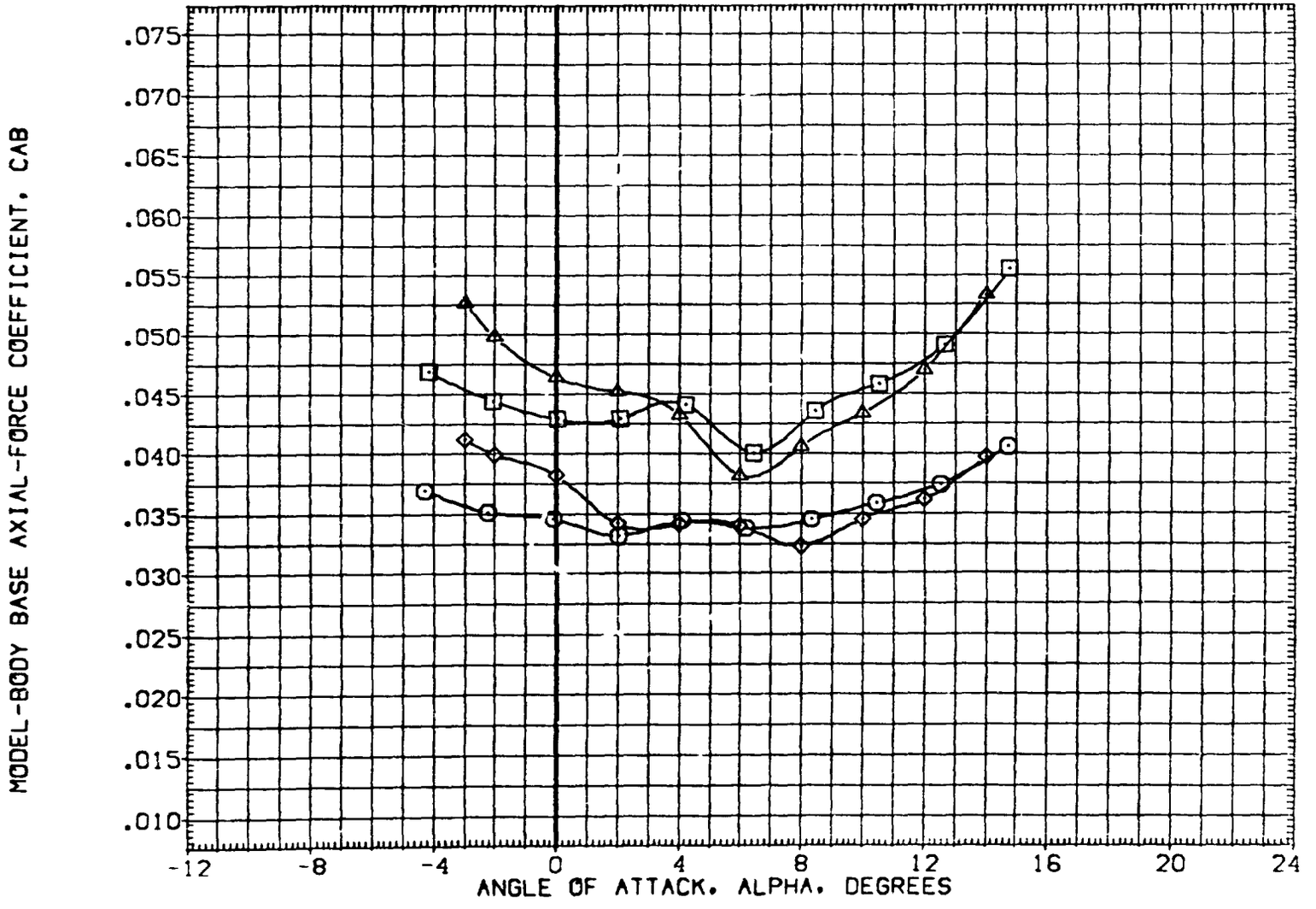


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MAC·' = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 CASE CALIA-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 CASE CALIA-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	⧖	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

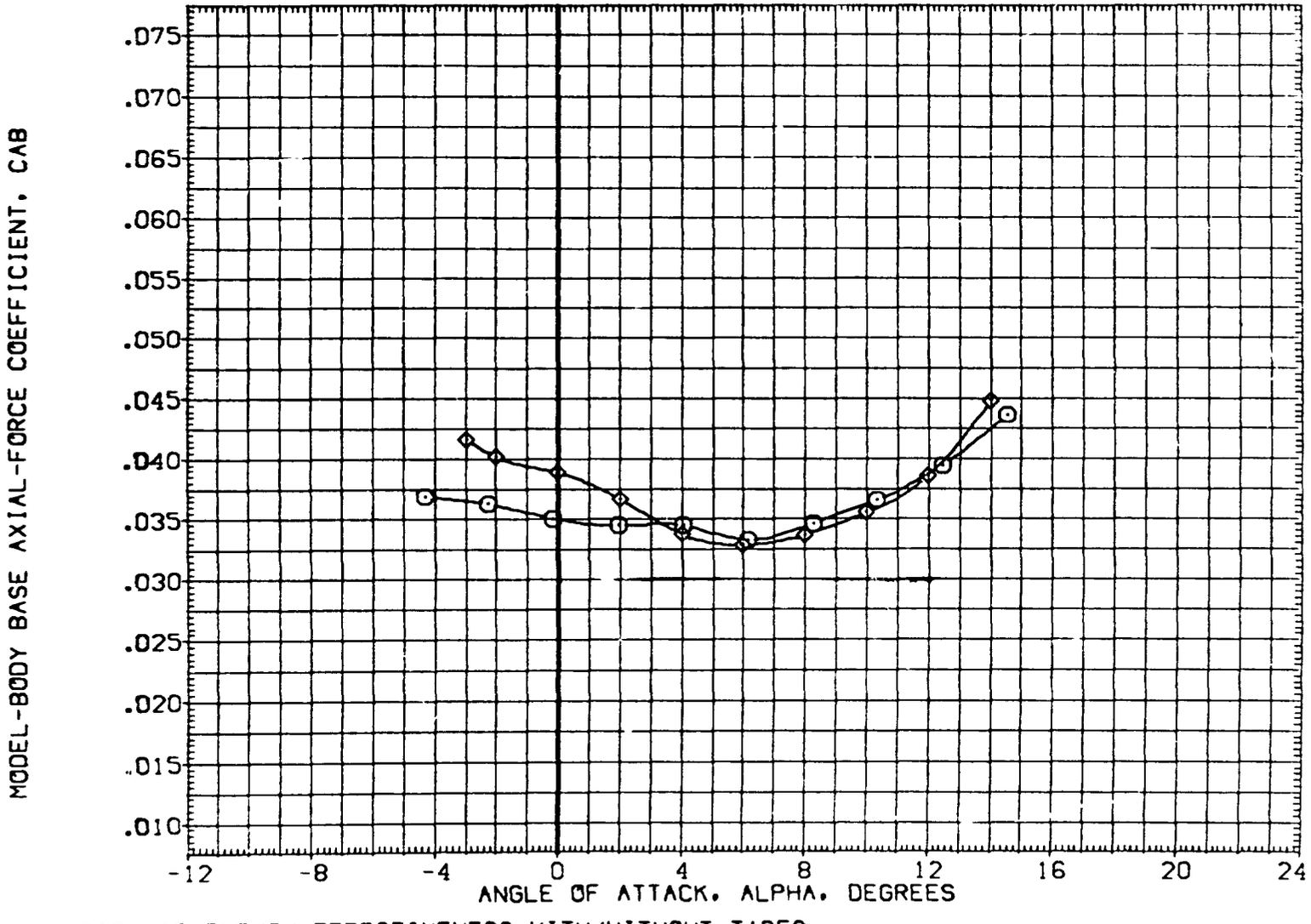


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERC19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERC20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ERC19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERC20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

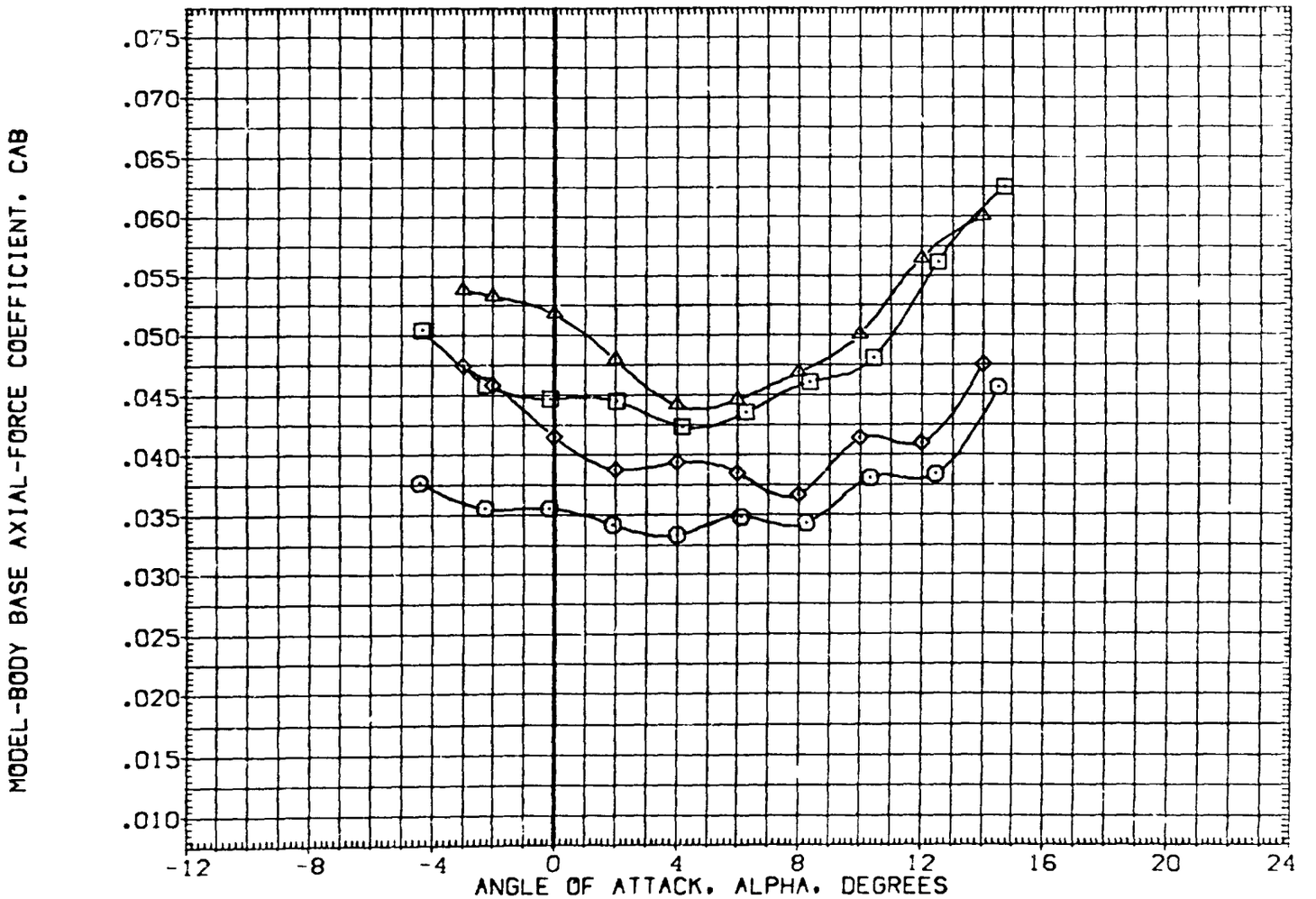


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

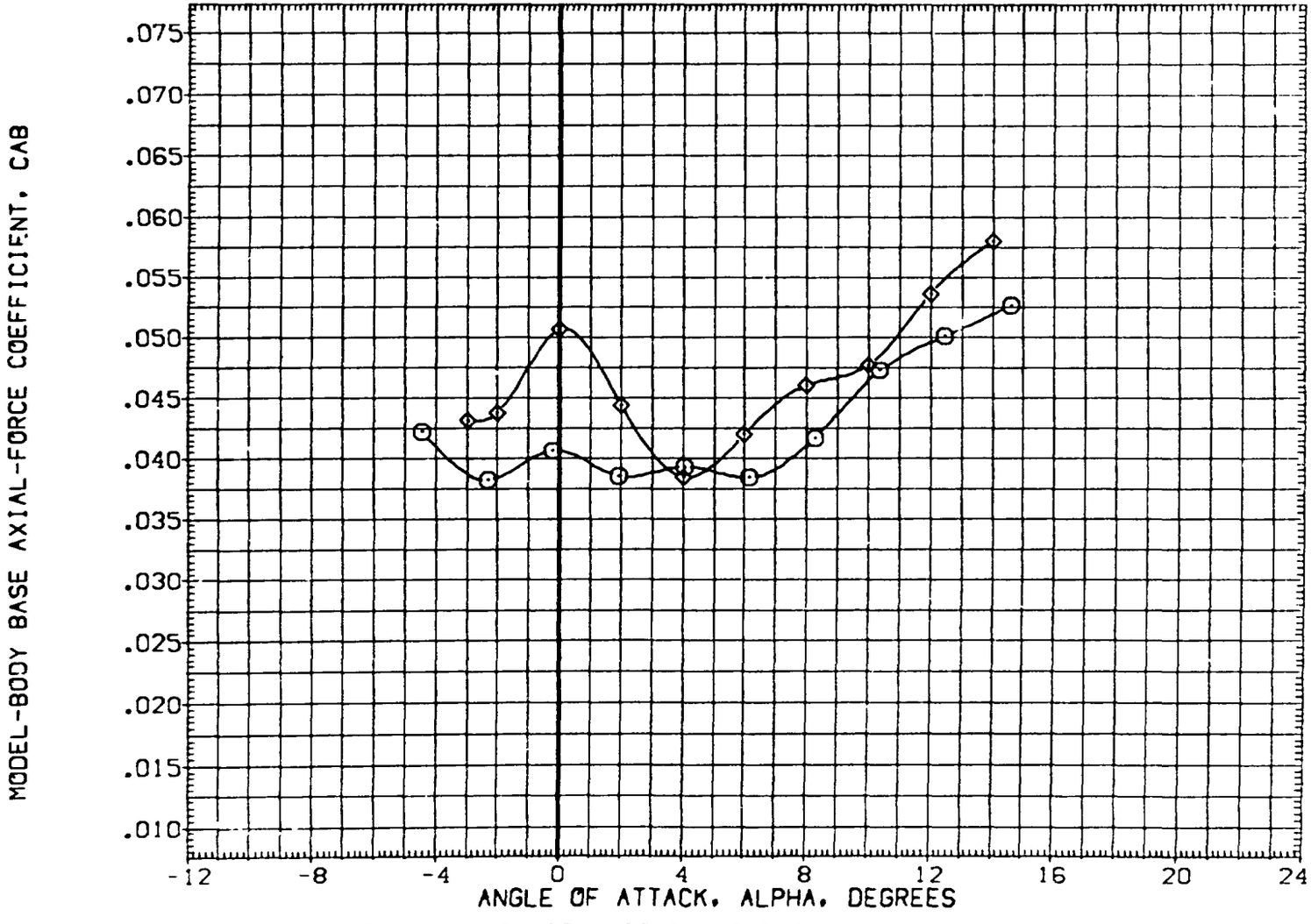


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.3053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

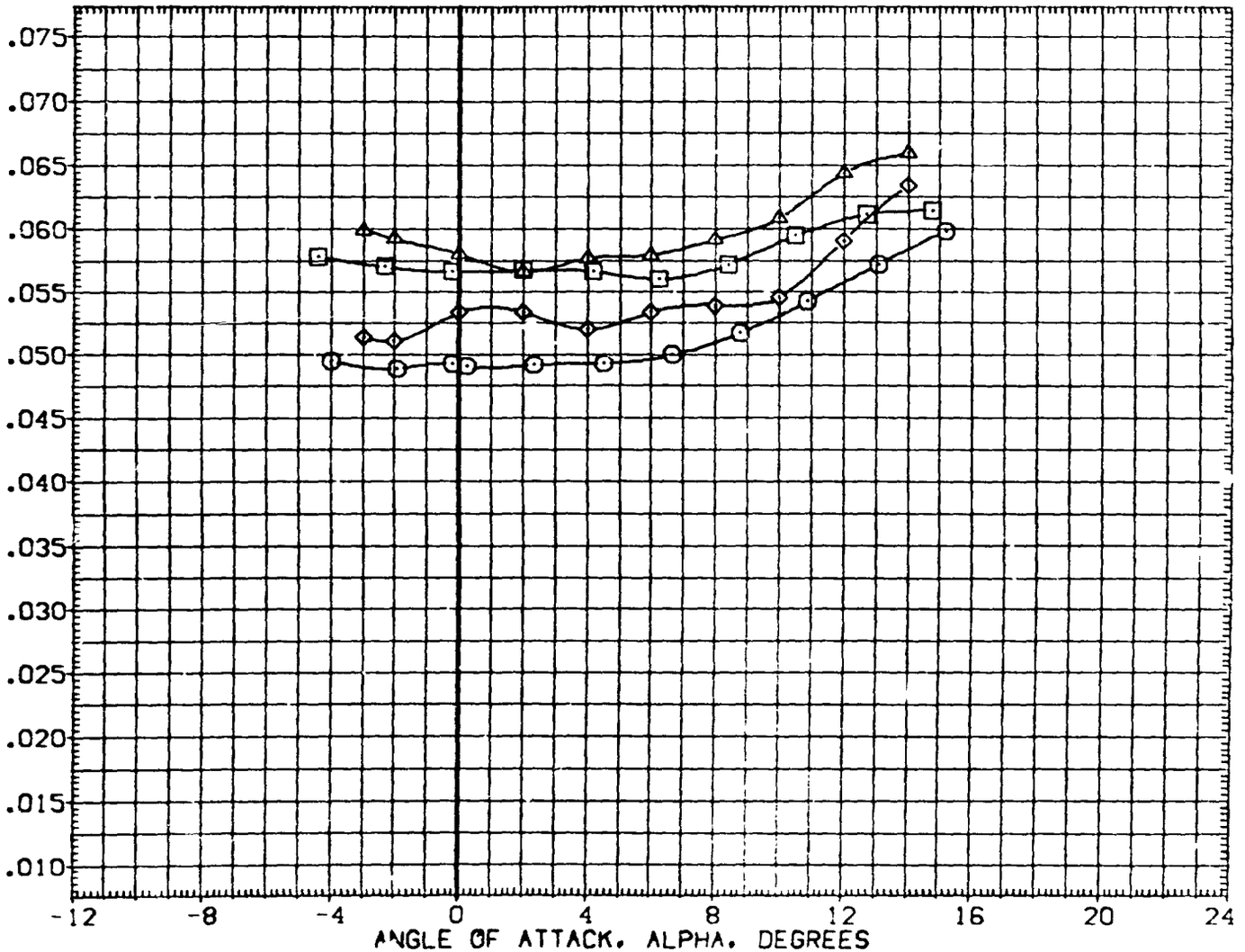


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH - 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	⊡	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

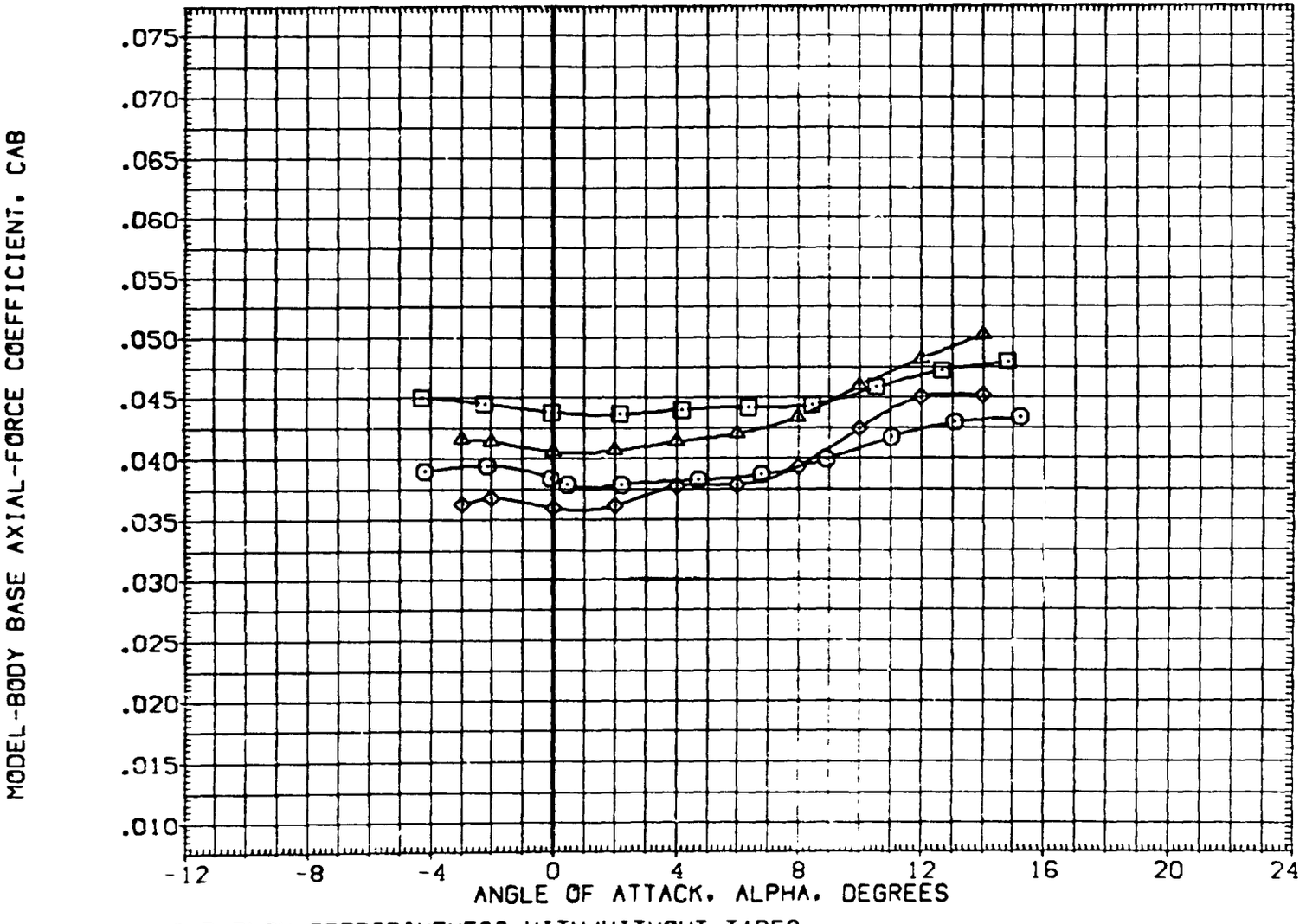


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(3ER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

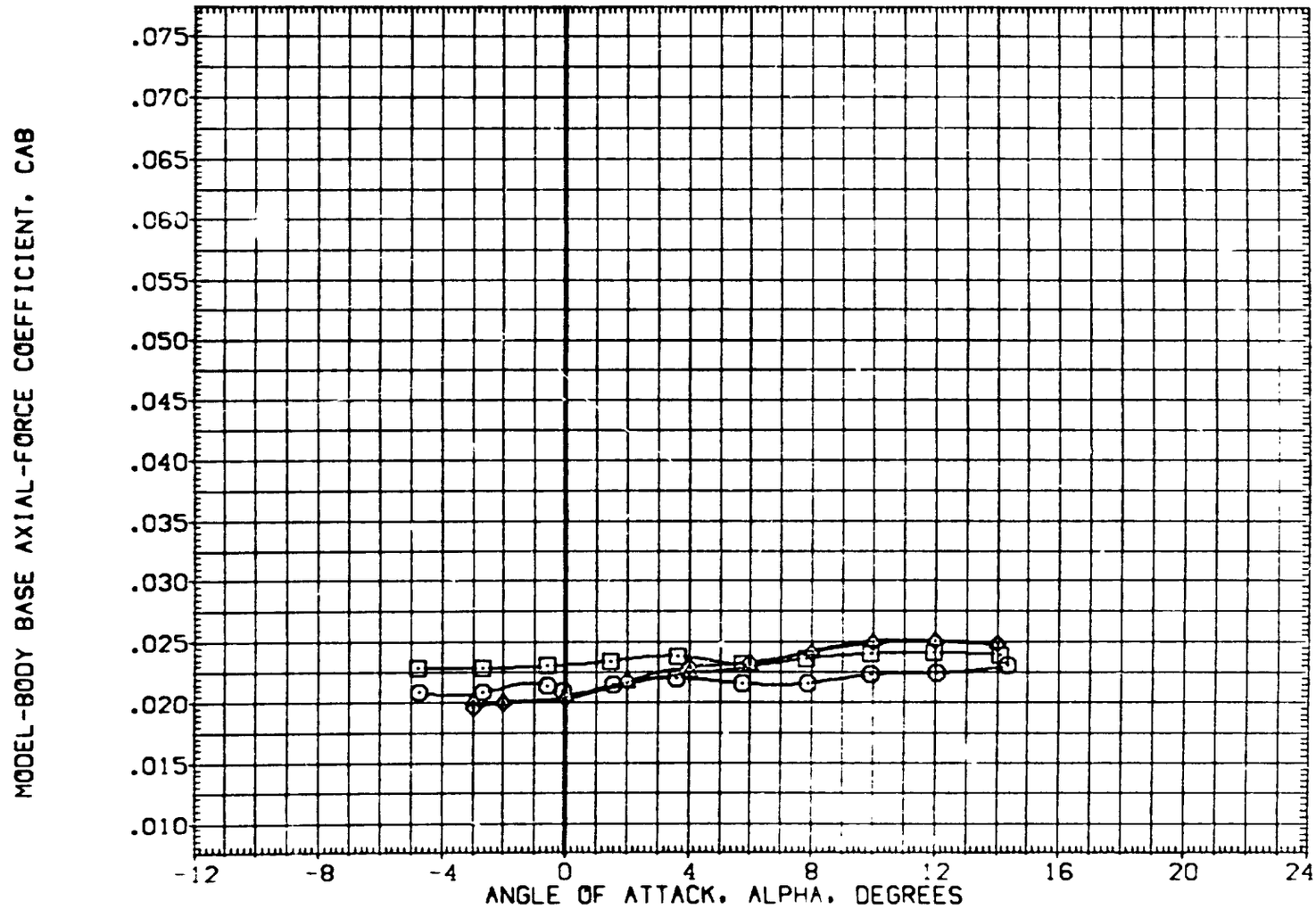


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

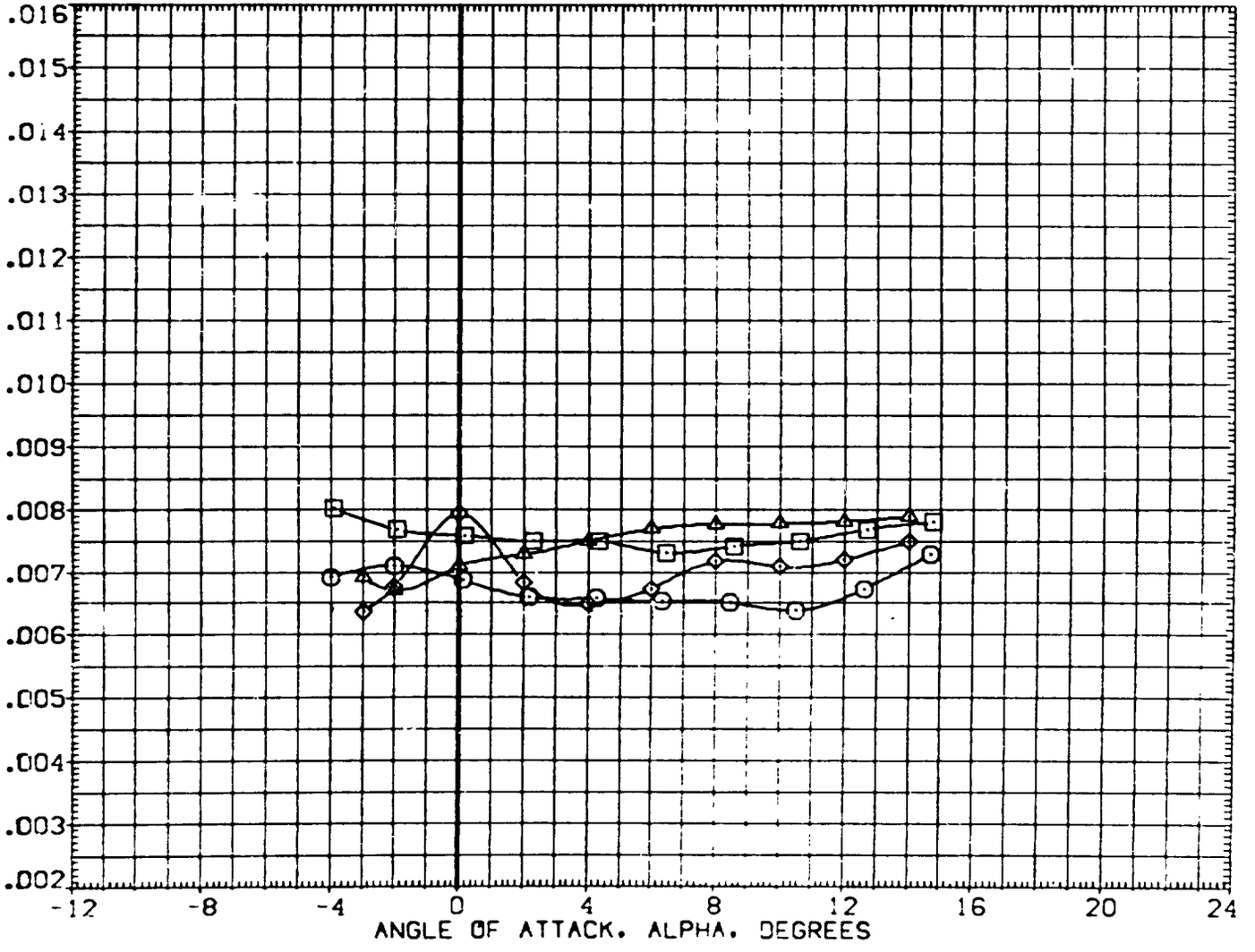


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

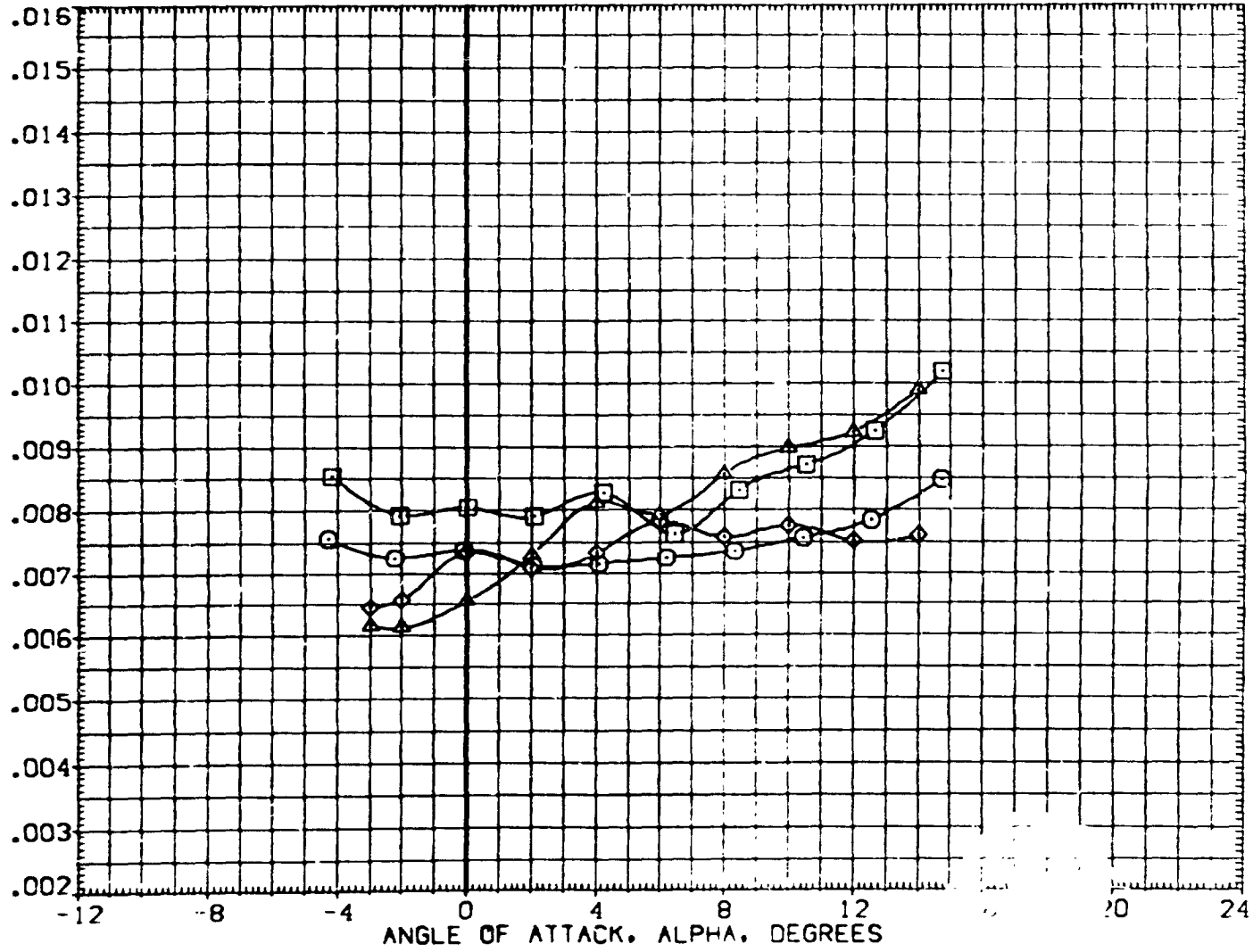


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

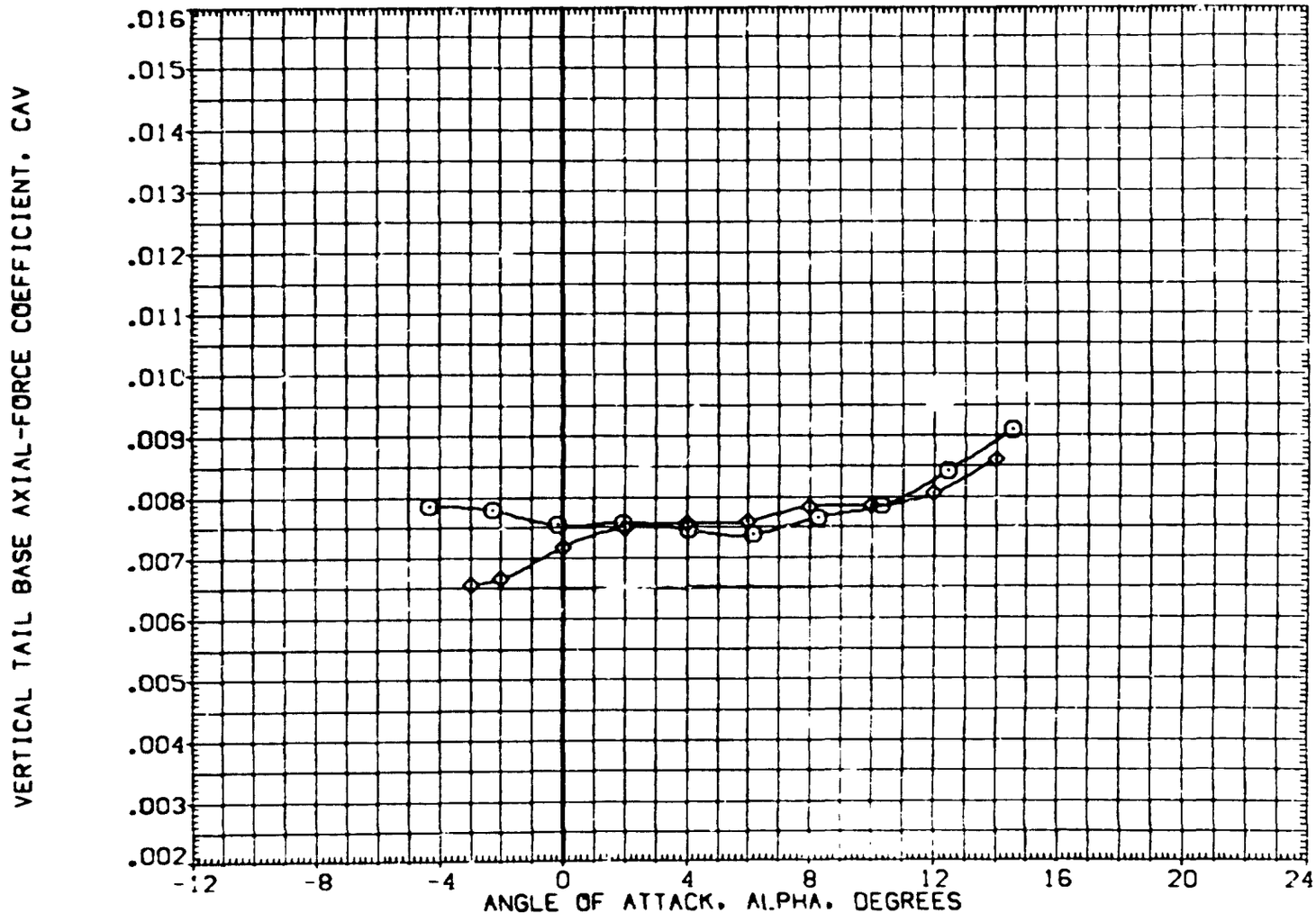


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66 709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5835	FT.
BREF	1.1710	FT.
XMRP	12.6055	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

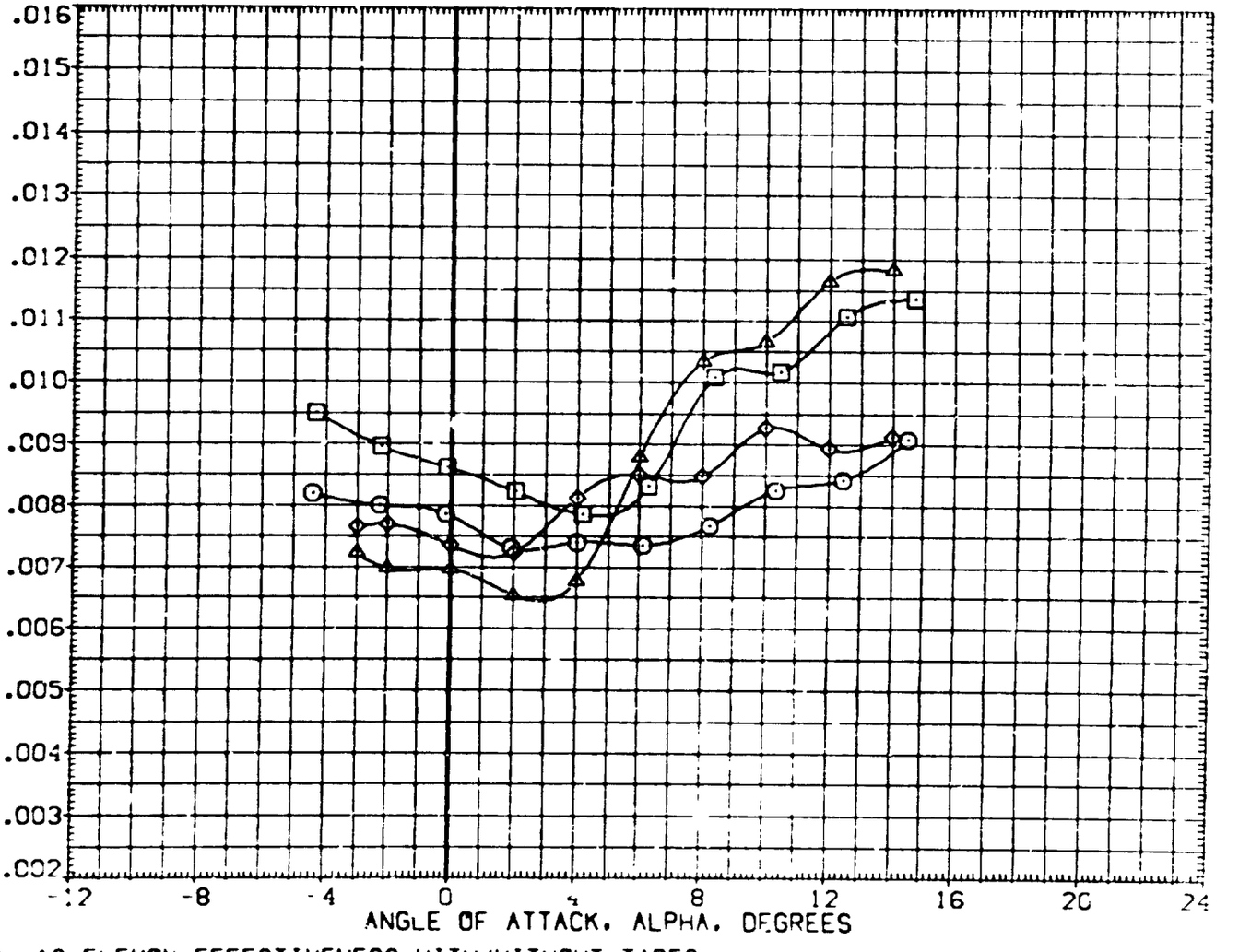


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MAC .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

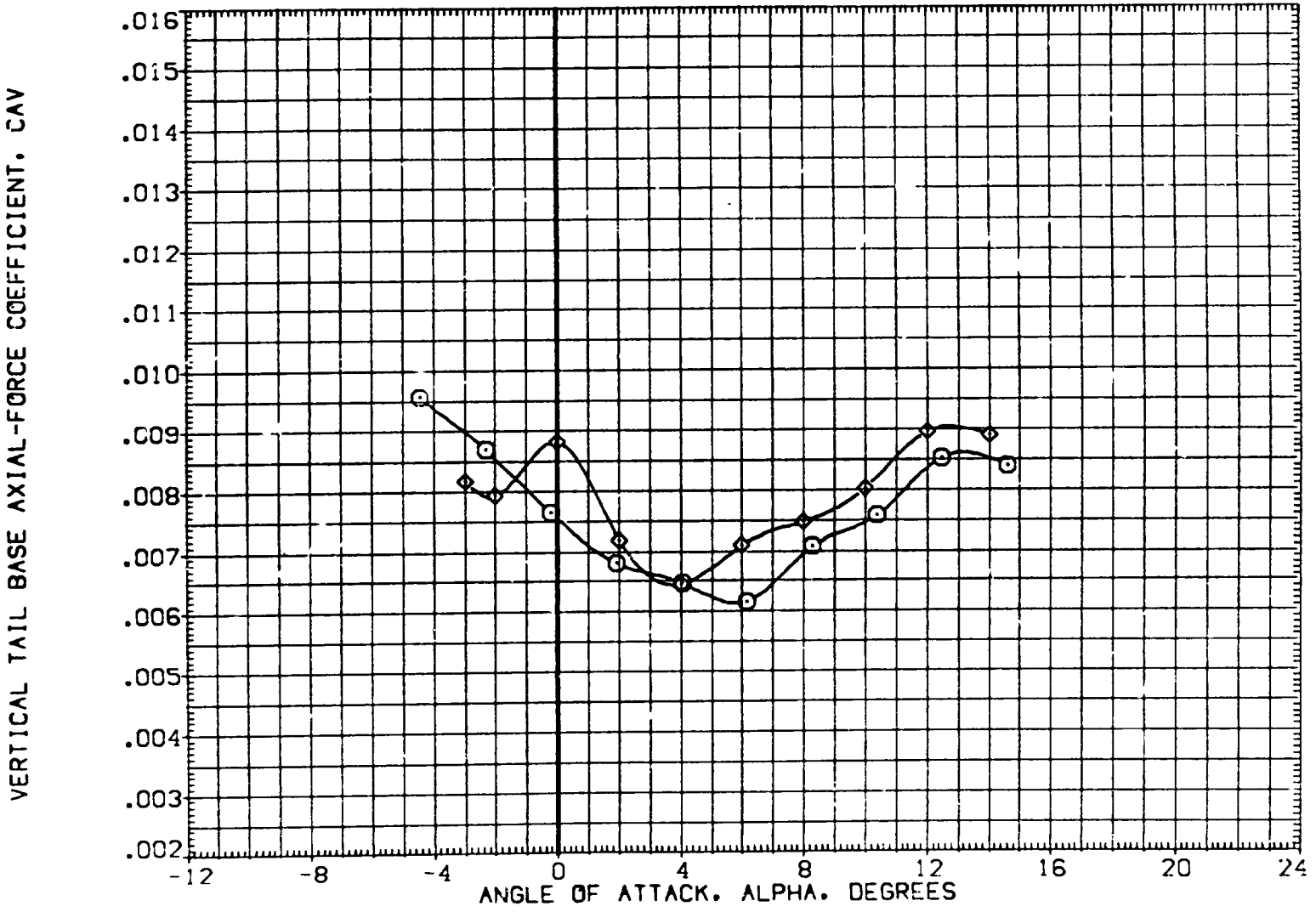


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER018)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5835	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

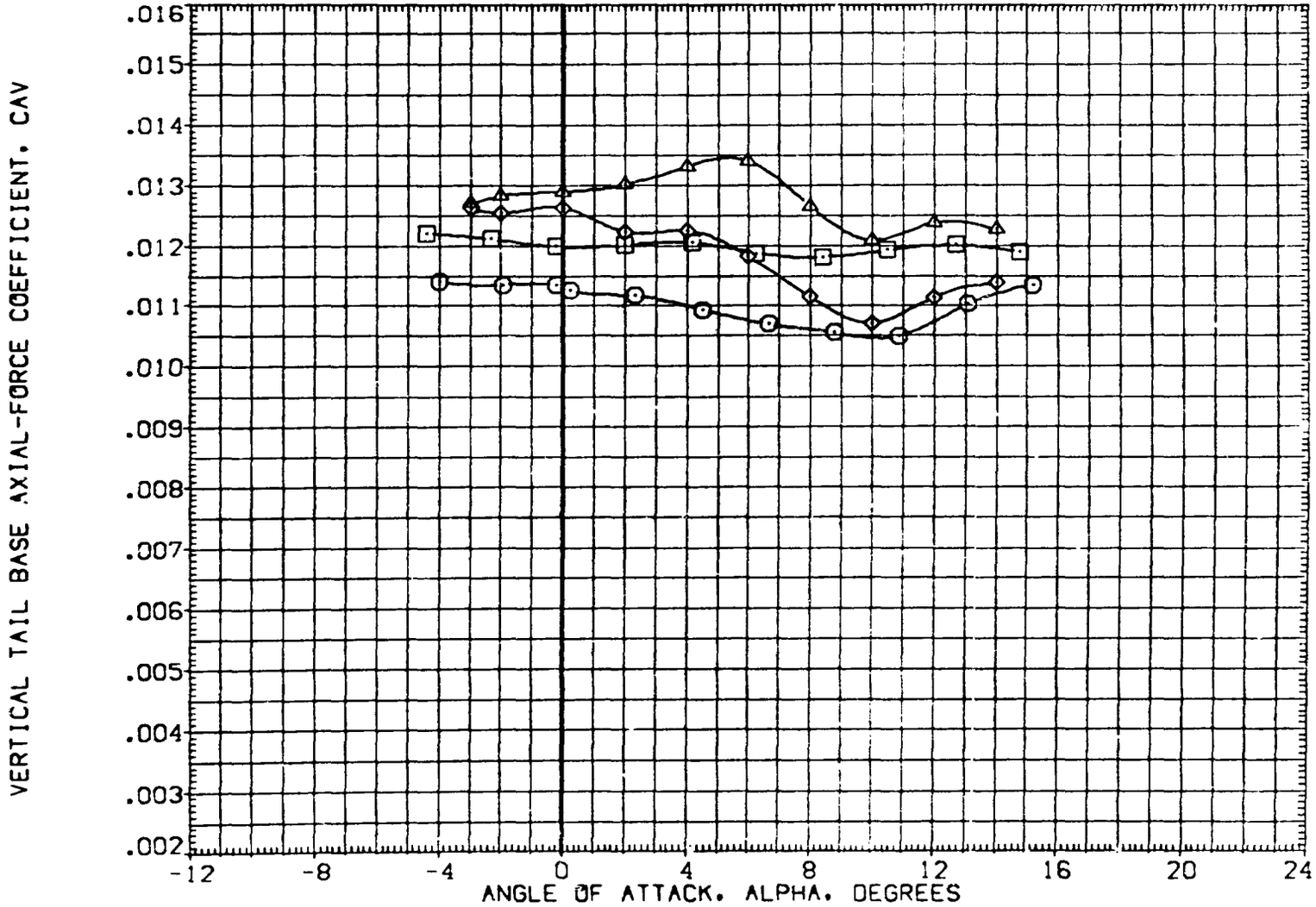


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

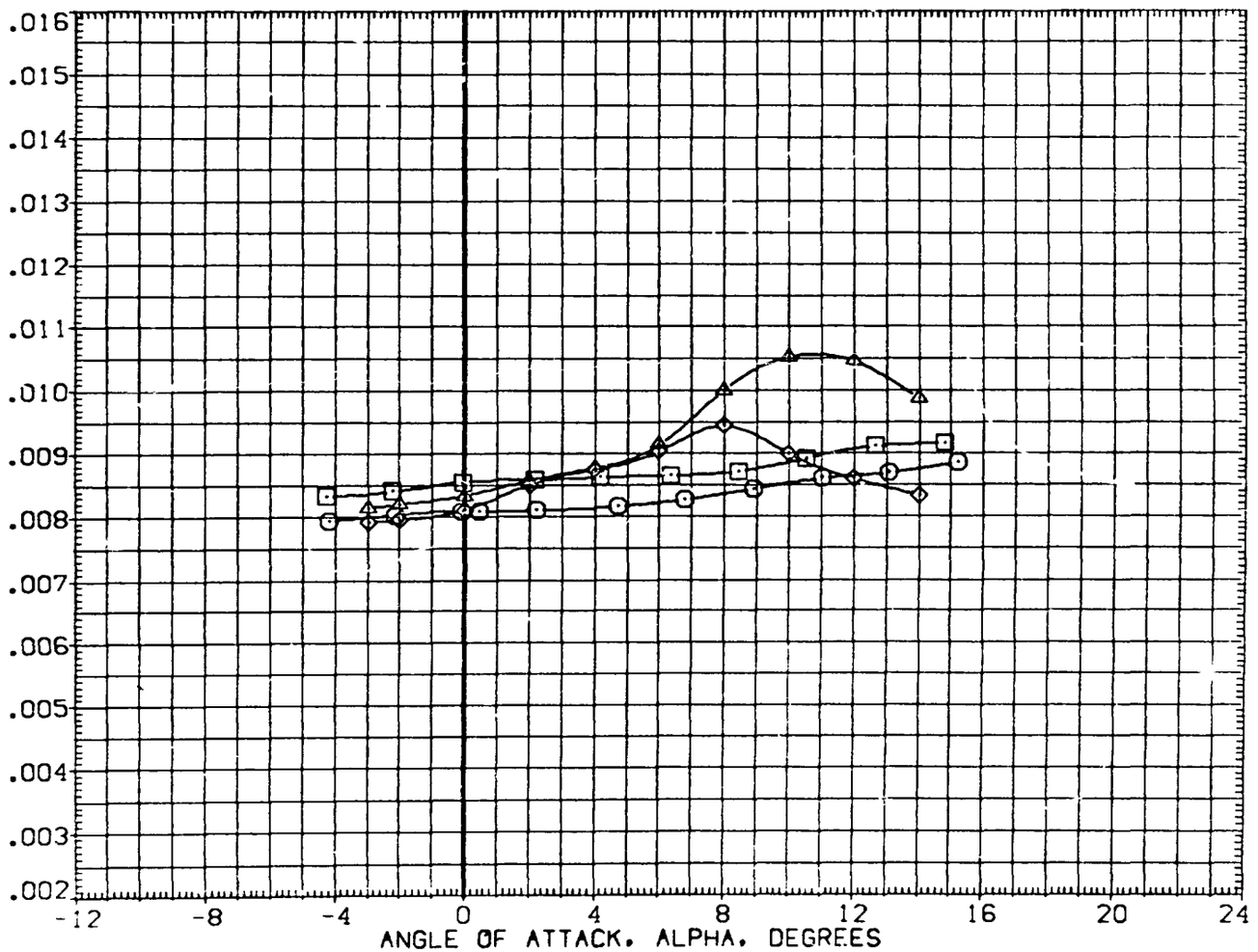


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

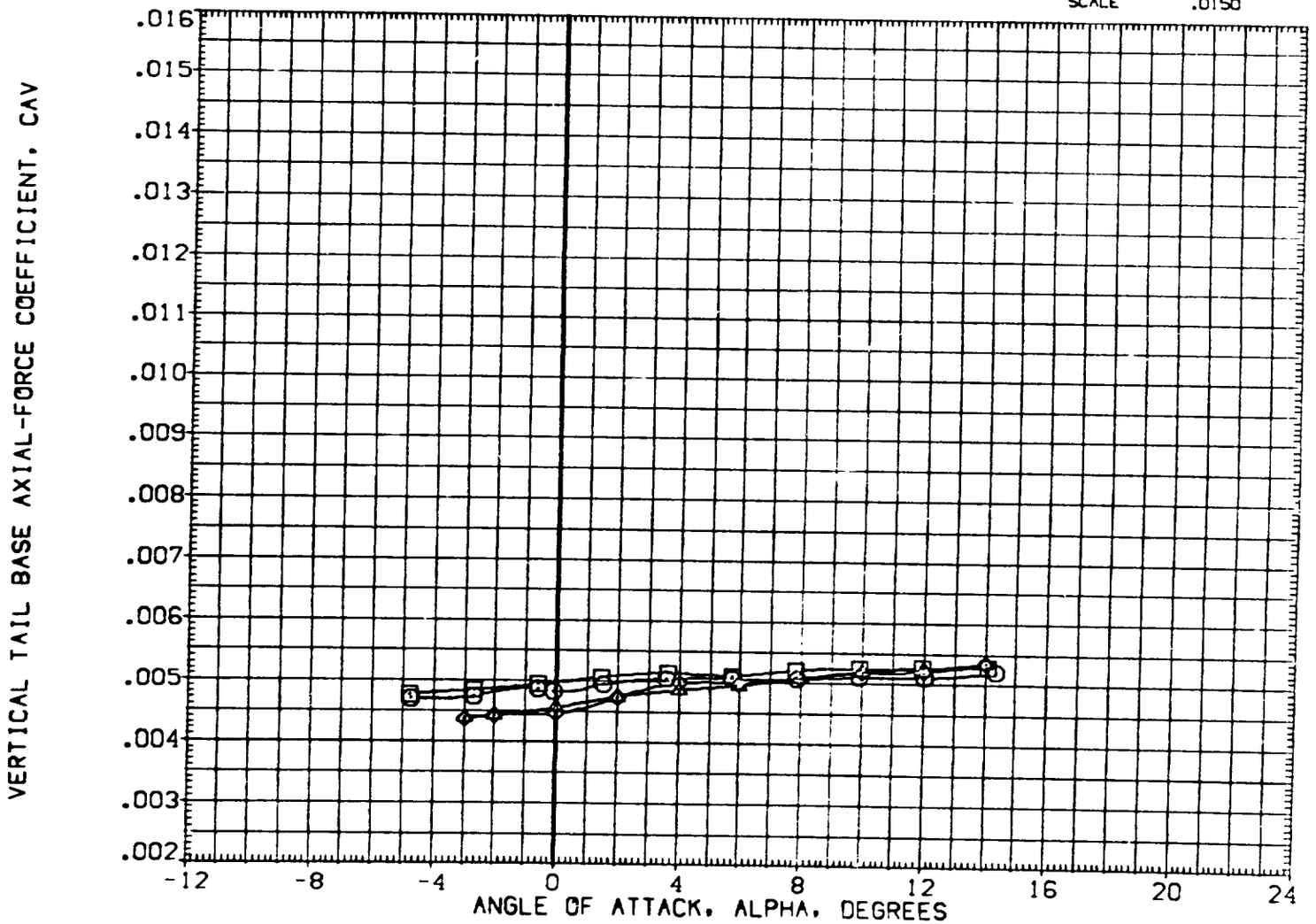


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

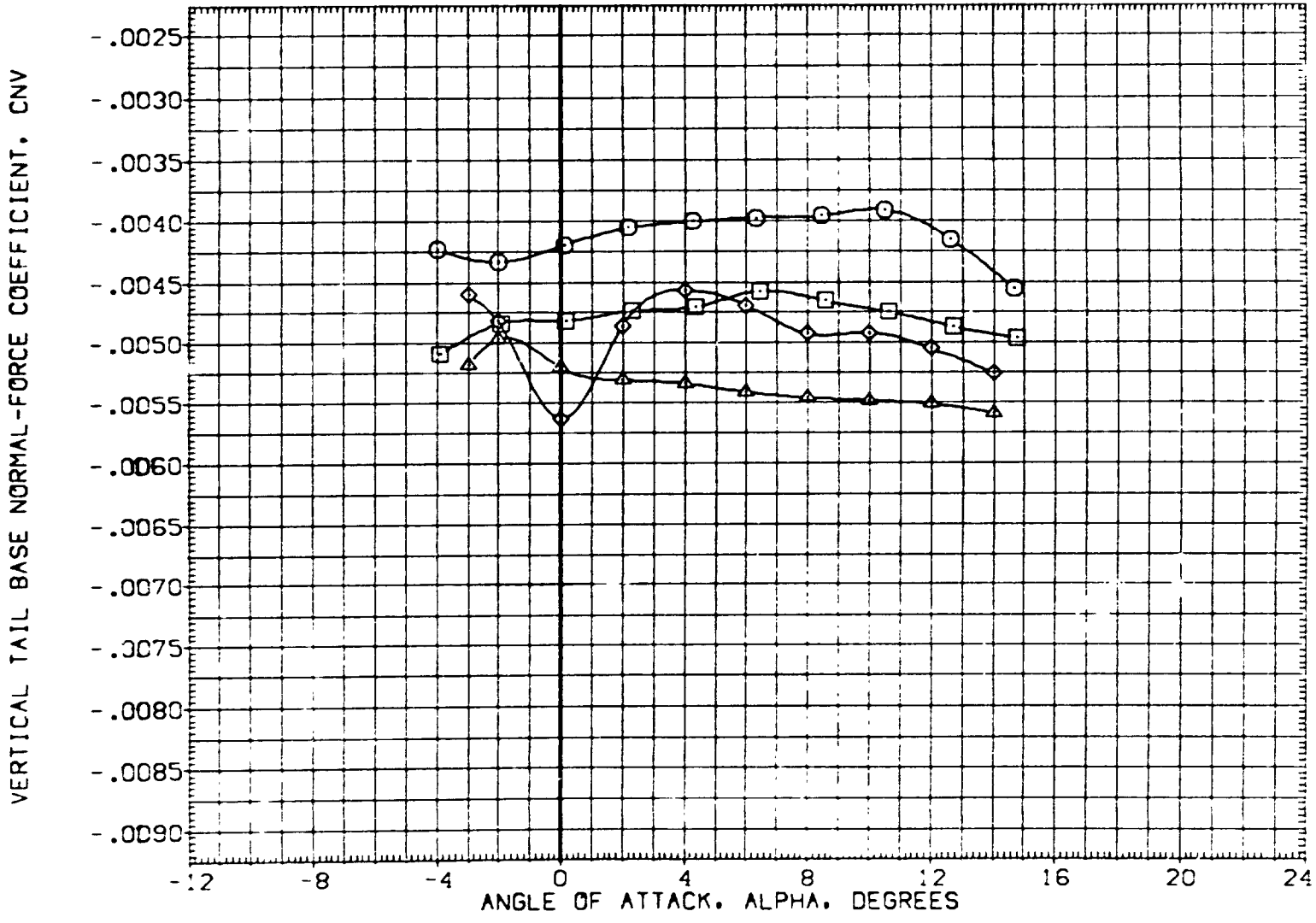


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

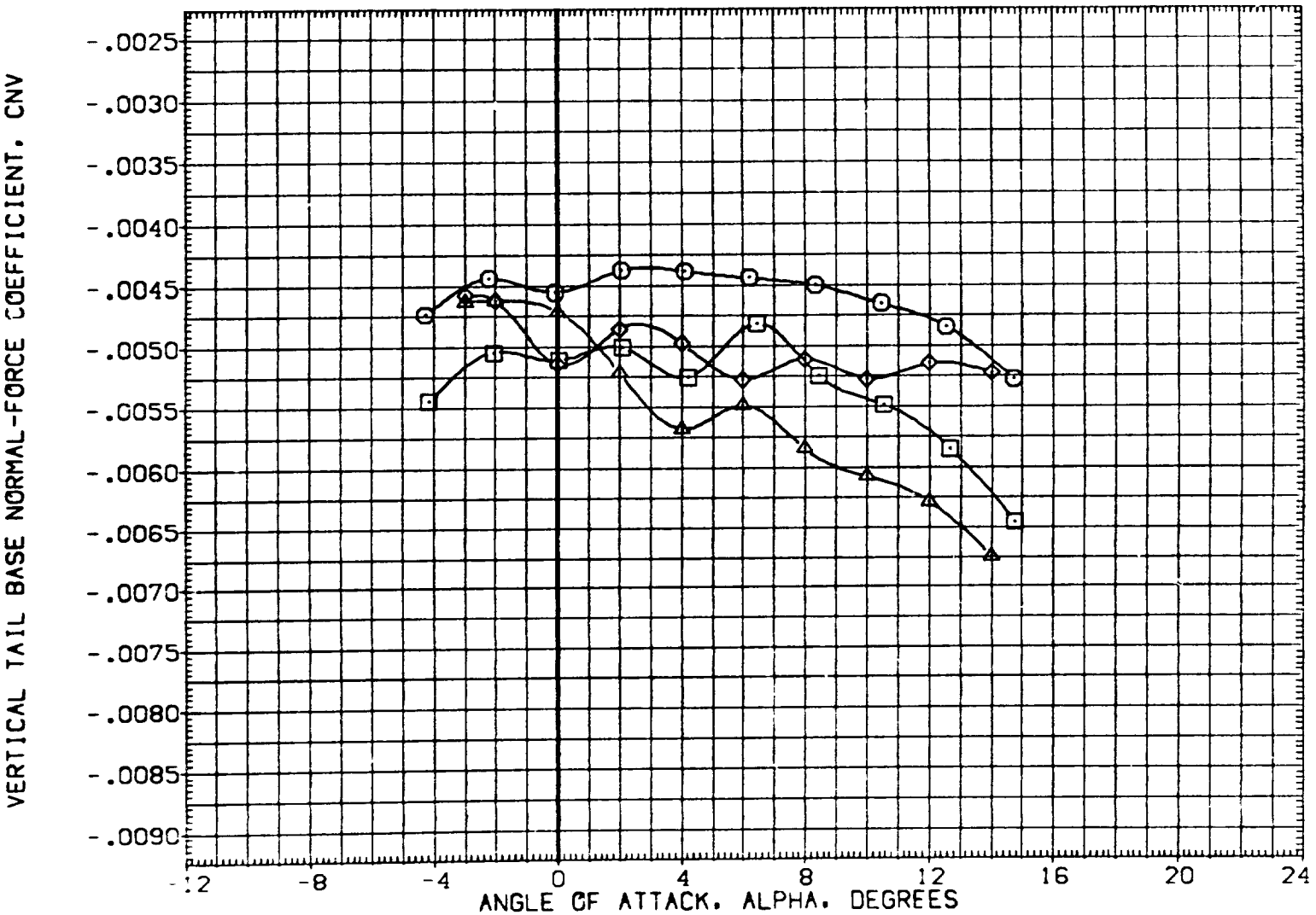


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

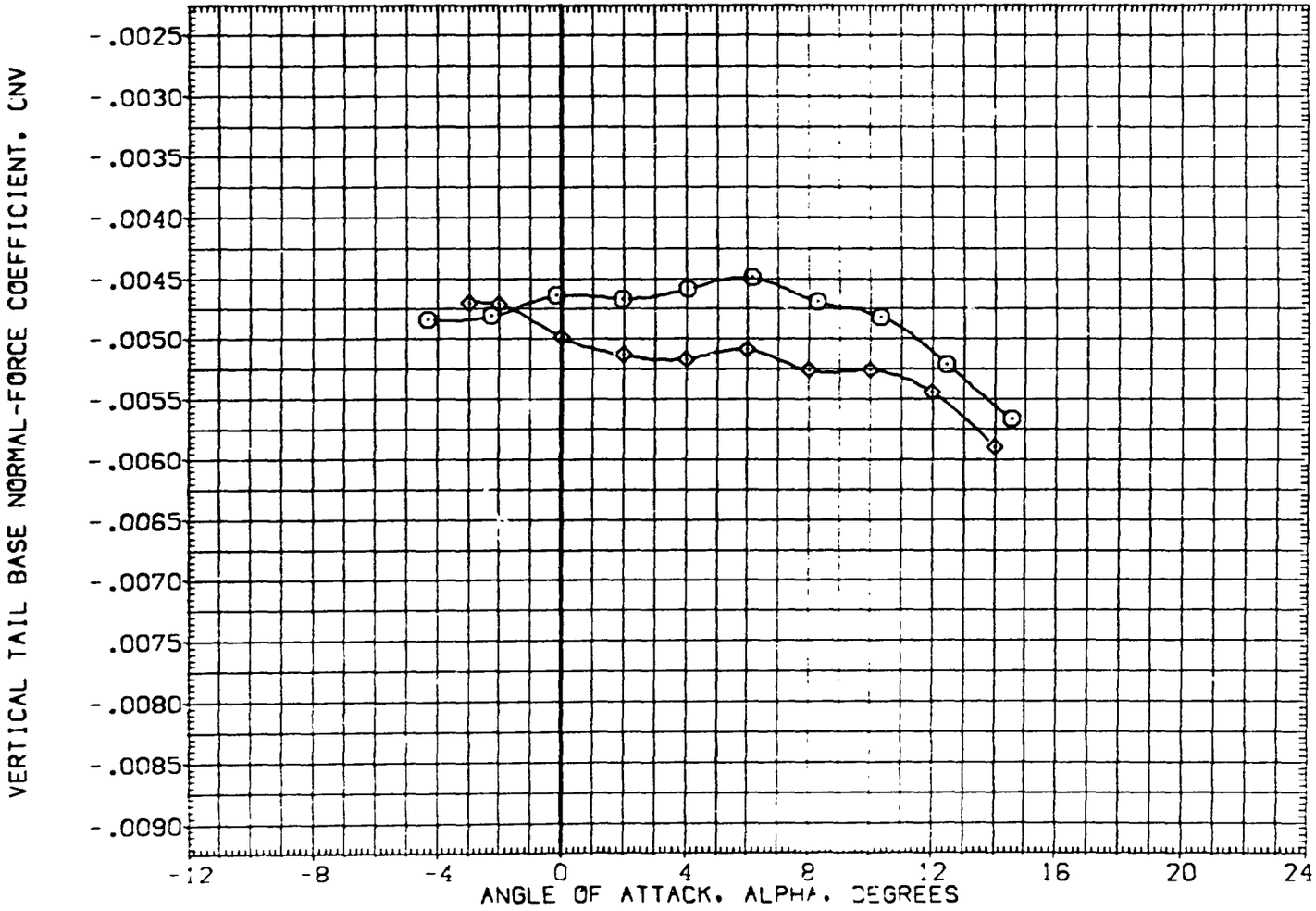


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BFRO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BFRO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2FRO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2FRO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

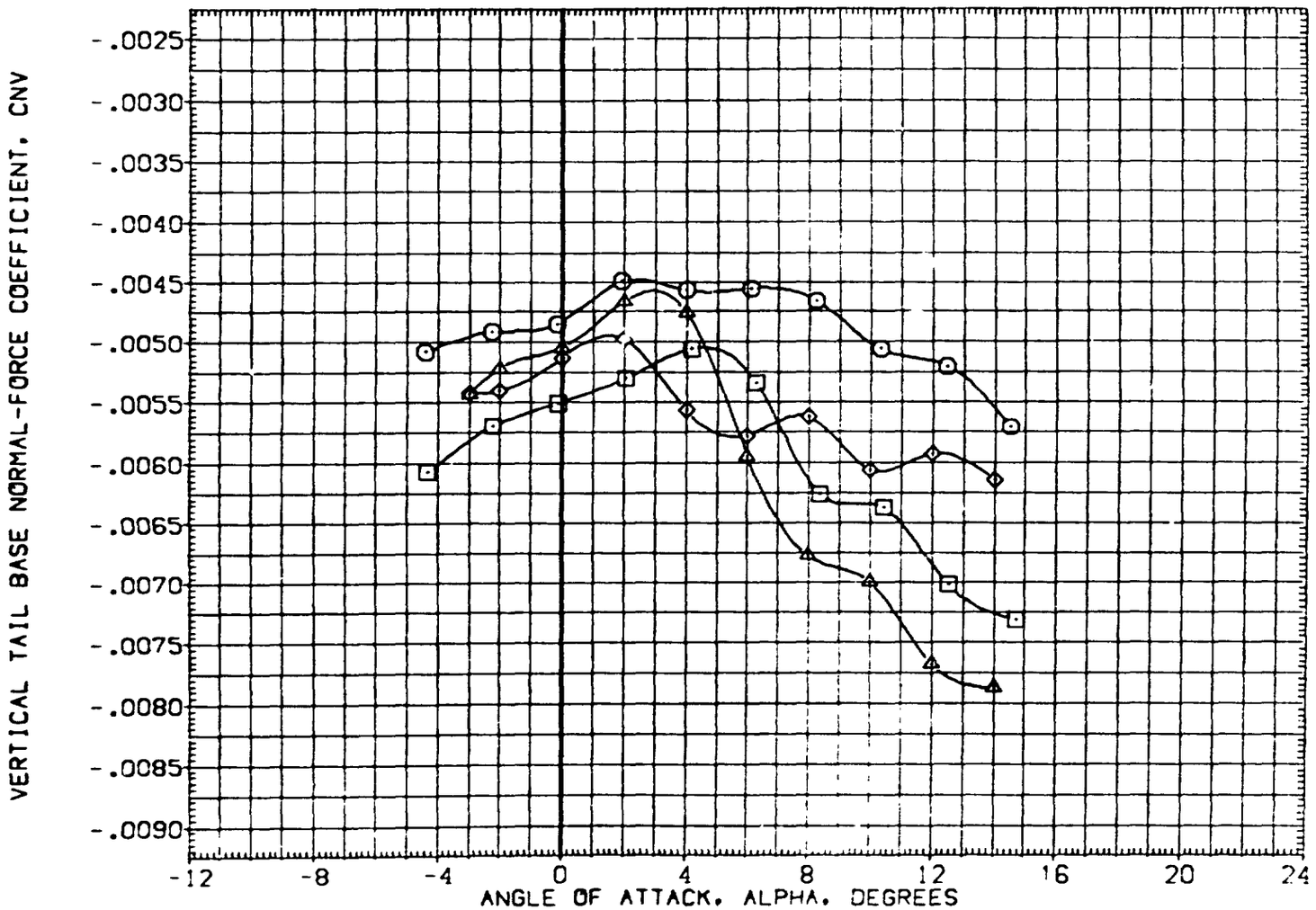


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BFR019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)		DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)		DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

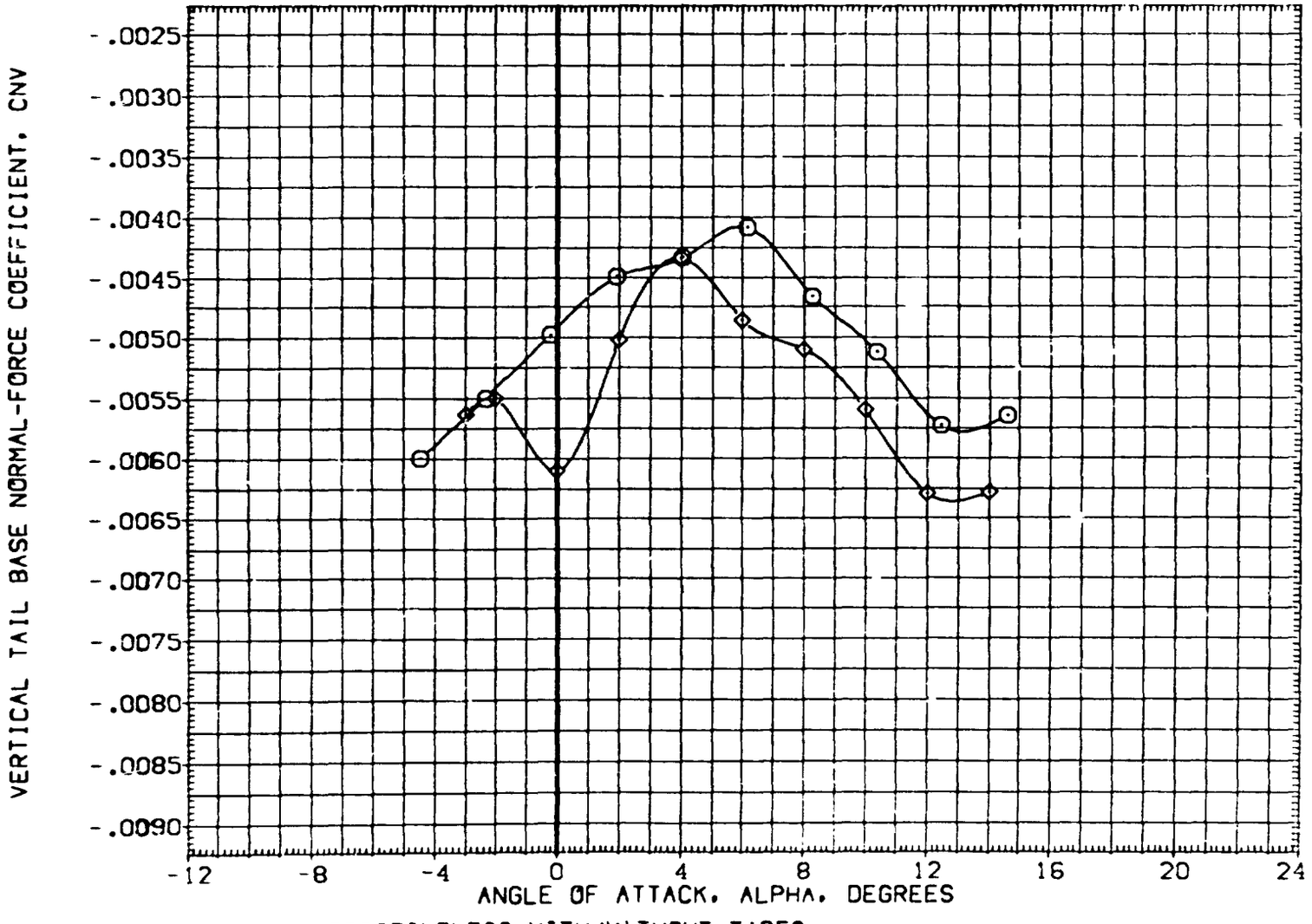


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH - .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO20)		ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ERO19)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ERO20)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5835	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

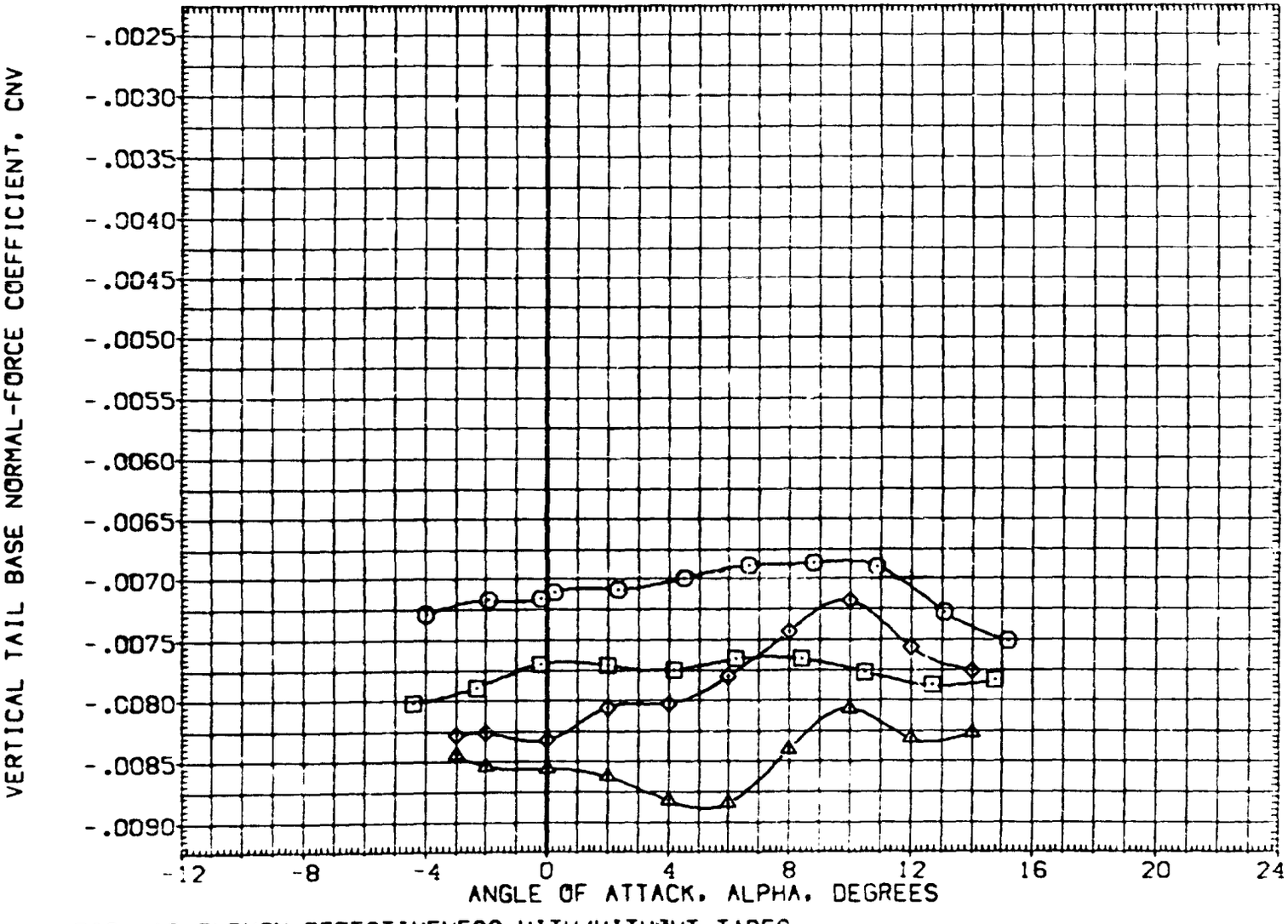


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

[illegible] = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

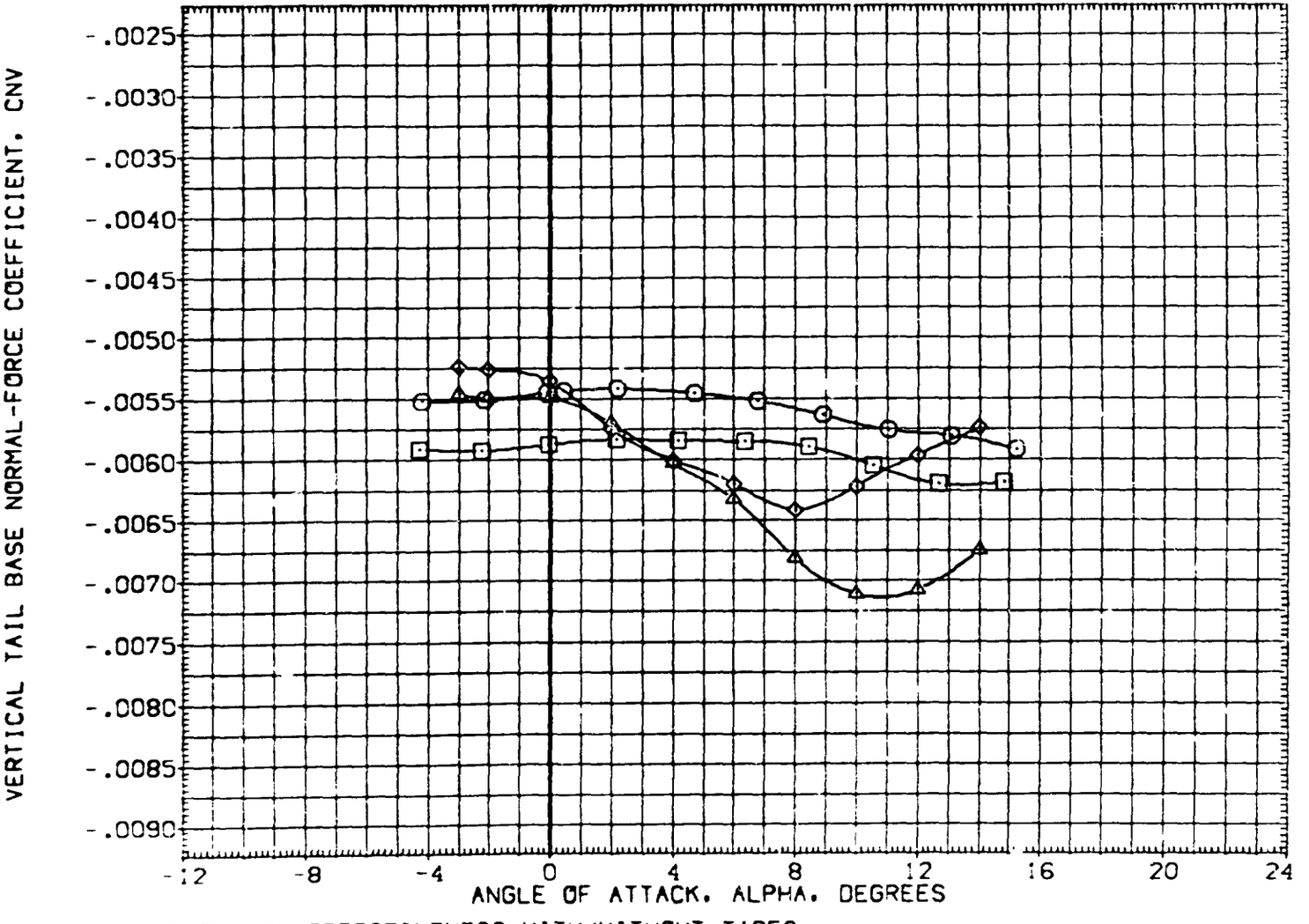


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(S)MAC 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

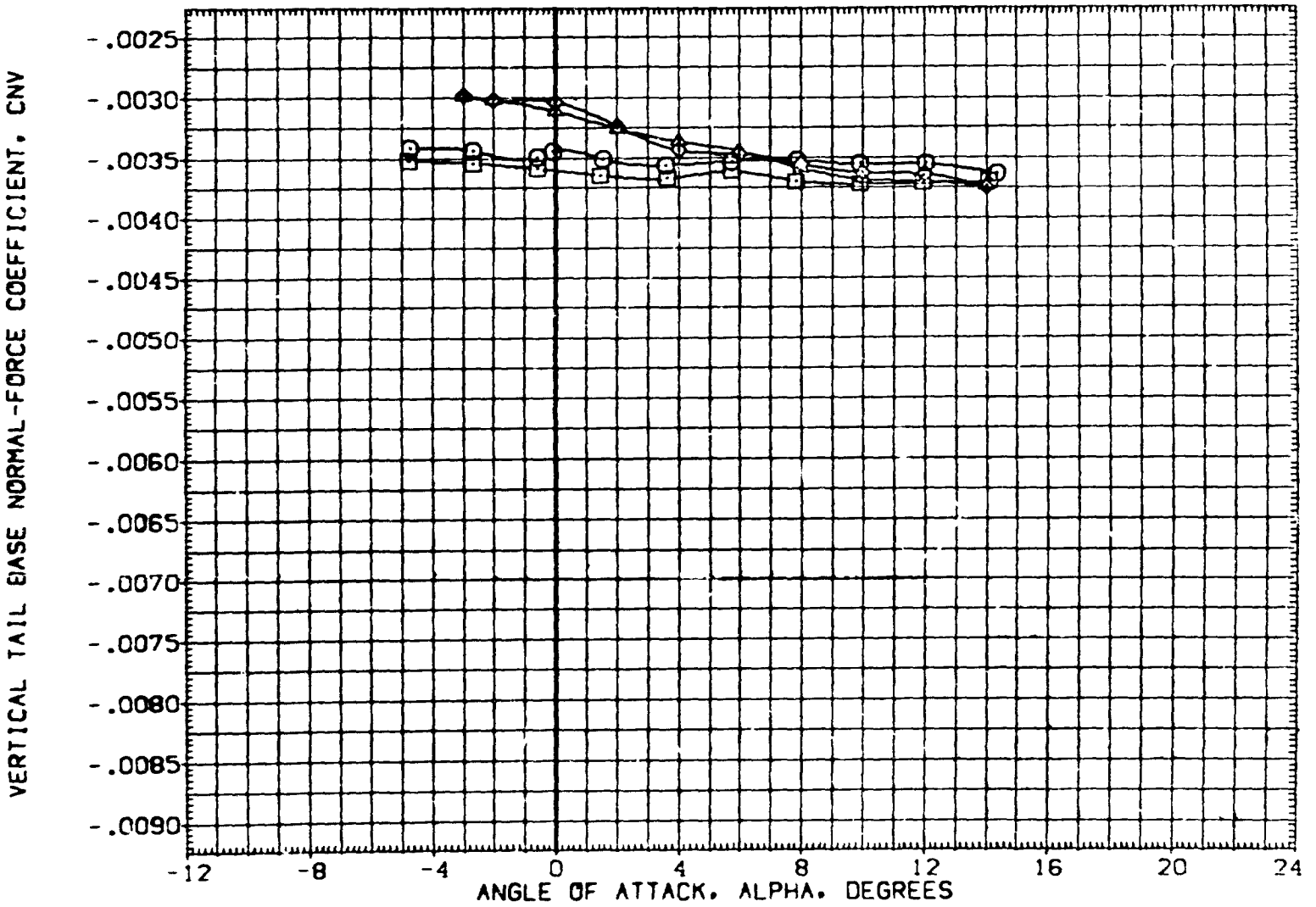


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

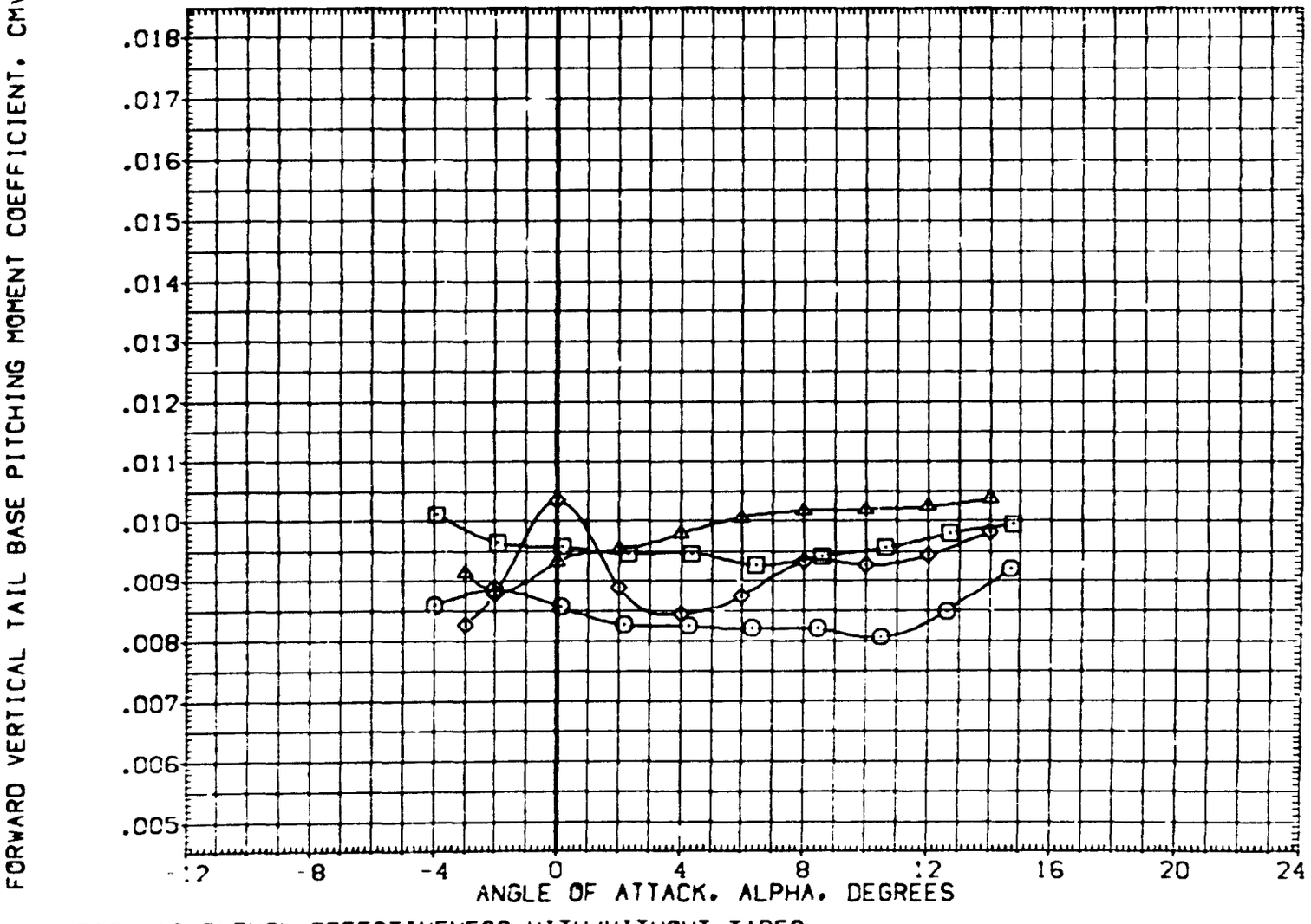


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	ARC 66-709 DA59 DA11A-(N24)	.000	.000	-11.700
(BER020)	ARC 66-709 DA59 DA11A-(N24)	.000	15.000	-11.700
(ZER019)	ARC 66-709 DA39 D11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	ARC 66-709 DA59 D11A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

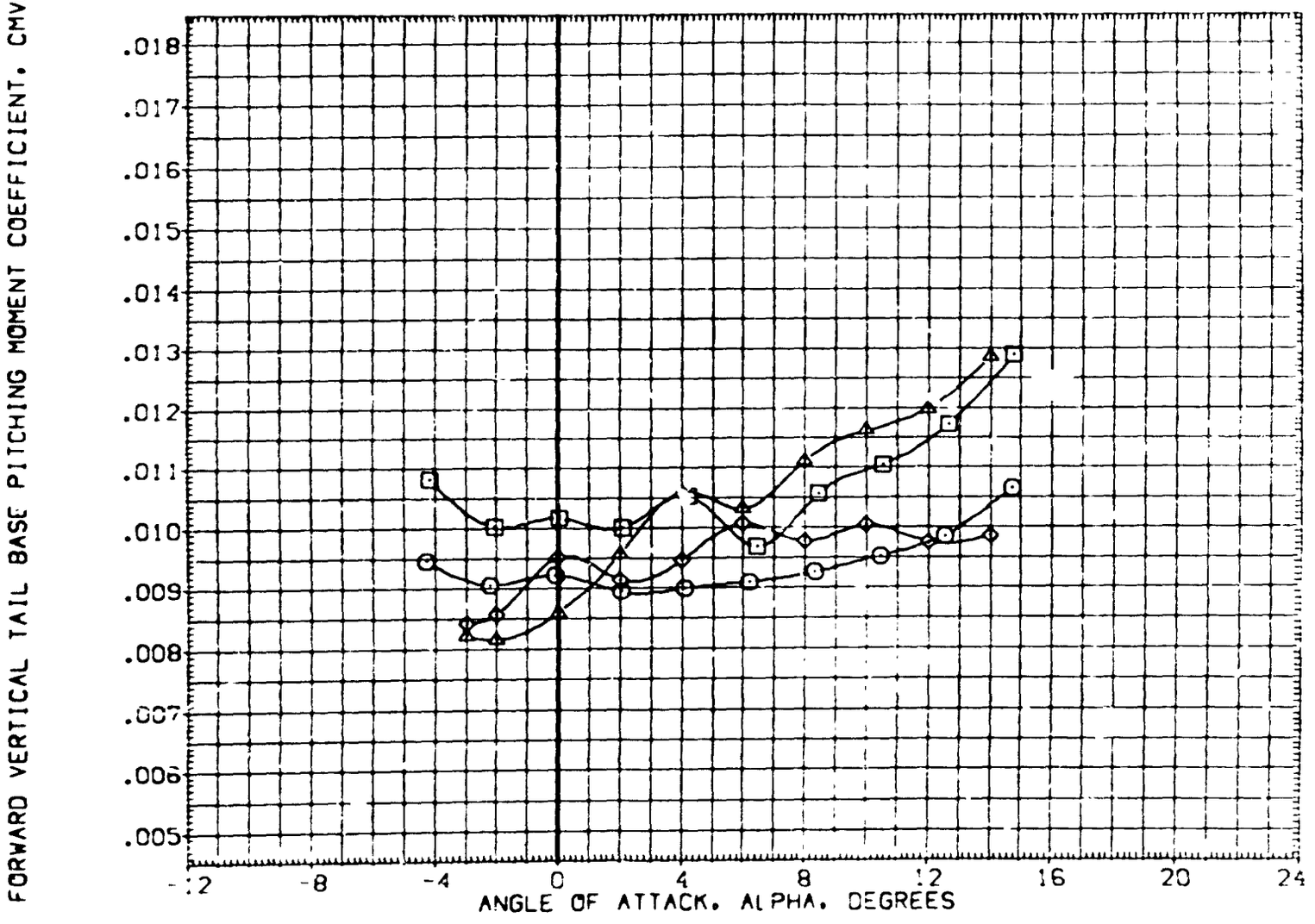


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

.8)MAC(.80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	⊗	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

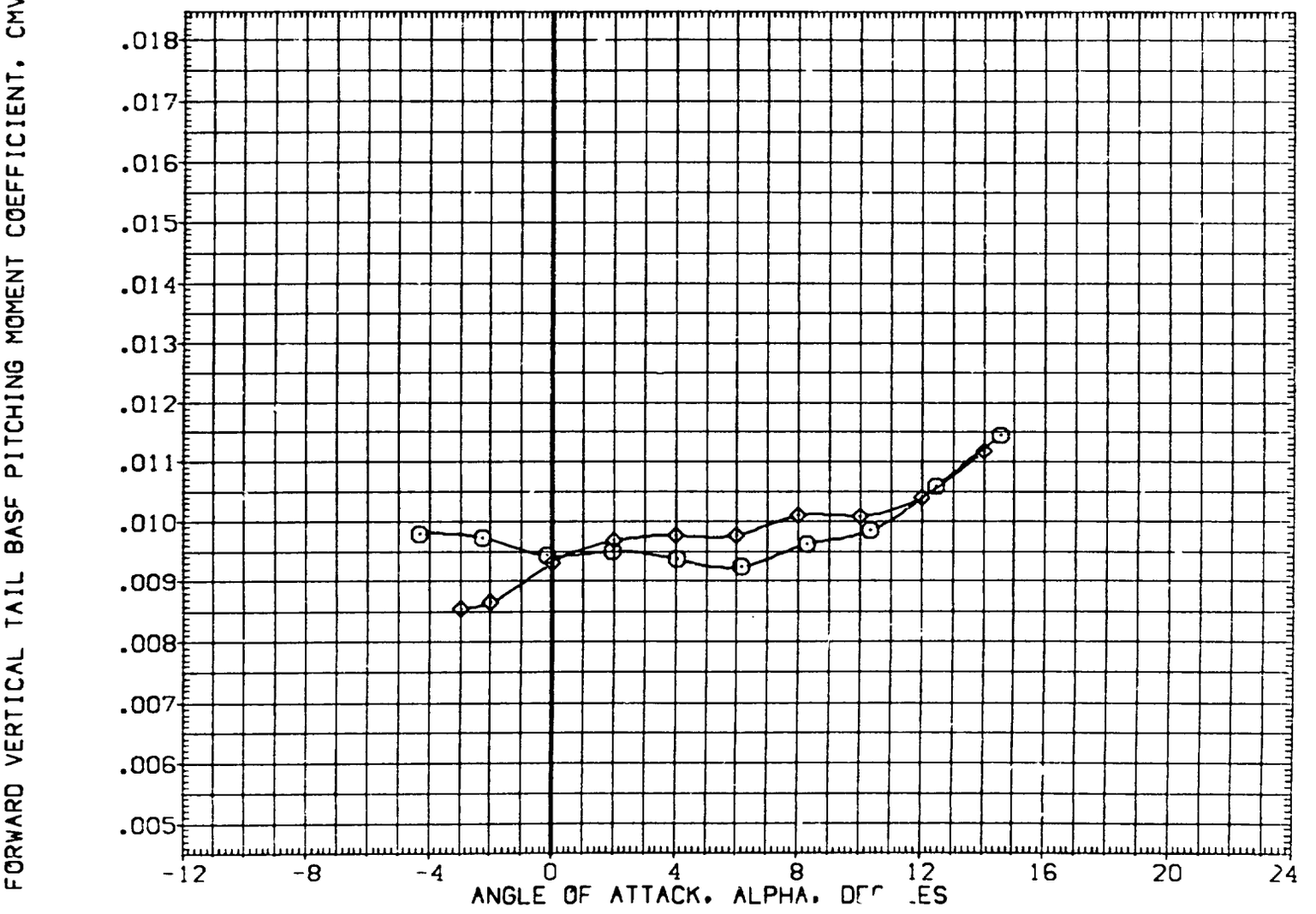


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

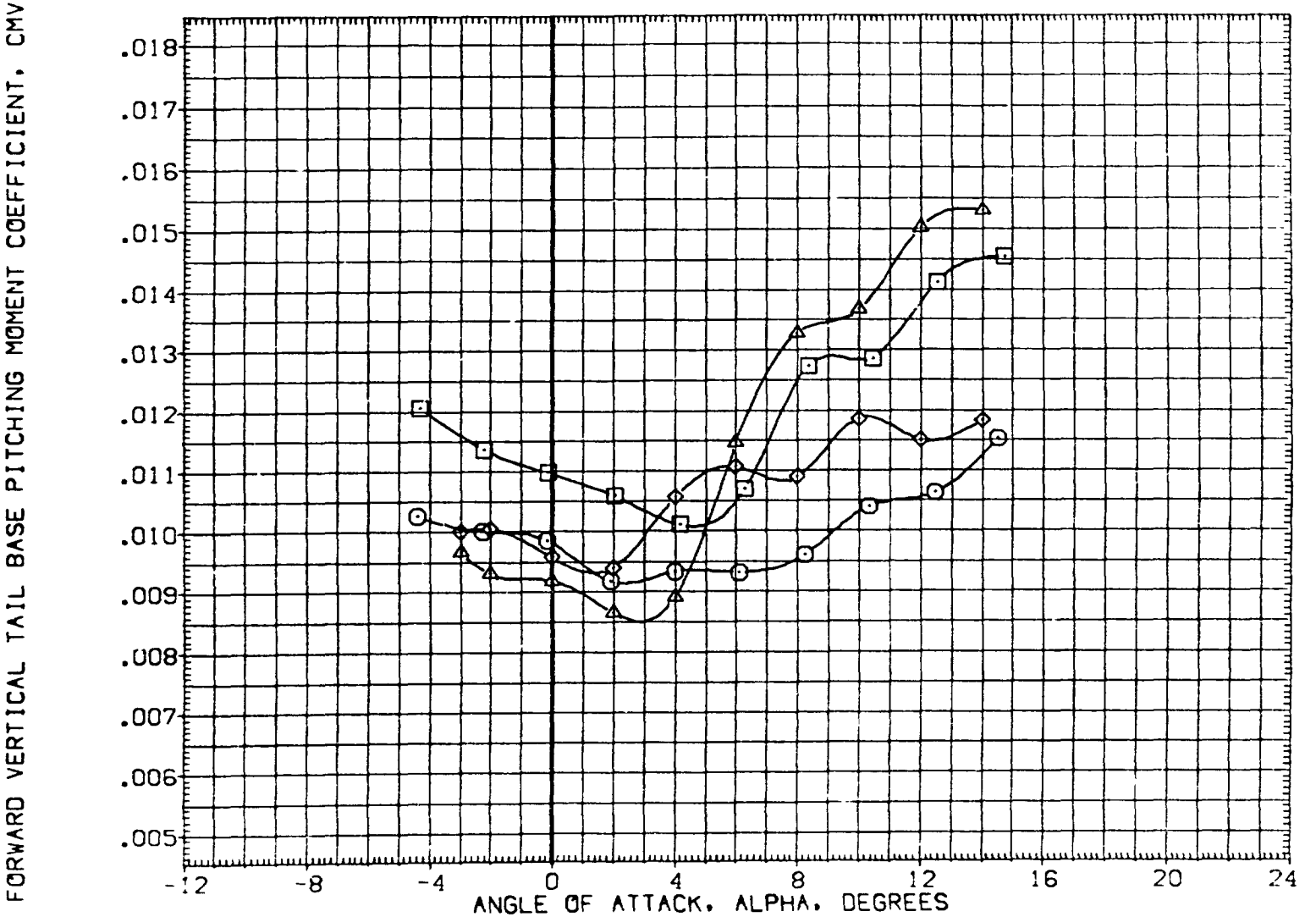


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

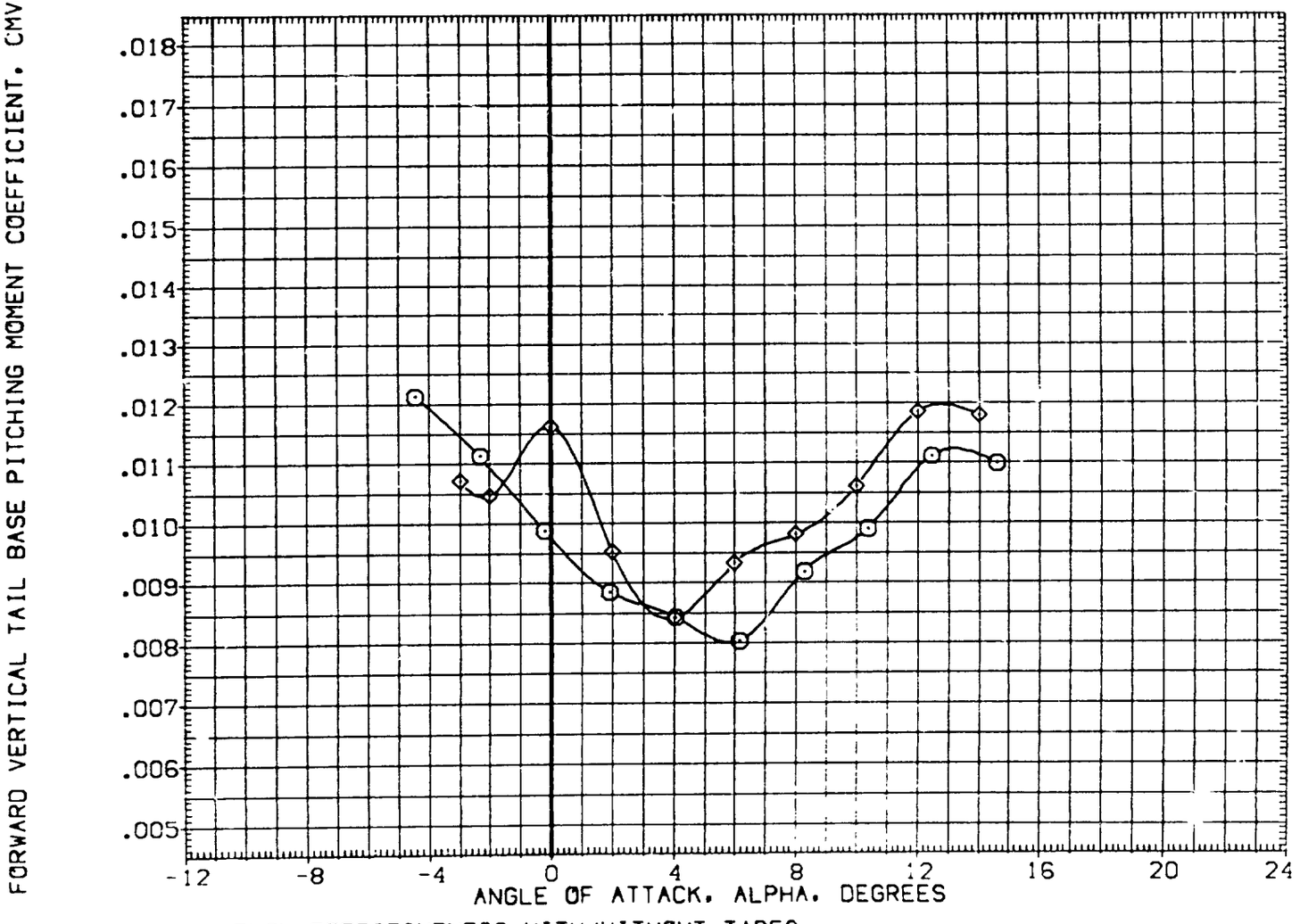


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

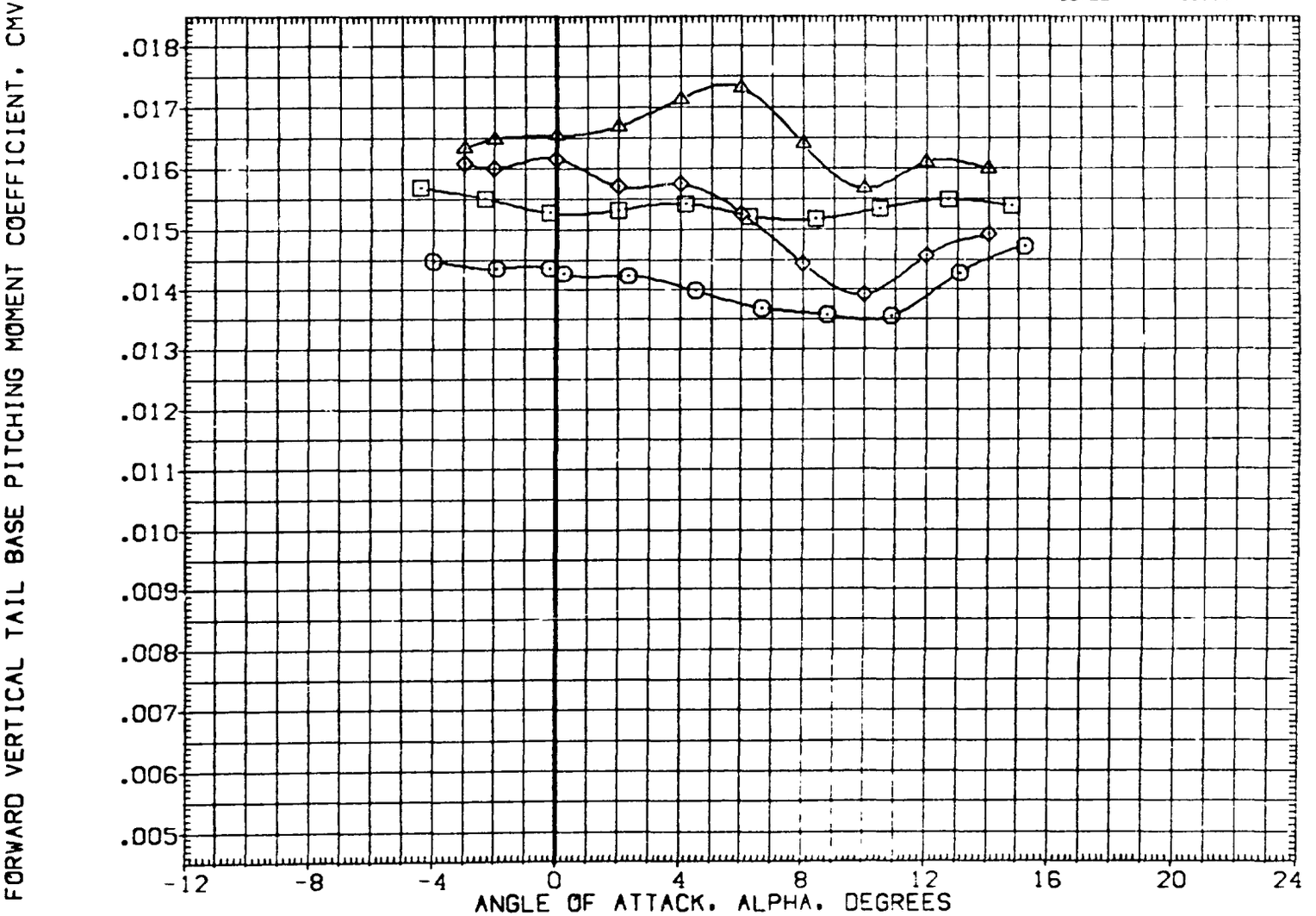


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

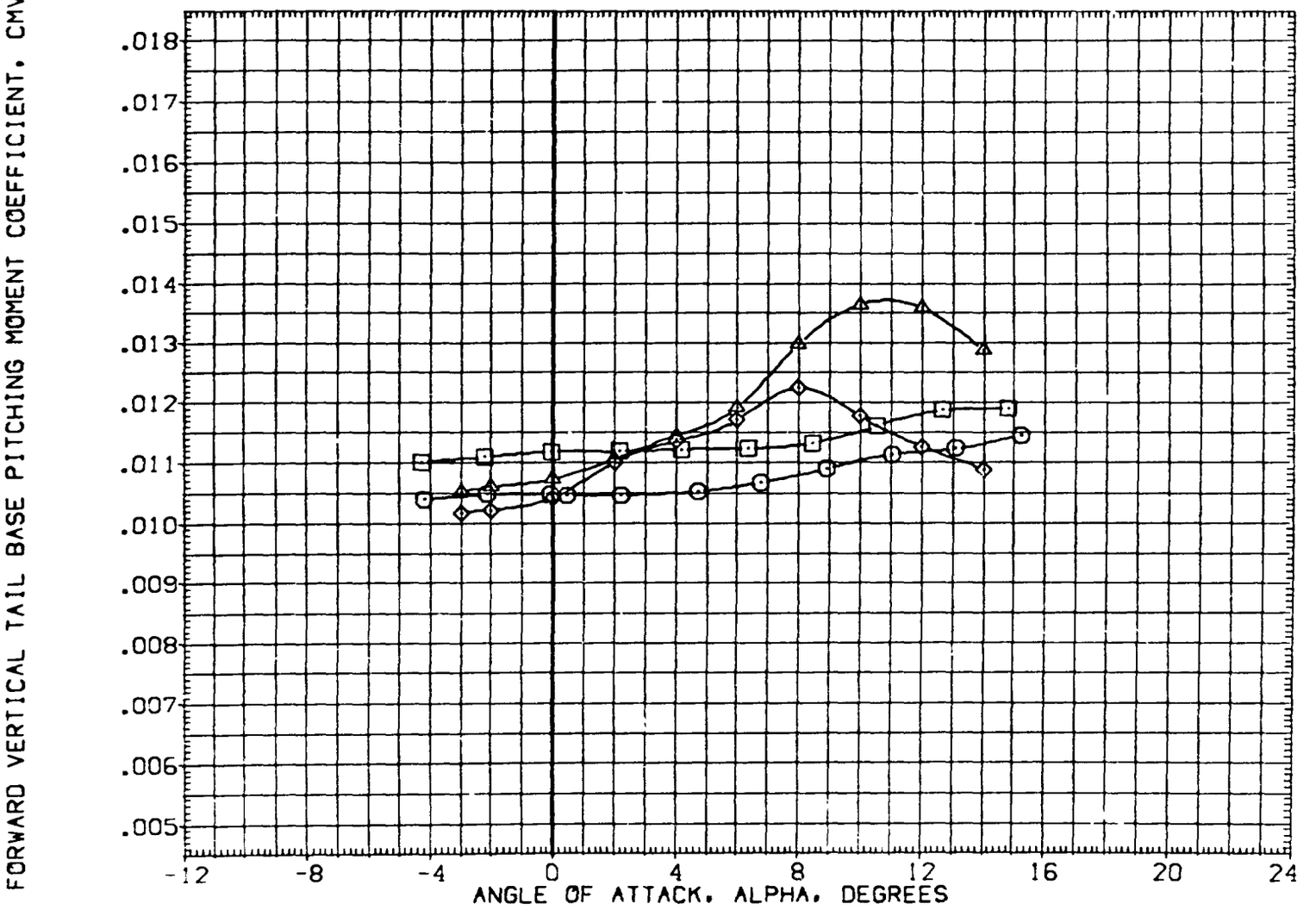


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ERO19)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ERO20)	⧖	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

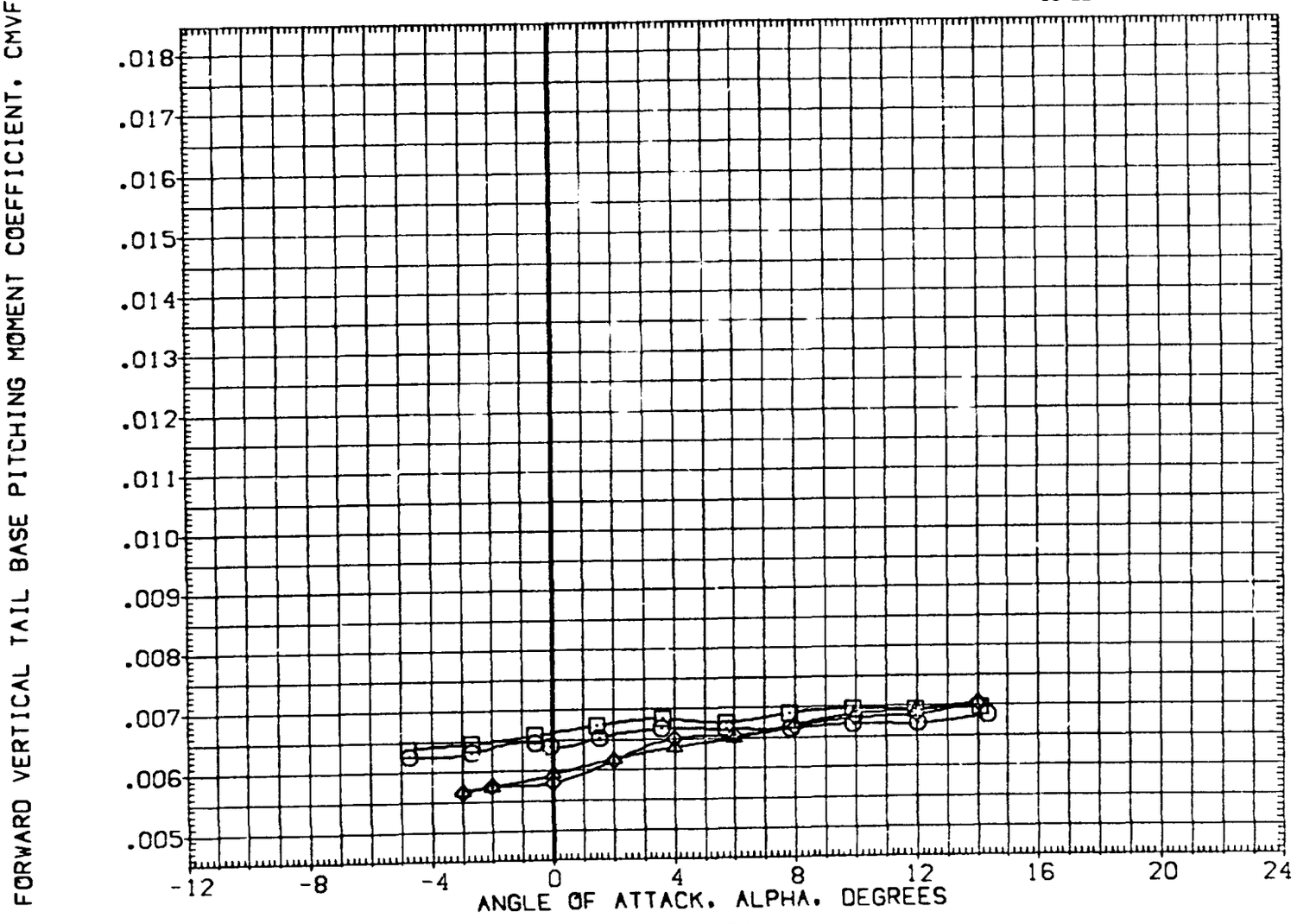


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.015C	

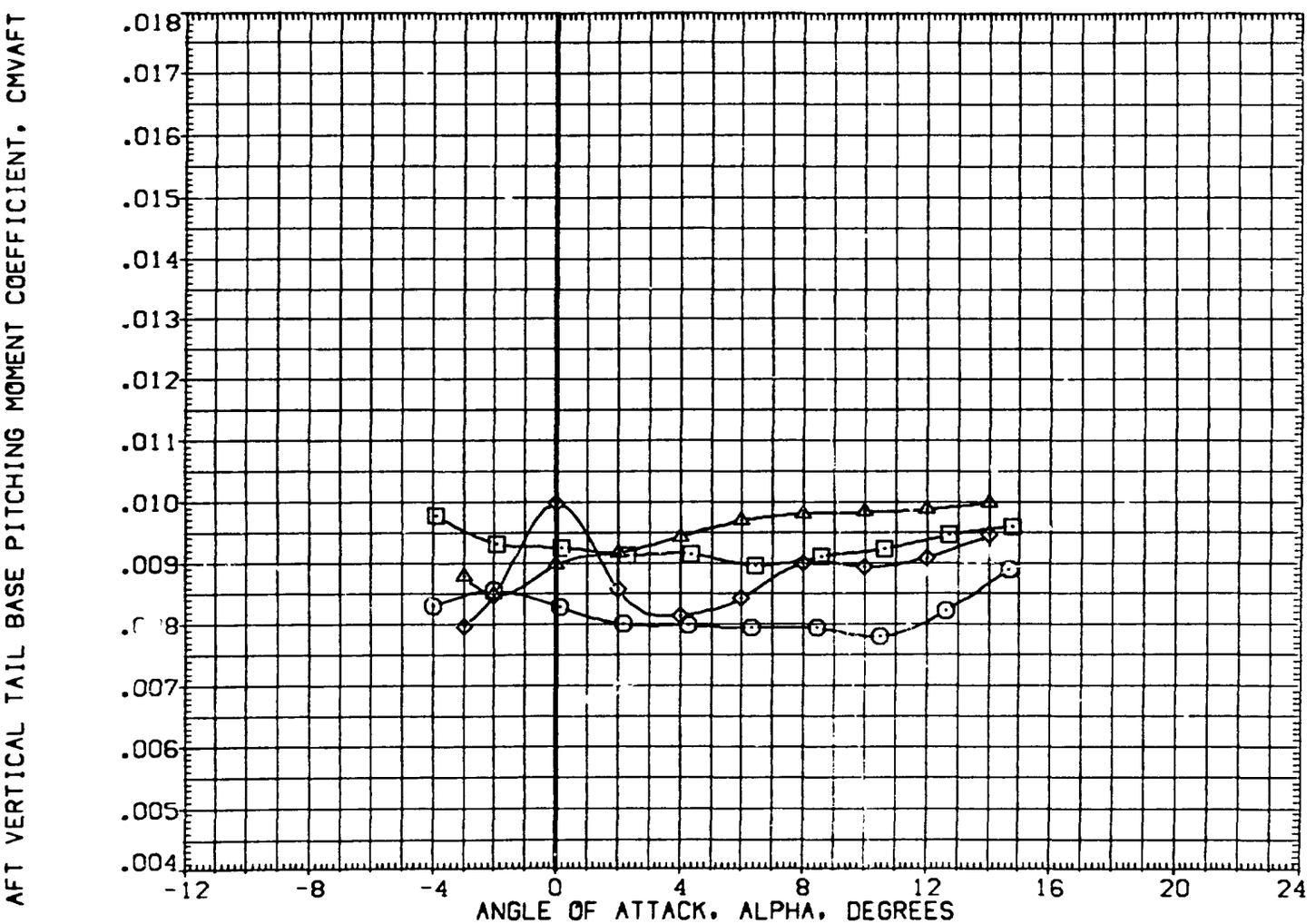


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BERC19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERC20)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(2ERC19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ERC20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

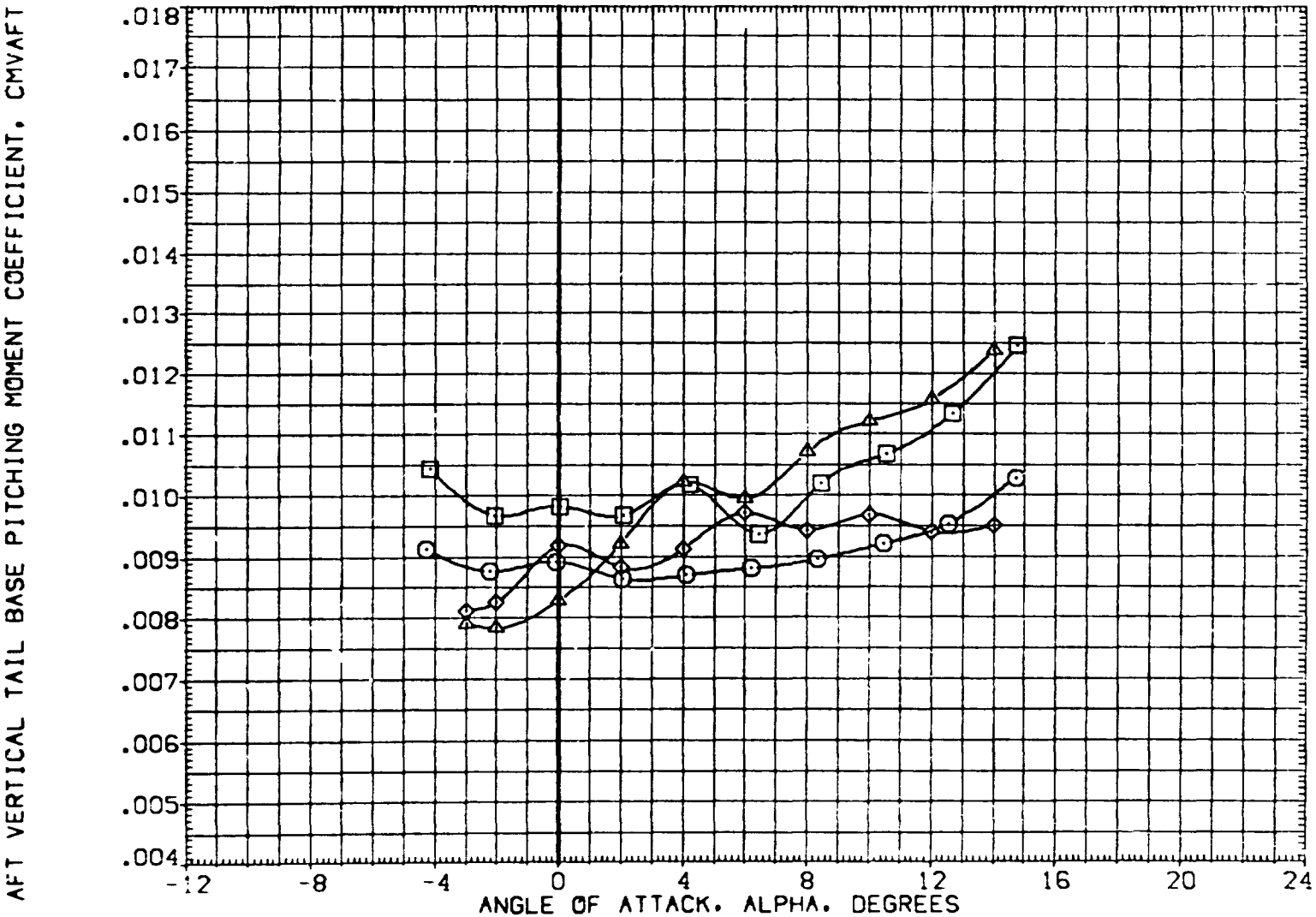


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(ZER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

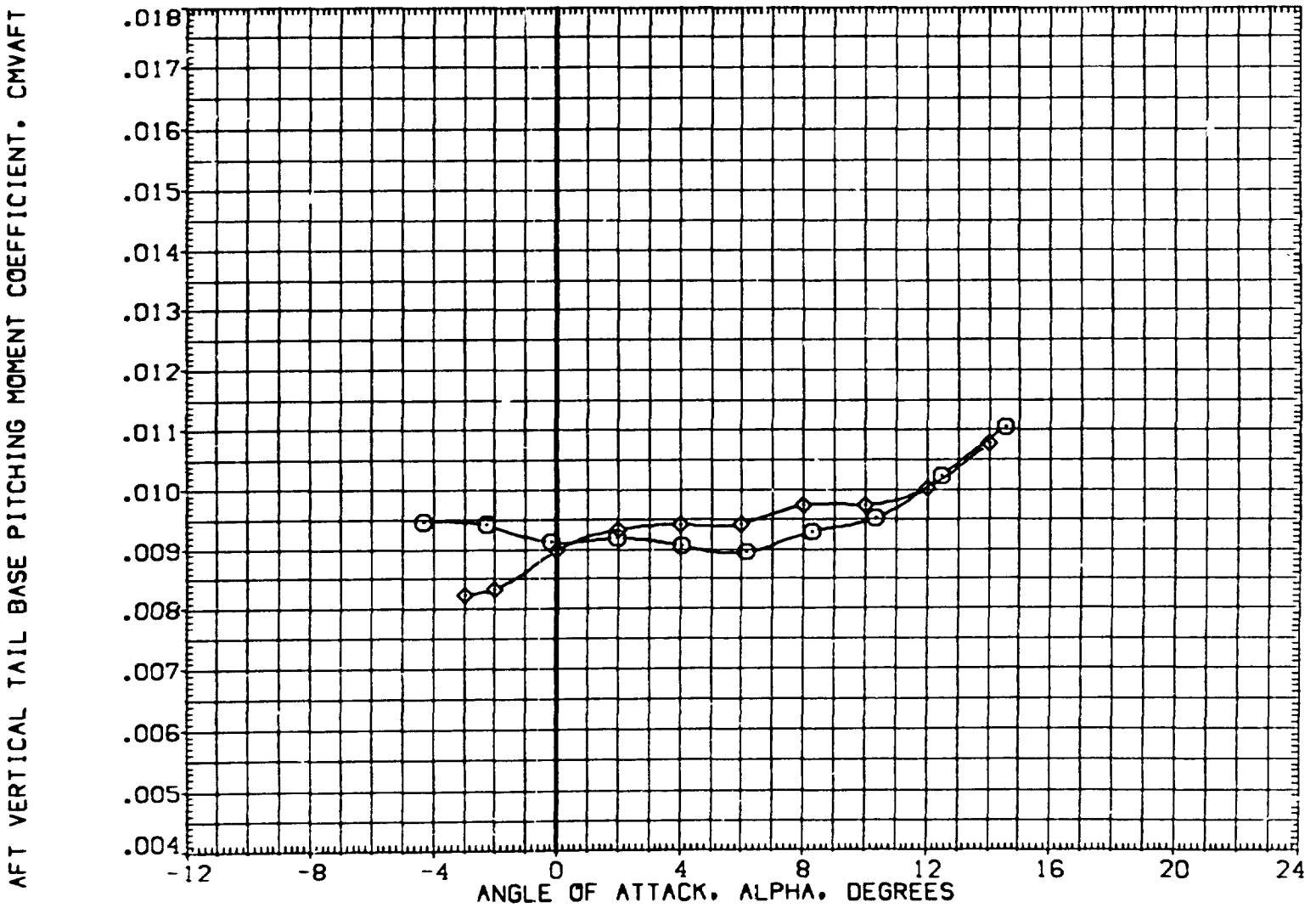


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BERO18)	▭	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO20)	▭	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZERO19)	⋈	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO20)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.171C	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

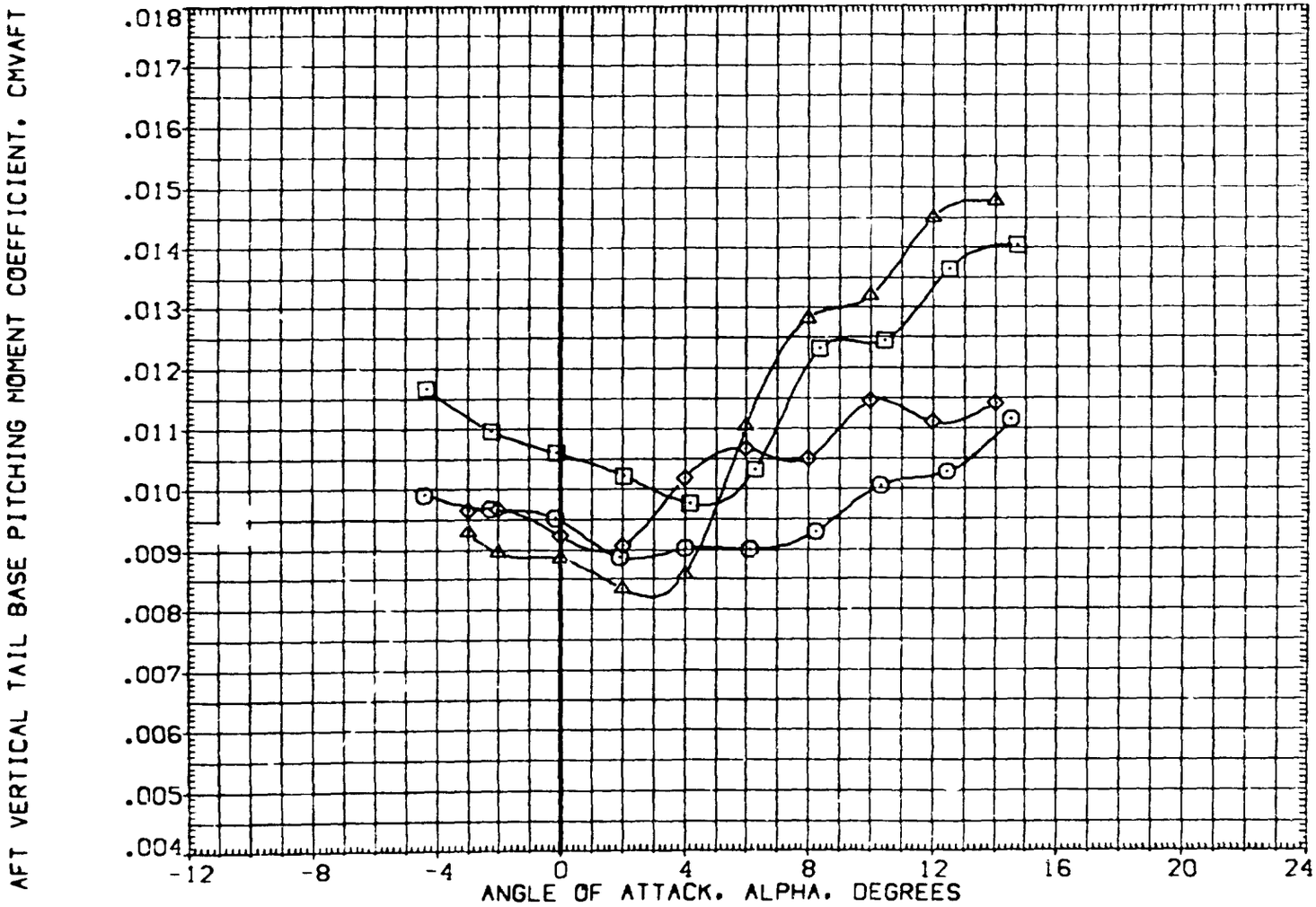


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	DATA NOT AVAILABLE	.000	15.000	-11.700
(2ER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER020)	△	DATA NOT AVAILABLE	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

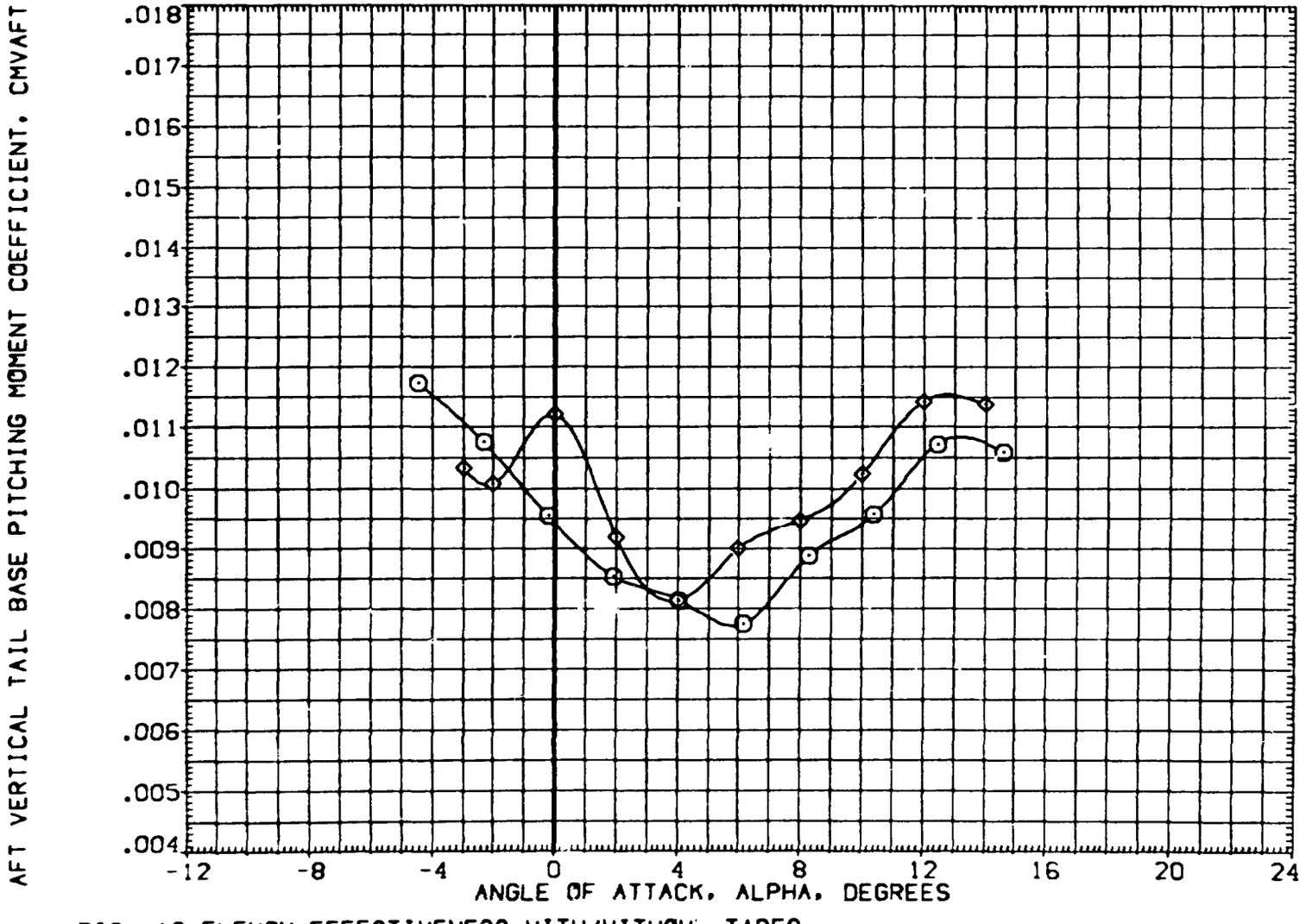


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	⊗	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

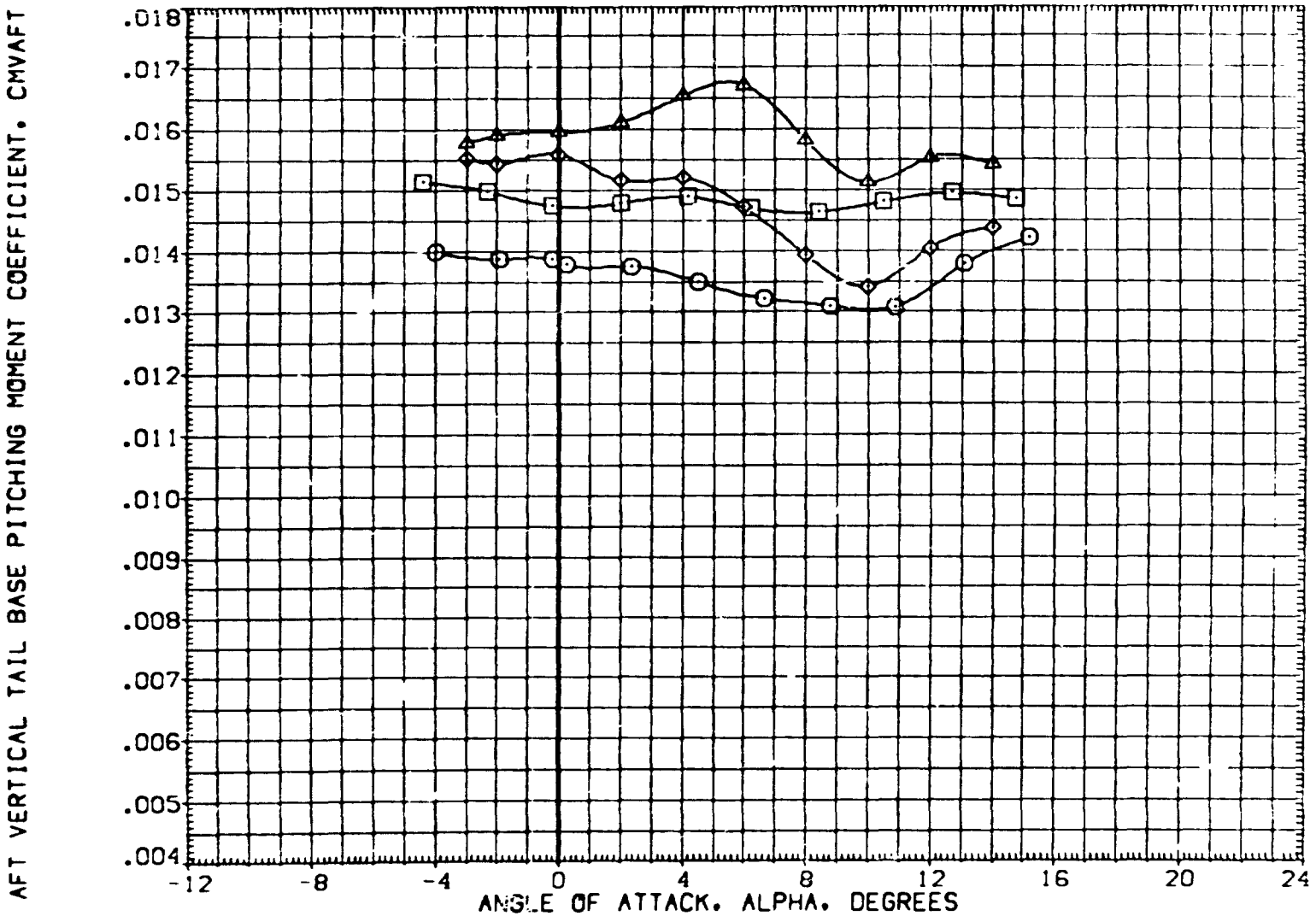


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	□	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(ZER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER020)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

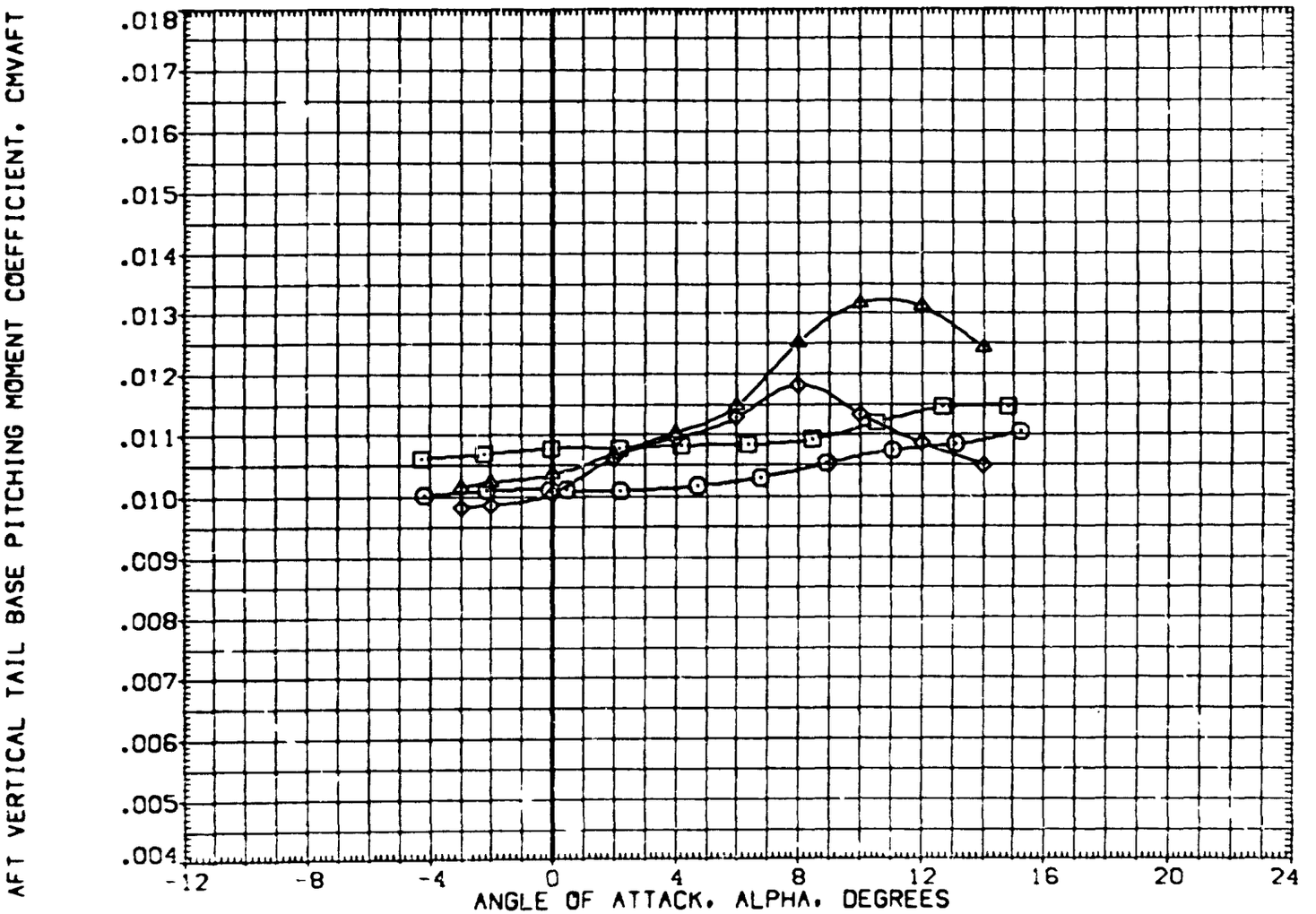


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER018)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER020)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	15.000	-11.700
(BER019)	⊠	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(BER020)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	15.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5835	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

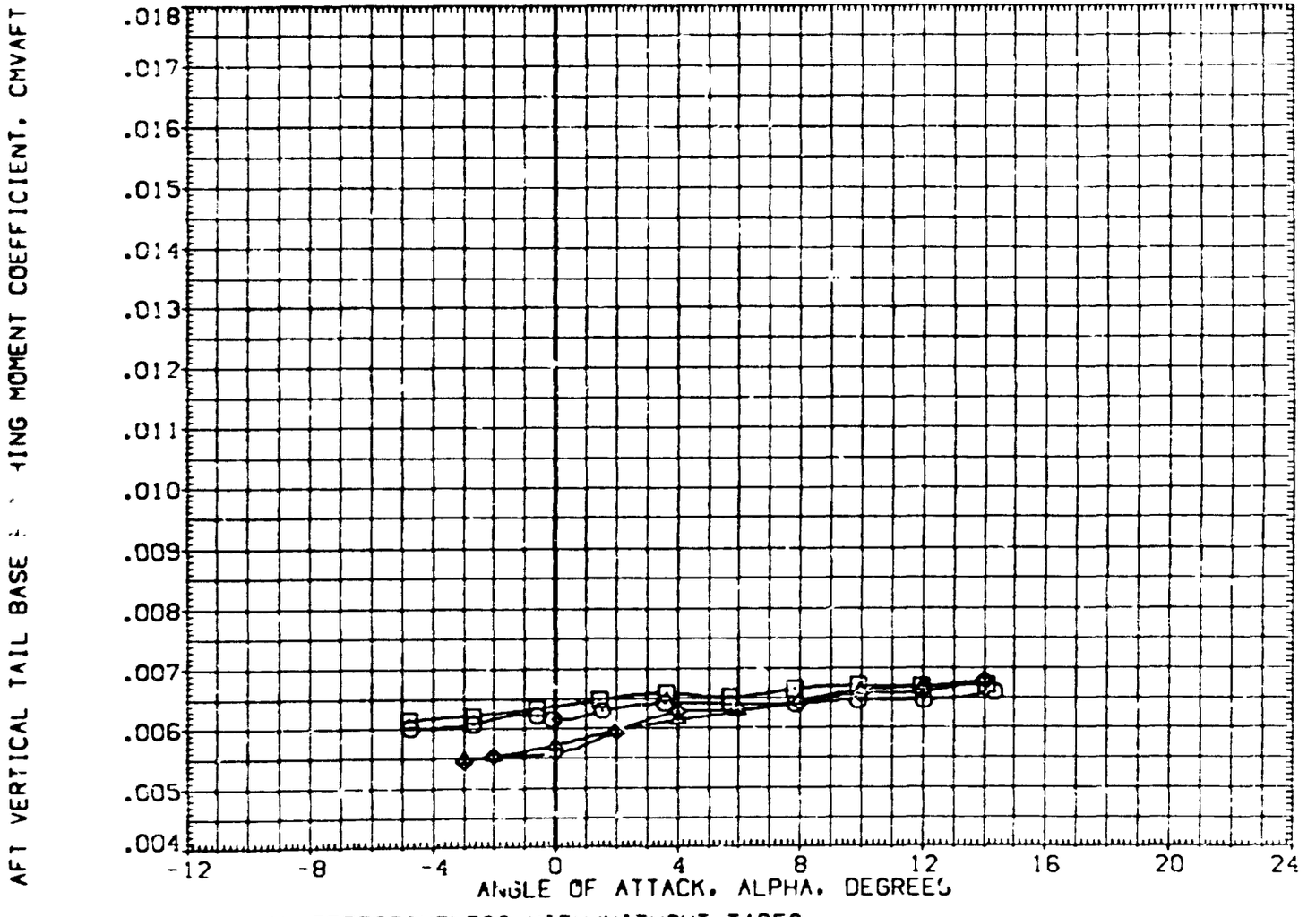


FIG. 13 ELEVON EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	□	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

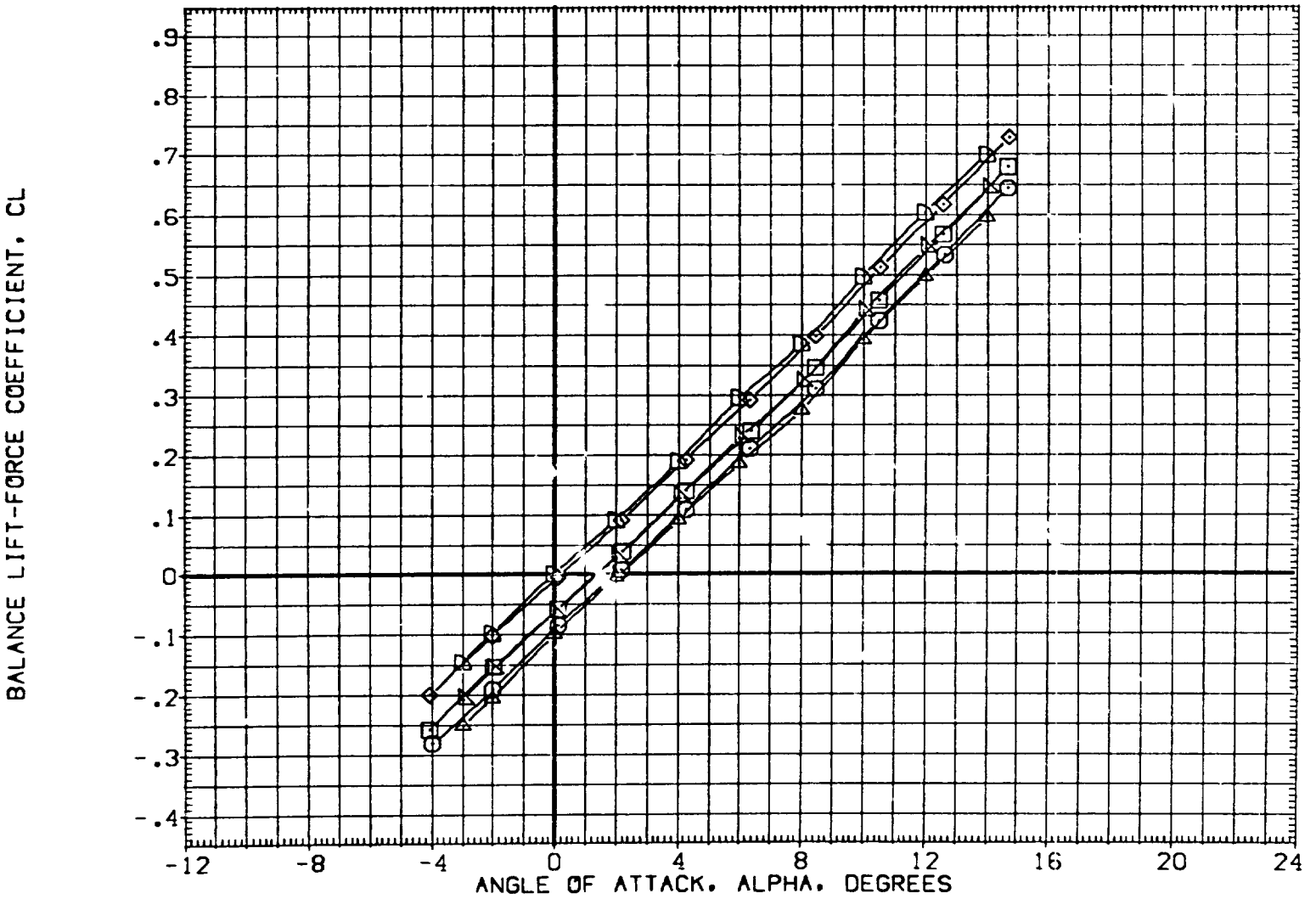


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(IER022)	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	2.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

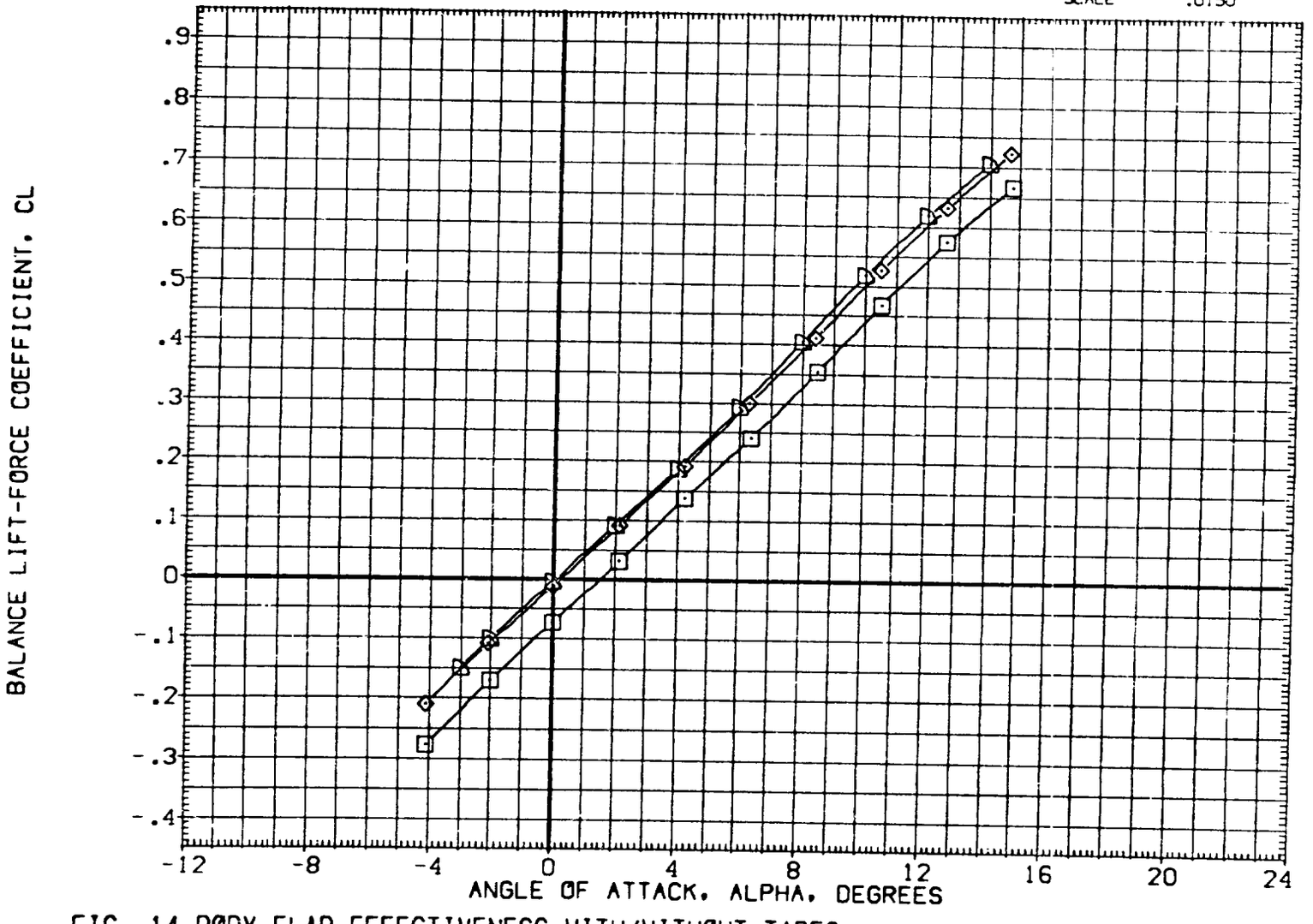


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

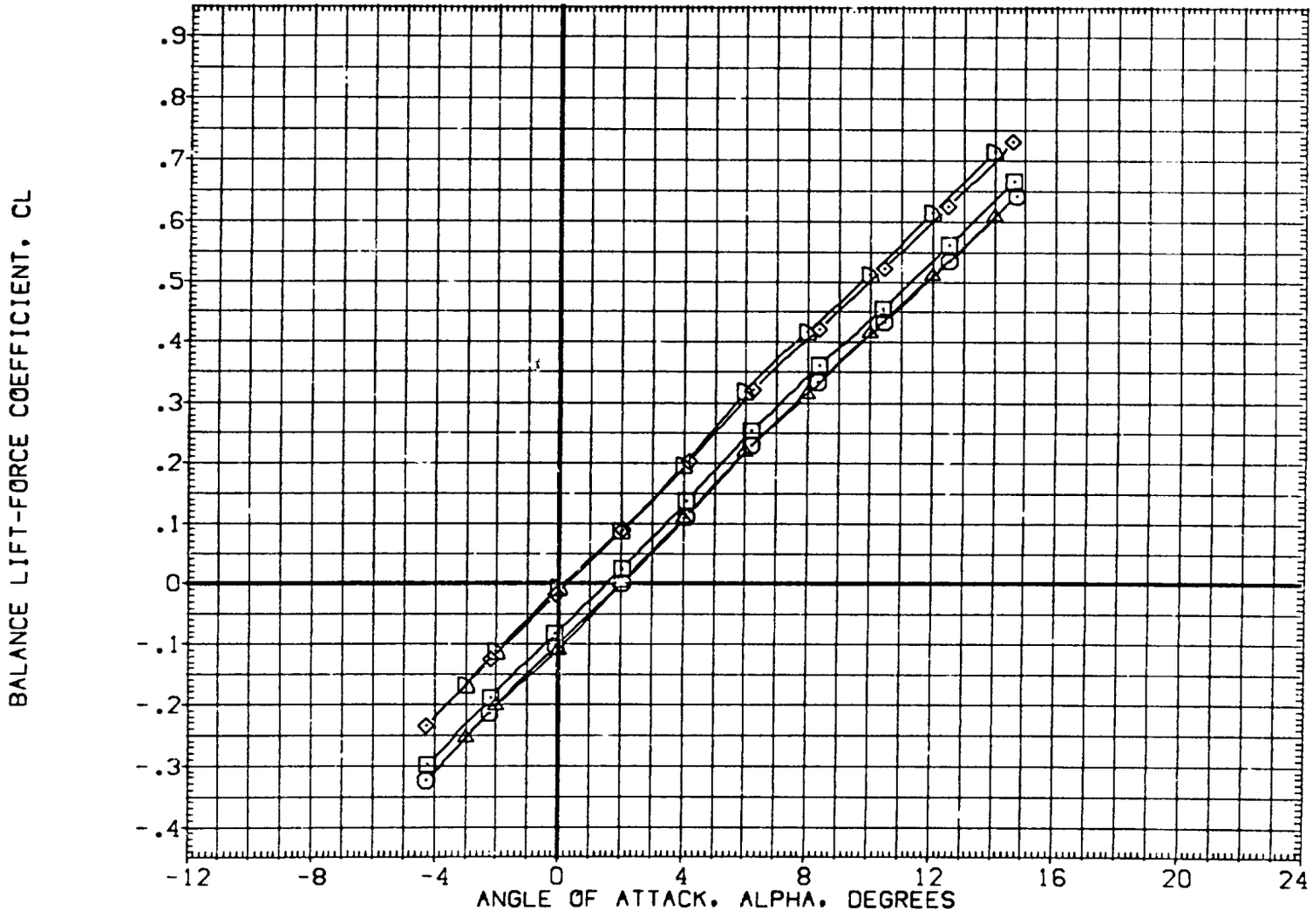


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		DATA NOT AVAILABLE	.000	.000	.000
(CER023)		DATA NOT AVAILABLE	.000	.000	16.300
(IER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

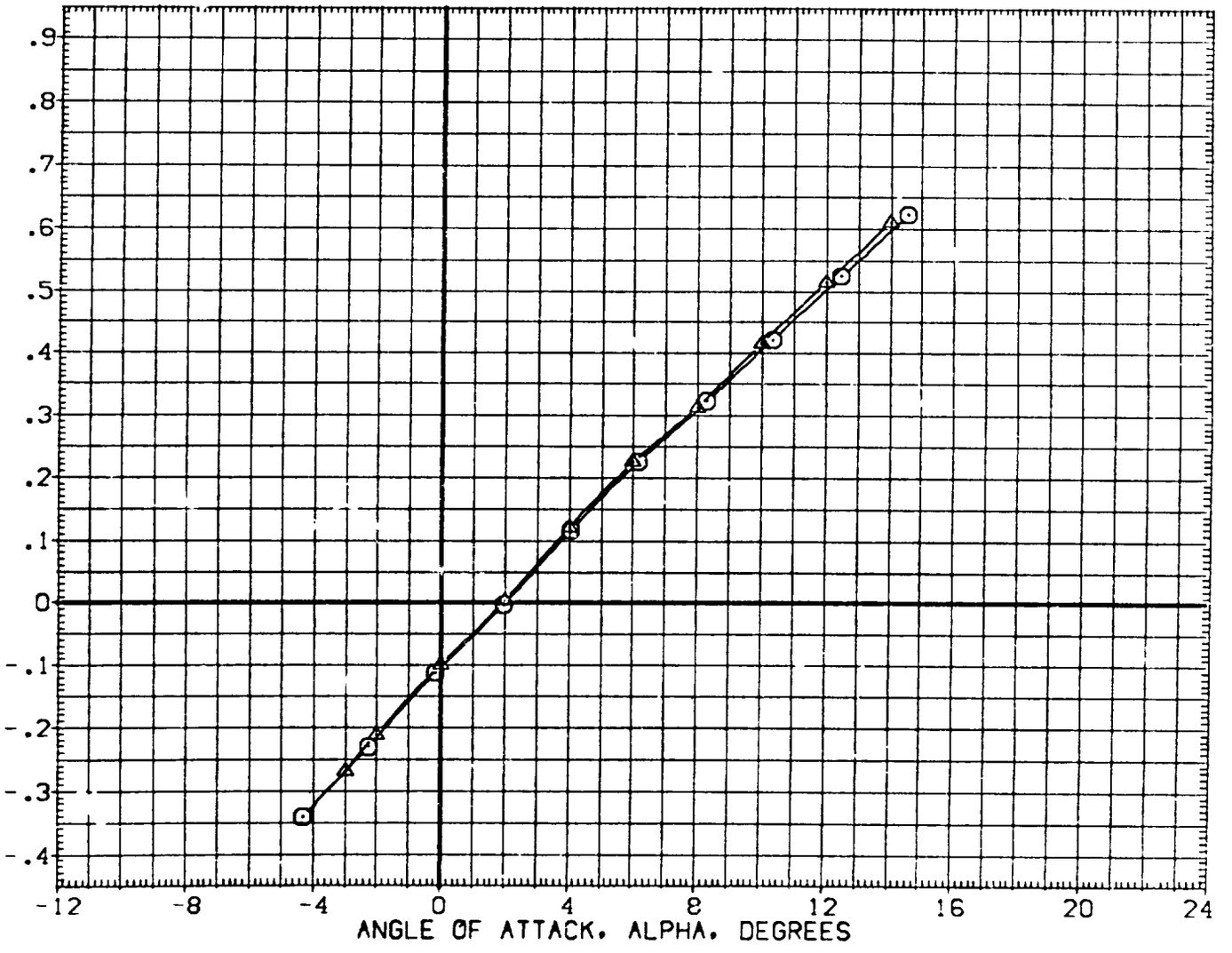


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

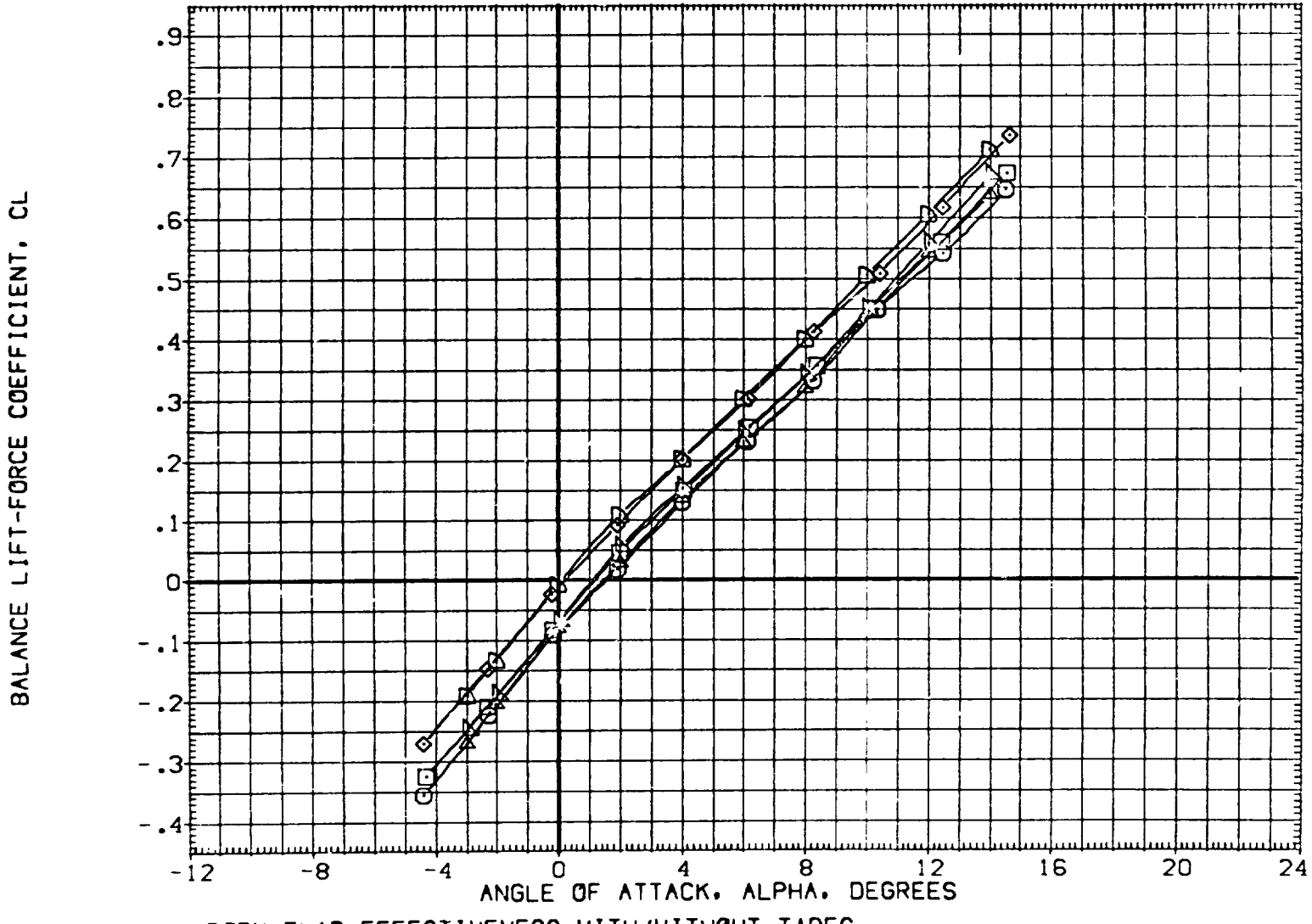


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	△	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

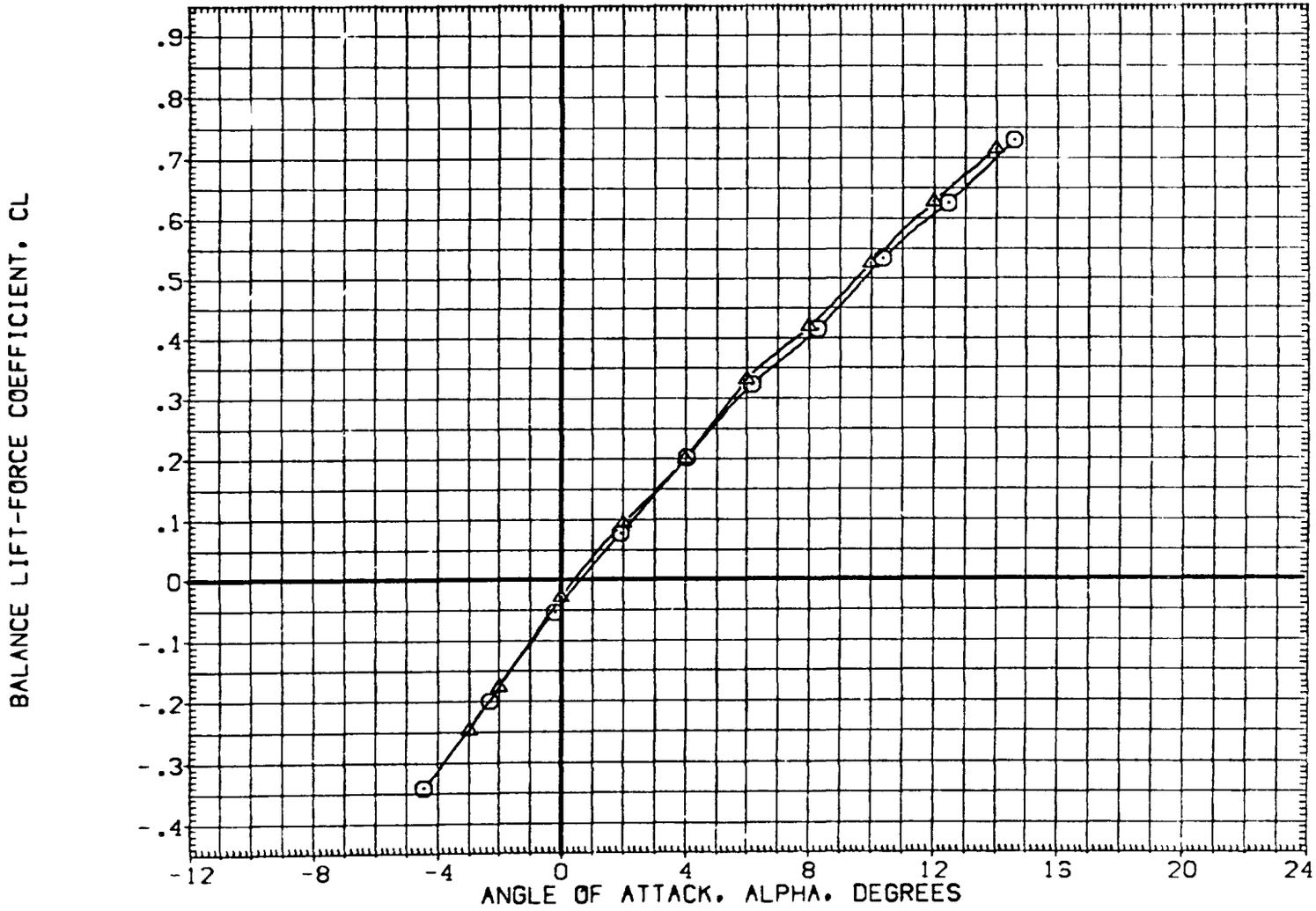


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 3A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

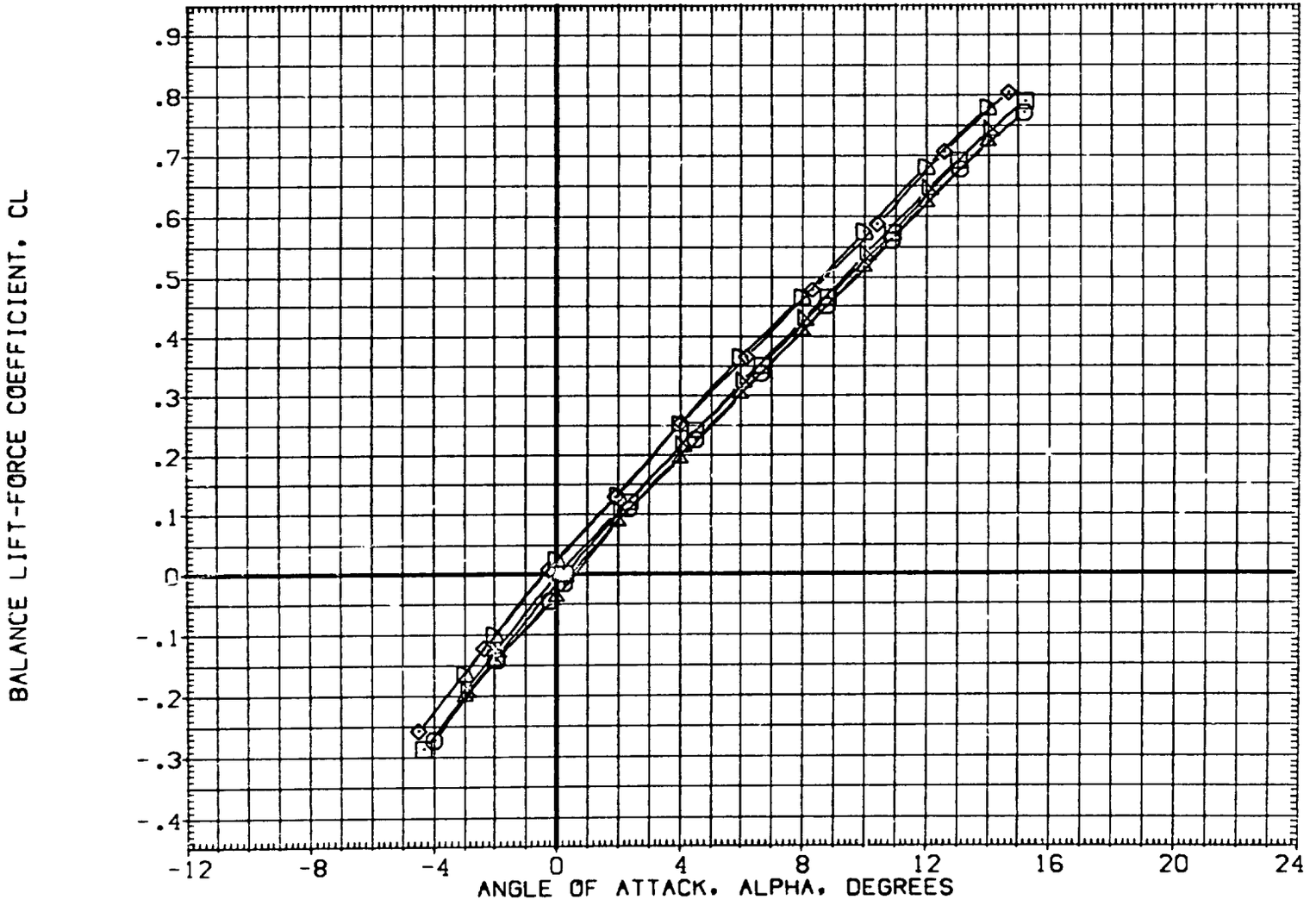


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(1ER023)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	.1710	FT.
XMRP	10.6235	IN.
YMRP	.0000	IN.
ZMRP	.3750	IN.
SCALE	.0150	

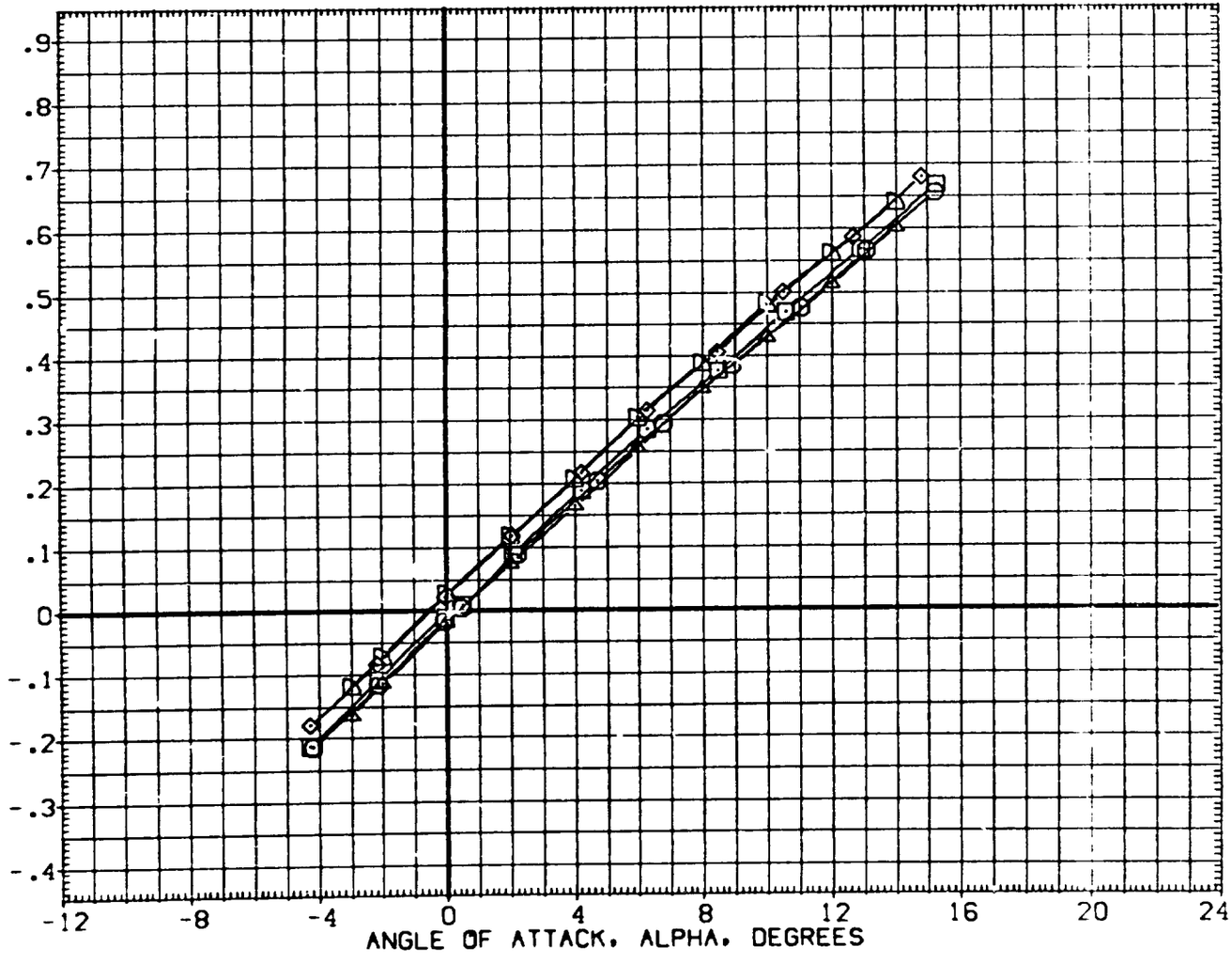


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	□	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▽	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

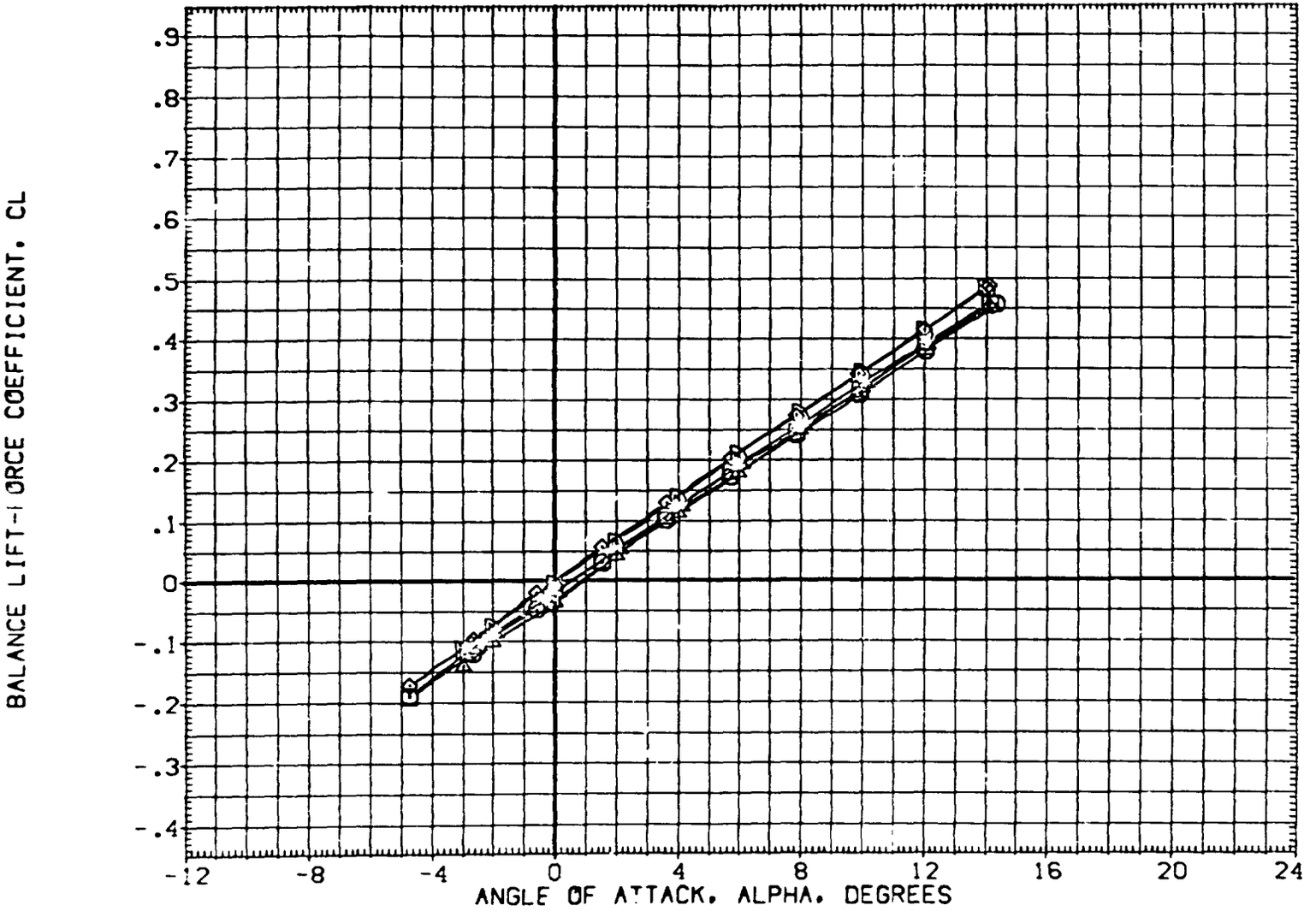


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

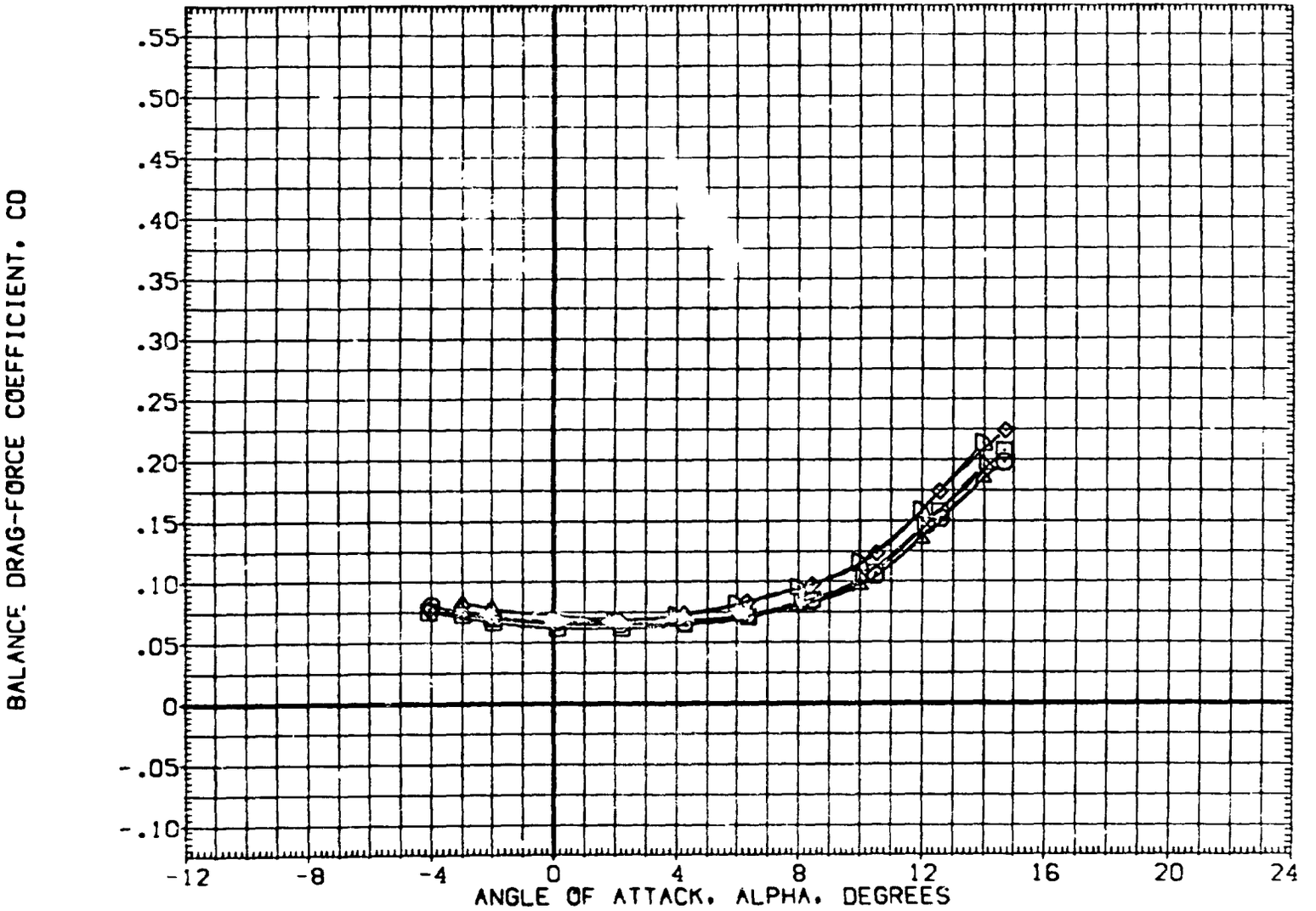


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	▷	DATA NOT AVAILABLE	.000	.000	-11.700
(IERO22)	◁	DATA NOT AVAILABLE	.000	.000	.000
(IERO23)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

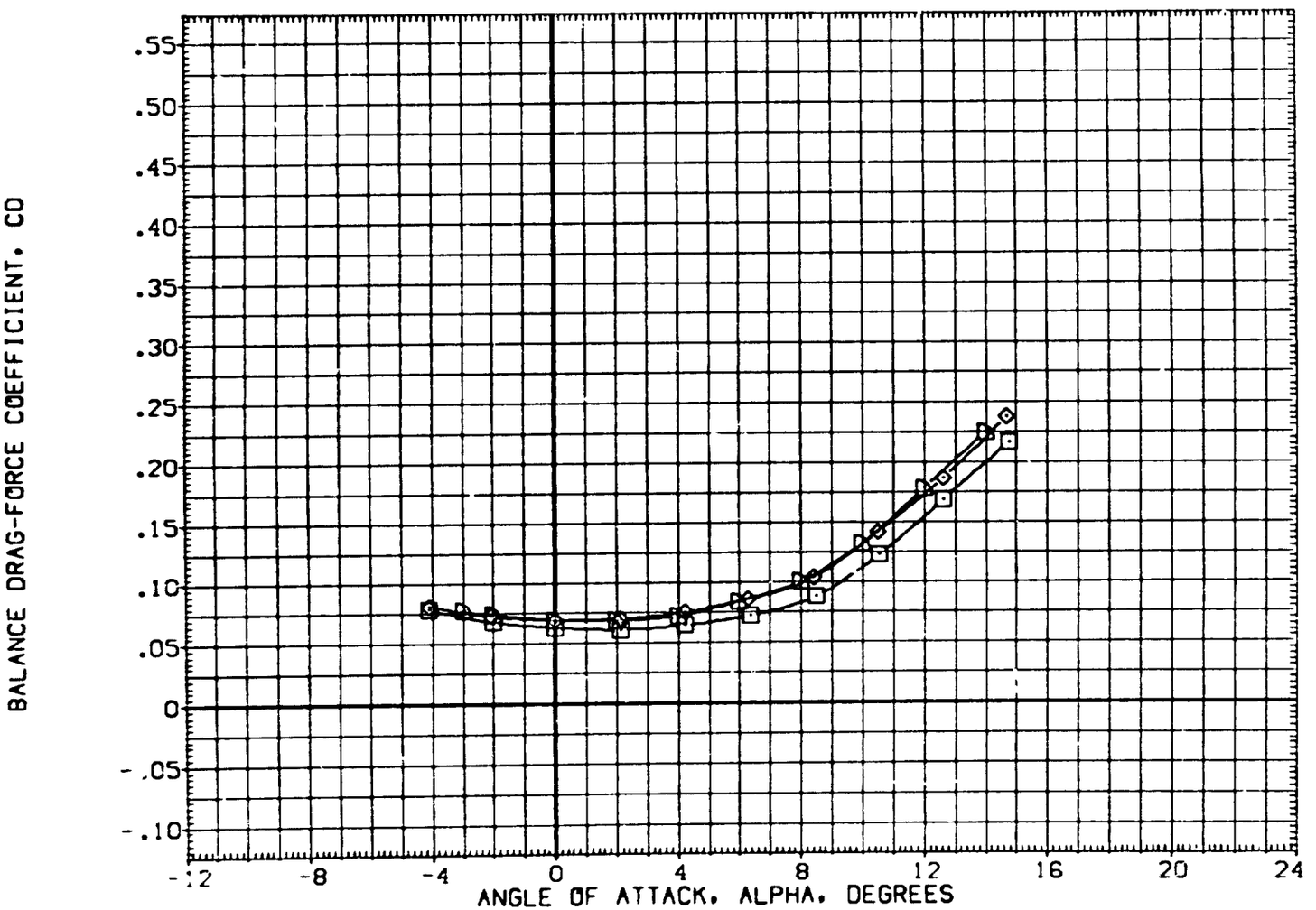


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	2.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

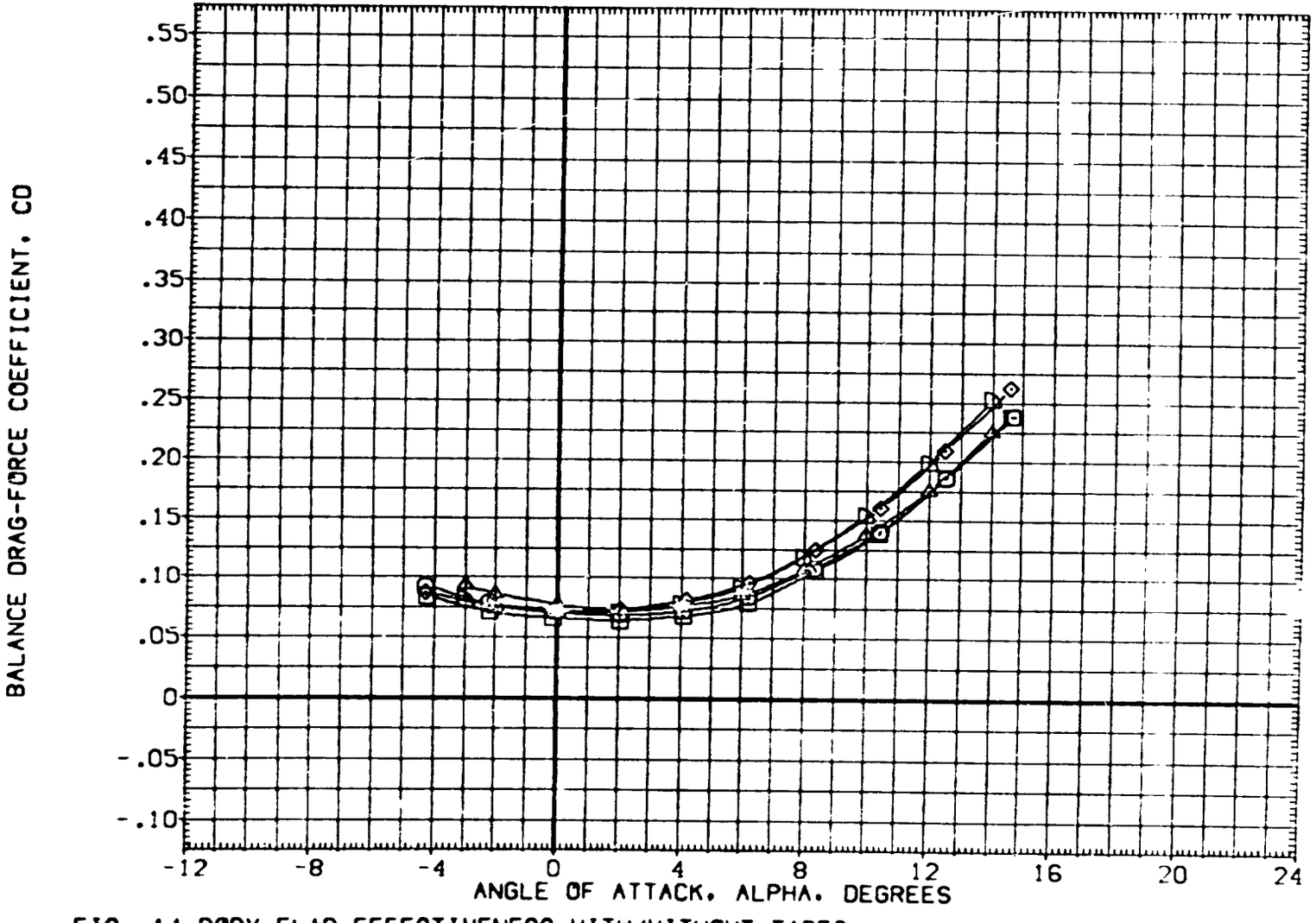


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(IER019)	▽	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◁	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

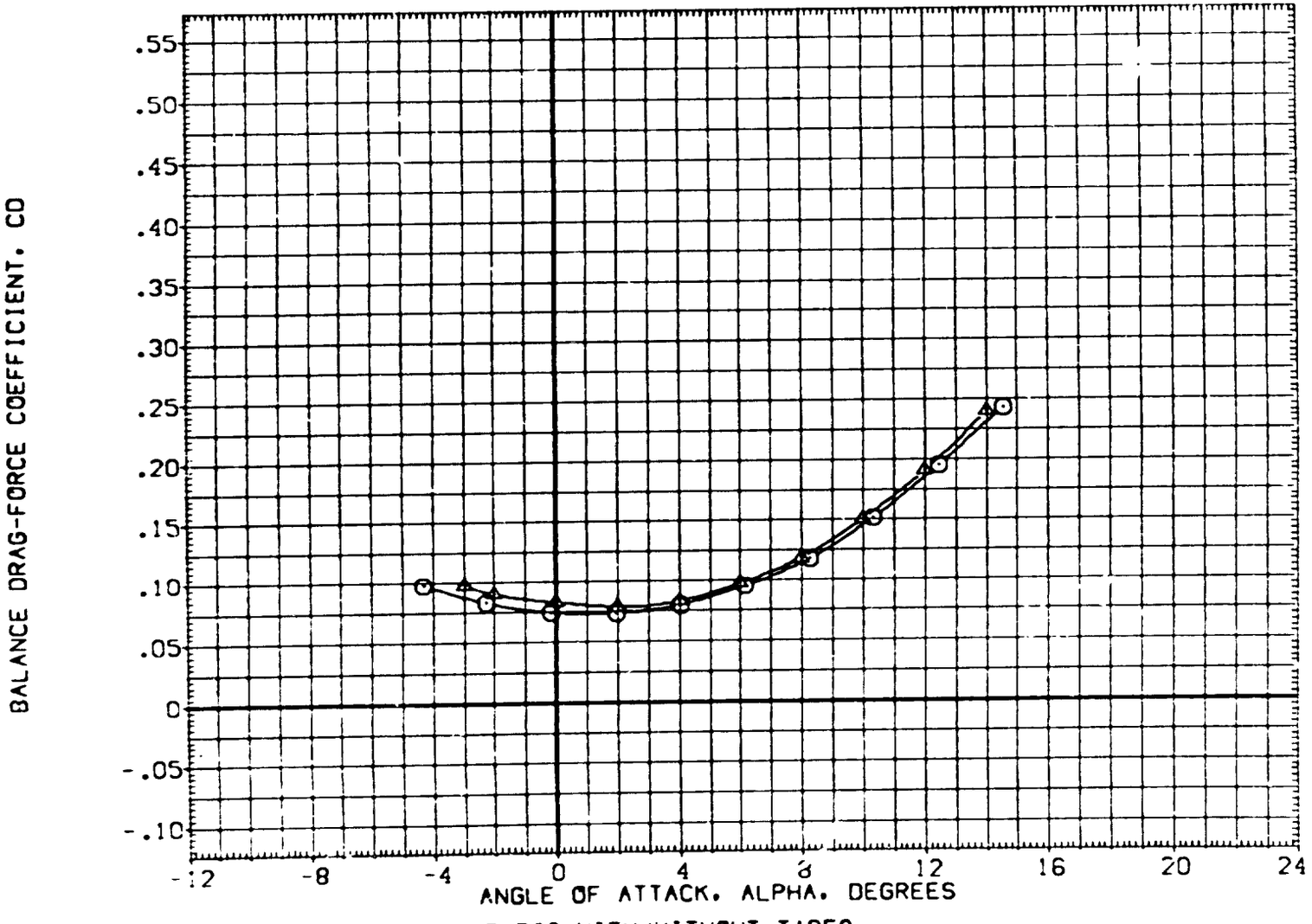


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

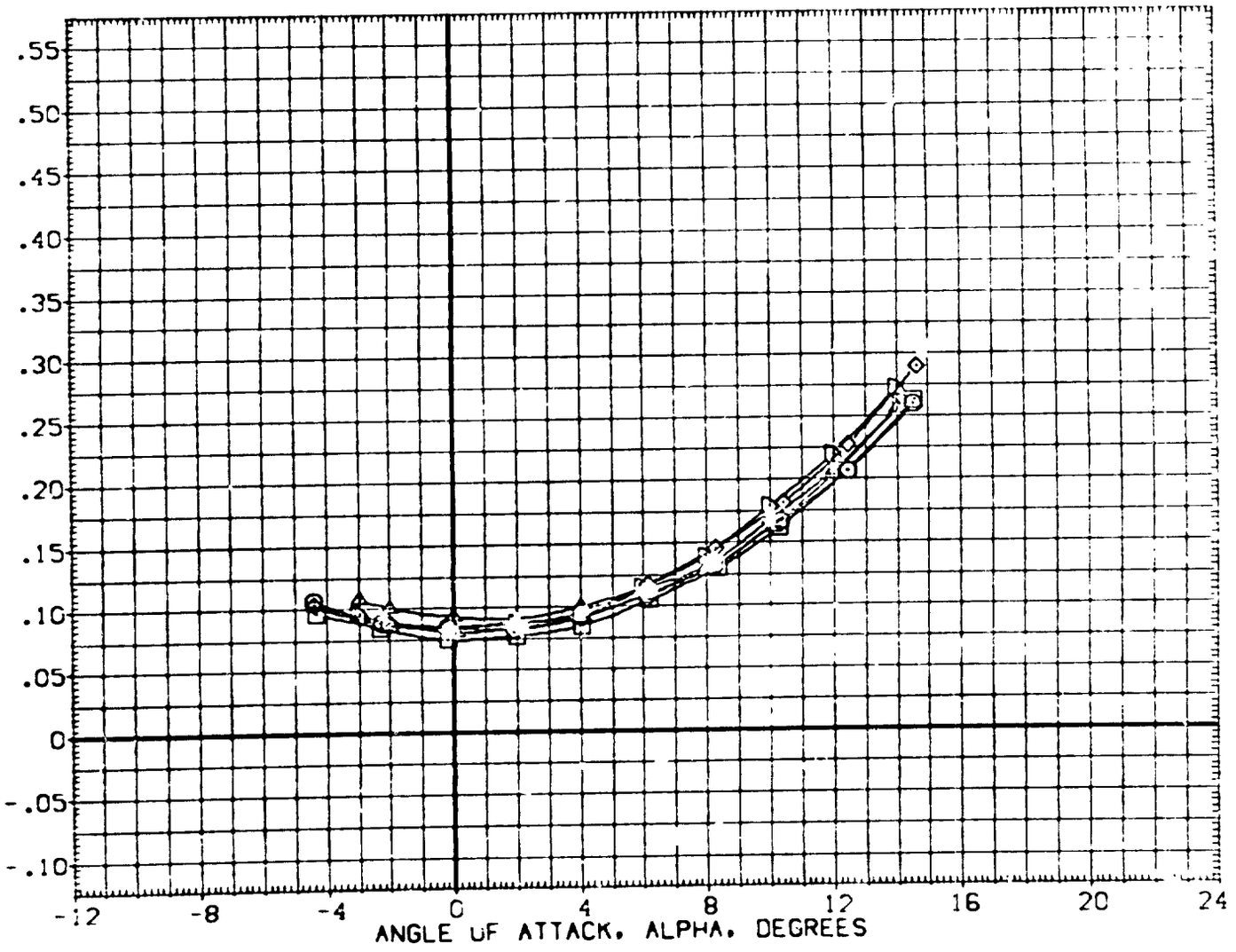


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(1ER019)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(1ER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

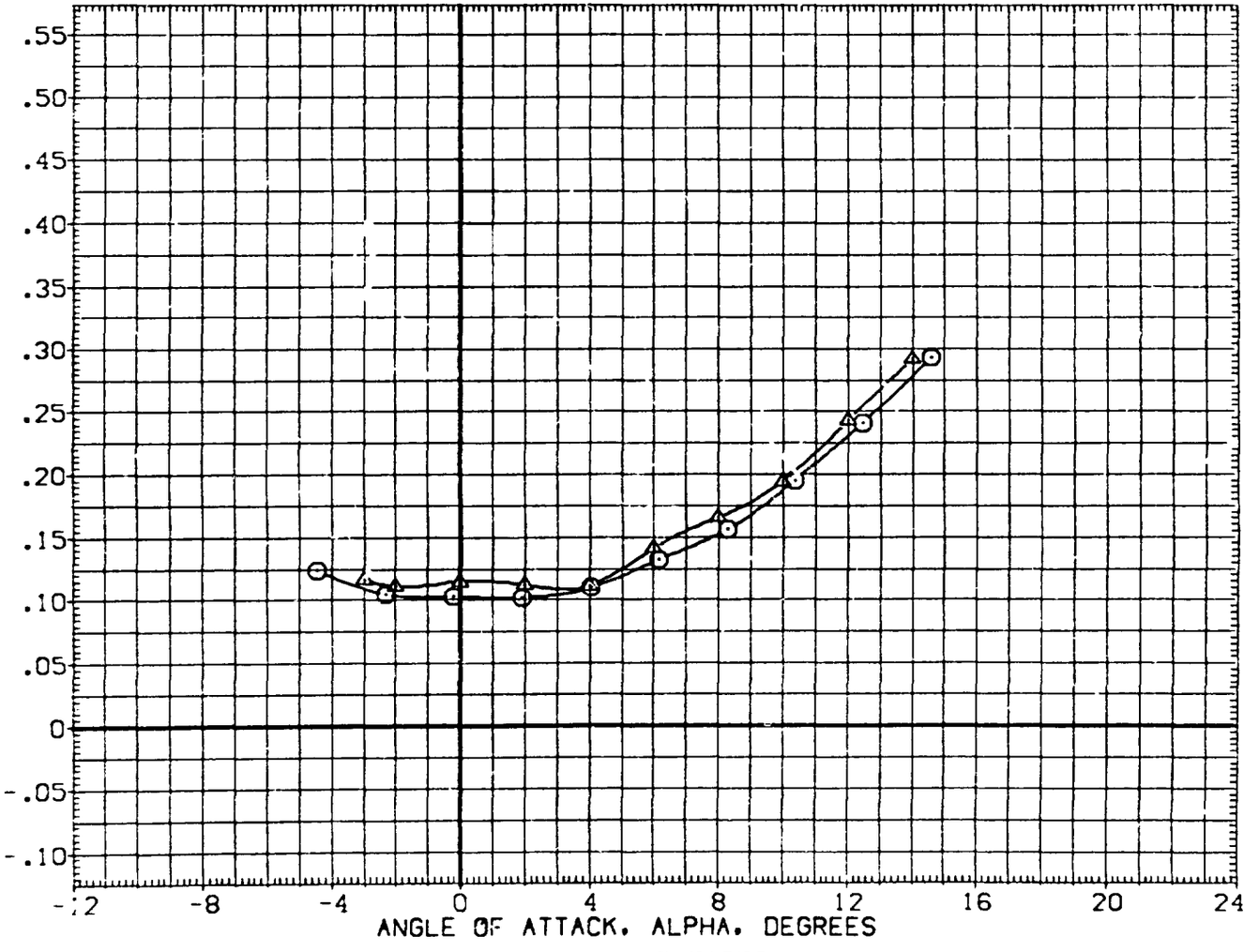


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	◁	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

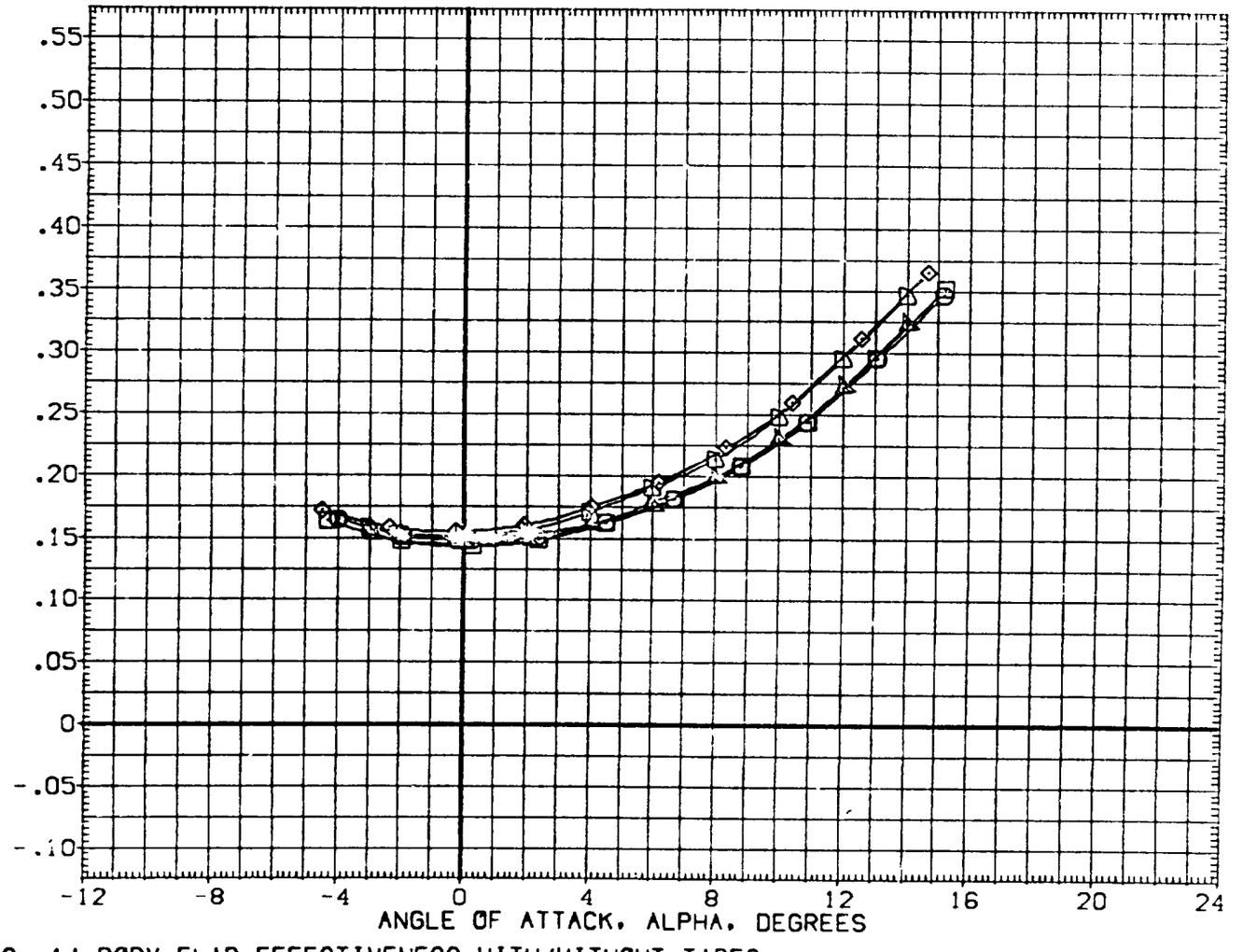


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IFR019)	◸	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◸	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	◸	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

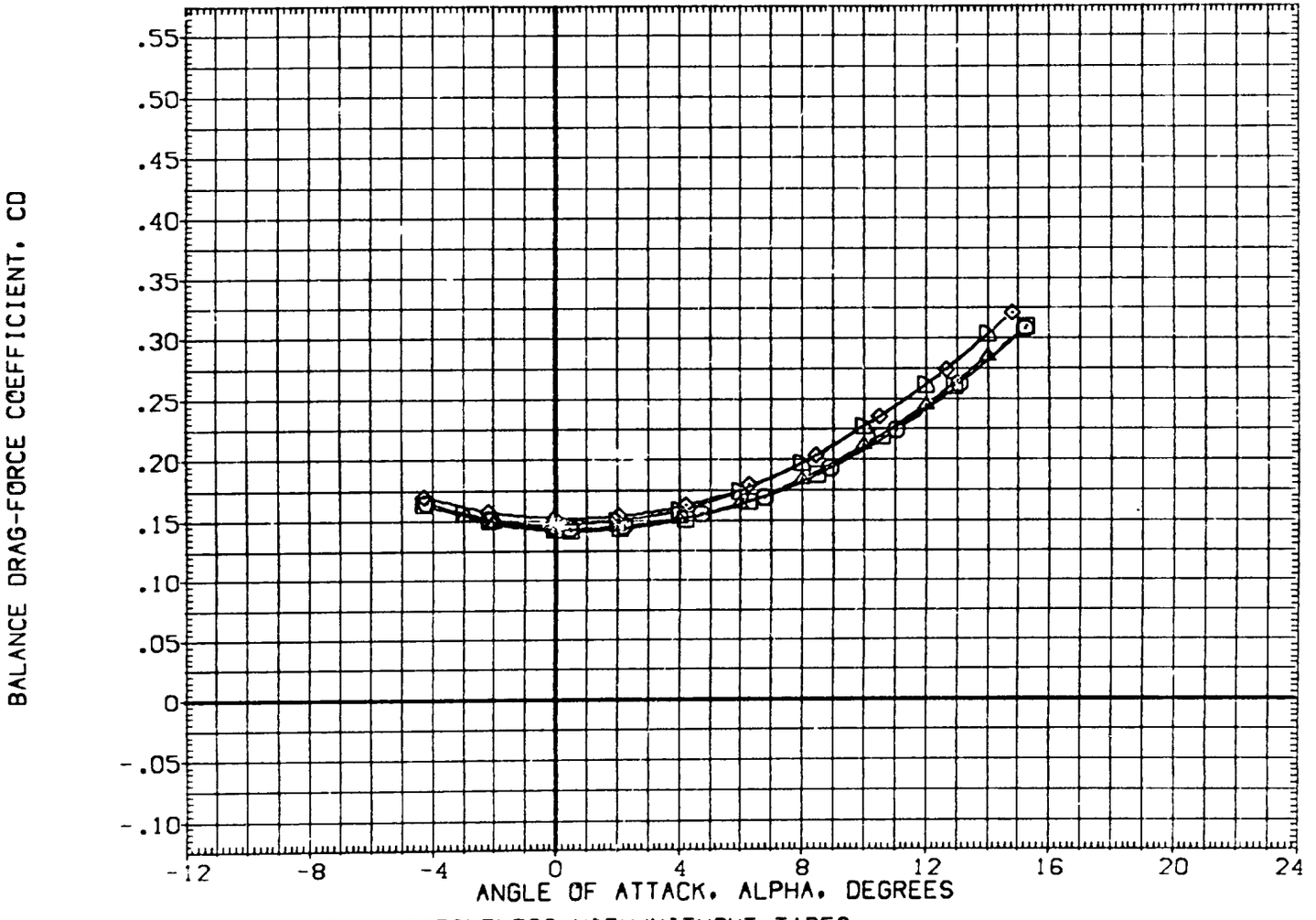


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

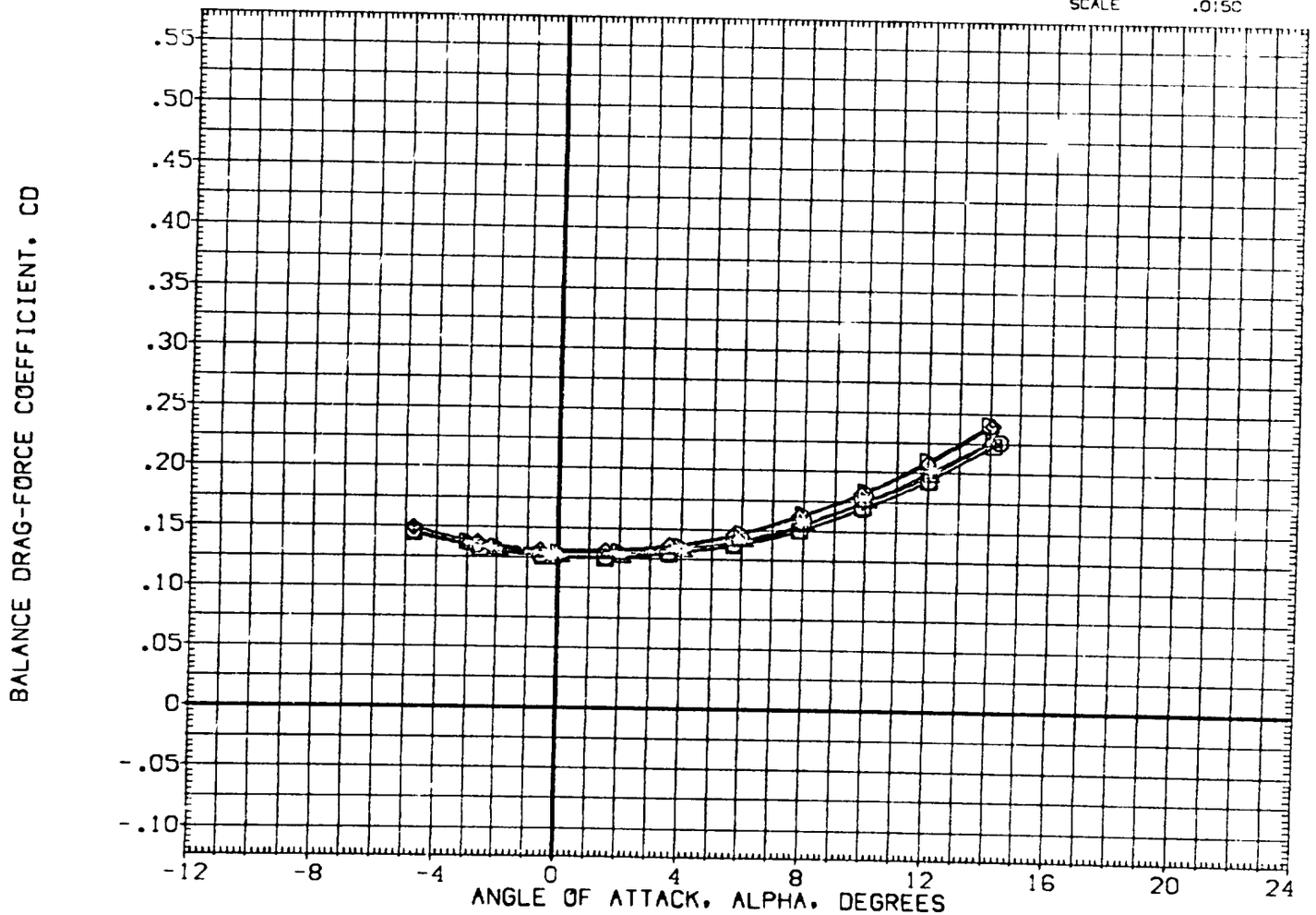


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

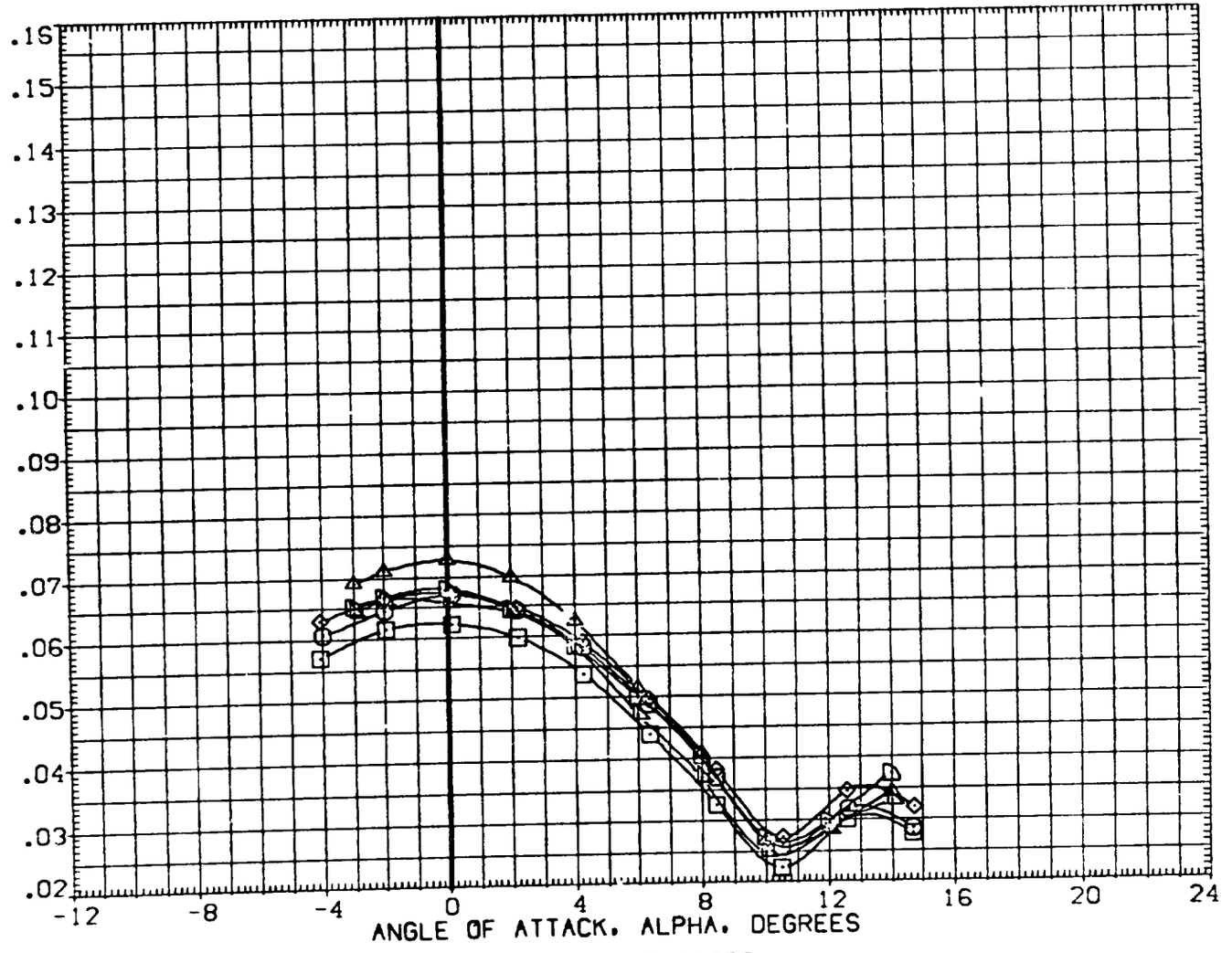


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

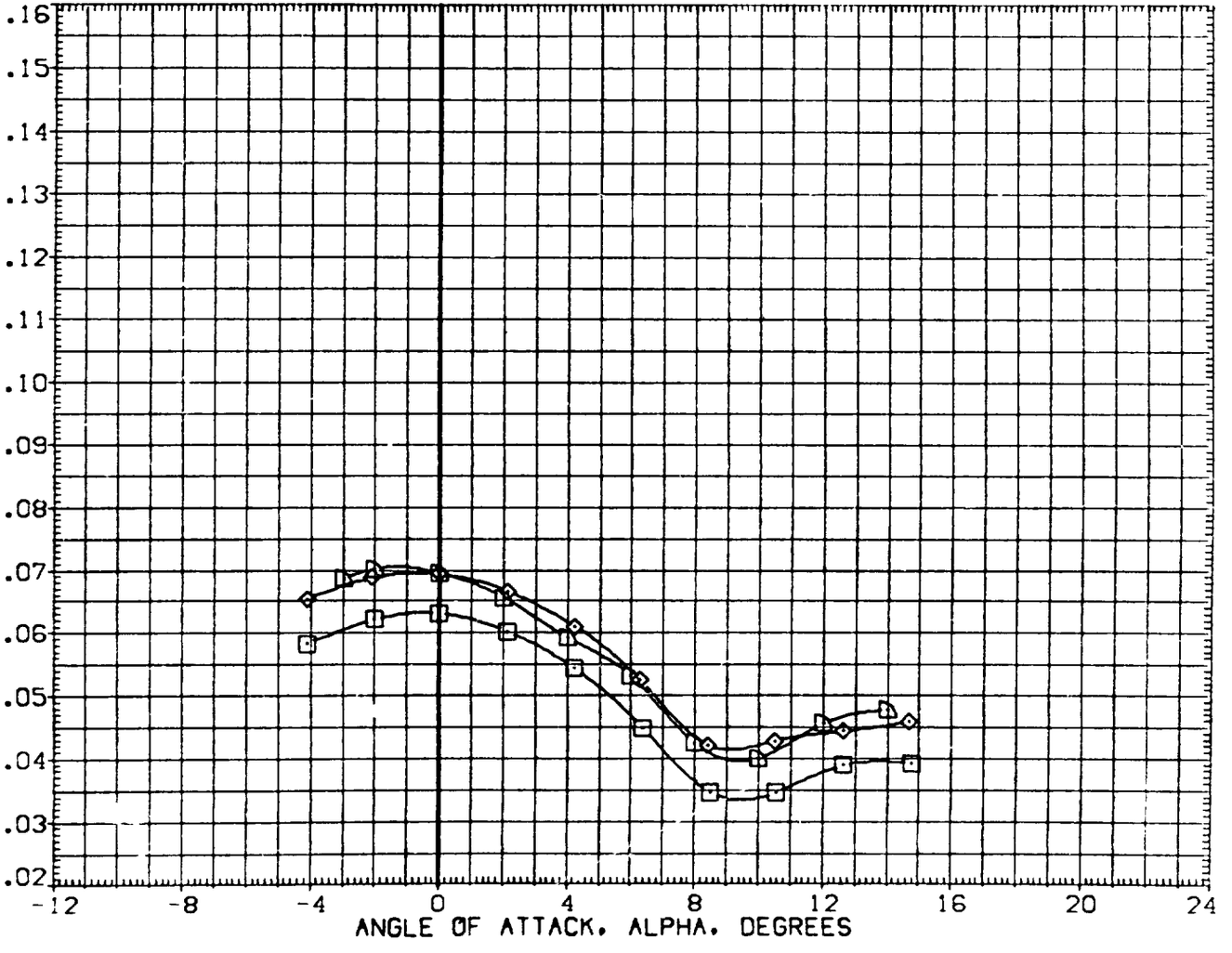


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

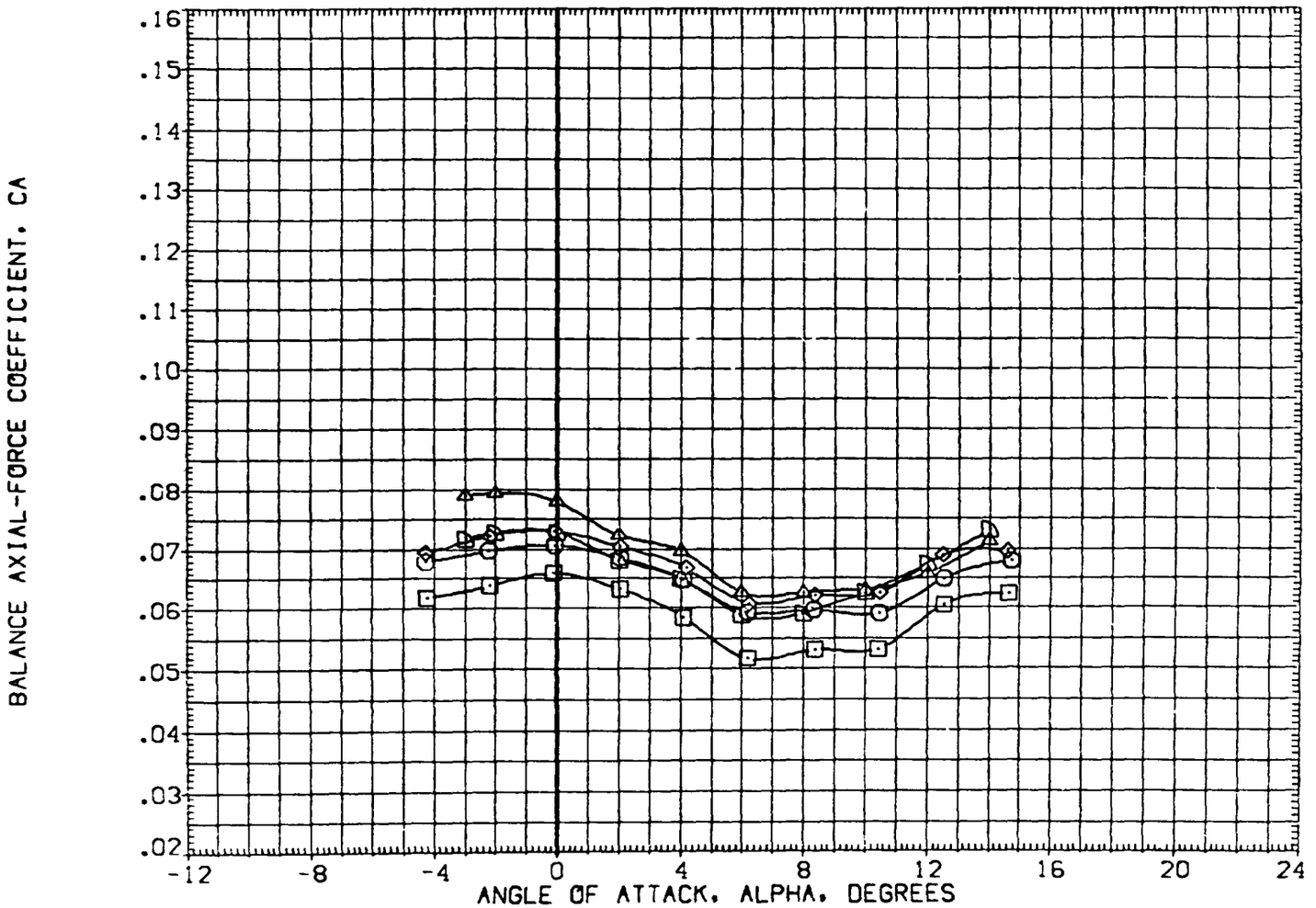


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		DATA NOT AVAILABLE	.000	.000	.000
(CER023)		DATA NOT AVAILABLE	.000	.000	16.300
(IER019)		ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

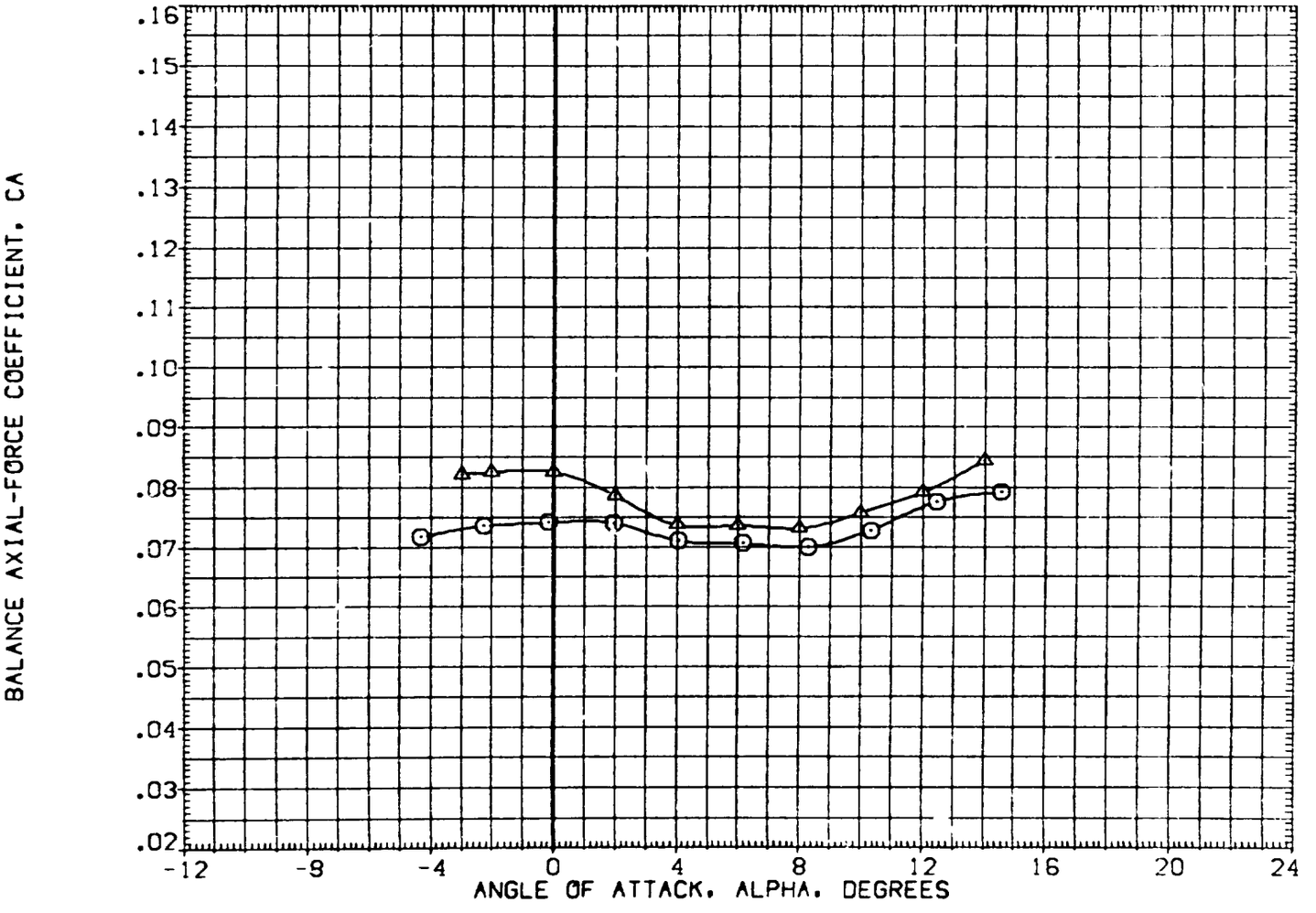


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

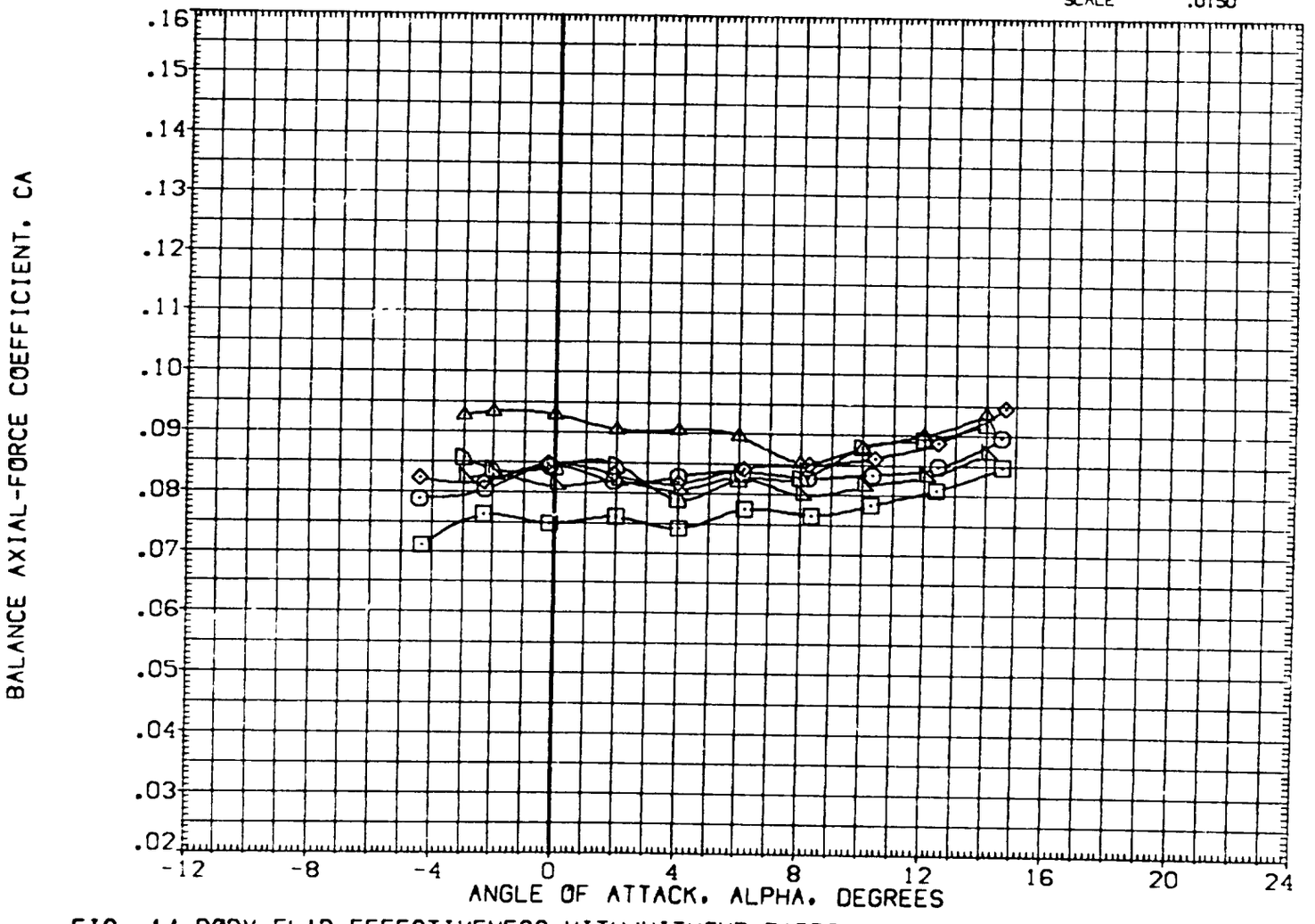


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(CER019)		ARC 66-709 0A59 0A11A-(N24)
(CER022)		DATA NOT AVAILABLE
(CER023)		DATA NOT AVAILABLE
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)
(IER022)		DATA NOT AVAILABLE
(IER023)		DATA NOT AVAILABLE

BETA	ELEVON	BOFLAP
.000	.000	-11.700
.000	.000	.000
.000	.000	16.300
.000	.000	-11.700
.000	.000	.000
.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.170	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

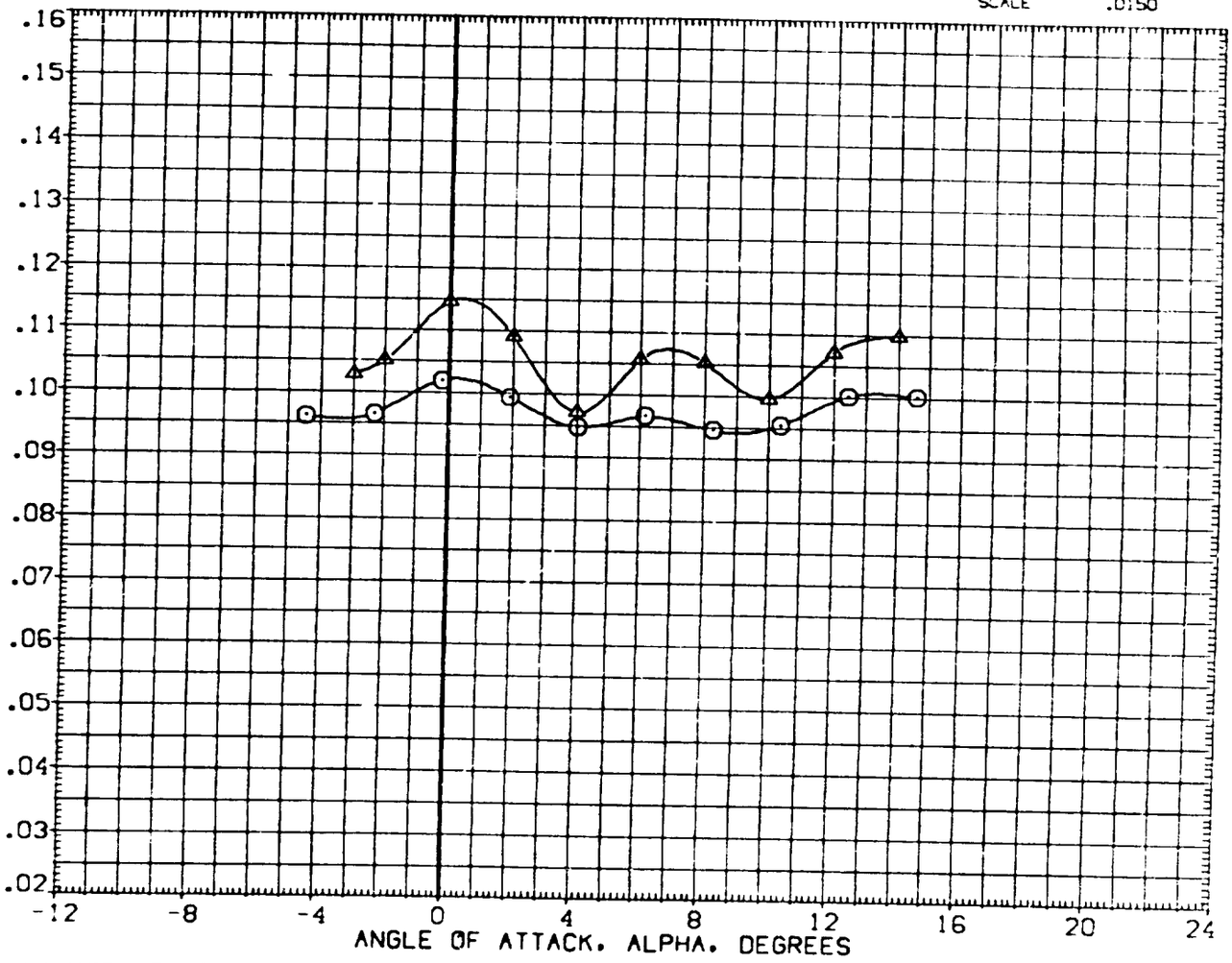


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IERO23)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

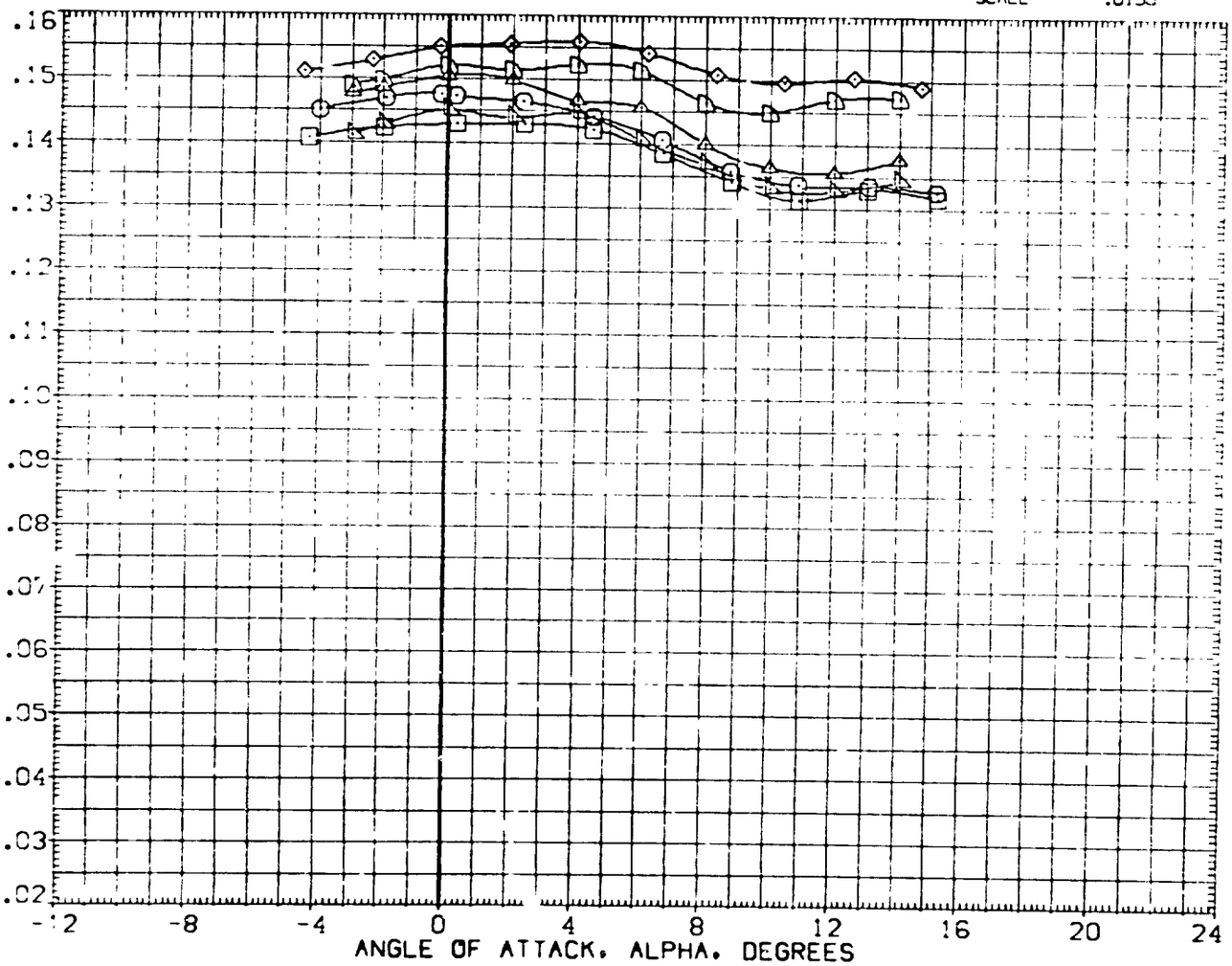


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	◇	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	◇	DATA NOT AVAILABLE	.000	.000	.000
(IERO23)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

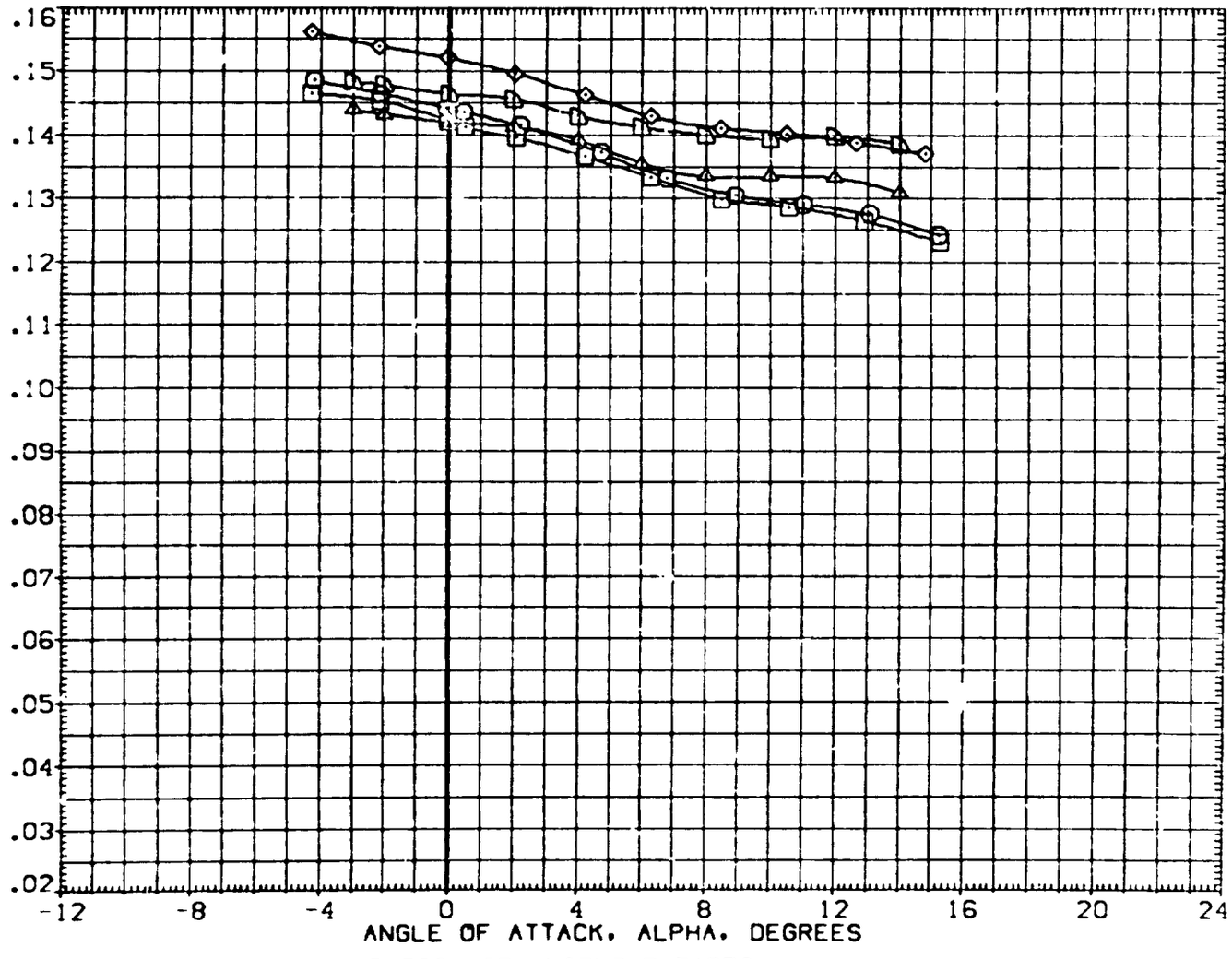


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IERO23)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.170	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

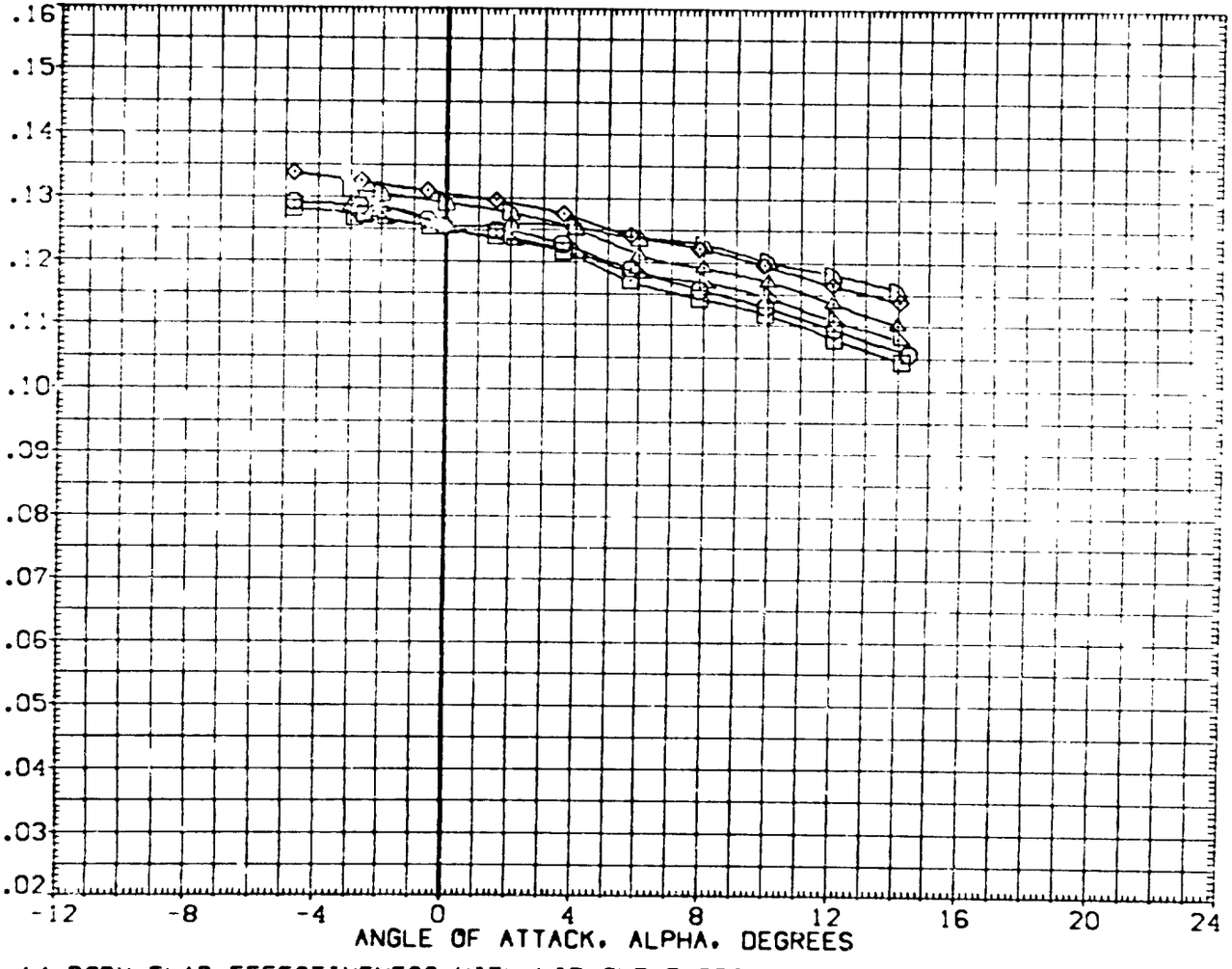


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

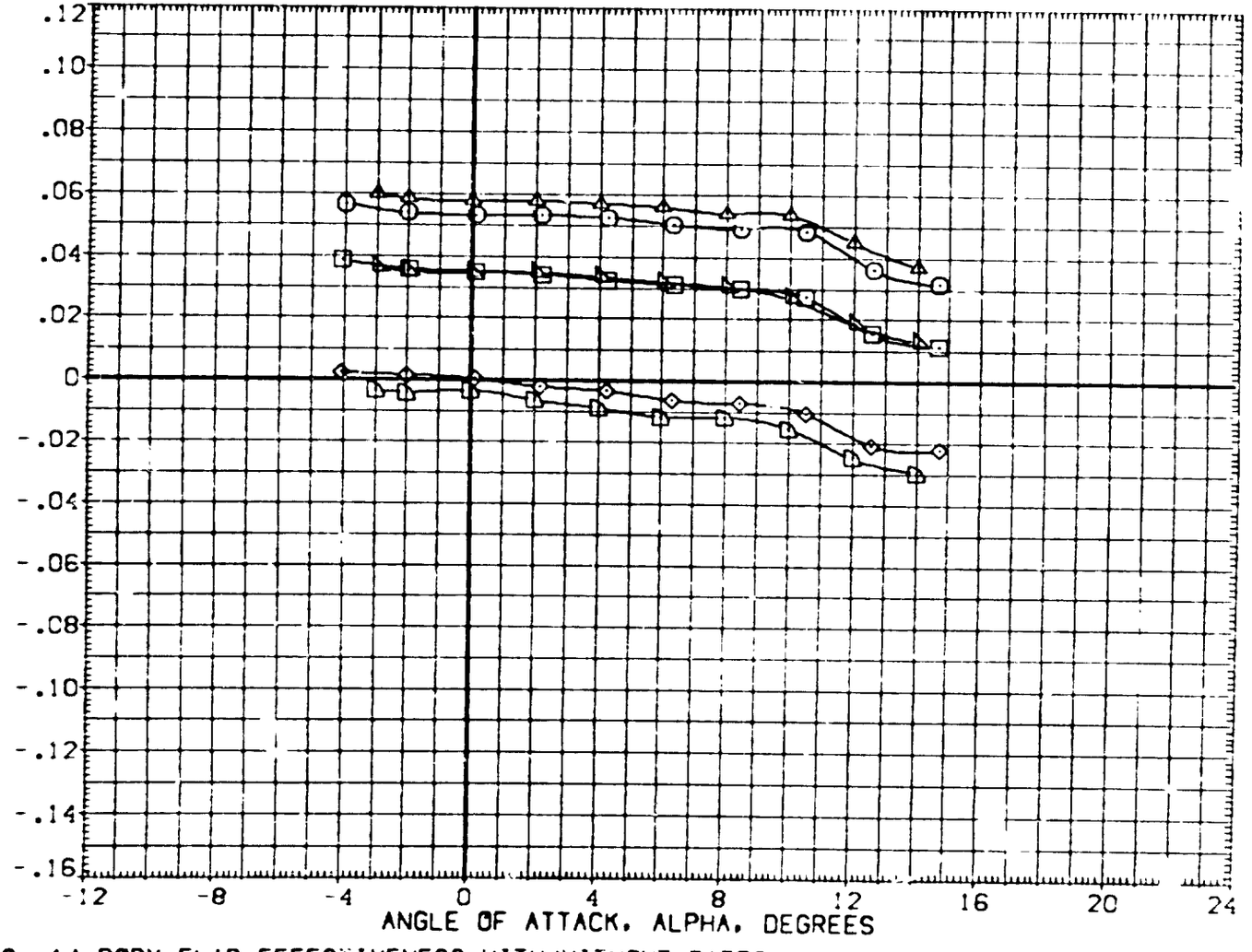


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(IER022)	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	2.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

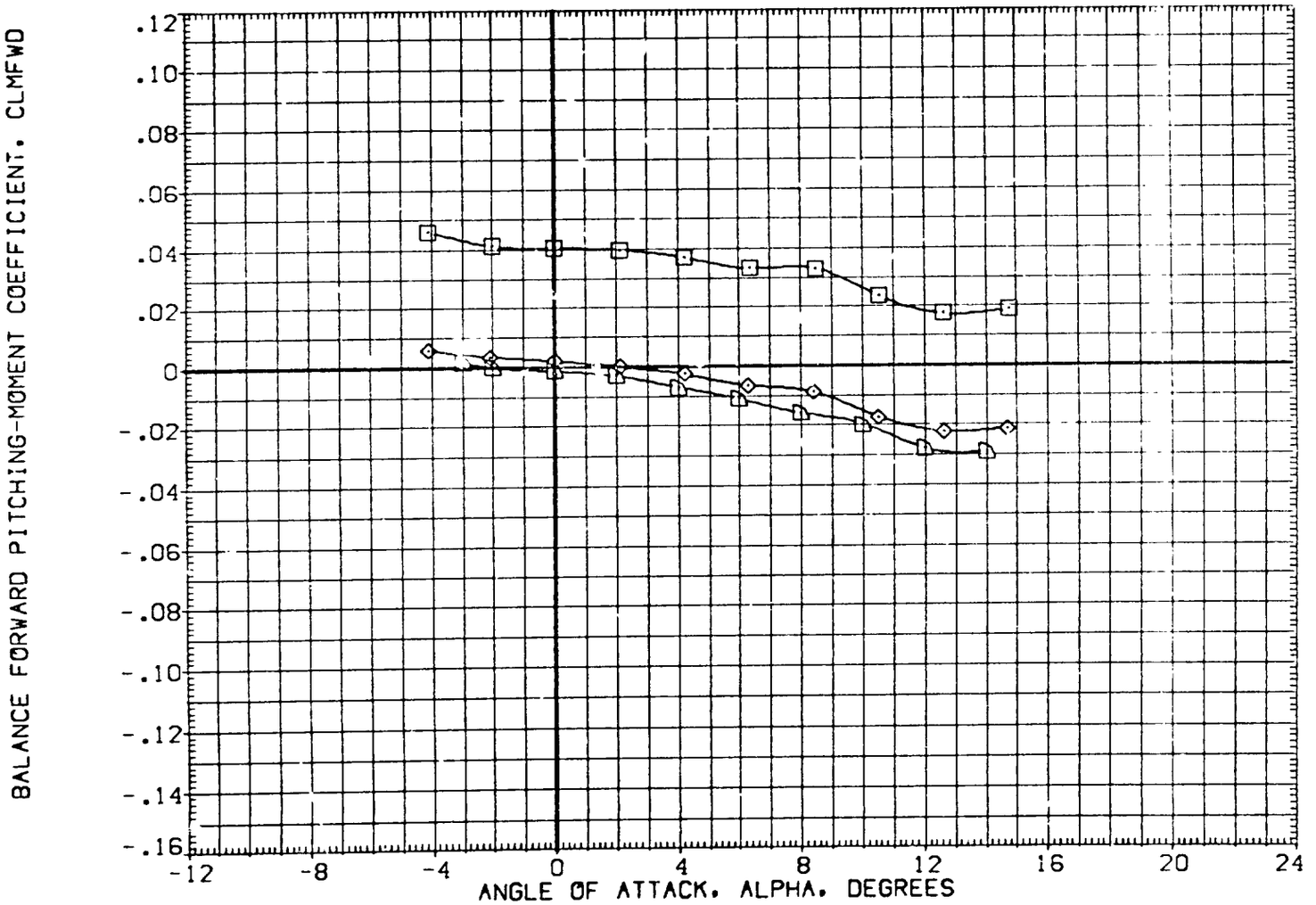


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

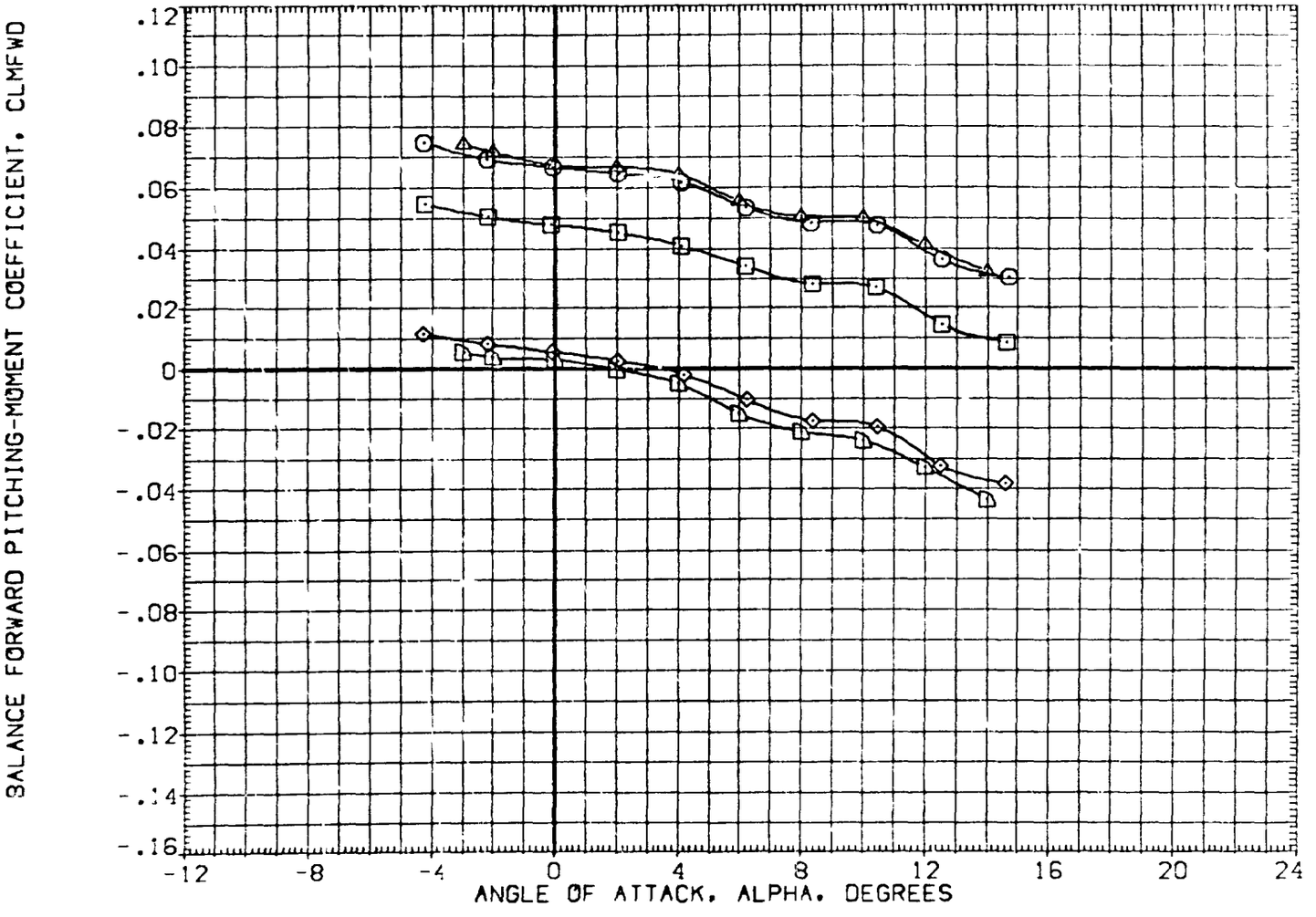


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BODYFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

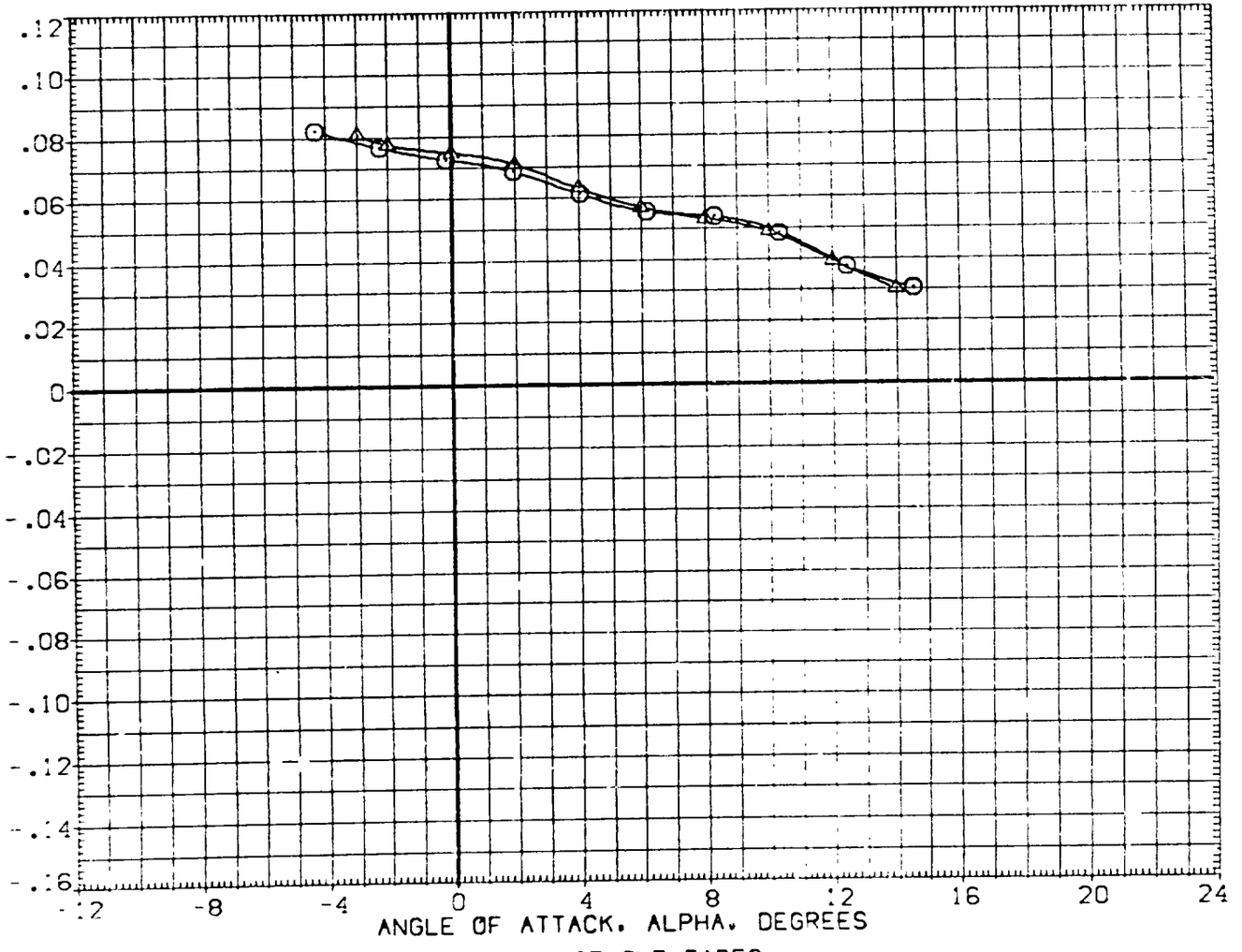


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BODY FLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

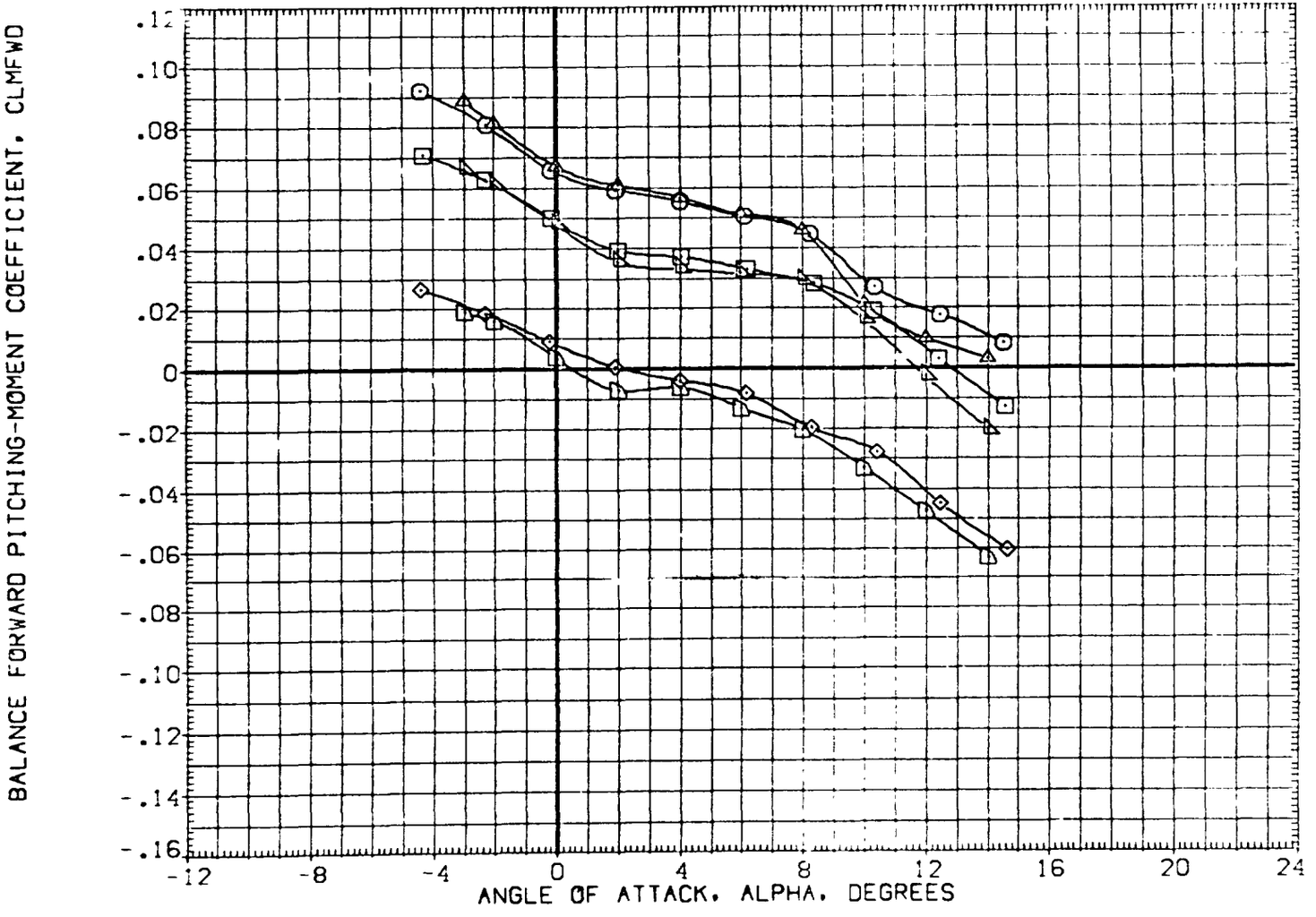


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	△	DATA NOT AVAILABLE	.000	.000	16.300
(IER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	⊙	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	⊕	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

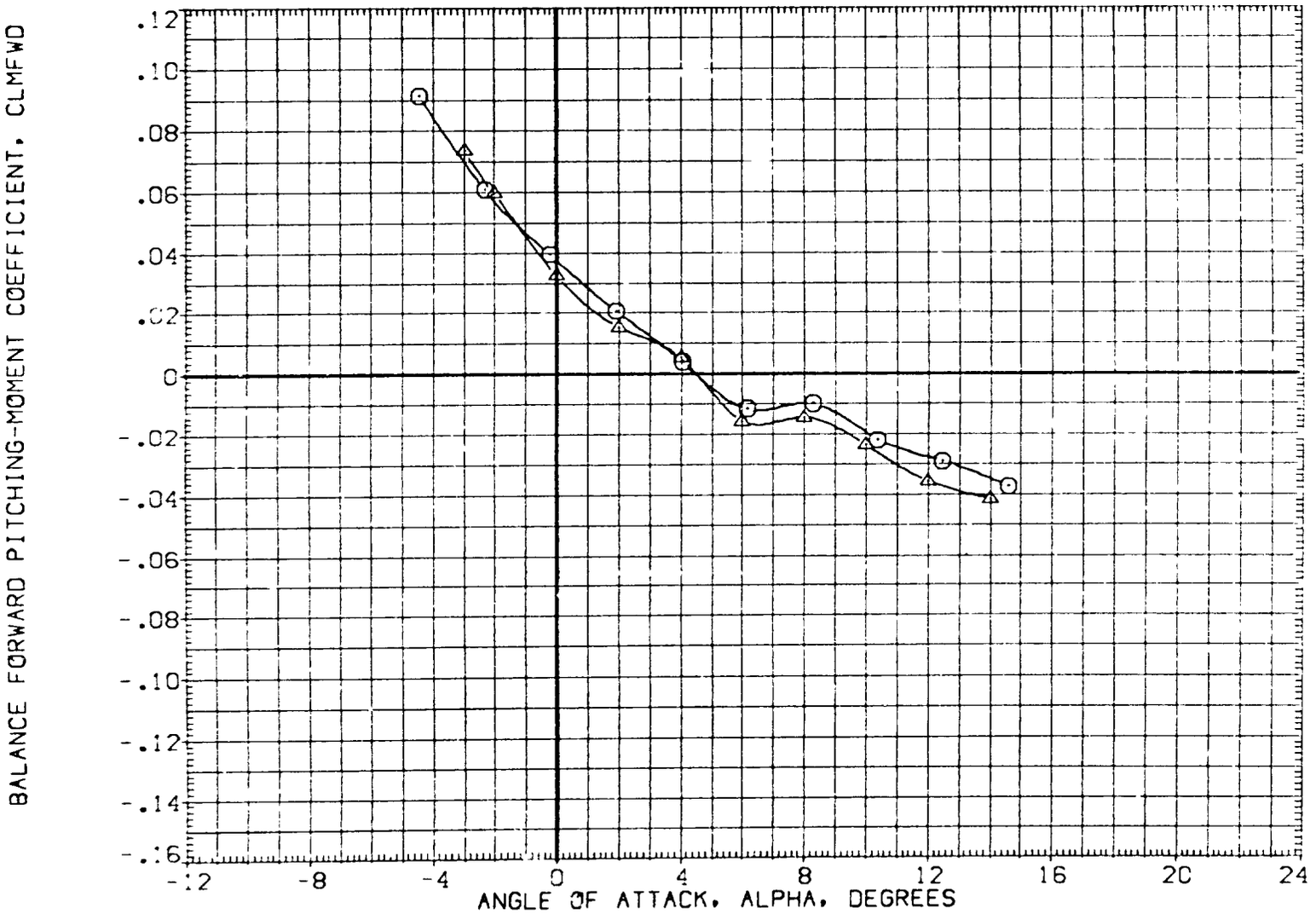


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MAC .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	⊲	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IERO23)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

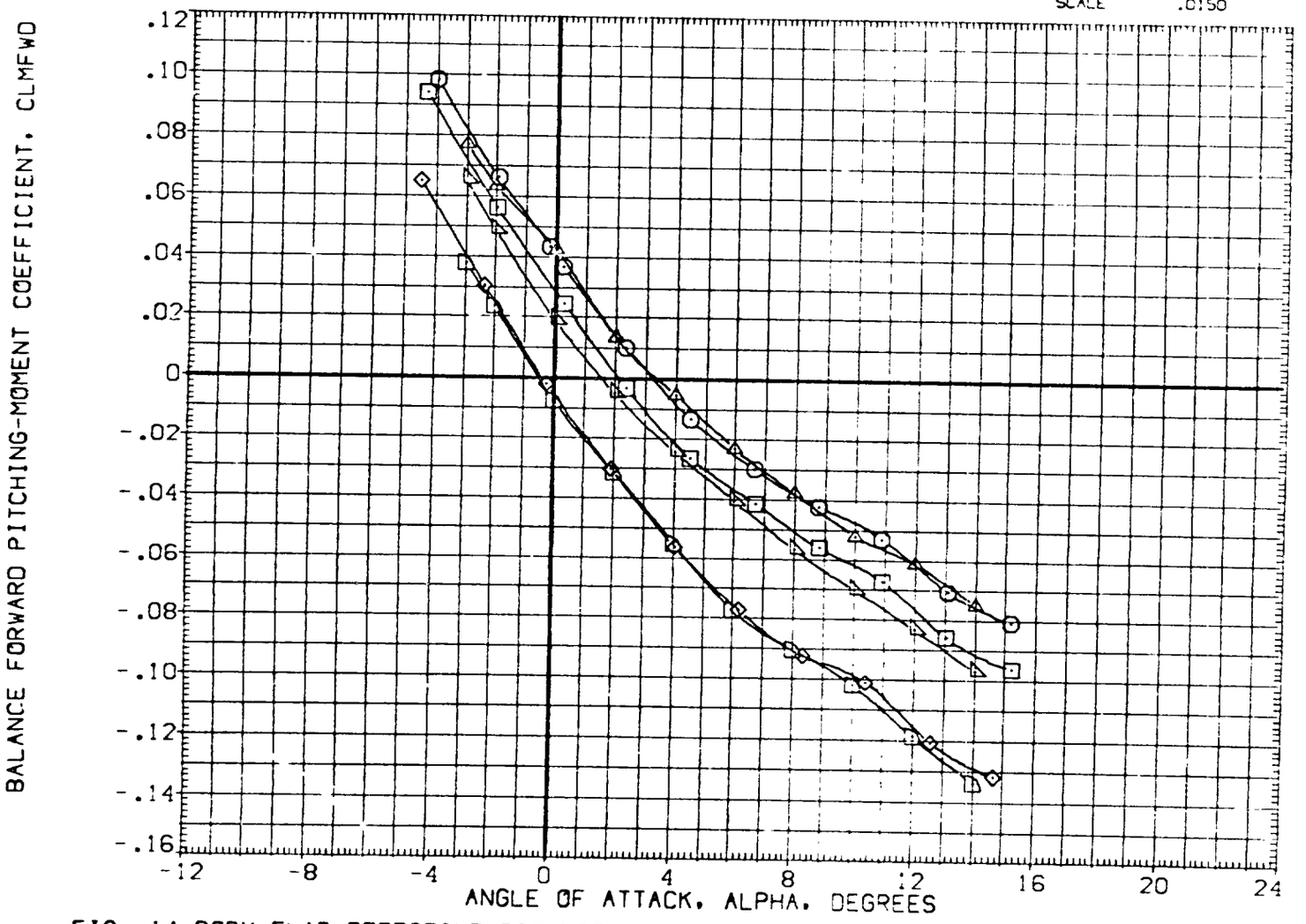


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(TERO19)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(TERO22)	▽	DATA NOT AVAILABLE	.000	.000	.000
(TERO23)	□	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

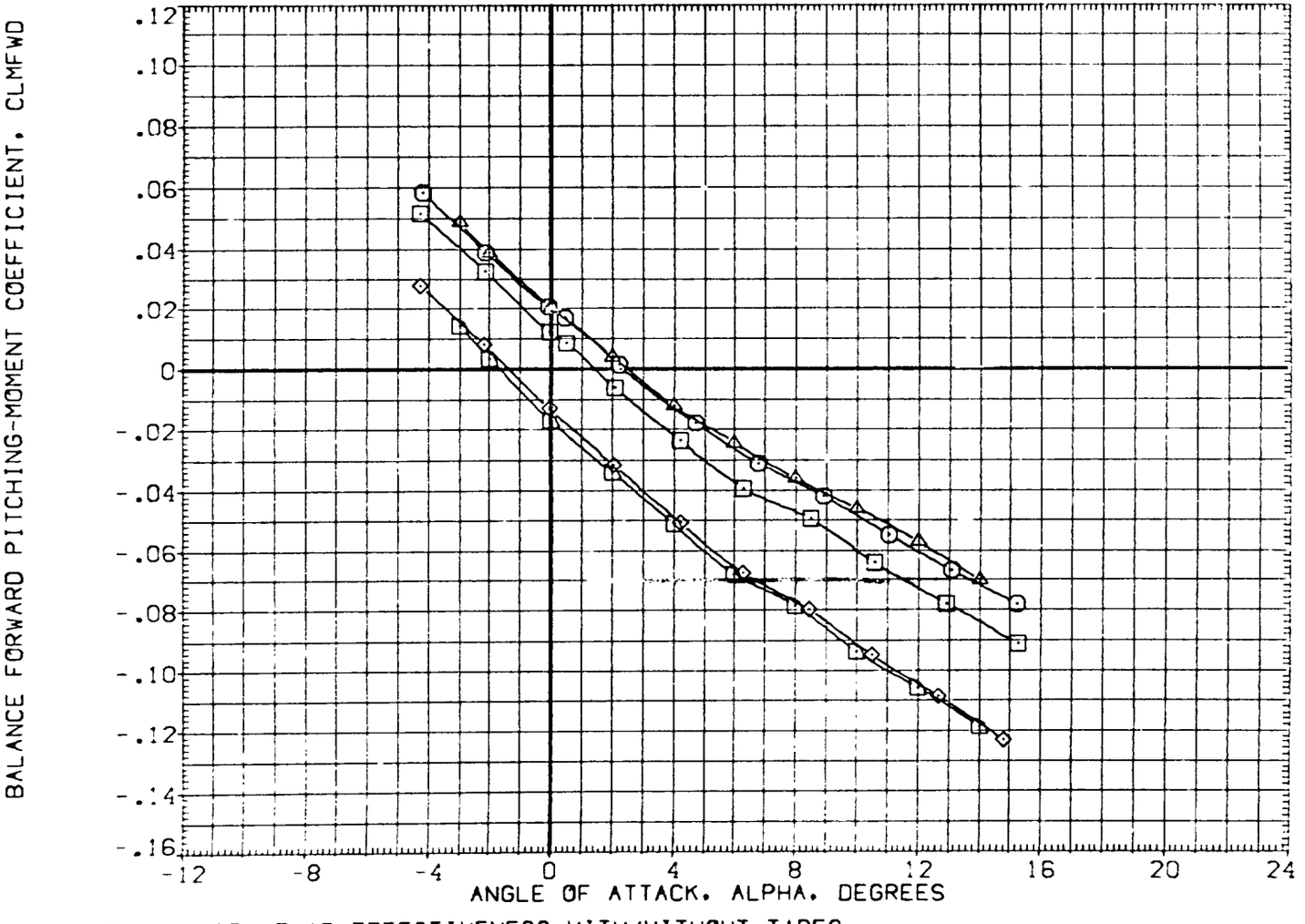


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

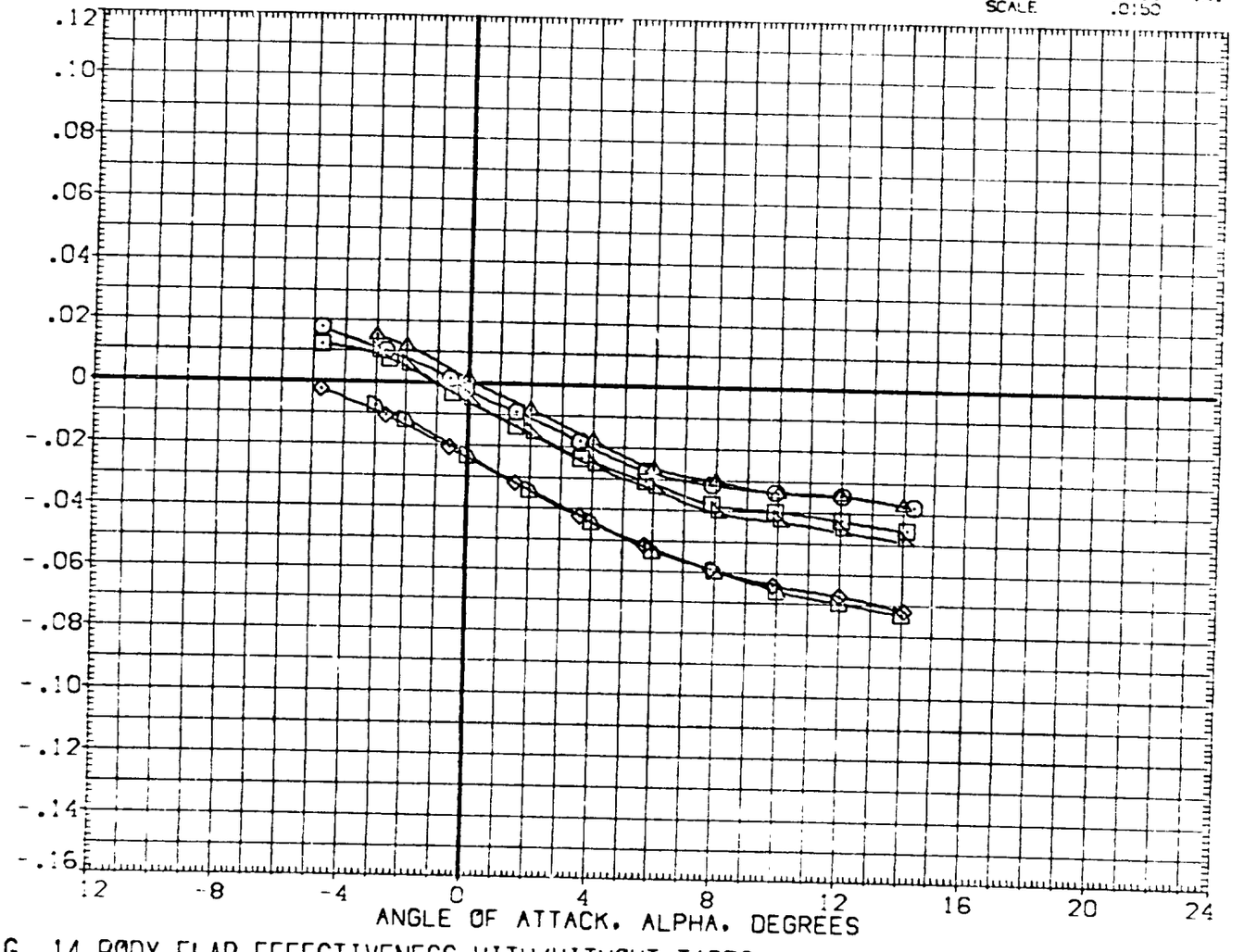


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(CDMAC = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
[illegible]	[illegible]	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
[illegible]	[illegible]	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
[illegible]	[illegible]	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
[illegible]	[illegible]	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
[illegible]	[illegible]	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
[illegible]	[illegible]	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

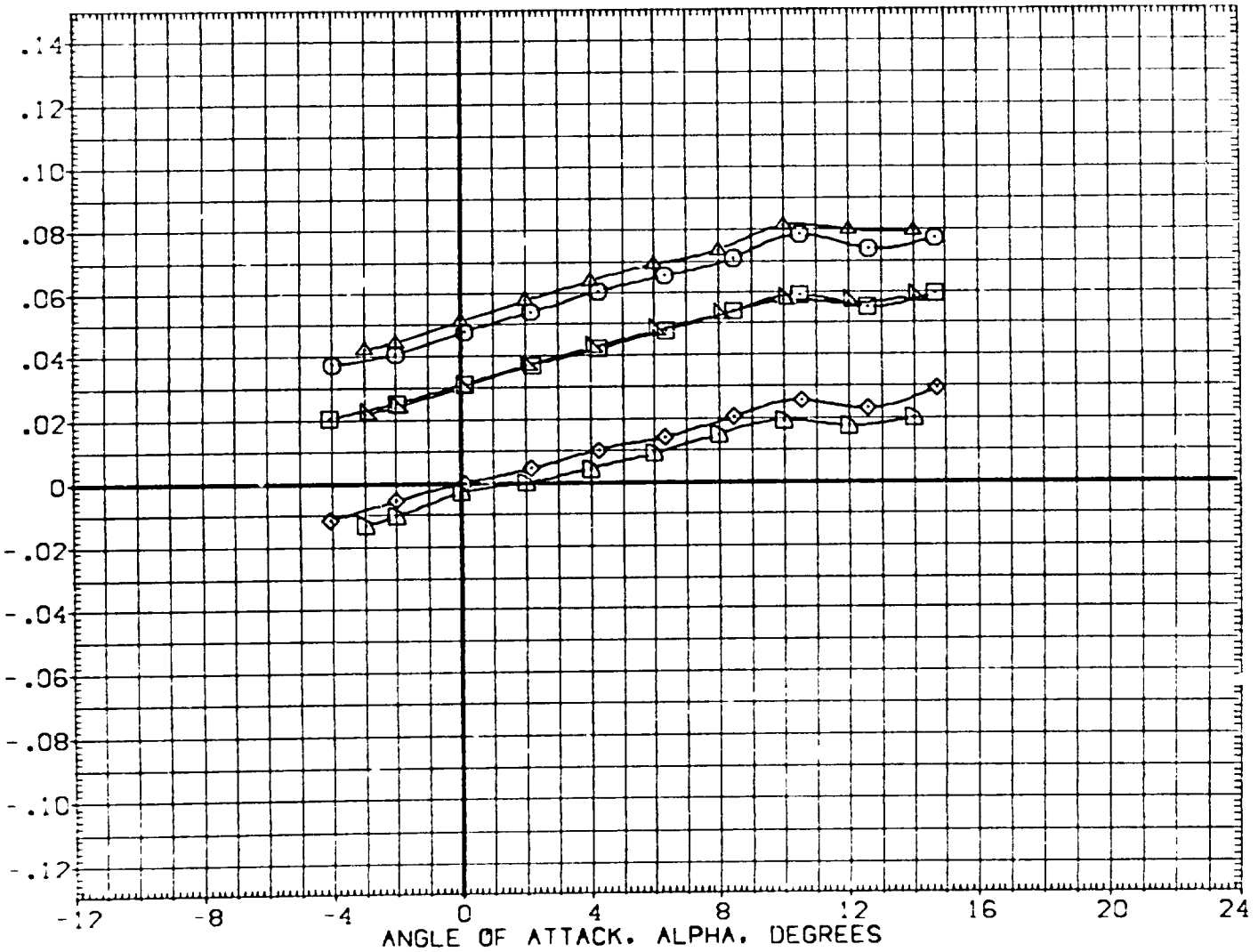


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC[illegible] = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	▷	DATA NOT AVAILABLE	.000	.000	-11.700
(IERO22)	▽	DATA NOT AVAILABLE	.000	.000	.000
(IERO23)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5930	FT.
BREF	1.1715	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

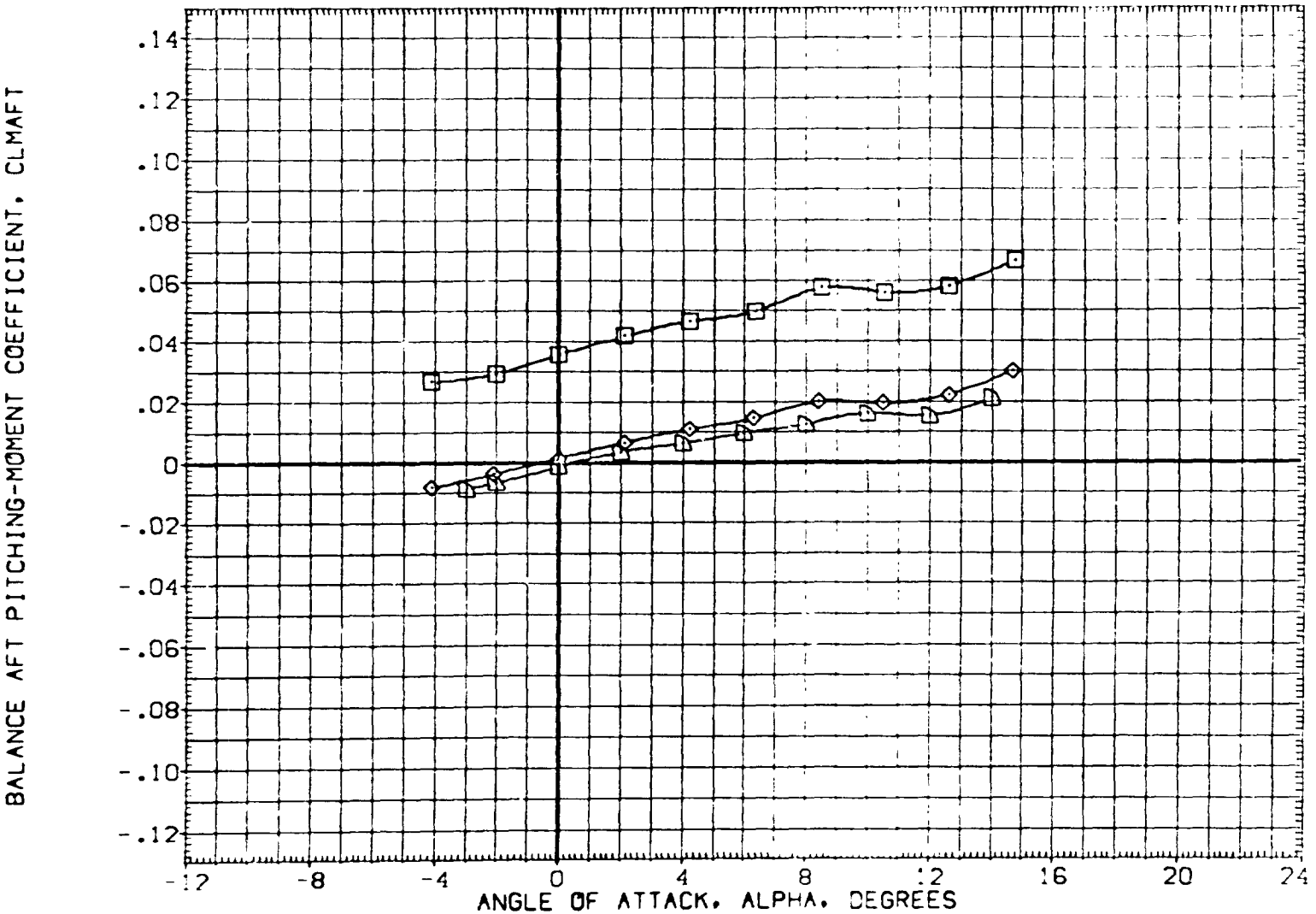


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)		ARC 66-709 OA59 OA11A-(N24)	.000	.000	-11.700
(CERO22)		ARC 66-709 OA59 OA11A-(N24)	.000	.000	.000
(CERO23)		ARC 66-709 OA59 OA11A-(N24)	.000	.000	16.300
(IERO19)		ARC 66-709 OA59 OA11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)		DATA NOT AVAILABLE	.000	.000	.000
(IERO23)		ARC 66-709 OA59 OA11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

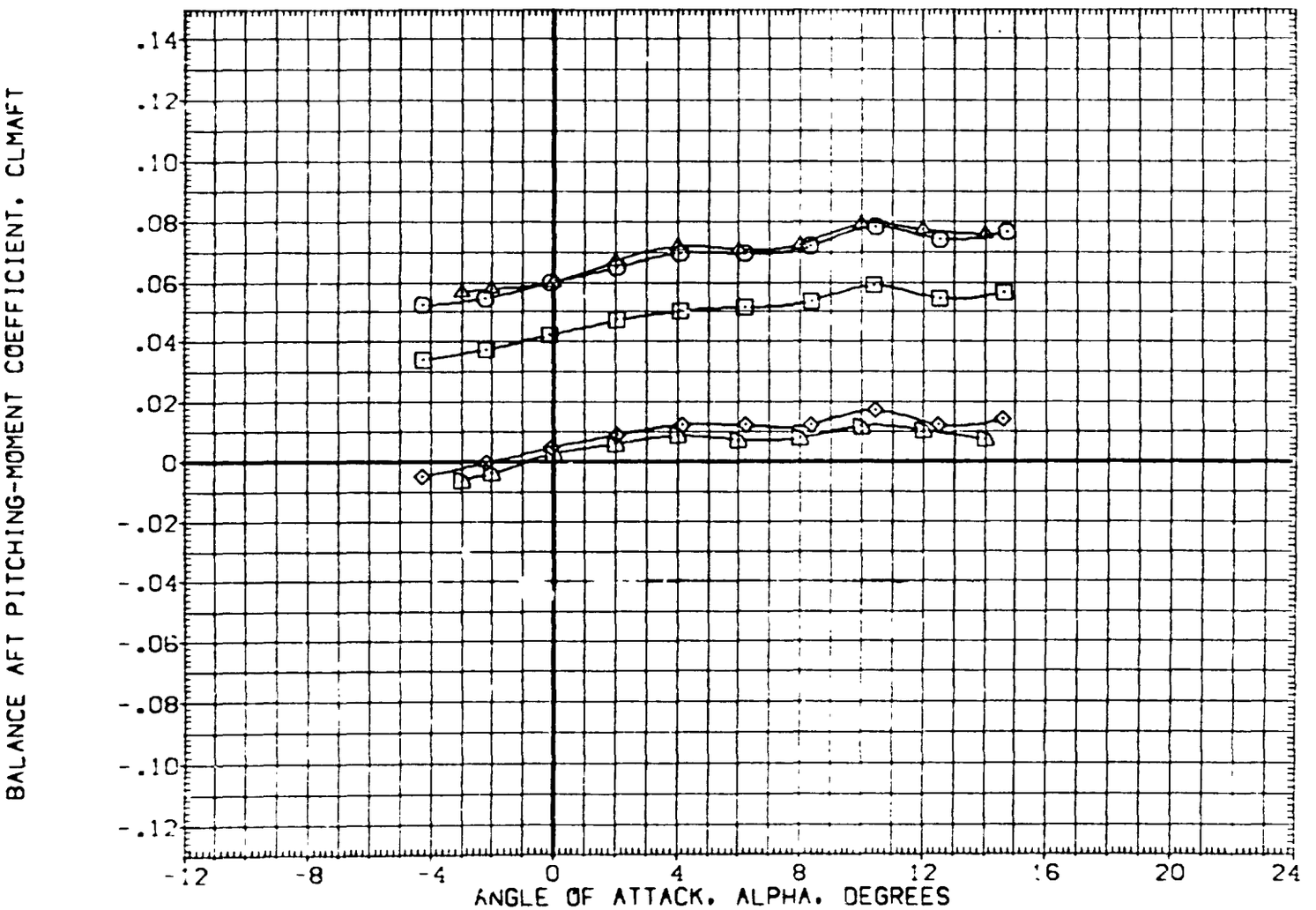


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)		DATA NOT AVAILABLE	.000	.000	.000
(CERO23)		DATA NOT AVAILABLE	.000	.000	16.300
(IERO19)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)		DATA NOT AVAILABLE	.000	.000	.000
(IERO23)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

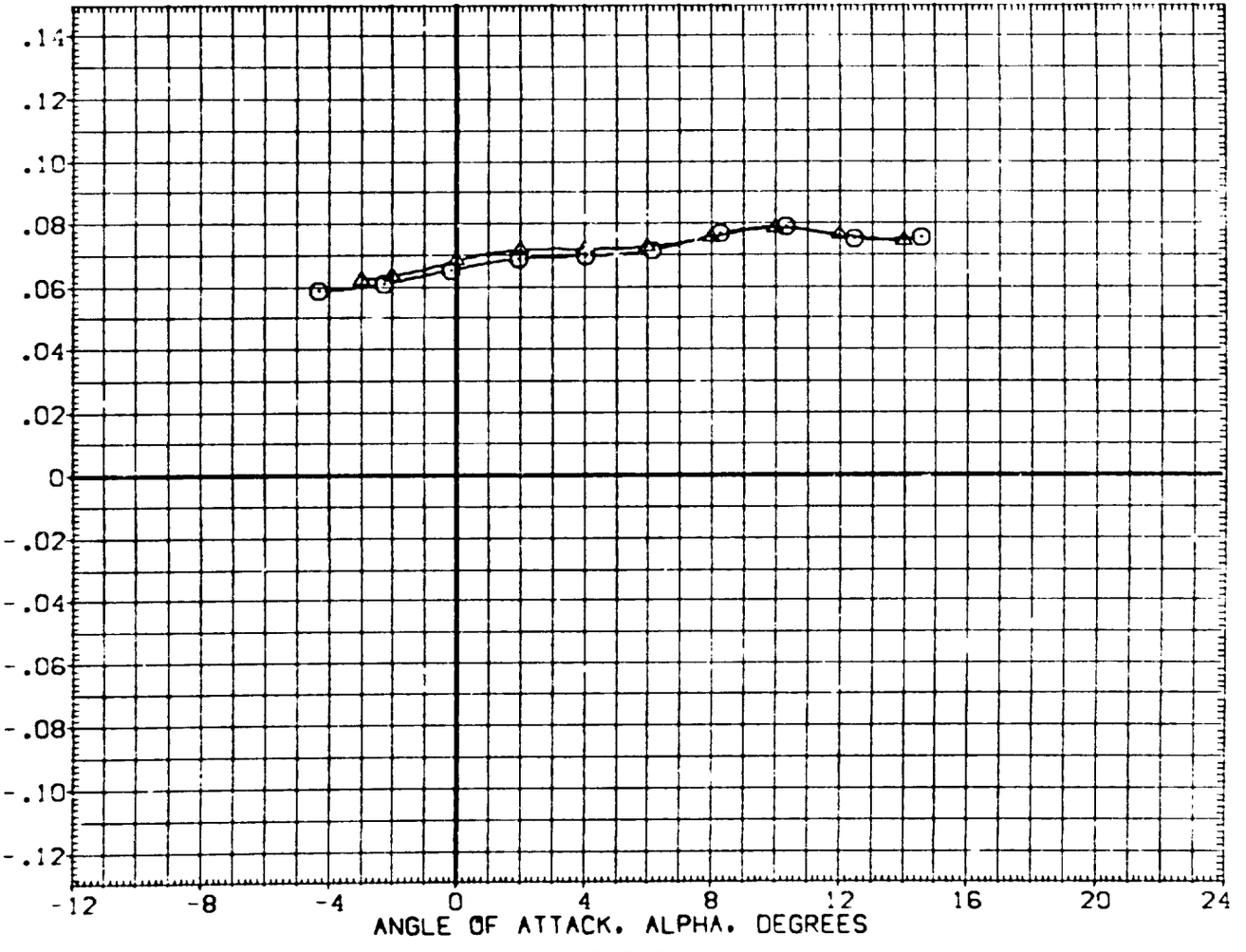


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MAC= .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	⊡	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	⋄	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

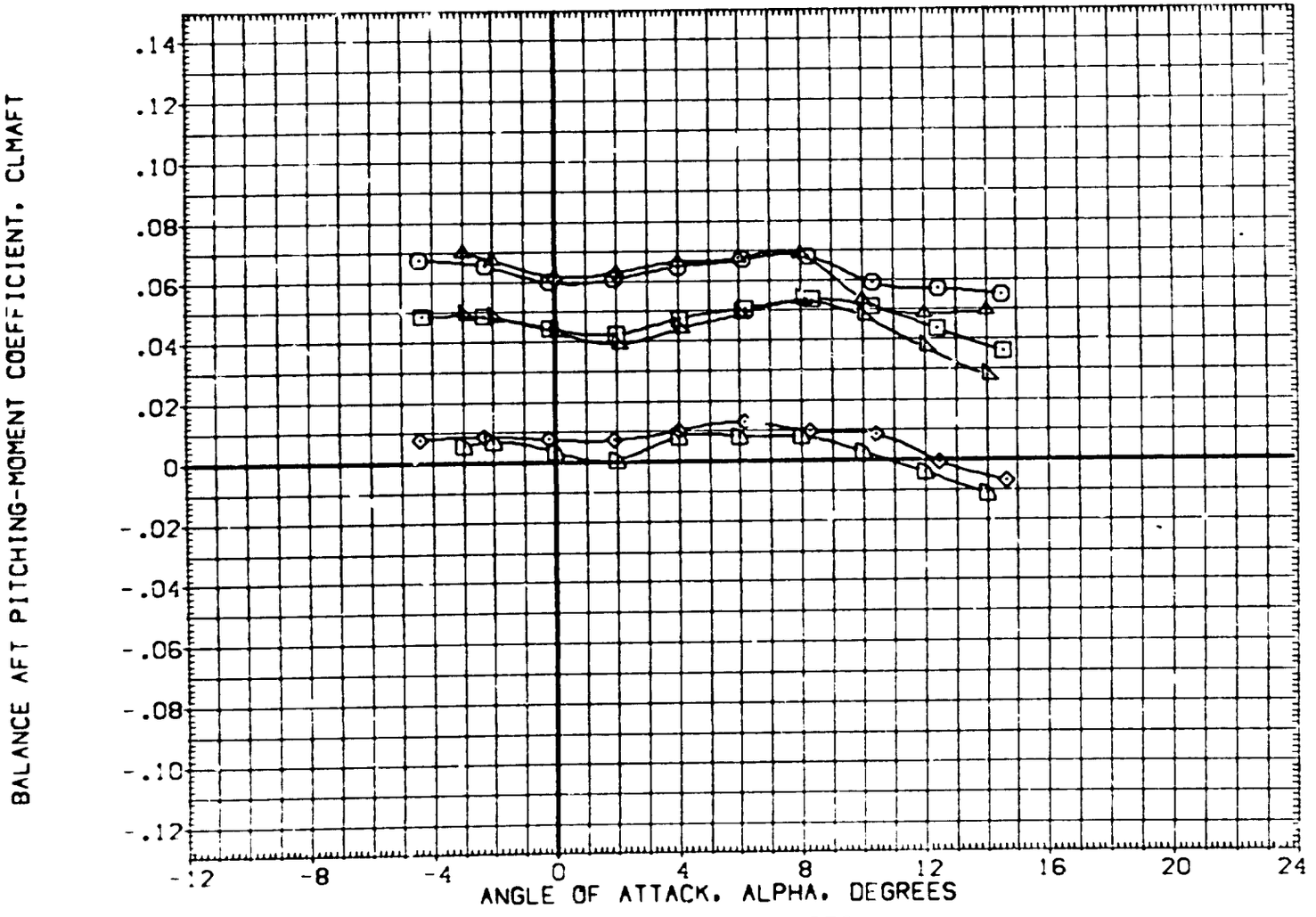


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

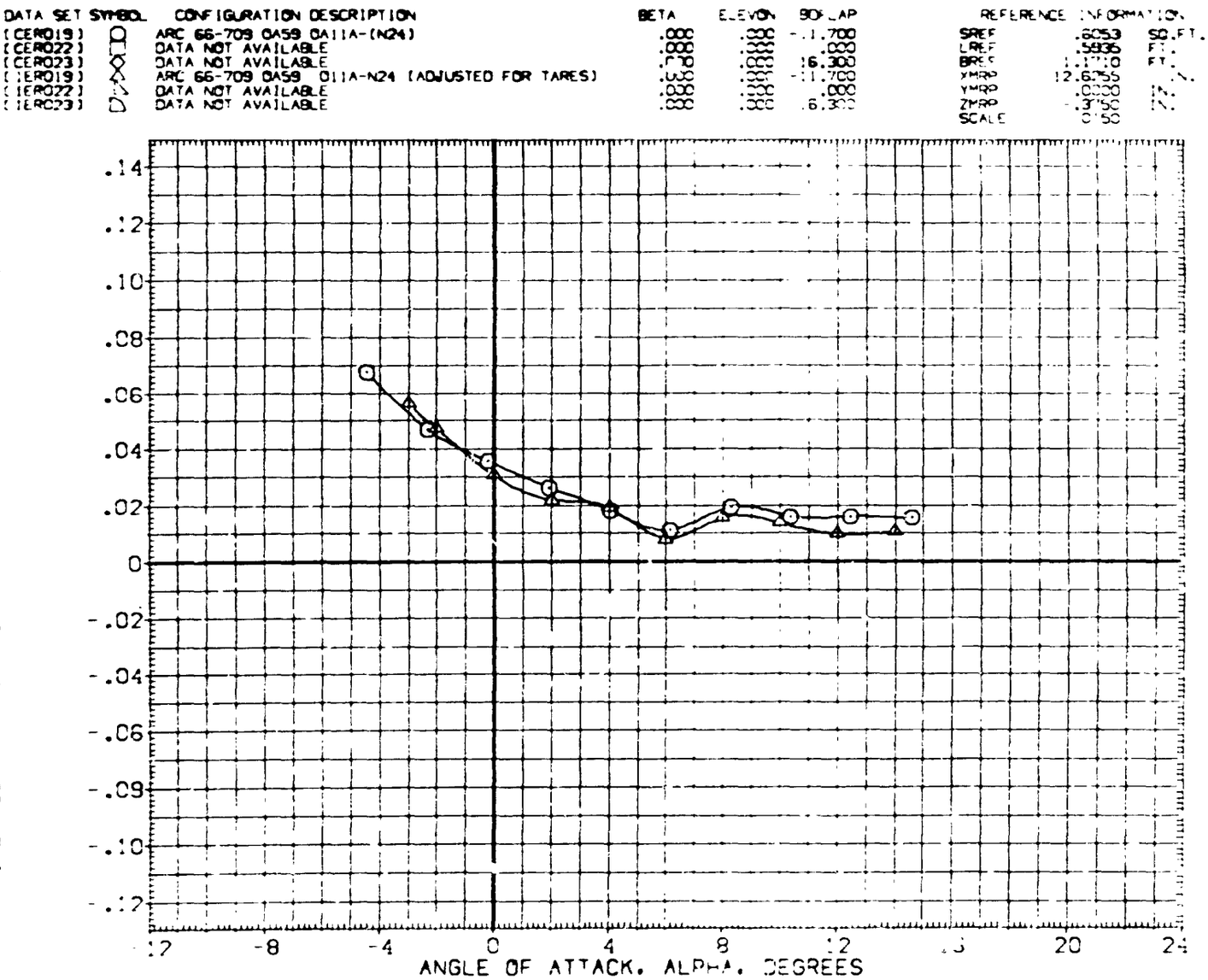


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BET.	ELEVON	BOFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

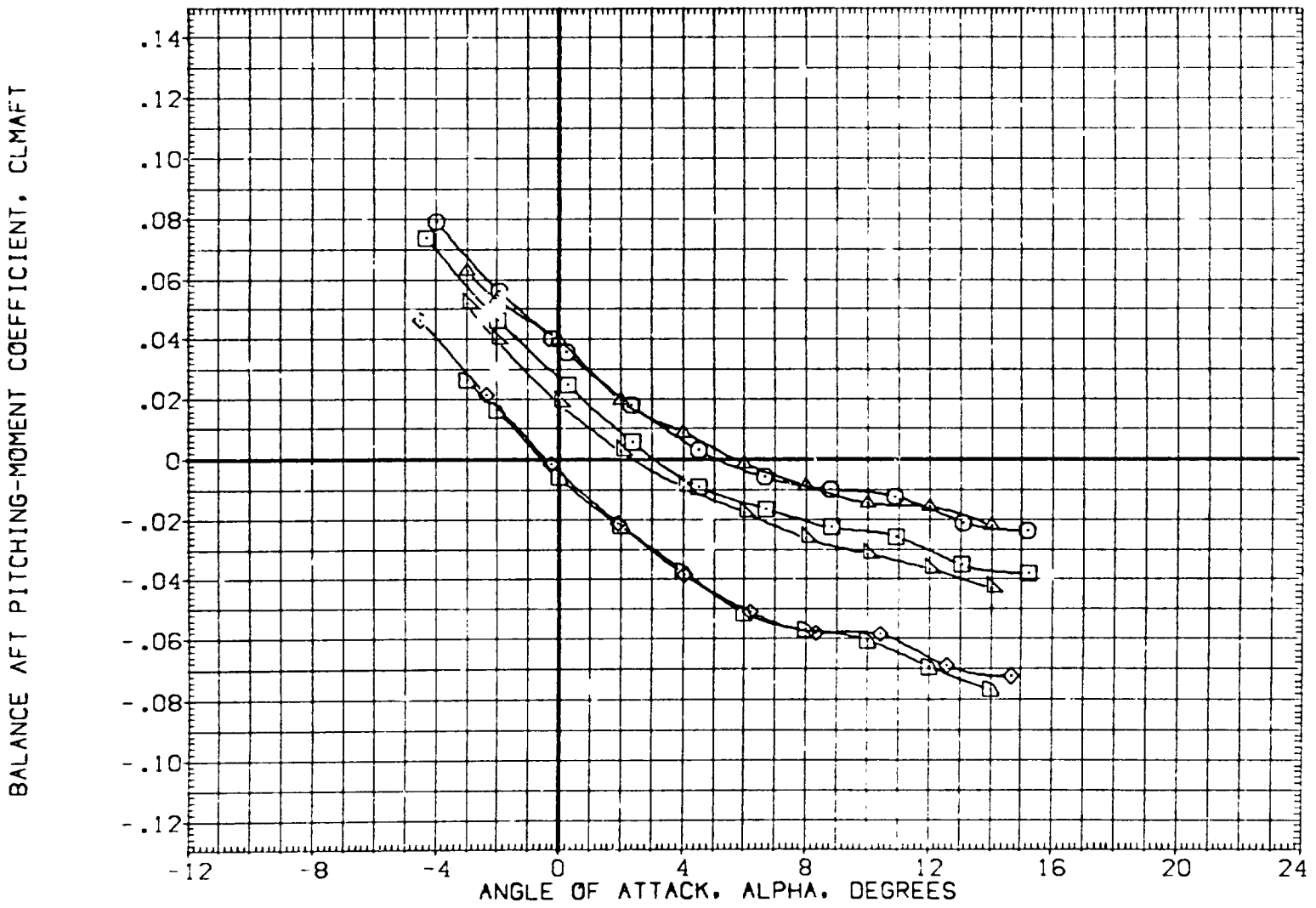


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)		DATA NOT AVAILABLE	.000	.000	.000
(IERO23)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3760	IN.
SCALE	.0150	

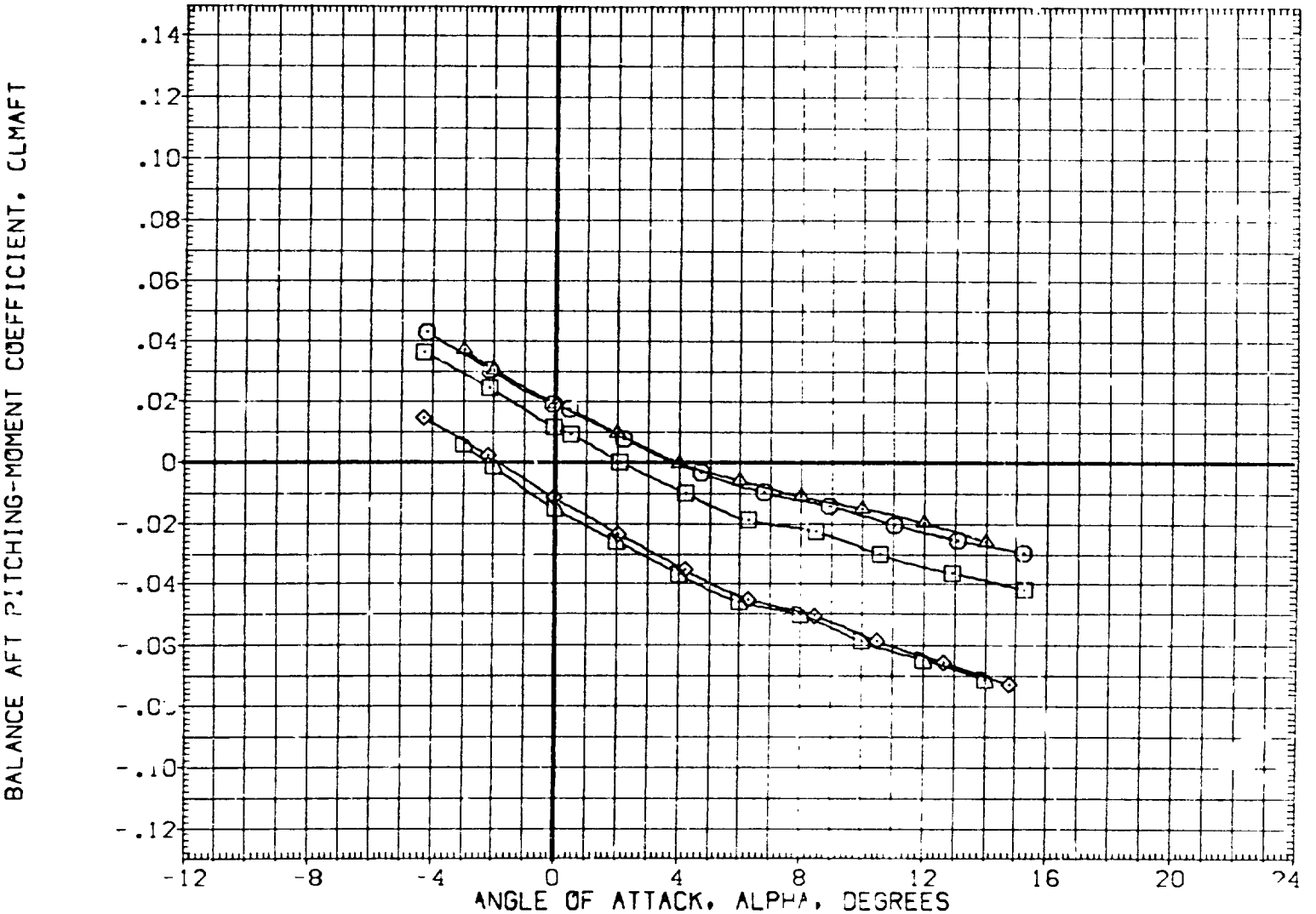


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	▷	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	▽	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IERO23)	◁	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

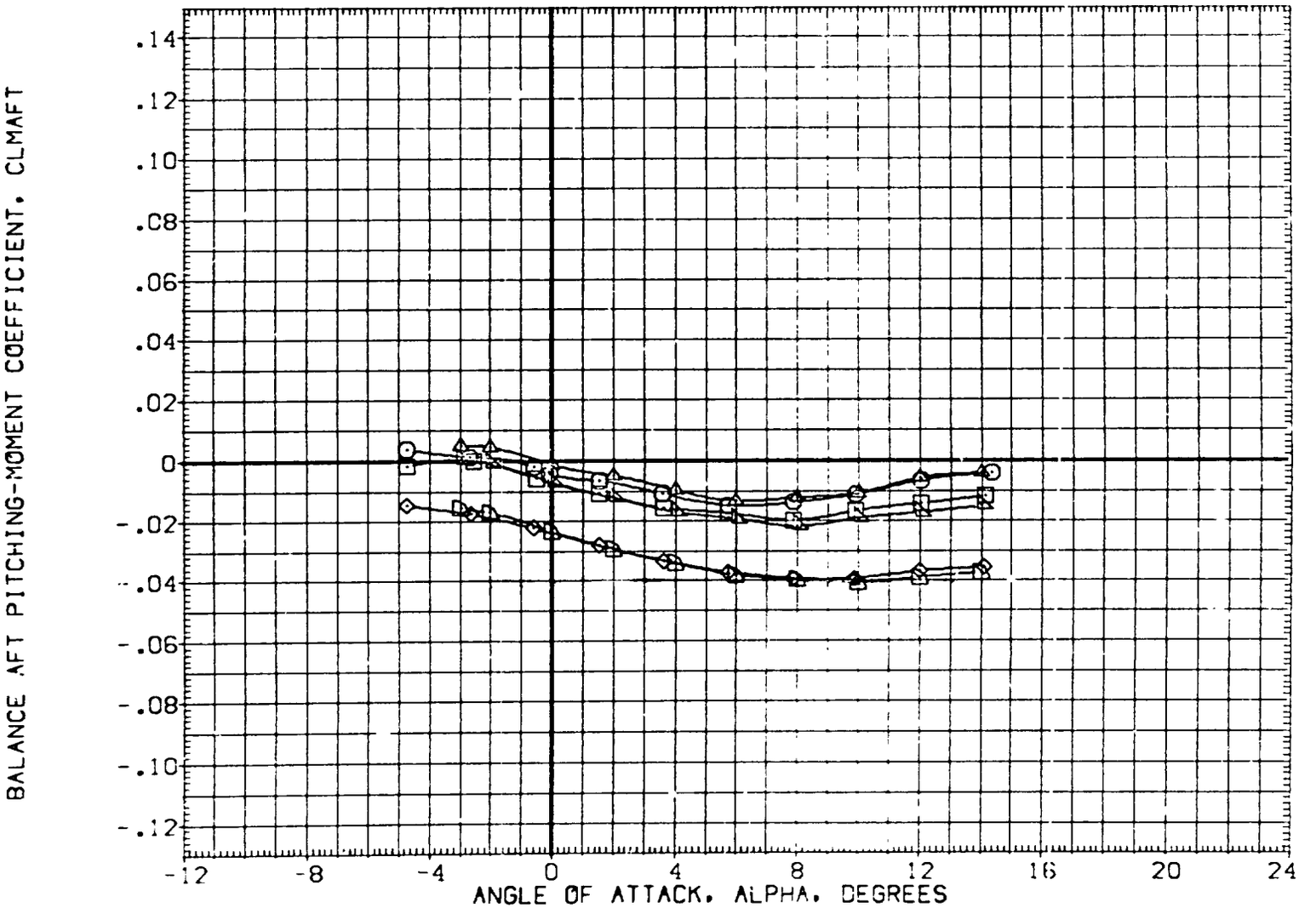


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0:50	

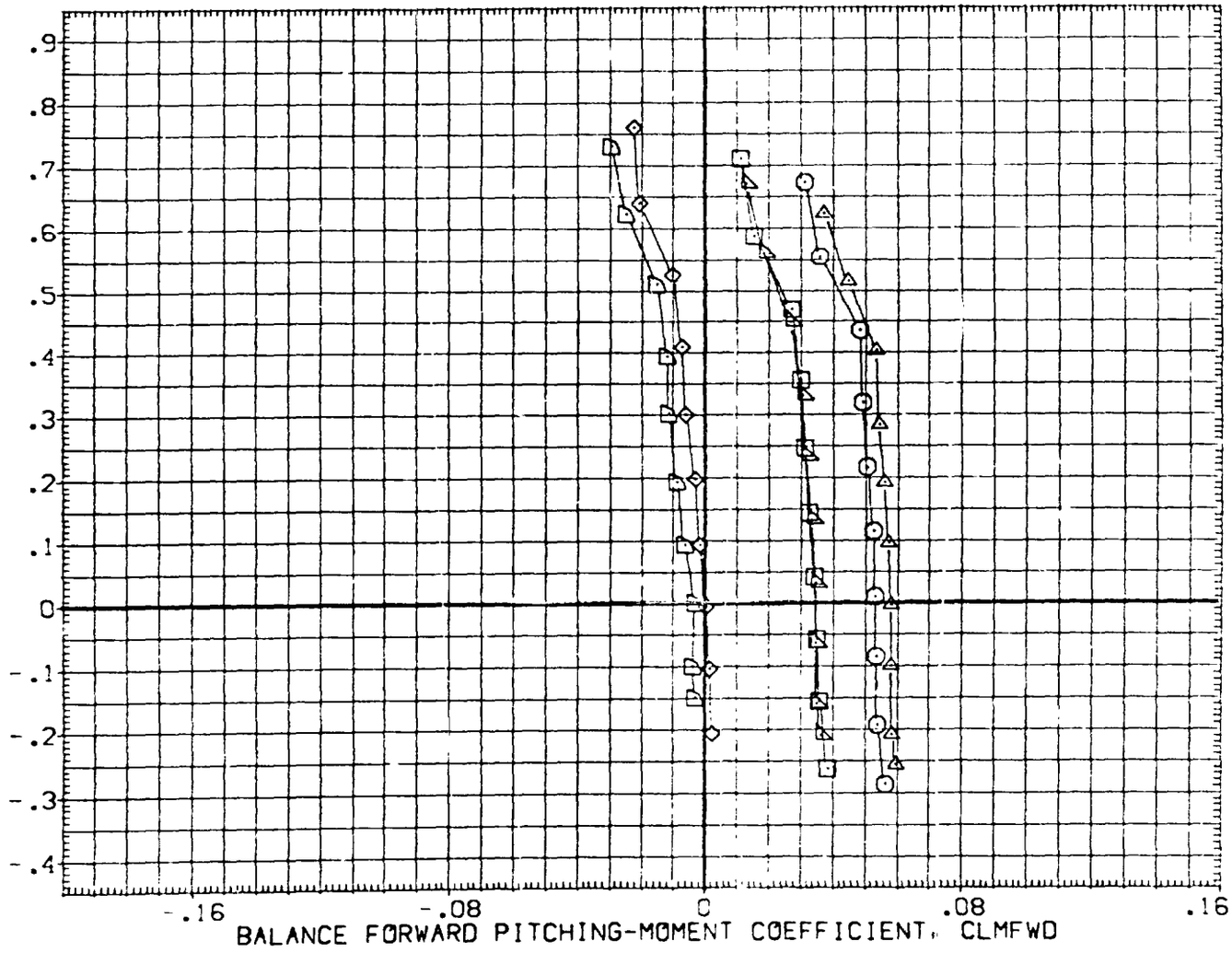


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(IER022)	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

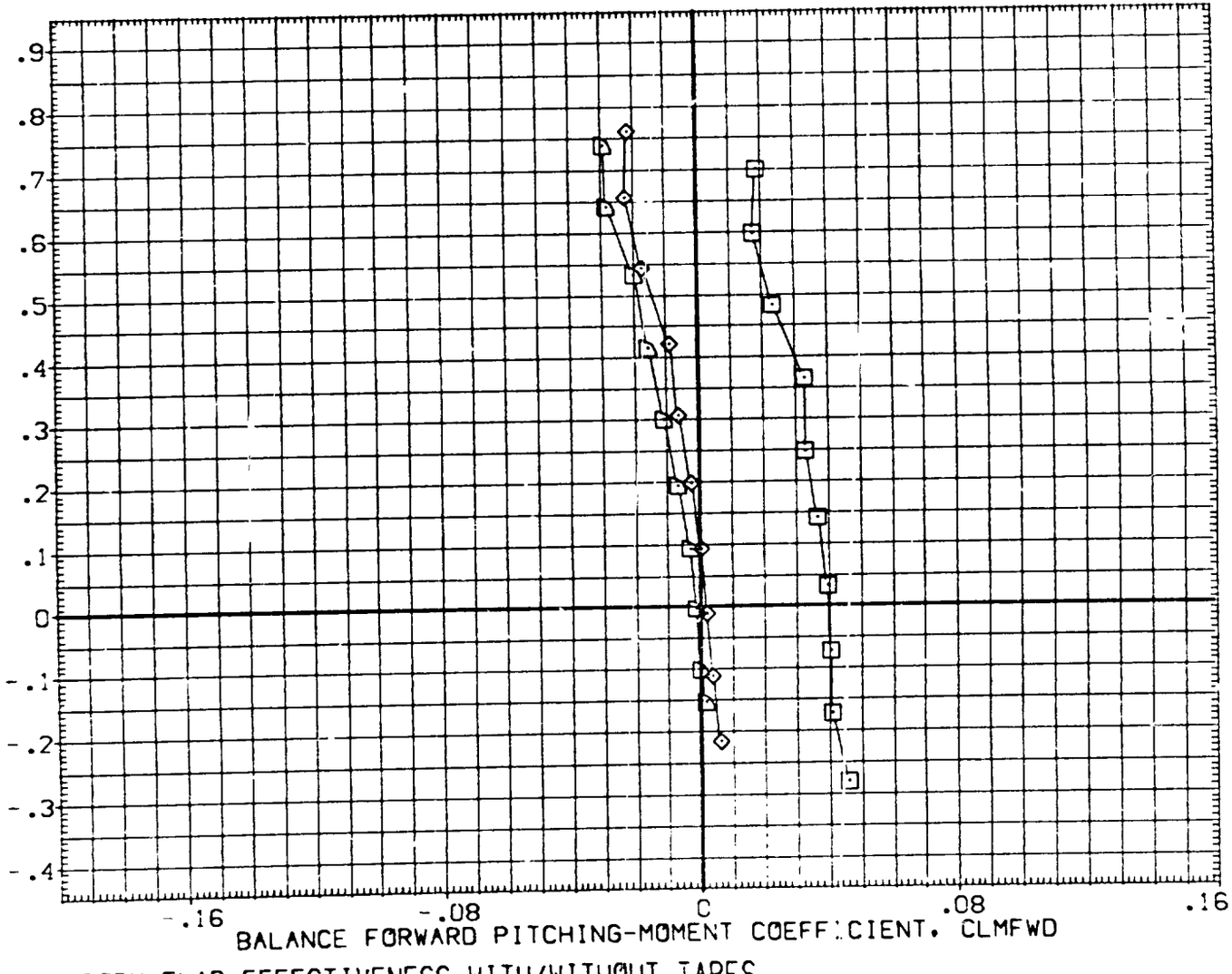


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MAC = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.000
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.000
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.000
(IER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.000

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

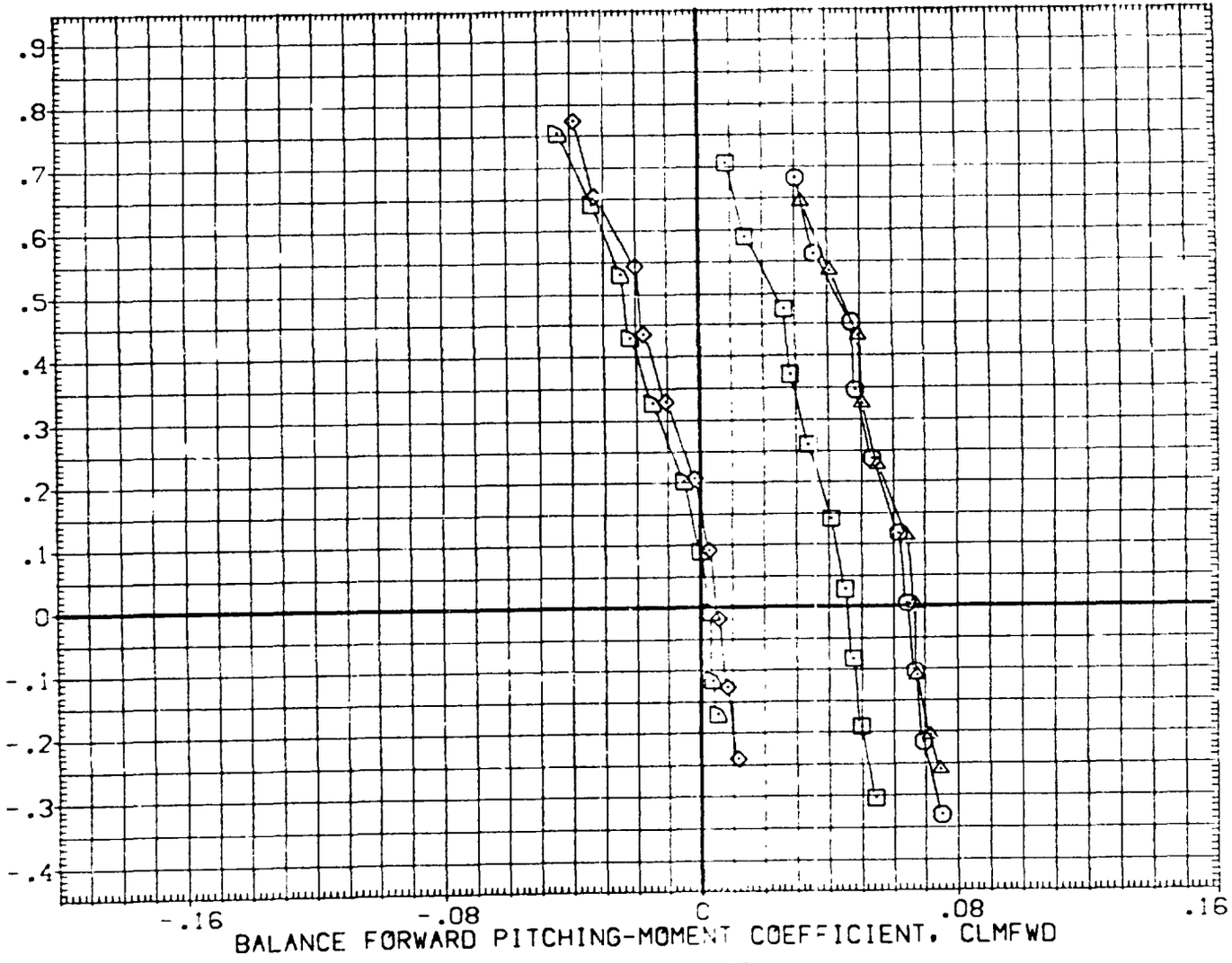


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BODFLAP
(CERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)		DATA NOT AVAILABLE	.000	.000	.000
(CERO23)		DATA NOT AVAILABLE	.000	.000	16.300
(IERO19)		ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)		DATA NOT AVAILABLE	.000	.000	.000
(IERO23)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

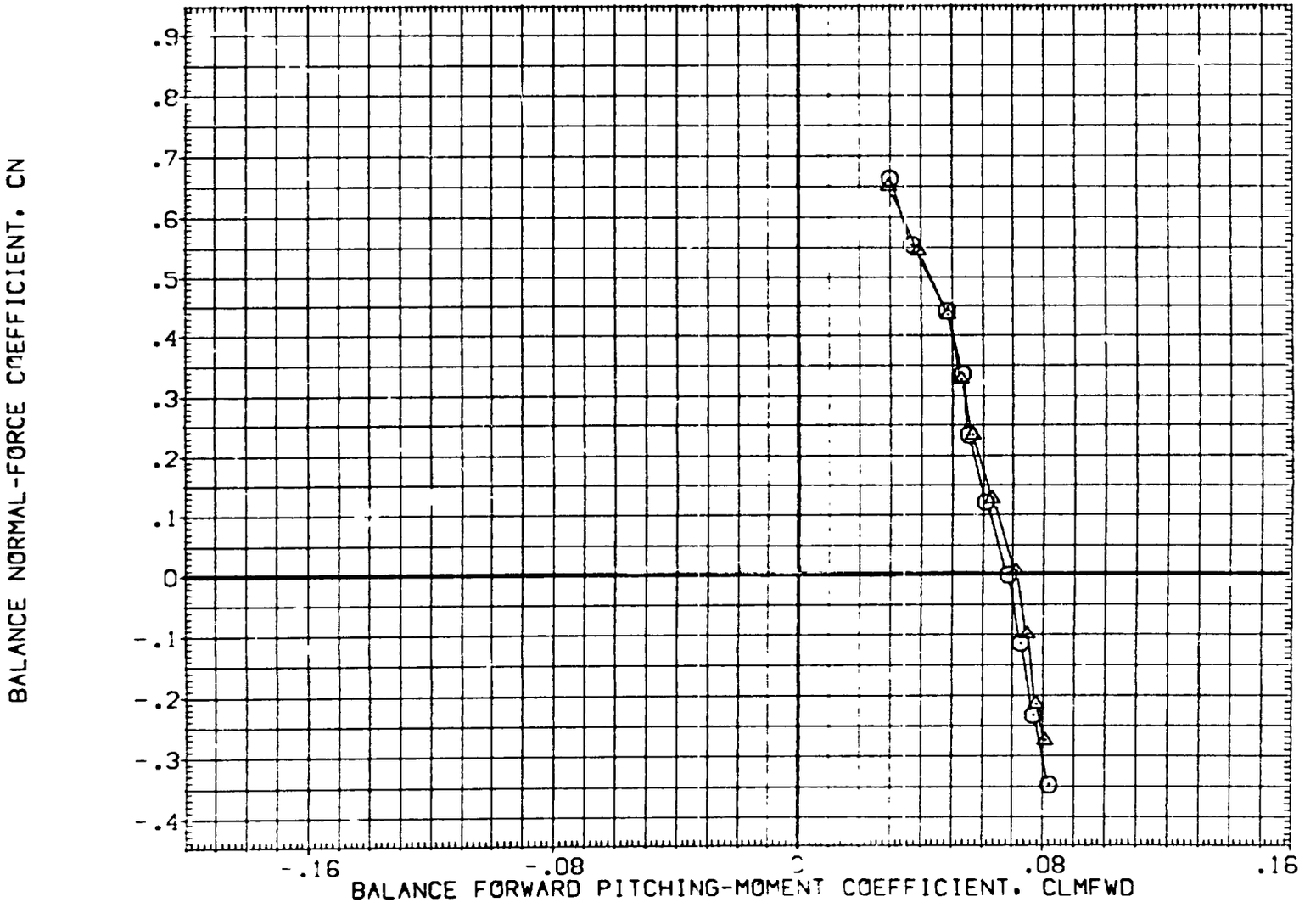


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

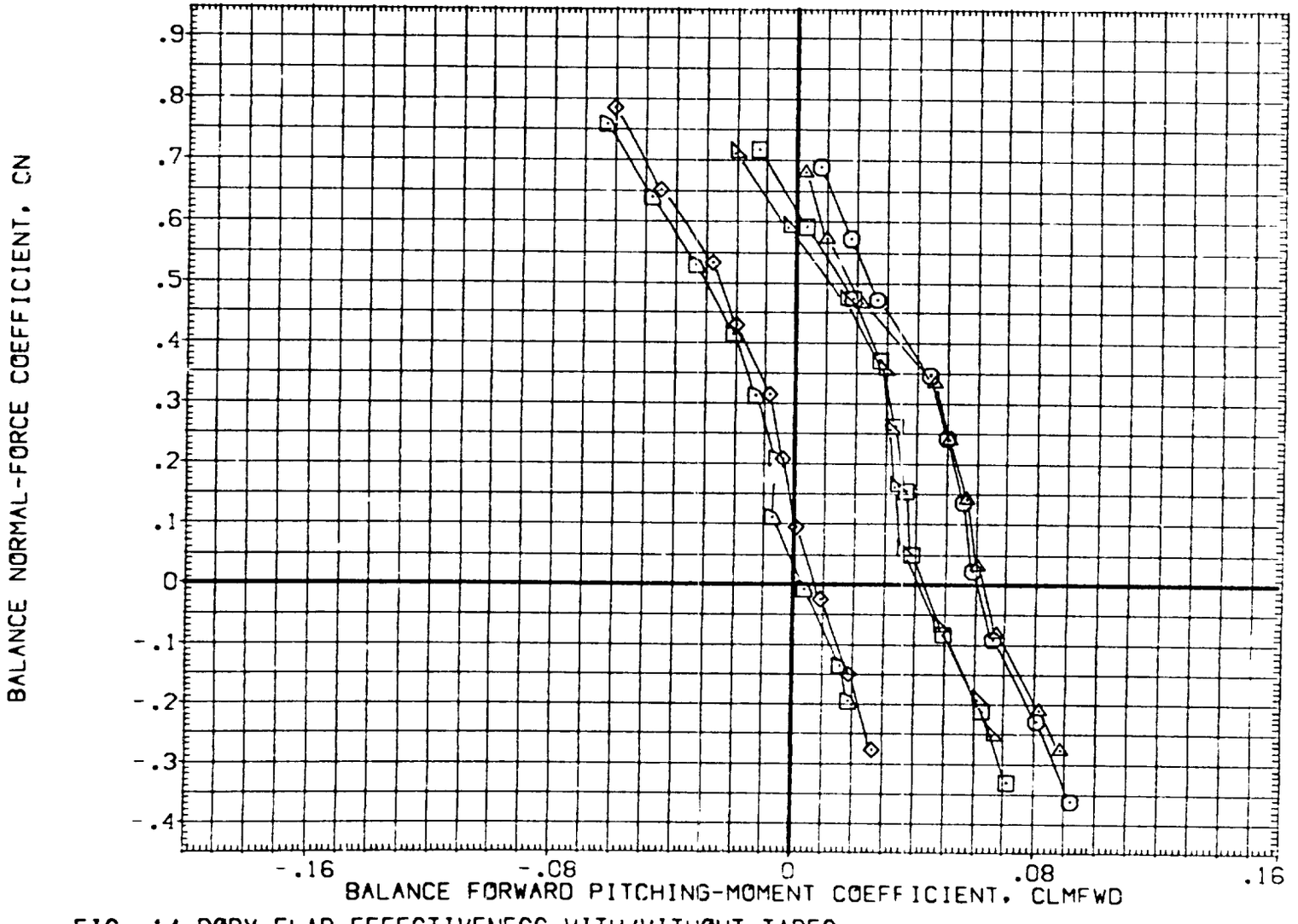


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BCFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(1ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	◁	DATA NOT AVAILABLE	.000	.000	.000
(1ER023)	D	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

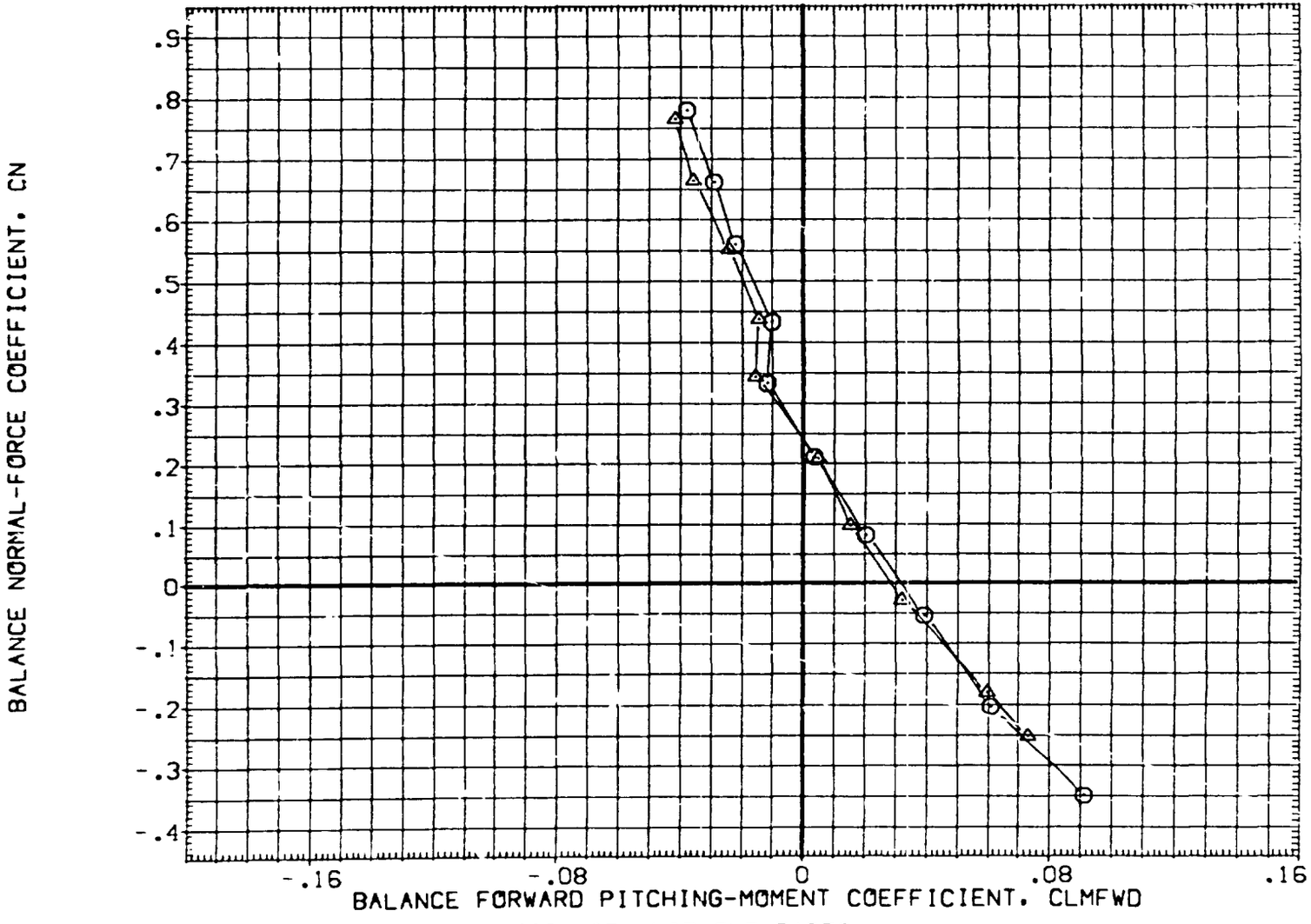


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IERO19)	△	66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	▽	66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IERO23)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

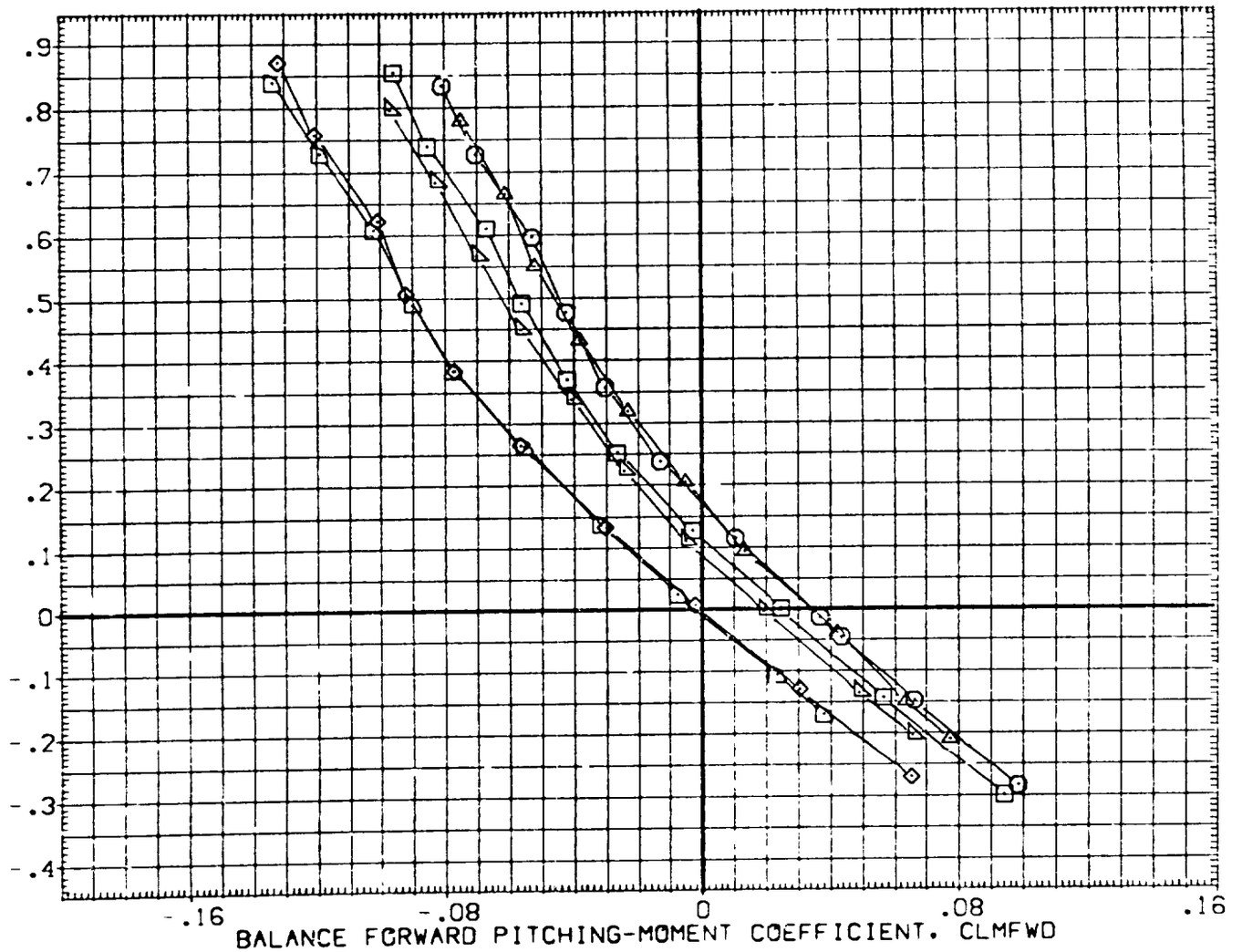


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH - 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CFR019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IFR019)	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IFR022)	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

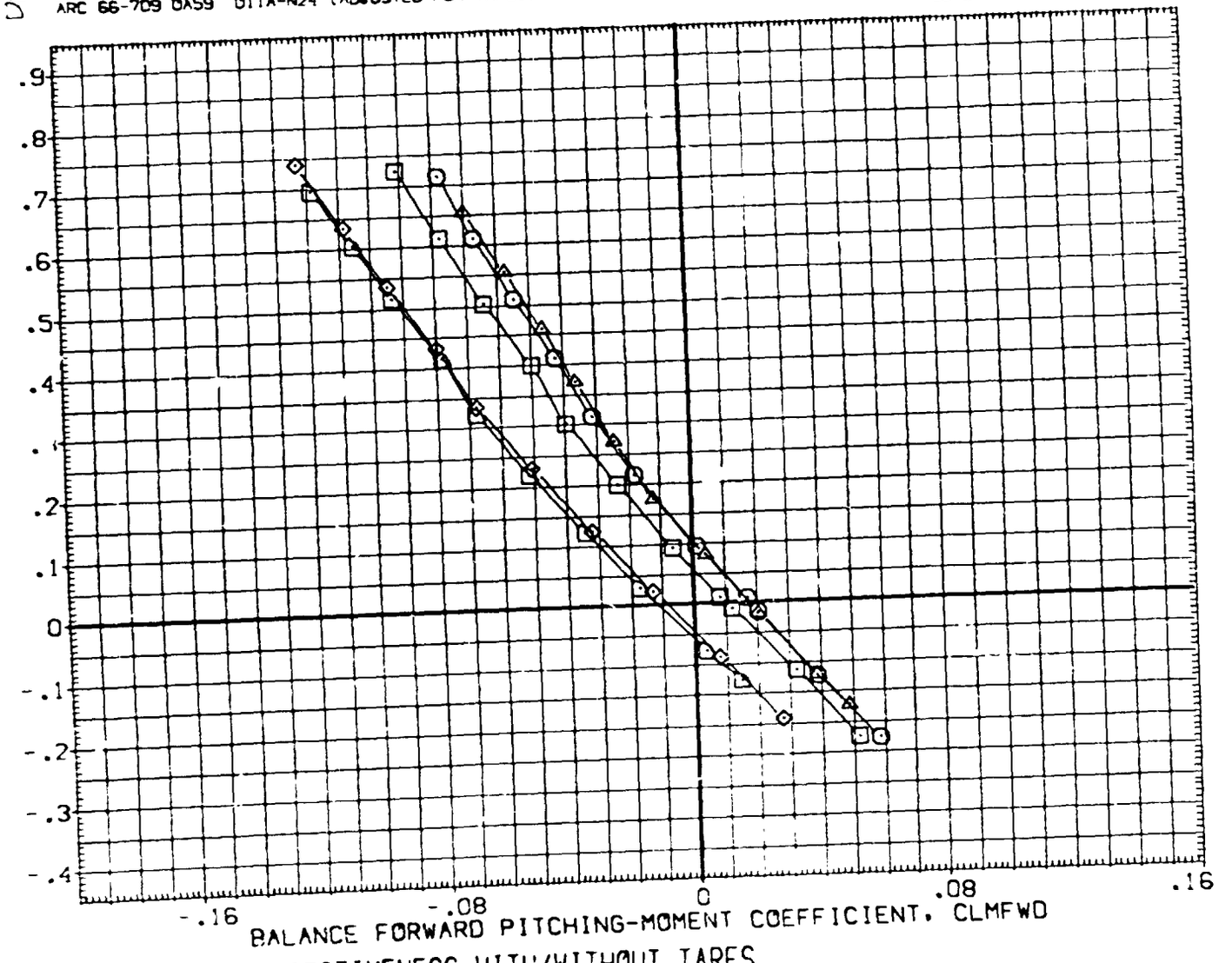


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(M)MAC = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	D	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3756	IN.
SCALE	.0150	

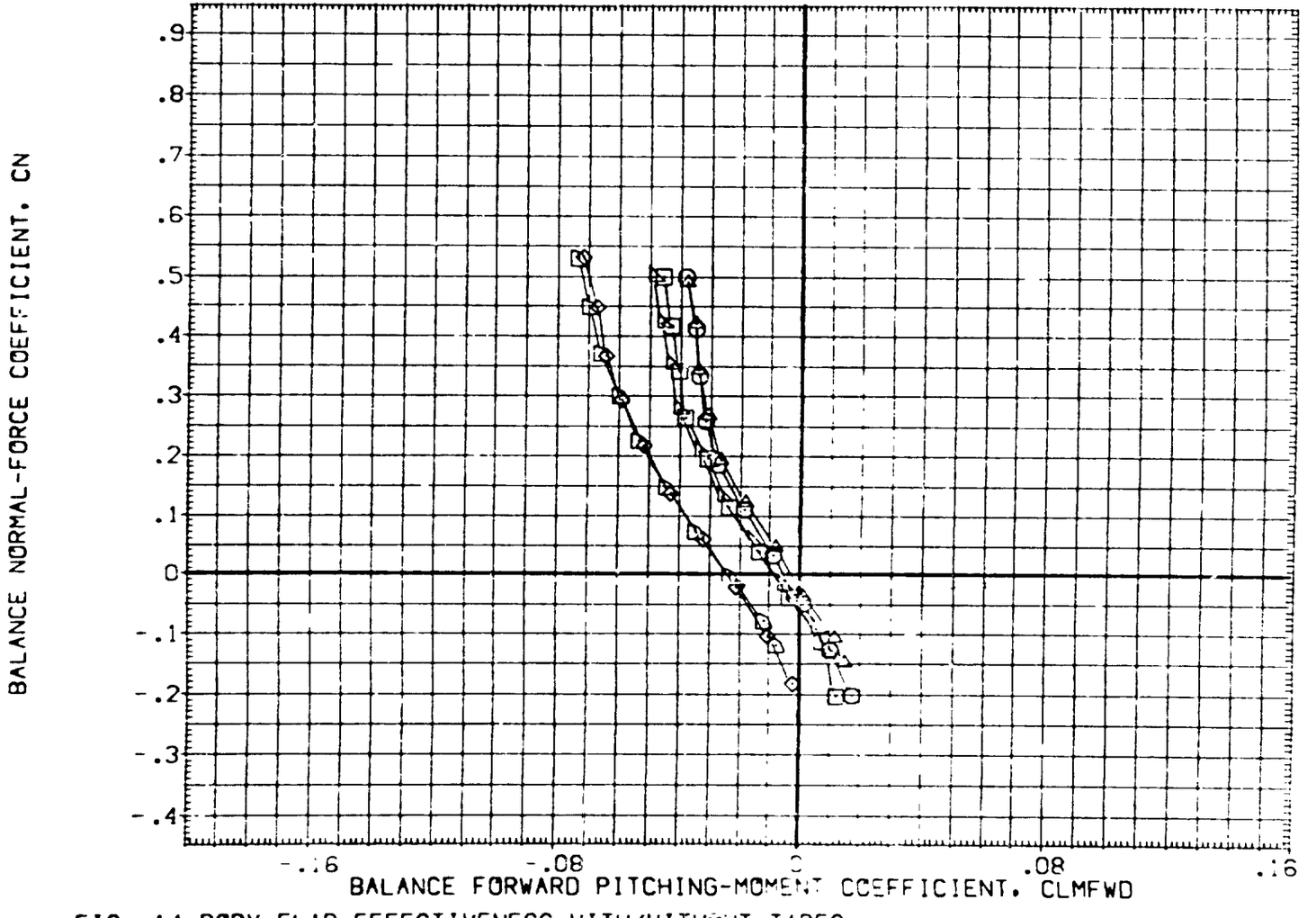


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

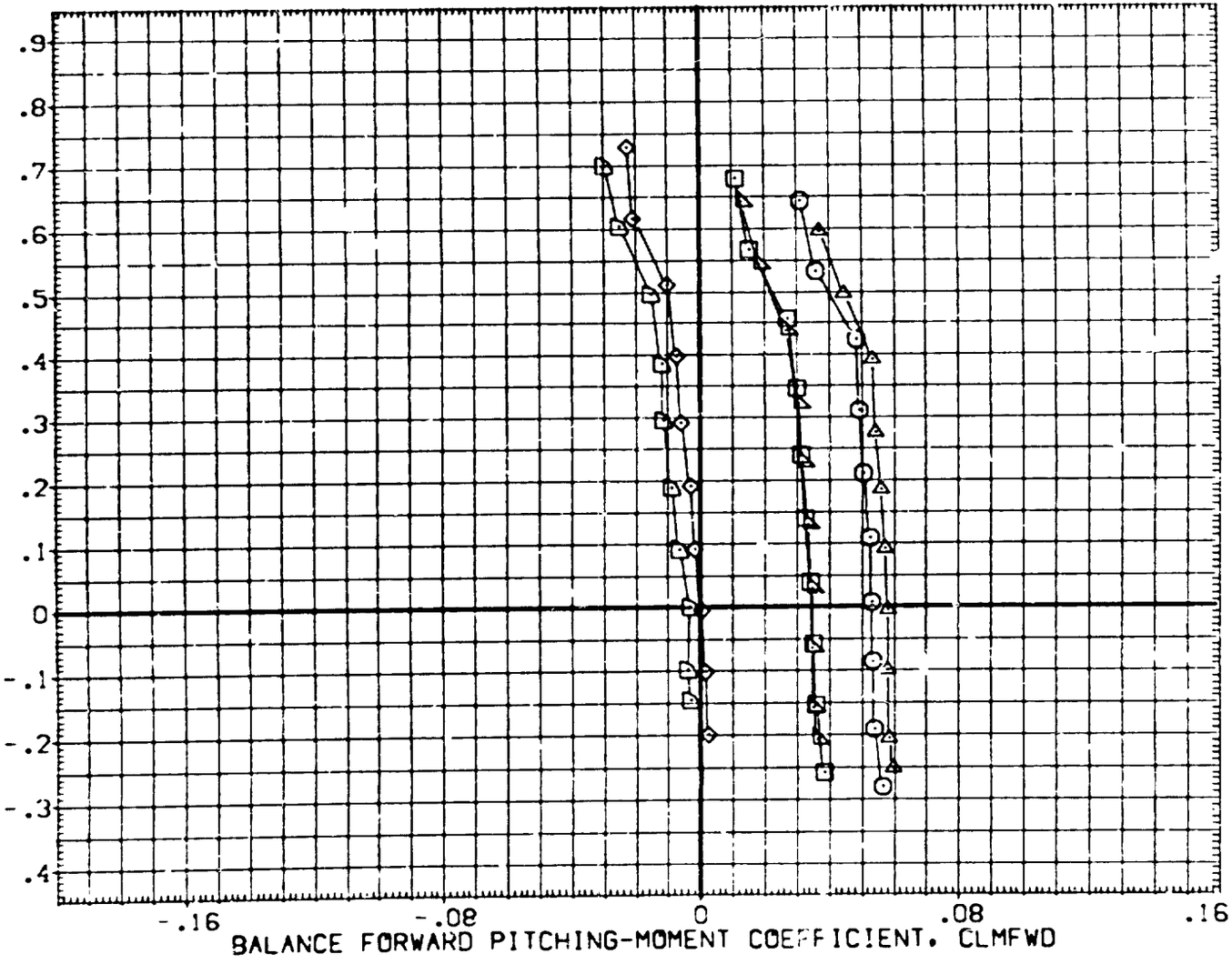


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	▽	DATA NOT AVAILABLE	.000	.000	-11.700
(IER022)	◁	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

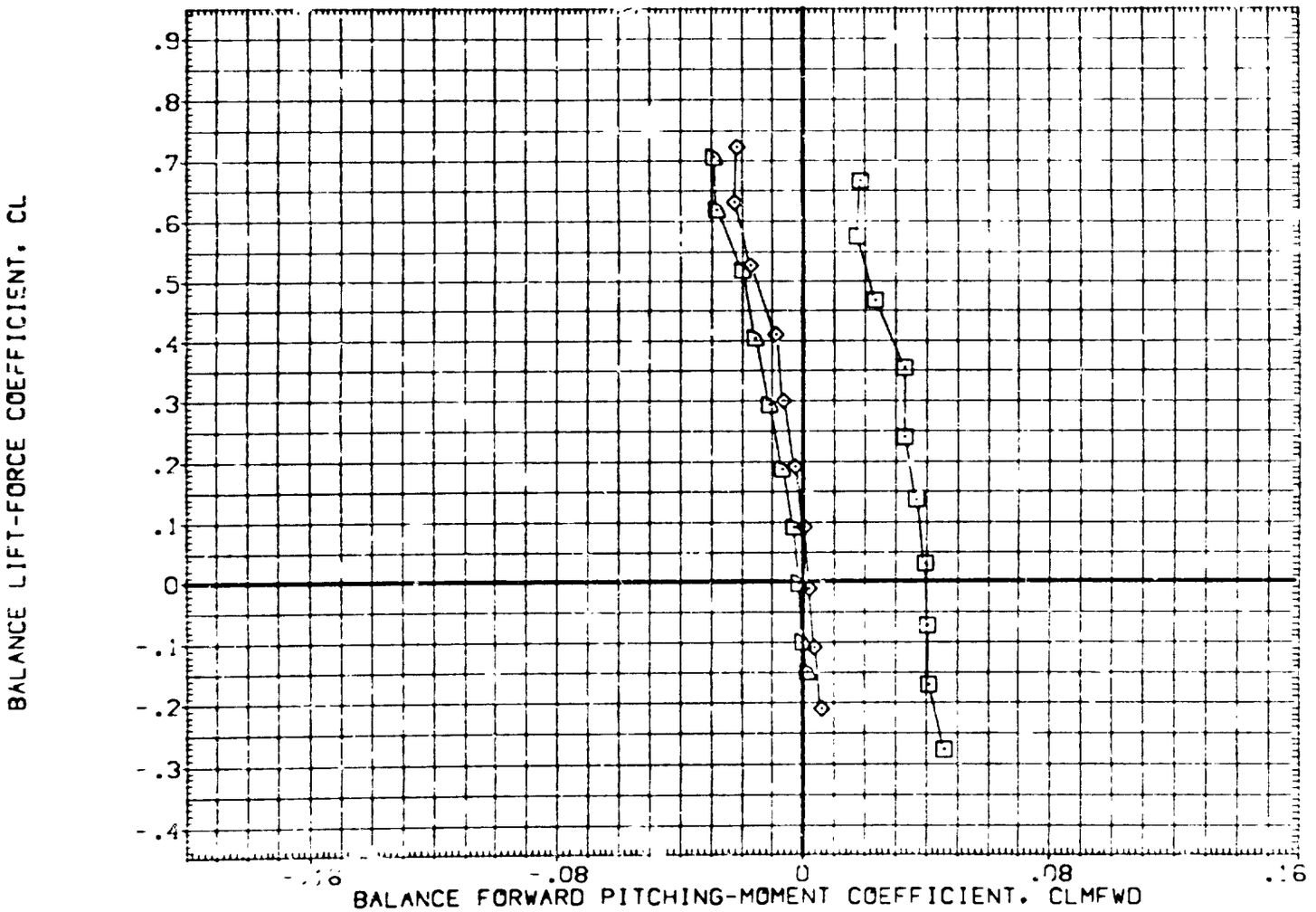


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)		DATA NOT AVAILABLE	.000	.000	.000
(1ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.C 50	

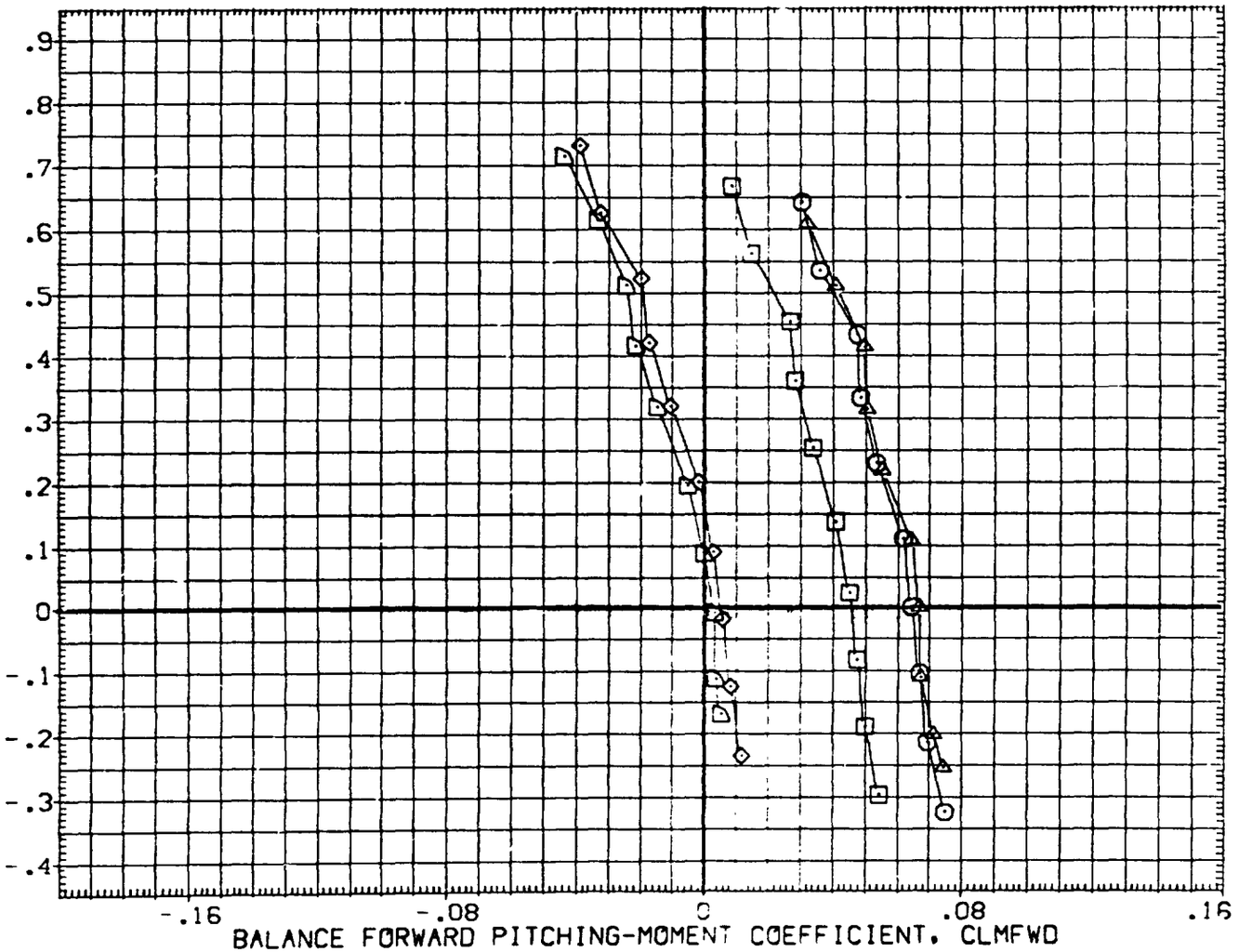


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER013)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)		DATA NOT AVAILABLE	.000	.000	.000
(CER023)		DATA NOT AVAILABLE	.000	.000	16.300
(IER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)		DATA NOT AVAILABLE	.000	.000	.000
(IER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

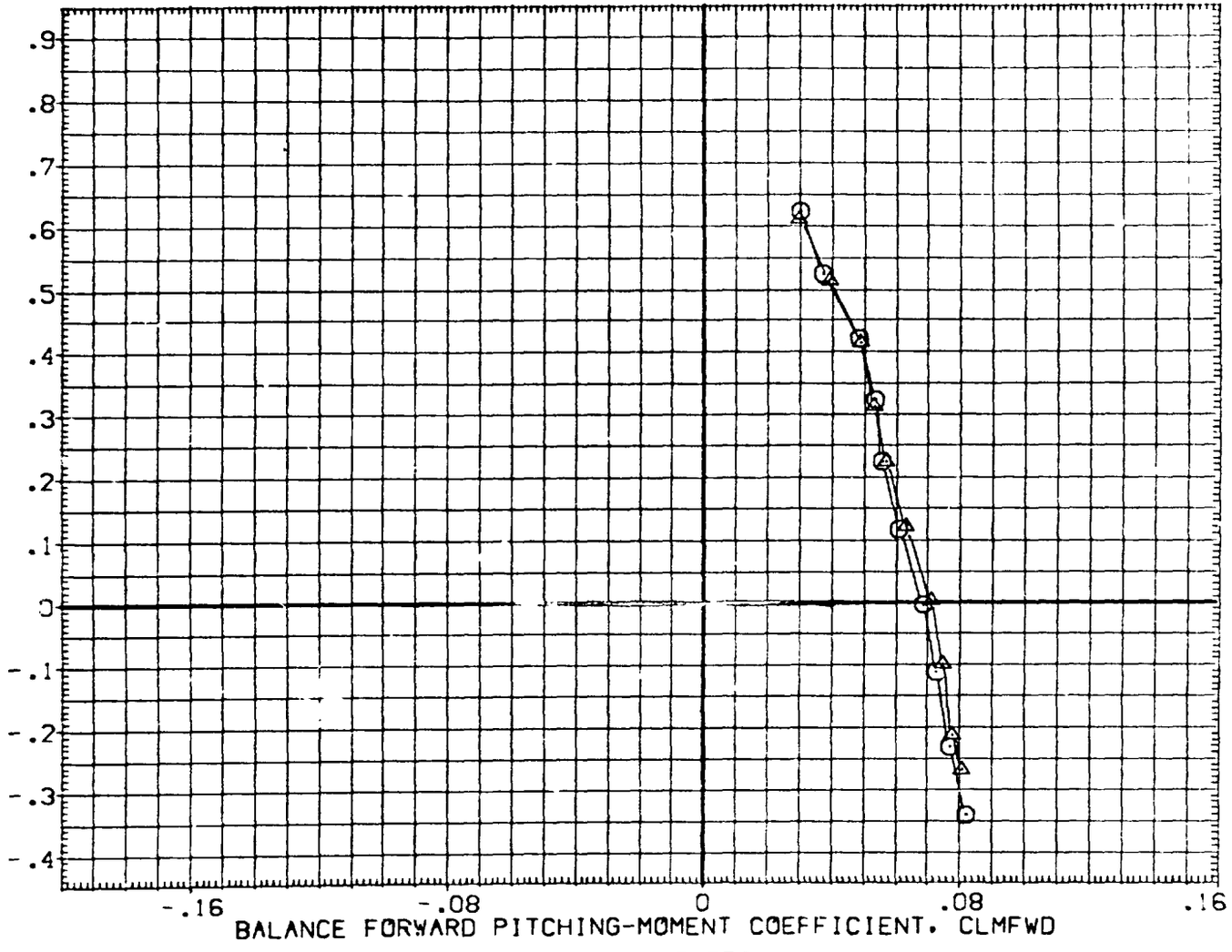


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

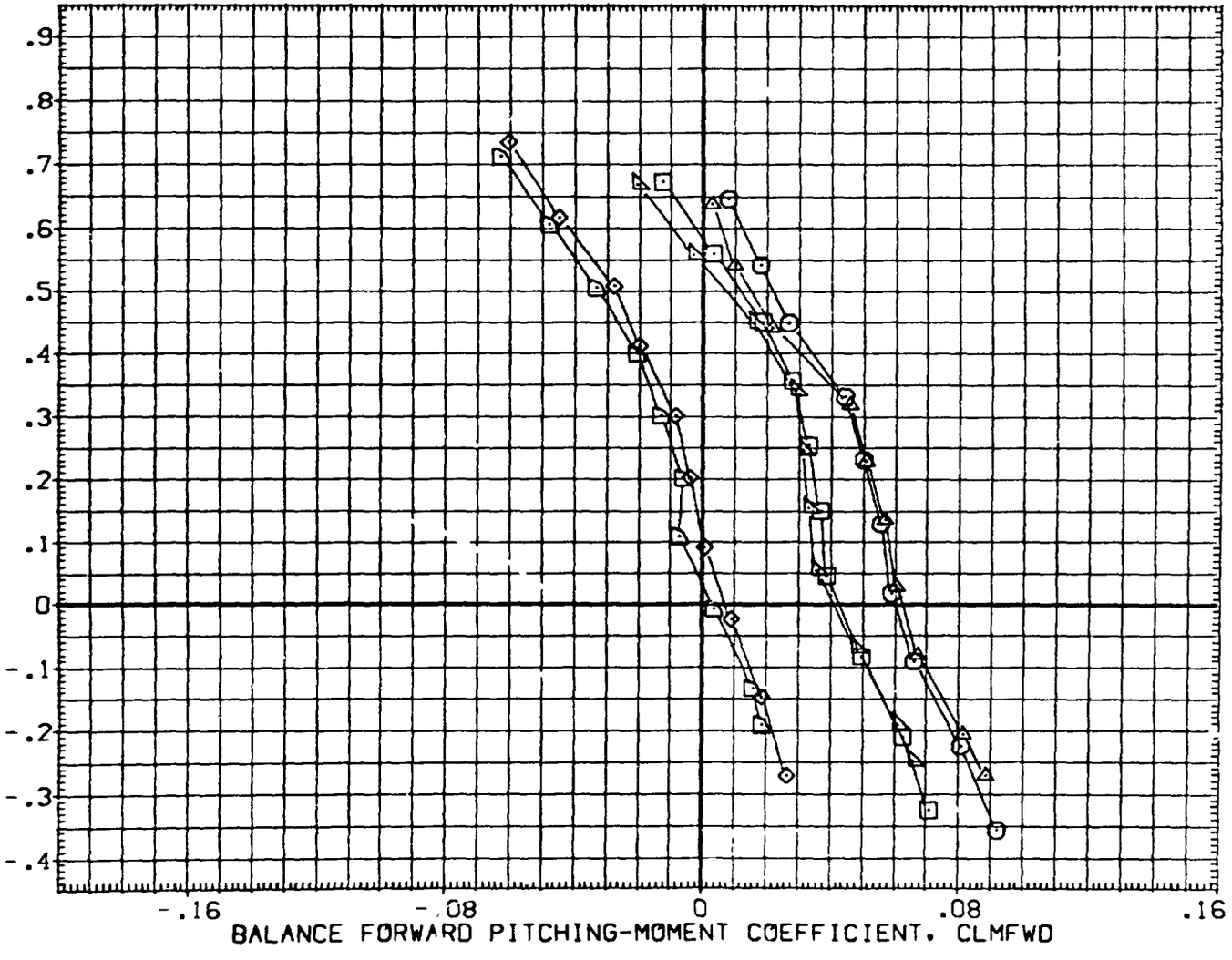


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CERO23)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(IERO19)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IERO22)	▽	DATA NOT AVAILABLE	.000	.000	.000
(IERO23)	⊠	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

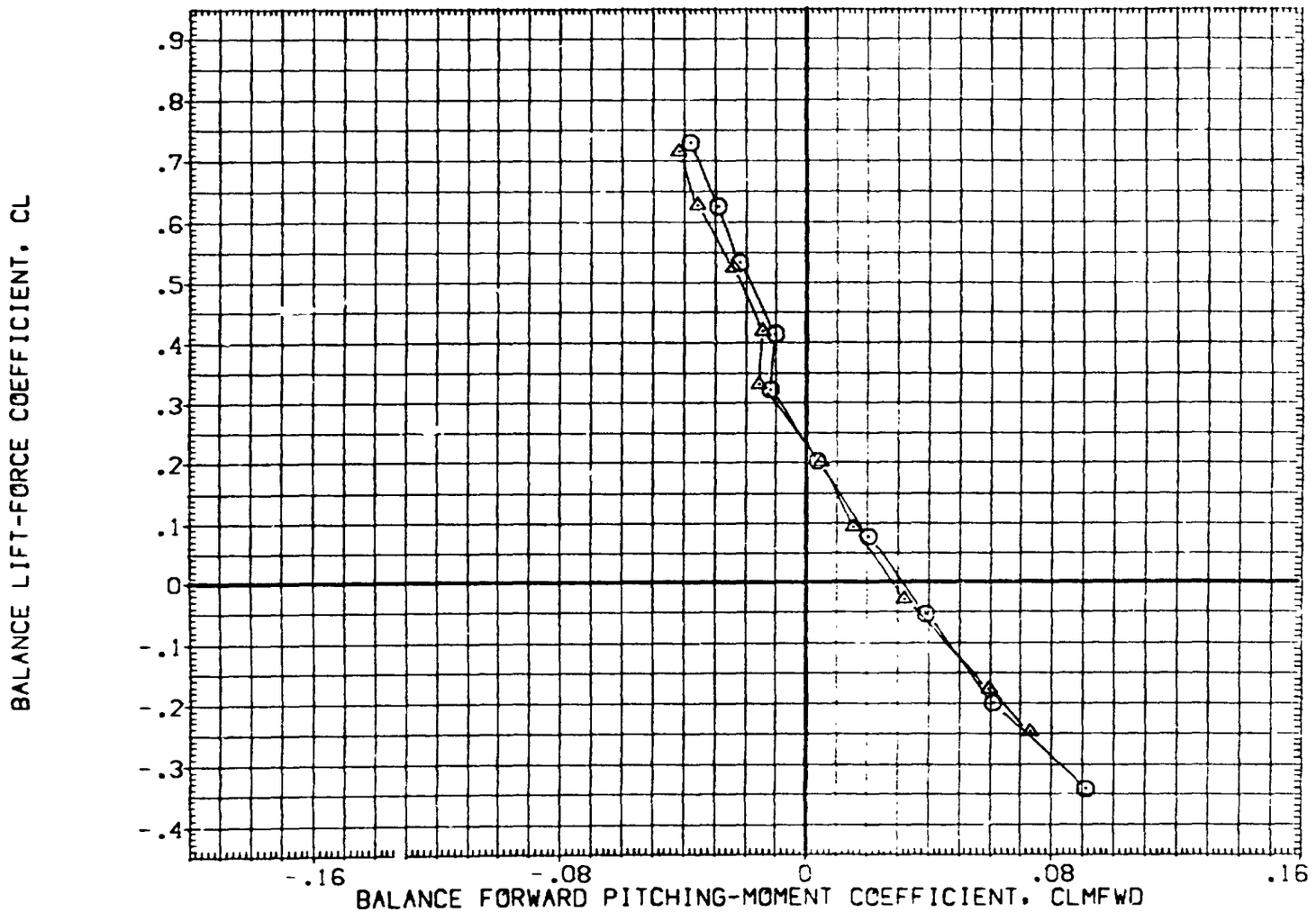


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

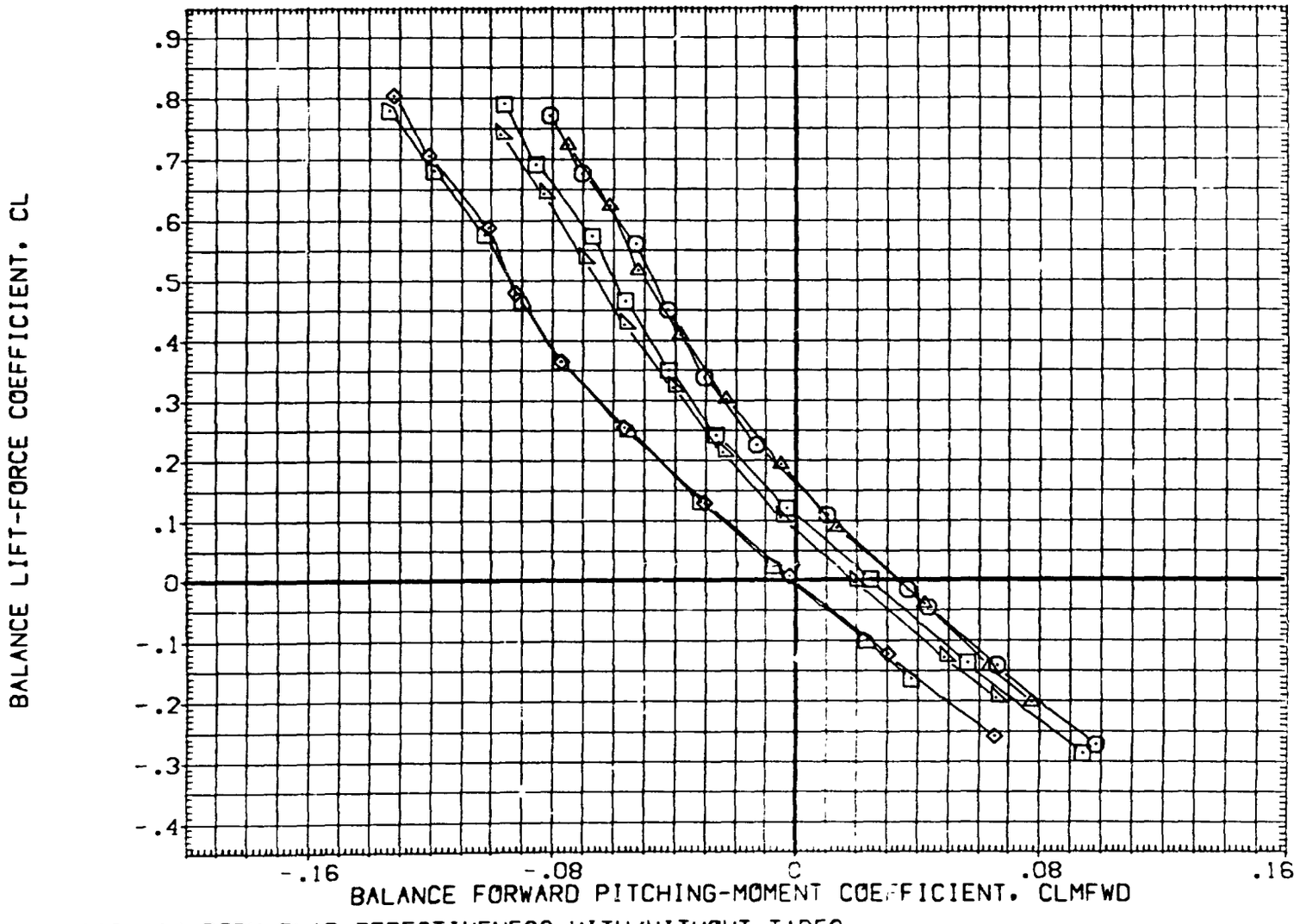


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	D	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

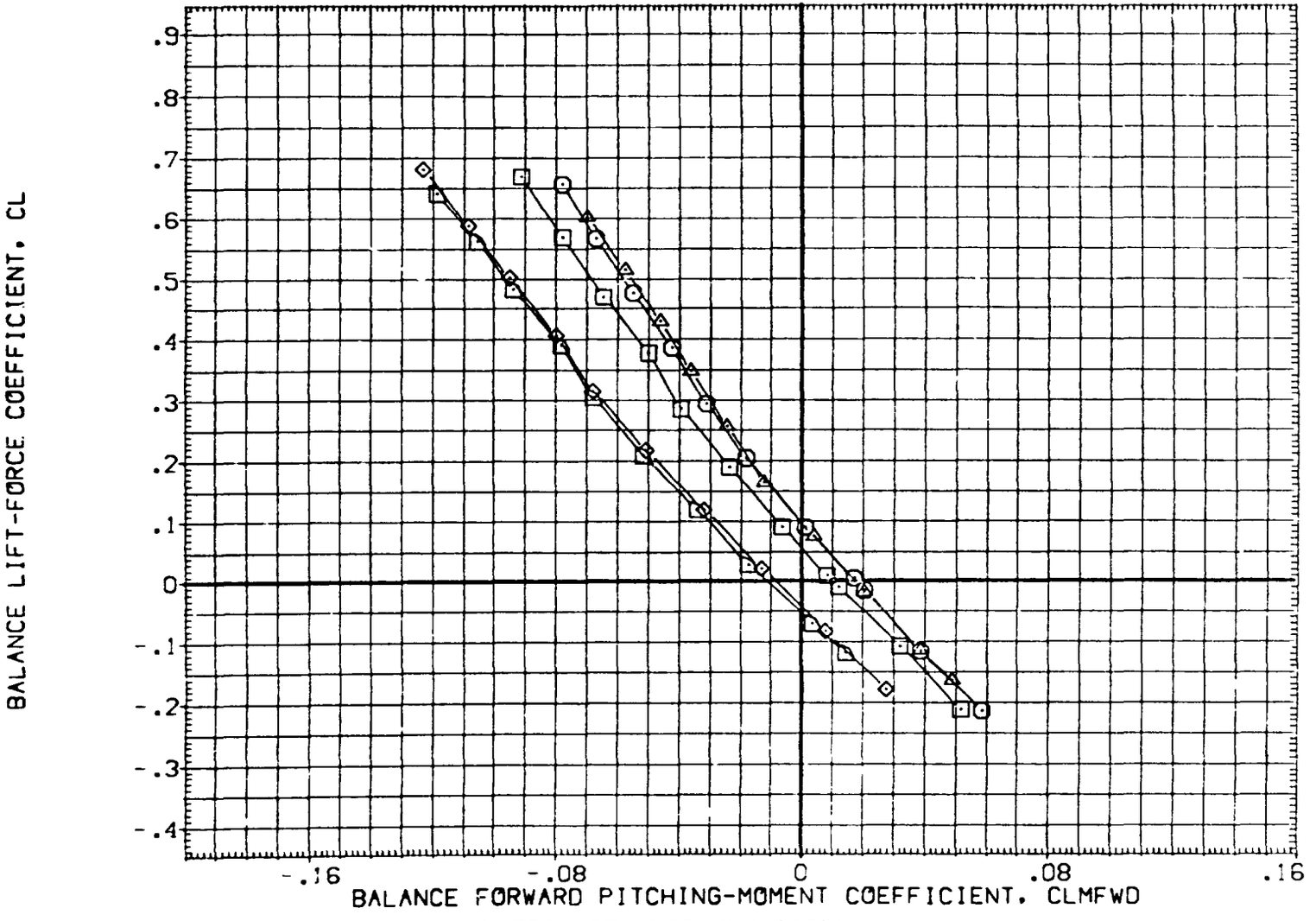


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

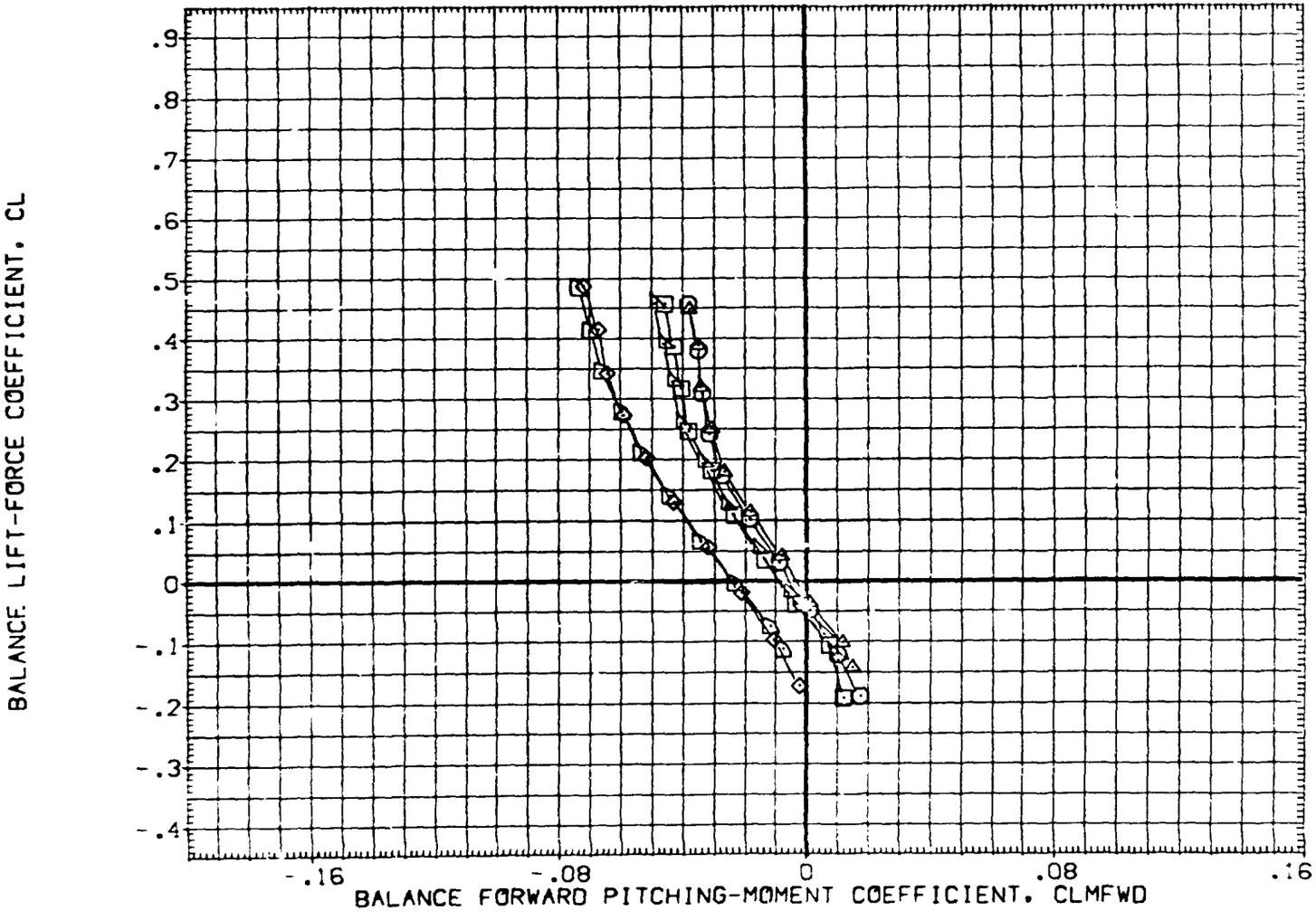


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

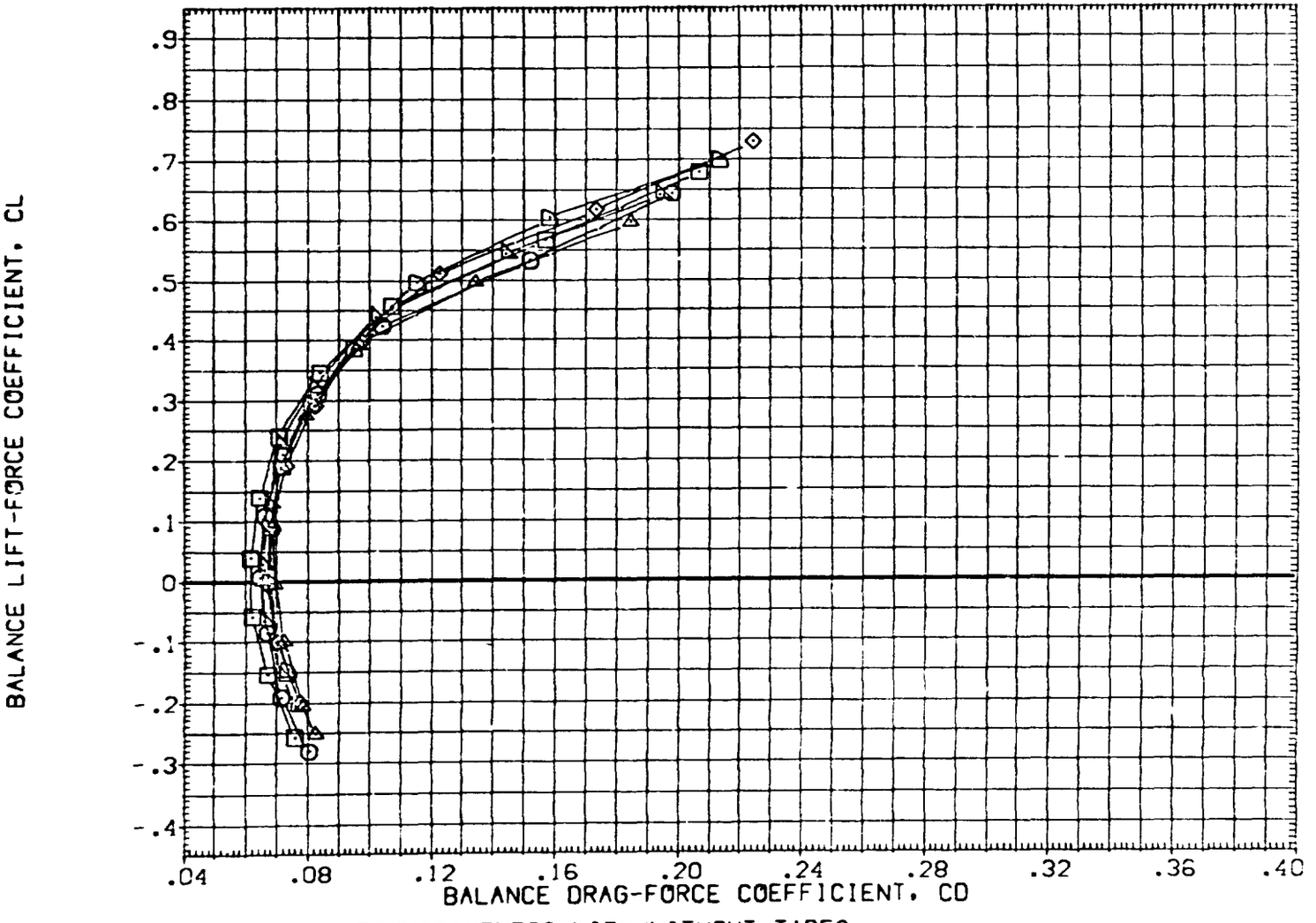


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	△	DATA NOT AVAILABLE	.000	.000	-11.700
(1ER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(1ER023)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	D	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

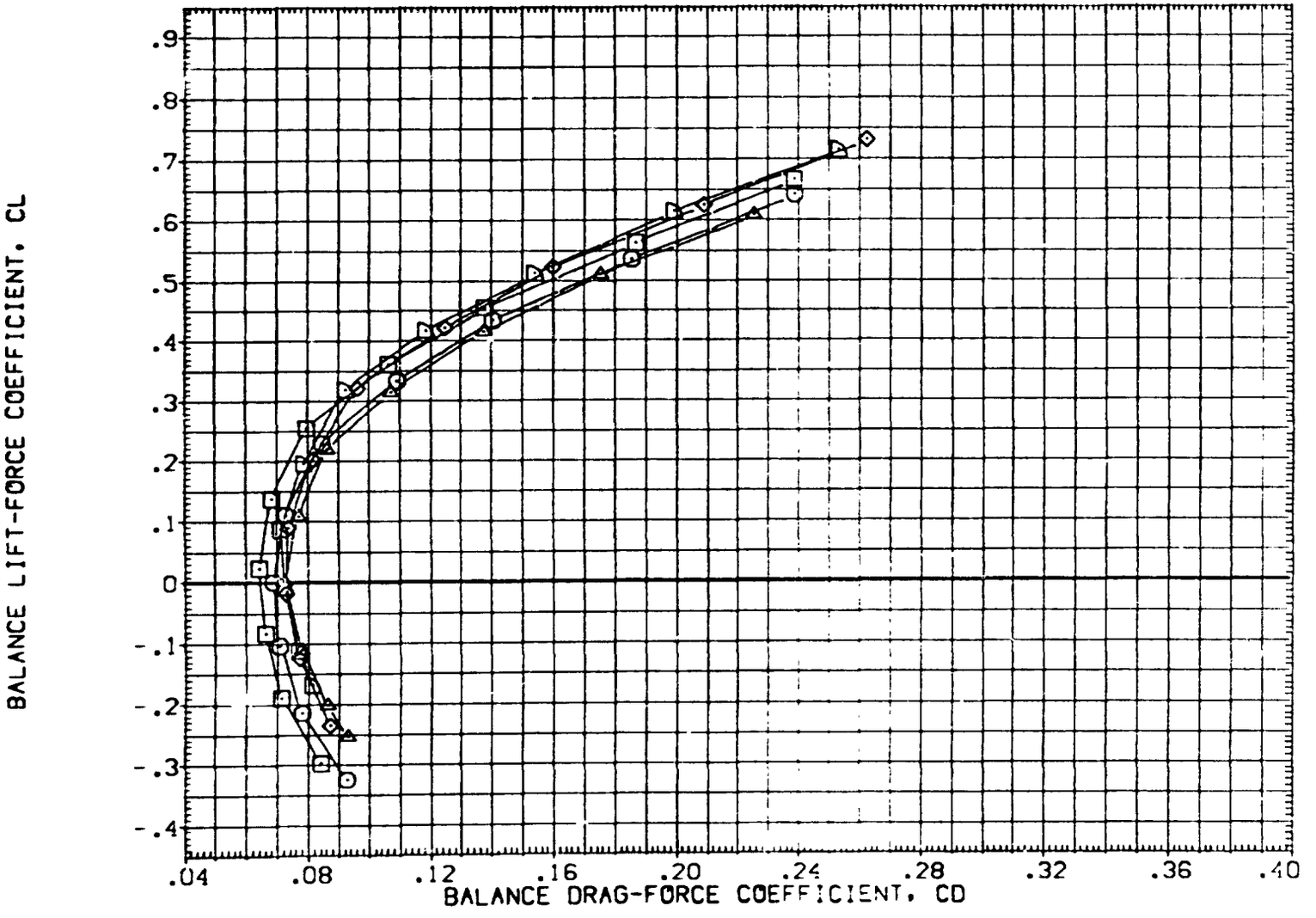


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(1ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(1ER023)	△	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6355	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

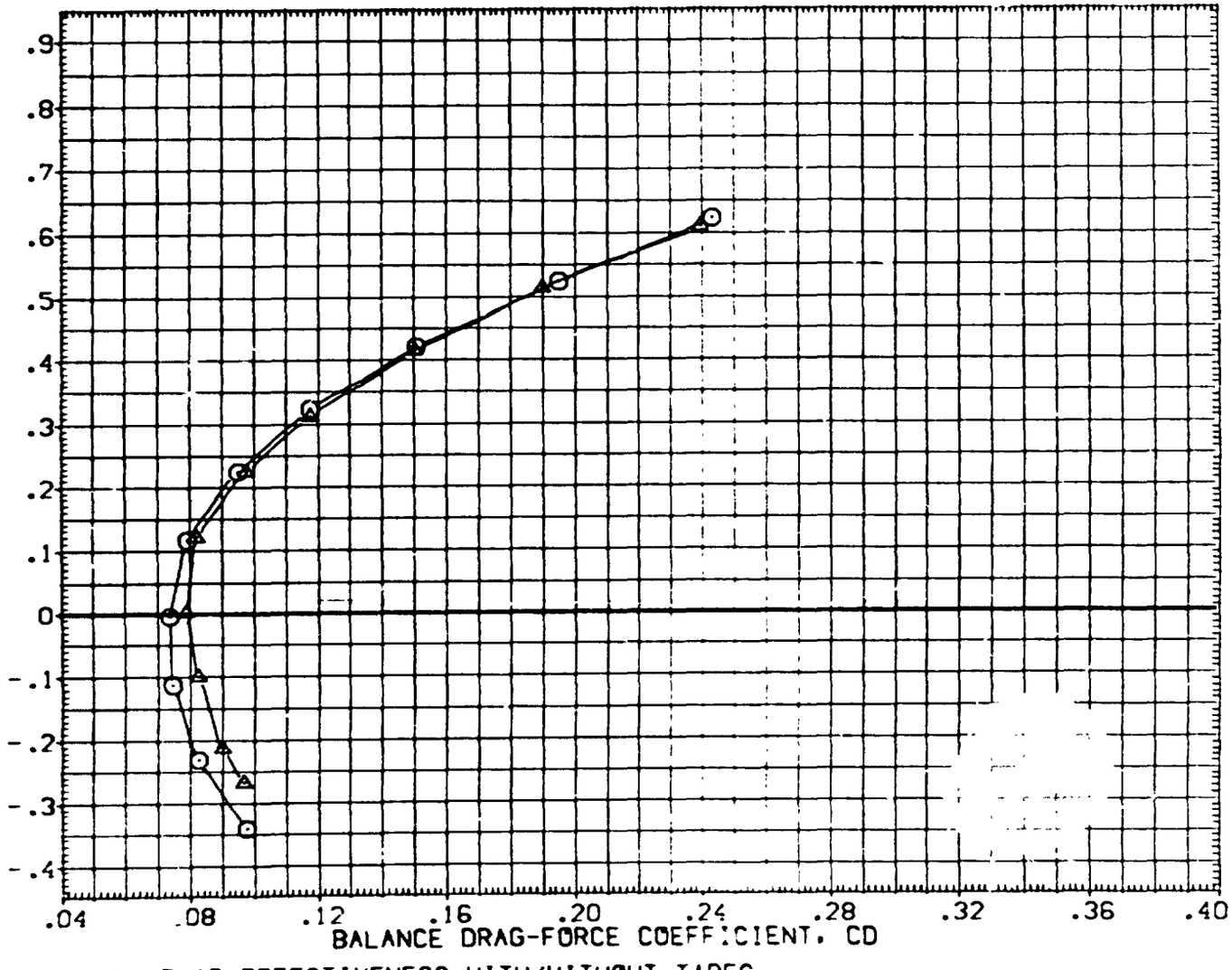


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH - .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	◁	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(IER023)	D	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

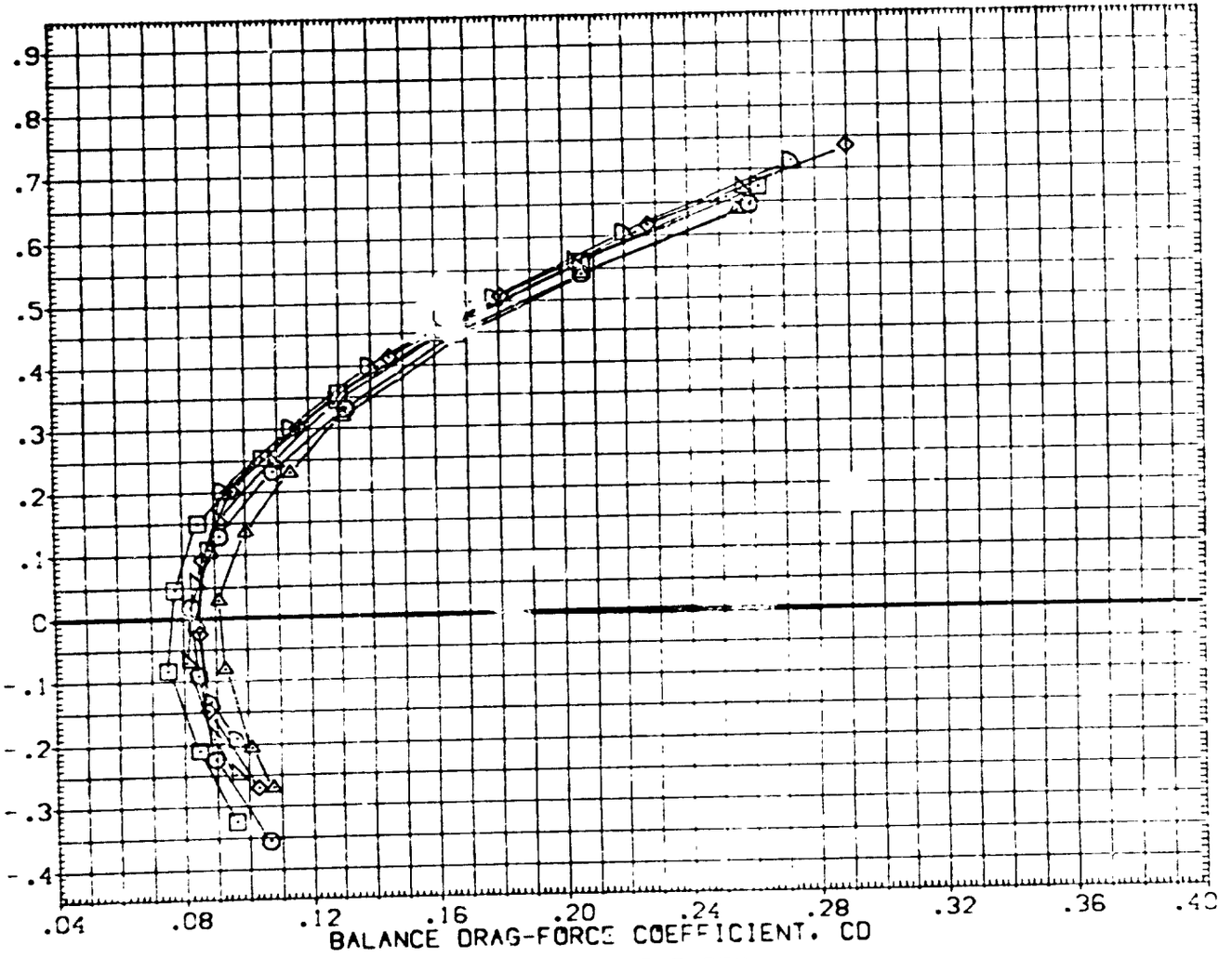


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(REYMAC = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(CER023)	△	DATA NOT AVAILABLE	.000	.000	16.300
(IER019)	⊠	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	⋈	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

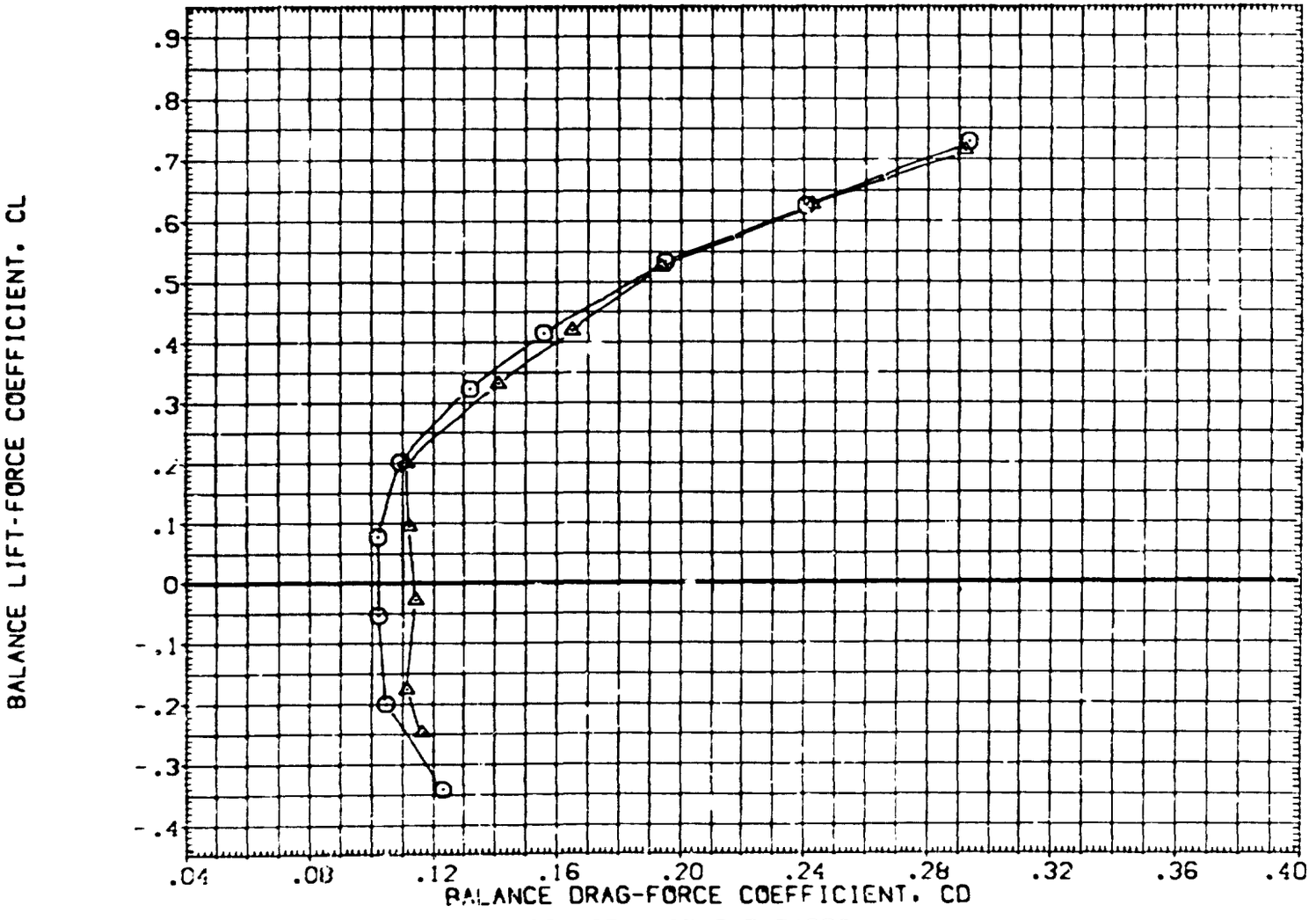


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CERO23)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ERO19)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ERO22)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ERO23)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

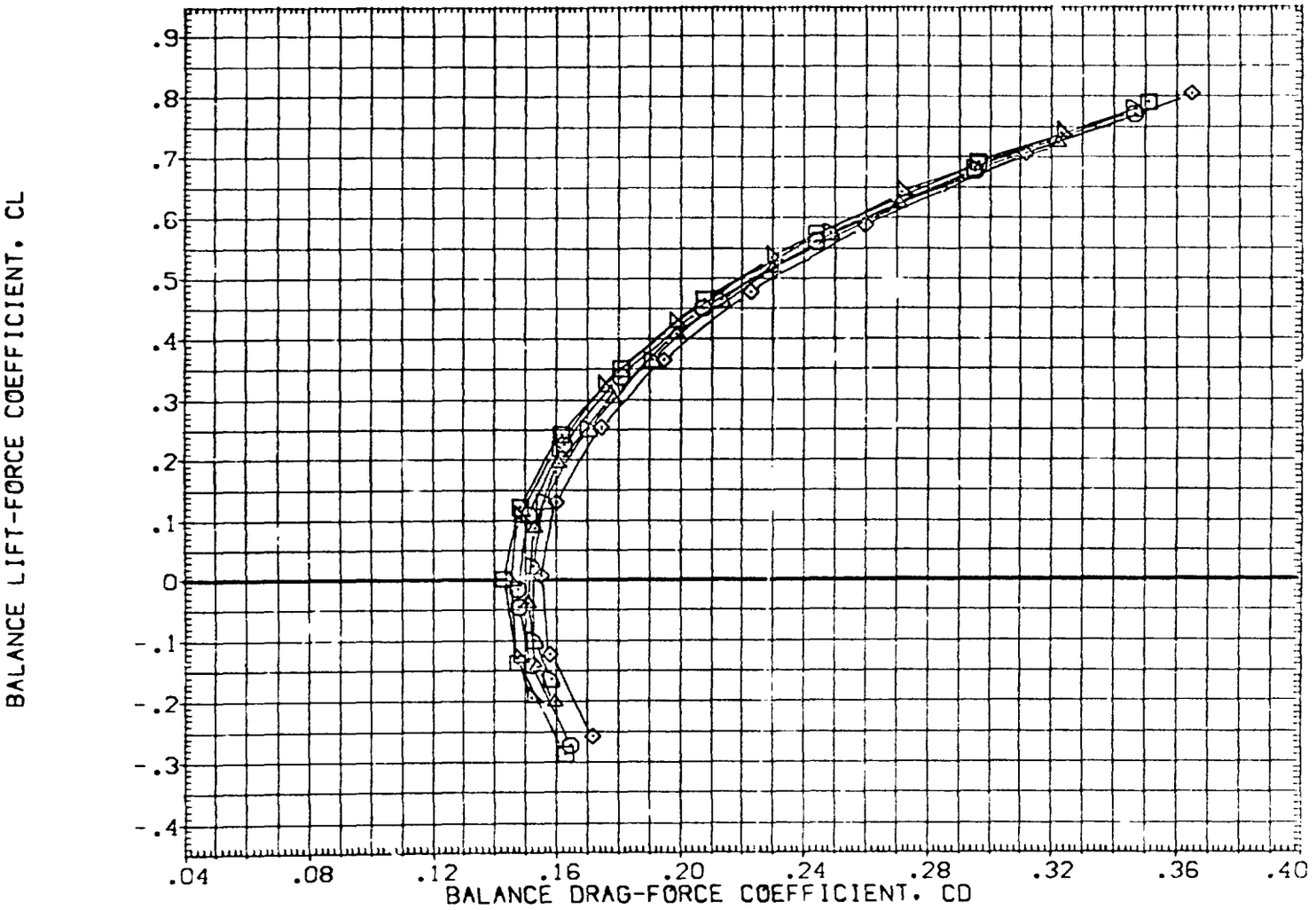


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(IER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(IER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(IER023)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

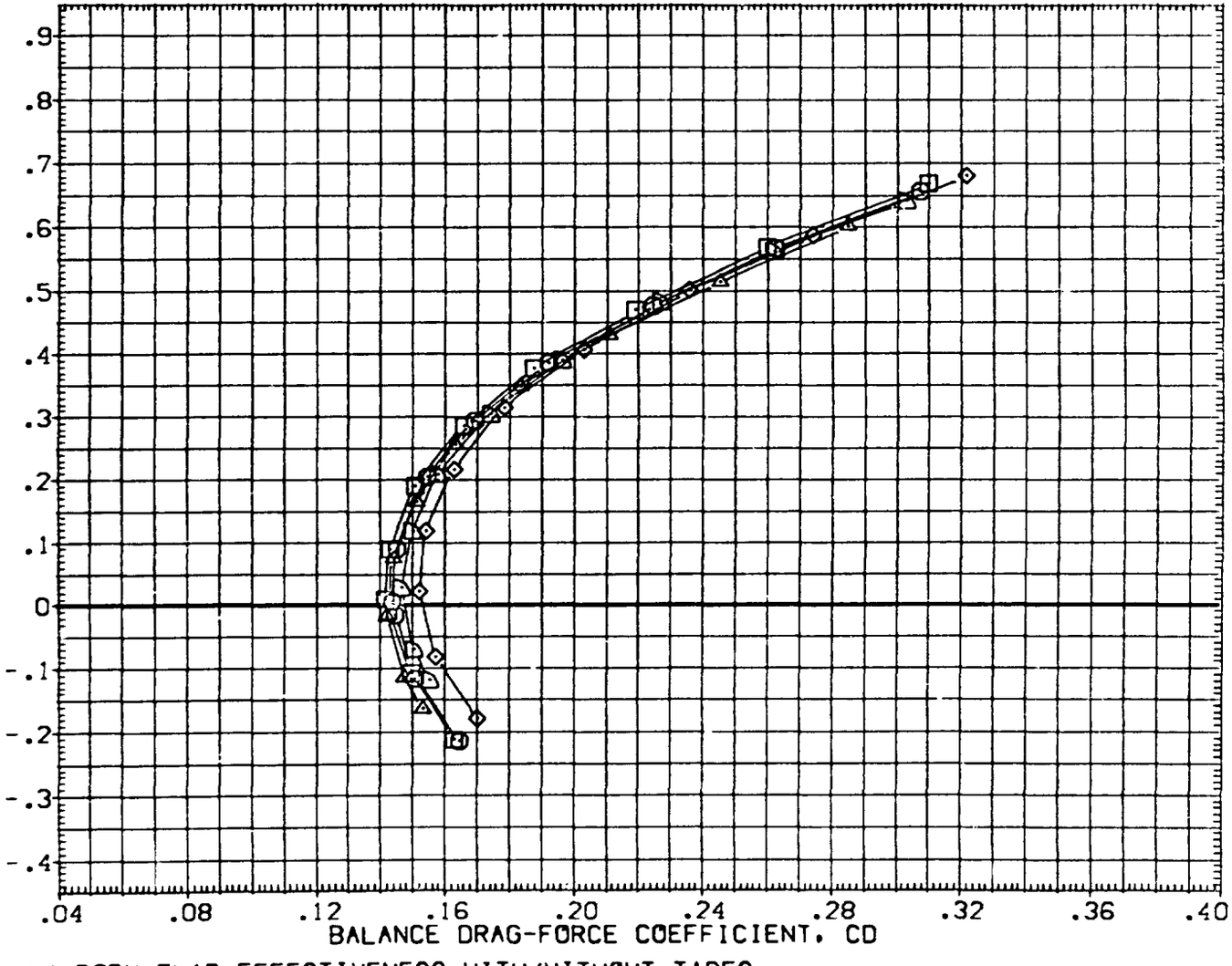


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(CER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(CER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(CER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(1ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(1ER022)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(1ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

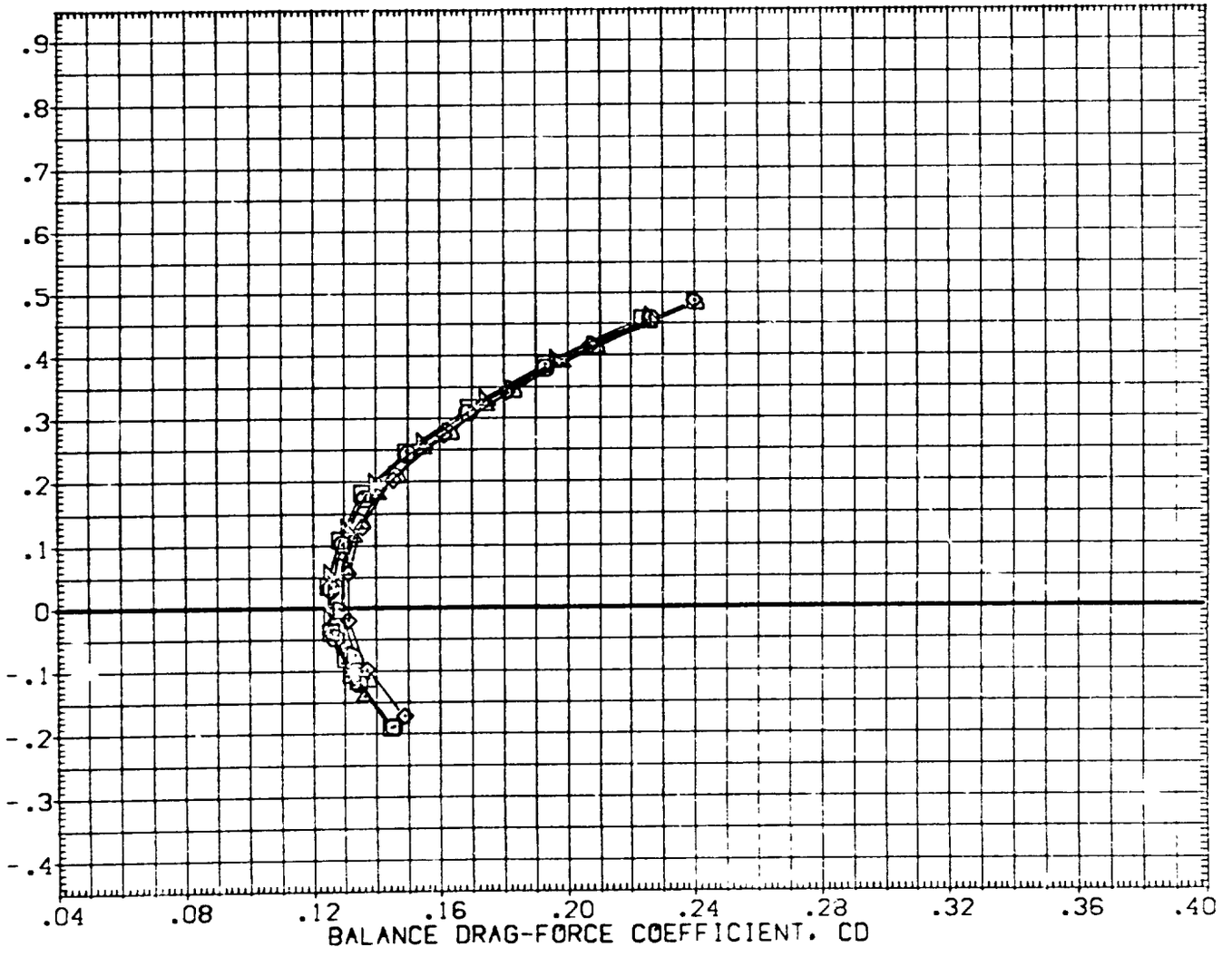


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

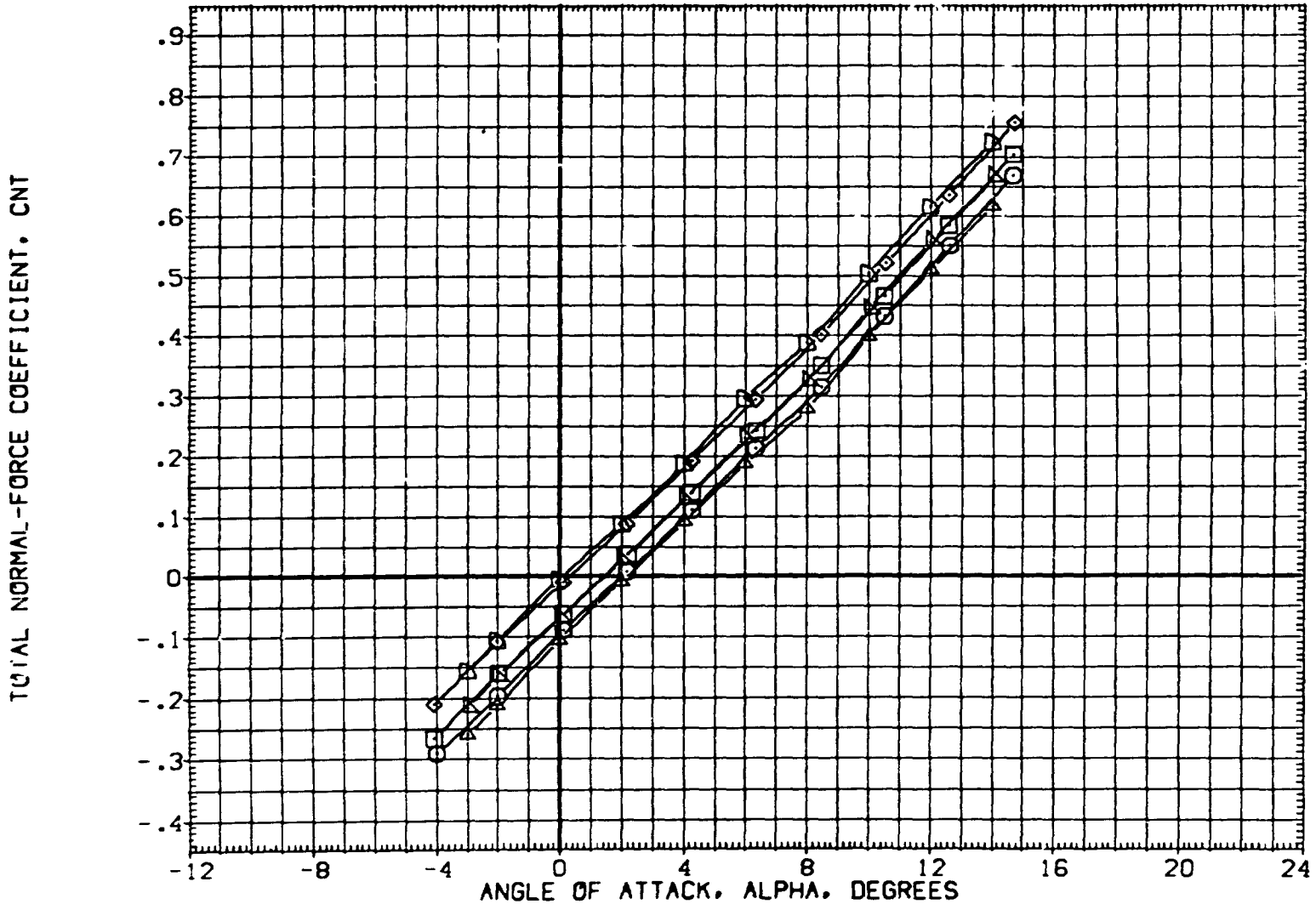


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)	ARC 66-709 CA59 CA11A-(N24)	.000	.000	.000
(GER023)	ARC 66-709 CA59 CA11A-(N24)	.000	.000	16.300
(3ER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	ARC 66-709 CA59 CA11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

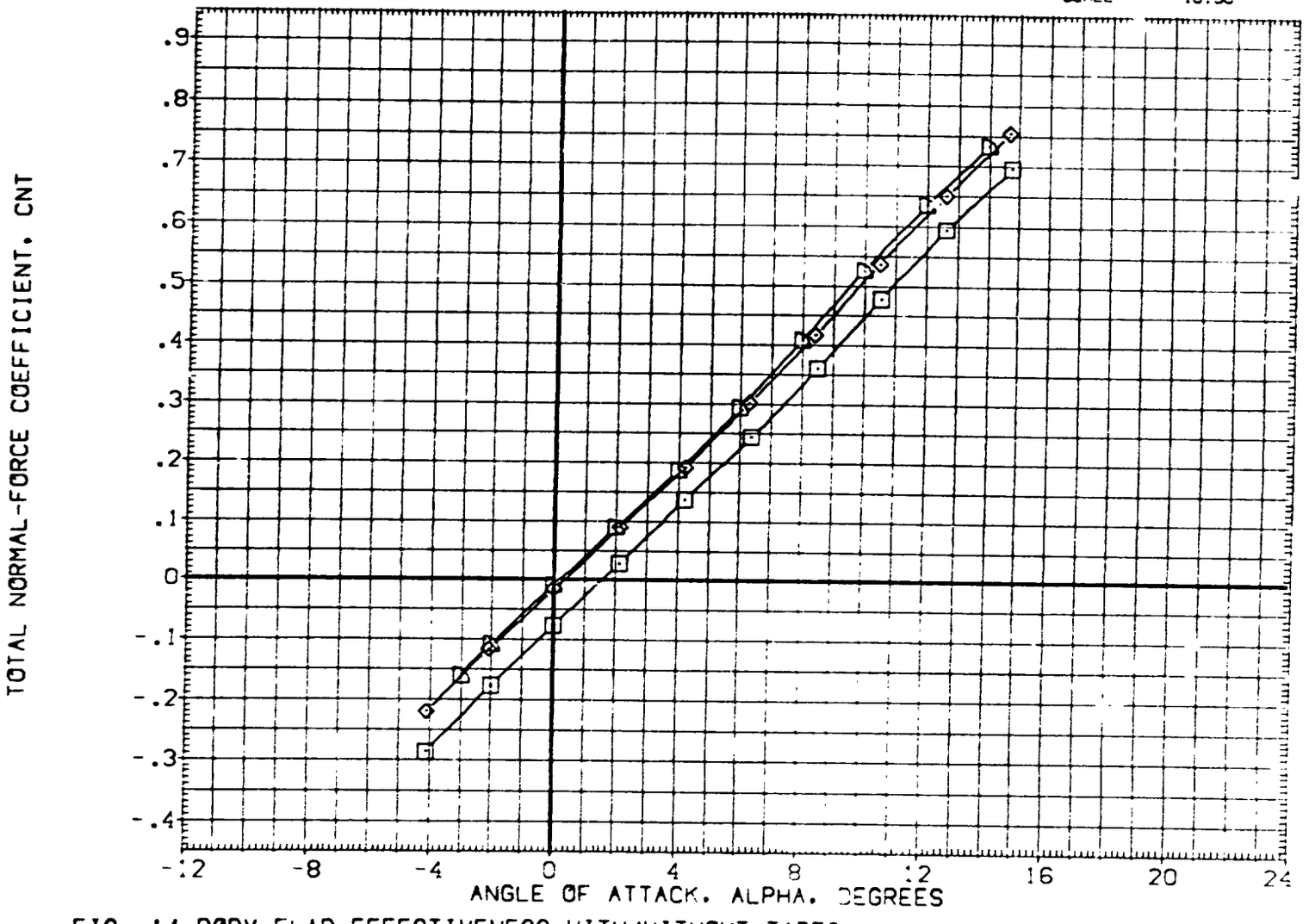


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

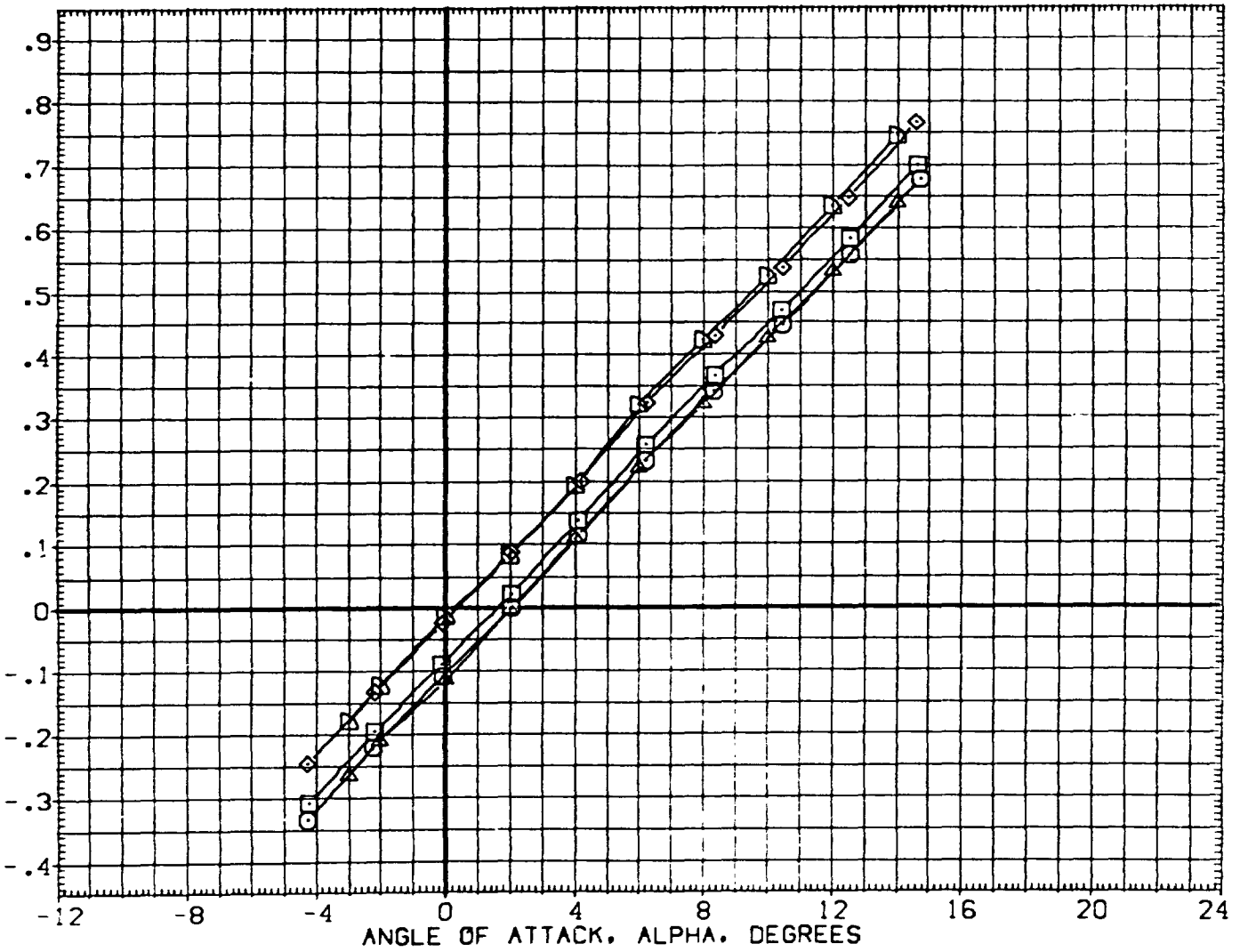


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.00	.000	-11.700
(GER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	□	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

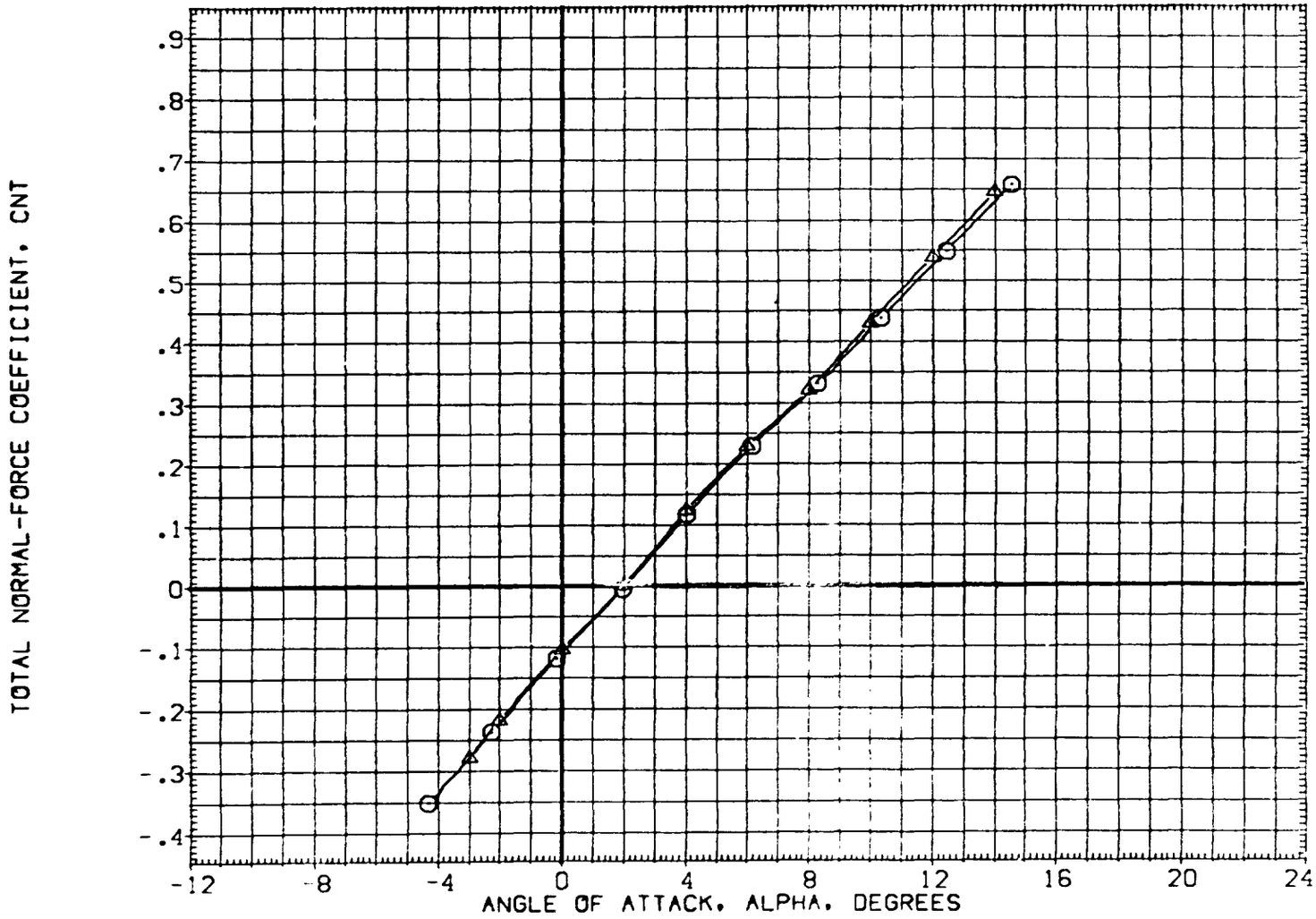


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

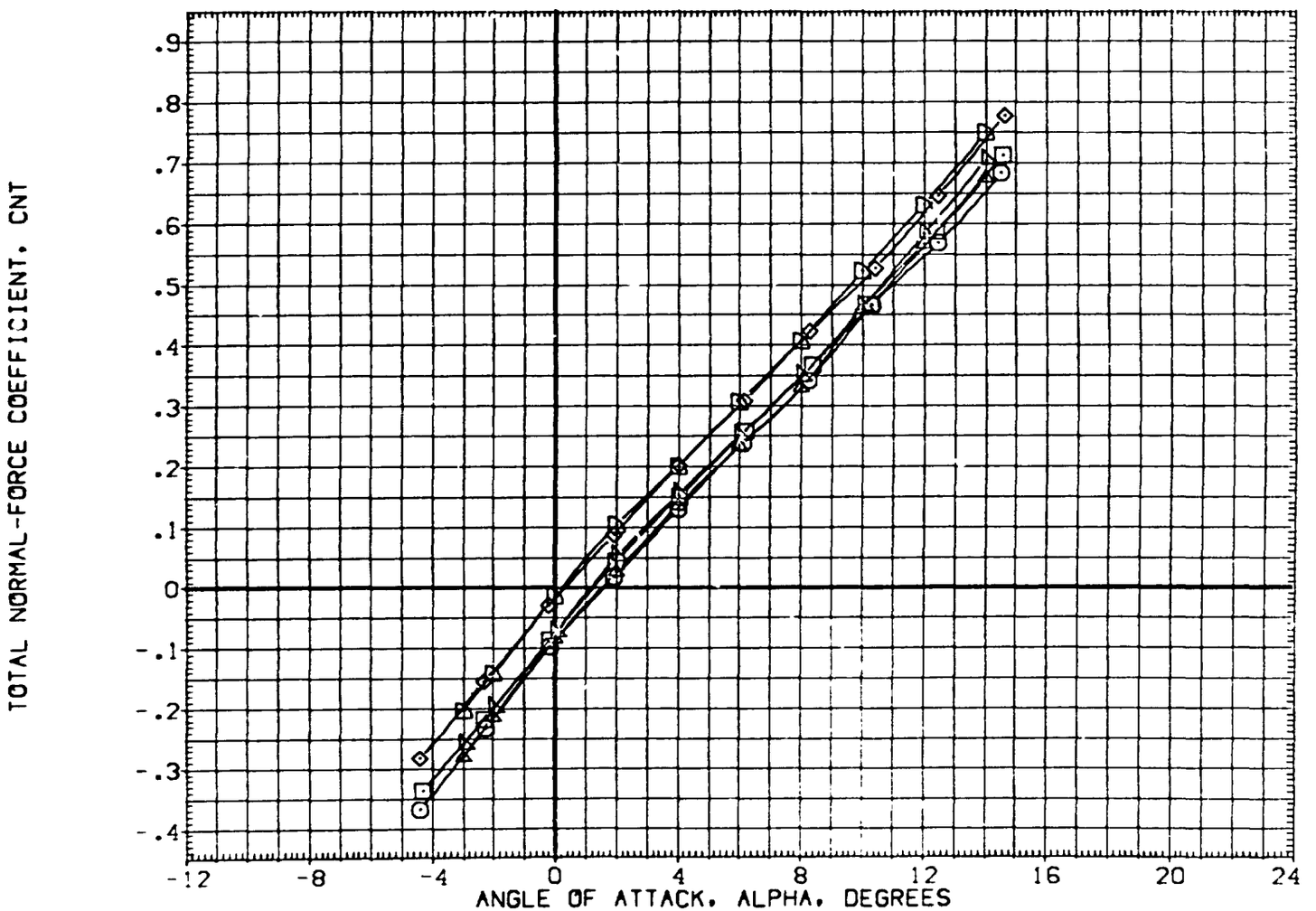


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		DATA NOT AVAILABLE	.000	.000	.000
(GER023)		DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

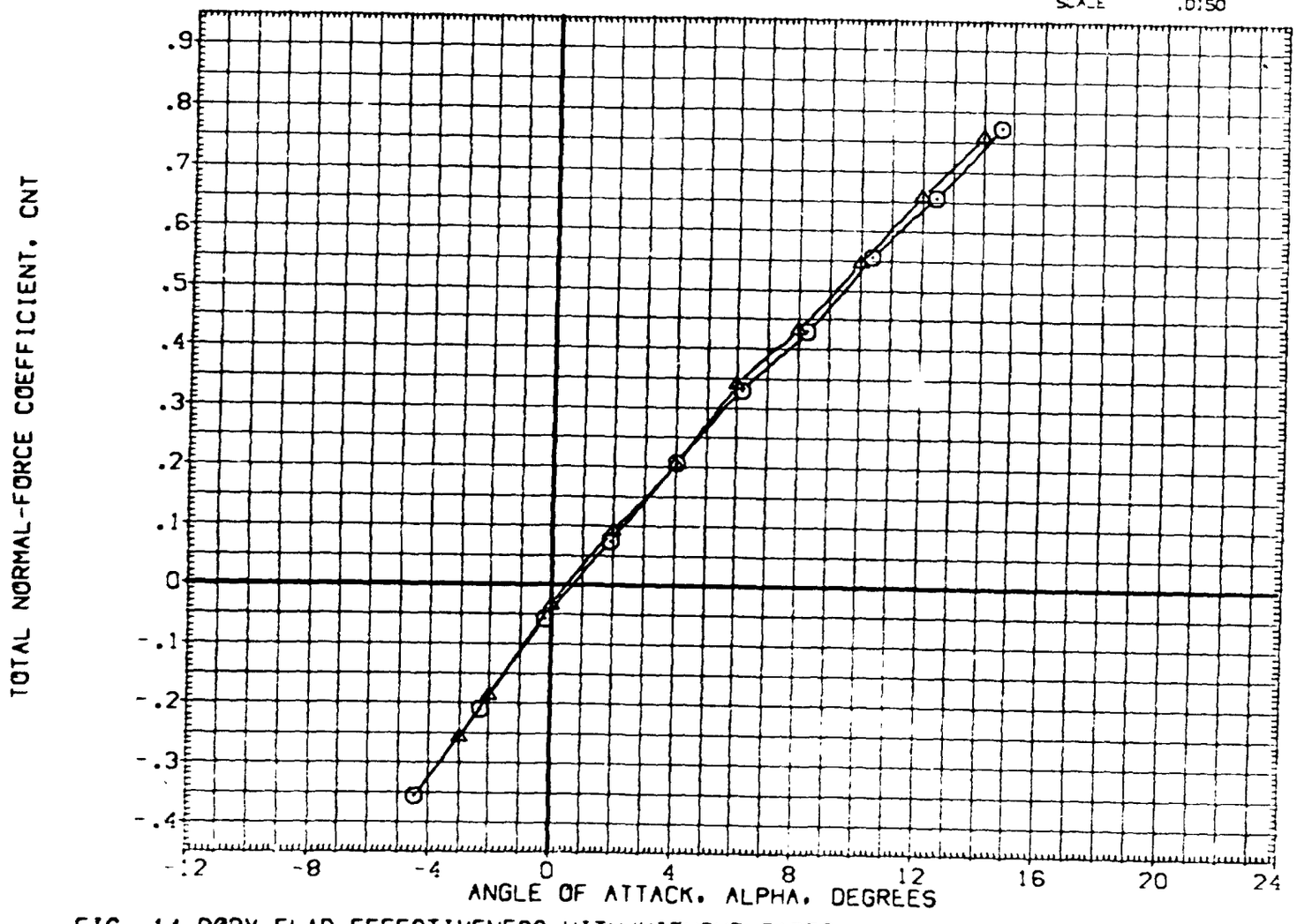


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MAC .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A58 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

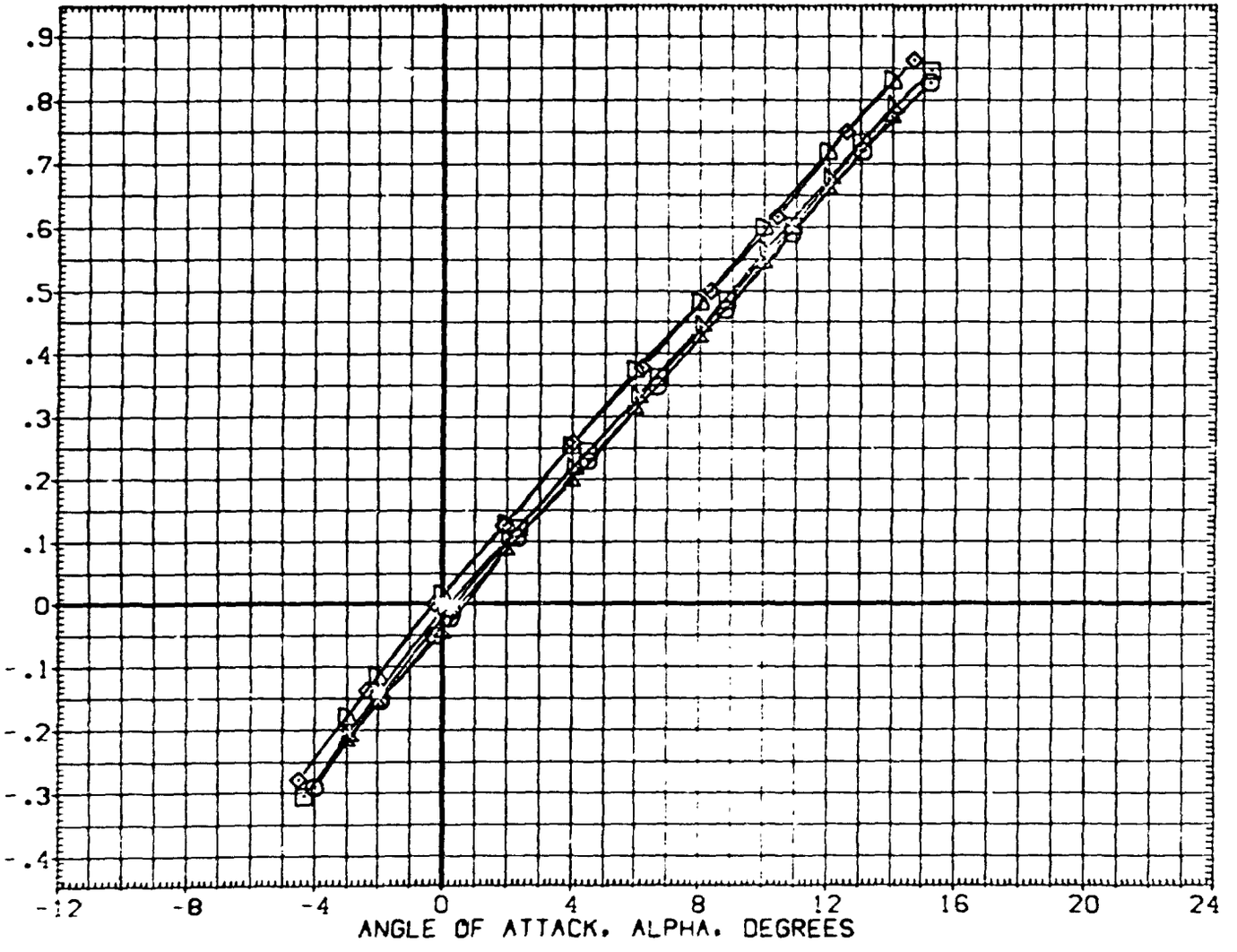


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

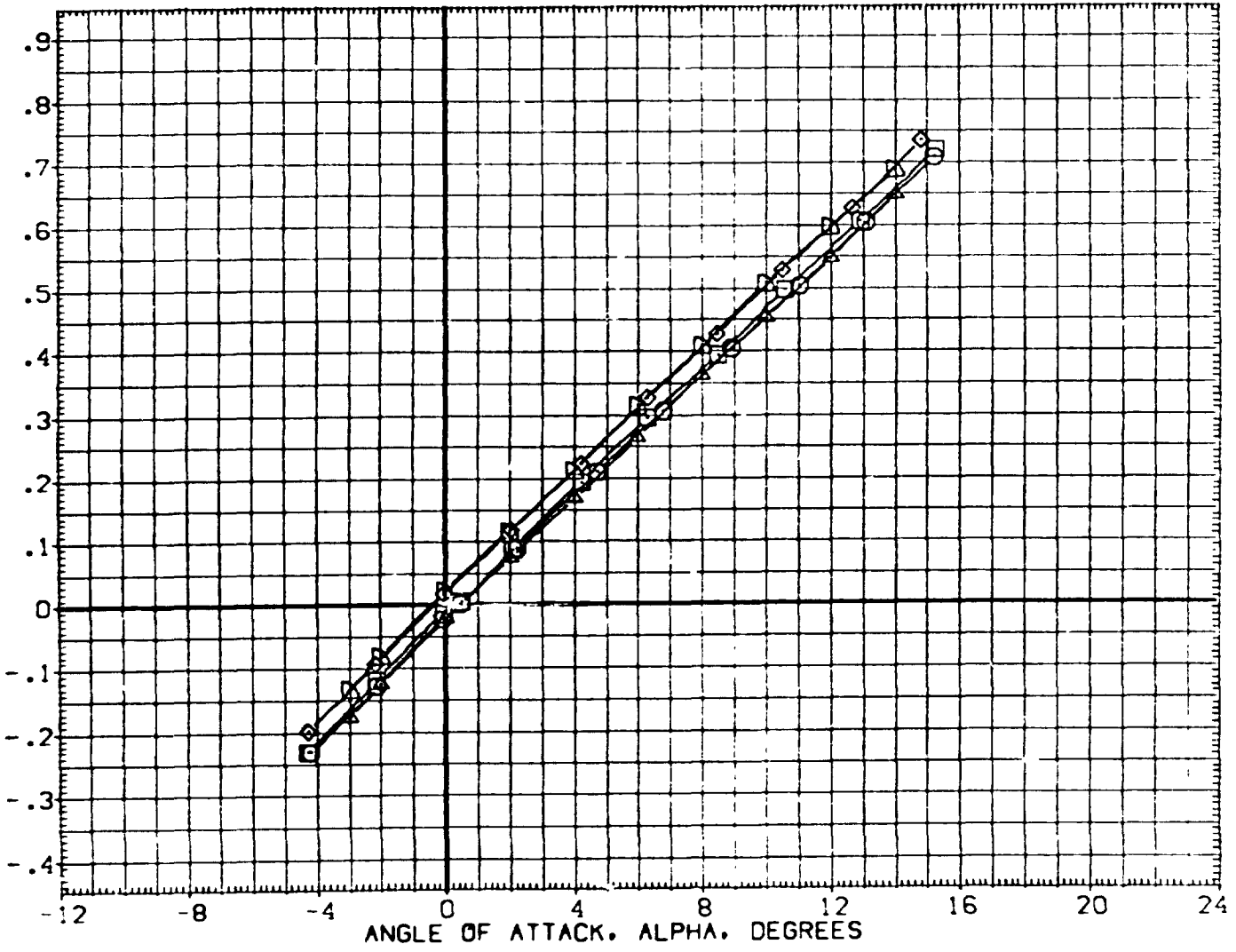


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

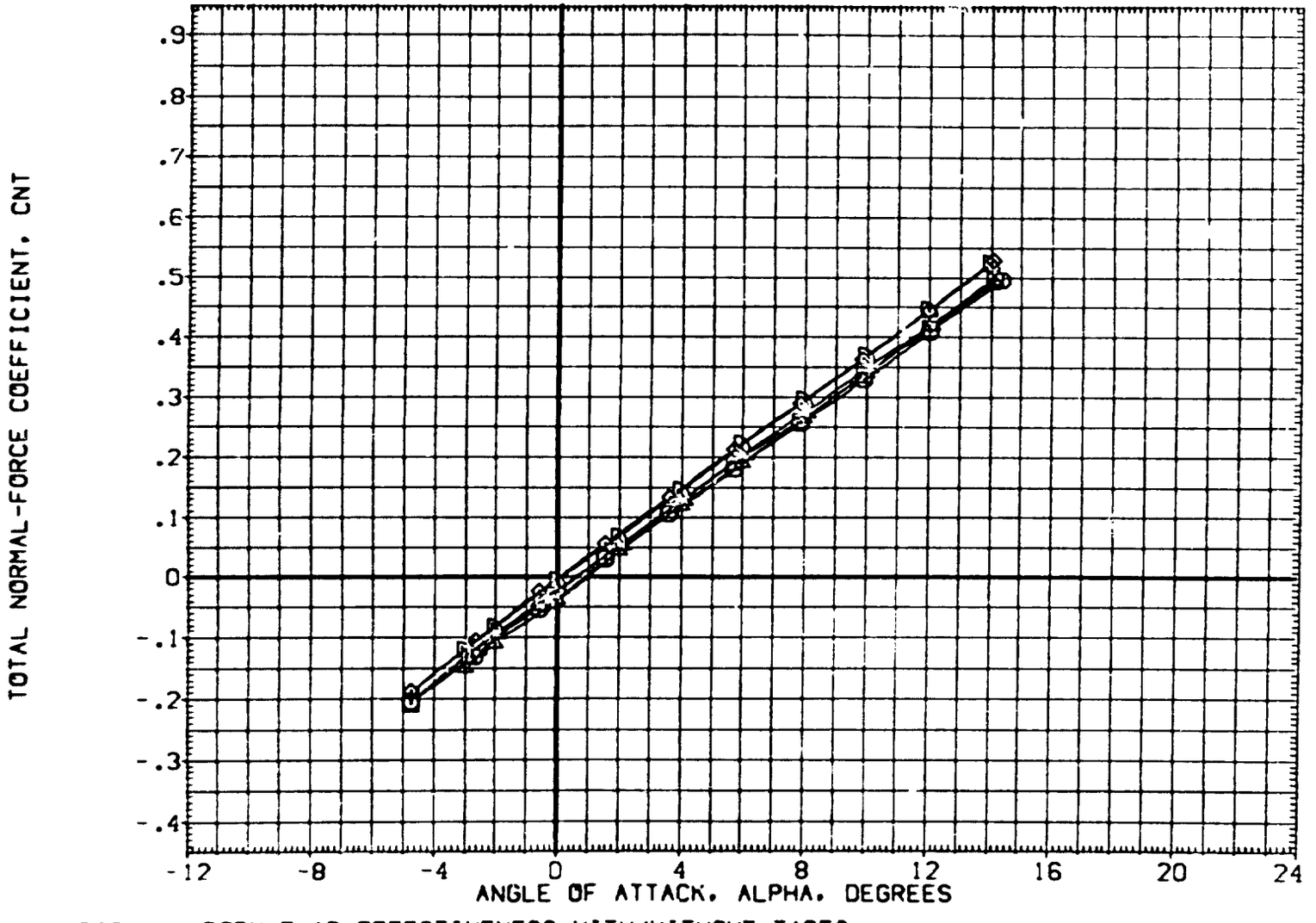


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(JER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(JER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(JER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

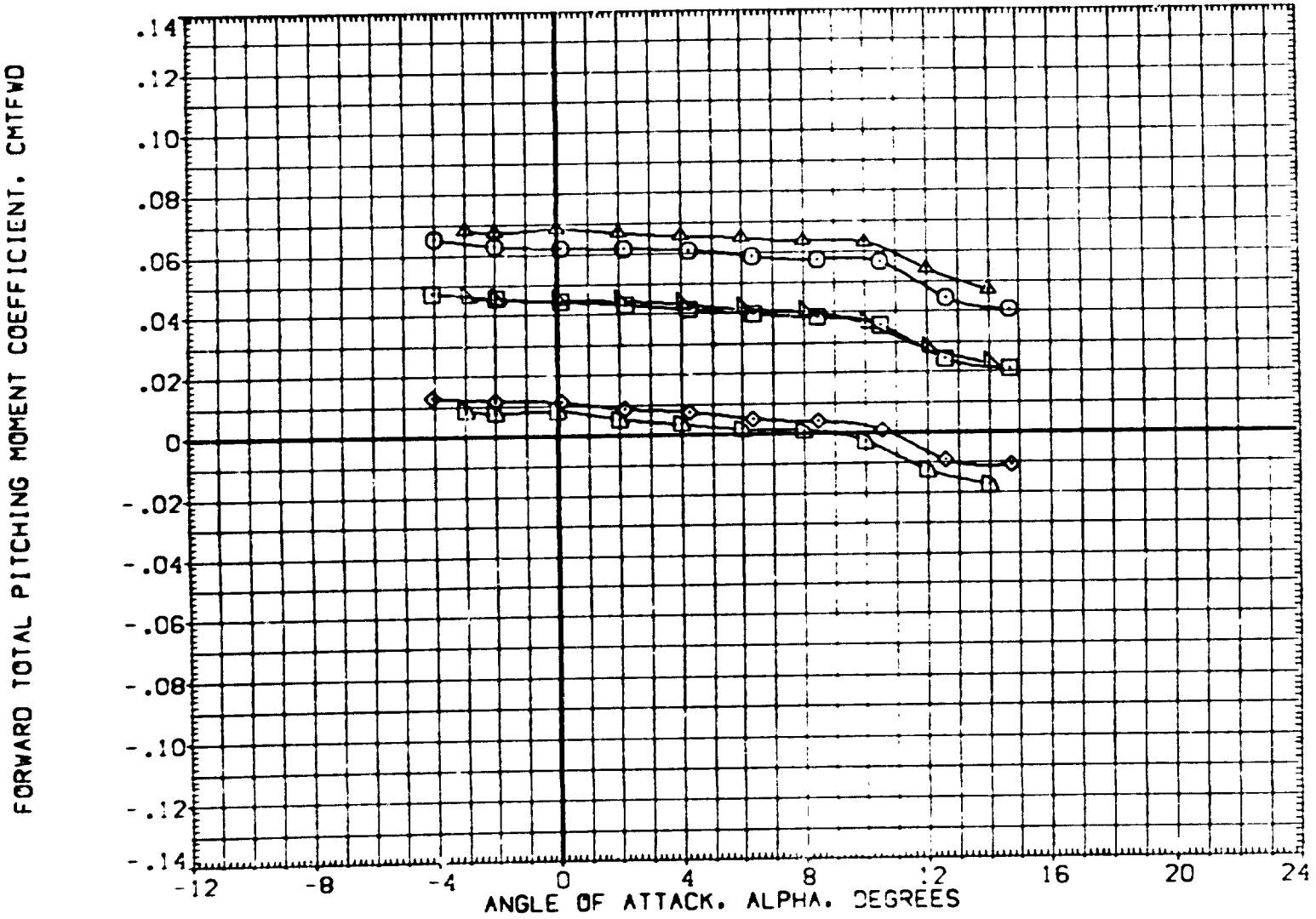


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	⋈	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION

SREF	.6053	SQ. FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

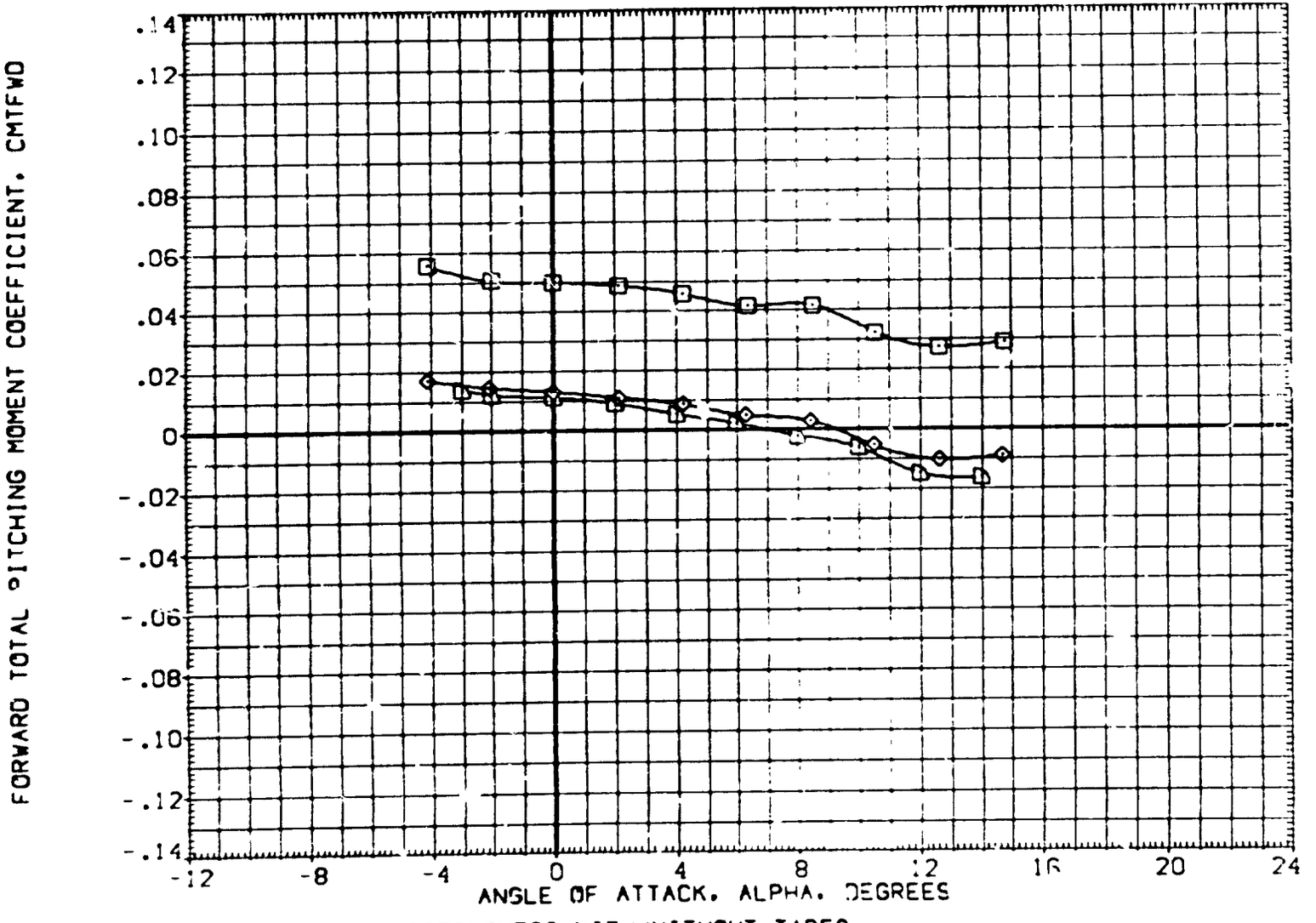


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

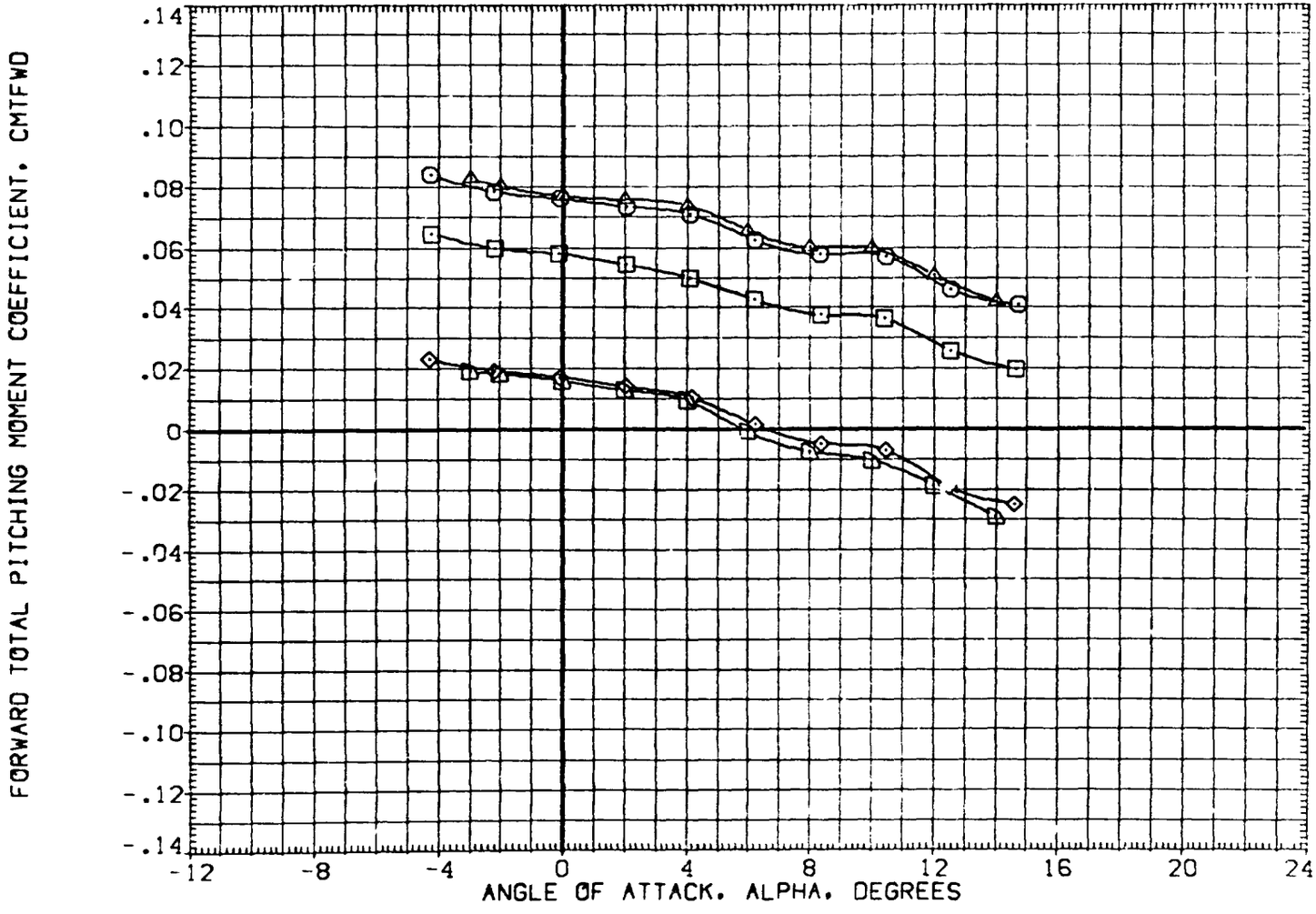


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

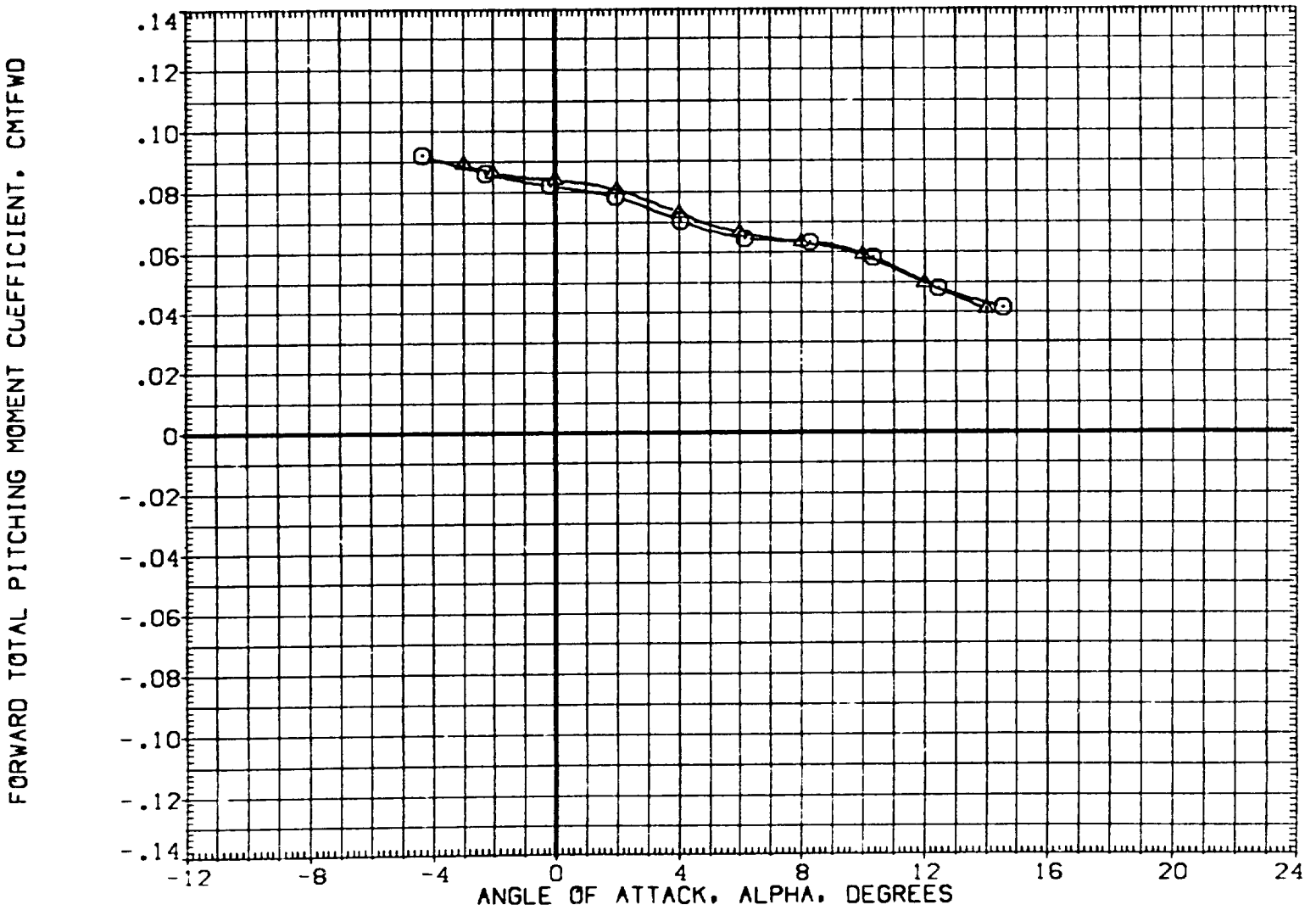


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

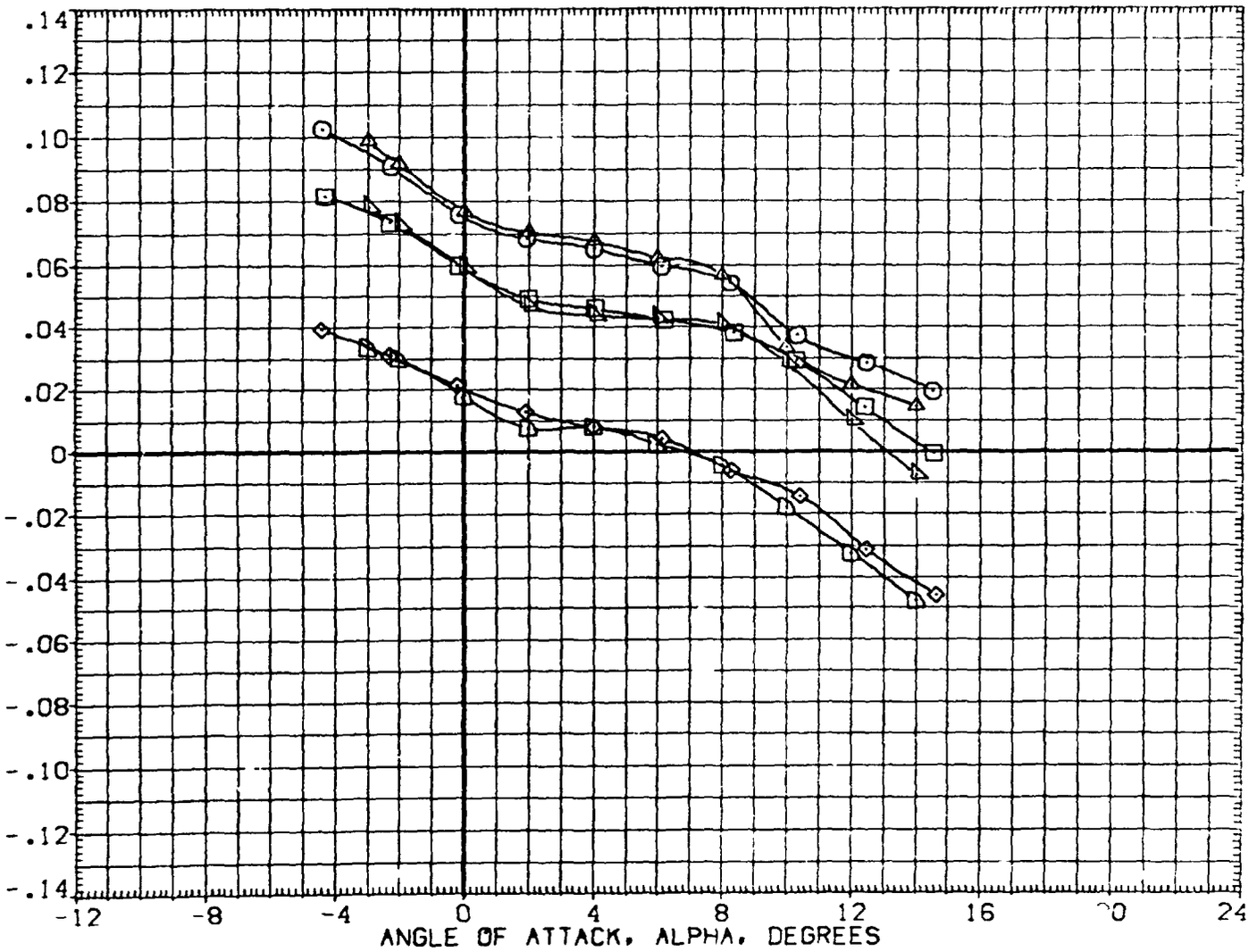


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		DATA NOT AVAILABLE	.000	.000	.000
(GER023)		DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

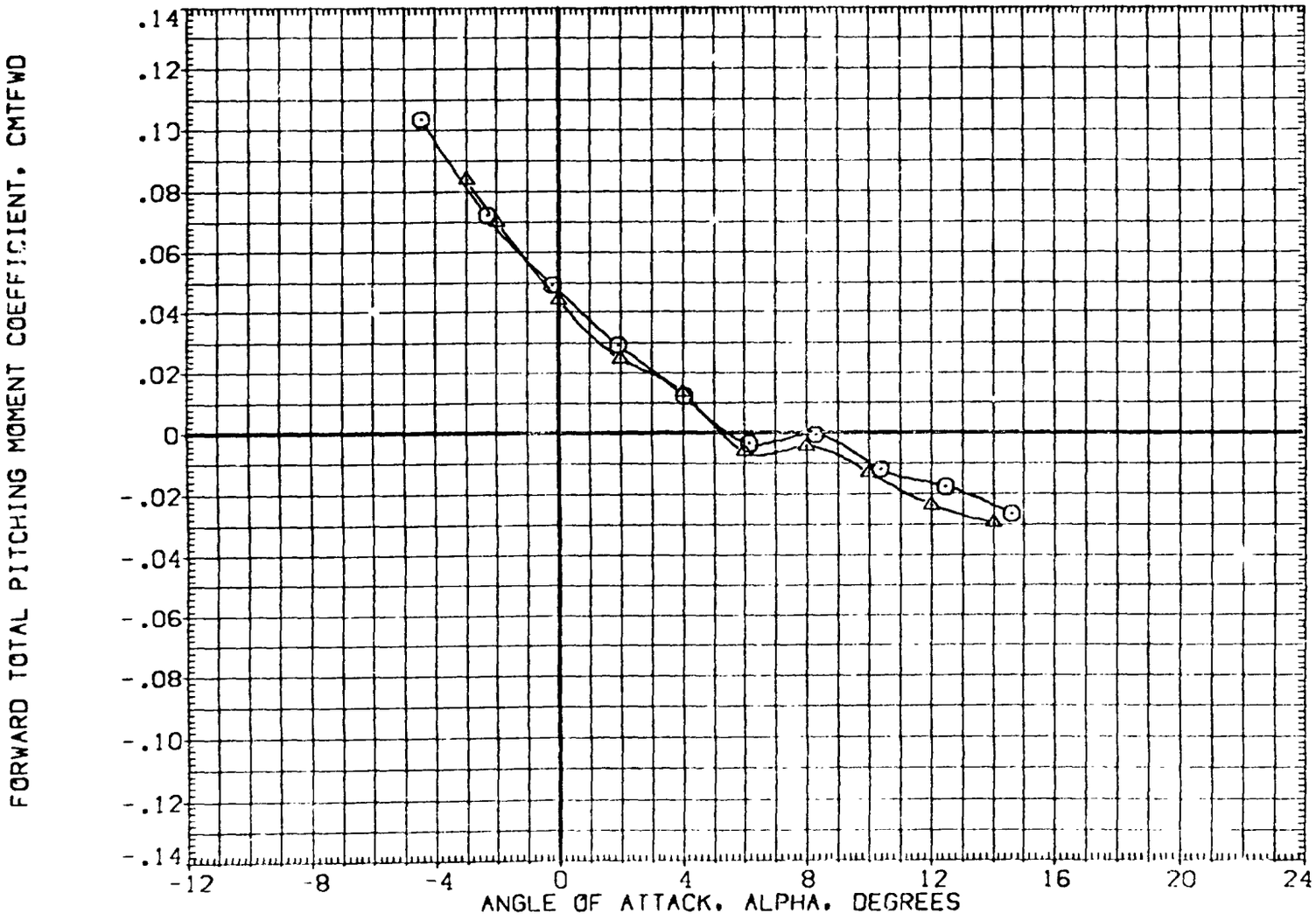


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

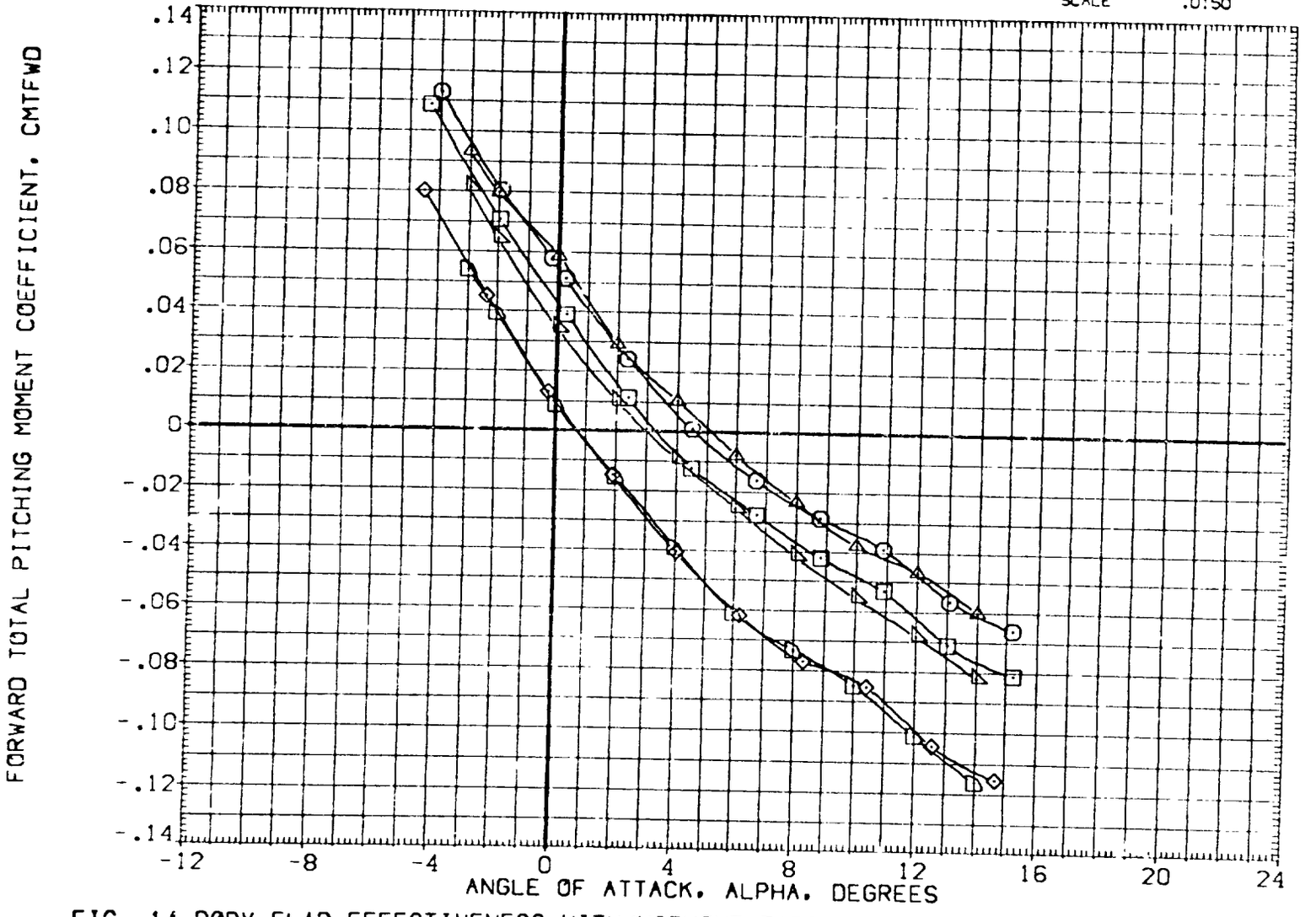


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	D	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

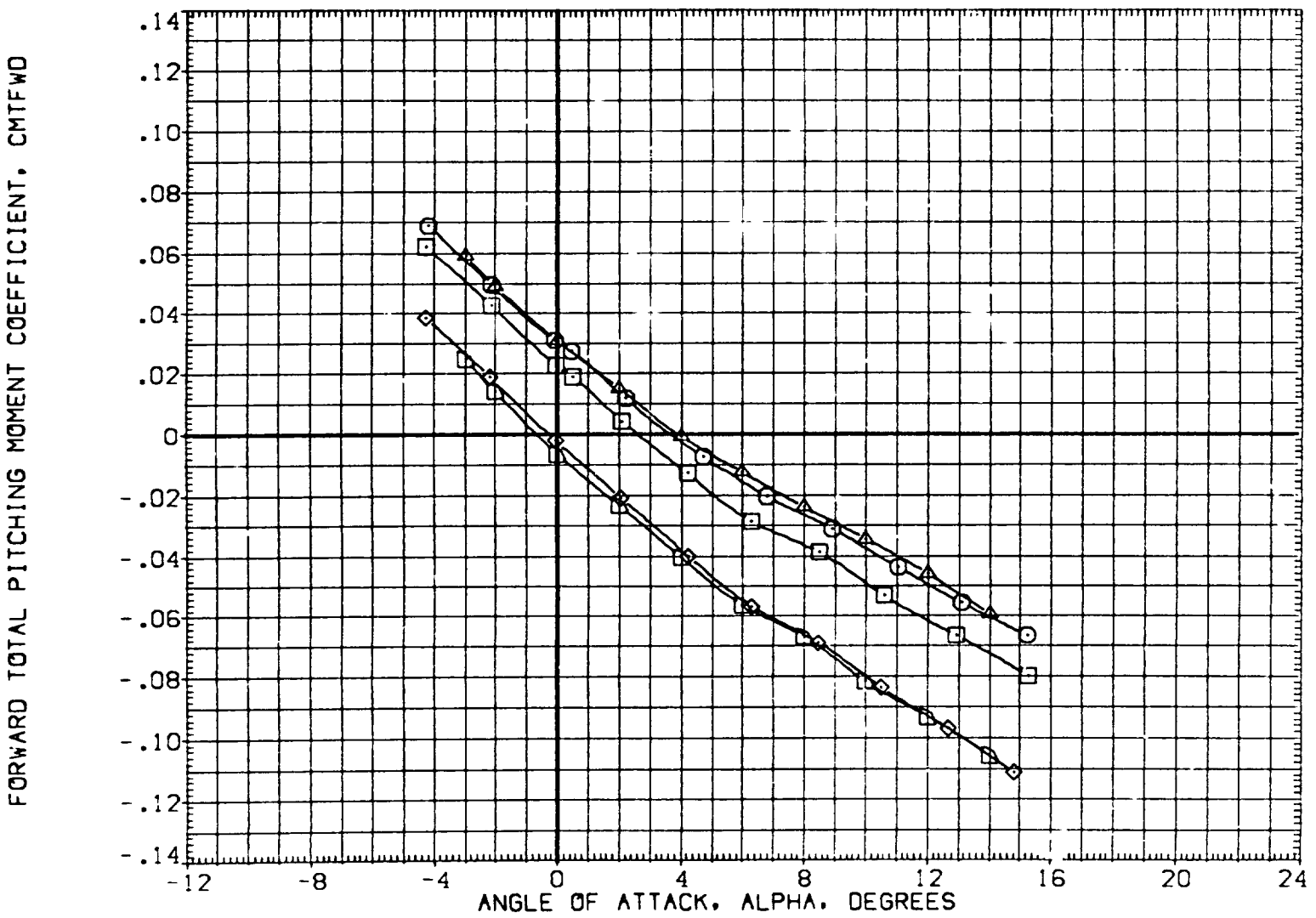


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

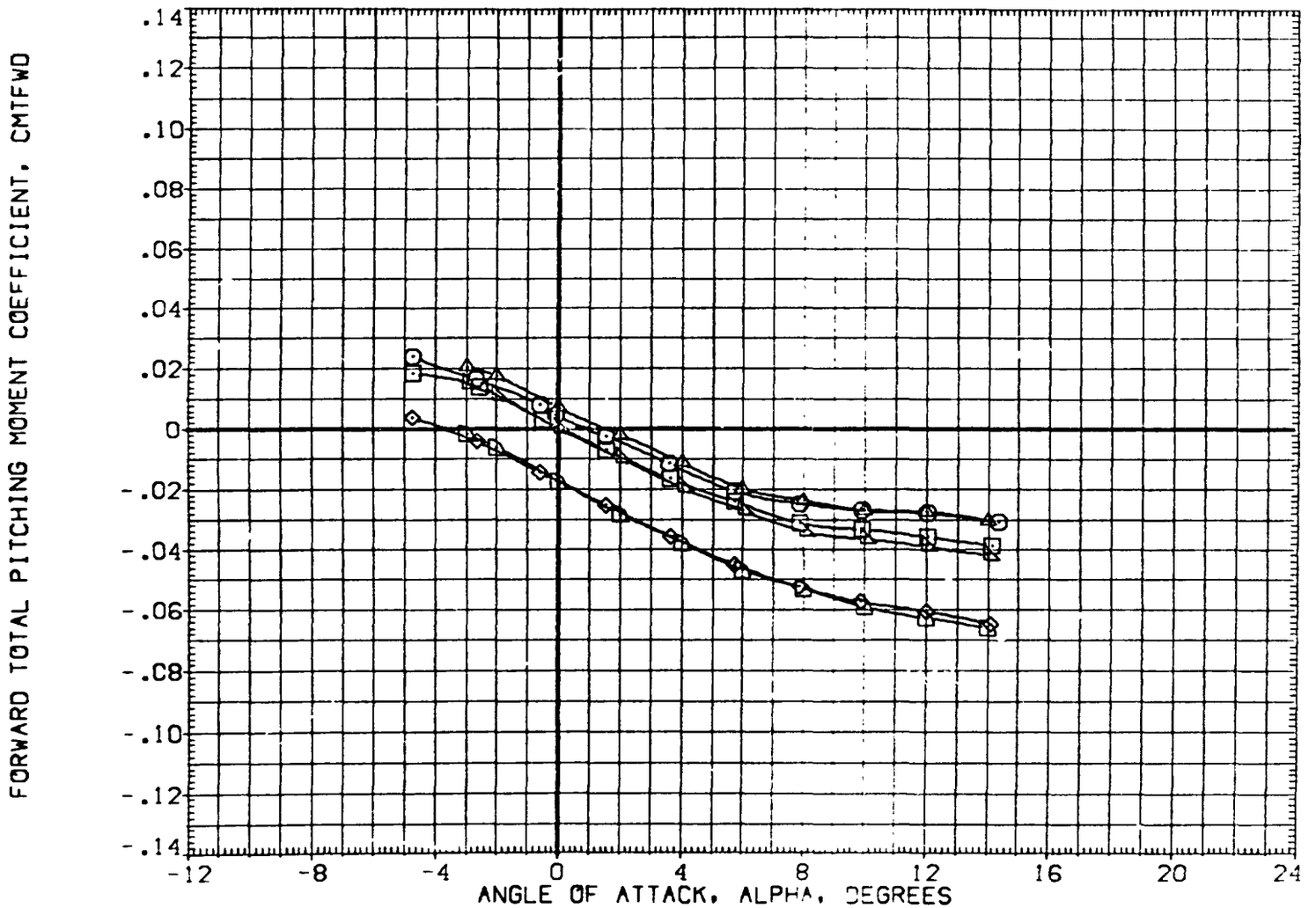


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

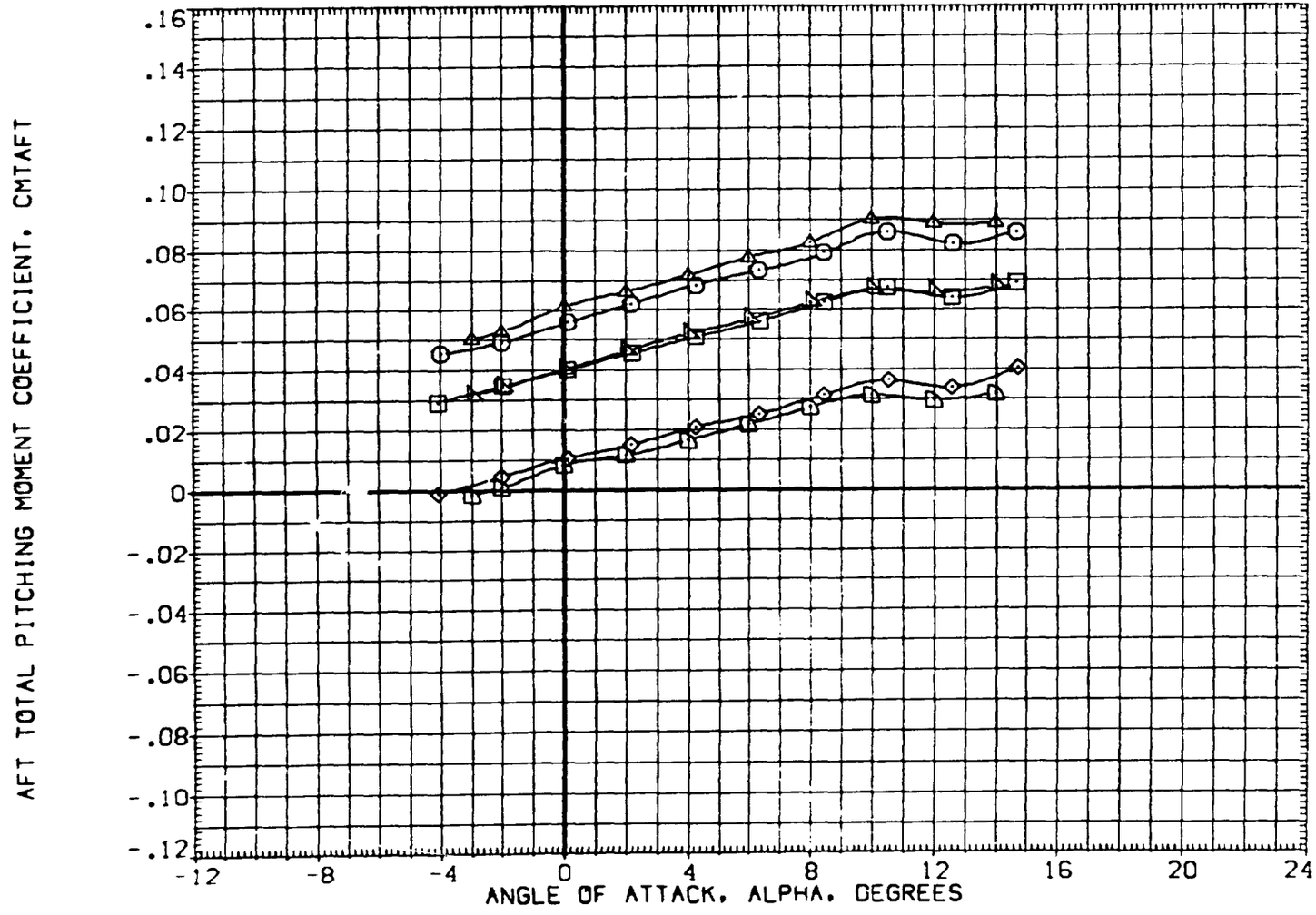


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

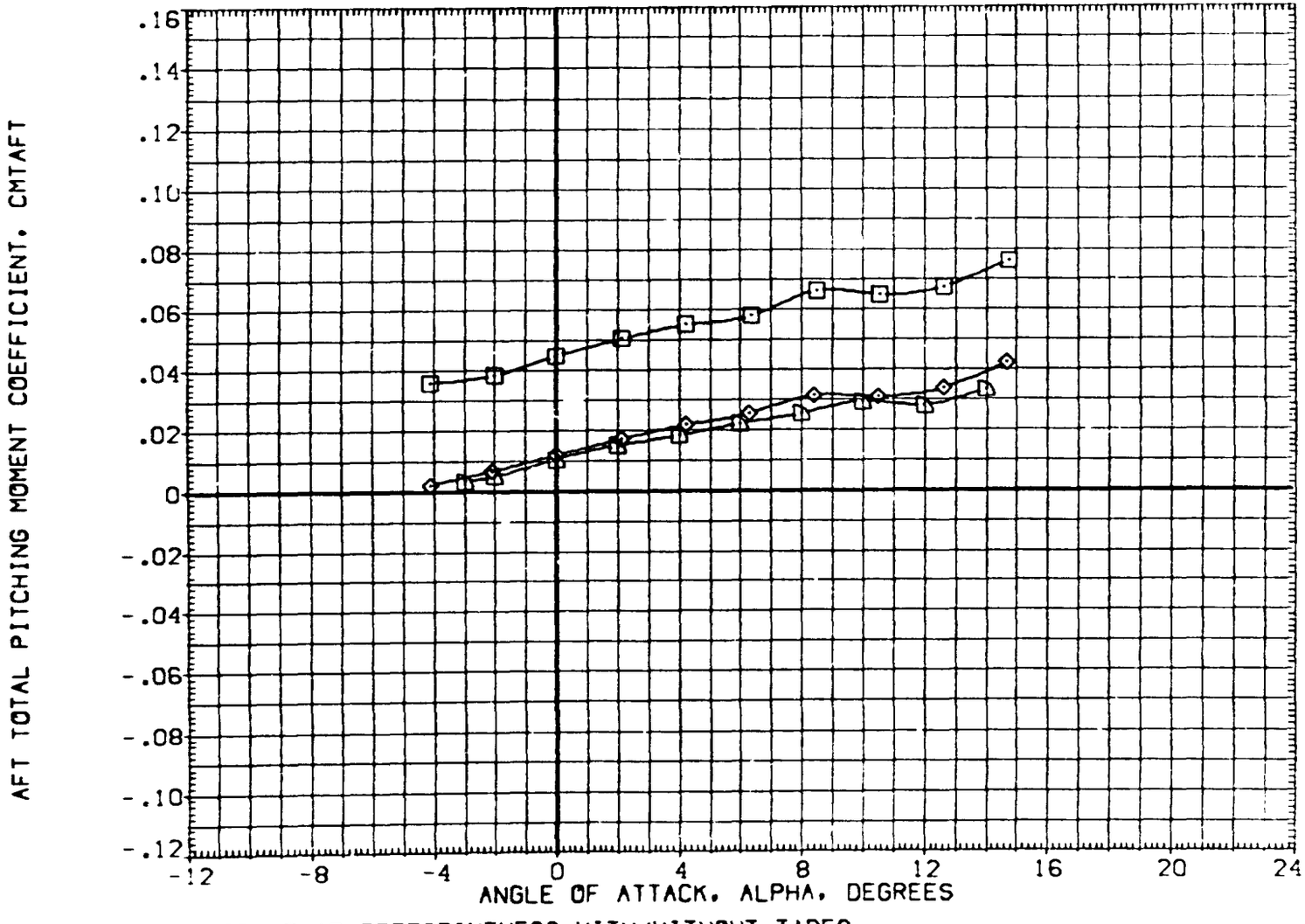


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

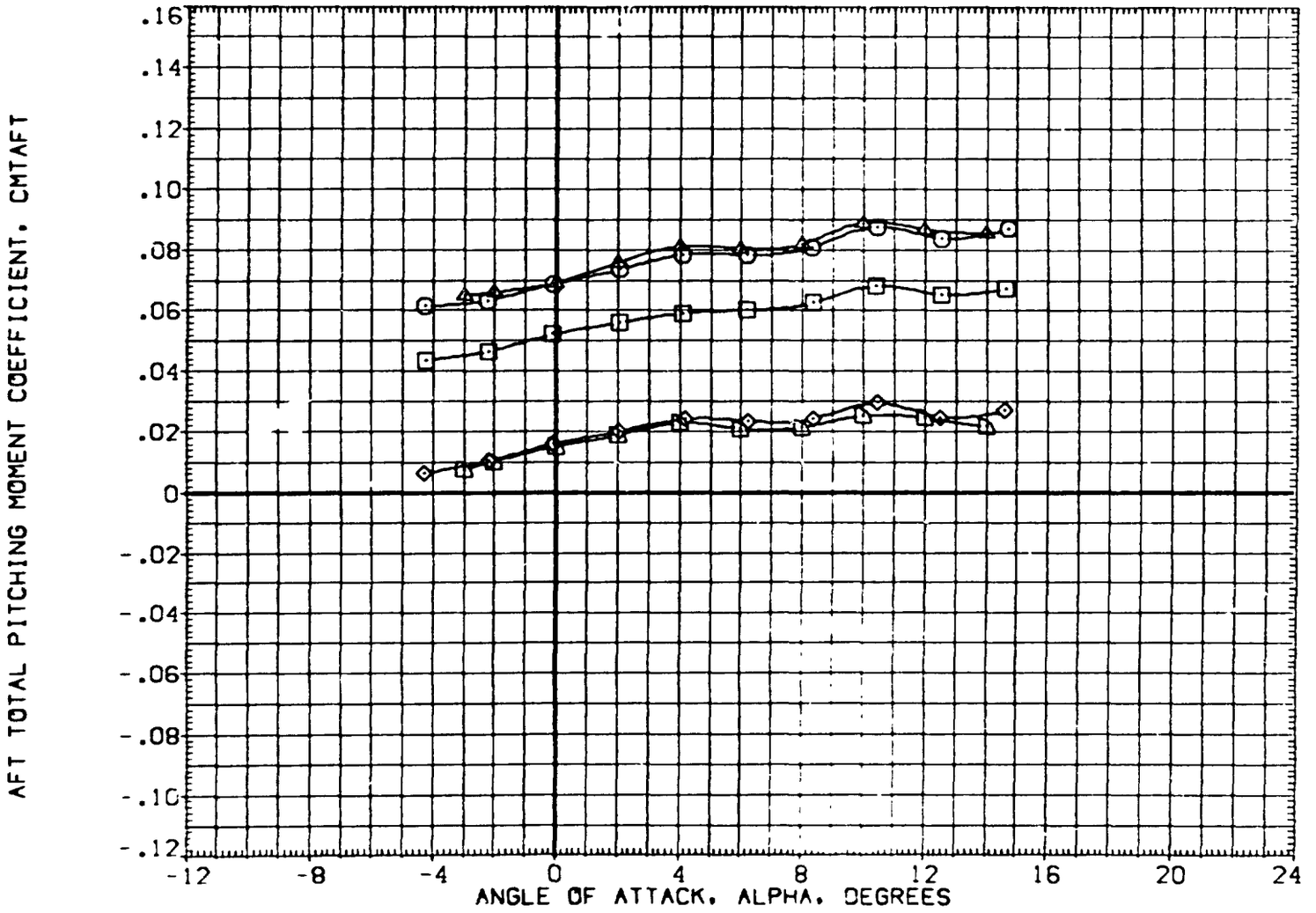


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		DATA NOT AVAILABLE	.000	.000	.000
(GER023)		DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

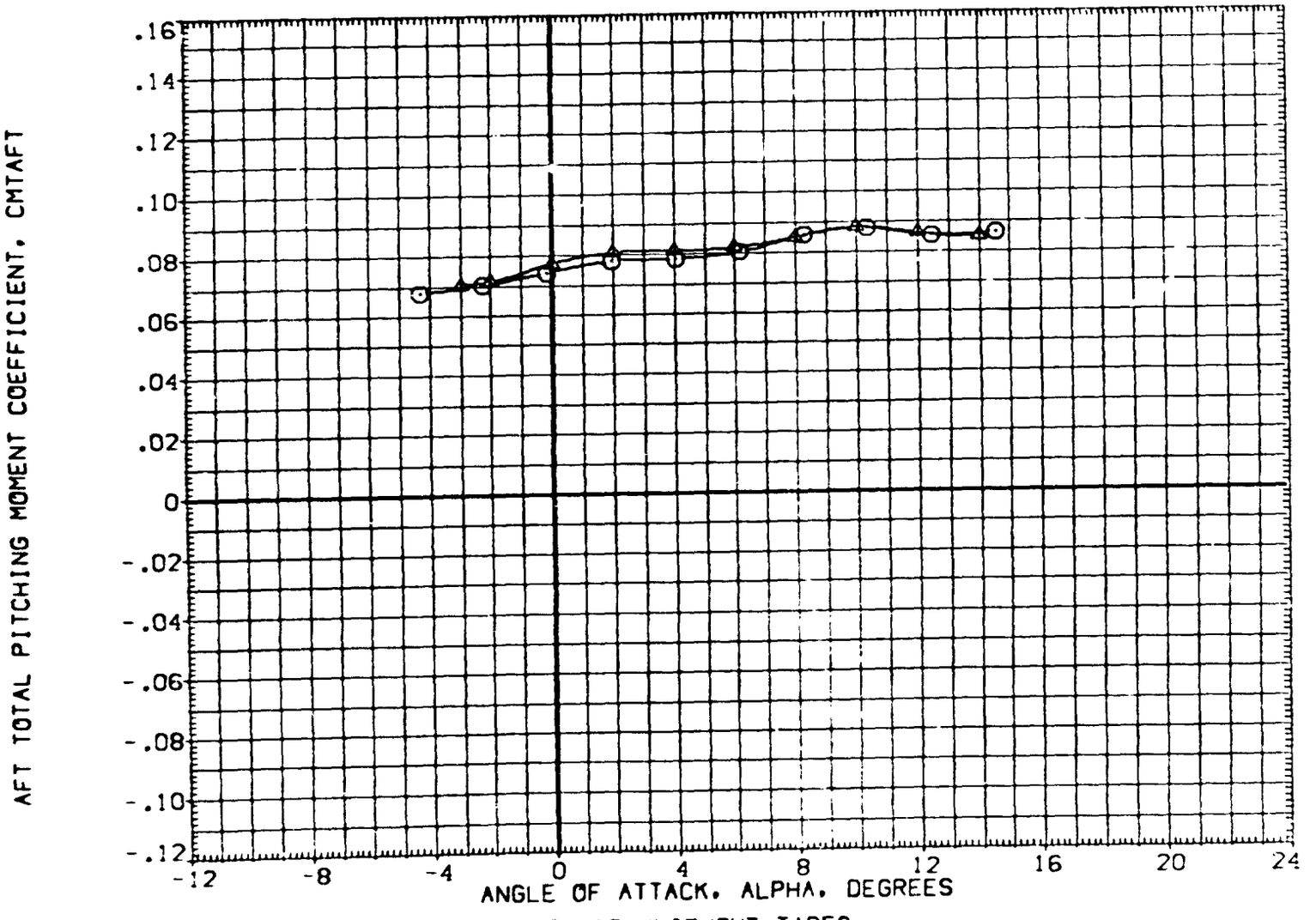


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

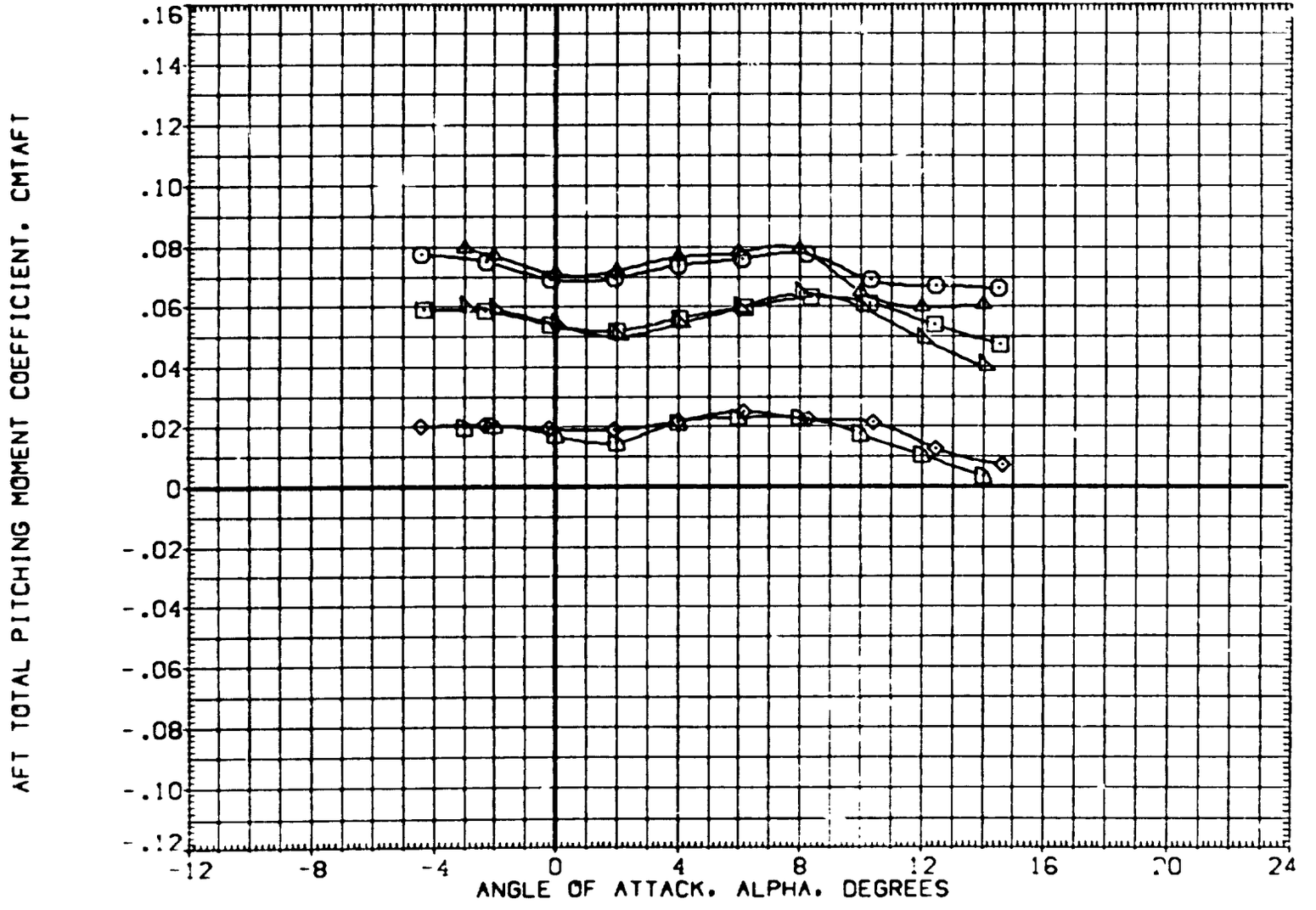


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MAC = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	⊠	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	D	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
CREF	.5835	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

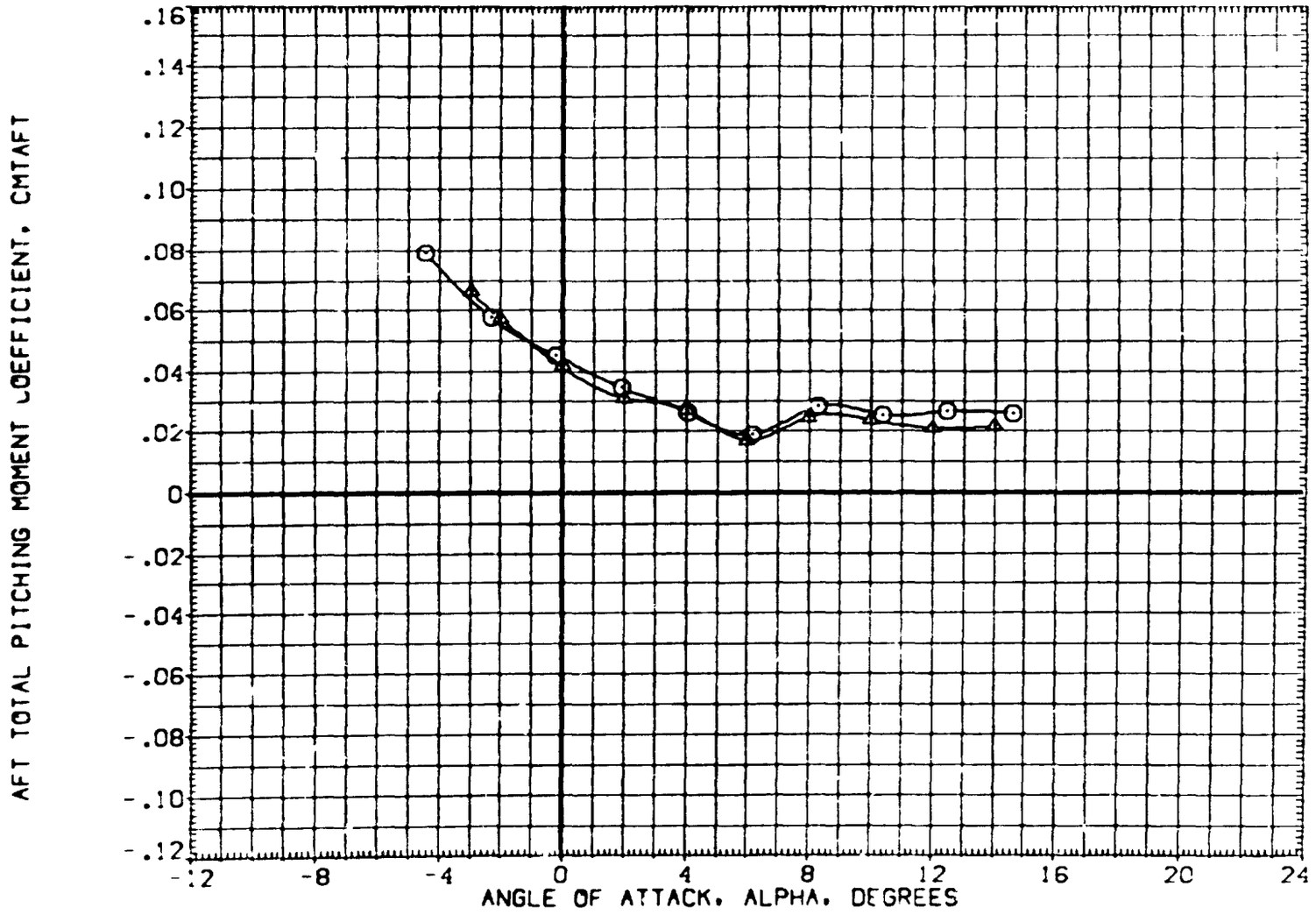


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3KR019)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3KR022)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3KR023)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

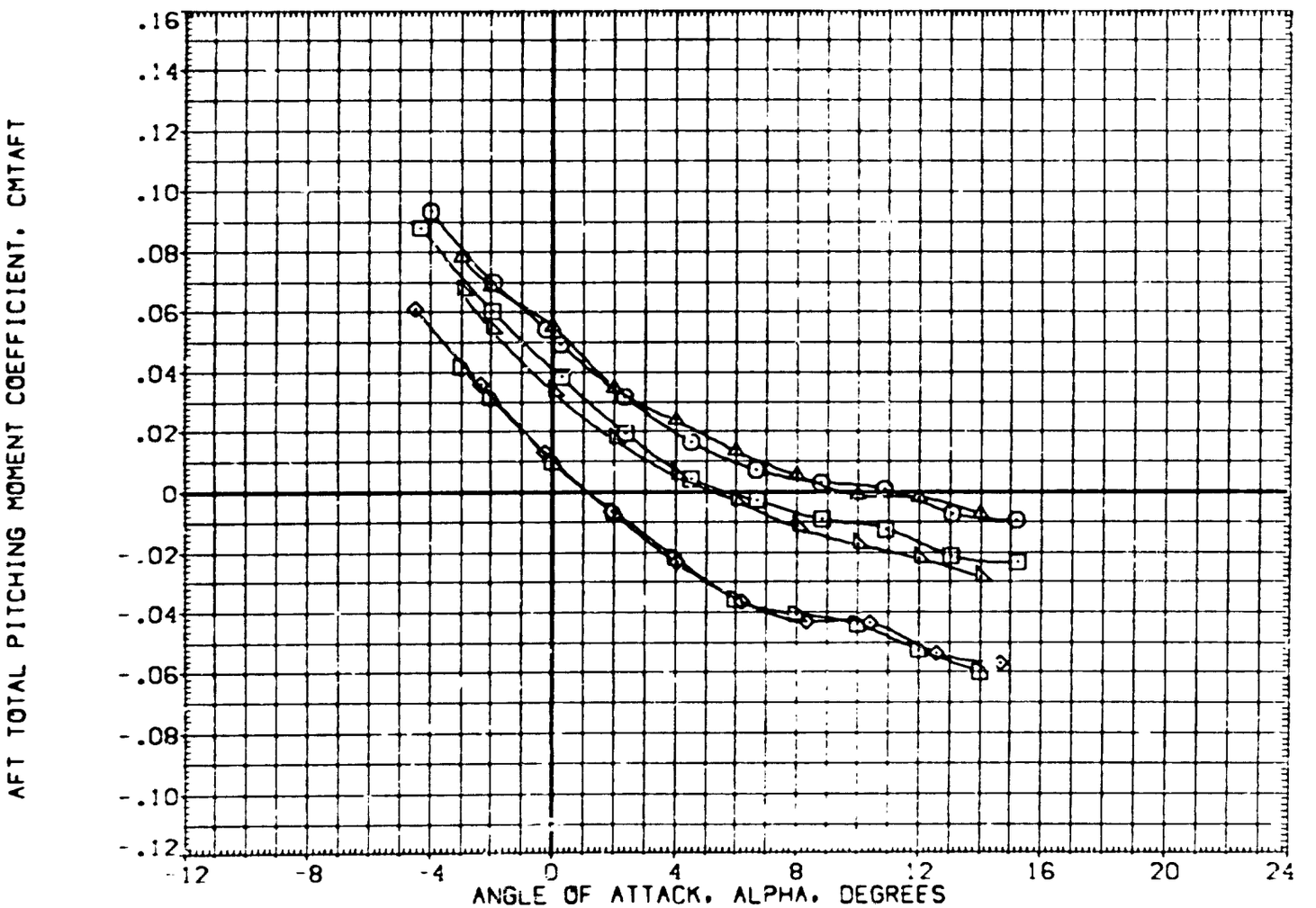


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 CA11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

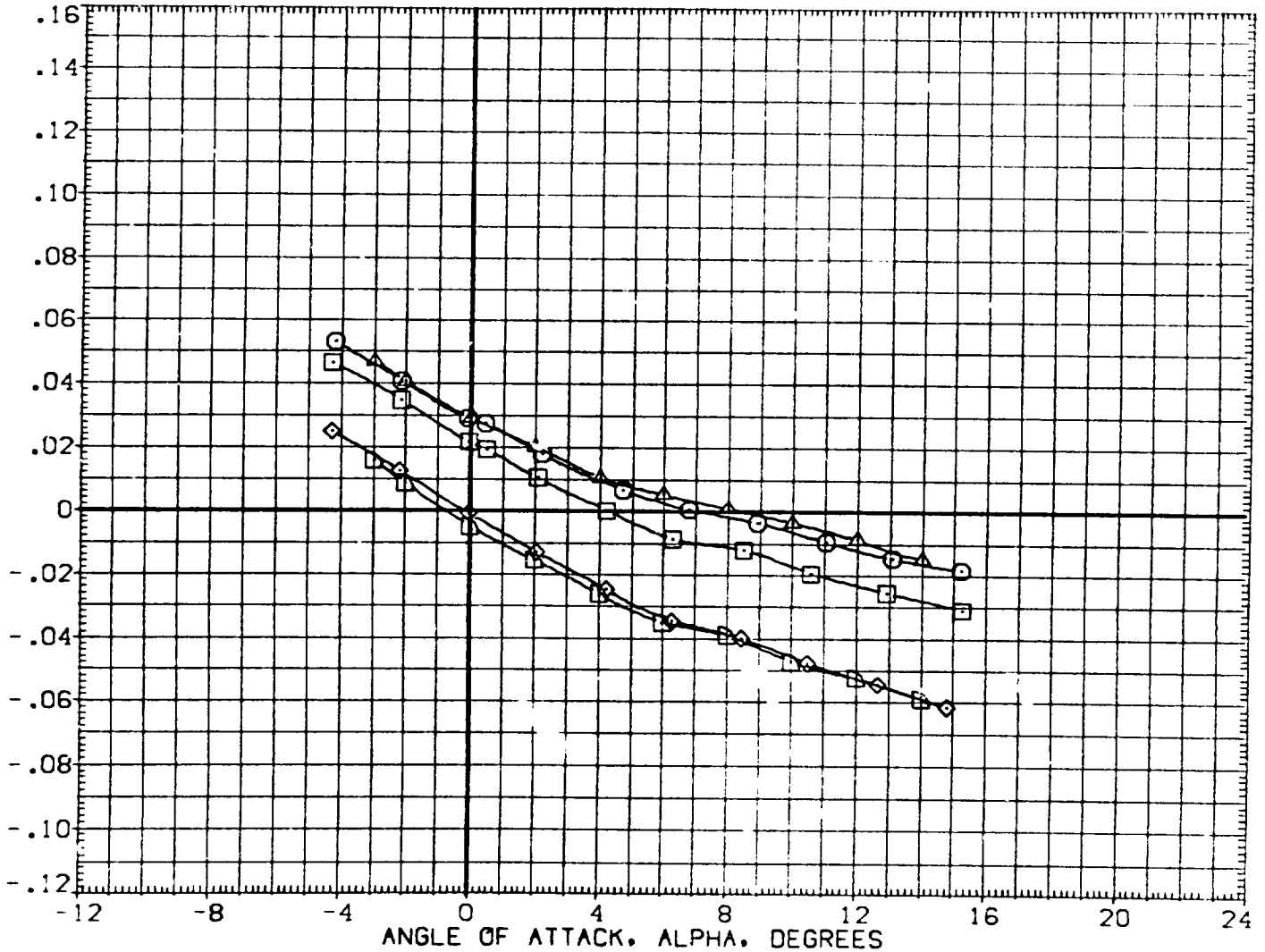


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	D	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

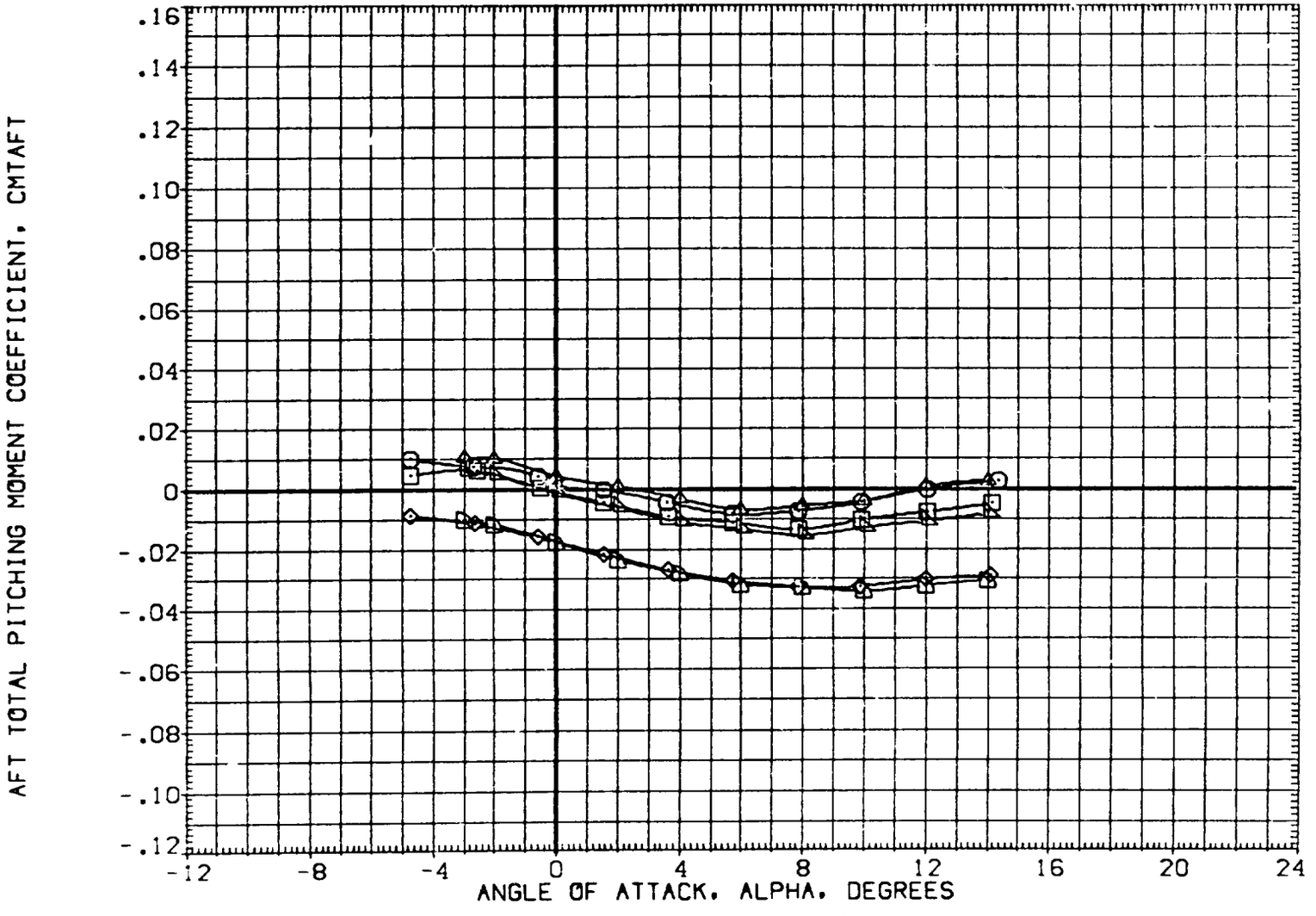


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

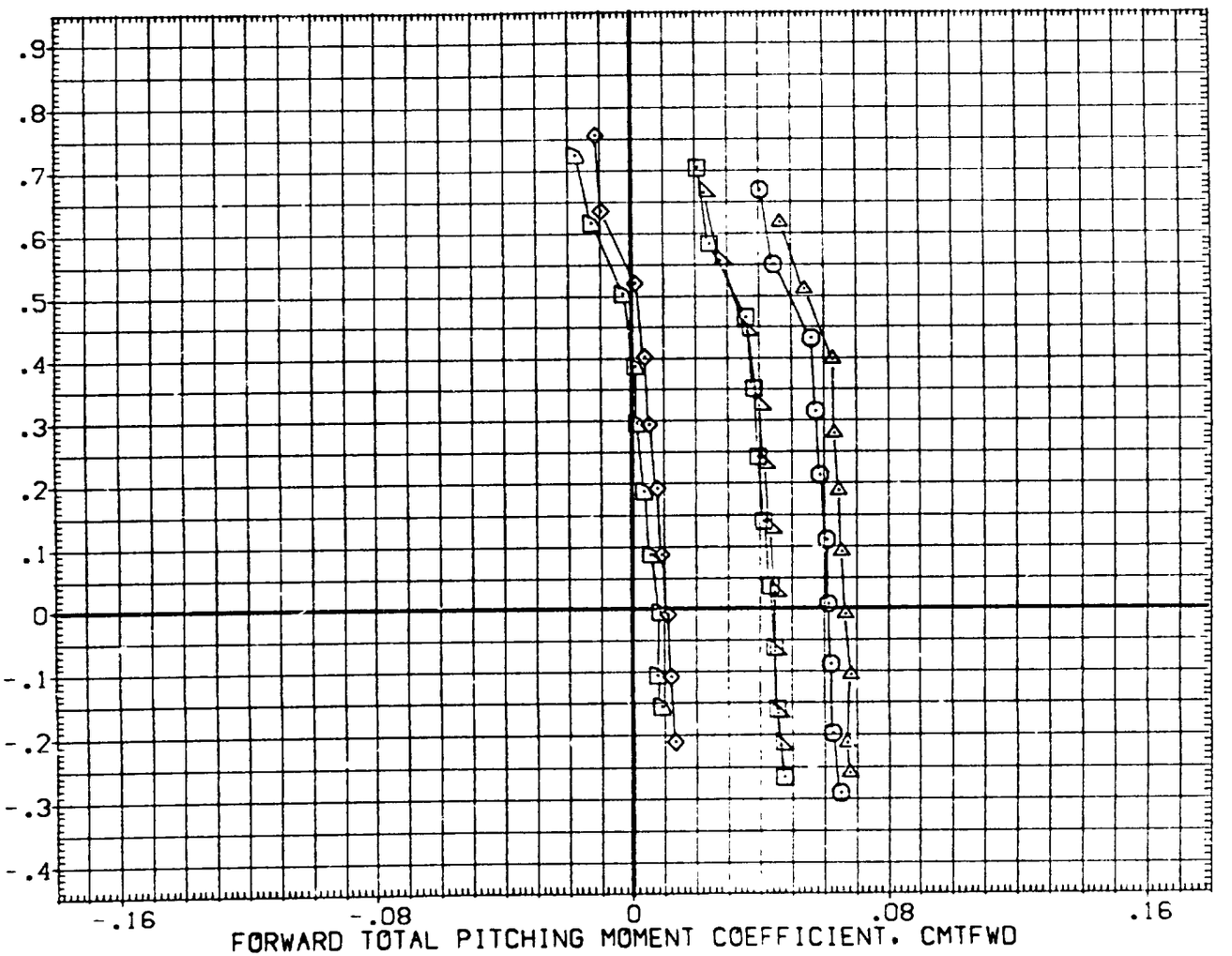


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

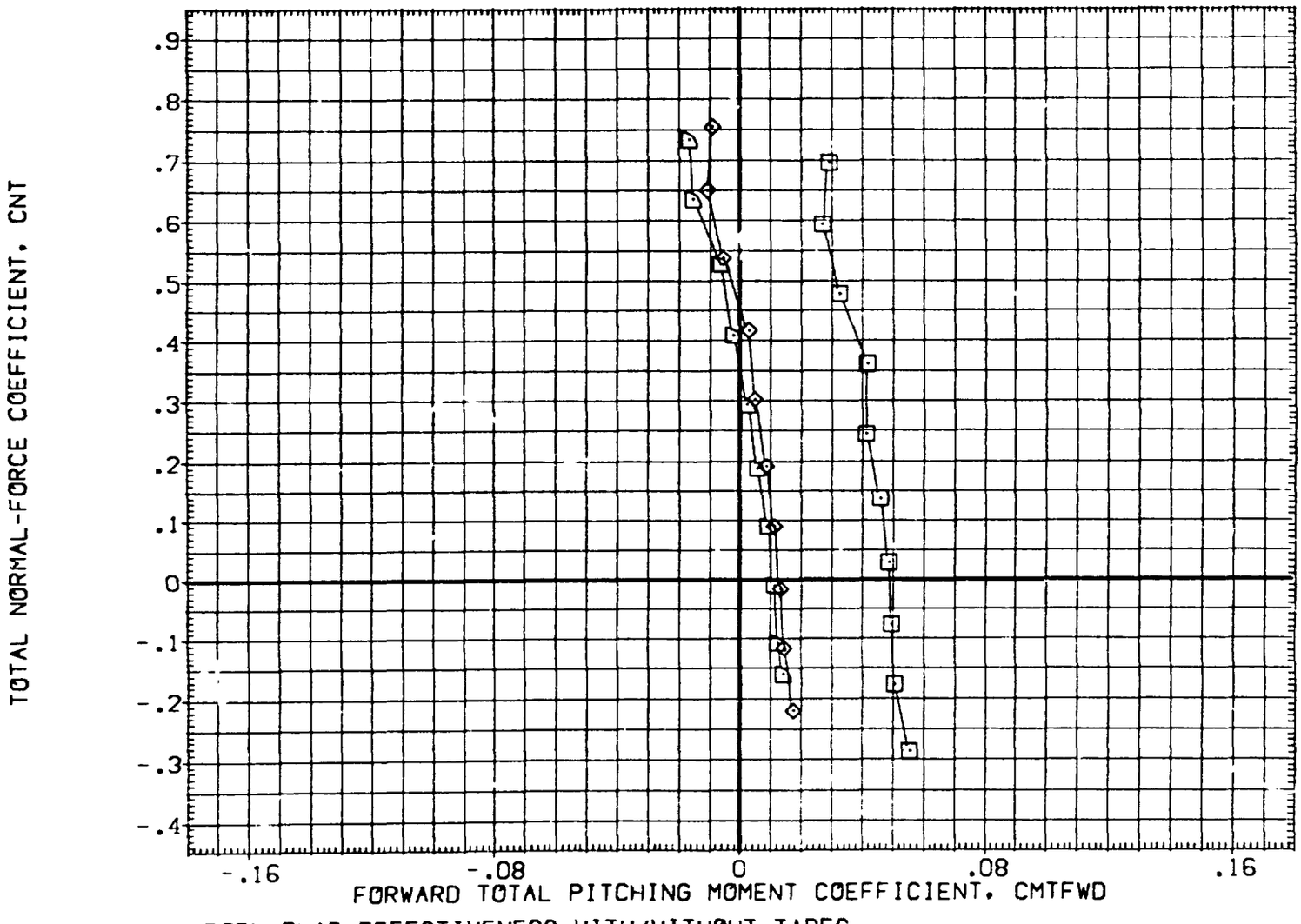


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

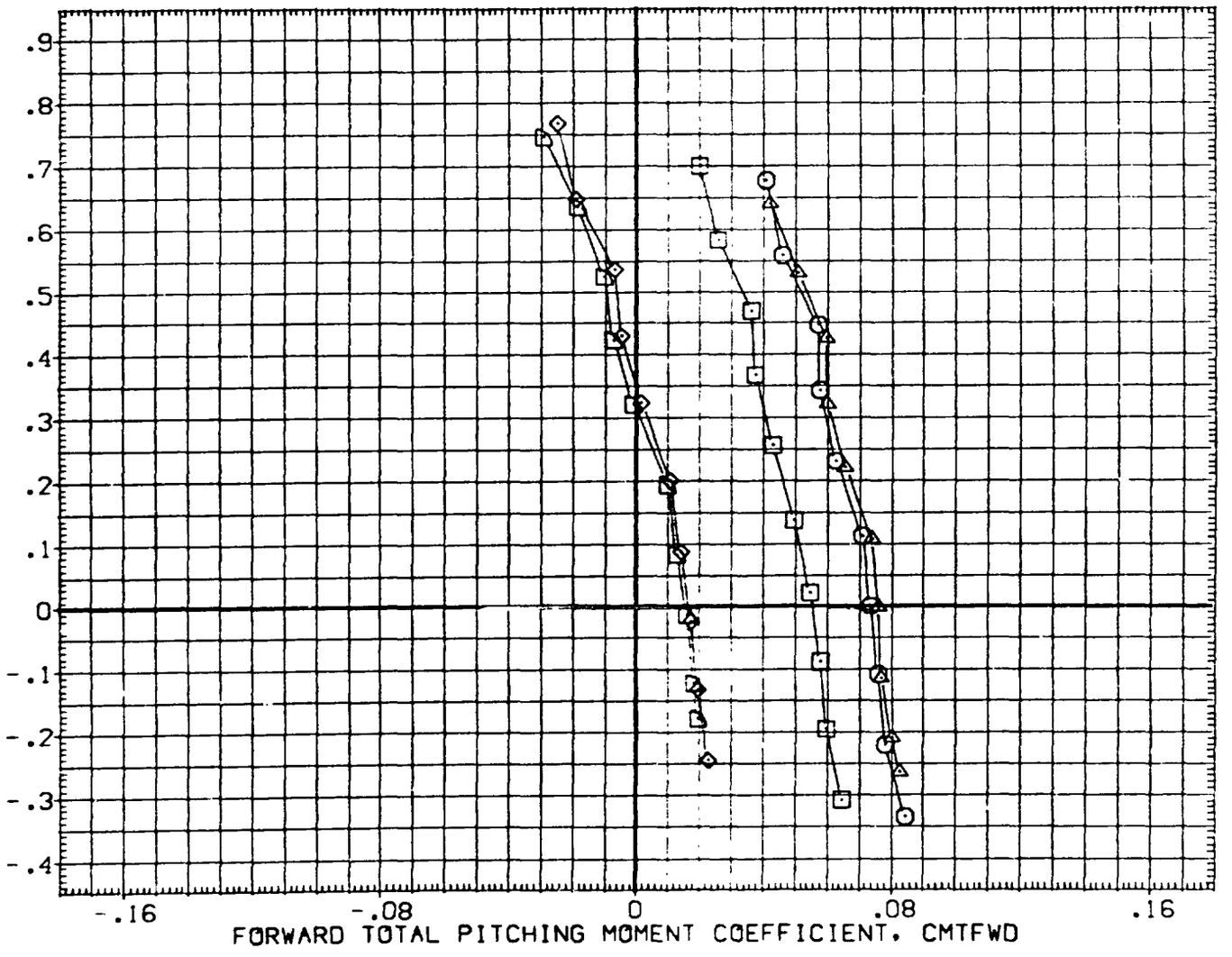


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A!1A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	D	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

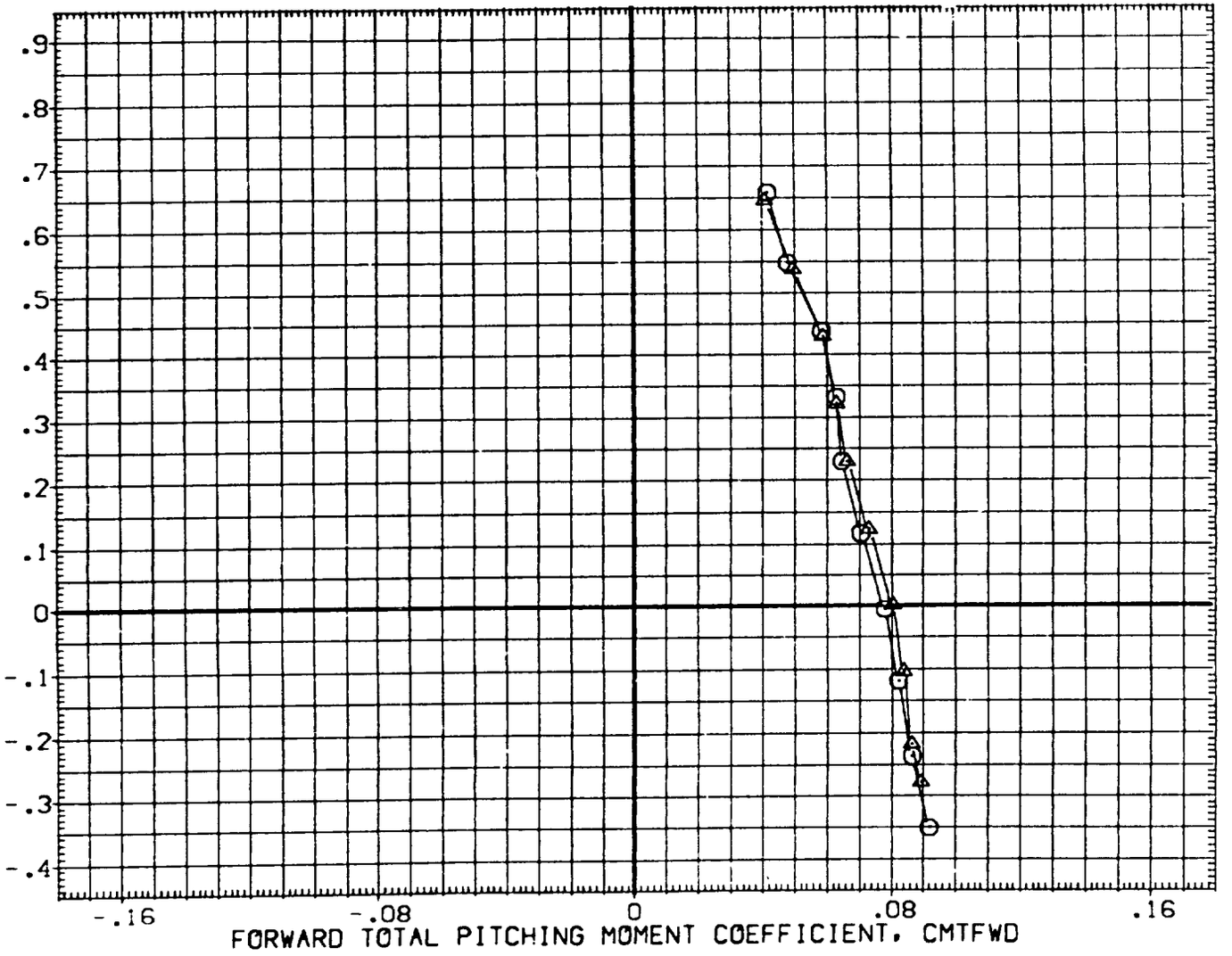


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO22)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GERO23)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ERO19)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO22)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ERO23)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

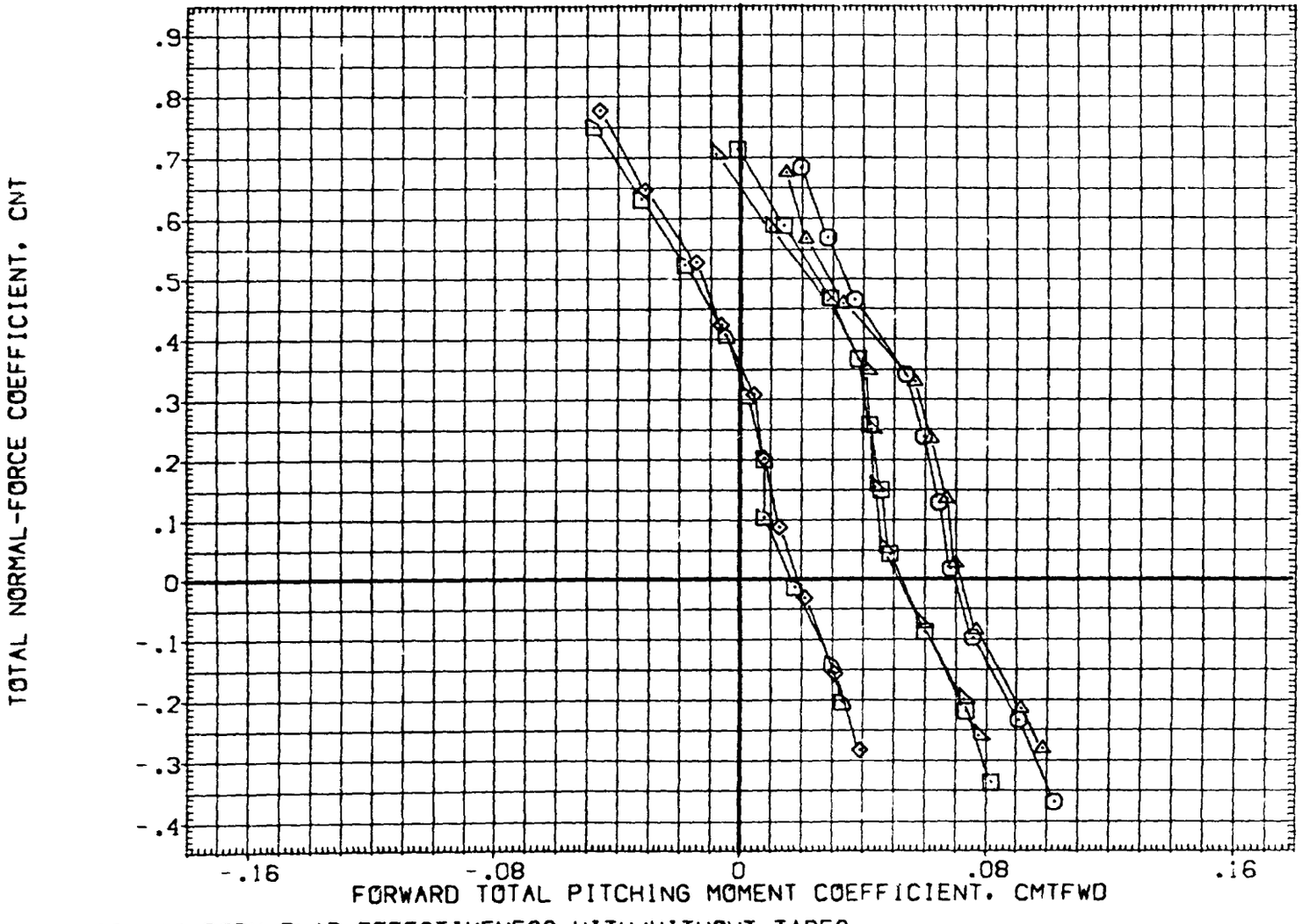


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	◁	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	△	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

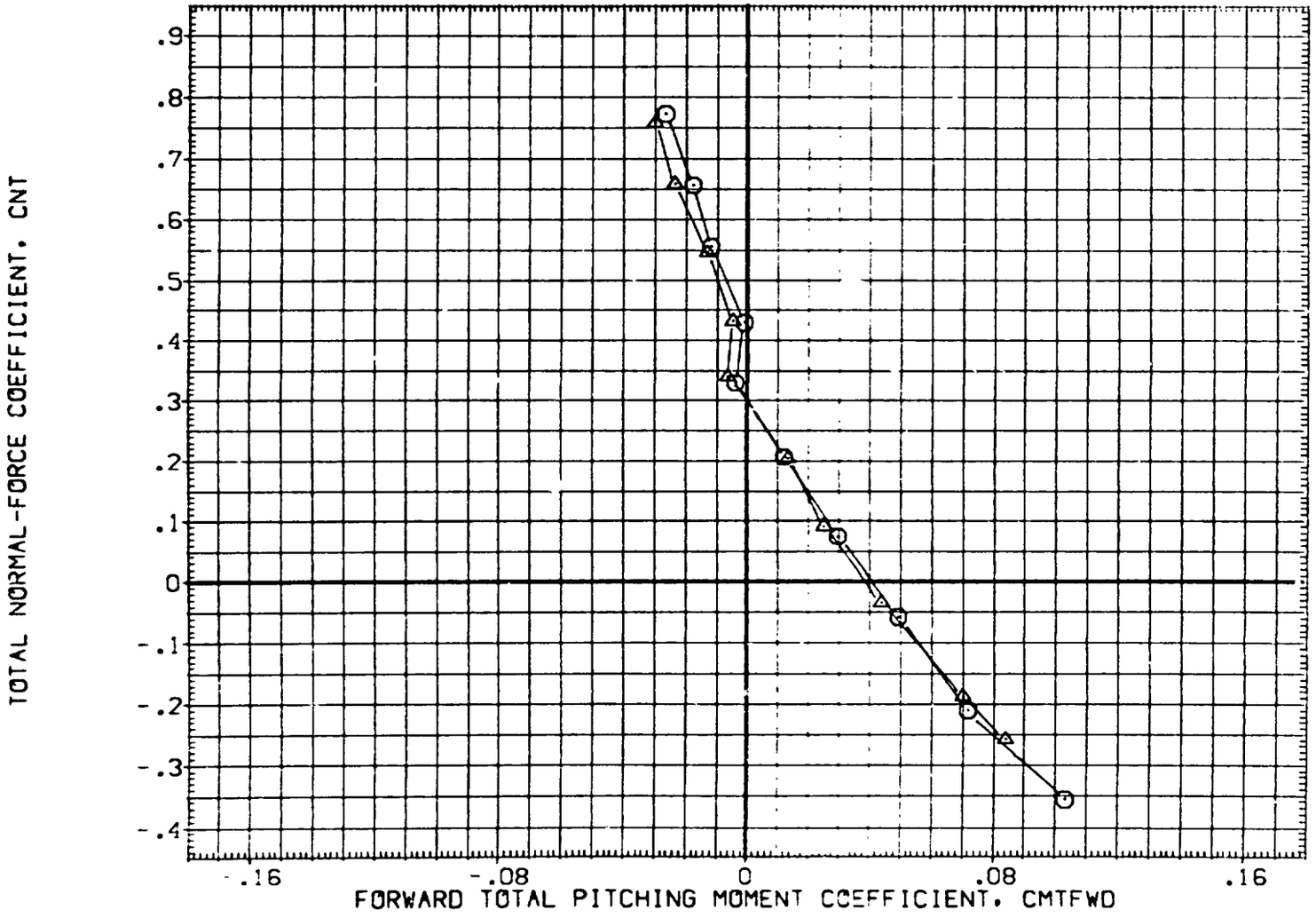


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

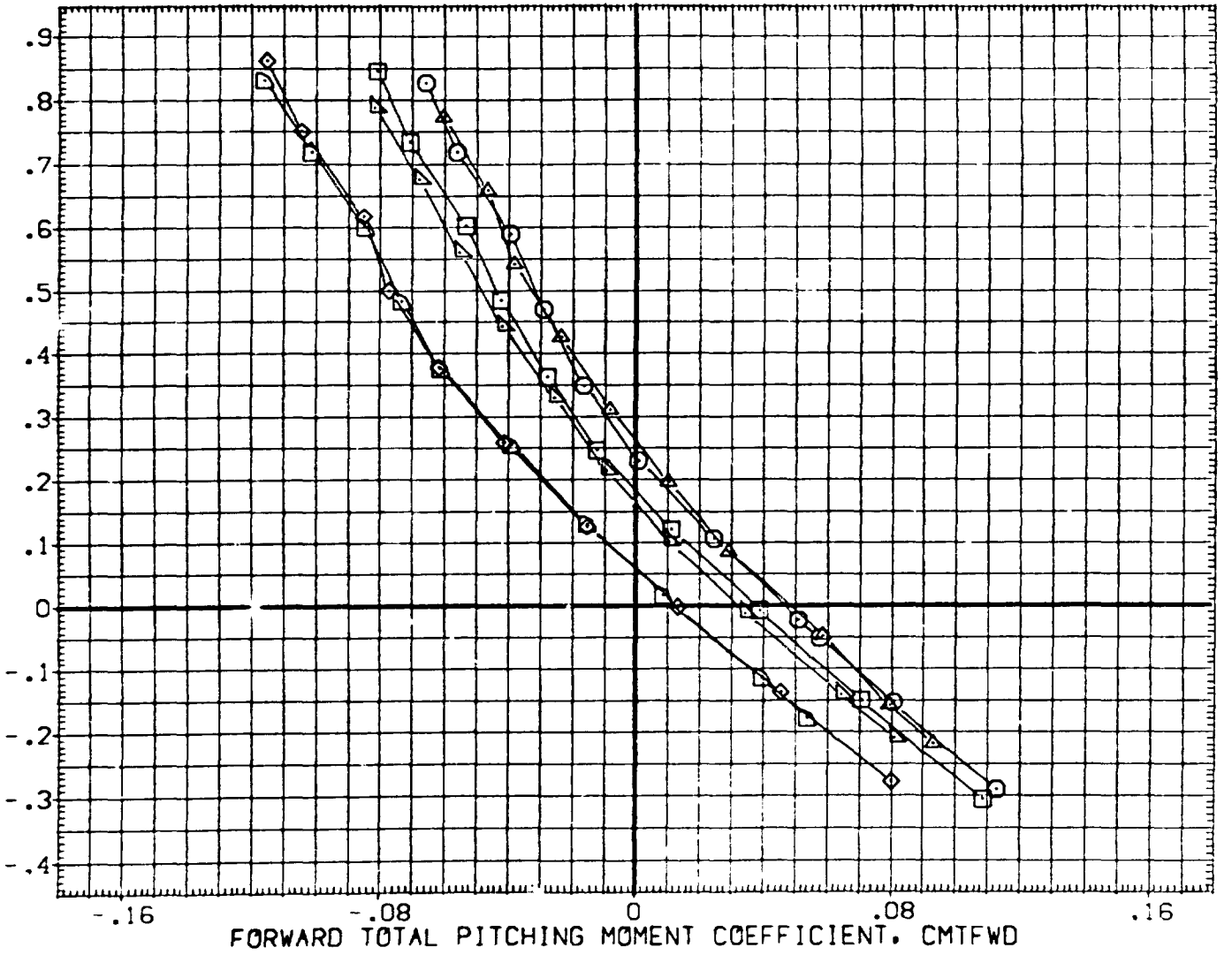


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH - 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	○	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

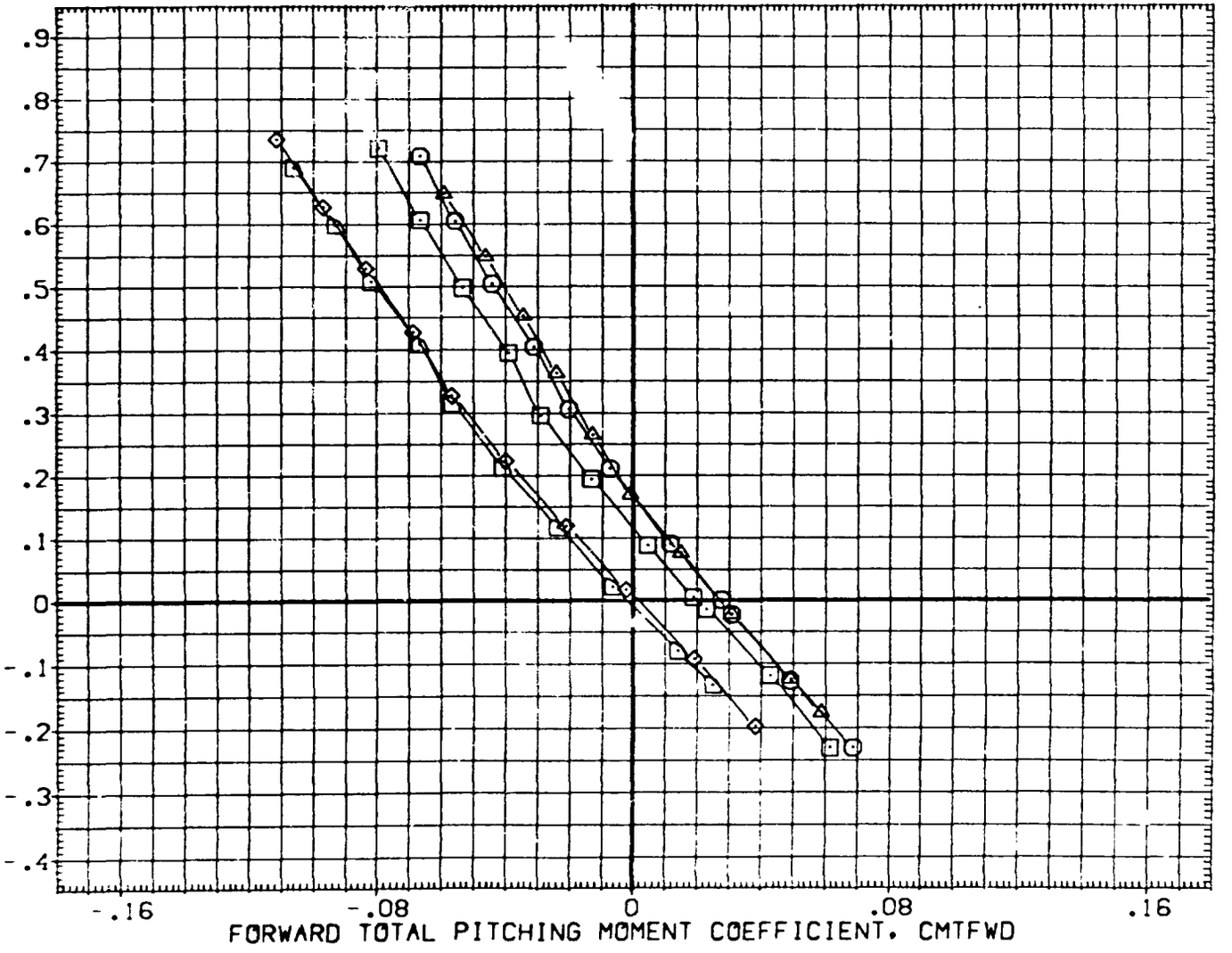


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

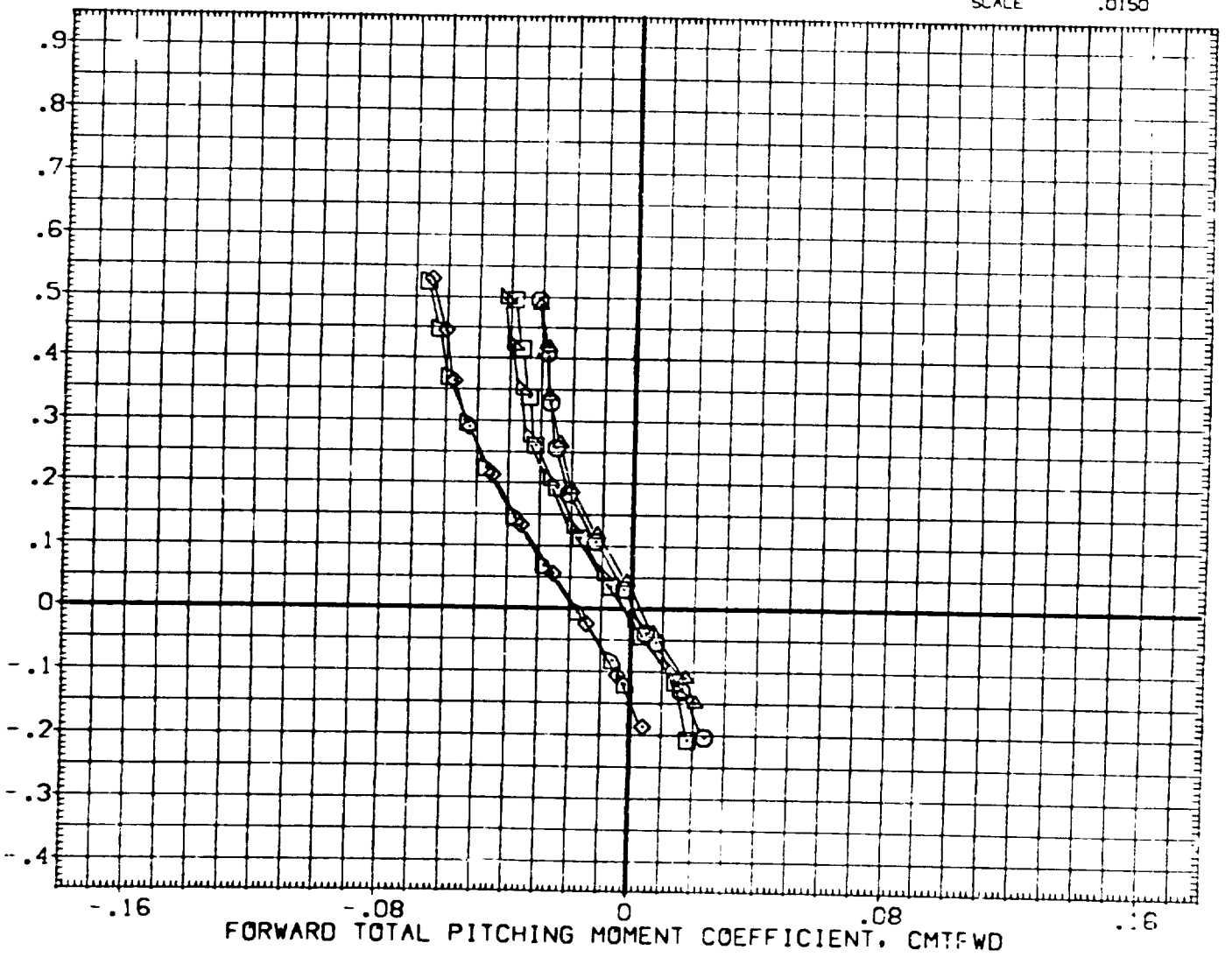


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

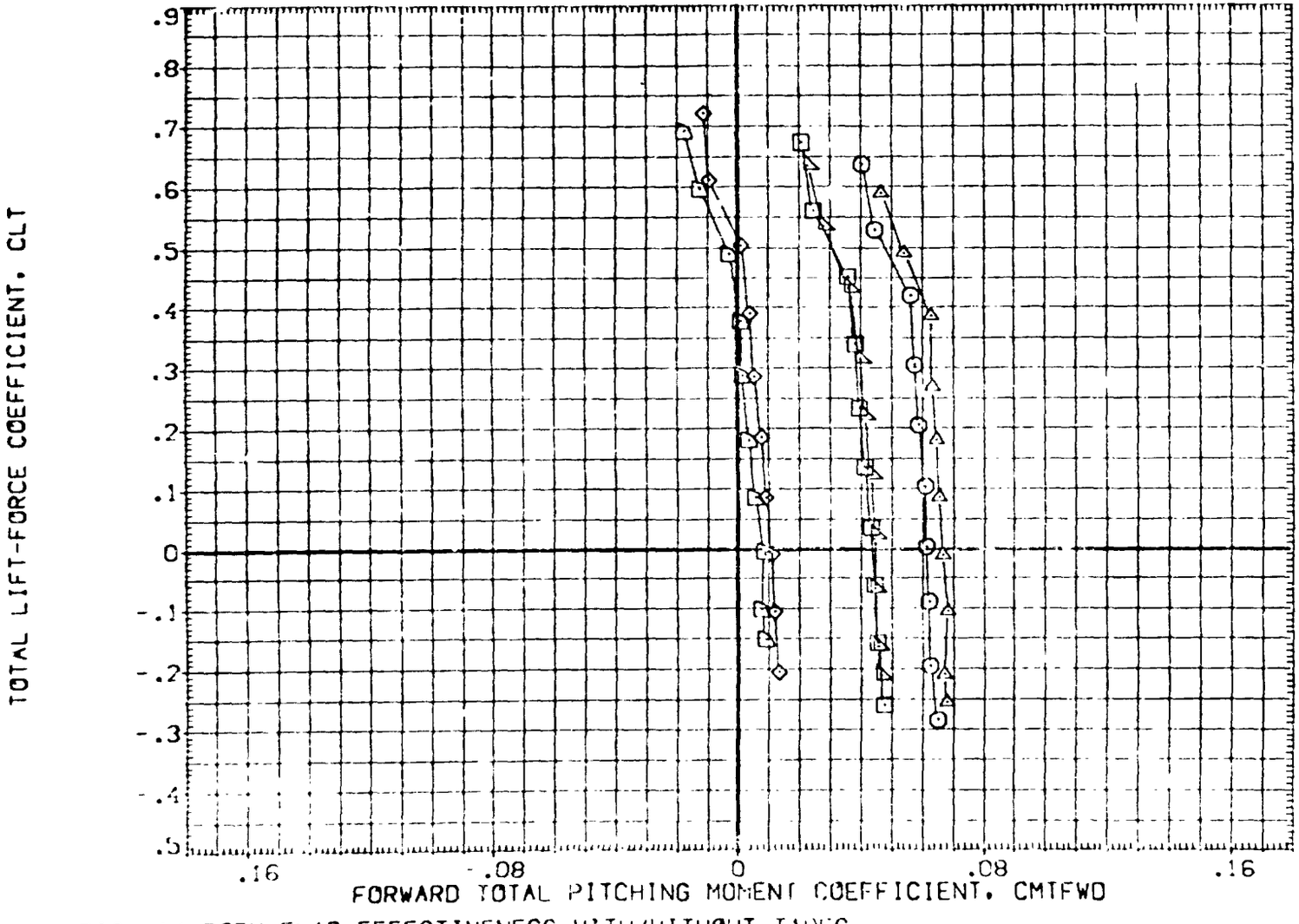


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MAC .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3KR019)		DATA NOT AVAILABLE	.000	.000	-11.700
(3KR022)		DATA NOT AVAILABLE	.000	.000	.000
(3KR023)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	.1710	FT.
XMRP	2.6266	IN.
YMRP	.0000	IN.
ZMRP	.3560	IN.
SCALE	.0150	

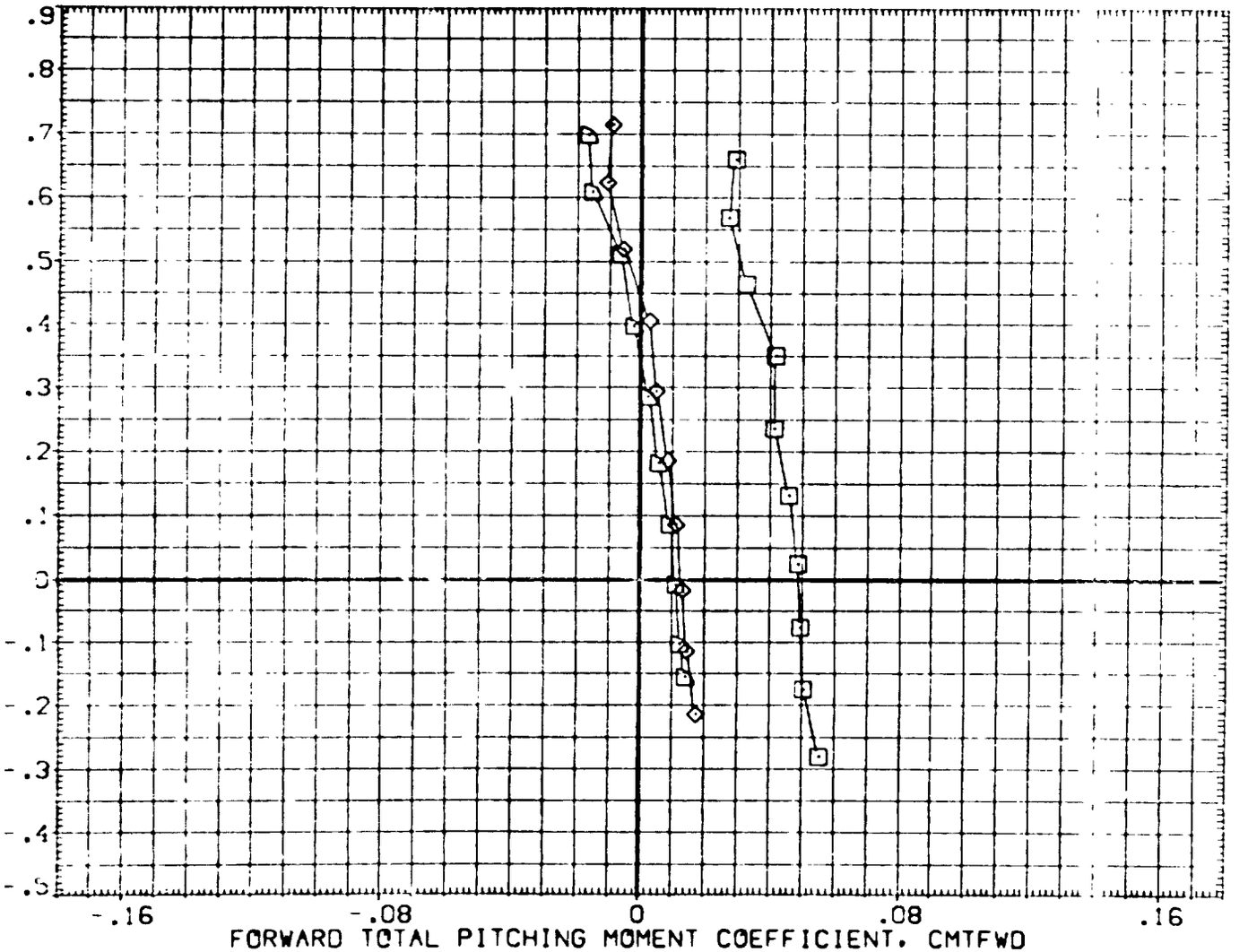


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(*R019)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(*R022)		DATA NOT AVAILABLE	.000	.000	.000
(*R023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

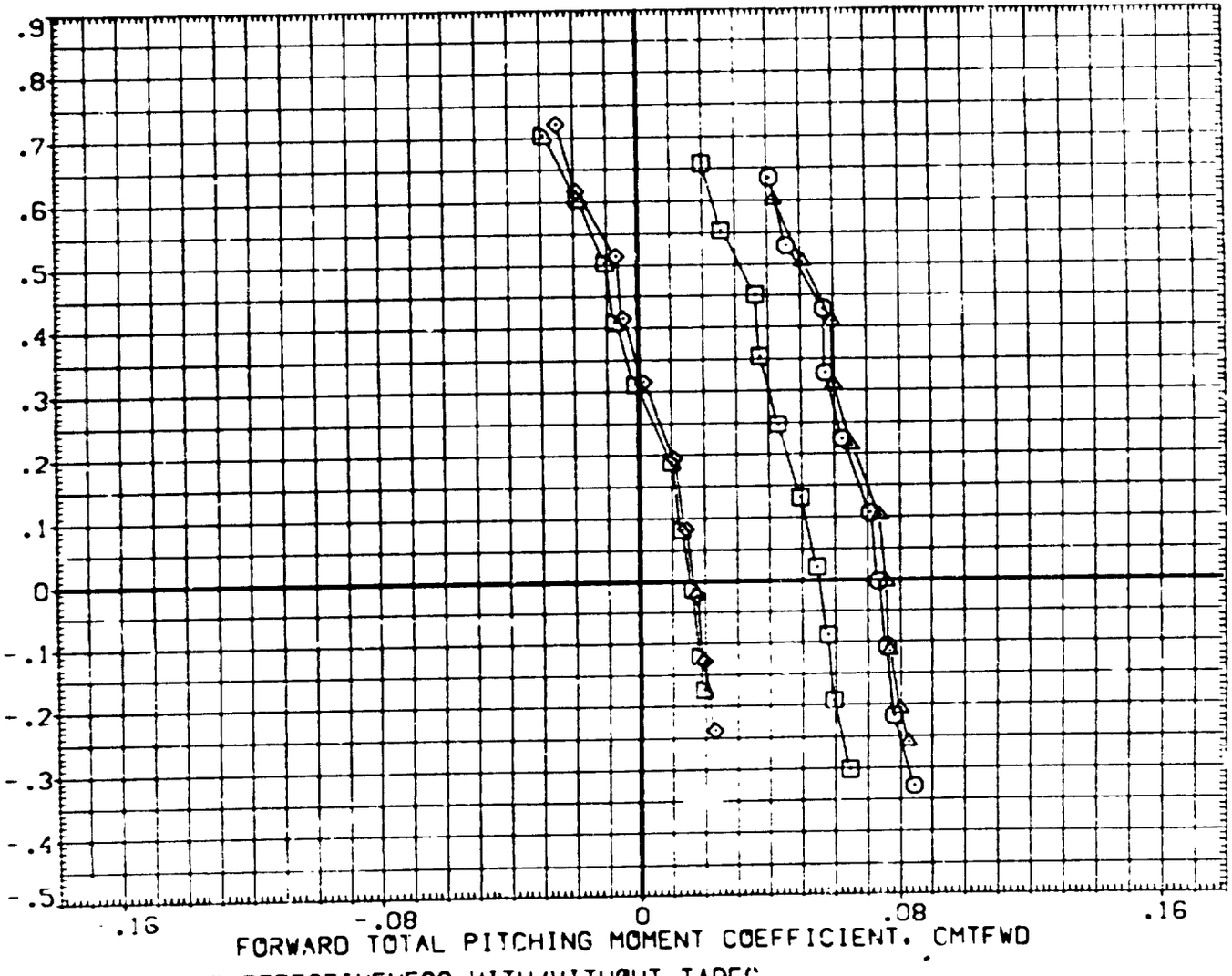


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH - .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	⊡	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

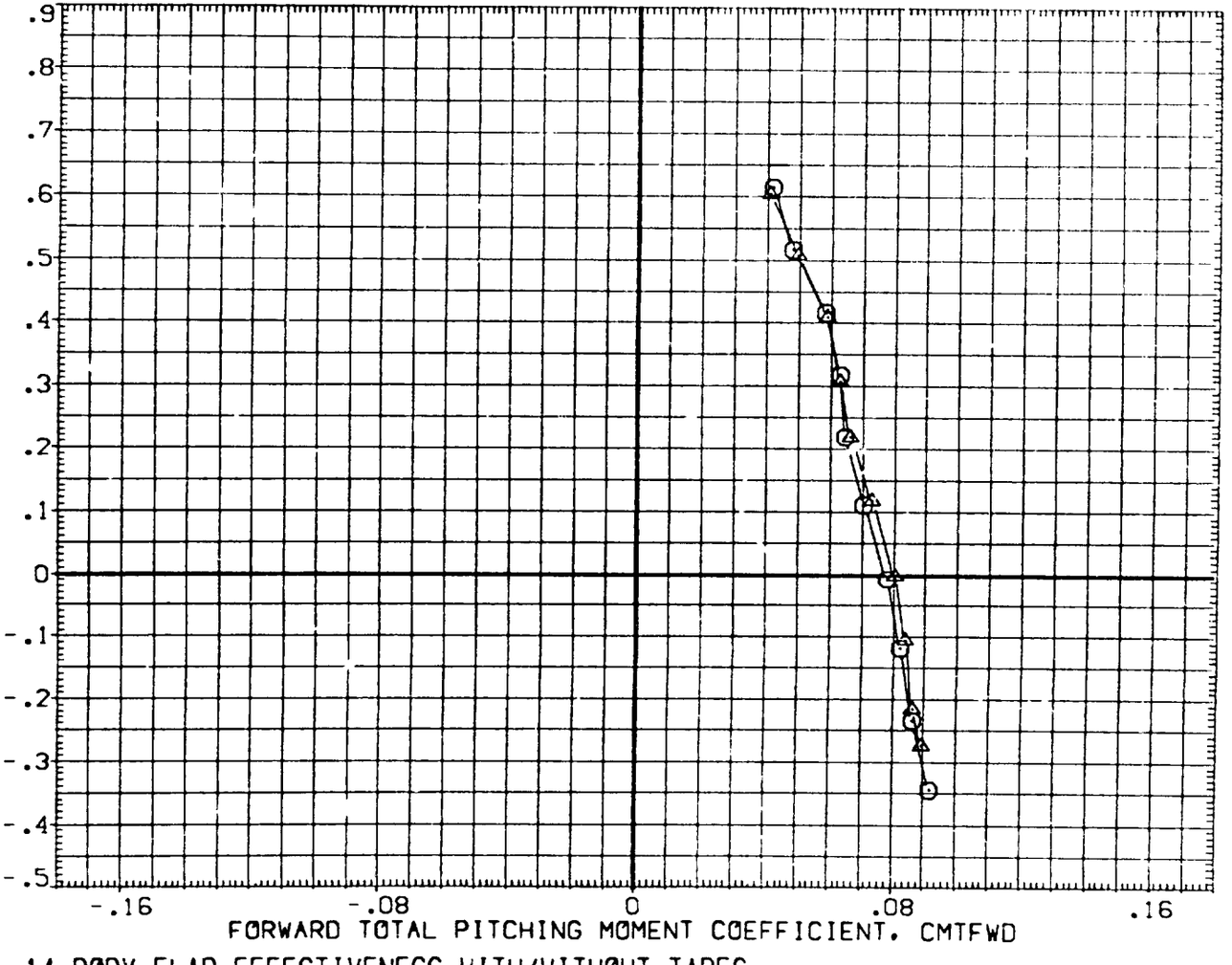


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	⊡	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

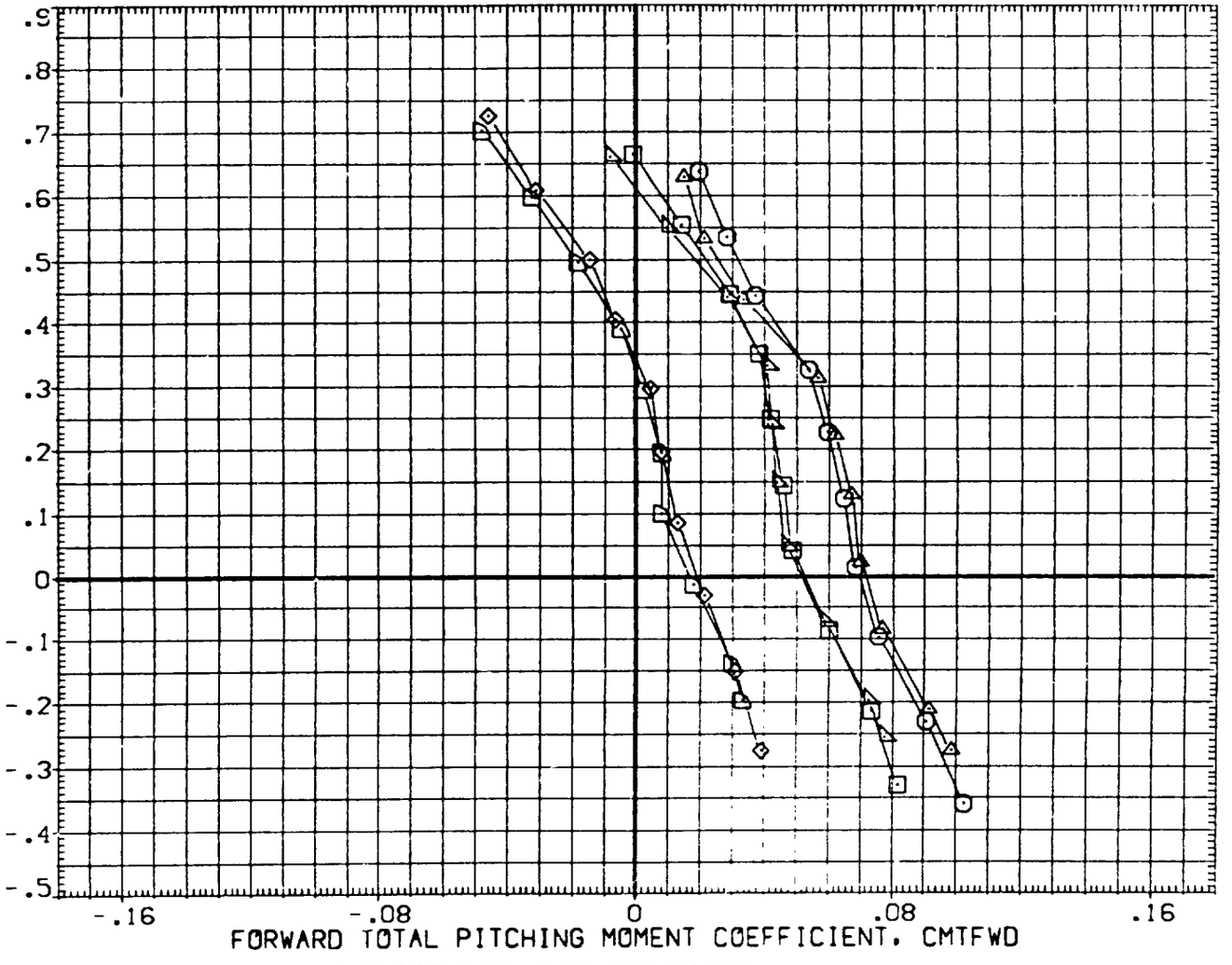


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARE)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

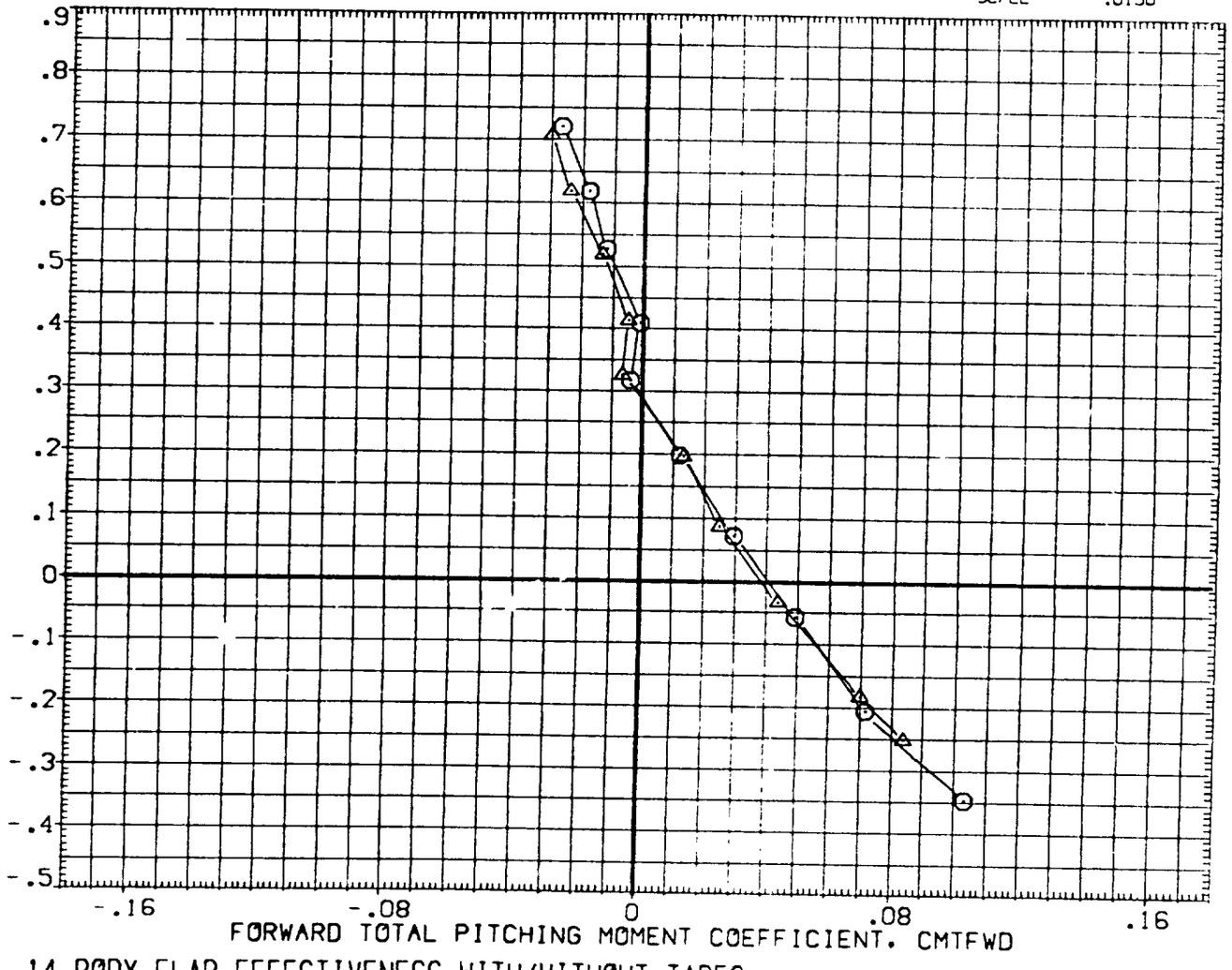


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

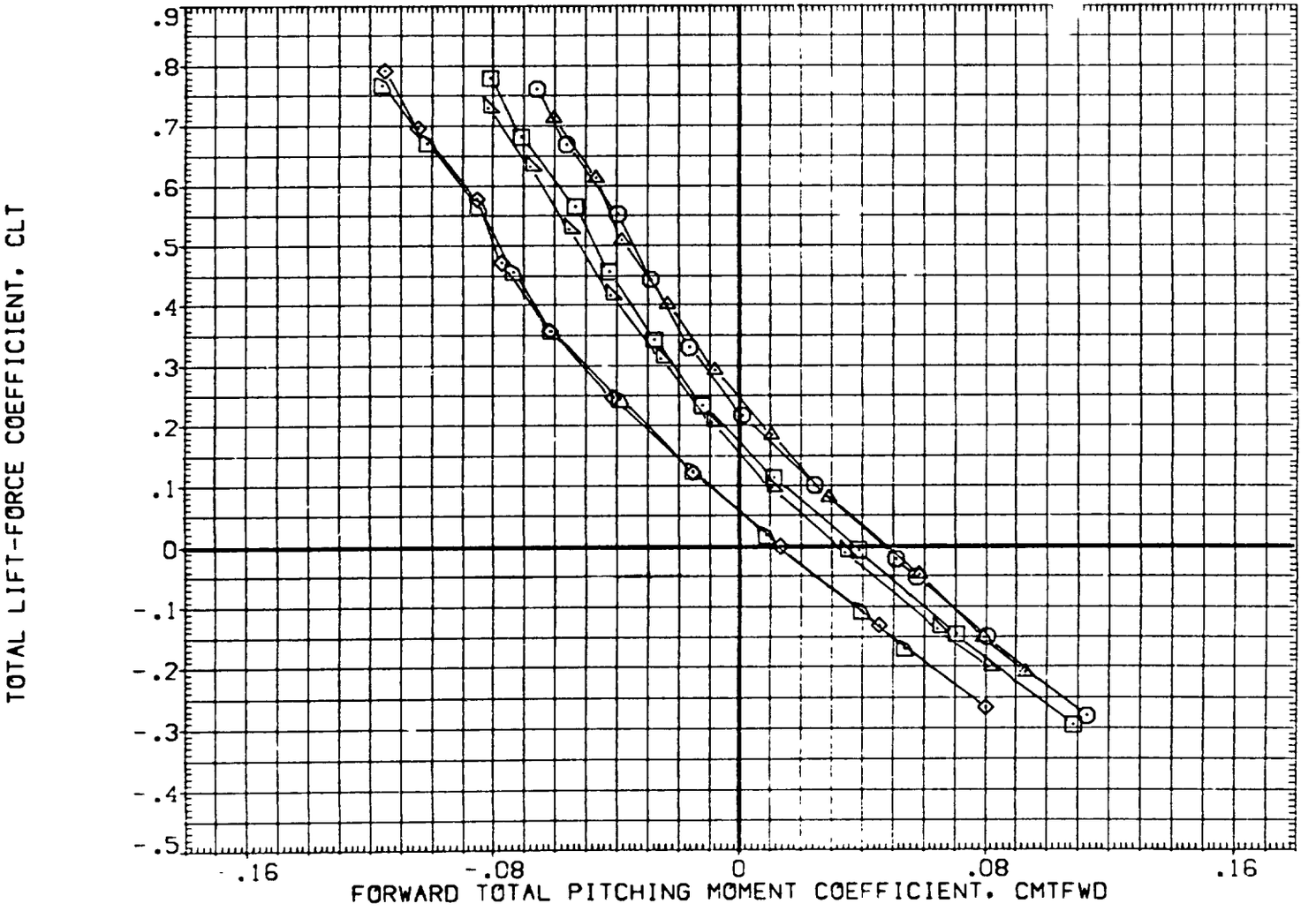


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	⋈	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

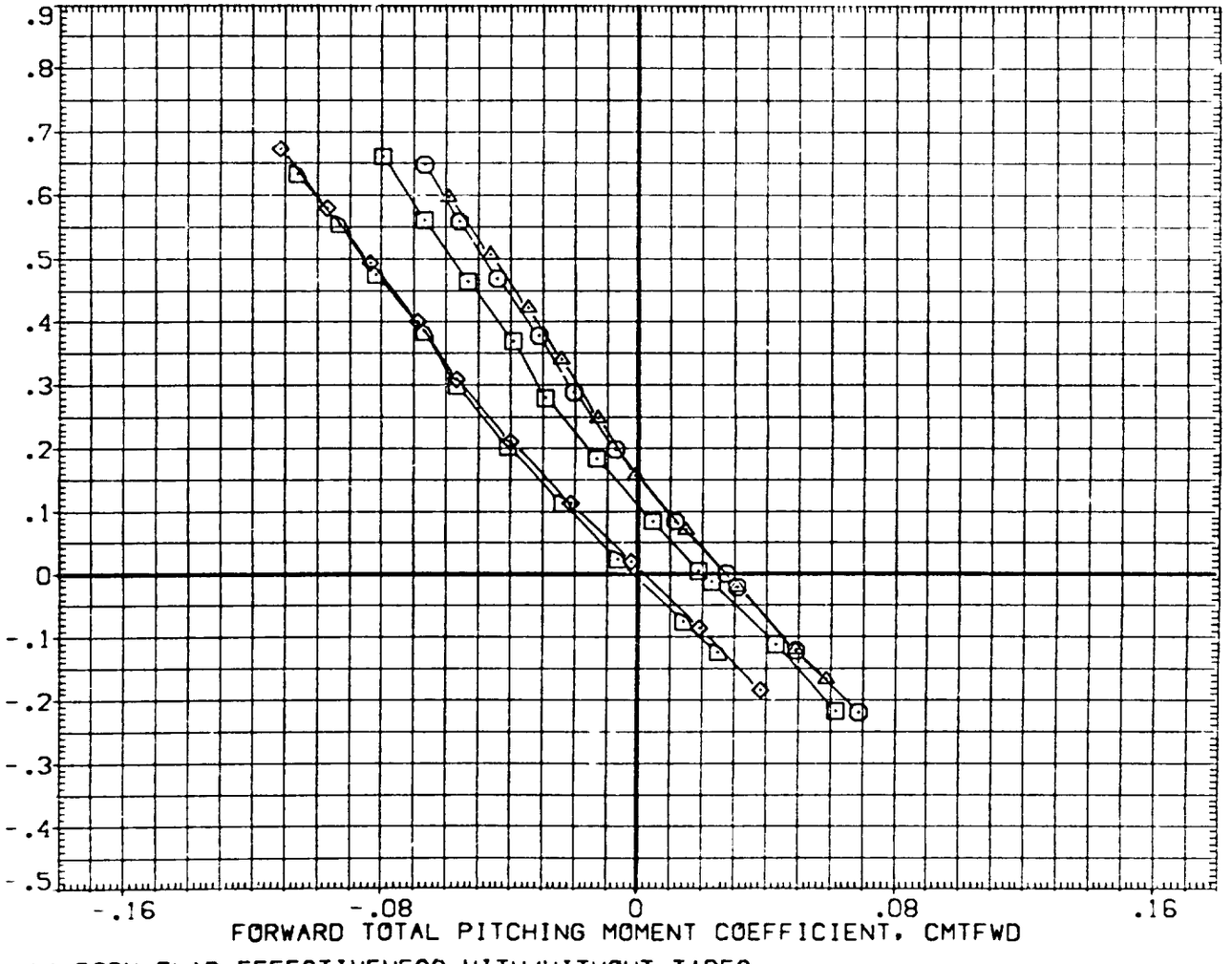


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

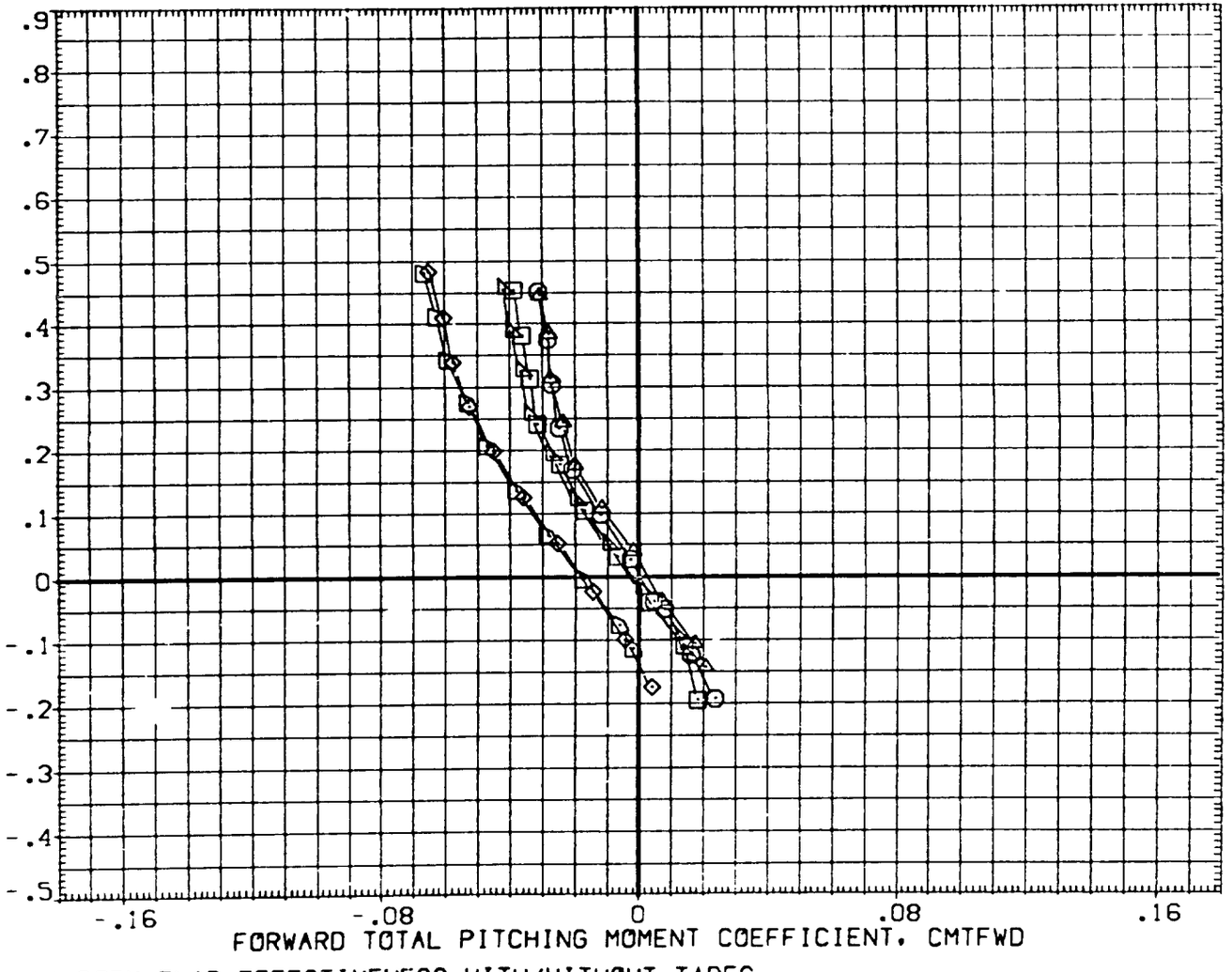


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GERO22)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ERO19)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO22)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ERO23)	⬠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	⌂	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◁	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

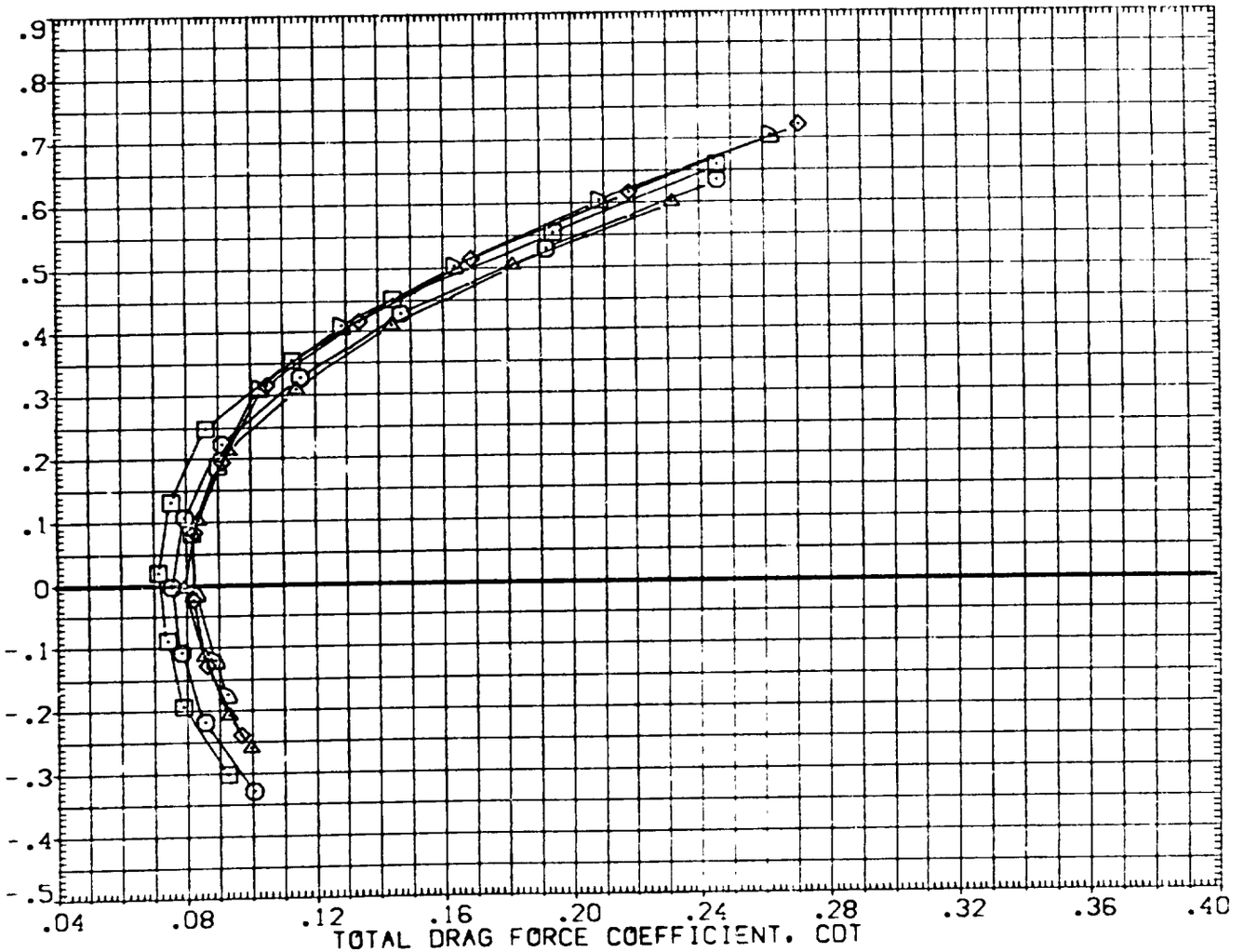


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	⌂	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

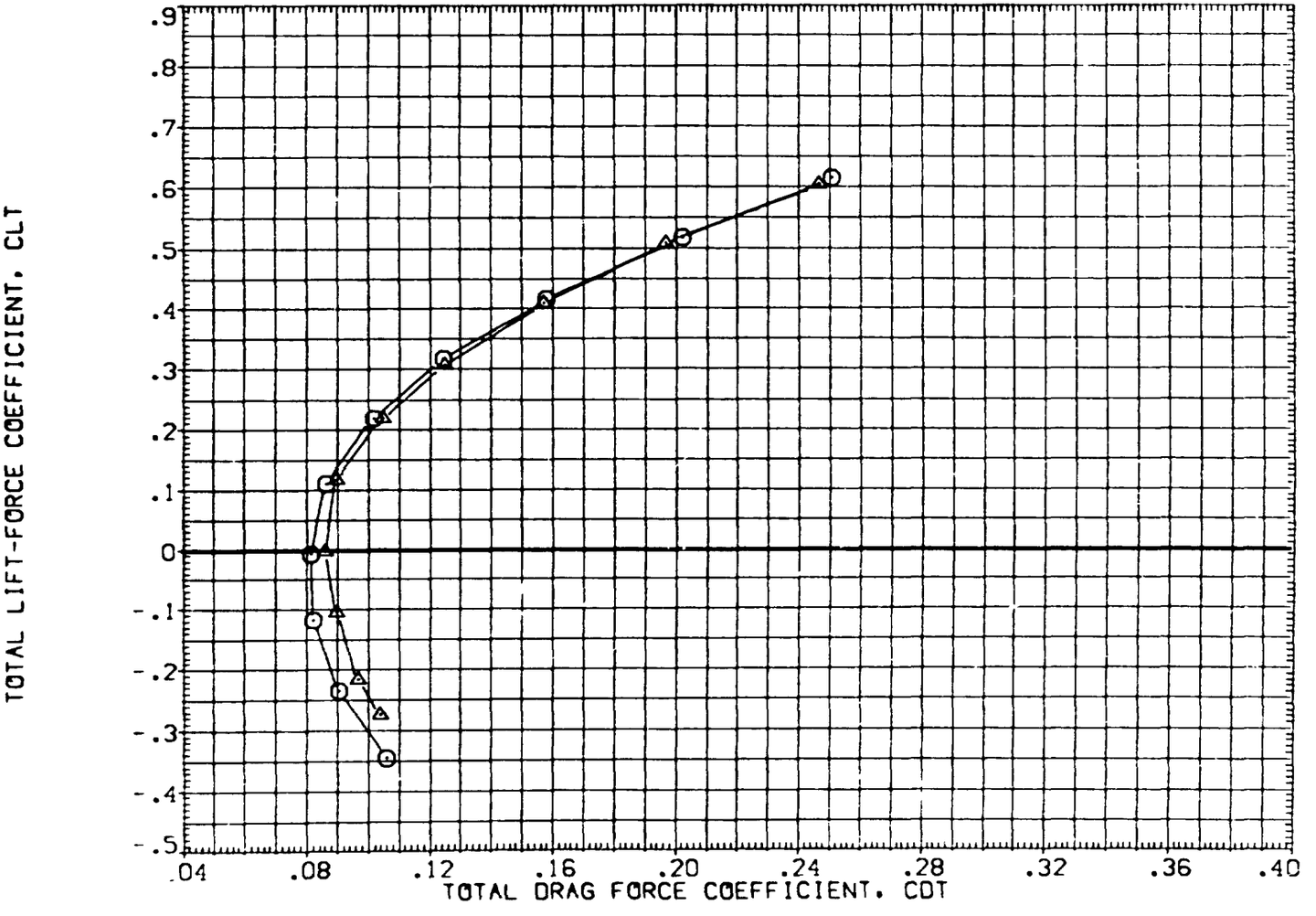


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

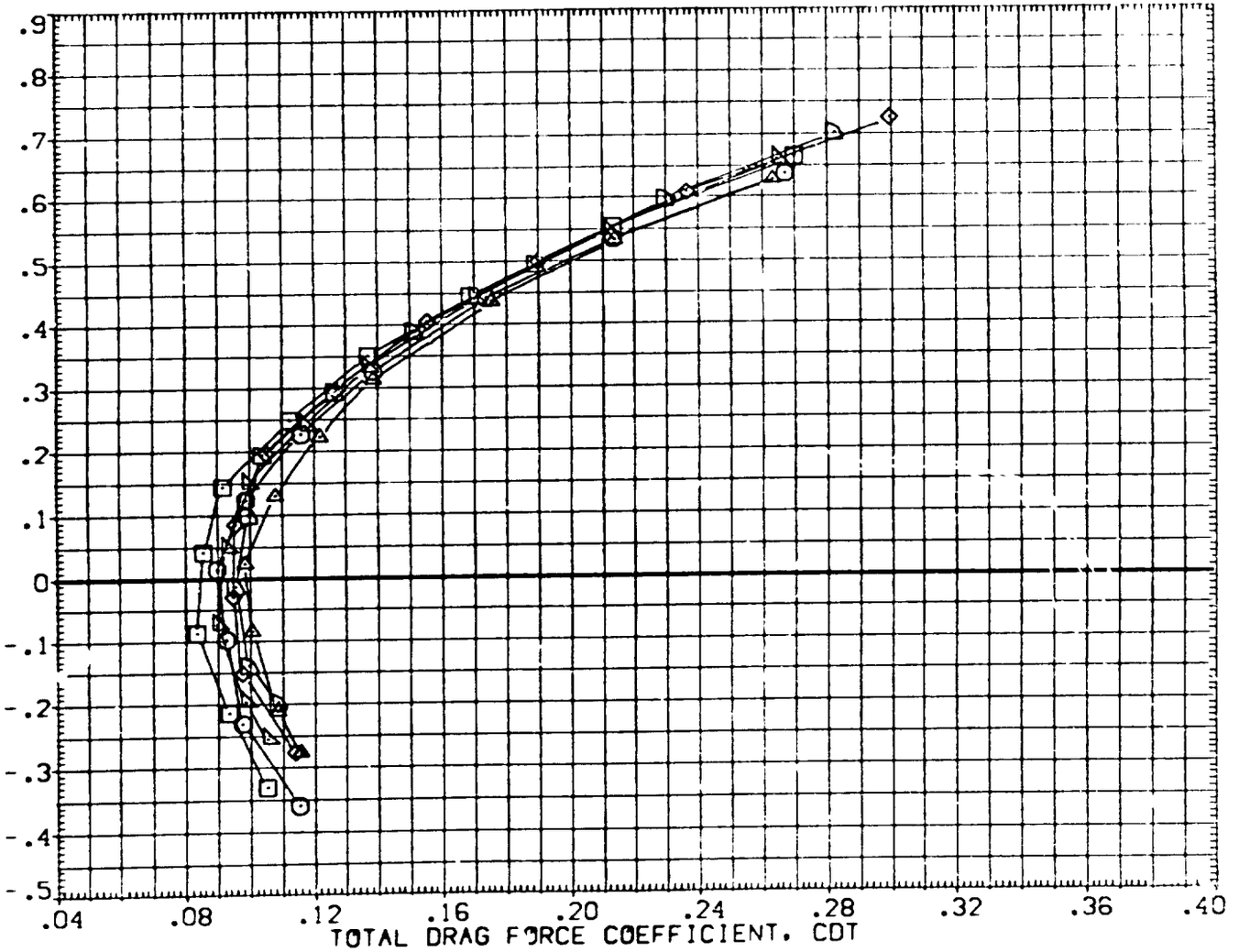


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	⋈	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◁	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

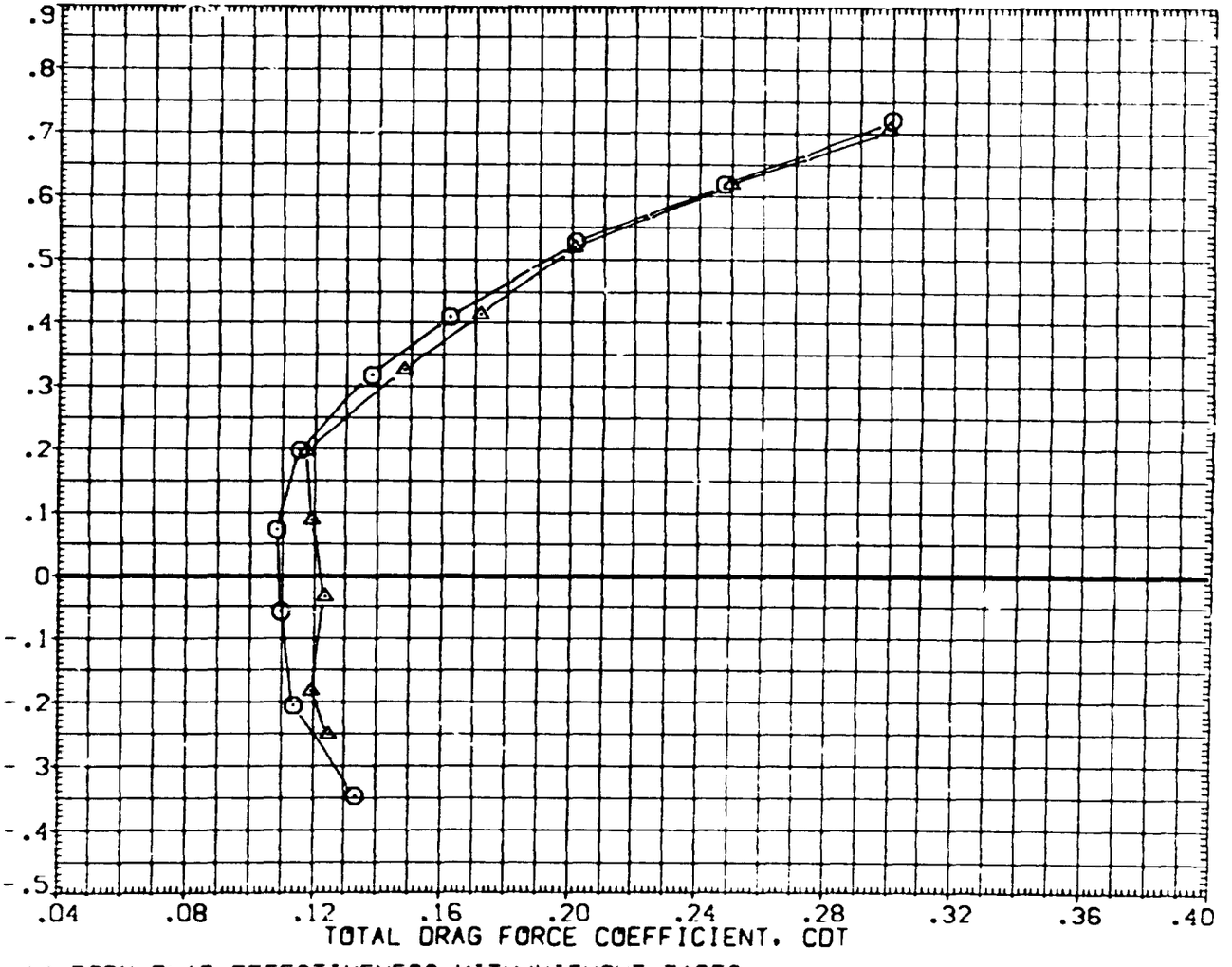


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-705 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

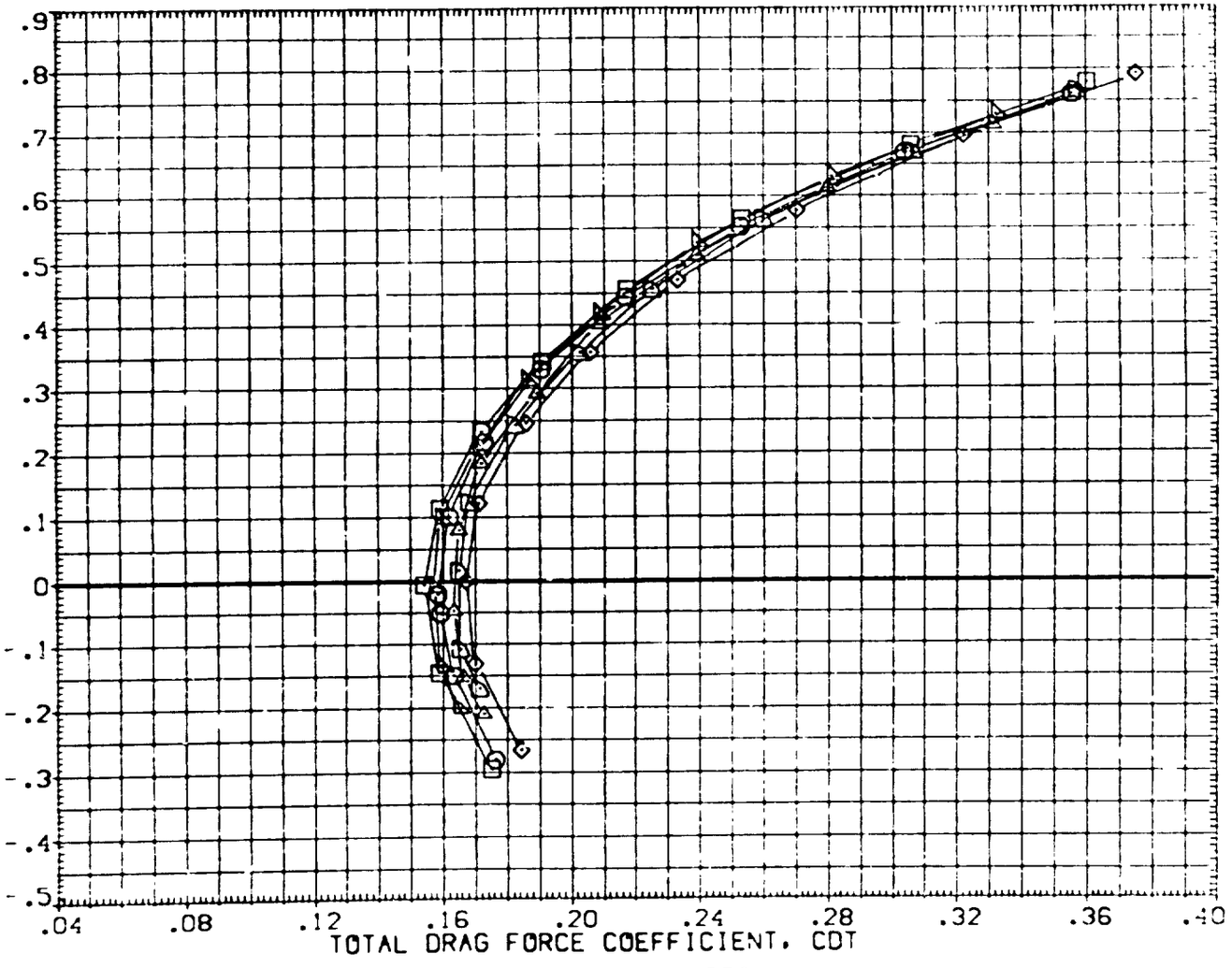


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

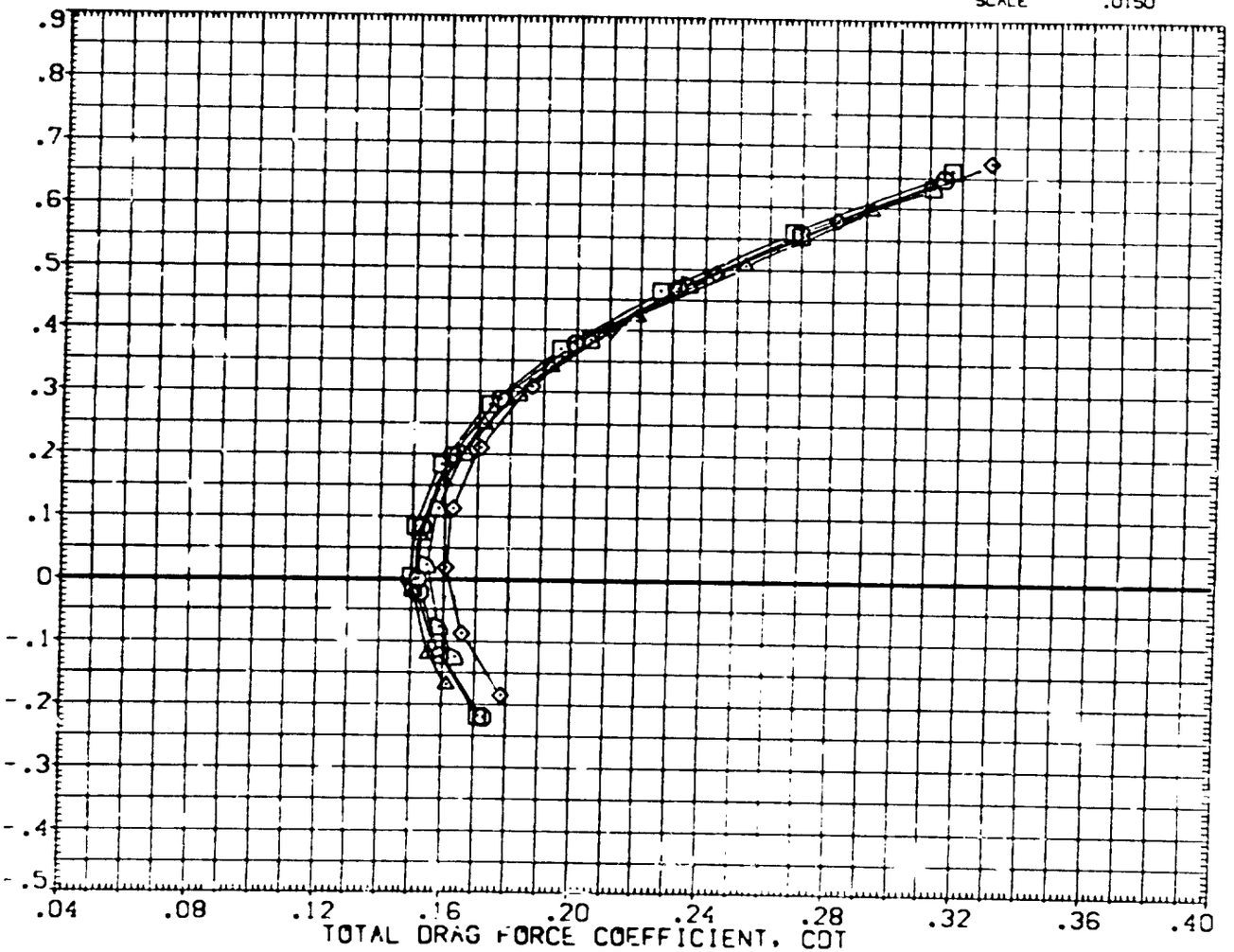


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MAC = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

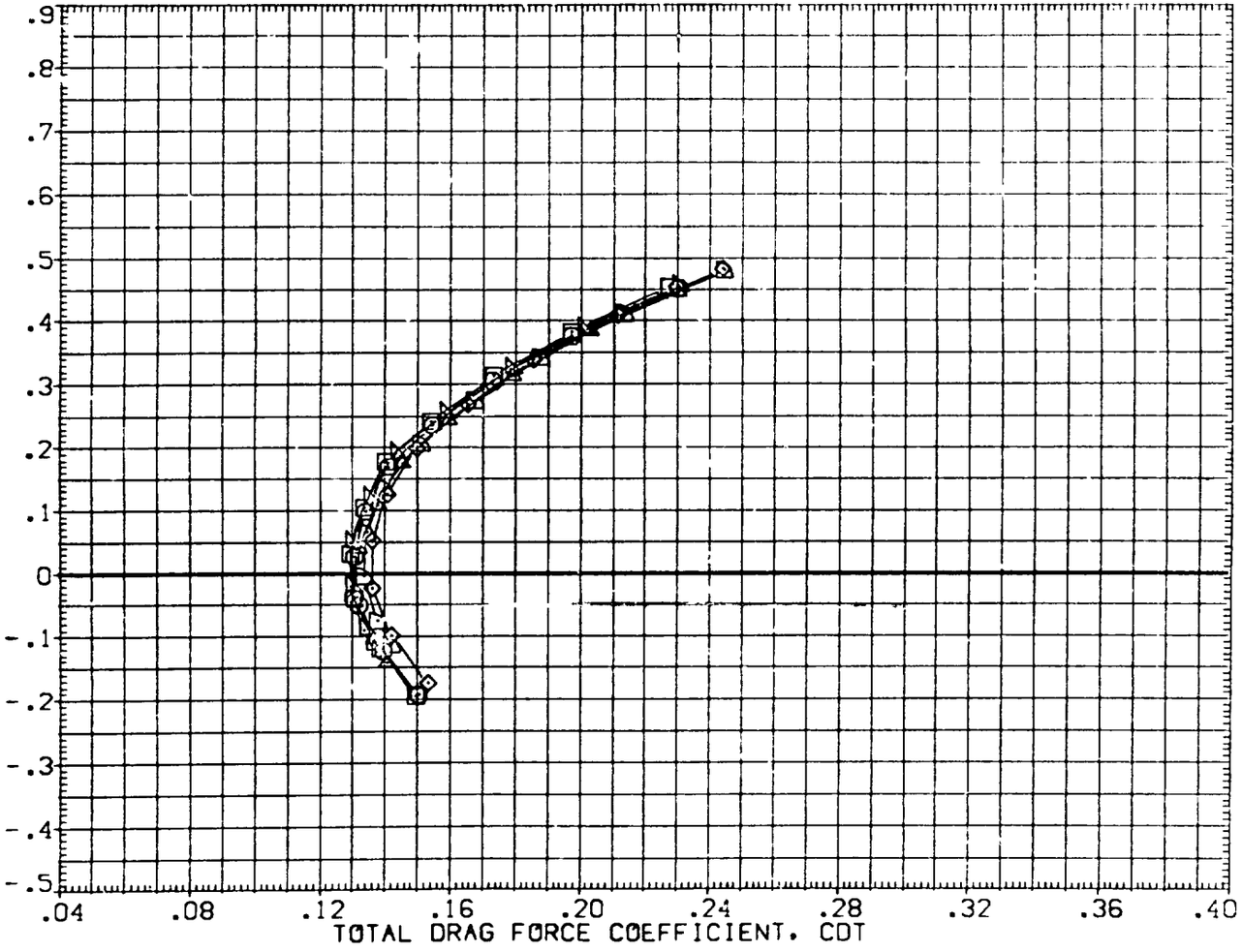


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ERC19)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERC22)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ERO23)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

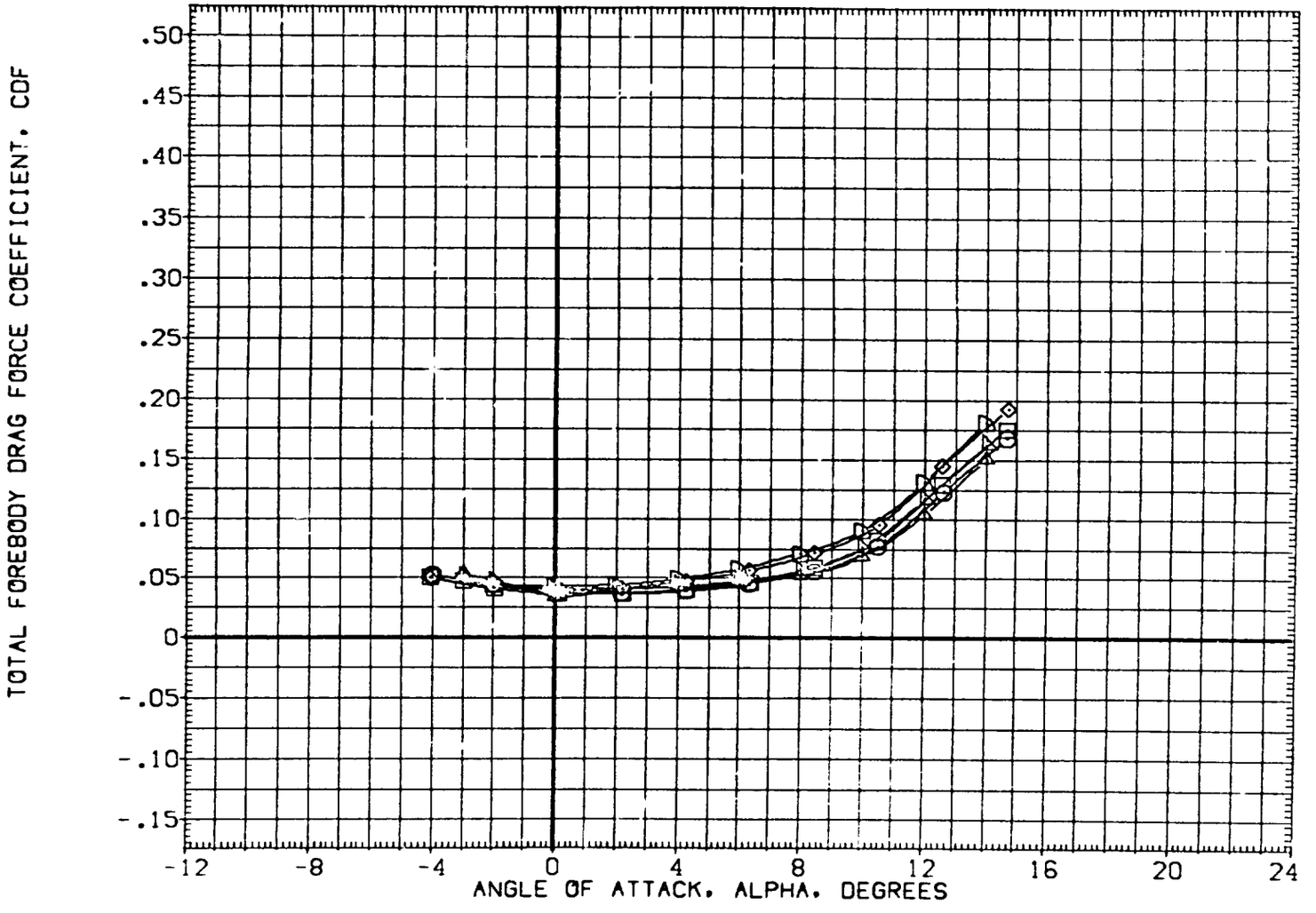


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
PREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

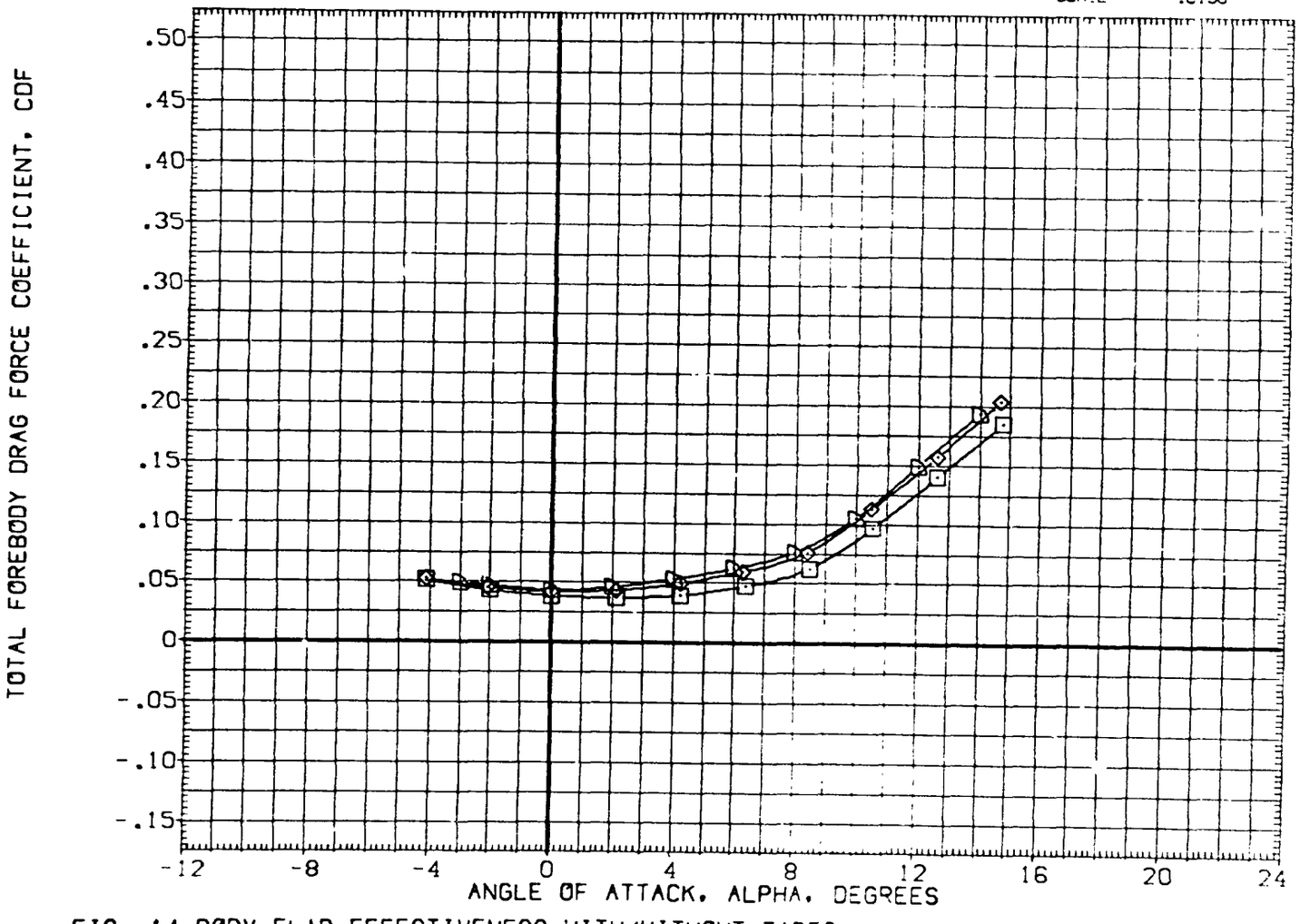


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
DREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

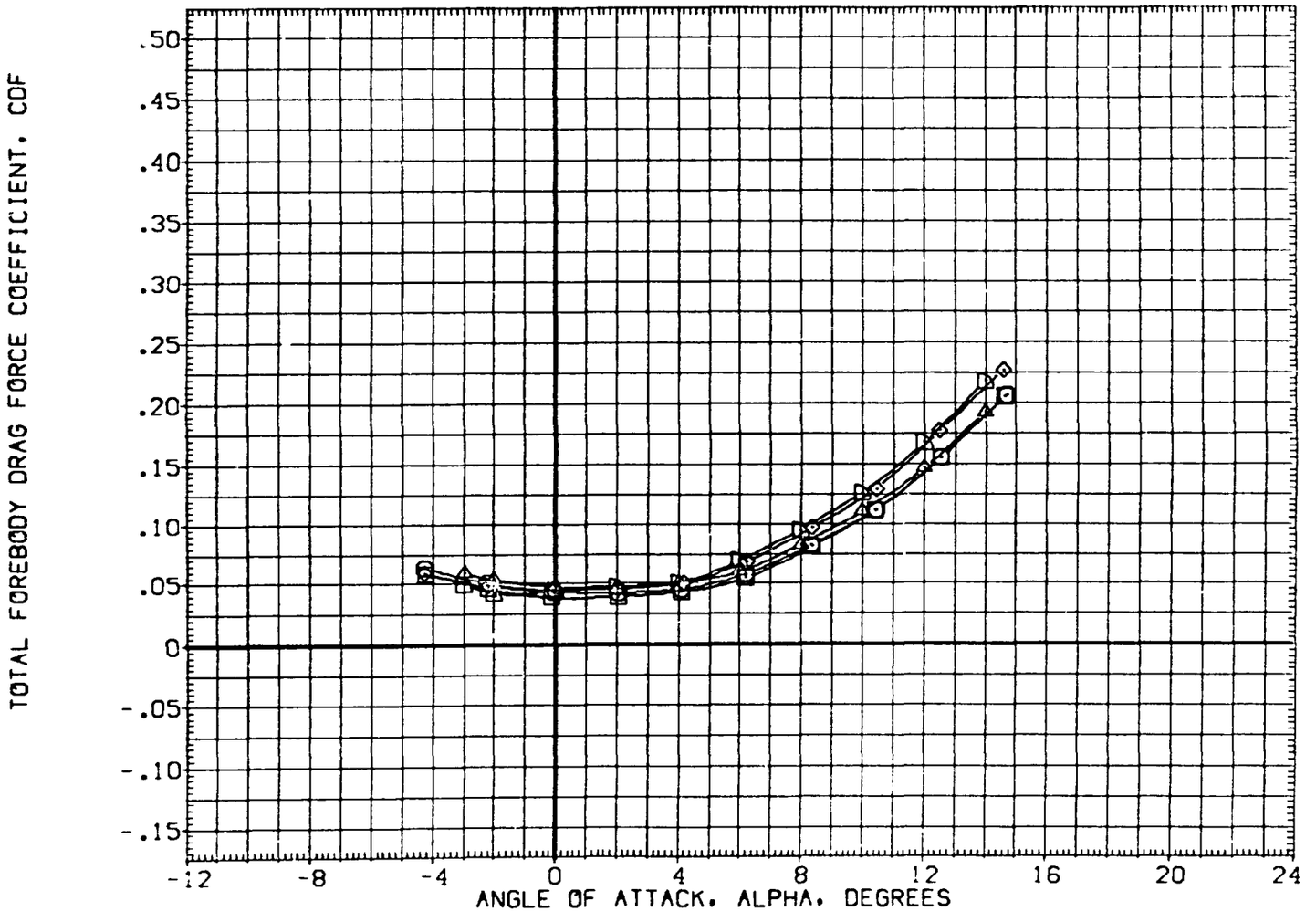


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	△	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	⊠	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	⋈	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0:50	

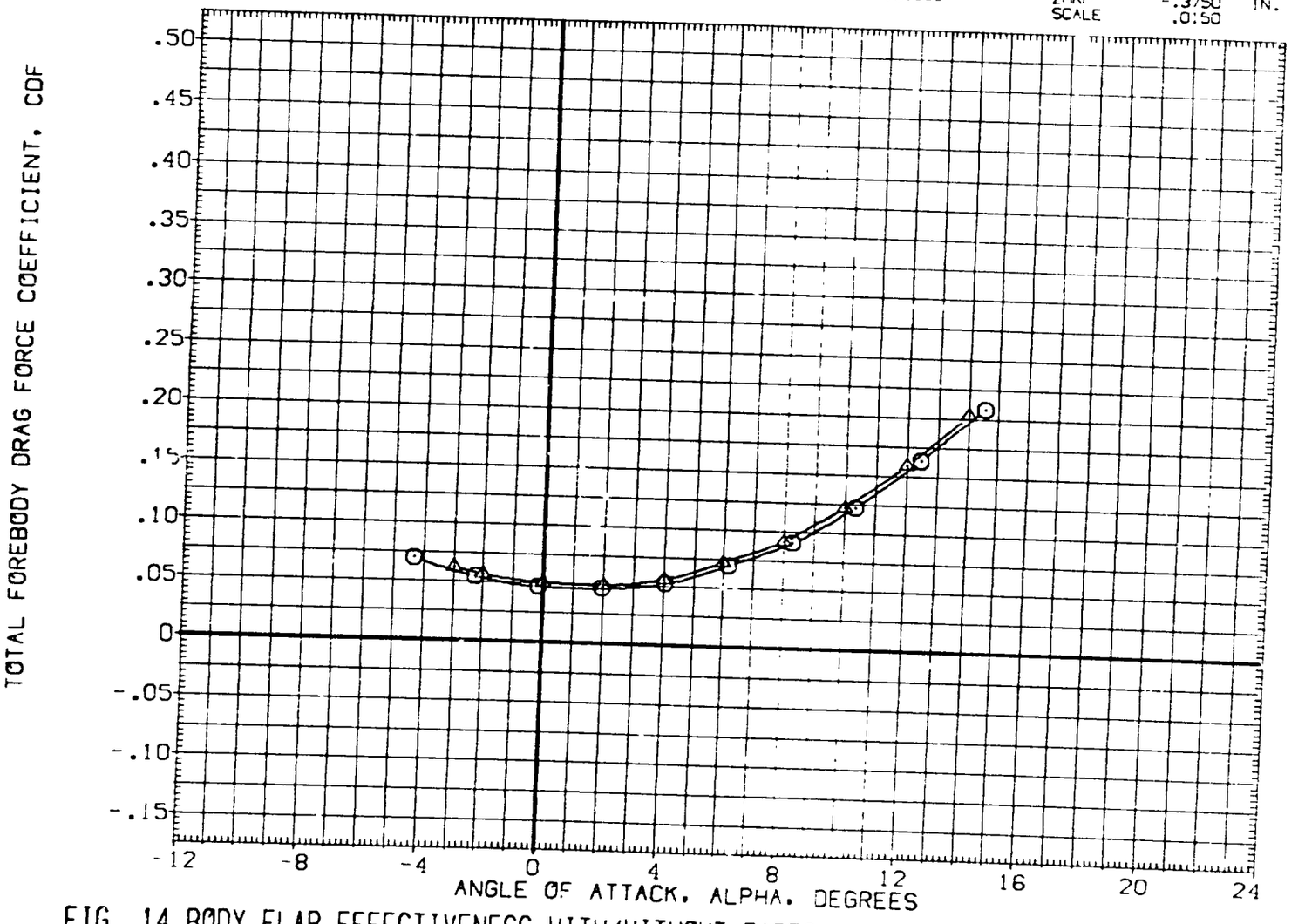


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	⊠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

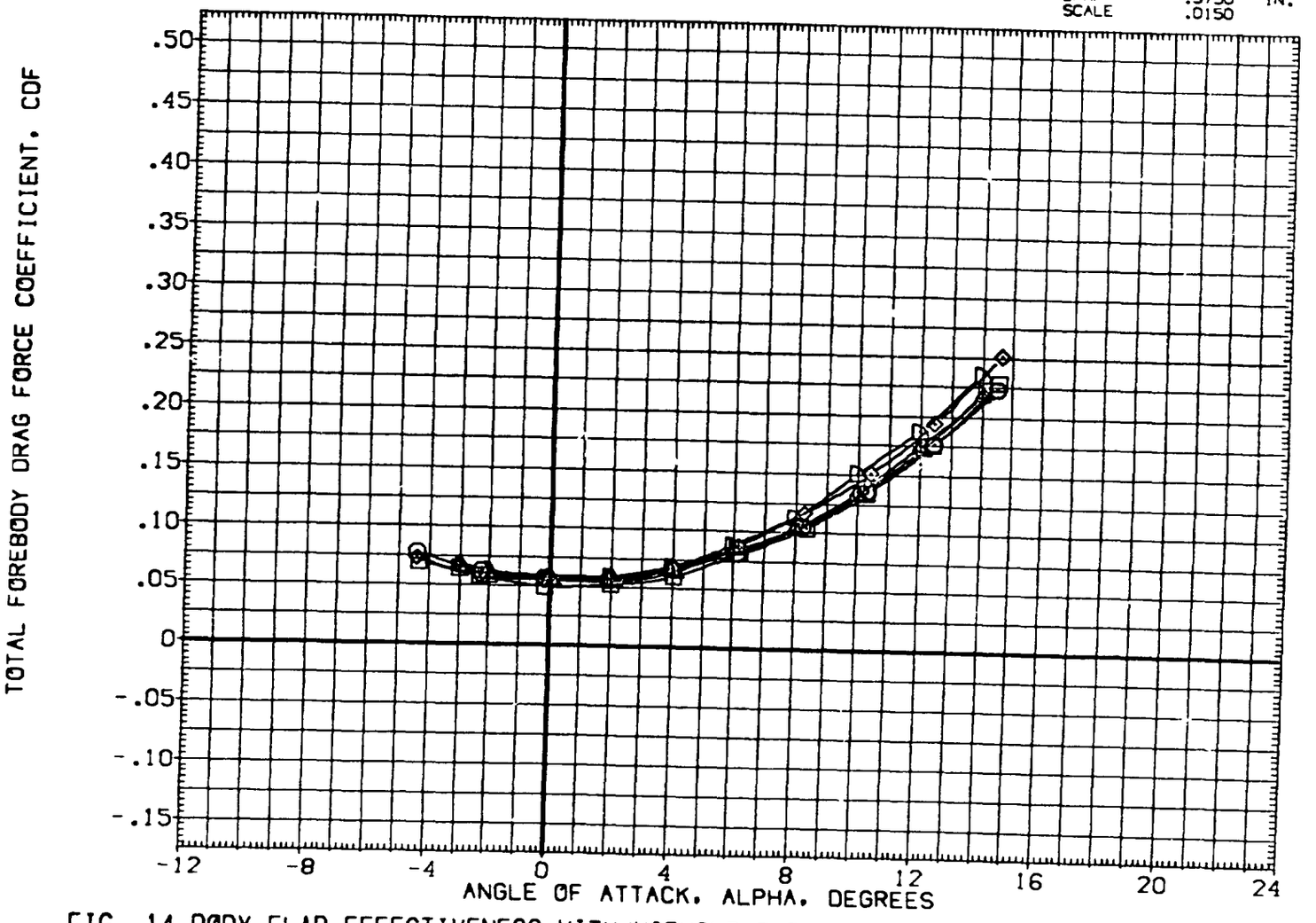


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(0ERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(0ERO22)		DATA NOT AVAILABLE	.000	.000	.000
(0ERO23)		DATA NOT AVAILABLE	.000	.000	16.300
(3ERO19)		ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ERO22)		DATA NOT AVAILABLE	.000	.000	.000
(3ERO23)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION.		
SREF	.6053	SQ.FT
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

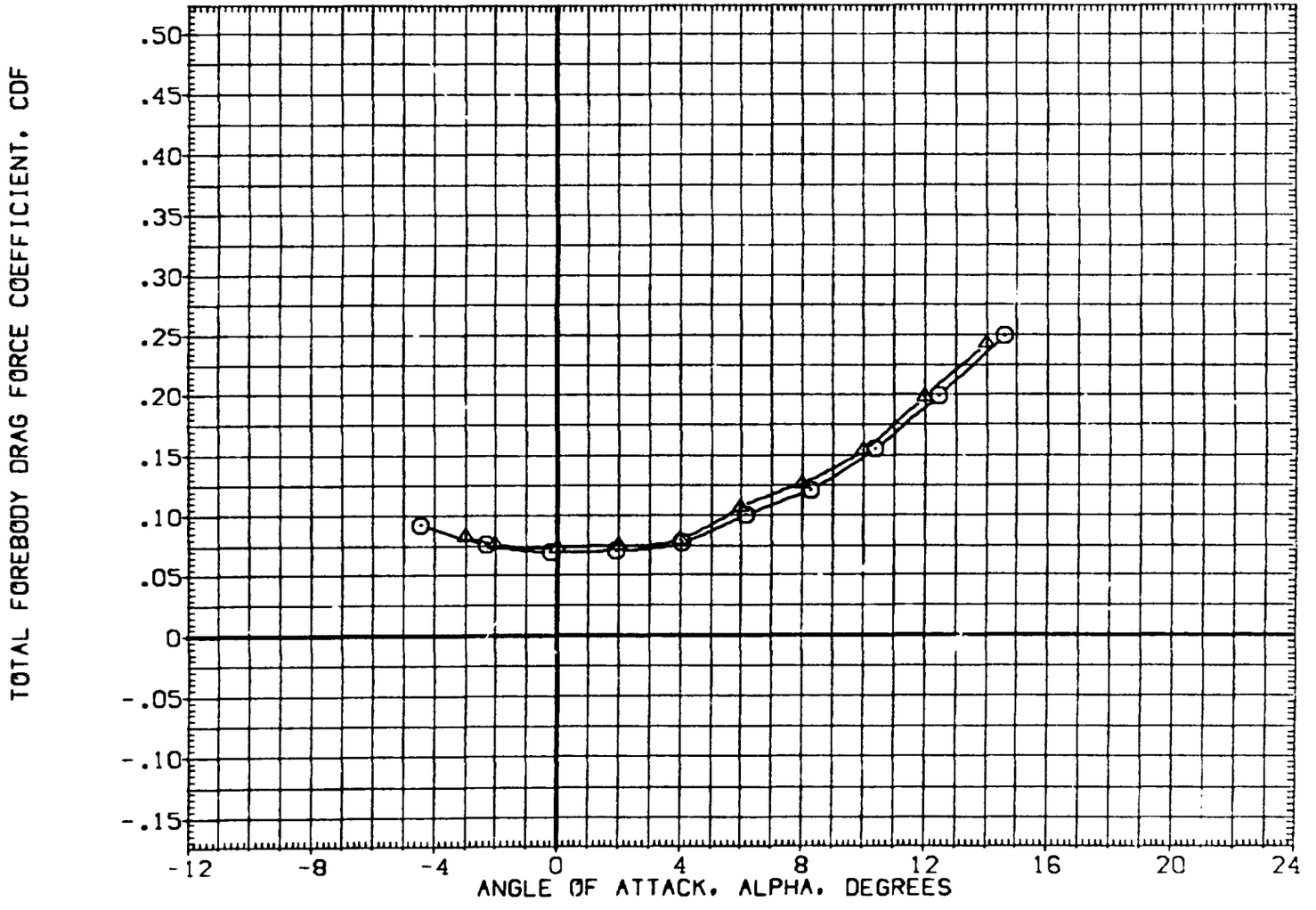


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

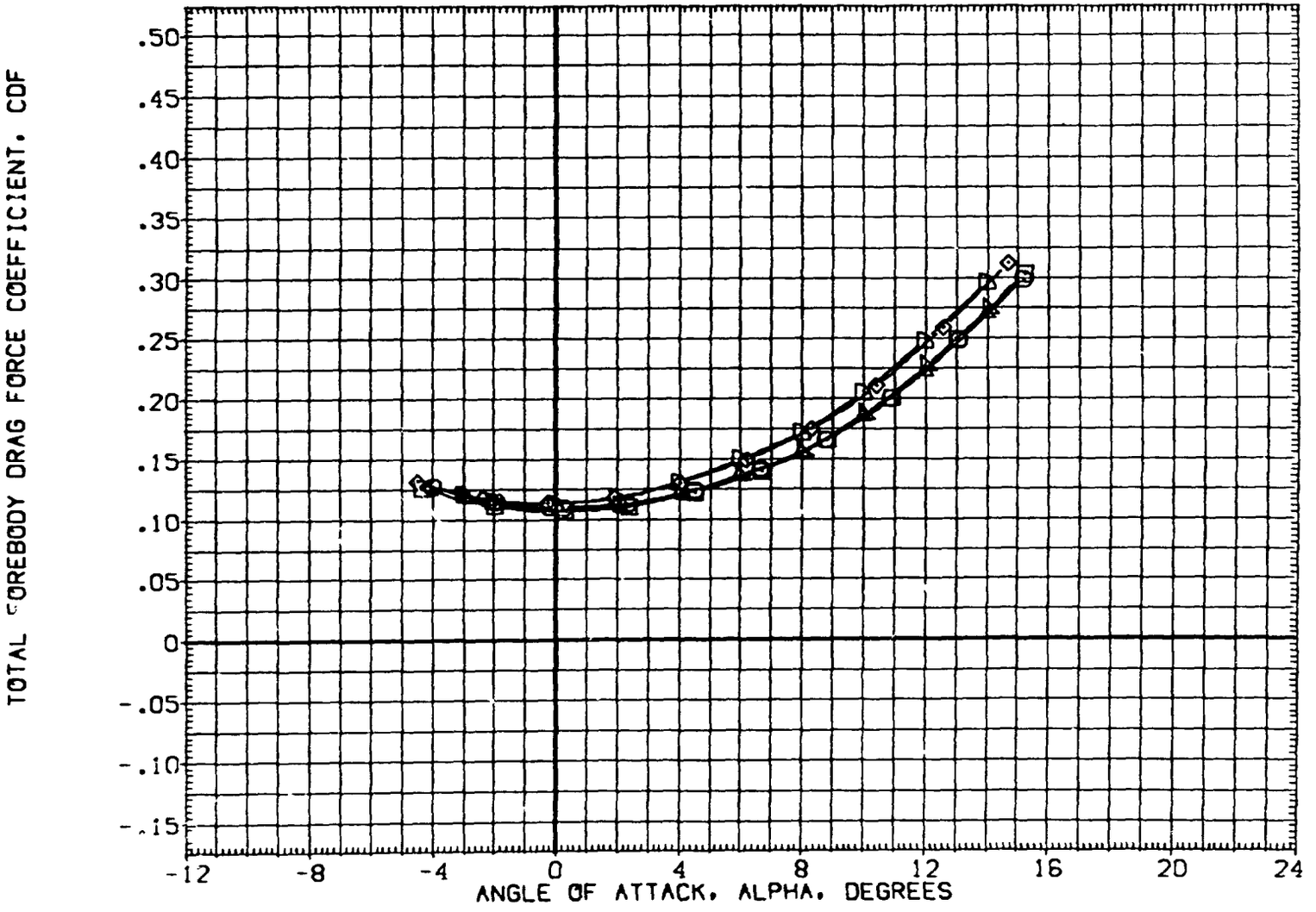


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

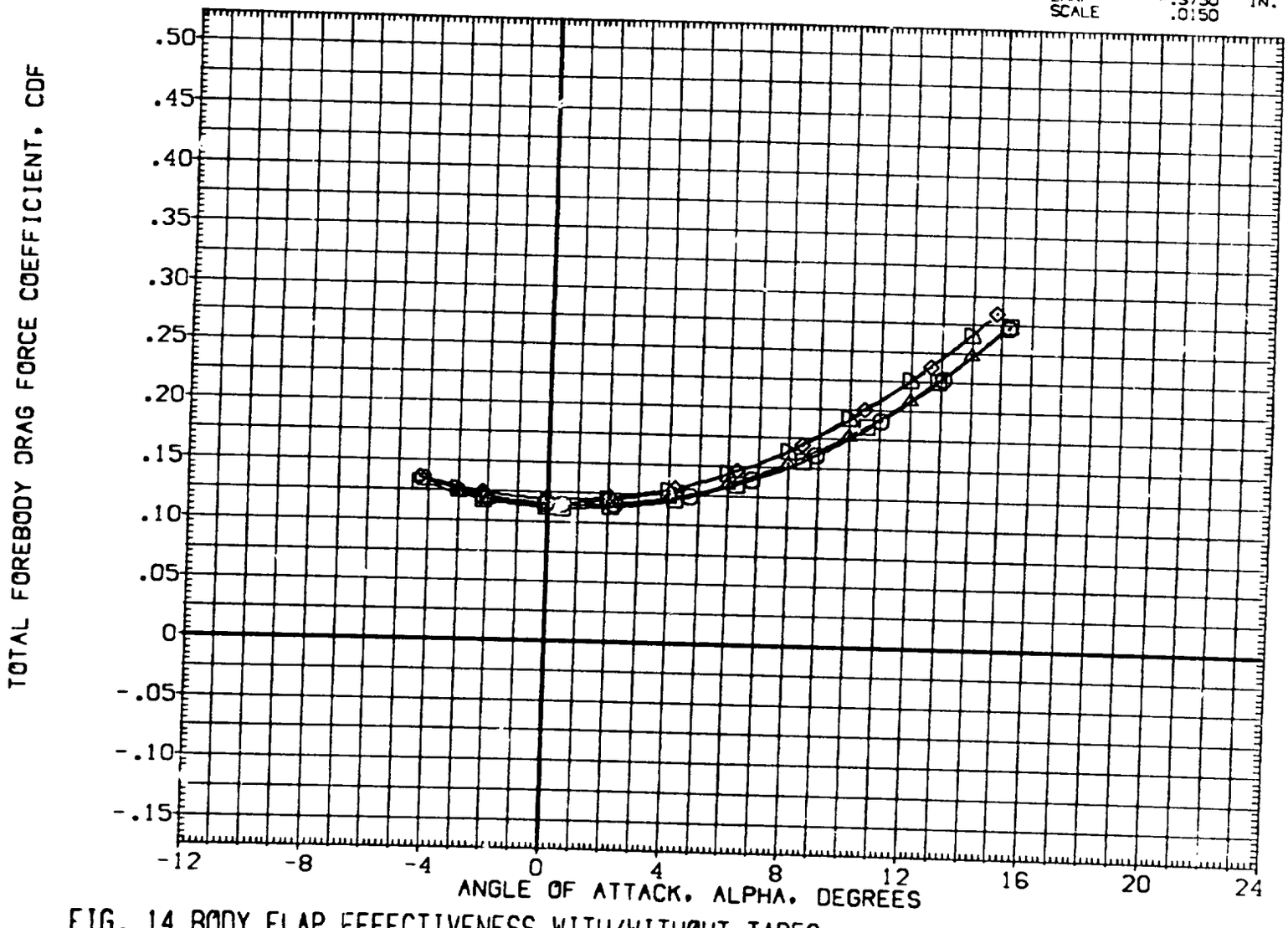


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	⊲	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

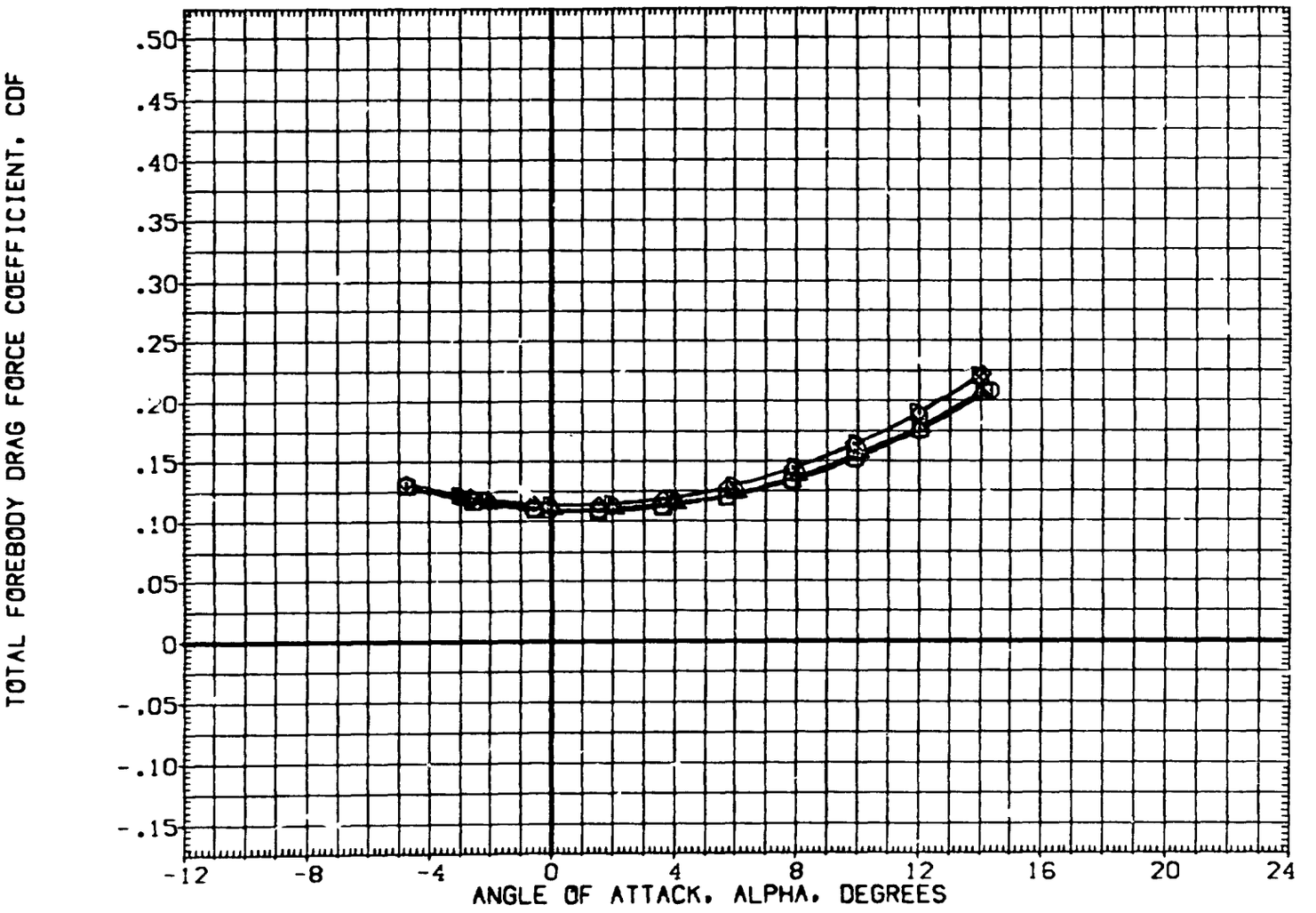


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▷	APC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	⬡	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	⬠	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

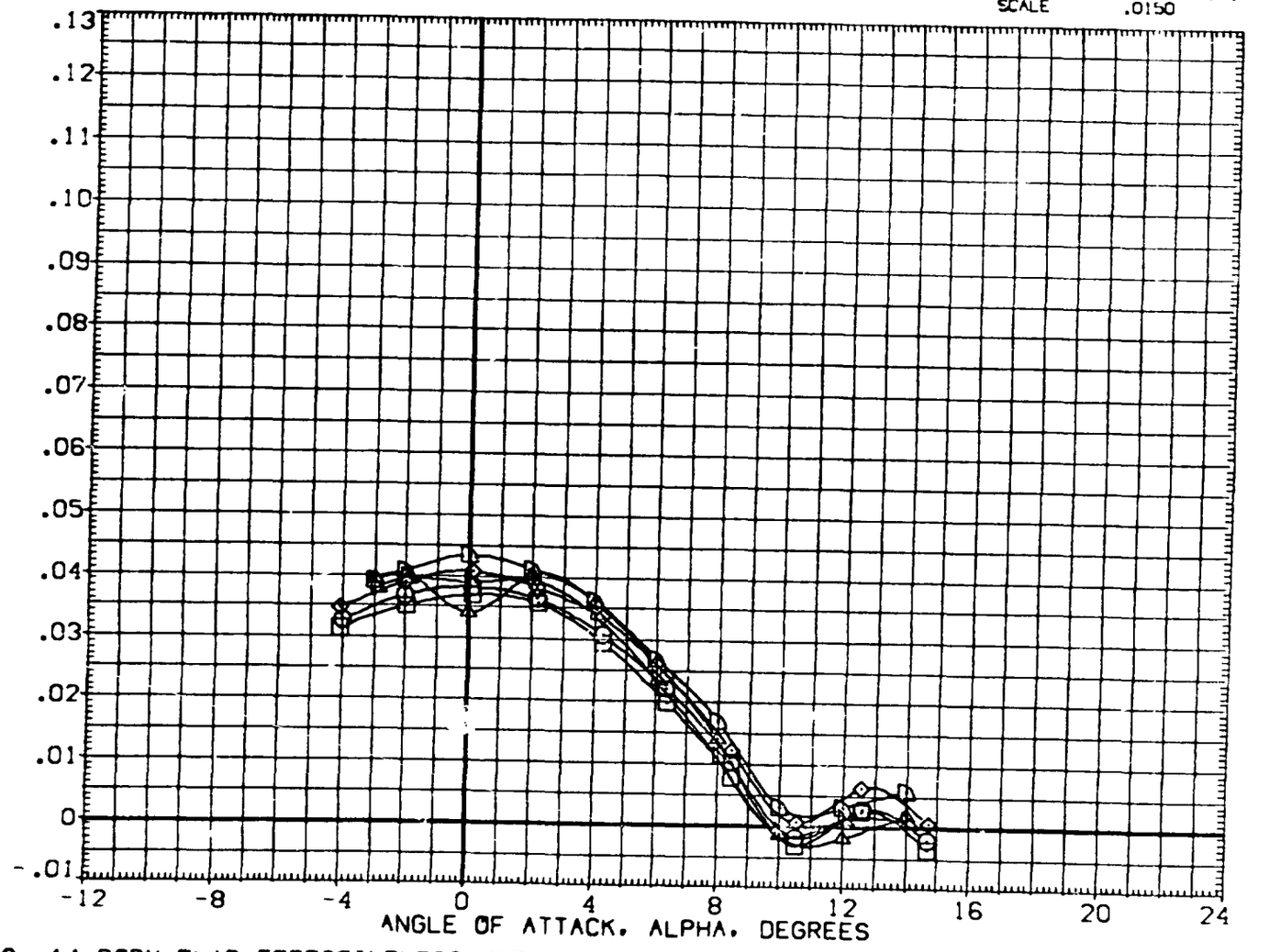


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

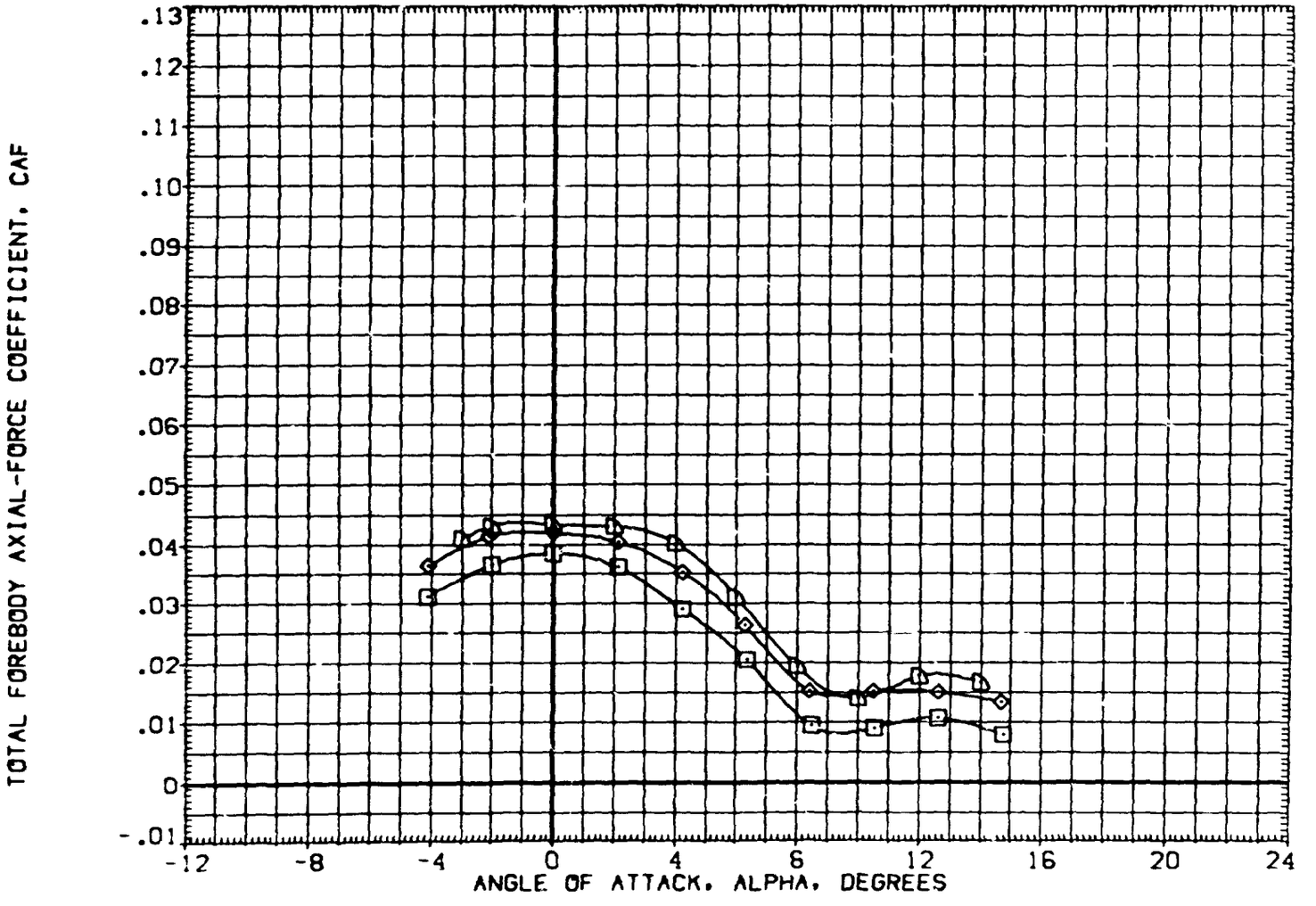


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

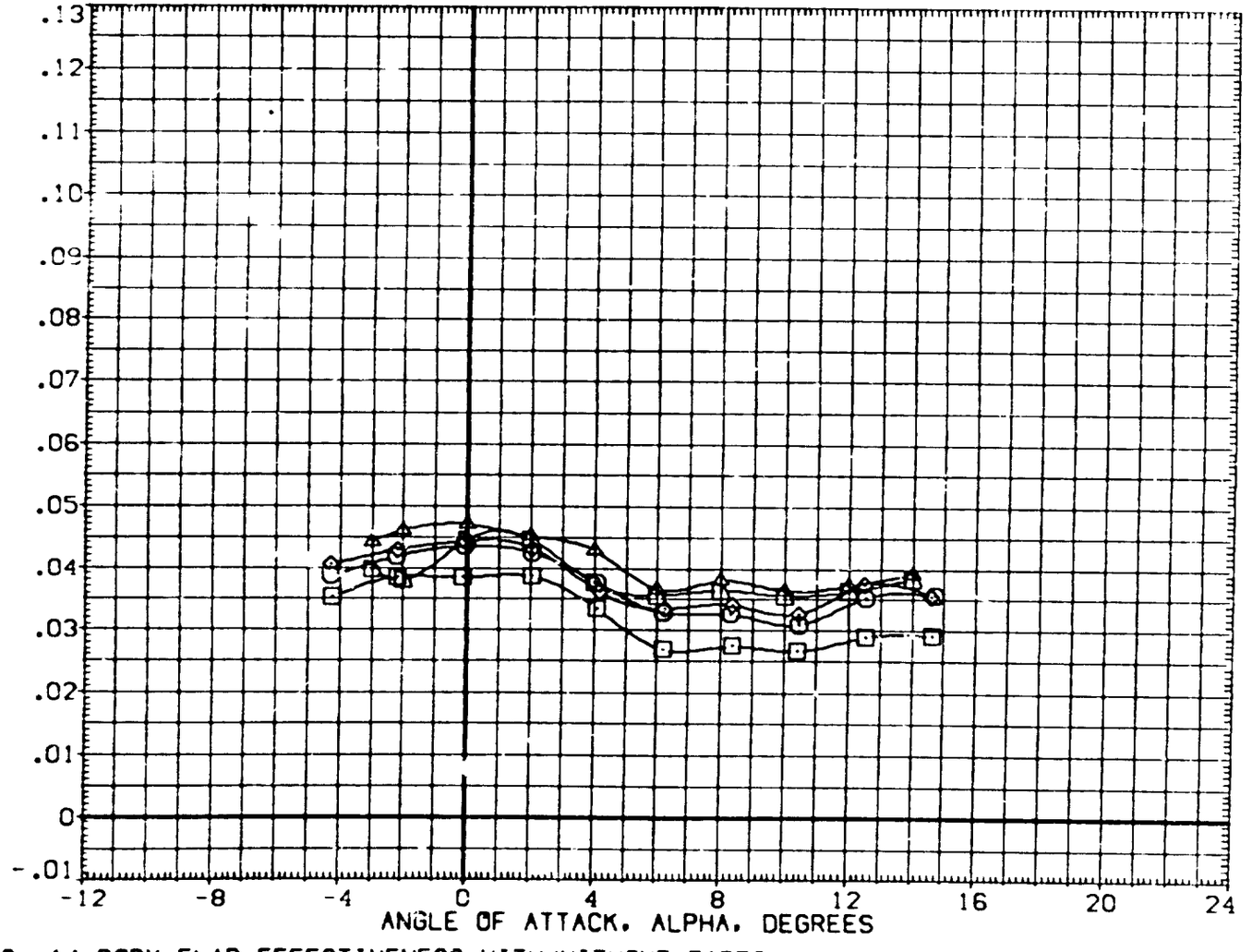


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	△	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	⊡	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	⊠	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

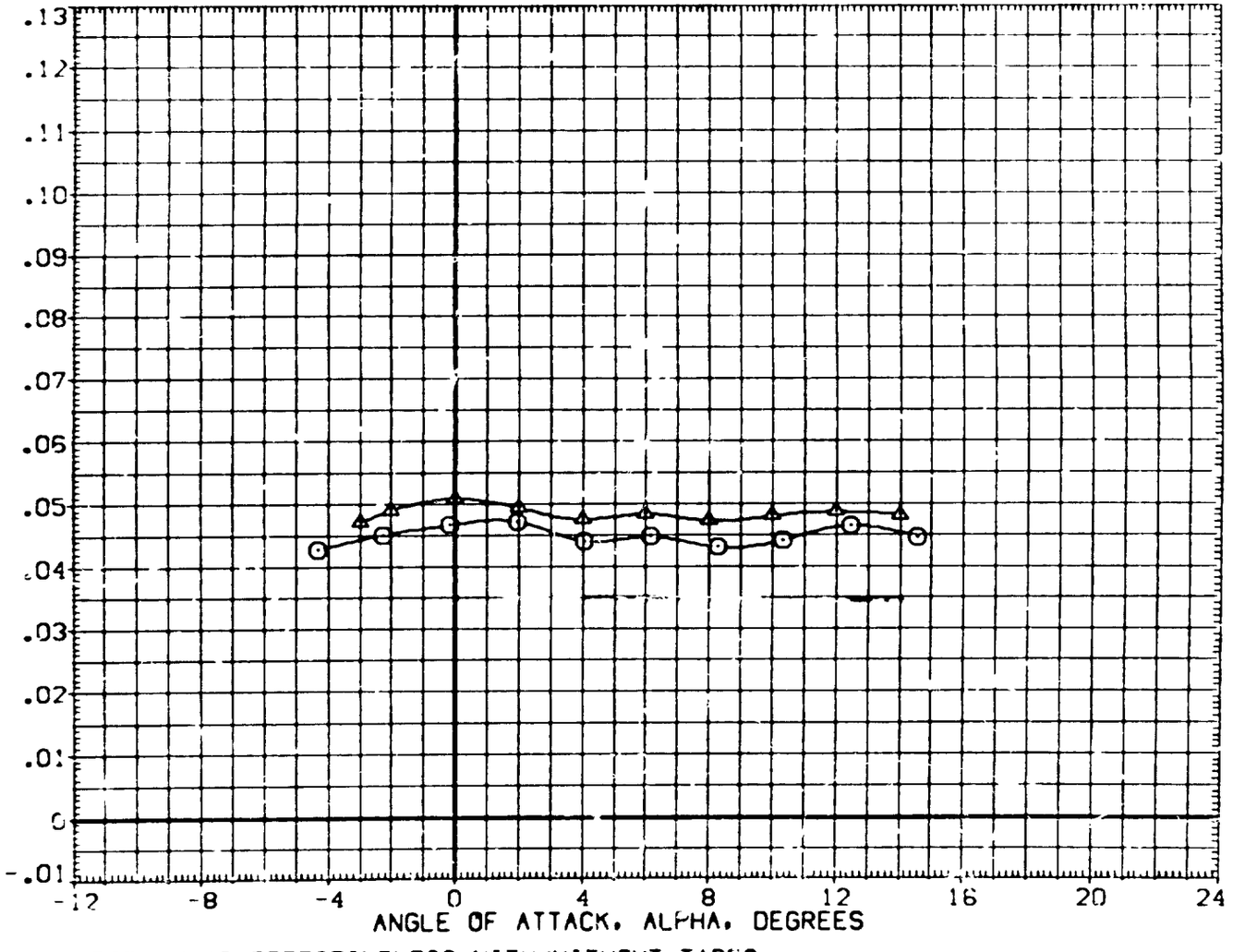


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	▷	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▷	ARC 66-709 0A53 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	◇	ARC 66-709 0A53 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

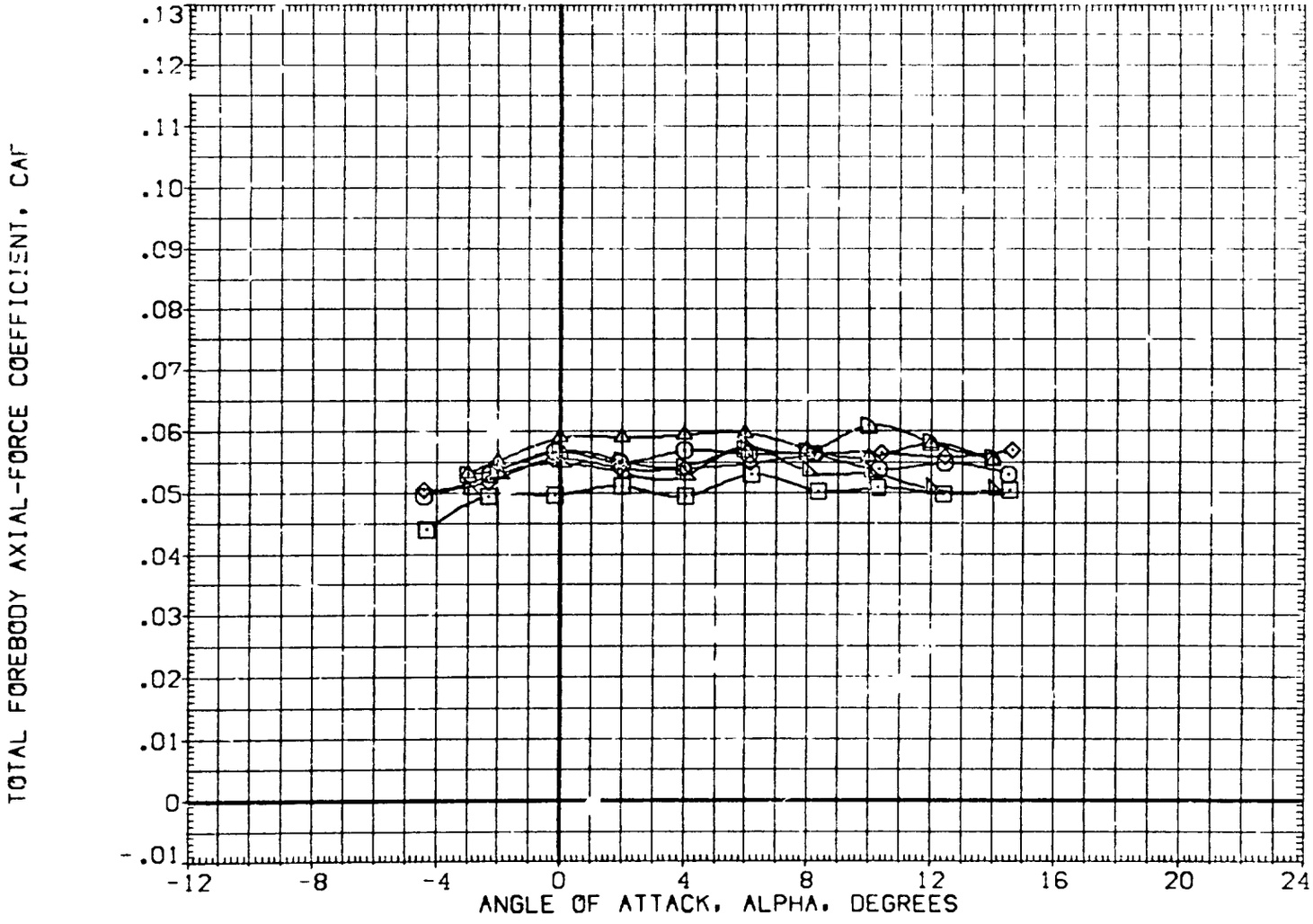


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

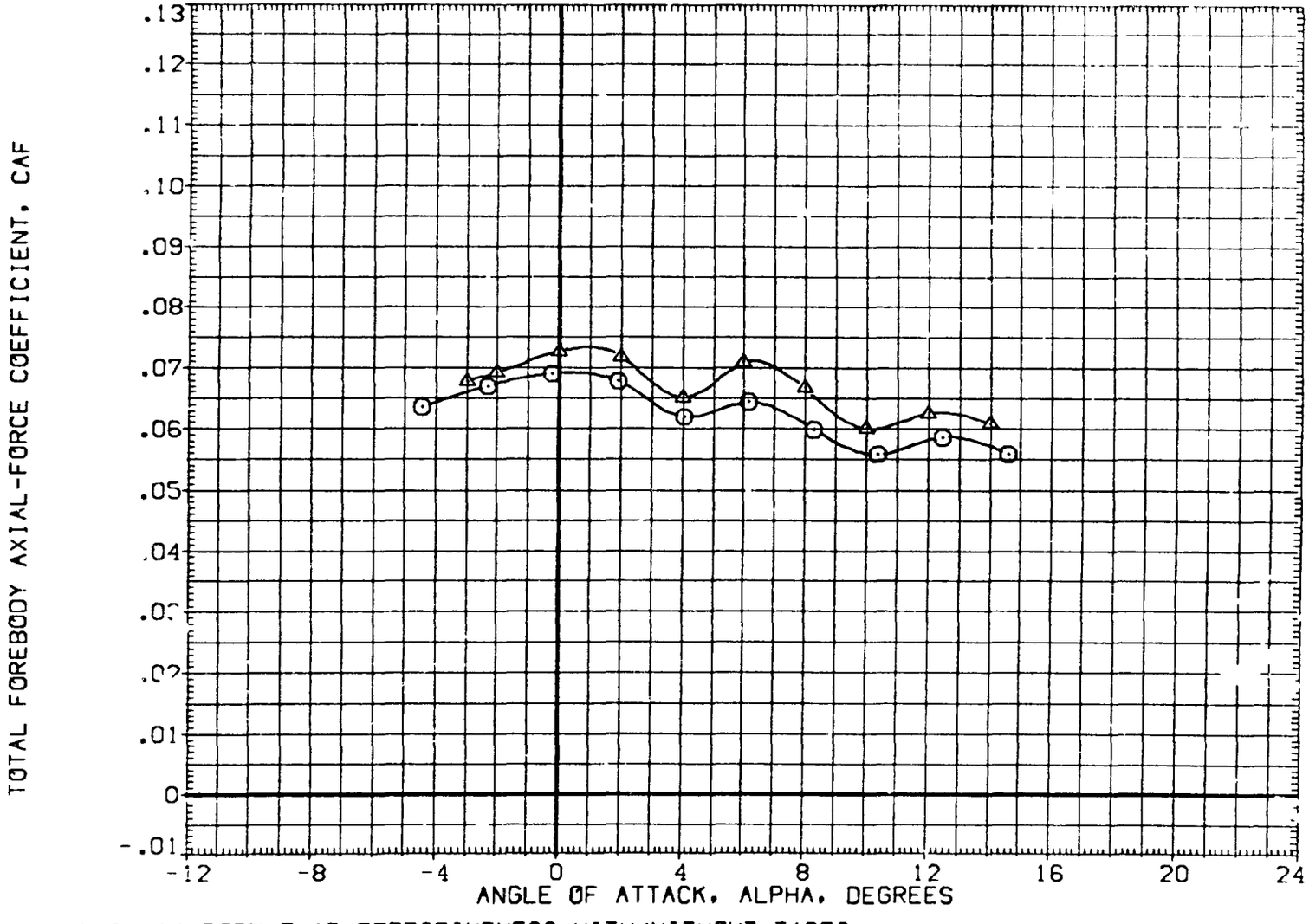


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GFR019)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GLR022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

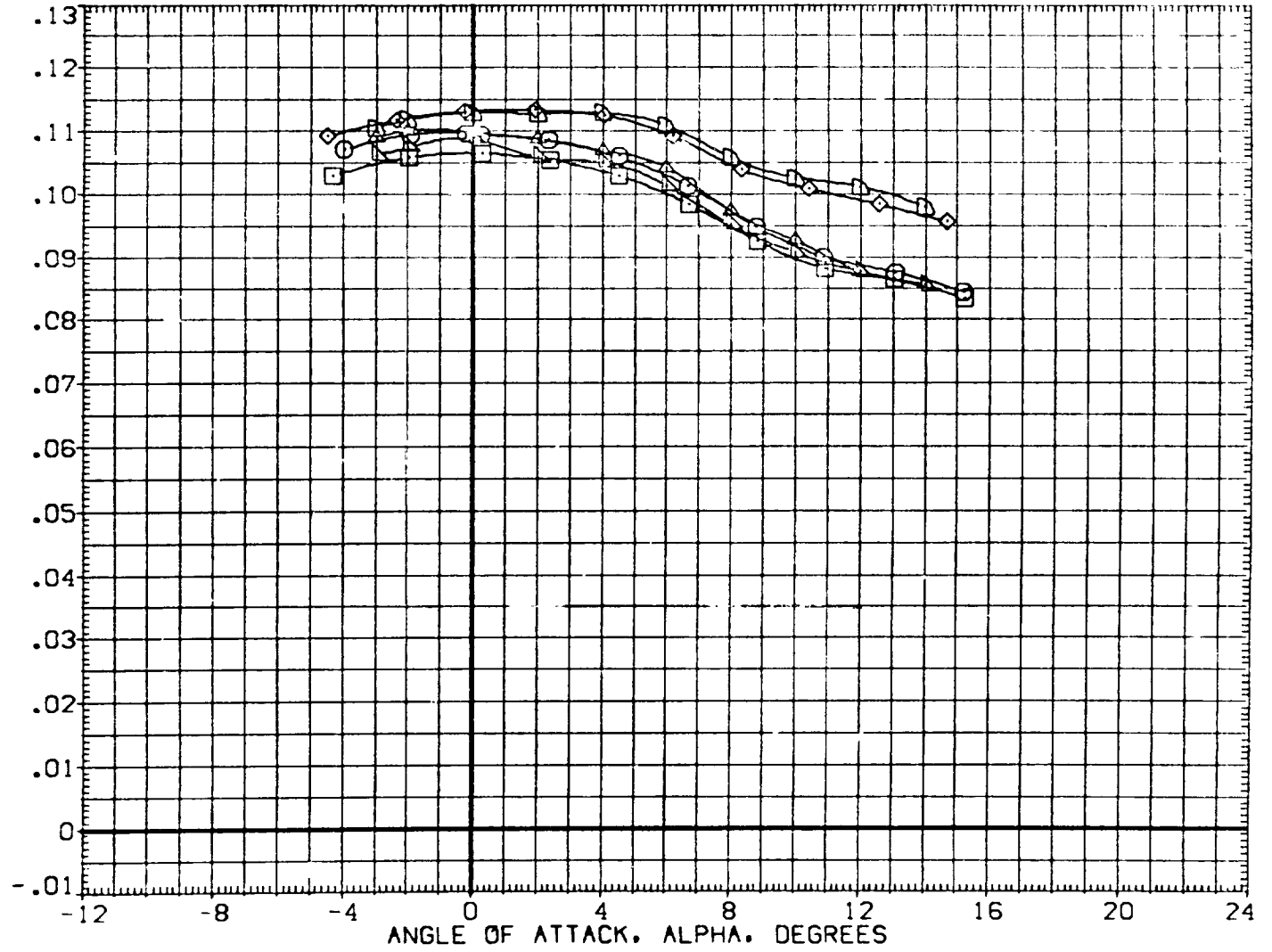


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

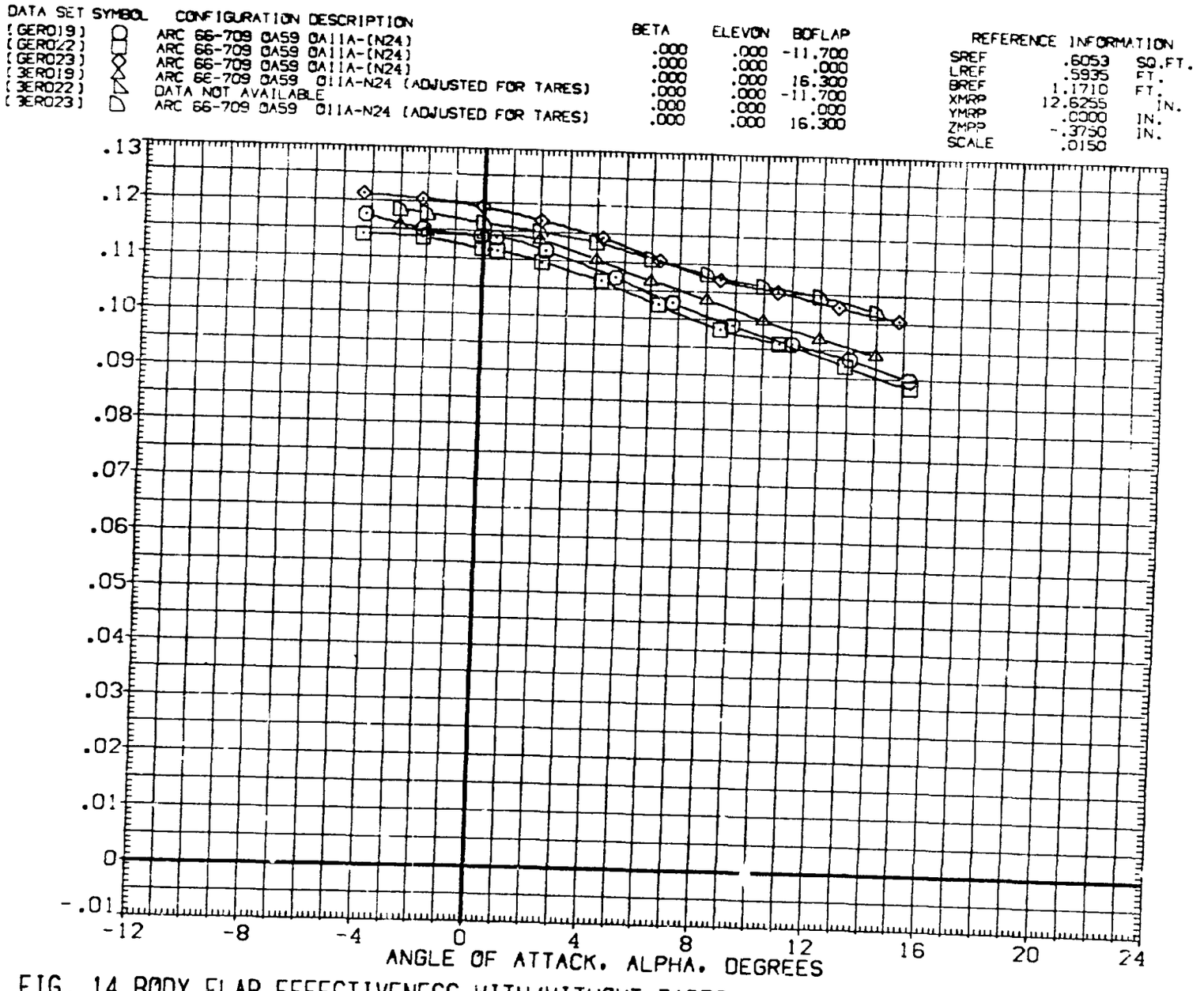


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

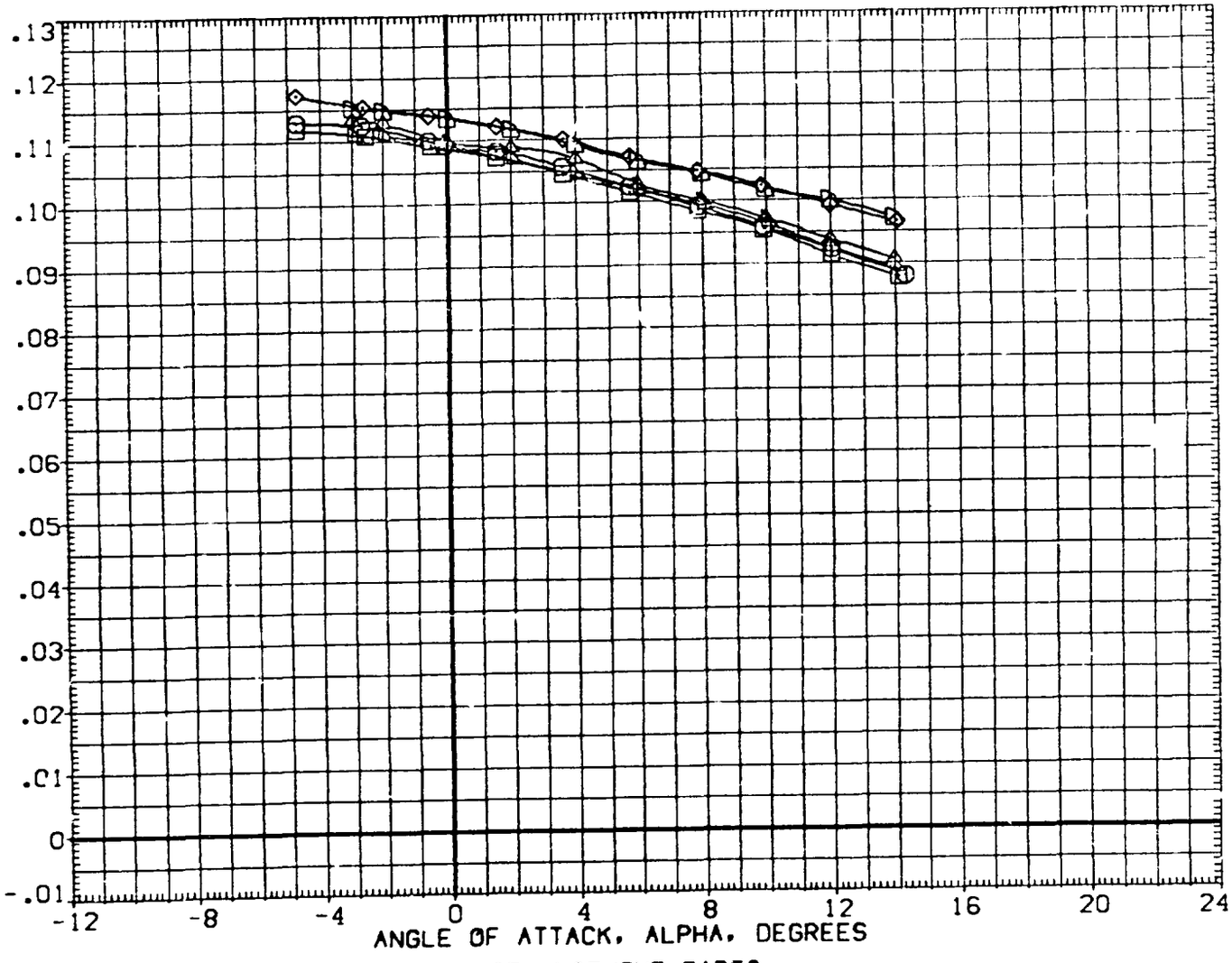


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

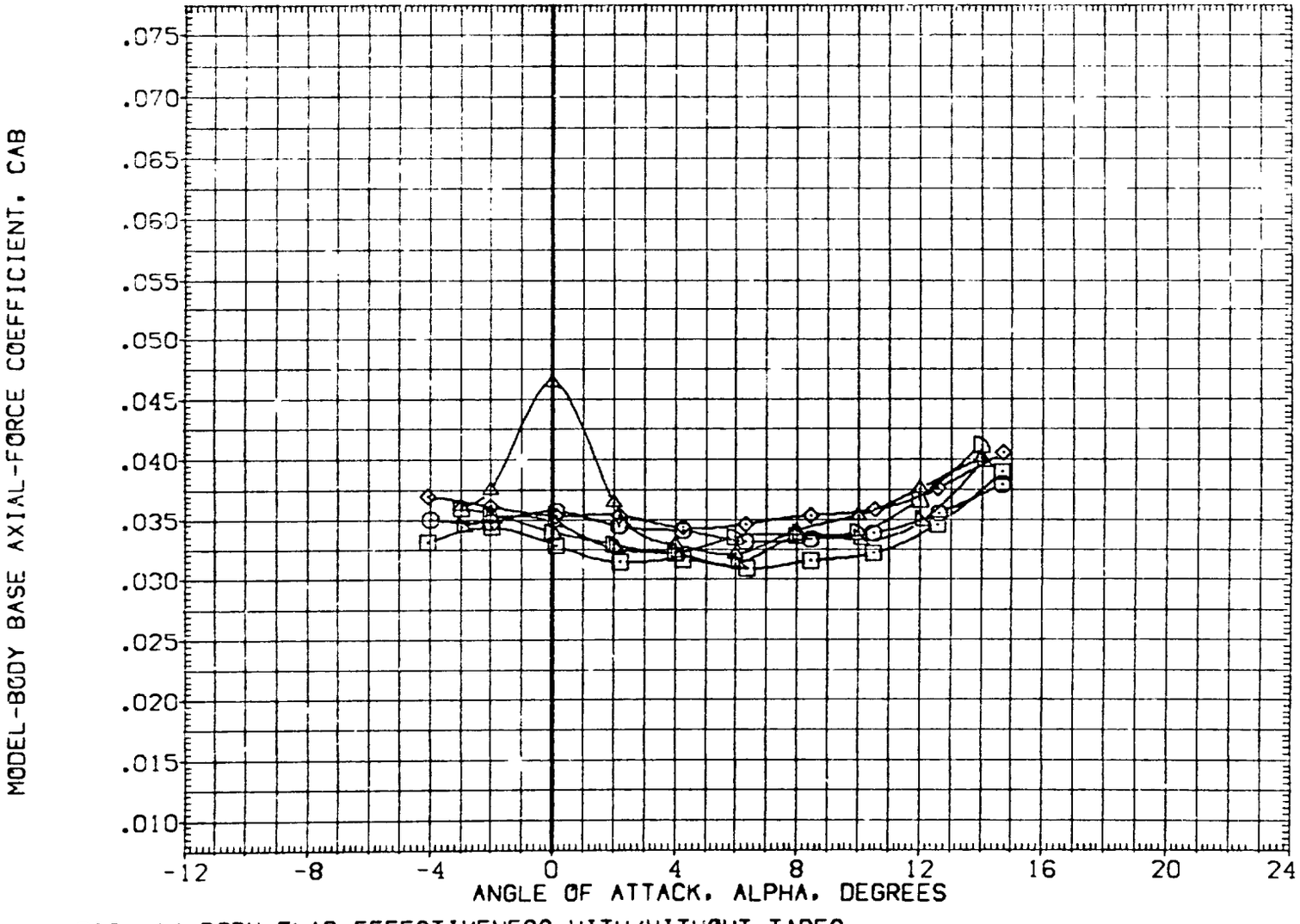


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		DATA NOT AVAILABLE	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

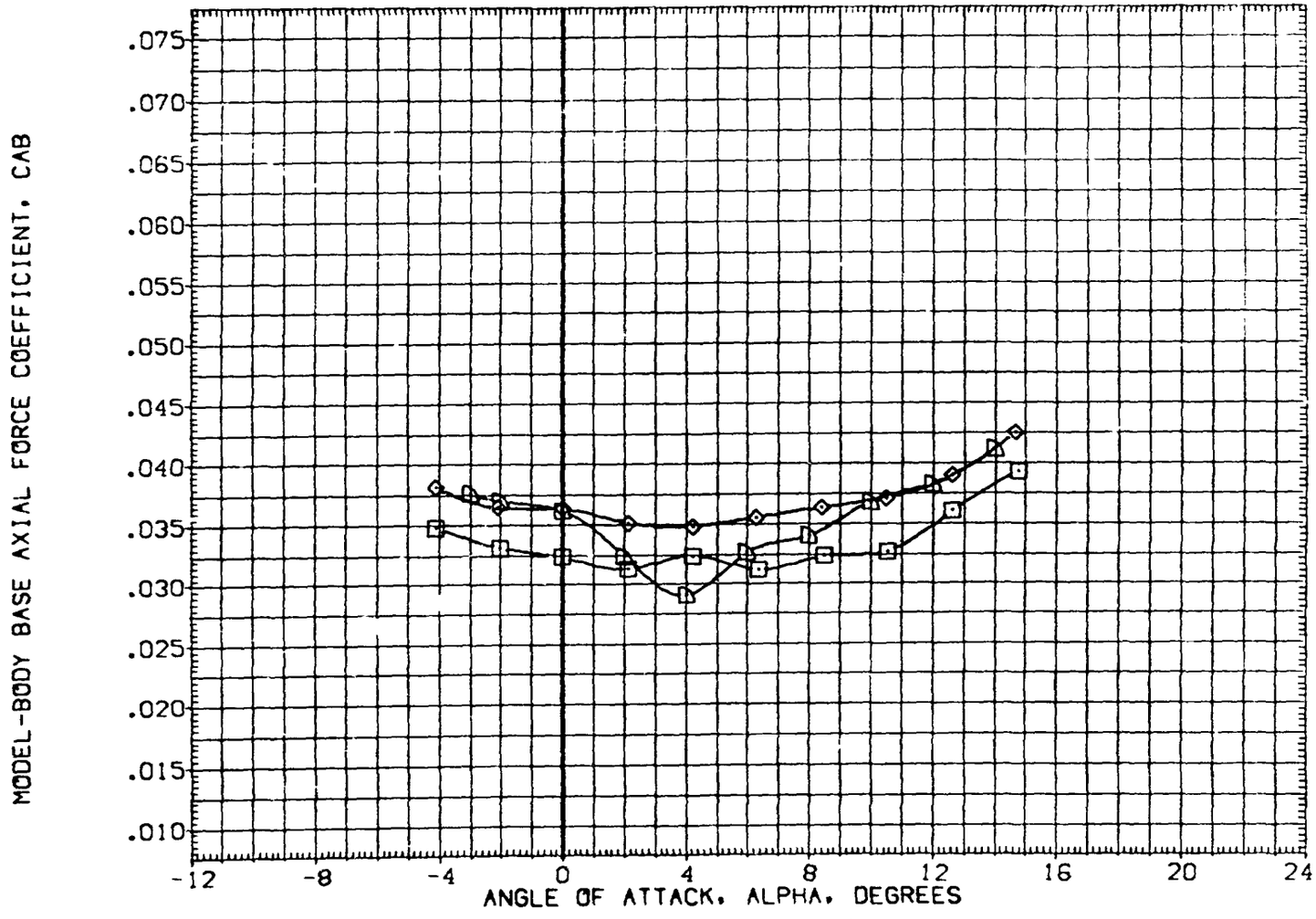


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	⊡	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	⊠	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

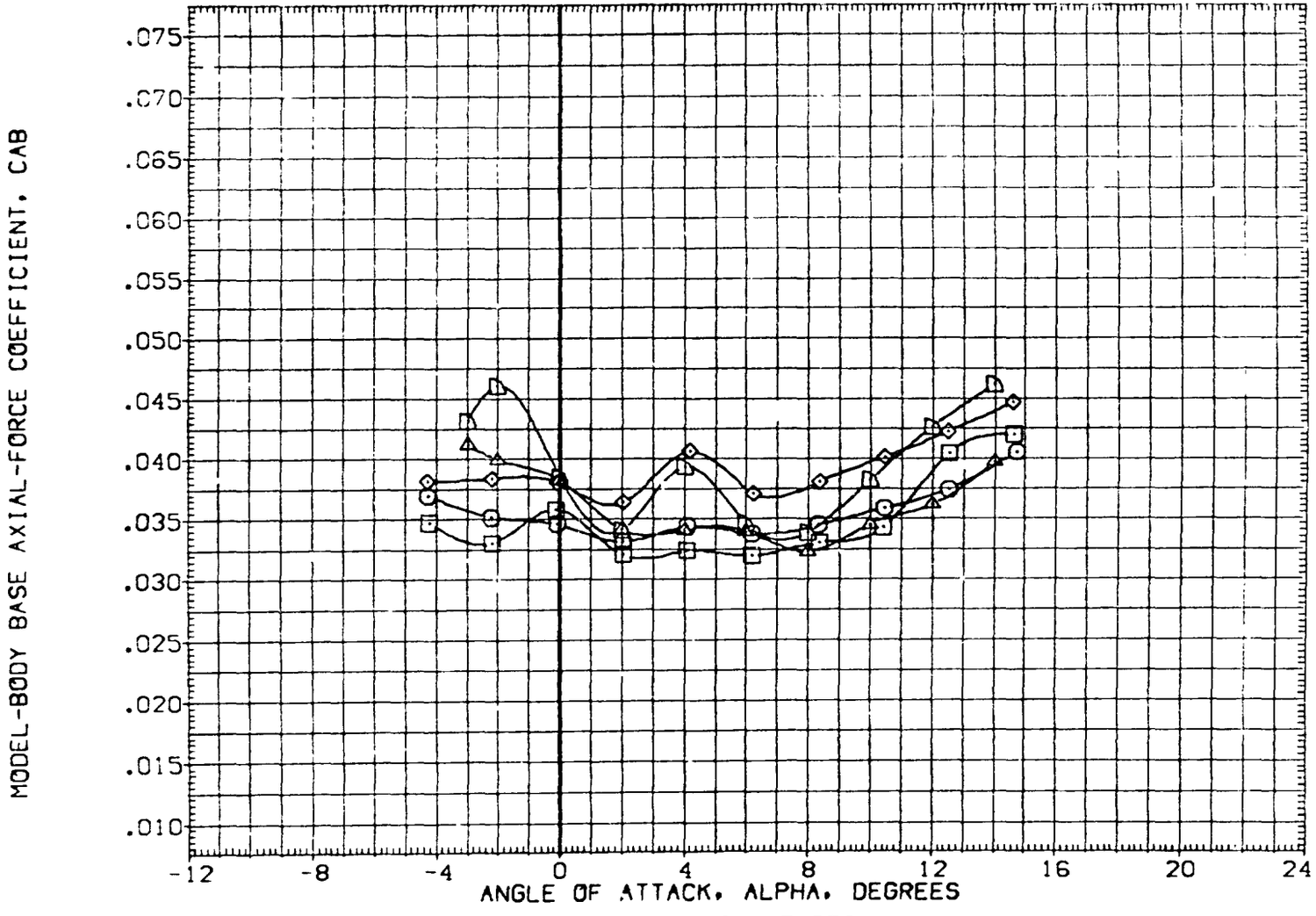


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

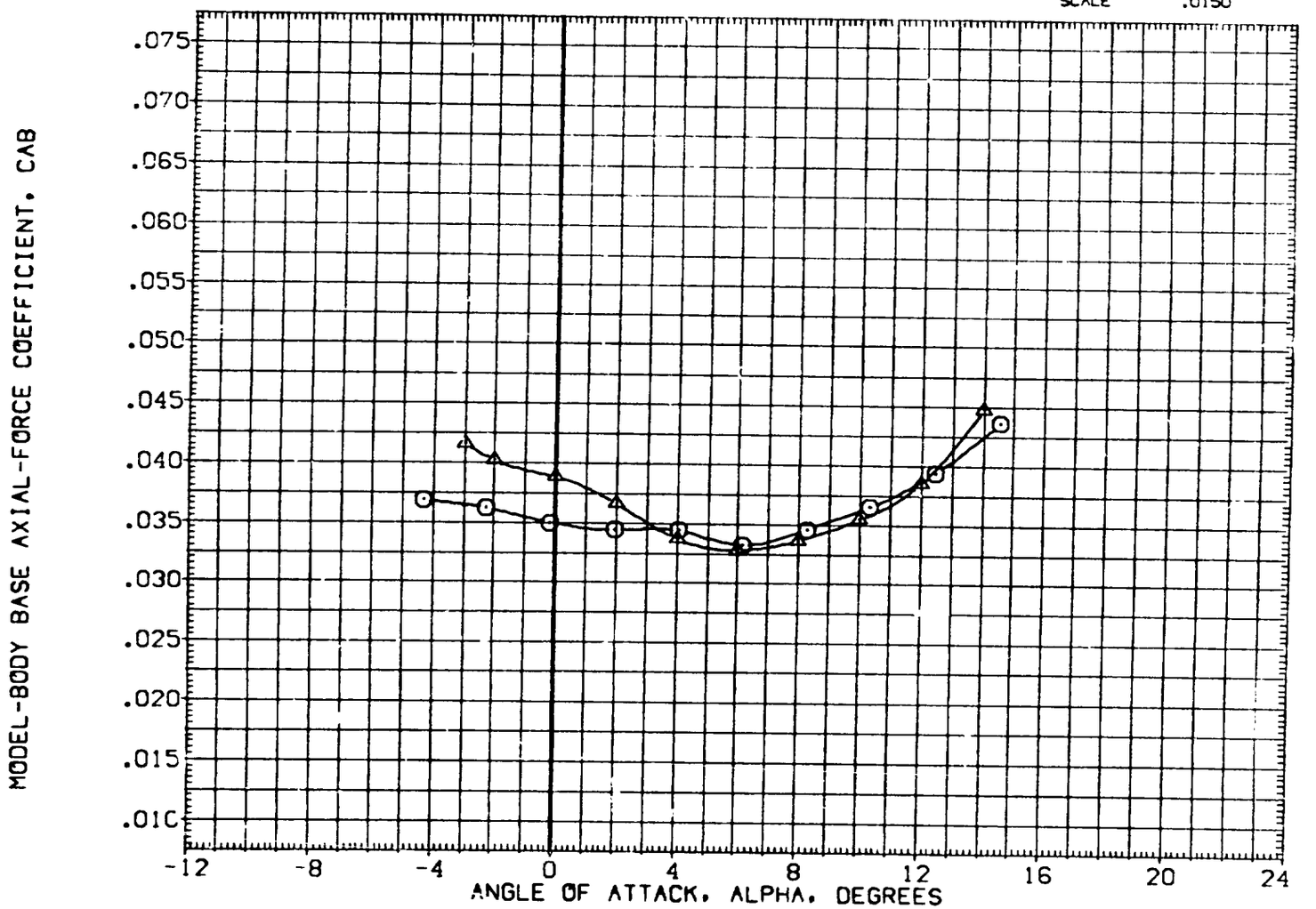


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	□	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◇	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

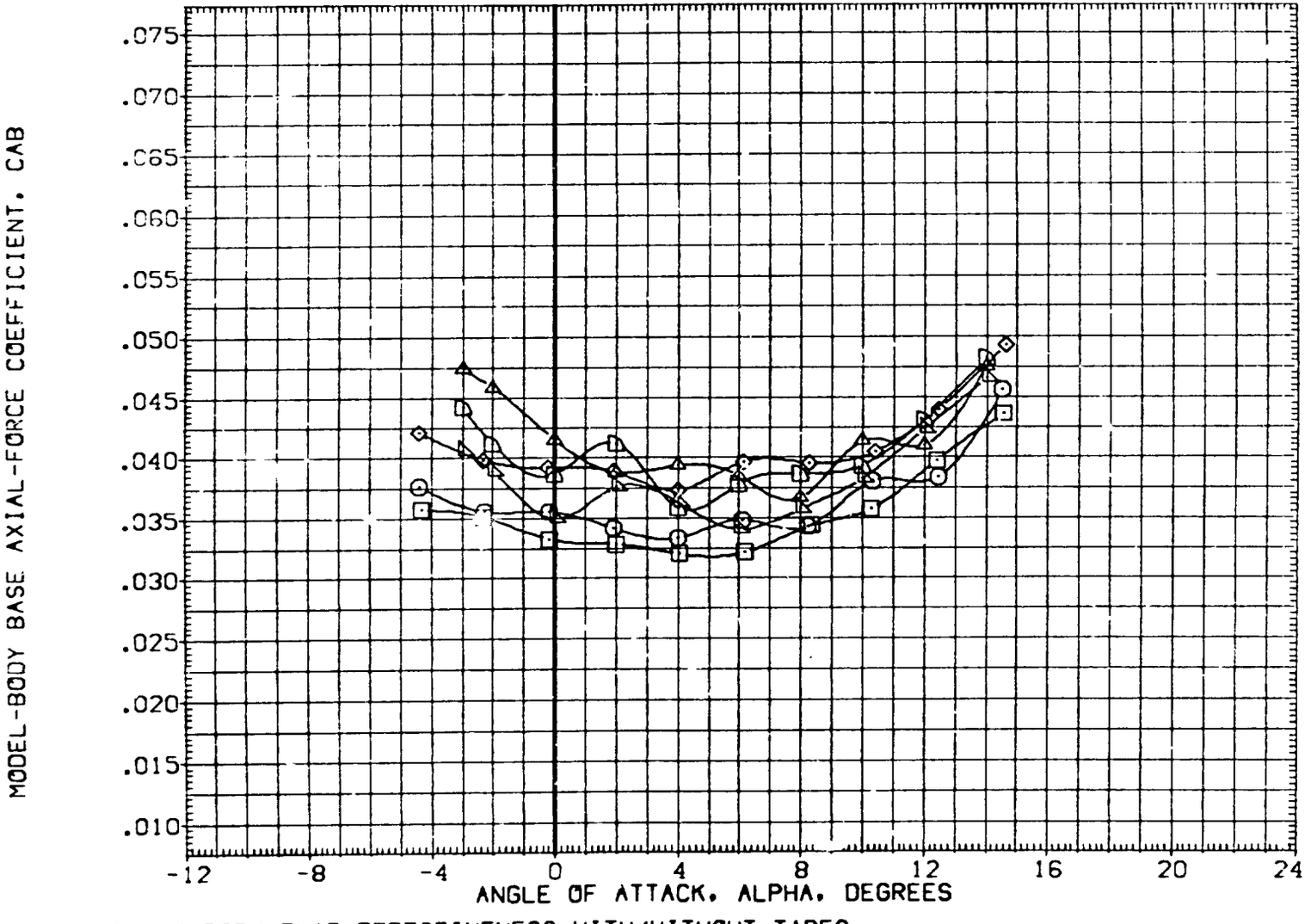


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(GER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	△	DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	△	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

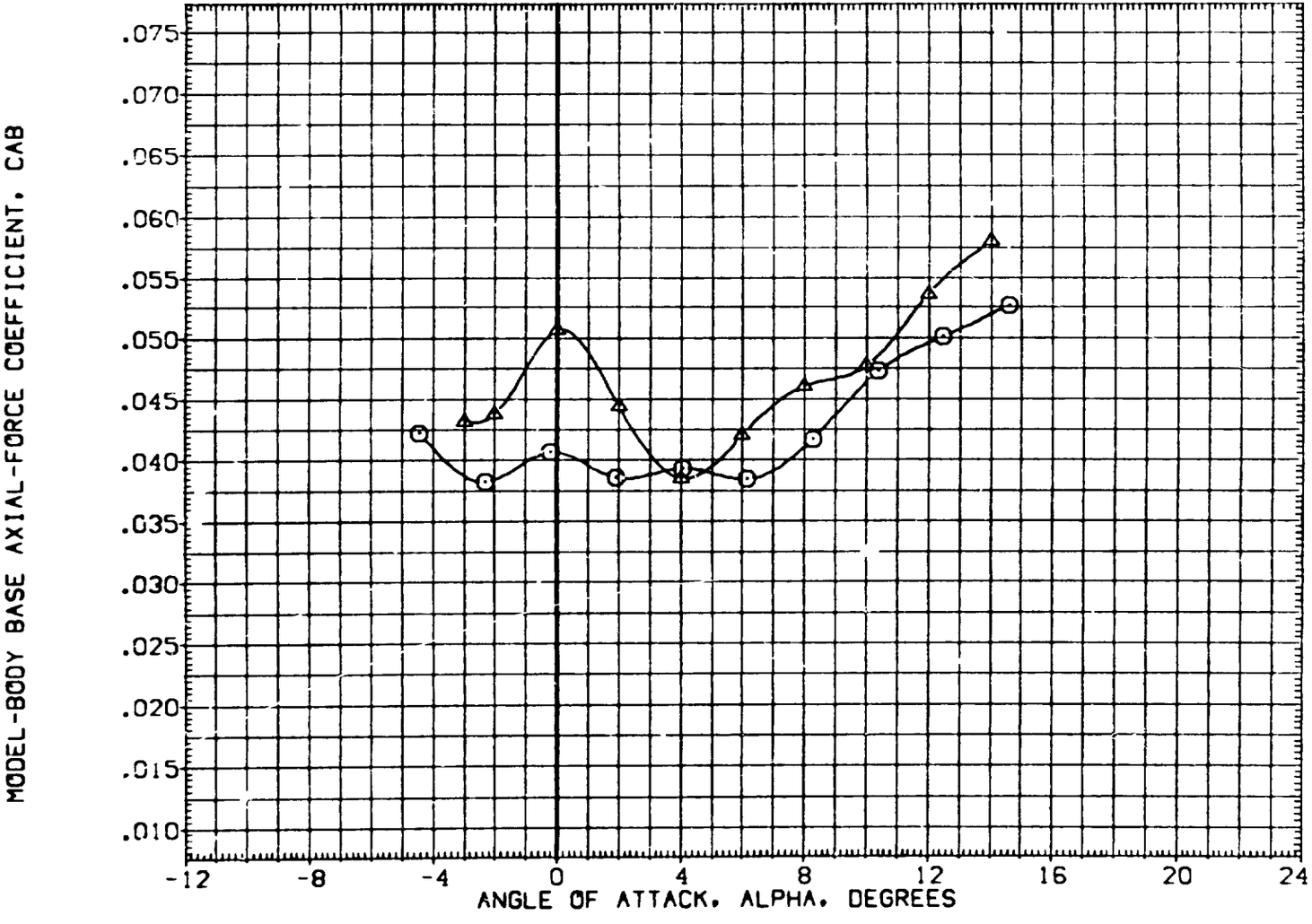


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6755	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

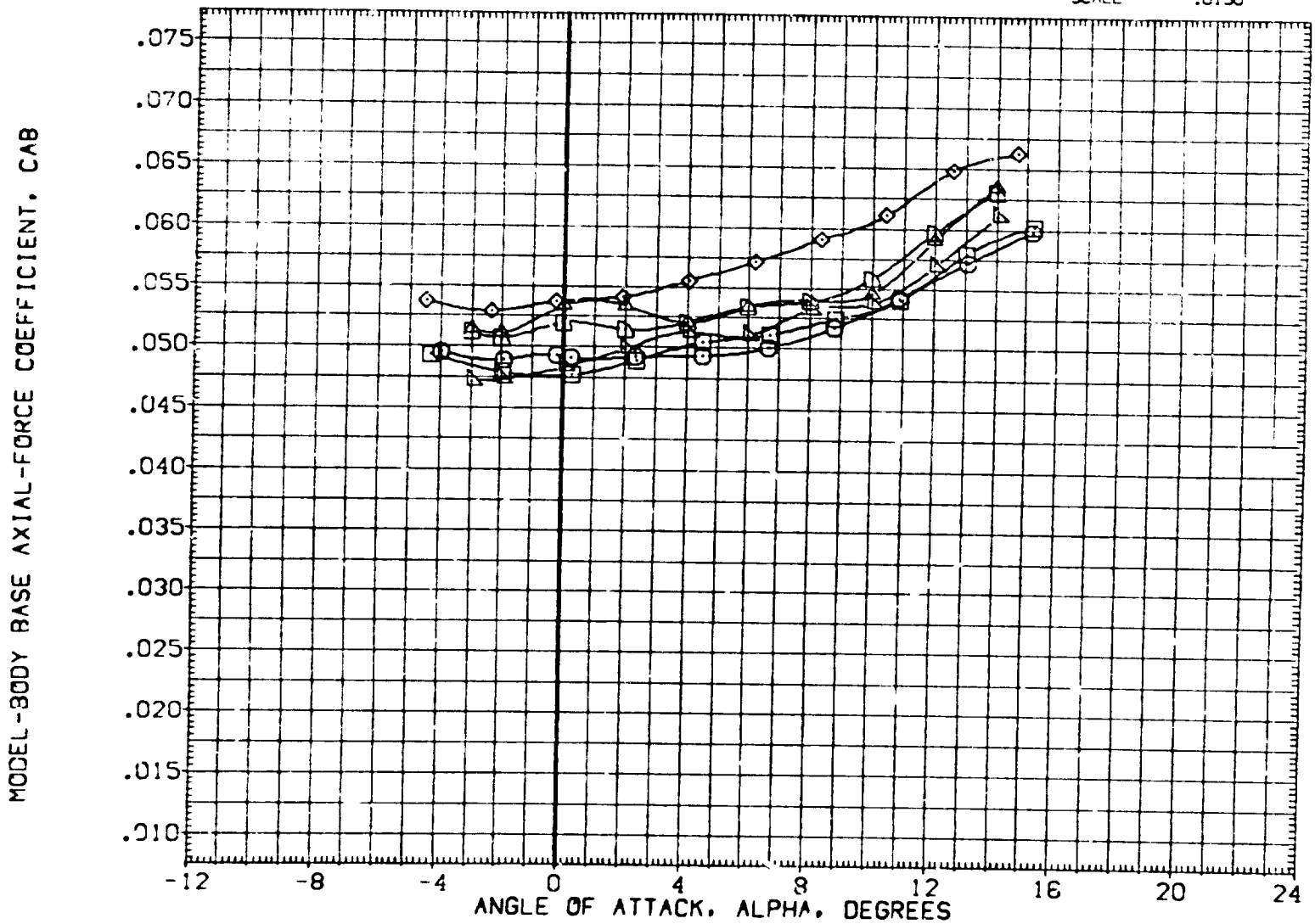


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)		DATA NOT AVAILABLE	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

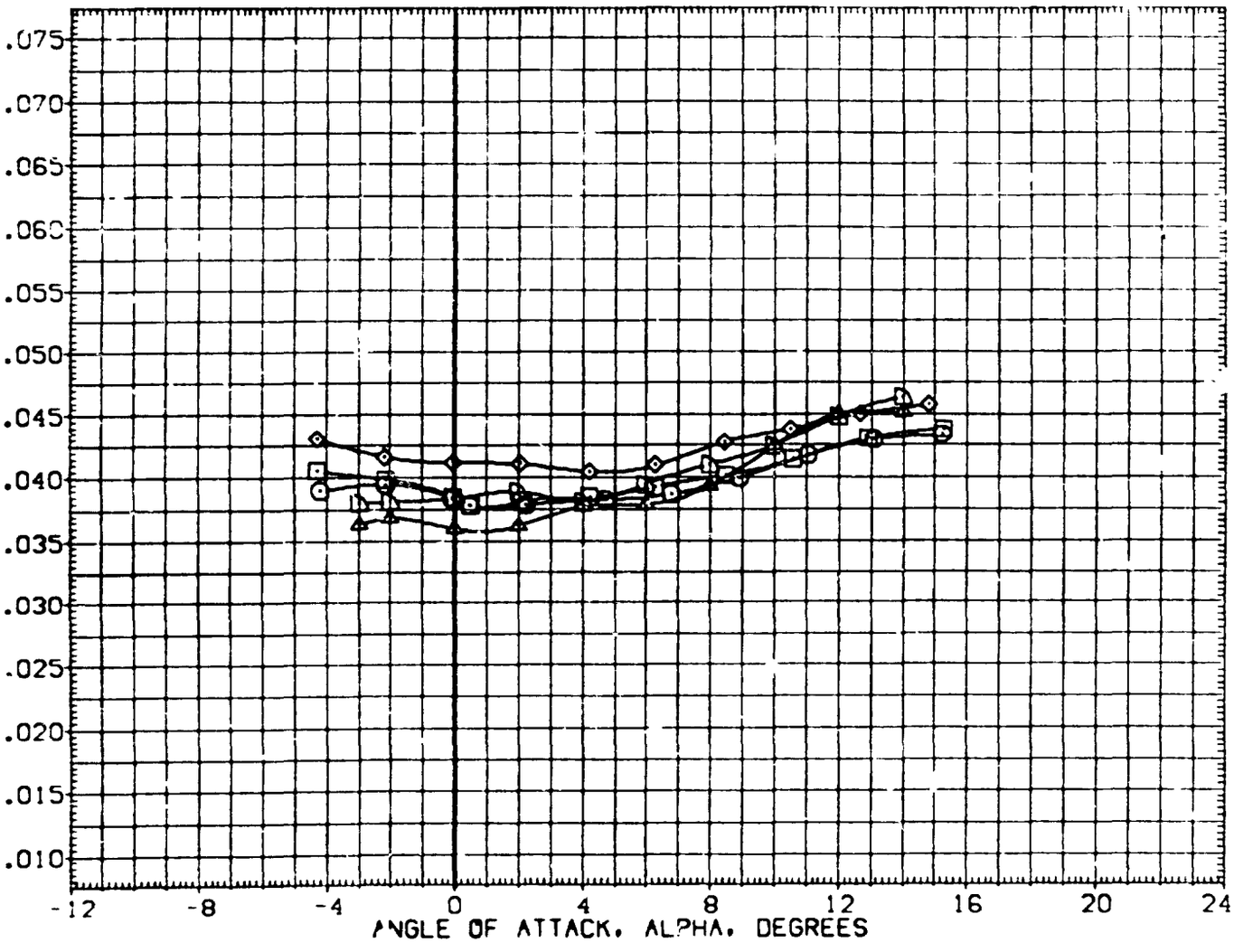


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(GER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(GER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(GER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(3ER019)	▷	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(3ER022)	◁	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(3ER023)	▽	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

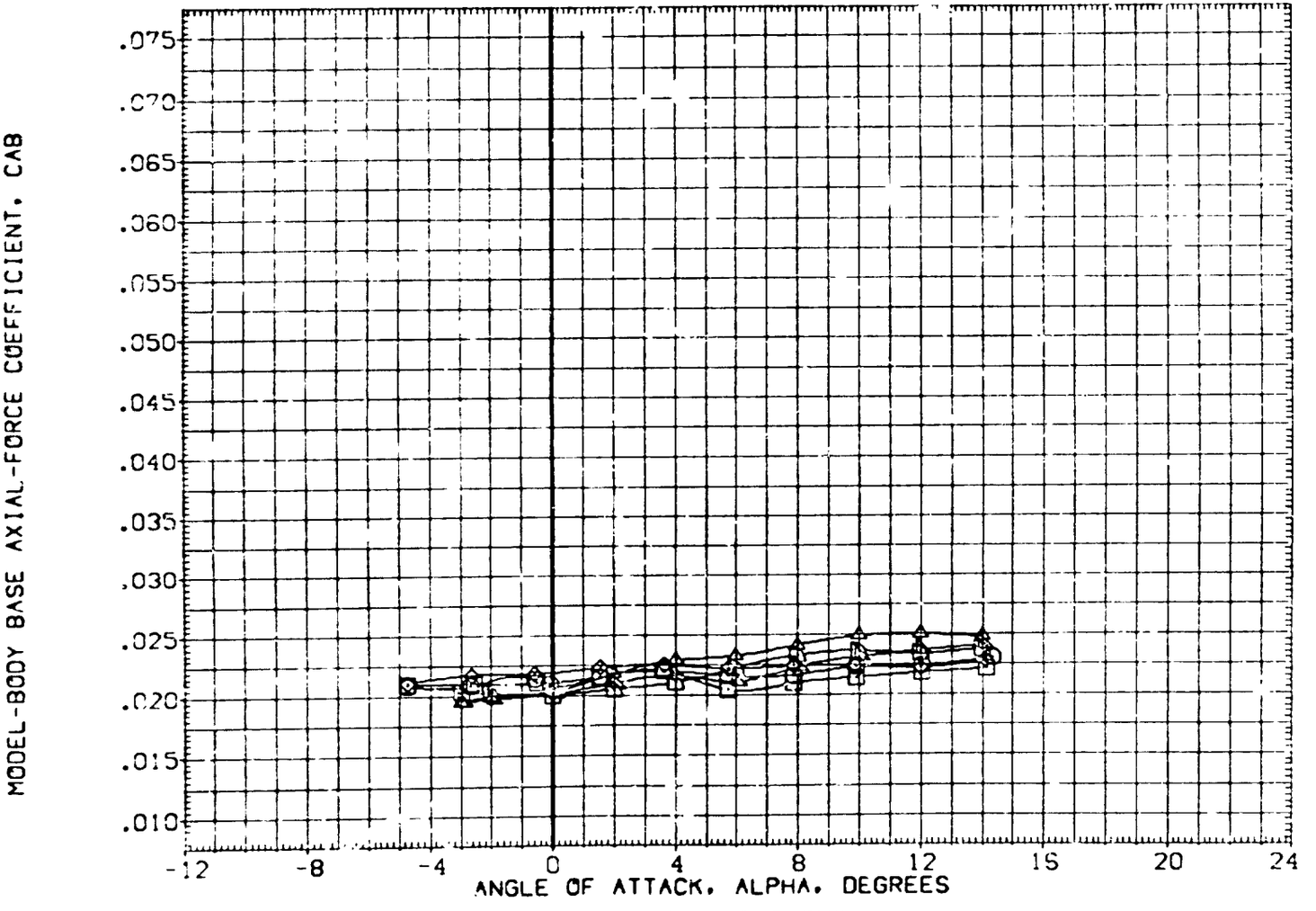


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

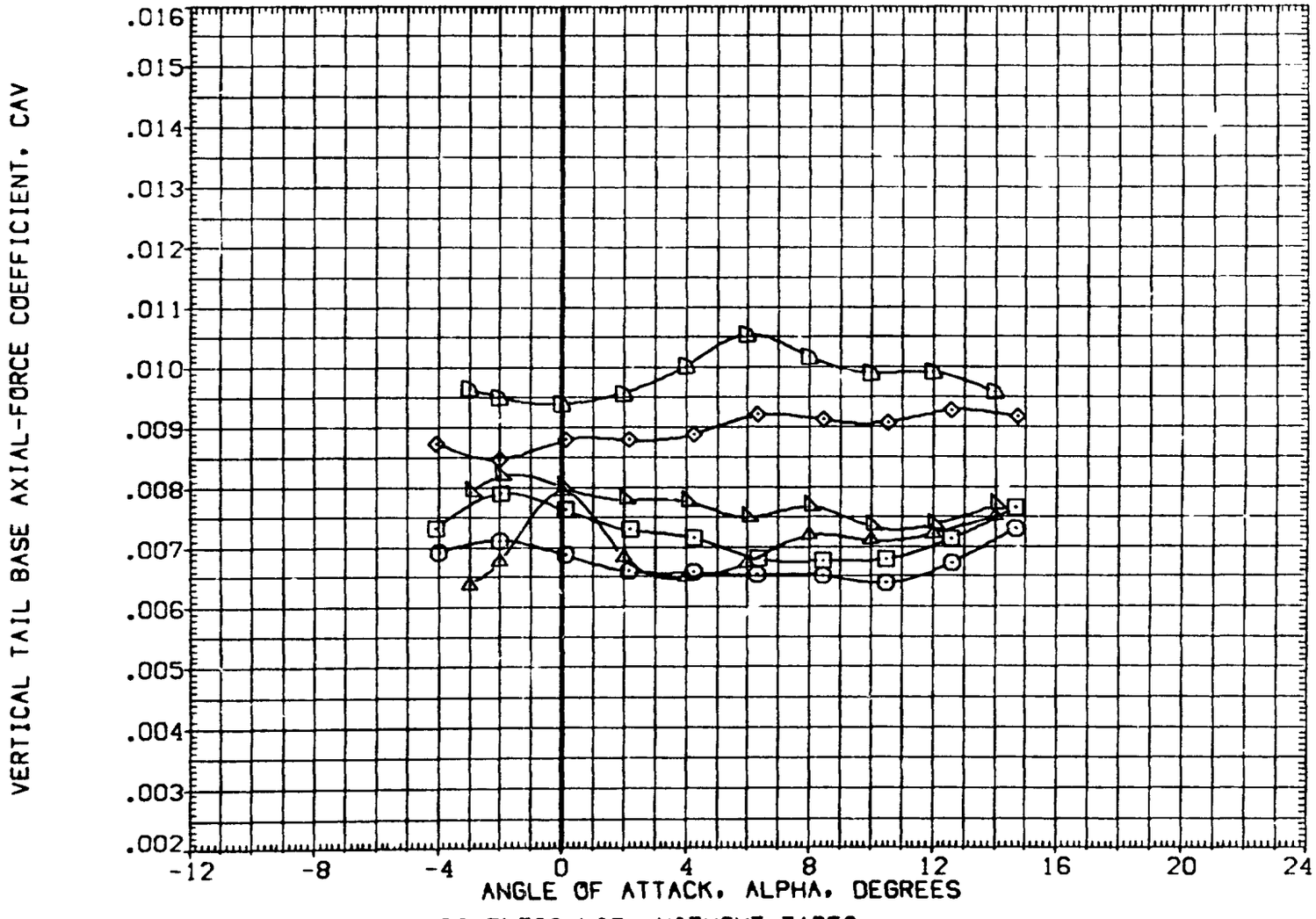


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	SDFLAP
(BER019)	□	DATA NOT AVAILABLE	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	◁	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	▷	DATA NOT AVAILABLE	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

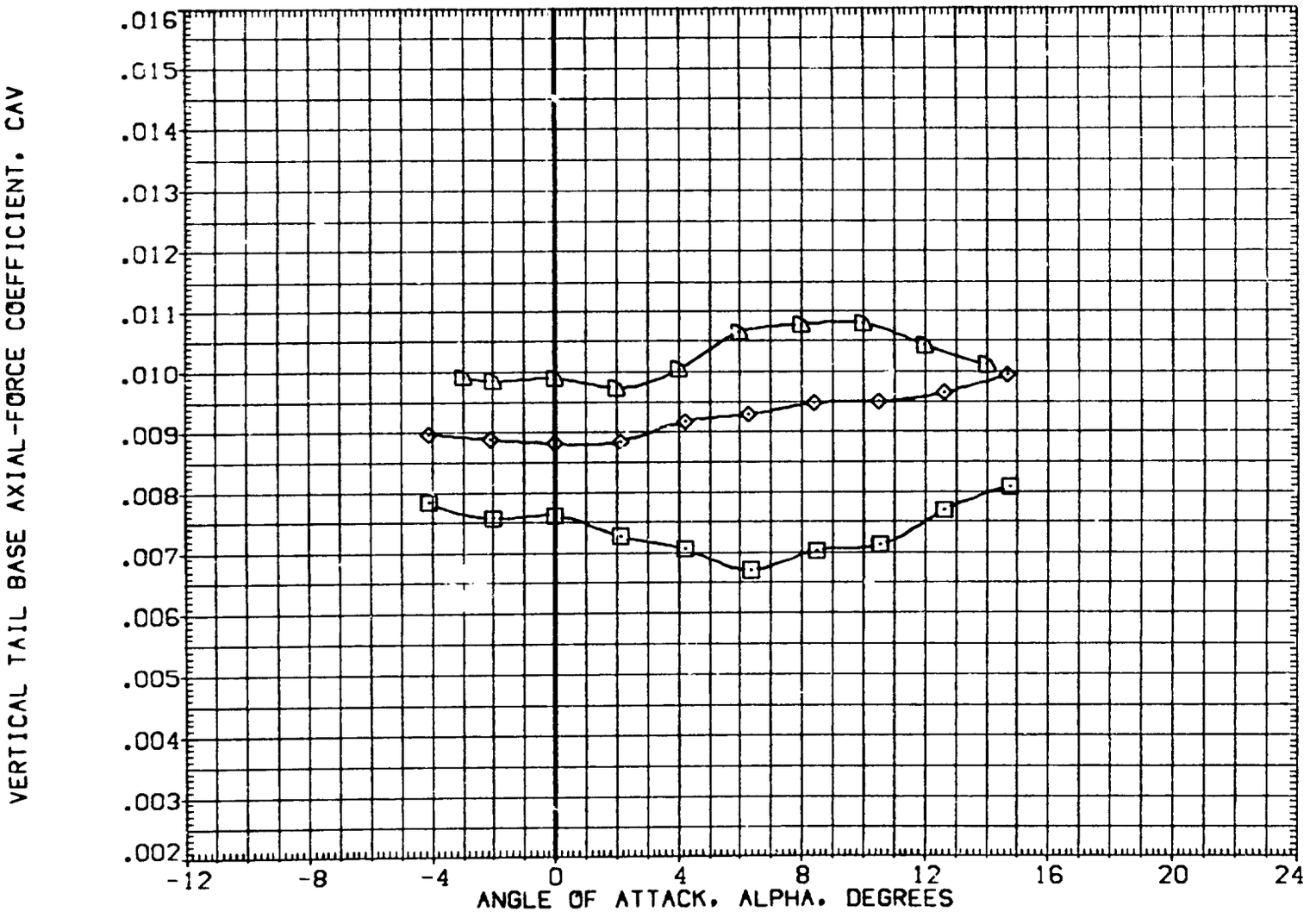


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

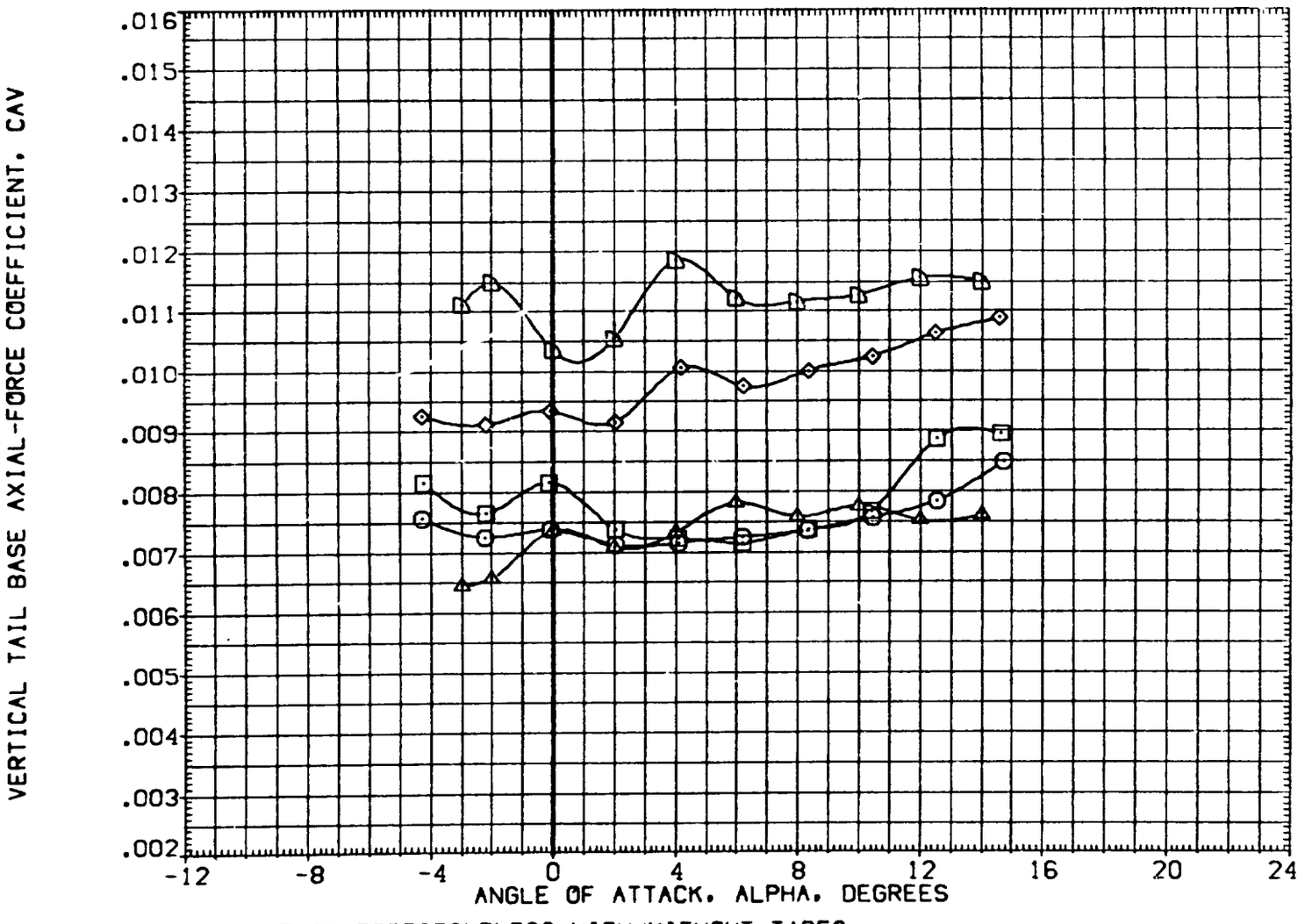


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(BER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(2ER023)	D	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

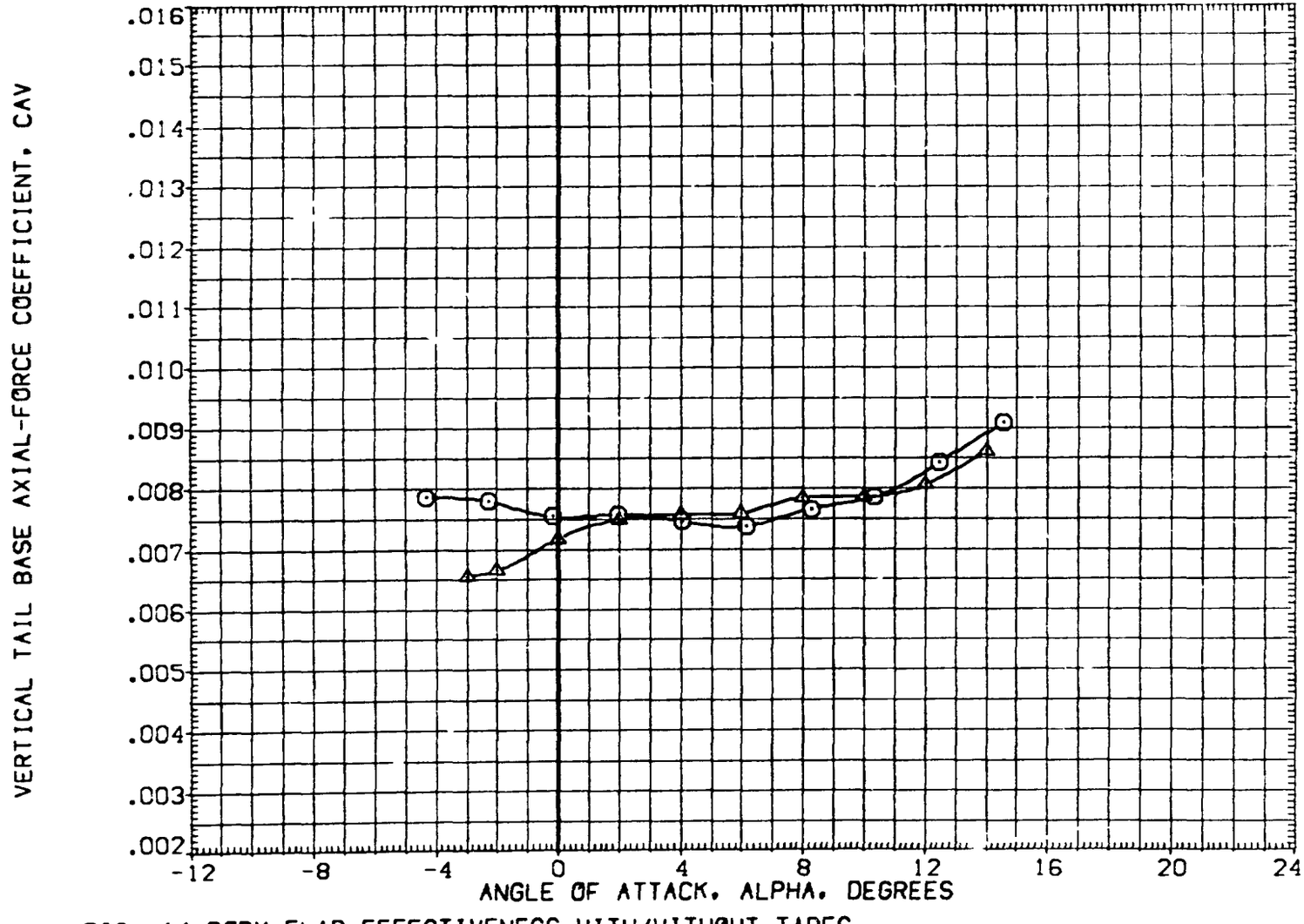


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	▽	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	◁	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)	▷	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

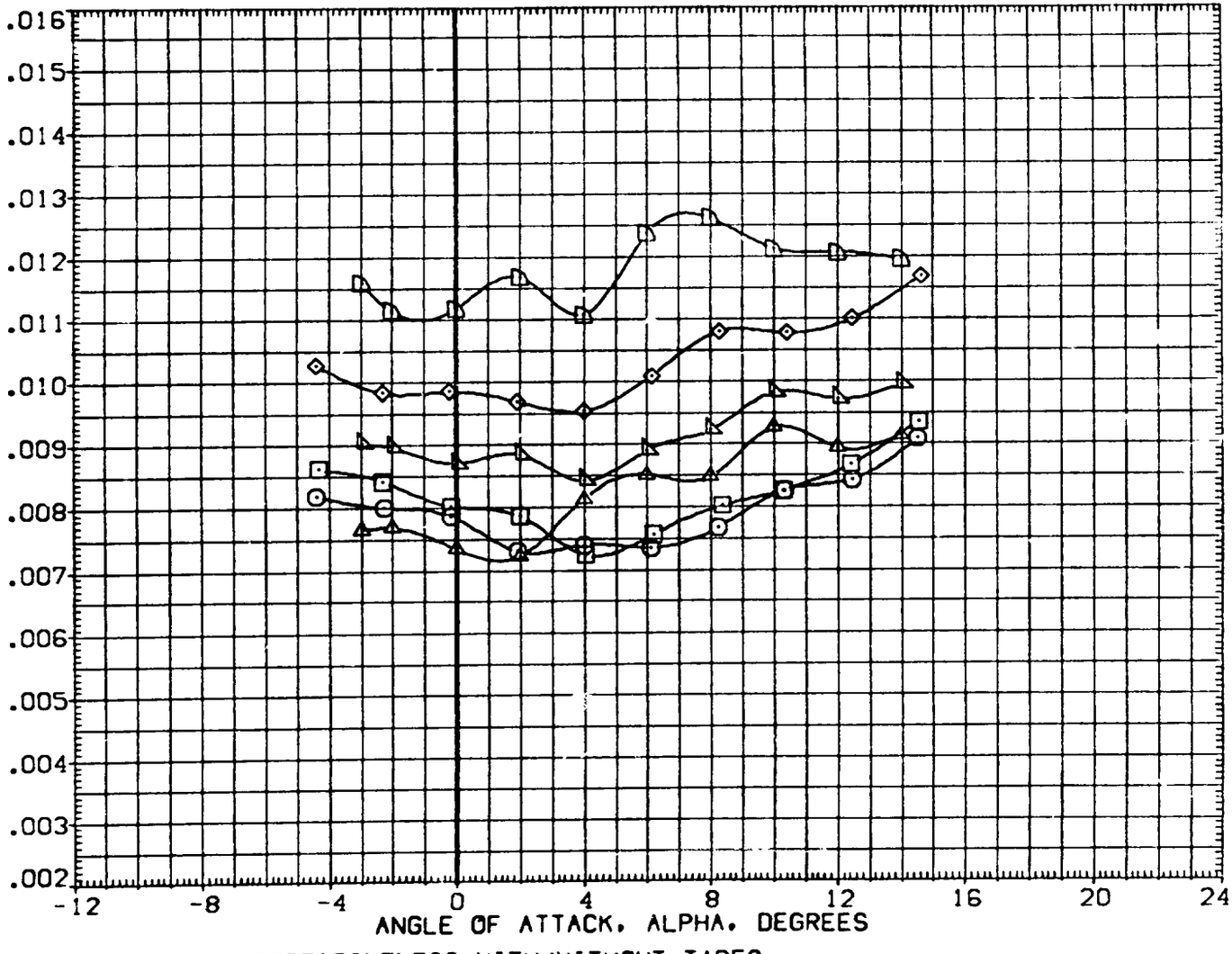


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	DATA NOT AVAILABLE	.000	.000	.000
(BER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▽	DATA NOT AVAILABLE	.000	.000	.000
(2ER023)	⊠	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

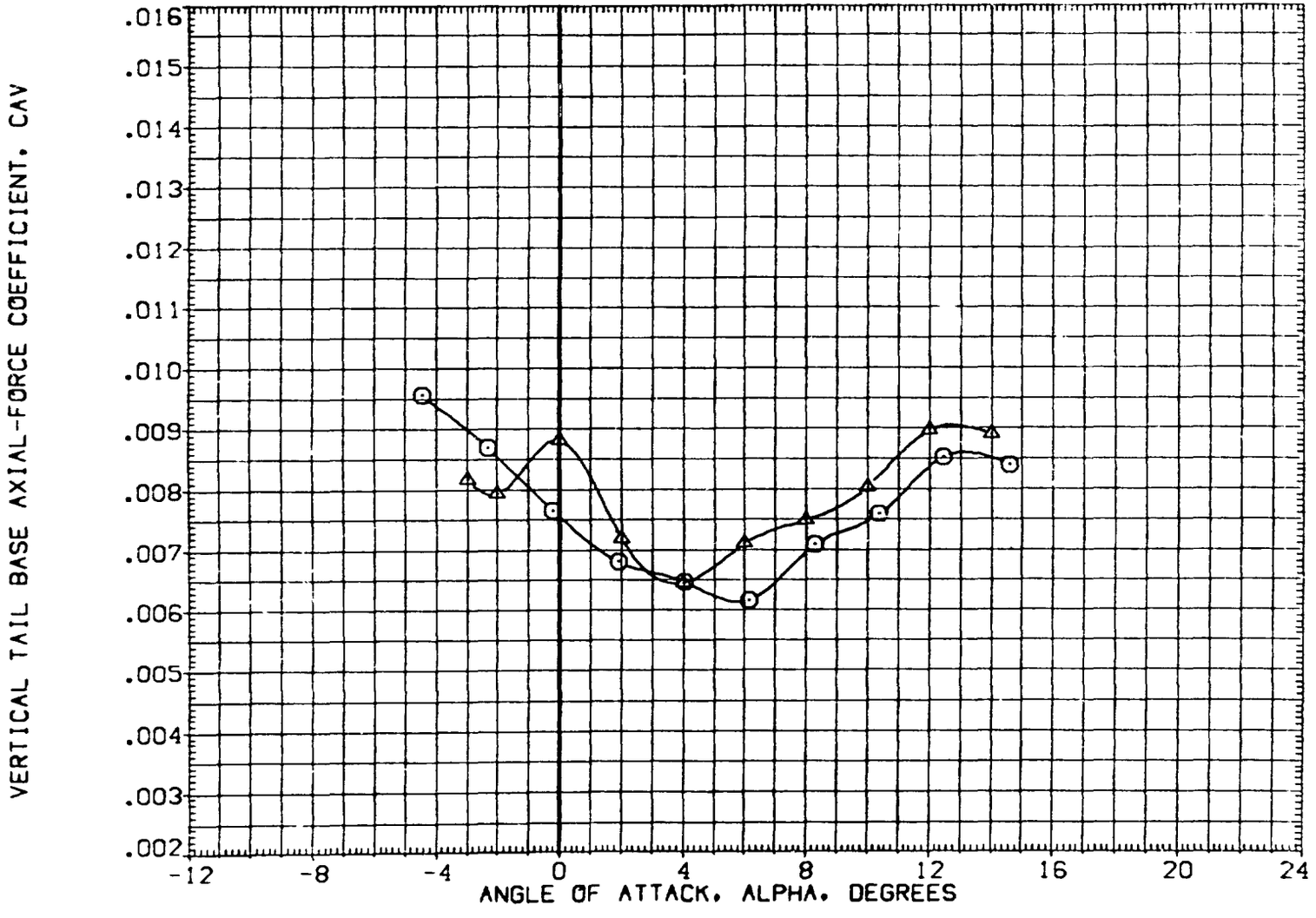


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

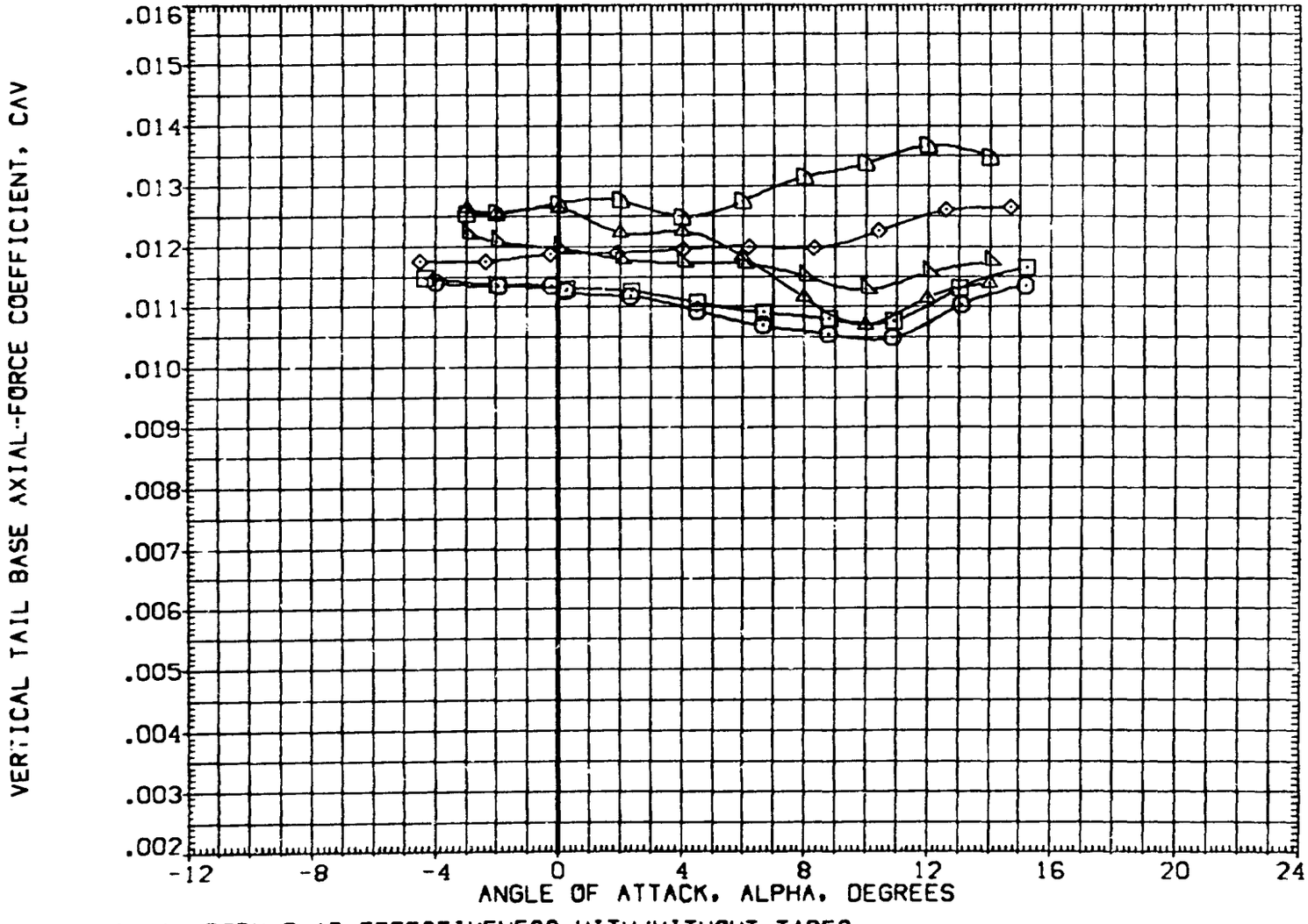


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

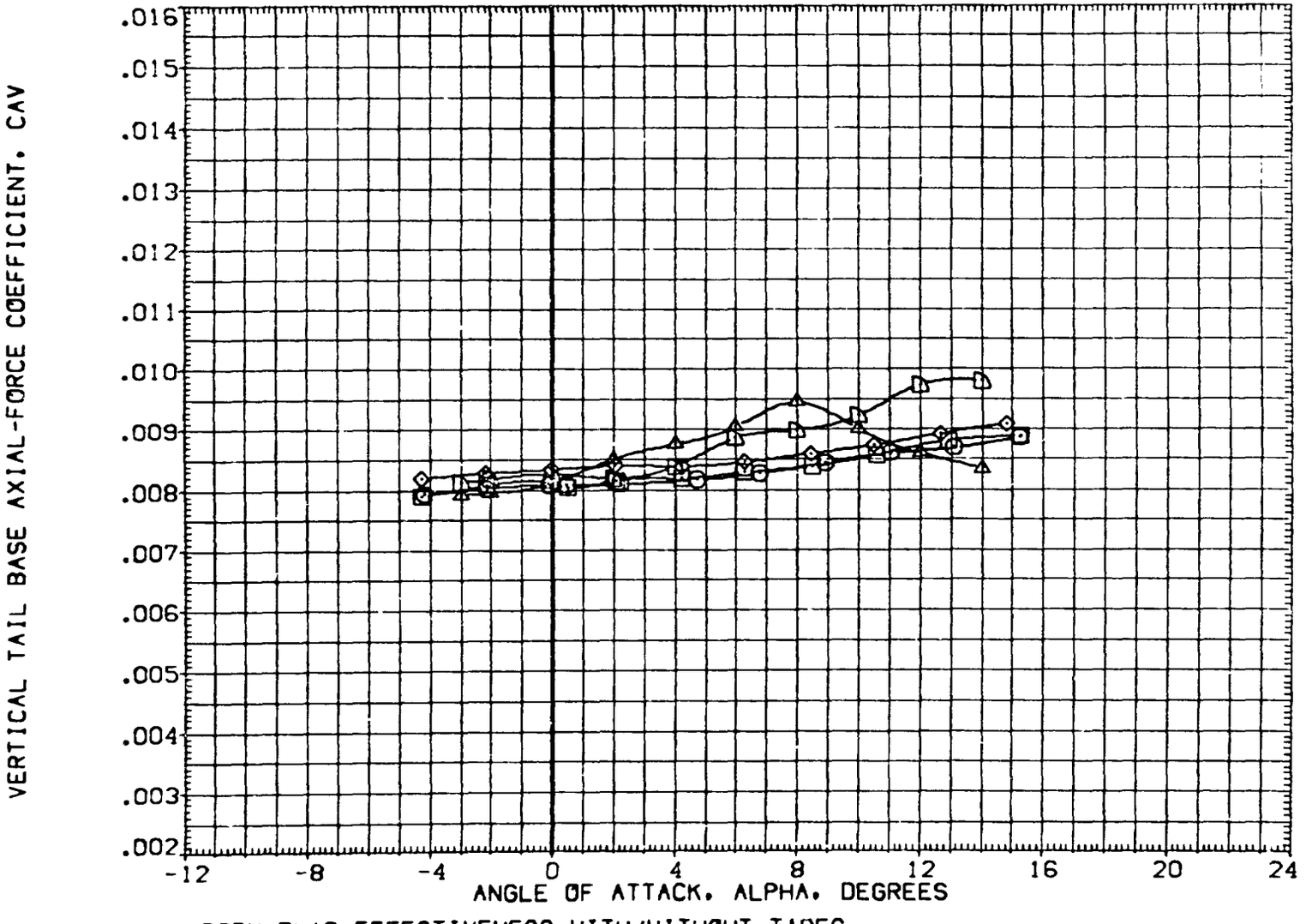


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	◁	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)	○	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

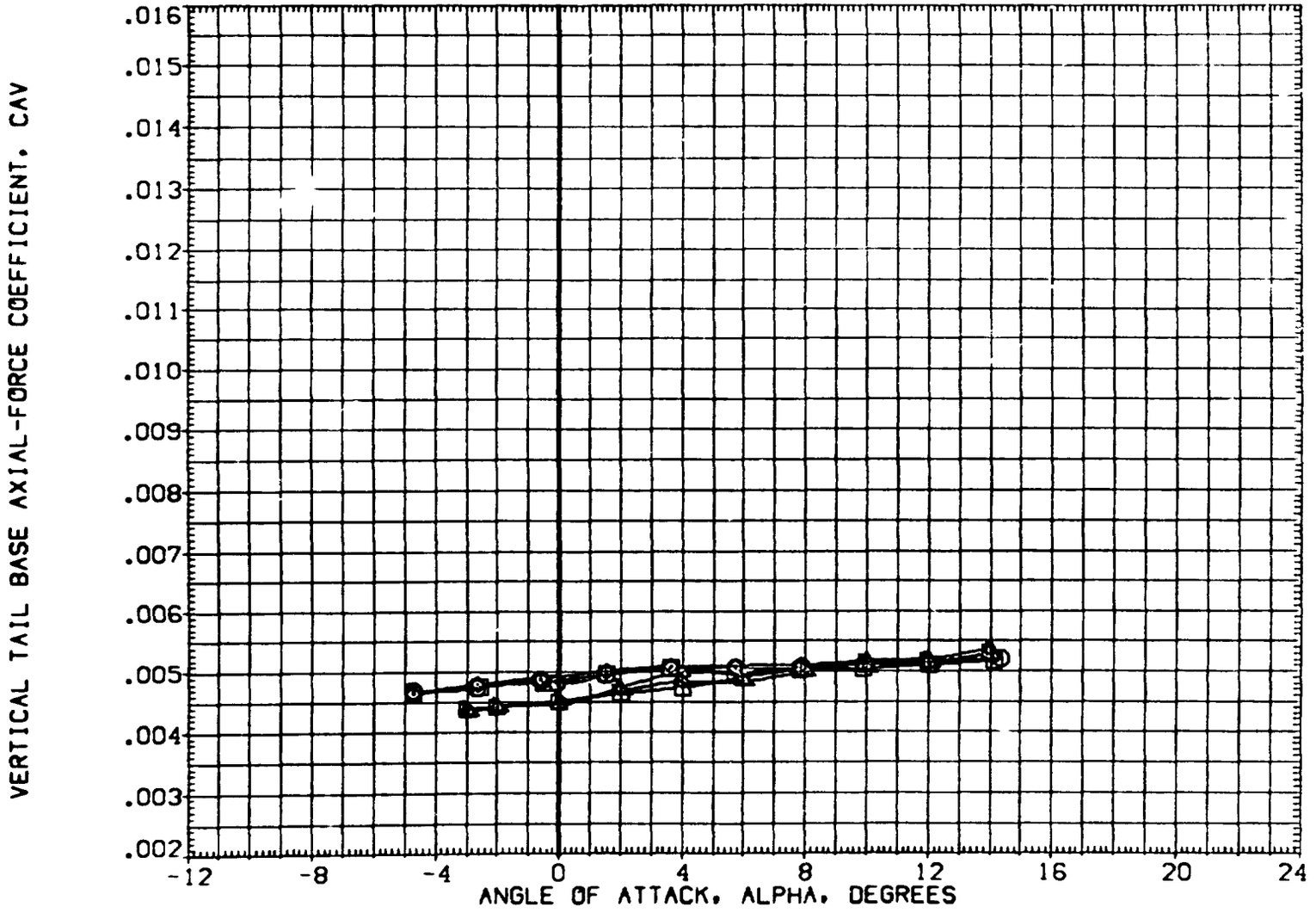


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZER019)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER022)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(ZER023)		ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

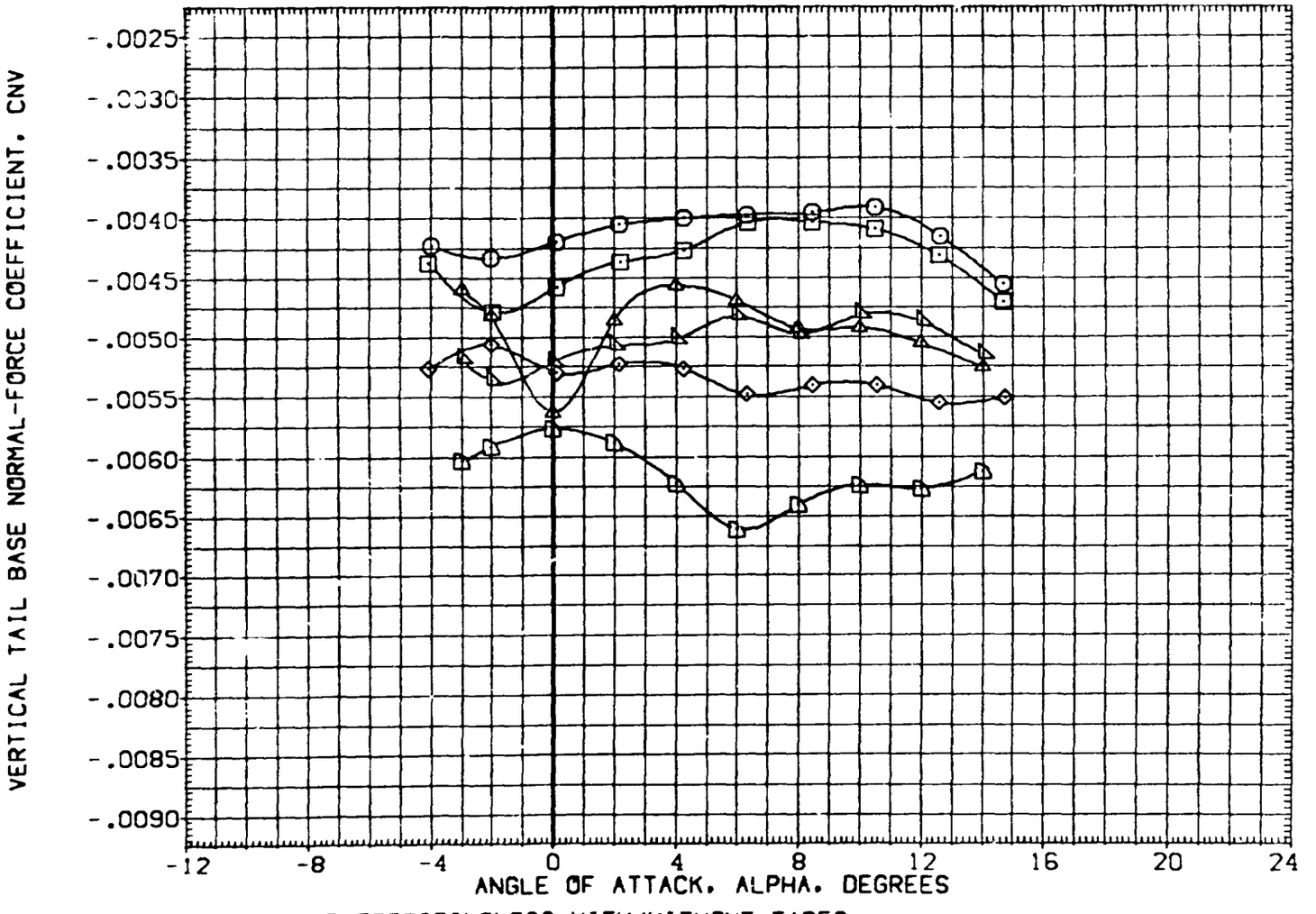


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(BER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	ARC 66-709 0A59 0A11A-(N21)	.000	.000	16.300
(ZER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(ZER022)	DATA NOT AVAILABLE	.000	.000	.000
(ZER023)	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

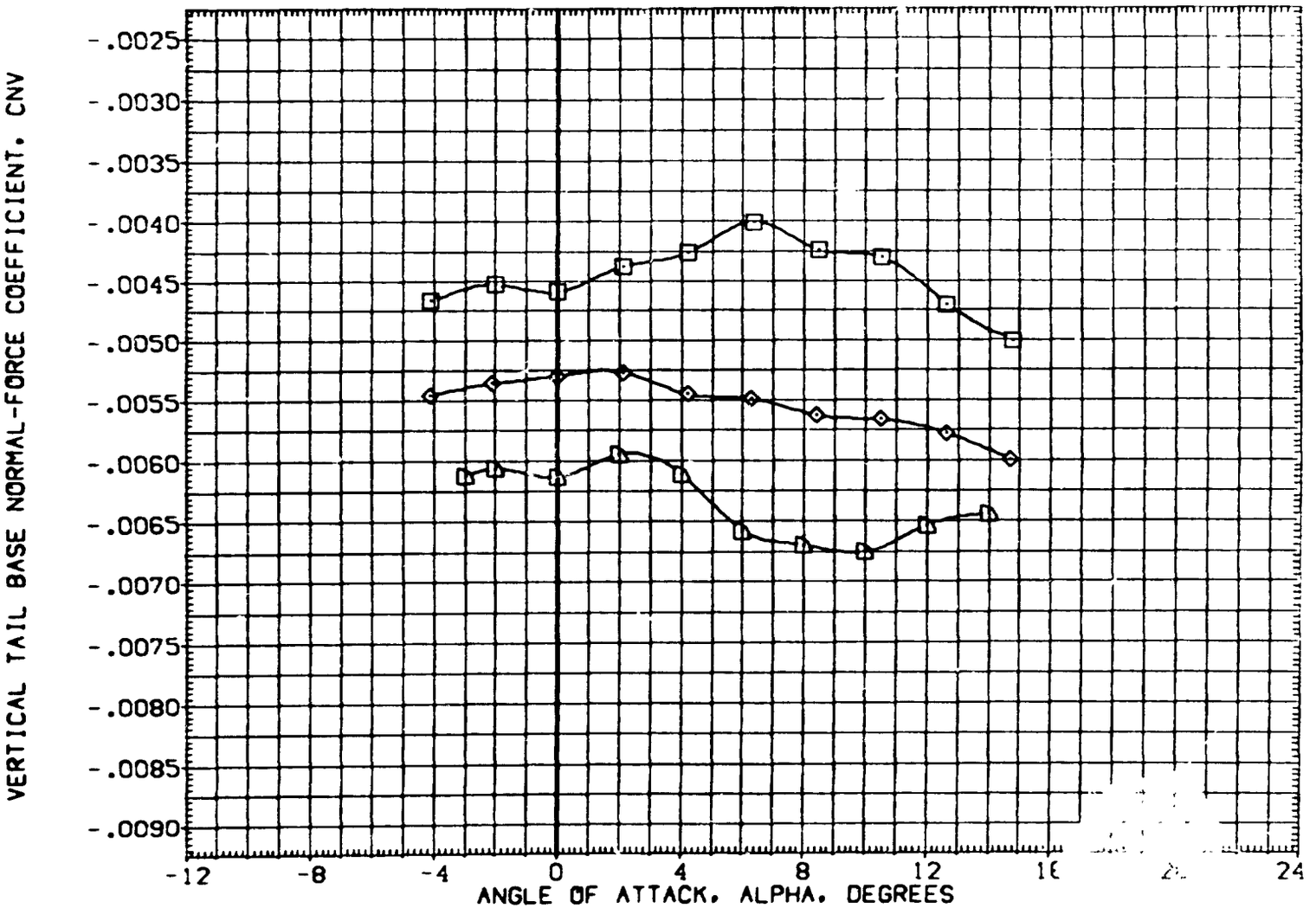


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

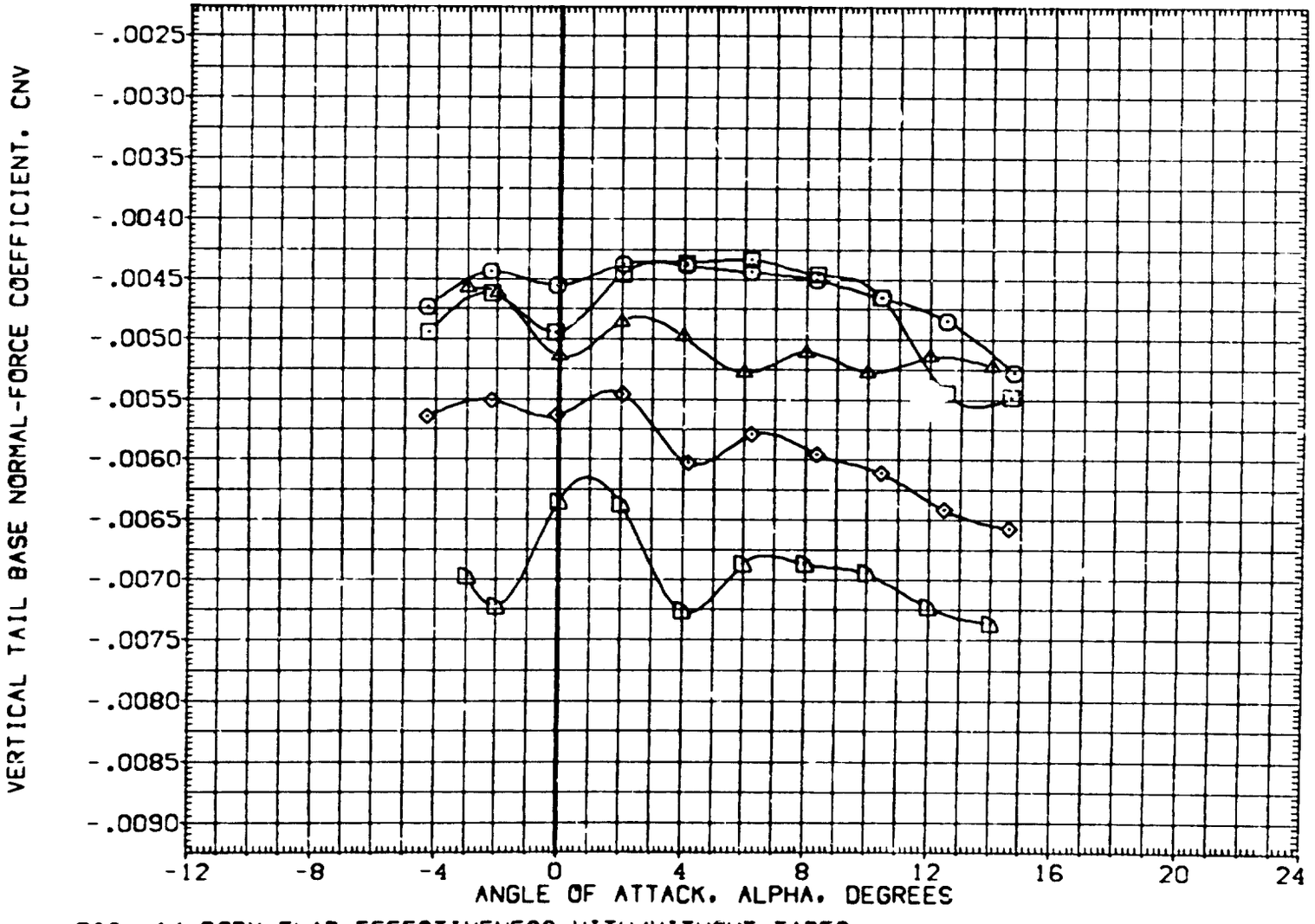


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BERO19)	ARC 66-708 BASE BA11A-(N24)	.000	.000	-11.700
(BERO22)	DATA NOT AVAILABLE	.000	.000	.000
(BERO23)	DATA NOT AVAILABLE	.000	.000	16.300
(ZERO19)	ARC 66-708 BASE BA11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO22)	DATA NOT AVAILABLE	.000	.000	.000
(ZERO23)	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

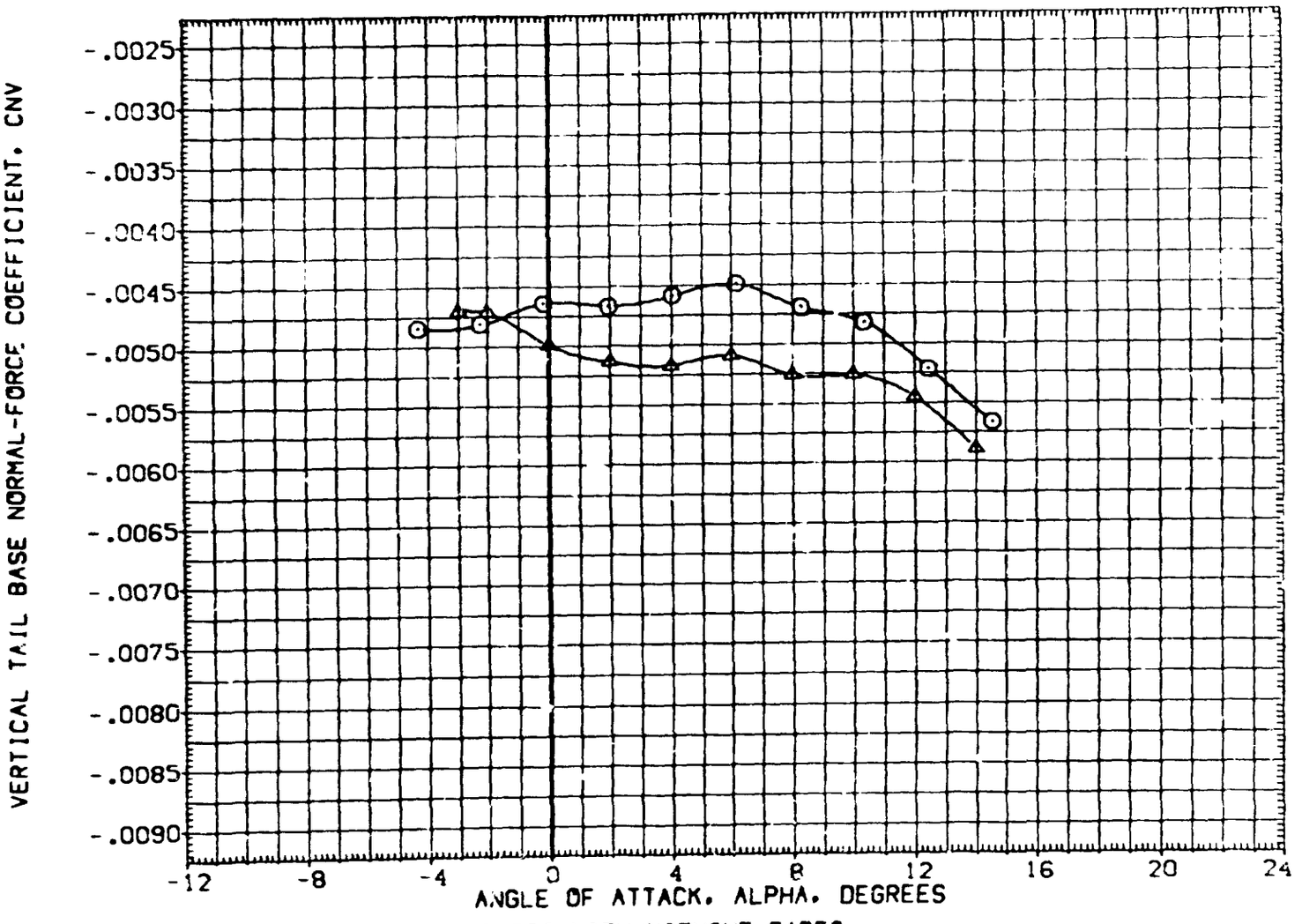


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	⊙	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

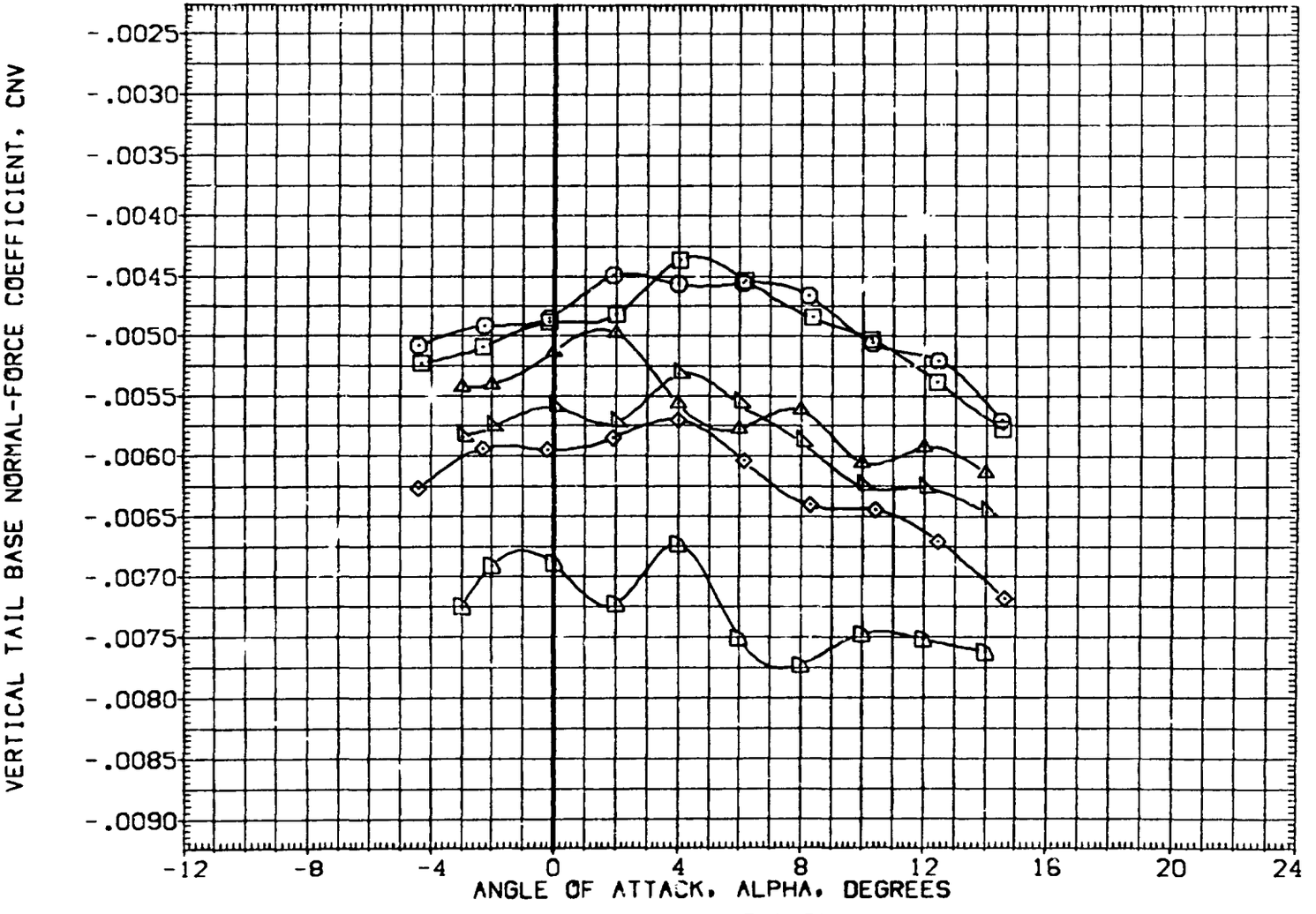


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		DATA NOT AVAILABLE	.000	.000	.000
(BER023)		DATA NOT AVAILABLE	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

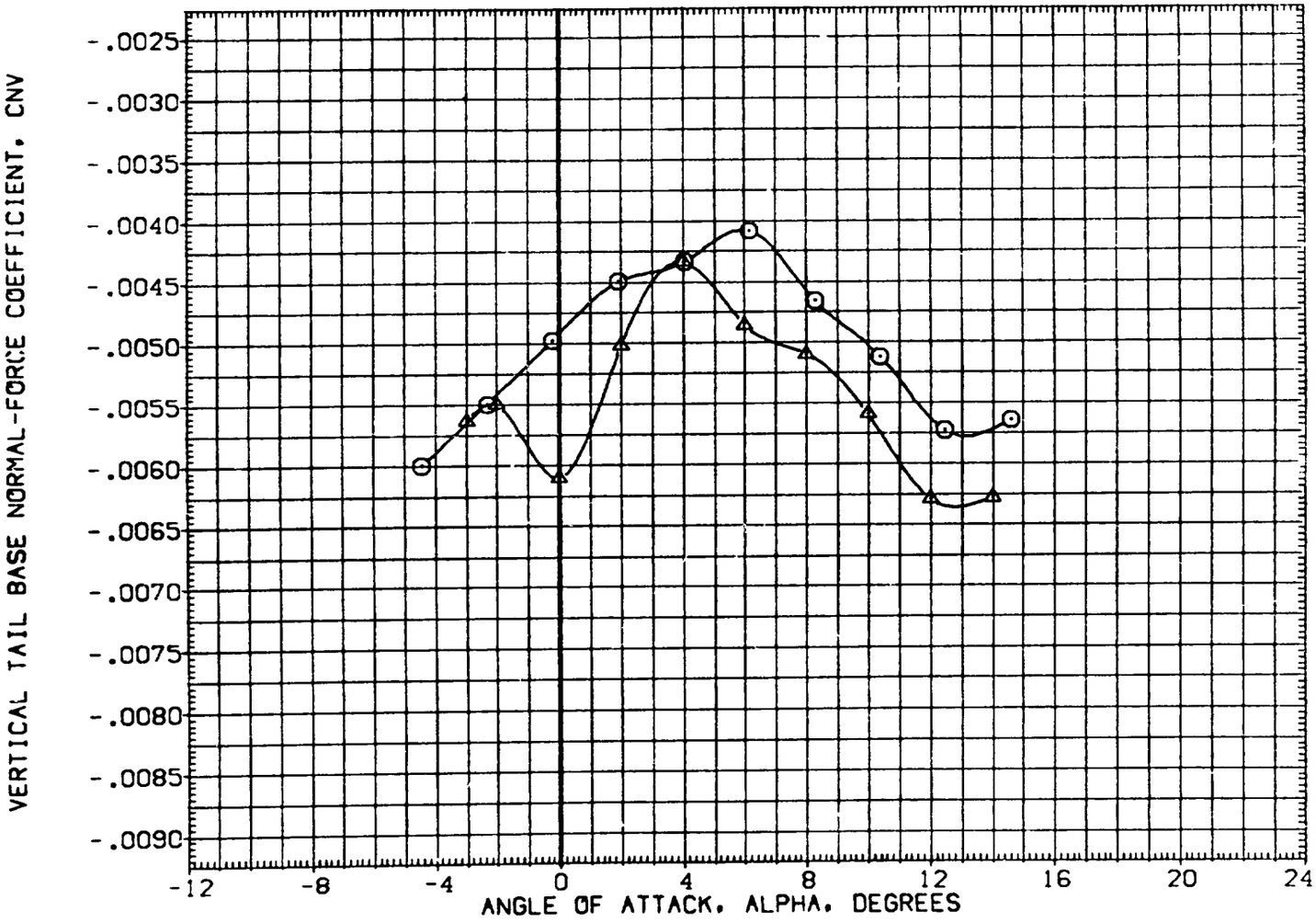


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

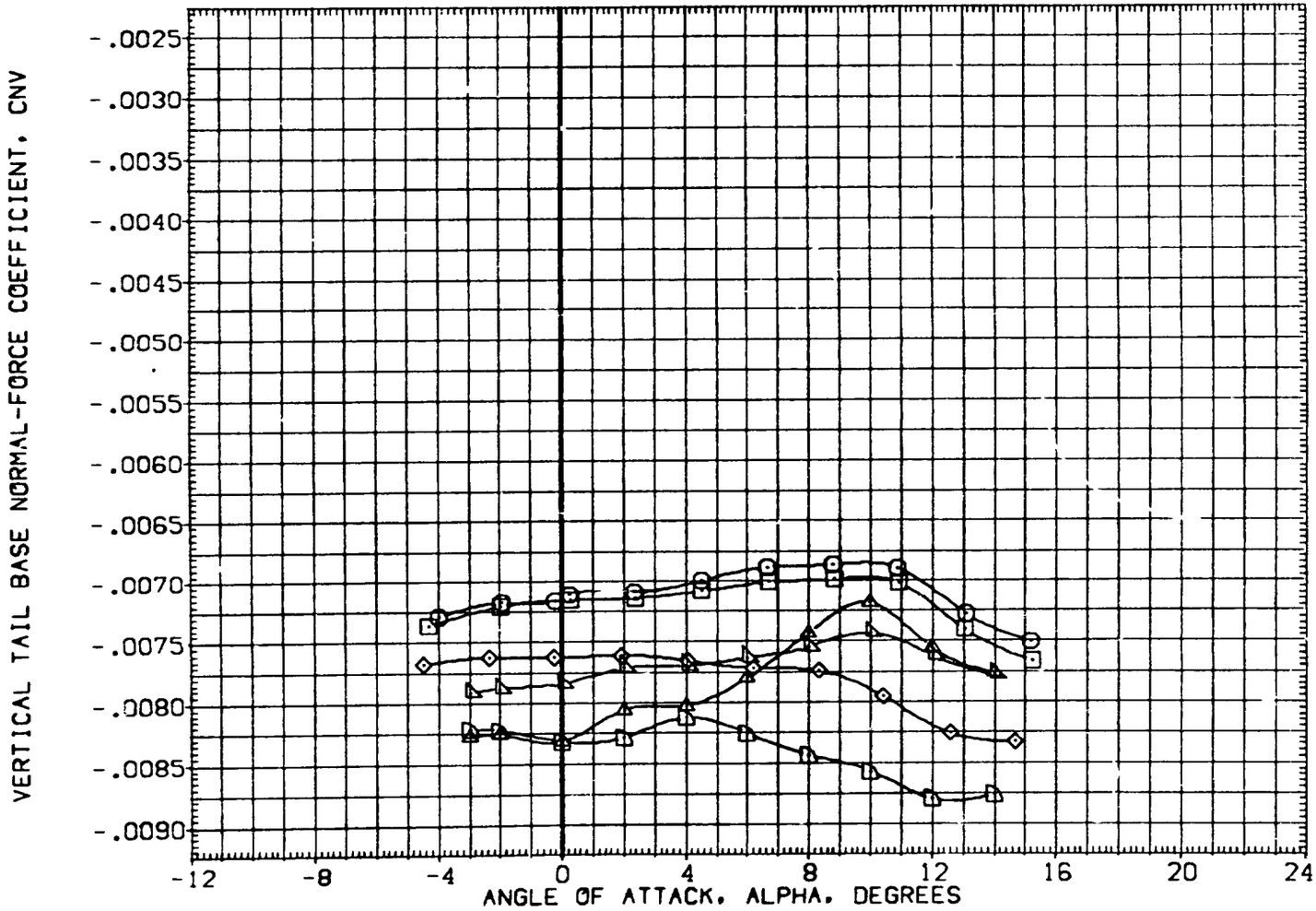


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(2ER023)	D	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN
ZMRP	-.3750	IN.
SCALE	.0150	

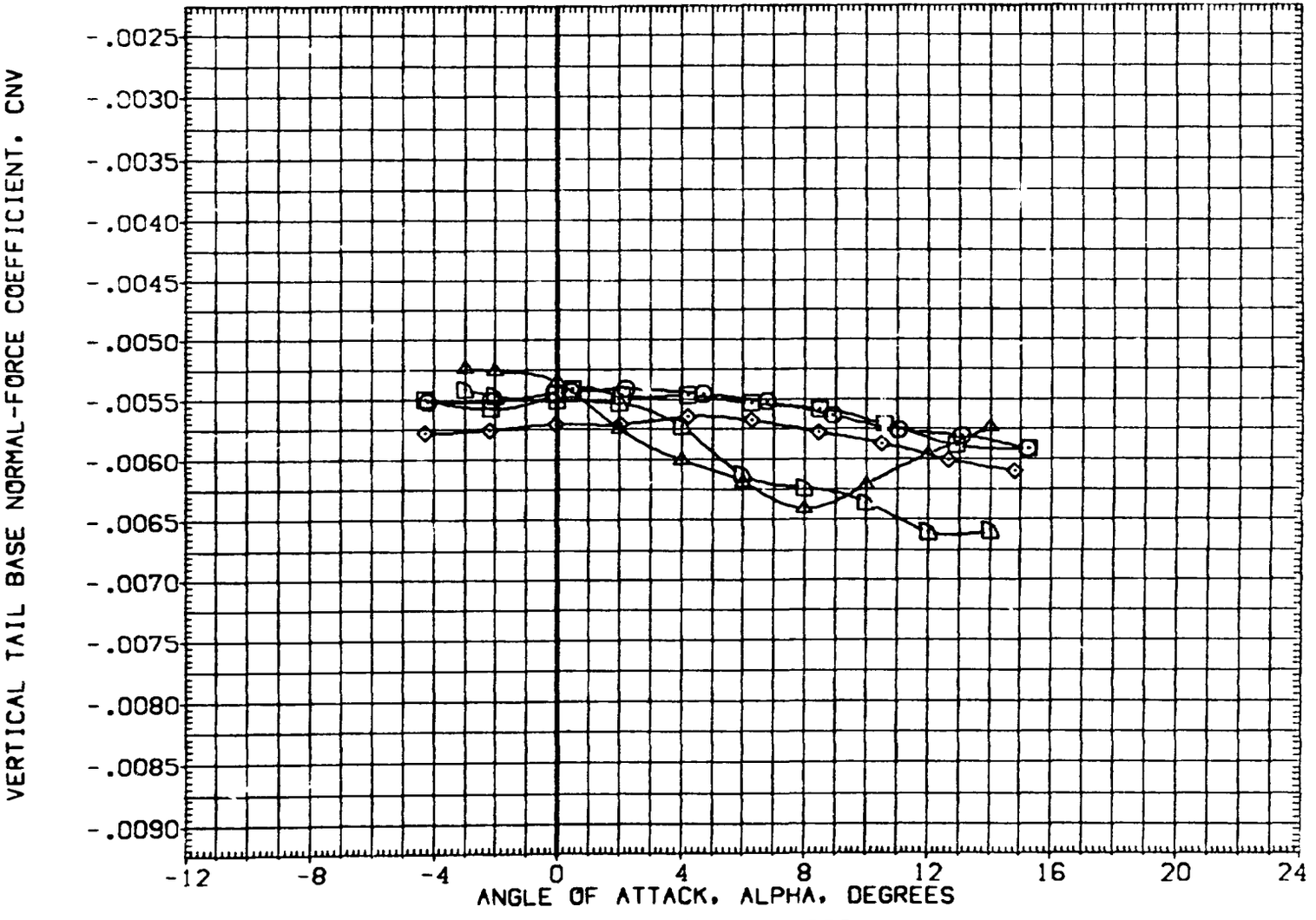


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▽	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)	▷	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ. FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

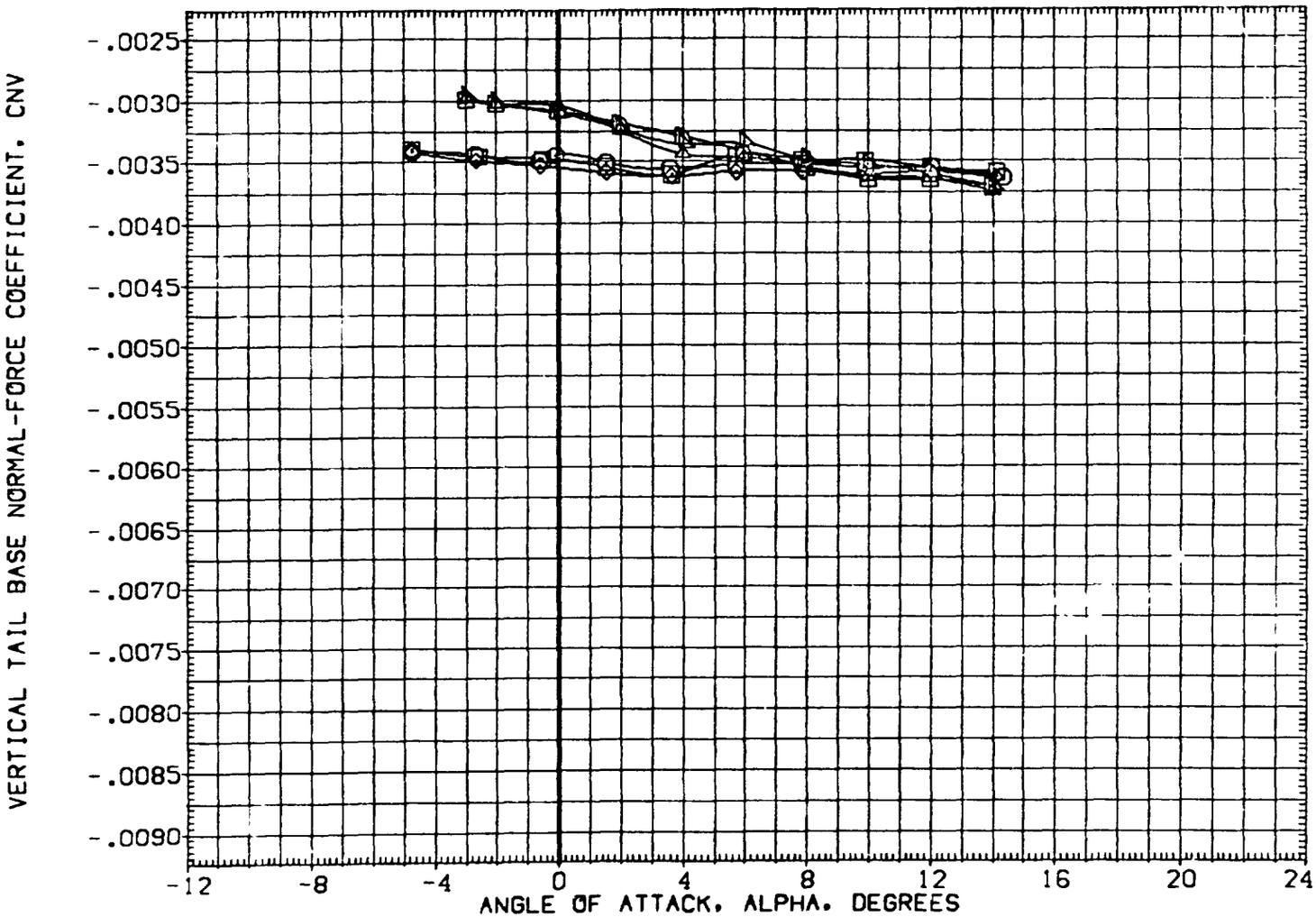


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

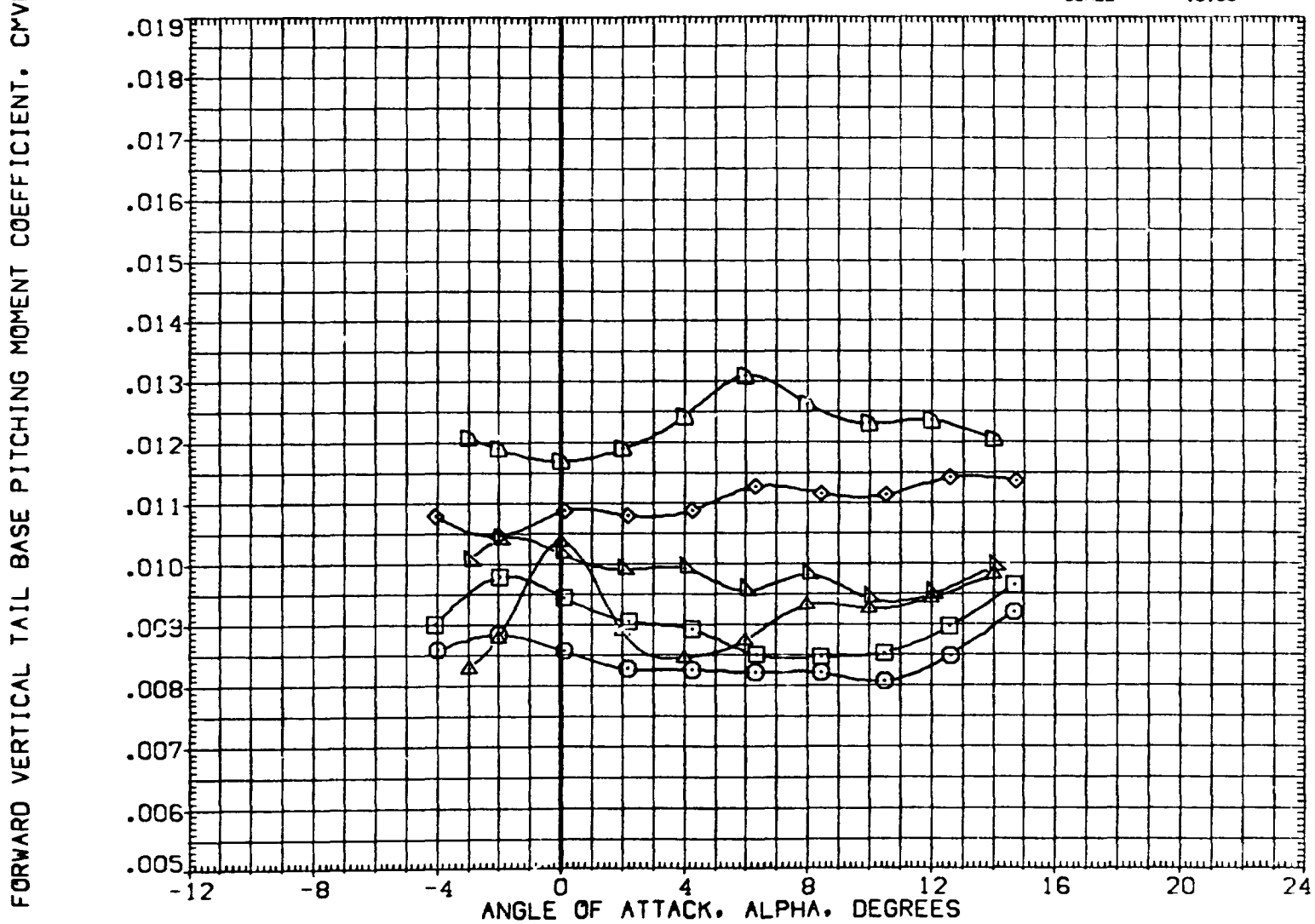


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)		DATA NOT AVAILABLE	.000	.000	-11.700
(BERO22)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BERO23)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ERO19)		DATA NOT AVAILABLE	.000	.000	-11.700
(2ERO22)		DATA NOT AVAILABLE	.000	.000	.000
(2ERO23)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

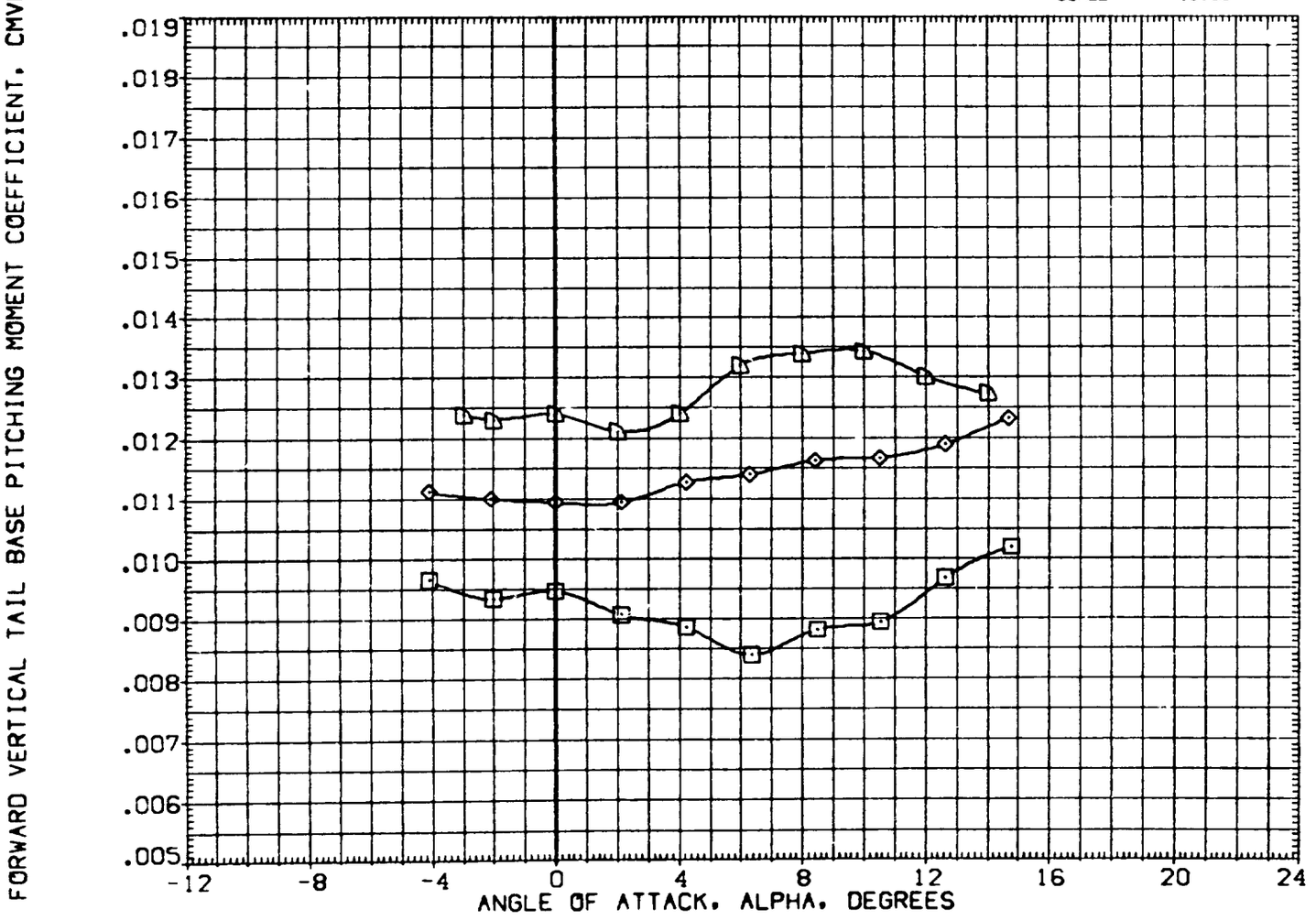


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZER019)	⊡	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER022)	⊠	DATA NOT AVAILABLE	.000	.000	.000
(ZER023)	▽	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5936	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

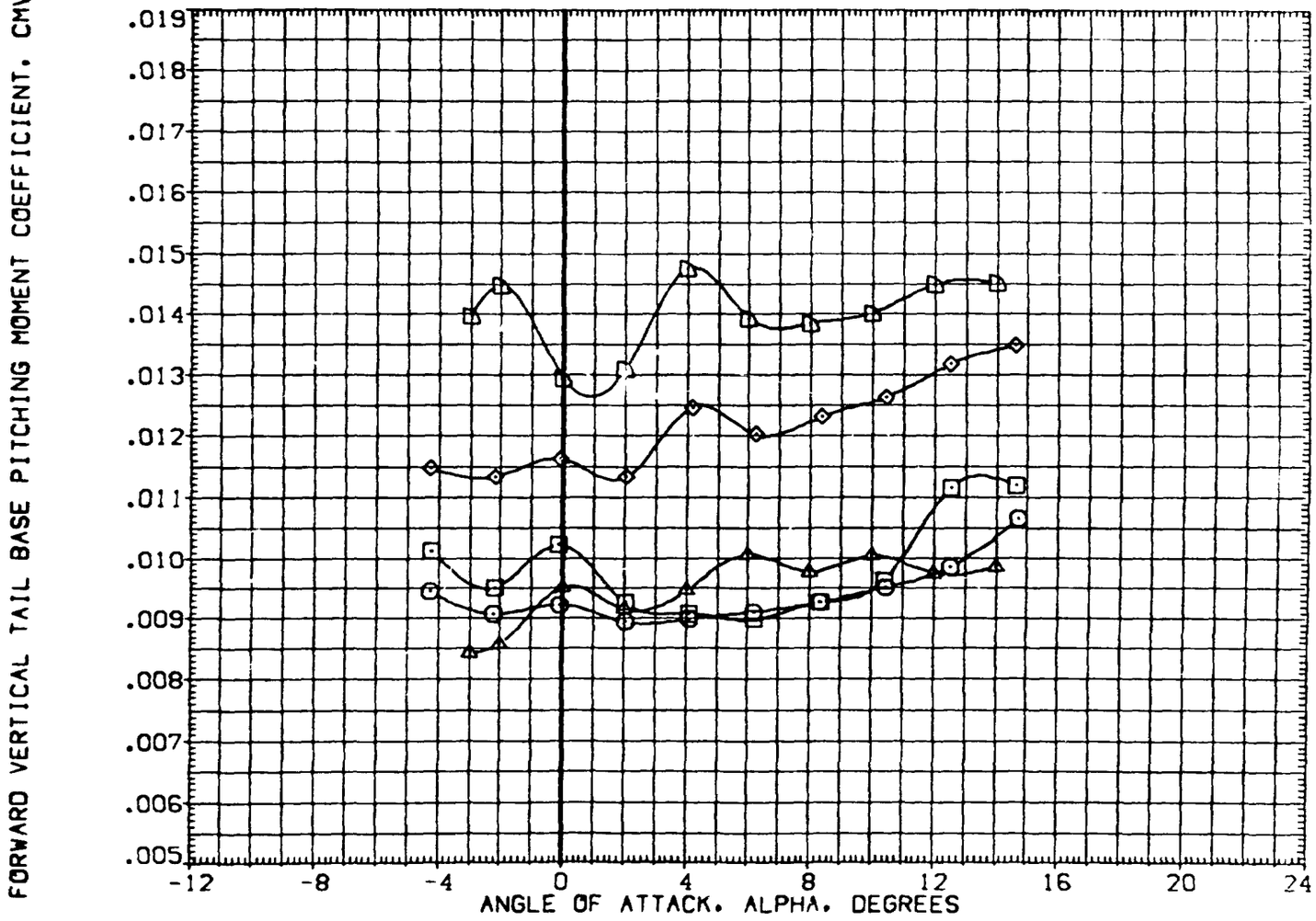


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MACH = .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO22)		DATA NOT AVAILABLE	.000	.000	.000
(BERO23)		DATA NOT AVAILABLE	.000	.000	16.300
(2ERO19)		ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ERO22)		DATA NOT AVAILABLE	.000	.000	.000
(2ERO23)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

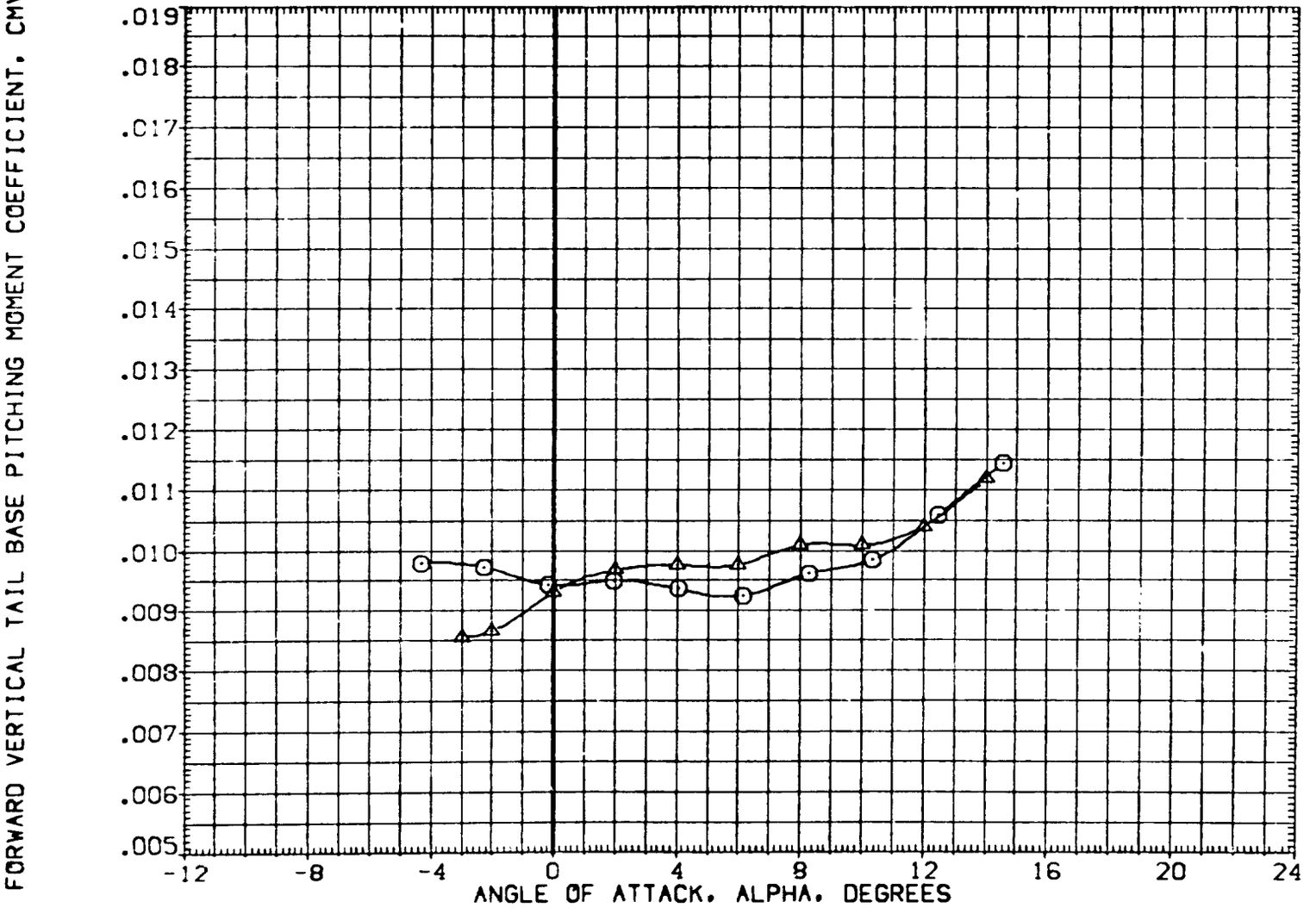


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MACH = .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZER019)	▽	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER022)	⊡	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(ZER023)	⊙	ARC 66-709 0A59 0111A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

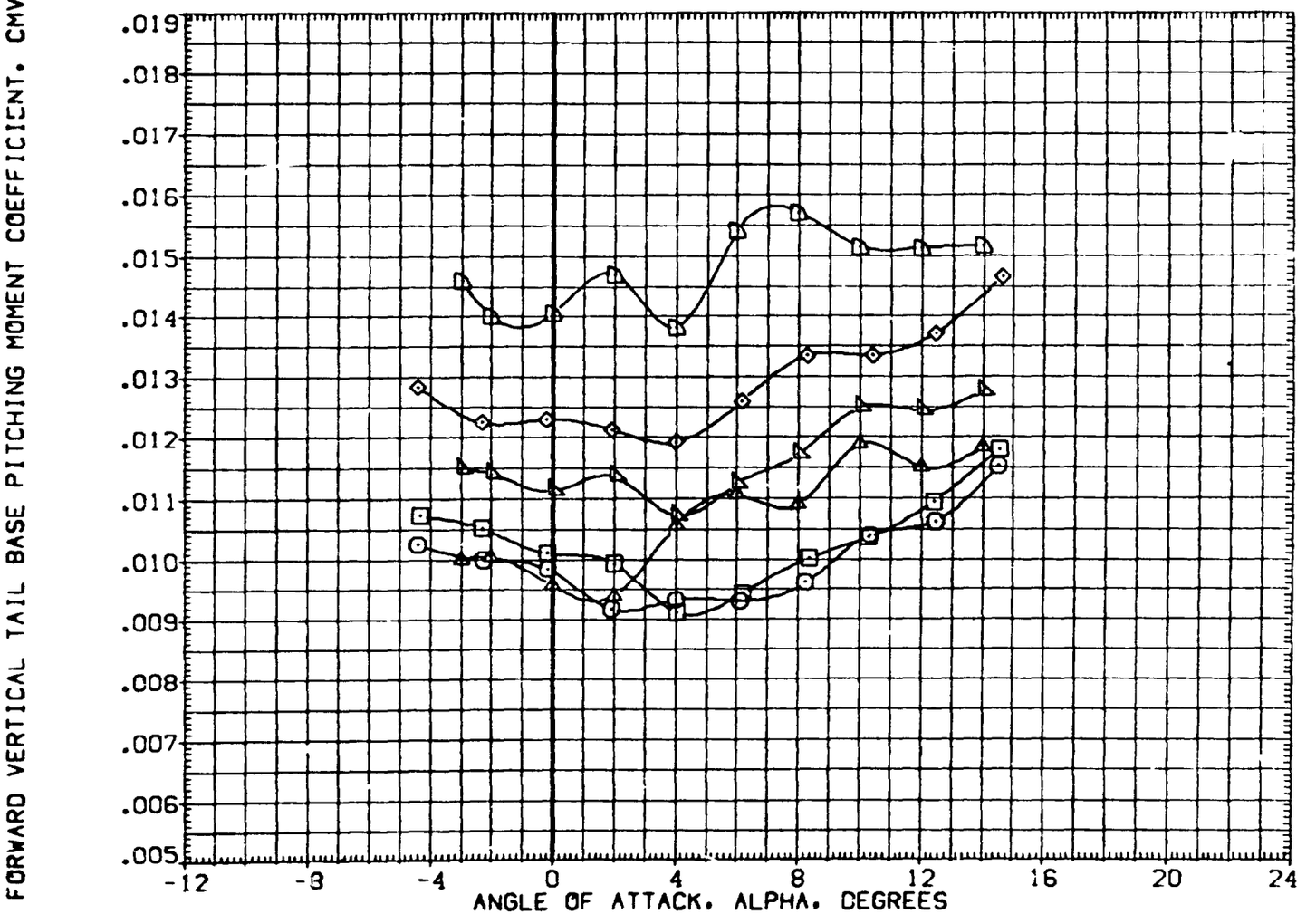


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A58 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(BER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(ZERC19)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO22)	▽	DATA NOT AVAILABLE	.000	.000	.000
(ZERO23)	◁	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

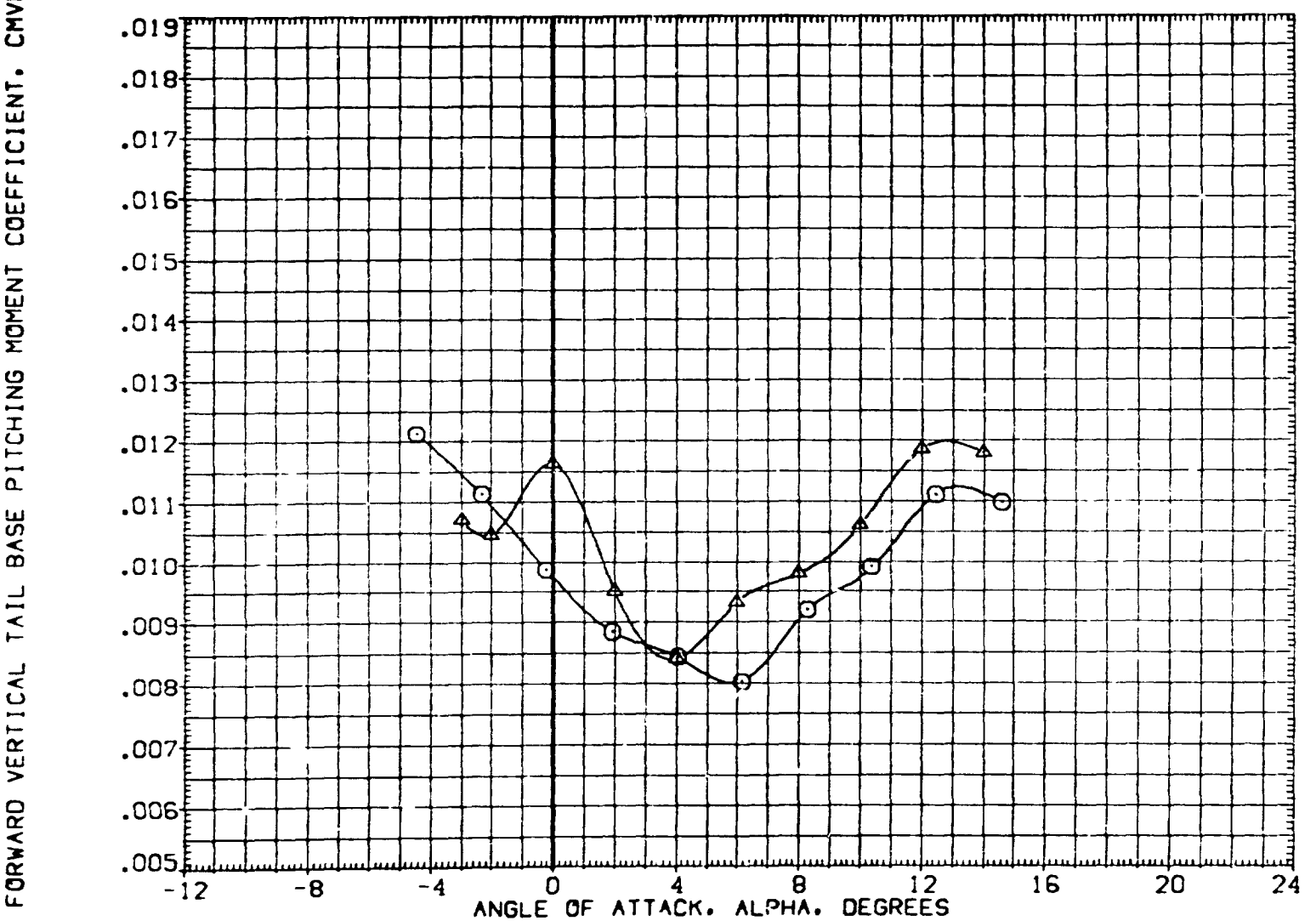


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZER019)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER022)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(ZER023)		ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

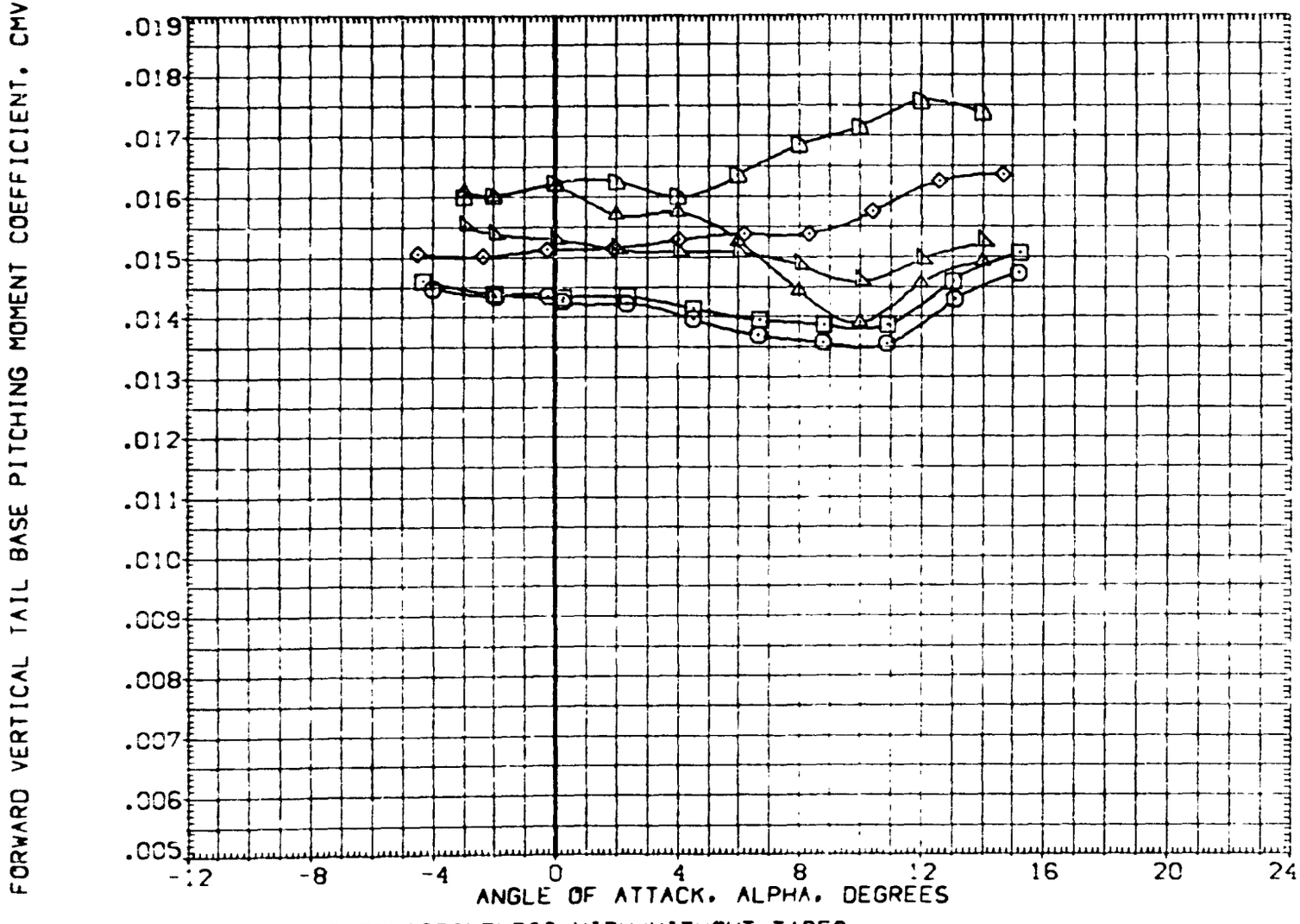


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZER019)	⊠	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZER022)	⊗	DATA NOT AVAILABLE	.000	.000	.000
(ZER023)	▽	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3756	IN.
SCALE	.0150	

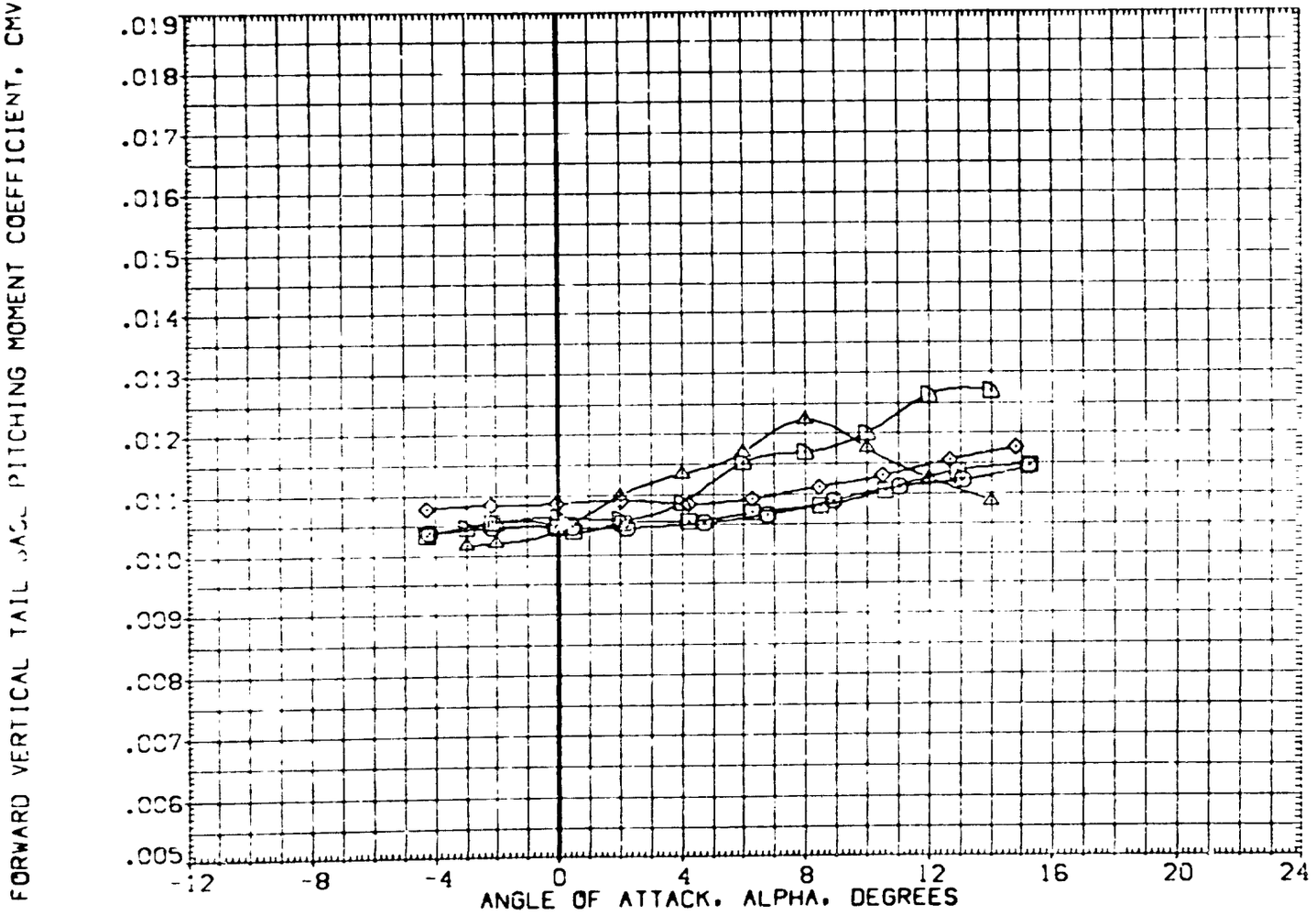


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(-)MACH - 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(*R019)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(*R022)	◇	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(*R023)	△	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

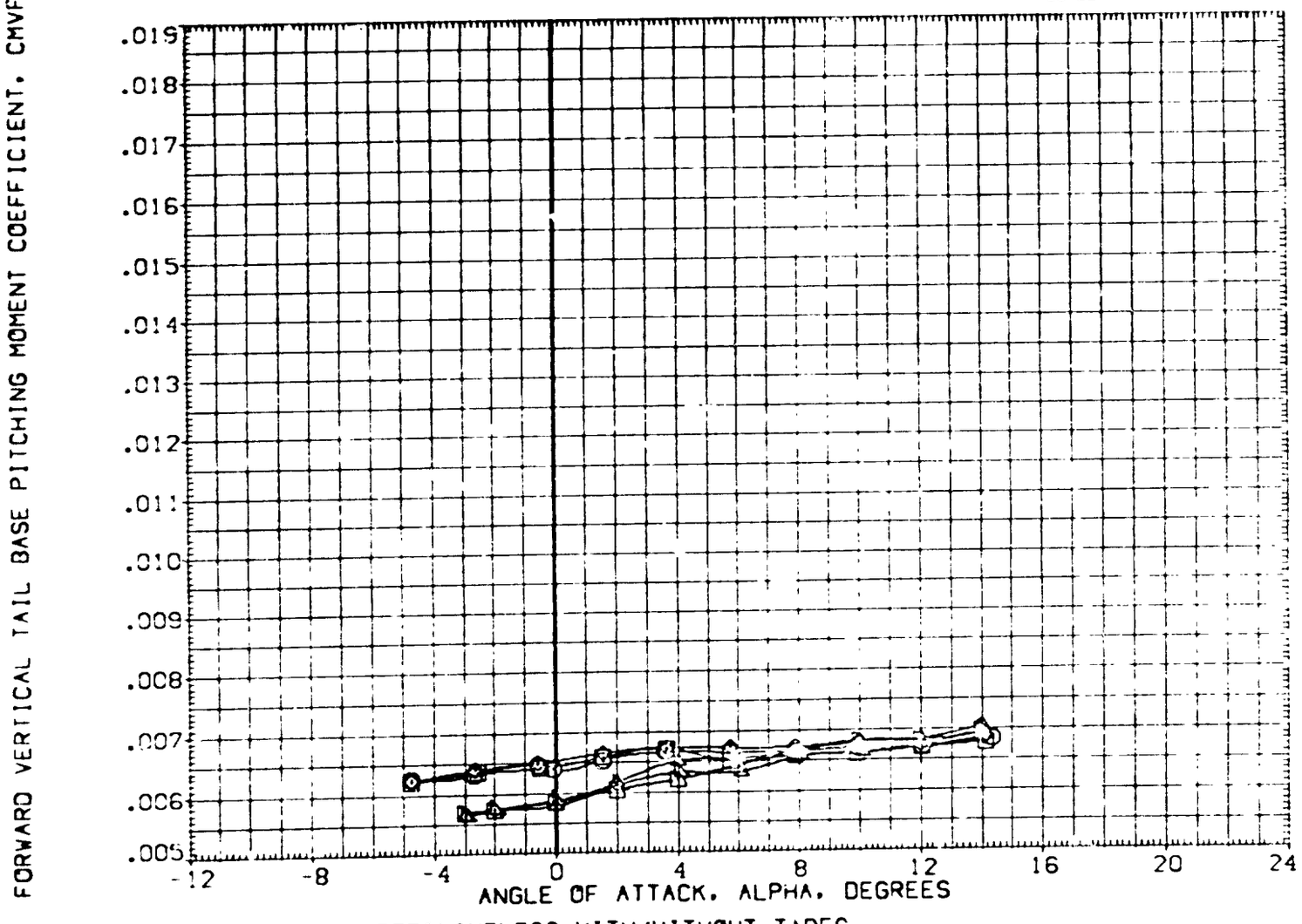


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(1)MACH = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

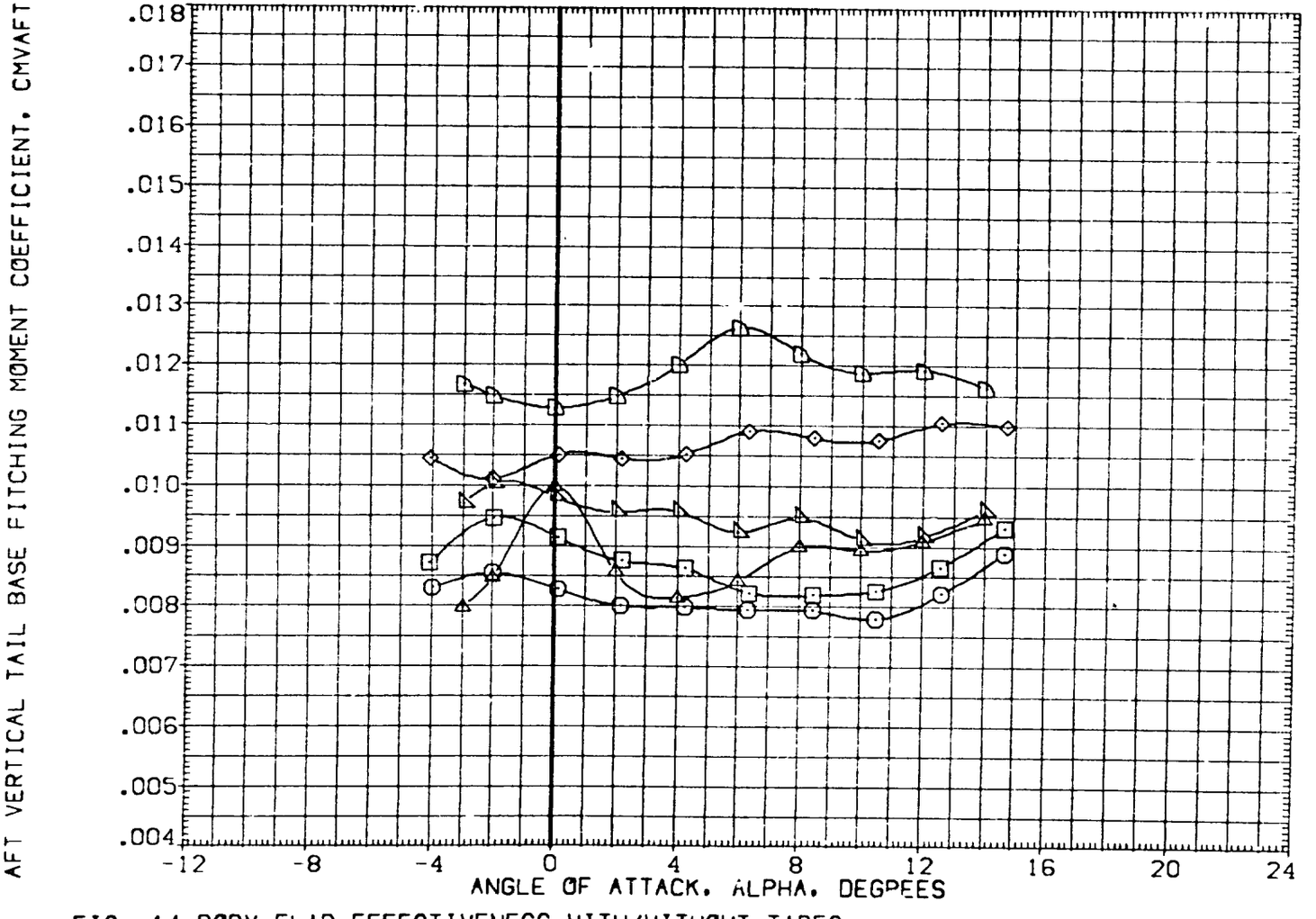


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(BER022)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)	DATA NOT AVAILABLE	.000	.000	-11.700
(2ER022)	DATA NOT AVAILABLE	.000	.000	.000
(2ER023)	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

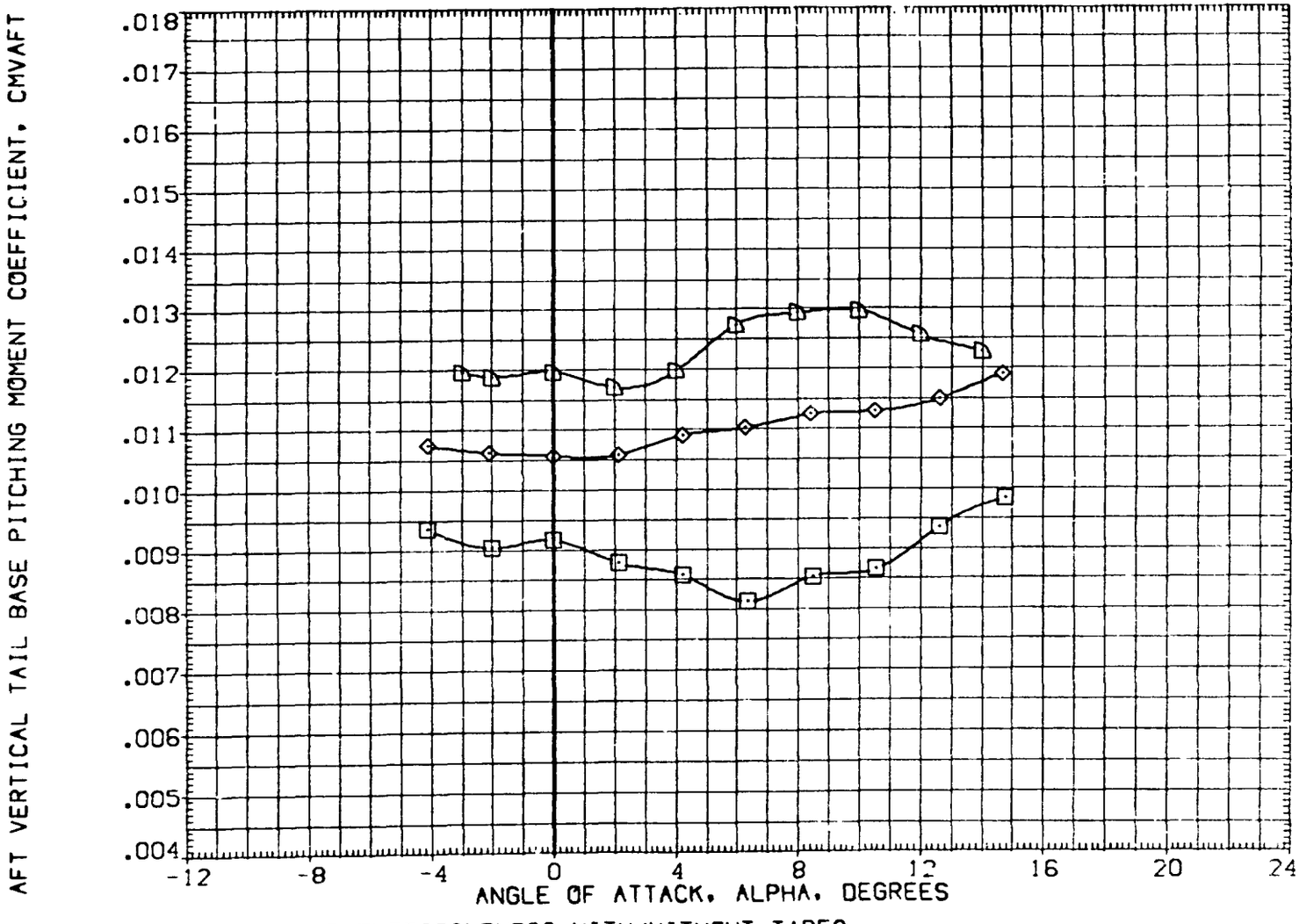


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(B)MACH = .70

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		DATA NOT AVAILABLE	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

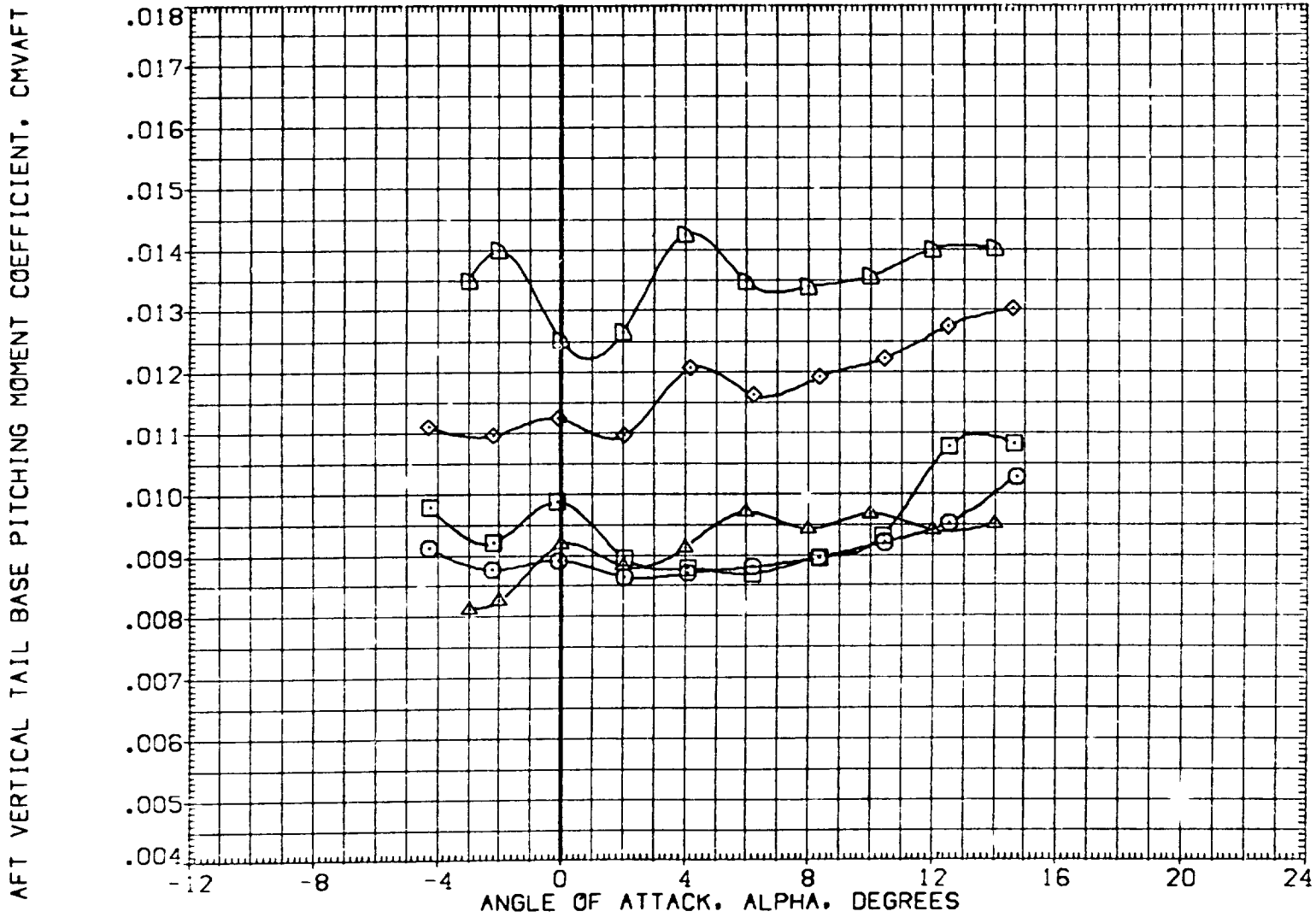


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(C)MAC .80

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO22)		DATA NOT AVAILABLE	.000	.000	.000
(BERO23)		DATA NOT AVAILABLE	.000	.000	16.300
(ZERO19)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO22)		DATA NOT AVAILABLE	.000	.000	.000
(ZERO23)		DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

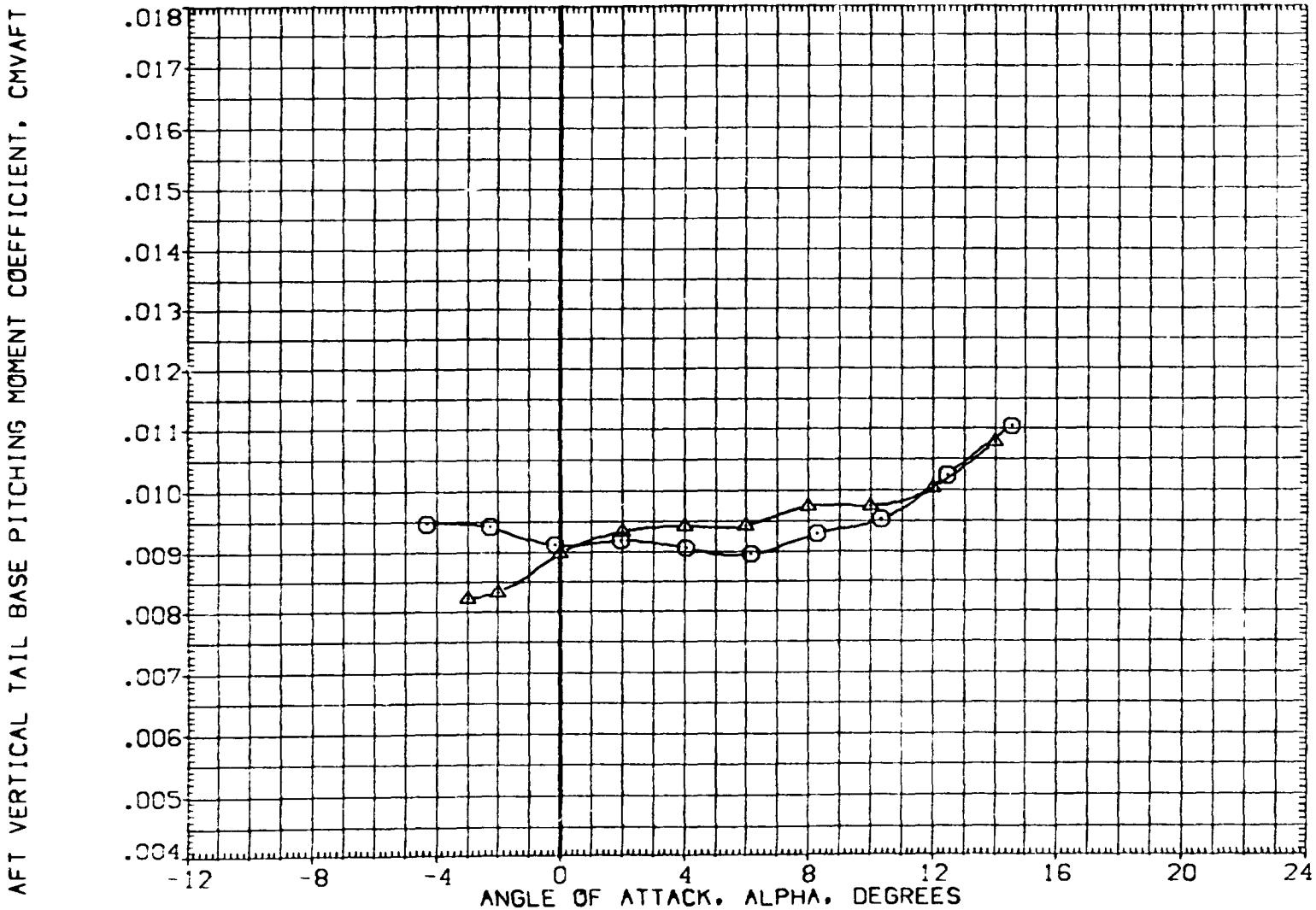


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(D)MAC .85

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO22)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BERO23)	⊠	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZERO19)	◇	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO22)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(ZERO23)	□	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

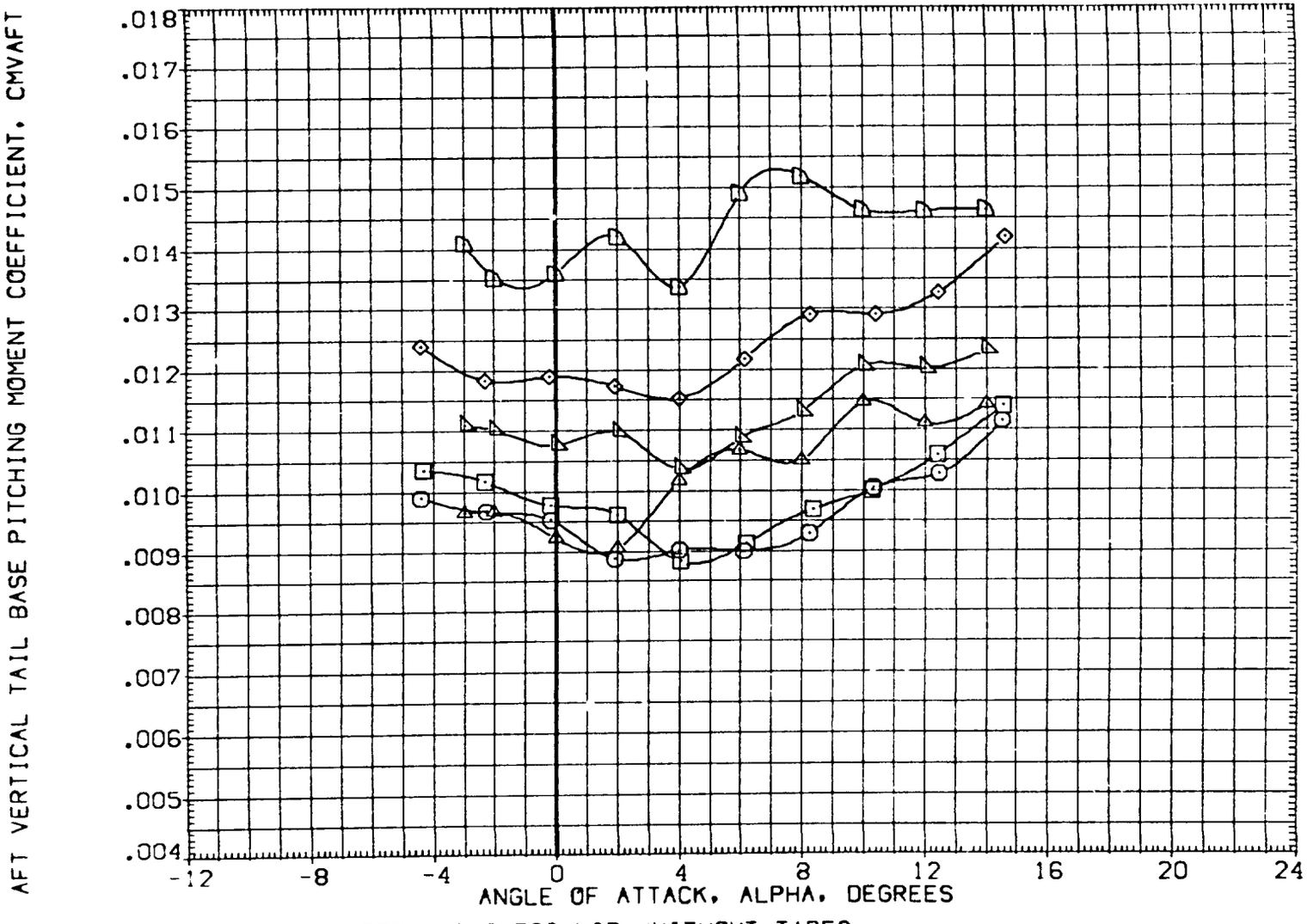


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(E)MACH = .90

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)	□	DATA NOT AVAILABLE	.000	.000	.000
(BER023)	◇	DATA NOT AVAILABLE	.000	.000	16.300
(2ER019)	△	ARC 66-709 0A59 0I1A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)	▷	DATA NOT AVAILABLE	.000	.000	.000
(2ER023)	▷	DATA NOT AVAILABLE	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

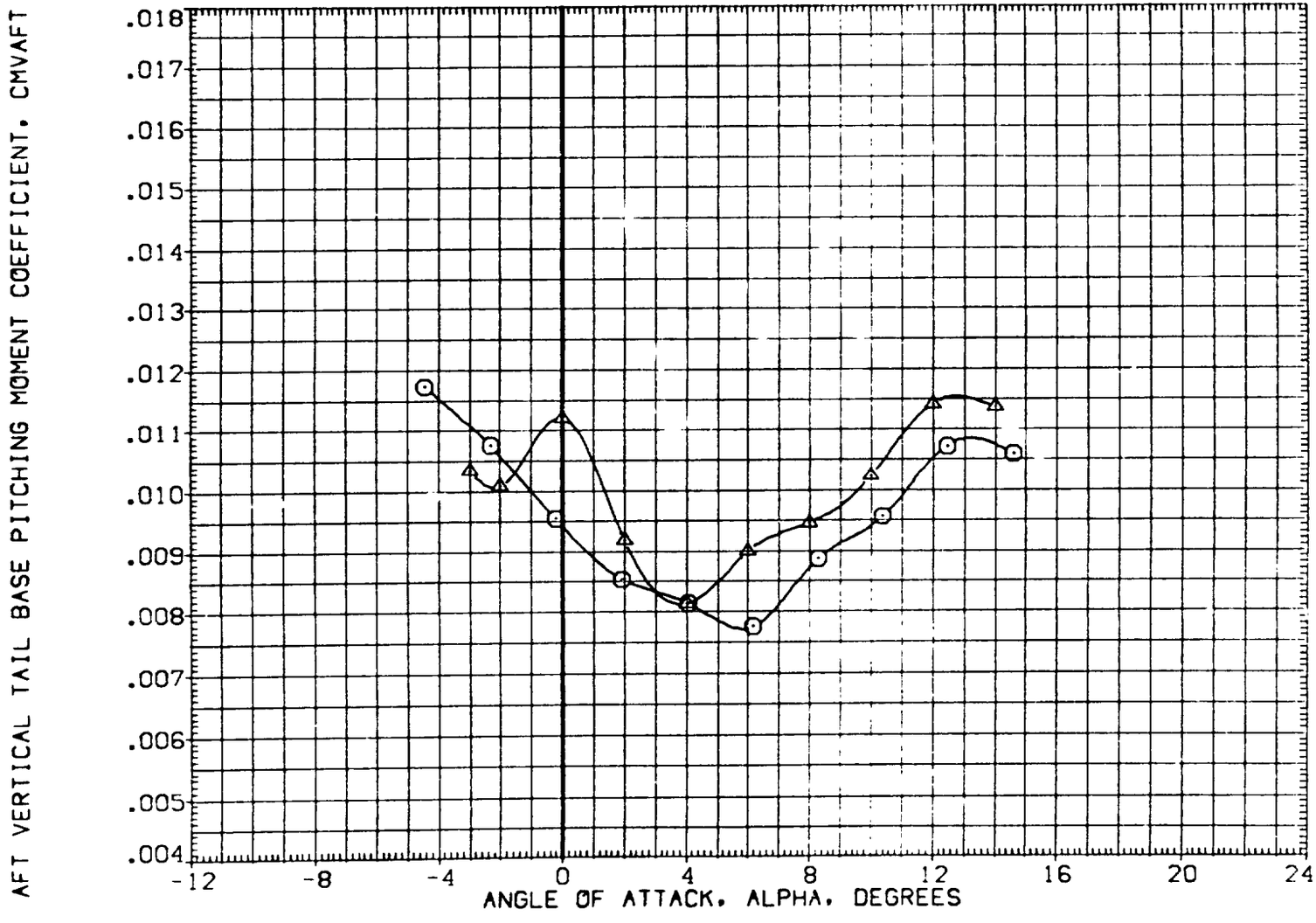


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(F)MACH = .95

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BDFLAP
(BER019)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BER022)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BER023)		ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ER019)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ER022)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(2ER023)		ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

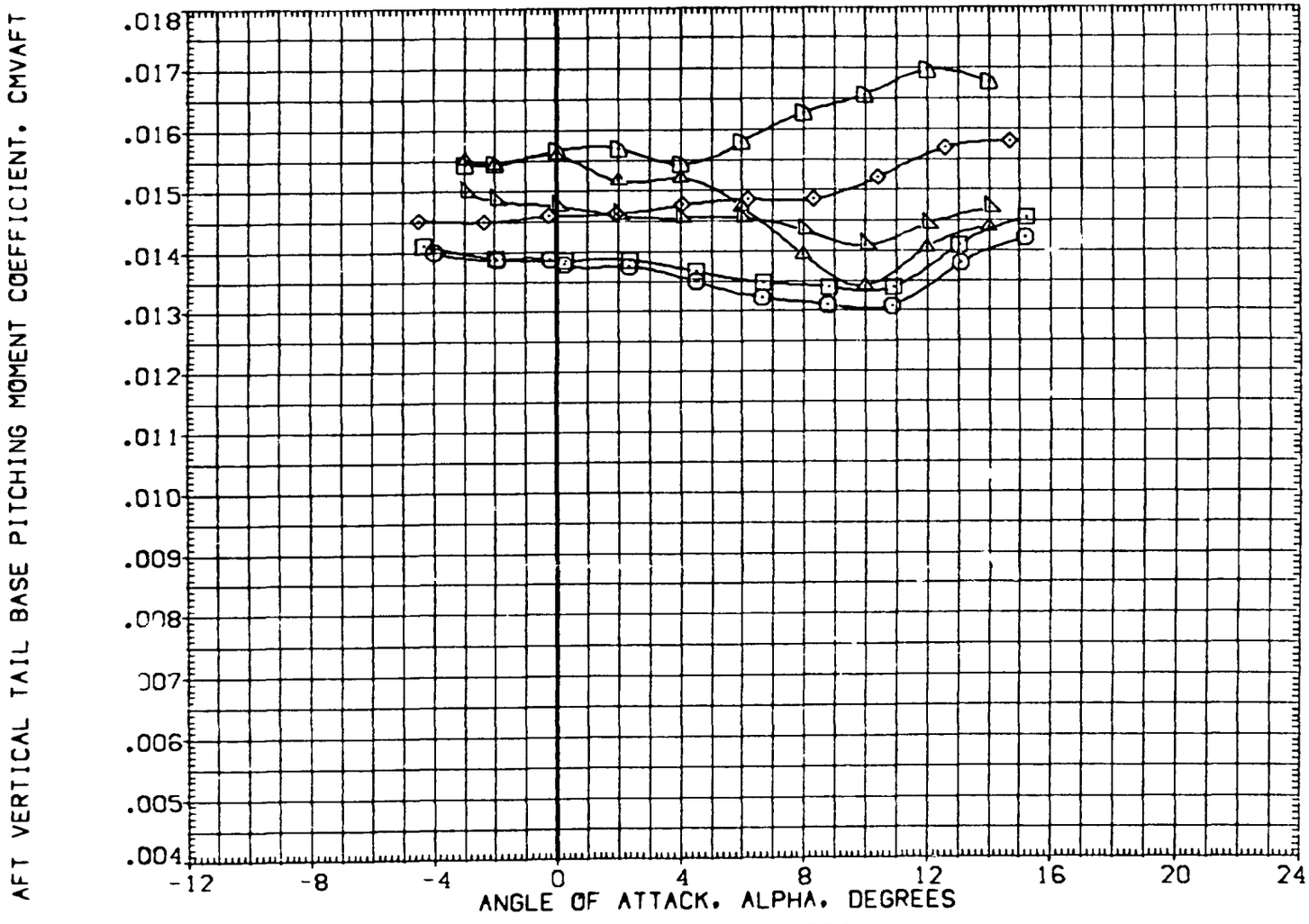


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(G)MAC = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)	○	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO22)	△	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(2ERO19)	▷	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(2ERO22)		DATA NOT AVAILABLE	.000	.000	.000
(2ERO23)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

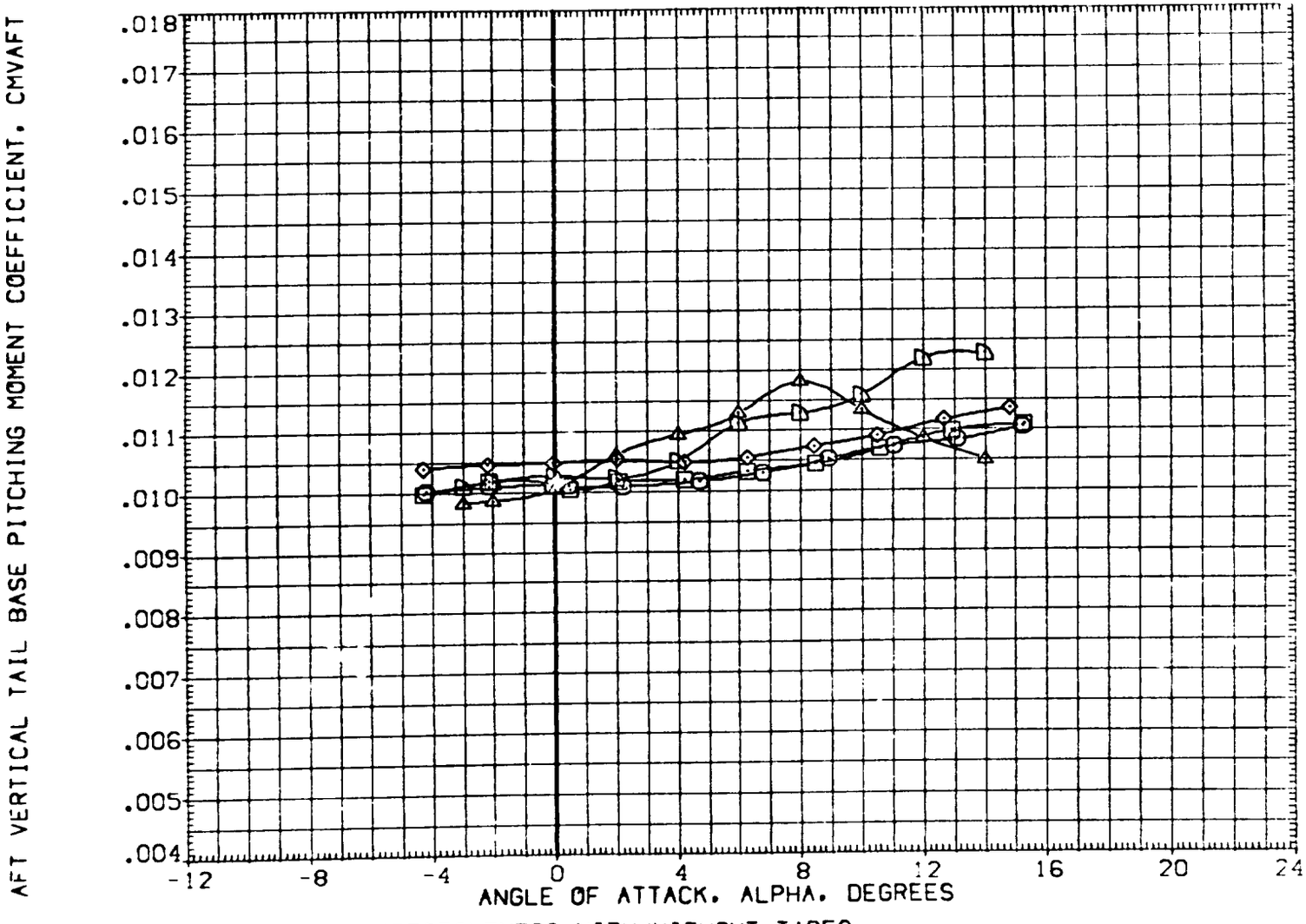


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	BOFLAP
(BERO19)	□	ARC 66-709 0A59 0A11A-(N24)	.000	.000	-11.700
(BERO22)	▽	ARC 66-709 0A59 0A11A-(N24)	.000	.000	.000
(BERO23)	◇	ARC 66-709 0A59 0A11A-(N24)	.000	.000	16.300
(ZERO19)	⊳	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	-11.700
(ZERO22)	△	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	.000
(ZERO23)	○	ARC 66-709 0A59 0A11A-N24 (ADJUSTED FOR TARES)	.000	.000	16.300

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

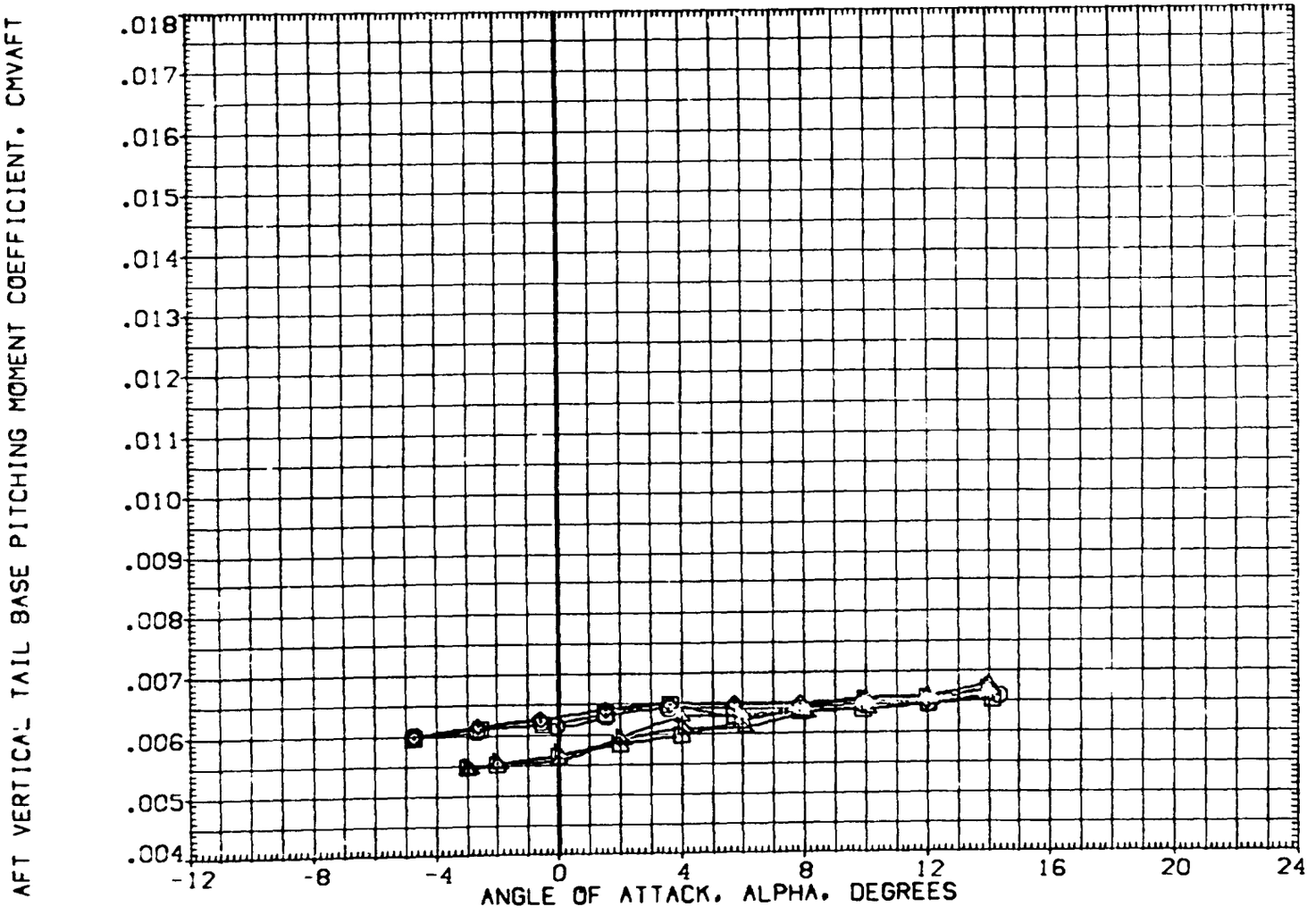


FIG. 14 BODY FLAP EFFECTIVENESS WITH/WITHOUT TARES

(I)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BDFLAP
(4ER024) ○	ARC 66-709 0A59 0A11A-(N24)	10.000	.000	-11.700
(1ER024) □	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

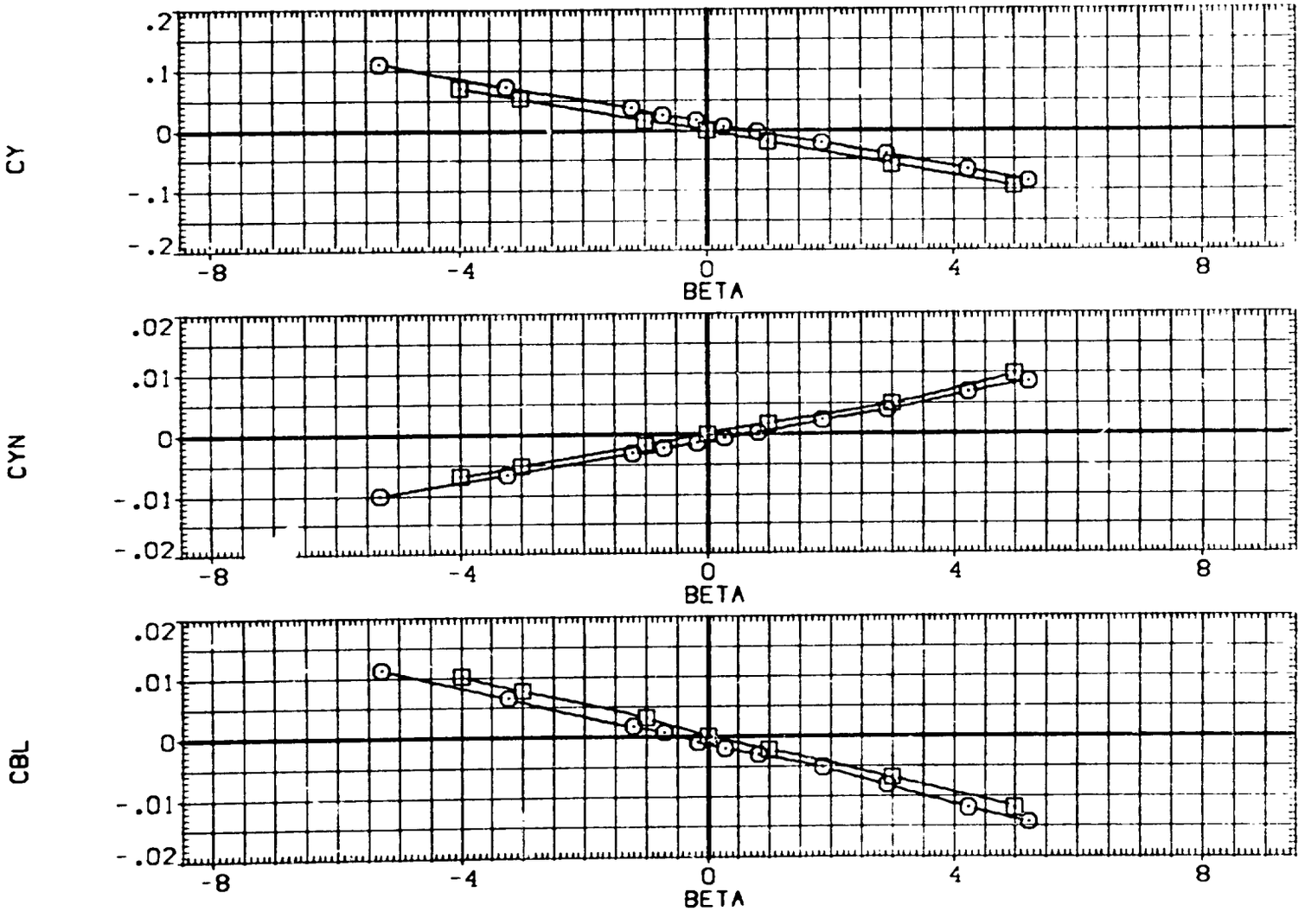


FIG. 15 YAW DATA WITH/WITHOUT TARES

(A)MACH = .60

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(4ERO24)	○	ARC 66-709 0A59 0A11A-(N24)	10.000	.000	-11.700
(1ERO24)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	10.000	.000	-11.700

REFERENCE INFORMATION

SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

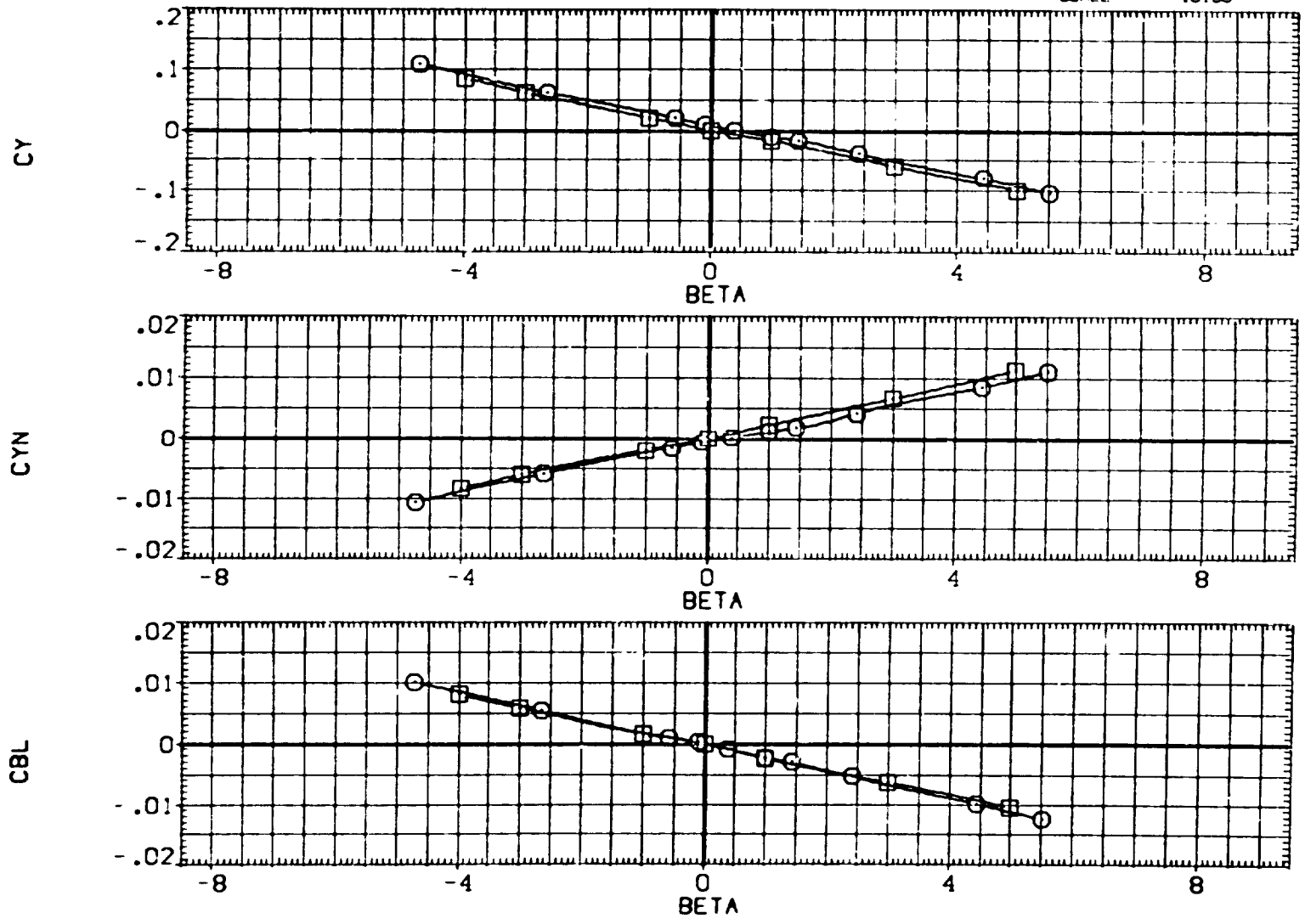


FIG. 15 YAW DATA WITH/WITHOUT TARES

(B)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(4ER024)	ARC 66-709 0A59 0A11A-(N24)	10.000	.000	-11.700
(1ER024)	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

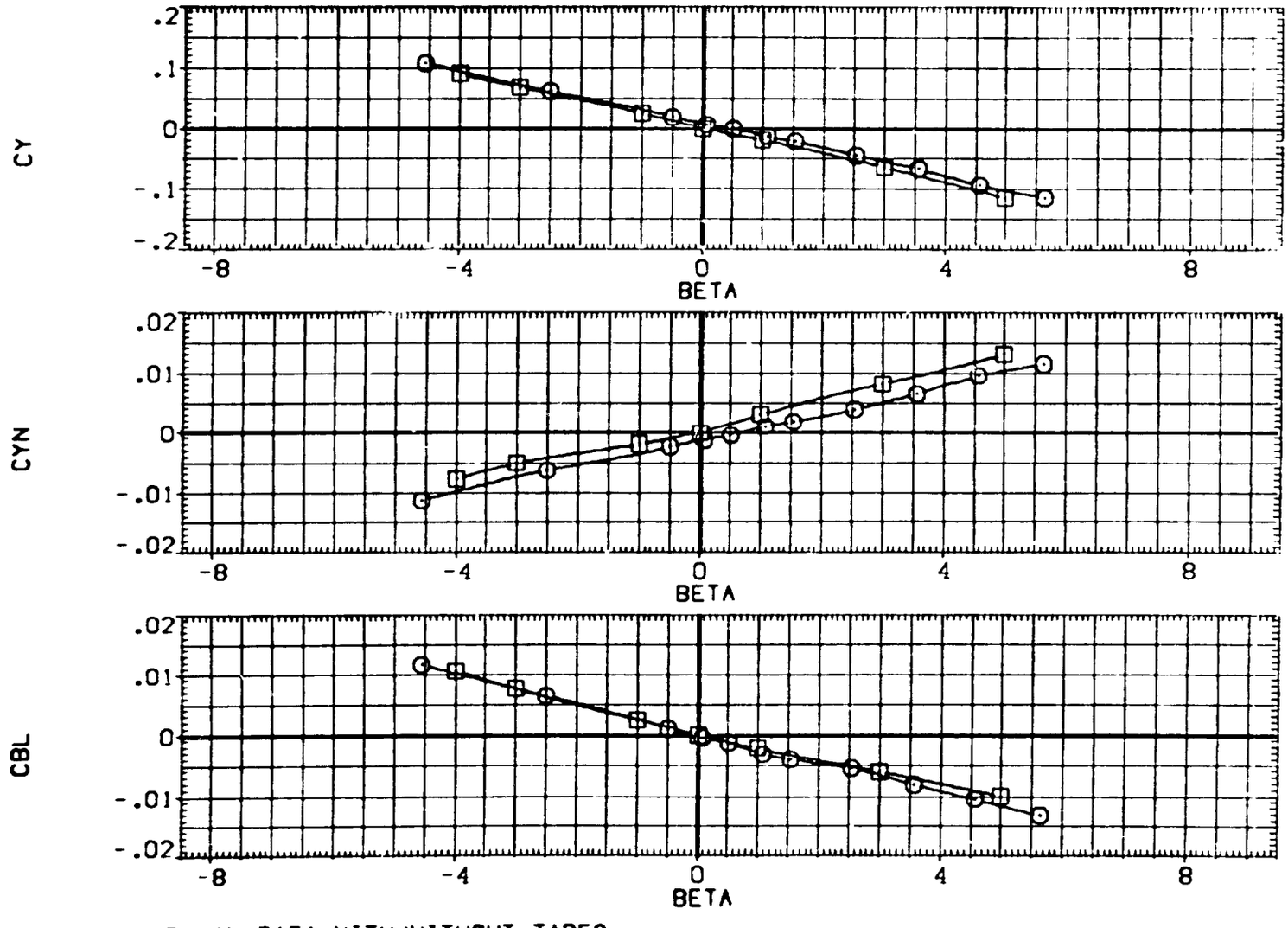


FIG. 15 YAW DATA WITH/WITHOUT TARES

(C)MACH = .90

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BDFLAP
(4ER024)	8	ARC 66-709 0A59 0A11A-(N24)	10.000	.000	-11.700
(1ER024)	8	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

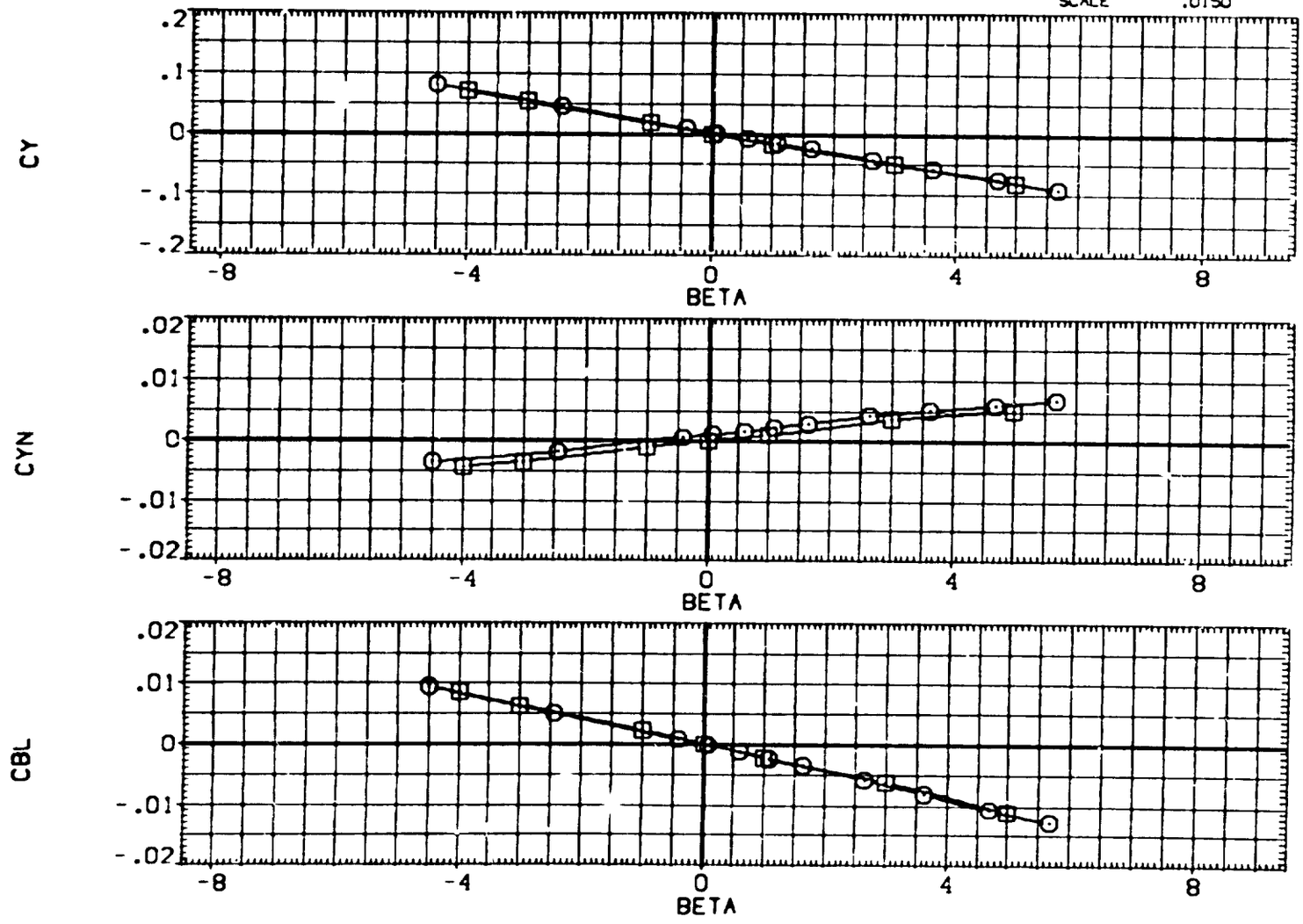


FIG. 15 YAW DATA WITH/WITHOUT TARES

(D)MAC = 1.20

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BDFLAP
[4ERD24]	⊗	ARC 66-709 BASE DATA-(N24)	10.000	.000	-11.700
[1ERD24]	⊟	DATA NOT AVAILABLE	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

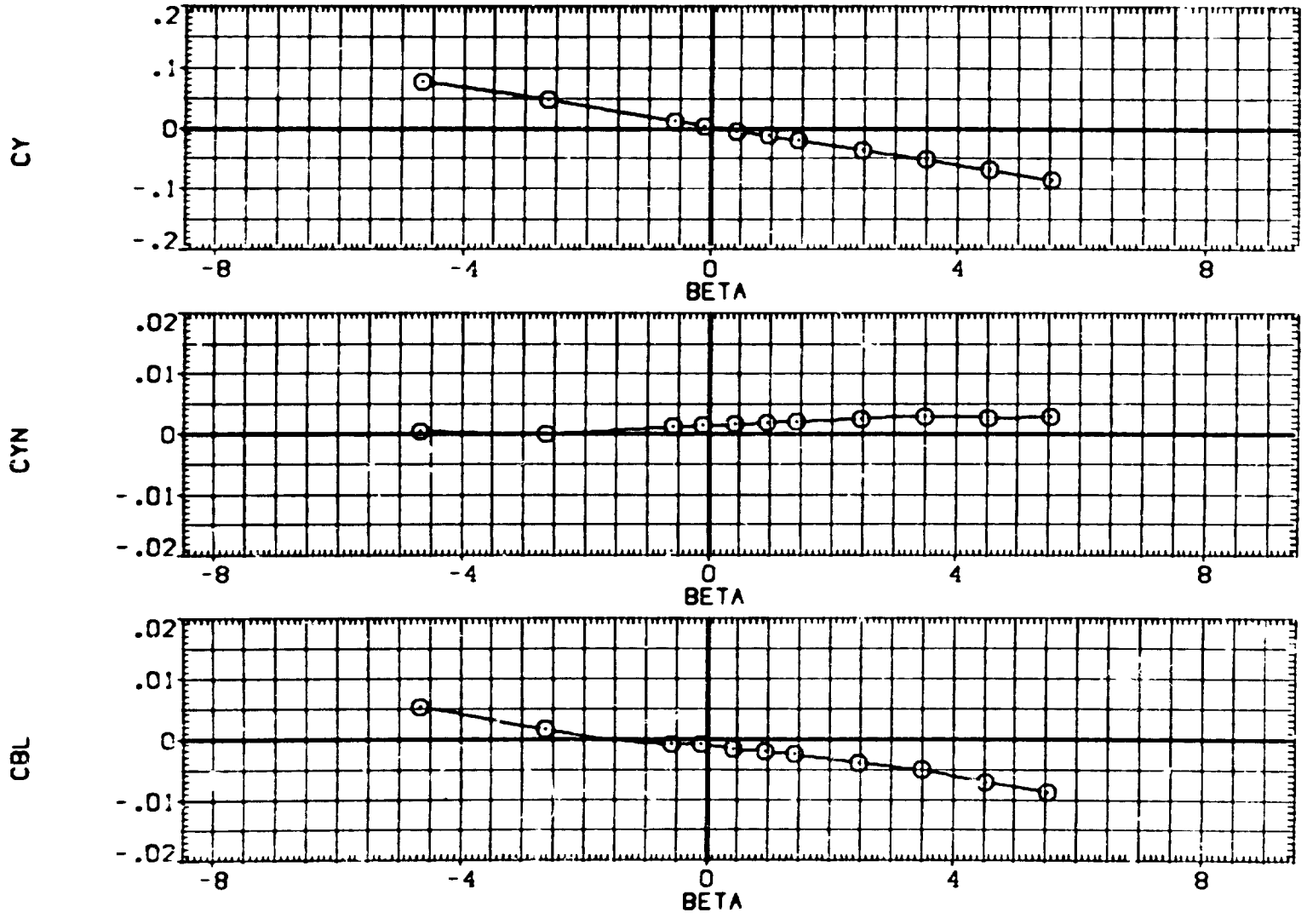


FIG. 15 YAW DATA WITH/WITHOUT TARES

(E)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	BOFLAP
(4ER024)	○	ARC 66-709 0A59 0A11A-(N24)	10.000	.000	-11.700
(1ER024)	□	ARC 66-709 0A59 011A-N24 (ADJUSTED FOR TARES)	10.000	.000	-11.700

REFERENCE INFORMATION		
SREF	.6053	SQ.FT.
LREF	.5935	FT.
BREF	1.1710	FT.
XMRP	12.6255	IN.
YMRP	.0000	IN.
ZMRP	-.3750	IN.
SCALE	.0150	

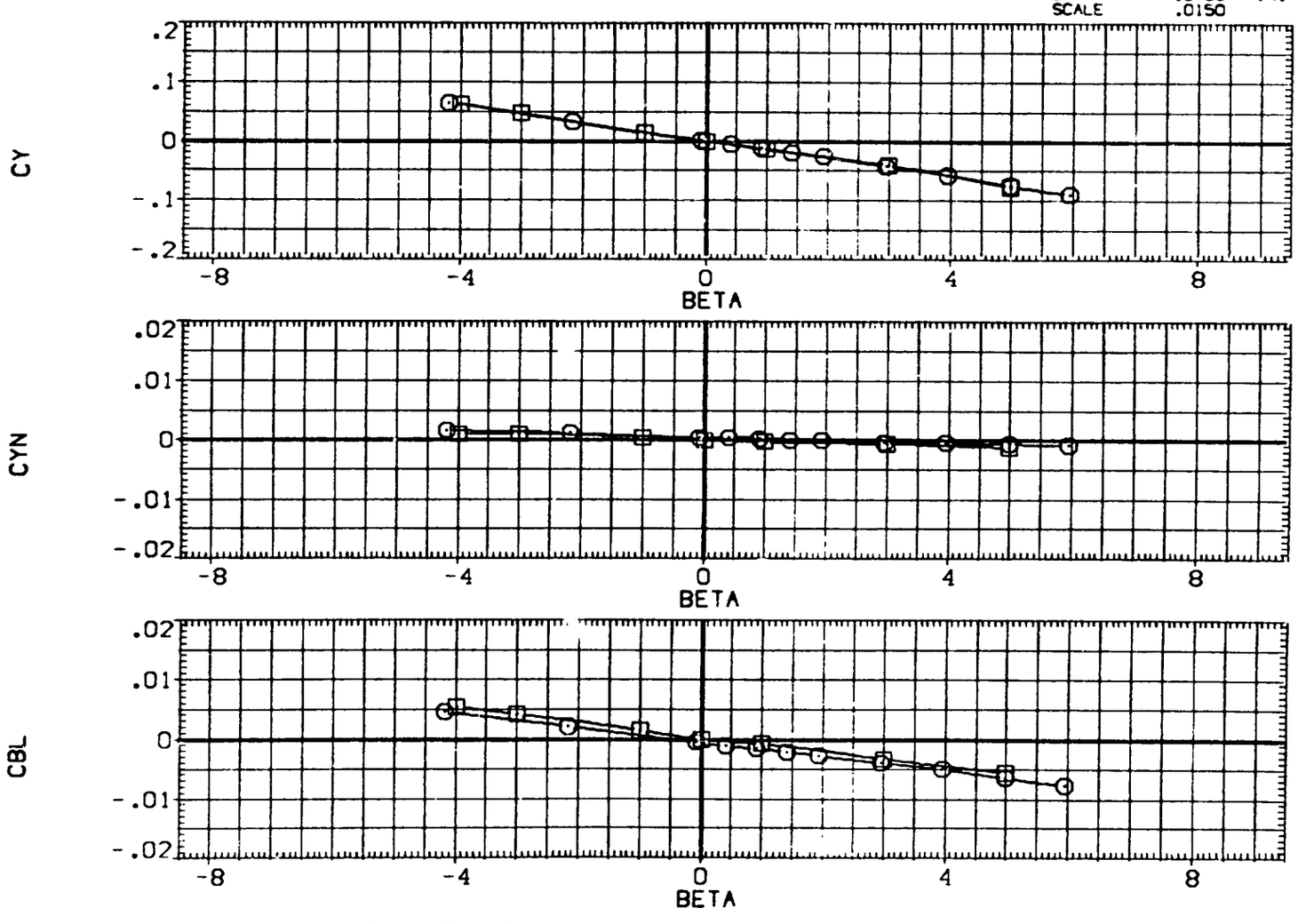


FIG. 15 YAW DATA WITH/WITHOUT TARES

(F)MACH = 2.00

APPENDIX

TABULATED SOURCE DATA

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

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER001) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 36/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.599	-4.580	-.45210	-.36920	-.20670
.600	-2.480	-.41530	-.34710	-.19640
.600	-.320	-.40310	-.34600	-.20010
.603	1.830	-.38860	-.31560	-.17180
.600	3.930	-.38400	-.33220	-.17770
.602	6.070	-.36960	-.32300	-.17260
.602	8.250	-.32990	-.29850	-.15880
.602	10.410	-.31130	-.29650	-.15790
.602	12.540	-.29840	-.29060	-.16830
.600	14.740	-.29420	-.28730	-.19430
	GRADIENT	.00763	.00495	.00388

RUN NO. 6/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.695	-4.710	-.42820	-.34230	-.20870
.700	-2.570	-.41030	-.33110	-.20540
.698	-.430	-.37560	-.31160	-.19300
.699	1.720	-.38840	-.32470	-.19390
.697	3.880	-.37680	-.30760	-.17650
.699	6.010	-.36290	-.31260	-.17700
.700	8.240	-.34700	-.32180	-.18250
.701	10.370	-.33790	-.32890	-.18640
.700	12.550	-.33380	-.33260	-.20610
.700	14.710	-.33260	-.34690	-.23750
	GRADIENT	.00580	.00353	.00354

RUN NO. 5/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.748	-4.800	-.41380	-.34690	-.22970
.752	-2.700	-.38990	-.33080	-.21780
.751	-.490	-.37760	-.32980	-.21240
.748	1.770	-.36730	-.31230	-.19530
.750	3.830	-.37830	-.32700	-.20150
.751	6.080	-.35630	-.31600	-.17890
.750	8.240	-.34750	-.33610	-.18790
.748	10.380	-.33960	-.33540	-.19250
.748	12.580	-.33980	-.34770	-.21290
.750	14.690	-.33550	-.36670	-.24320
	GRADIENT	.00432	.00279	.00362

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER001) (25 APR 74)

REFERENCE DATA

SREF = .6553 SQ.FT. XMRP = 12.6255 IN.
LREF = .3933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 35/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.799	-4.950	-.39960	-.34430	-.23410
.801	-2.810	-.38340	-.35010	-.22990
.801	-.690	-.39330	-.33510	-.22050
.802	1.630	-.37090	-.33100	-.21100
.801	3.885	-.36930	-.33420	-.20100
.801	6.010	-.35930	-.33010	-.18970
.799	8.240	-.35370	-.34720	-.19640
.797	10.410	-.35110	-.35740	-.20710
.800	12.600	-.34670	-.36050	-.22300
.800	14.740	-.34530	-.37060	-.24850
	GRADIENT	.00331	.00178	.00386

RUN NO. 3/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.848	-4.980	-.41030	-.36430	-.24630
.850	-2.870	-.40580	-.37580	-.25640
.850	-.660	-.38560	-.35640	-.23600
.850	1.590	-.38800	-.36560	-.22190
.849	3.850	-.39430	-.37110	-.21380
.850	5.970	-.37980	-.37060	-.20900
.848	8.170	-.37470	-.37620	-.21320
.849	10.300	-.36810	-.37730	-.22130
.850	12.510	-.36390	-.39110	-.24640
.849	14.700	-.36350	-.39650	-.26410
	GRADIENT	.00223	-.00016	.00452

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.896	-5.050	-.41410	-.40000	-.25950
.901	-2.630	-.37310	-.38740	-.24370
.897	-.680	-.36960	-.37020	-.23520
.898	1.650	-.34960	-.34480	-.23030
.900	3.810	-.32490	-.29530	-.20410
.899	5.960	-.33270	-.29760	-.19260
.900	8.200	-.36090	-.36610	-.20310
.899	10.340	-.34340	-.38090	-.22390
.897	12.500	-.37220	-.39440	-.24490
.900	14.770	-.37750	-.41940	-.26740
	GRADIENT	.00741	.01355	.00554

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER001) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1719 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 1/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.955	-5.120	-.49650	-.52380	-.33140
.951	-2.940	-.44630	-.47020	-.30770
.952	-.610	-.41730	-.43290	-.29950
.950	1.630	-.39390	-.38100	-.27210
.950	3.900	-.41450	-.39350	-.31500
.951	5.980	-.40670	-.37430	-.25320
.948	8.230	-.44050	-.40890	-.26160
.953	10.440	-.42940	-.42280	-.27490
.951	12.600	-.44490	-.44700	-.30720
.947	14.800	-.46320	-.45290	-.34810
	GRADIENT	.00524	.01240	.00025

RUN NO. 33/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.207	-4.040	-.40650	-.49510	-.35790
1.201	-2.890	-.41630	-.50020	-.34040
1.202	-.520	-.39890	-.45680	-.32720
1.201	1.700	-.39000	-.43070	-.32640
1.201	3.960	-.34250	-.36000	-.34050
1.205	6.100	-.26200	-.30400	-.34720
1.201	8.390	-.24530	-.28370	-.35780
1.197	10.650	-.25280	-.29730	-.37890
1.201	12.860	-.24420	-.29570	-.37770
1.195	15.160	-.27270	-.33250	-.41500
	GRADIENT	.00779	.01685	.00211

RUN NO. 32/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.500	-4.820	-.29420	-.36750	-.37780
1.503	-2.710	-.30340	-.37720	-.36850
1.500	-.410	-.31760	-.39030	-.35980
1.498	1.810	-.31360	-.38480	-.32460
1.498	4.060	-.30720	-.35990	-.30320
1.499	6.210	-.29830	-.33040	-.30660
1.498	8.490	-.24540	-.29090	-.31290
1.500	10.640	-.24370	-.28880	-.32270
1.500	12.830	-.24570	-.29520	-.34270
1.499	15.060	-.24660	-.29350	-.35160
	GRADIENT	-.00162	.00536	.00868

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER091) (29 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0156

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 31/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.001	-5.210	-.16740	-.20770	-.24940
1.996	-3.130	-.17790	-.21500	-.25370
1.998	-.970	-.18570	-.22100	-.25590
1.997	1.240	-.19500	-.22740	-.25820
1.995	3.400	-.19690	-.22770	-.25360
1.999	5.560	-.20140	-.23390	-.25270
2.001	7.690	-.20170	-.23450	-.24360
2.001	9.820	-.20170	-.23620	-.23990
2.001	12.040	-.20010	-.23680	-.23960
2.001	14.190	-.19540	-.23590	-.24090
	GRADIENT	-.00304	-.00204	-.00009

ARC 66-709 OA59 OA11A-(NZ4 R5 V8)+STRUT+DUM STNG (AER002) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 7/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.600	-4.560	-.44050	-.35790	-.19890
.601	-2.480	-.41790	-.34100	-.19360
.599	-.350	-.40970	-.33210	-.19570
.598	1.790	-.39640	-.32910	-.18530
.601	3.960	-.38580	-.32160	-.17720
.601	6.070	-.37190	-.32800	-.17260
.599	8.280	-.36640	-.32620	-.17980
.600	10.350	-.33190	-.31300	-.17640
.600	12.520	-.32920	-.31540	-.20050
.600	14.720	-.31010	-.30990	-.21530
	GRADIENT	.00614	.00396	.00243

RUN NO. 4/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.803	-4.670	-.41770	-.34770	-.23480
.799	-2.790	-.39020	-.34510	-.22780
.802	-.590	-.38190	-.33400	-.22000
.801	1.610	-.38350	-.32670	-.21030
.802	3.850	-.38140	-.33910	-.20420
.800	6.030	-.36770	-.33620	-.19190
.799	8.210	-.36880	-.36400	-.20740
.799	10.430	-.34920	-.35240	-.20450
.799	12.520	-.35040	-.37200	-.23120
.799	14.690	-.34570	-.37630	-.25210
	GRADIENT	.00360	.00162	.00360

RUN NO. 2/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.898	-5.130	-.39370	-.38630	-.25050
.901	-2.920	-.39240	-.40420	-.25830
.901	-.690	-.38020	-.38440	-.25230
.901	1.610	-.36660	-.35100	-.23480
.900	3.810	-.35170	-.31530	-.22800
.900	5.940	-.34930	-.30990	-.20060
.902	8.160	-.38500	-.39160	-.23570
.901	10.310	-.37640	-.38790	-.22790
.900	12.480	-.37150	-.40130	-.25090
.898	14.690	-.39440	-.43340	-.28430
	GRADIENT	.00603	.01334	.00483

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER502) (25 APR 74)

REFEREN.E DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3755 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.750

RUN NO. 8/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.199	-5.090	-.41540	-.51510	-.38060
1.201	-2.940	-.40870	-.49170	-.33210
1.201	-.680	-.41260	-.47550	-.33920
1.200	1.620	-.40100	-.44220	-.34610
1.203	3.800	-.36370	-.38370	-.35500
1.202	6.050	-.27880	-.32370	-.36320
1.201	8.290	-.25810	-.30090	-.37640
1.199	10.550	-.24180	-.28760	-.37270
1.196	12.780	-.25660	-.30670	-.39460
1.201	15.010	-.28100	-.33740	-.42060
	GRADIENT	.00647	.01583	-.00333

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER003) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BCFLAP = -11.700

RUN NO. 30/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.602	-4.340	-.45850	-.40590	-.25190
.600	-2.250	-.44550	-.39330	-.26060
.603	-.020	-.43190	-.36930	-.24660
.602	2.130	-.42330	-.36670	-.24110
.600	4.240	-.40600	-.35980	-.22910
.601	6.350	-.39730	-.34910	-.21930
.600	8.570	-.38190	-.35020	-.22870
.601	10.730	-.37150	-.34130	-.22980
.602	12.830	-.36440	-.35200	-.24420
.600	15.000	-.35960	-.35630	-.26330
	GRADIENT	.00590	.00552	.00303

RUN NO. 29/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.700	-4.430	-.44550	-.39920	-.27810
.700	-2.260	-.42280	-.37200	-.26490
.700	-.190	-.40460	-.35300	-.25470
.702	2.120	-.40370	-.34690	-.24730
.702	4.220	-.39100	-.33320	-.22680
.700	6.340	-.39420	-.34360	-.22660
.699	8.640	-.37660	-.35650	-.23710
.700	10.690	-.37410	-.37170	-.25160
.701	12.830	-.36600	-.37170	-.26110
.699	15.030	-.37640	-.40090	-.29380
	GRADIENT	.00589	.00723	.00554

RUN NO. 28/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.799	-4.590	-.43140	-.42170	-.30540
.799	-2.480	-.40940	-.39650	-.29020
.801	-.380	-.41730	-.36520	-.27310
.798	-.140	-.40320	-.37850	-.28770
.800	1.930	-.38640	-.35630	-.26550
.801	4.120	-.40130	-.37110	-.26380
.800	6.330	-.40050	-.38320	-.26420
.799	8.530	-.39600	-.39200	-.26760
.798	10.710	-.39520	-.40630	-.28020
.799	12.820	-.39610	-.42040	-.30030
.798	15.040	-.41090	-.44360	-.32910
	GRADIENT	.00418	.00643	.00490

ARC 68-709 OA59 OA11A-(NZ4 R5 V8)+STRUT+DUM STNS (AER003) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0139

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BFLAP = -11.700

RUN NO. 27/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.899	-4.840	-.45080	-.46040	-.33190
.901	-2.570	-.43060	-.43560	-.32260
.900	-.430	-.40540	.39420	-.30980
.901	1.910	-.40030	36960	-.30780
.900	4.110	-.38280	120	-.29970
.901	6.270	-.37790	060	-.29430
.902	8.510	-.45130	-.4 70	-.32120
.897	10.650	-.45420	-.49450	-.32820
.902	12.860	-.46900	-.50530	-.34580
.900	14.990	-.50430	-.55450	-.37970
	GRADIENT	.00742	.01359	.00358

RUN NO. 26/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.201	-5.010	-.47670	-.59620	-.47240
1.202	-2.760	-.45740	-.56160	-.42770
1.202	-.520	-.44990	-.52390	-.39870
1.199	1.620	-.44500	-.49390	-.37730
1.200	4.060	.40660	.03130	-.37740
1.198	6.320	-.33650	-.37540	-.38930
1.198	8.590	-.30950	-.36050	-.40100
1.199	10.810	-.30380	-.35550	-.42420
1.199	13.090	-.29930	-.35250	-.43540
1.199	15.290	-.30610	-.35660	-.46230
	GRADIENT	.00688	.01842	.00756

RUN NO. 25/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.502	-4.670	-.31150	-.37300	-.41070
1.503	-2.610	-.32110	-.38320	-.40520
1.502	-.460	-.33000	-.39410	-.40340
1.502	1.620	-.33240	-.40120	-.38640
1.502	4.060	-.33060	-.39490	-.34550
1.499	6.310	-.32370	-.37090	-.33410
1.500	8.520	-.28780	-.32960	-.33400
1.499	10.710	-.27380	-.32000	-.34690
1.498	12.930	-.27810	-.32470	-.36440
1.498	15.220	-.26360	-.31530	-.36120
	GRADIENT	-.00226	-.00280	.00687

ARC 66-709 0459 0411A-(NR4 RS V8)+STRUT+DUM STNG (AER003) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BOFLAP = -11.700

RUN NO. 24/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.999	-5.170	-.17410	-.21030	-.26300
1.997	-3.190	-.18320	-.21720	-.26670
1.997	-.690	-.19050	-.22330	-.26770
1.997	1.310	-.19970	-.22870	-.26960
1.997	3.460	-.20490	-.23470	-.26740
1.996	5.690	-.20680	-.23740	-.26130
1.999	7.790	-.20910	-.23810	-.25430
2.002	9.980	-.20860	-.24000	-.24910
2.005	11.970	-.20370	-.23790	-.24390
2.005	14.170	-.19880	-.23860	-.24360
	GRADIENT	-.00336	-.00261	-.00018

ARC 66-709 0A59 0A11A-(N24 95 V8)+STRUT+DUM STNG (AERO04) (23 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BOFLAP = -11.750

RUN NO. 12/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.695	-4.320	-.45580	-.41120	-.26690
.598	-2.170	-.43960	-.41040	-.26700
.691	-.100	-.43210	-.37550	-.25180
.603	2.040	-.42030	-.37100	-.24180
.600	4.220	-.40170	-.35560	-.22840
.597	6.365	-.39580	-.35370	-.22440
.600	8.470	-.38410	-.34850	-.22730
.600	10.635	-.36860	-.35110	-.23370
.601	12.790	-.35810	-.35700	-.24560
.599	14.950	-.35460	-.36310	-.26300
	GRADIENT	.00581	.00706	.00489

RUN NO. 11/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.699	-4.450	-.45410	-.39410	-.27450
.700	-2.270	-.41510	-.37140	-.25630
.699	-.140	-.41500	-.36020	-.26070
.703	2.010	-.39360	-.34800	-.26060
.702	4.160	-.40010	-.34630	-.24010
.694	6.380	-.39210	-.35620	-.23800
.699	8.530	-.38050	-.35190	-.23860
.703	10.660	-.37180	-.36410	-.24280
.702	12.790	-.36660	-.37130	-.25805
.699	14.950	-.37230	-.39030	-.28075
	GRADIENT	.00693	.00550	.00147

RUN NO. 10/ 0 RN/L = 2.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.801	-4.630	-.42460	-.40420	-.29640
.804	-2.465	-.41770	-.40030	-.29800
.803	-.260	-.40870	-.37190	-.27960
.803	1.920	-.39370	-.36520	-.27340
795	4.,90	-.39800	-.35430	-.25520
.801	6.380	-.40270	-.38100	-.25975
.801	8.430	-.40050	-.39030	-.26690
.801	10.720	-.38800	-.40180	-.27470
.800	12.870	-.40280	-.43130	-.30530
.801	14.940	-.40880	-.44030	-.31690
	GRADIENT	.00350	.00612	.00487

ARC 66-759 OA59 OA114-(NZ4 R5 V8)+STRUT+DUM STNG (AER004) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
DEFLAP = -11.700

RUN NO. 9/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.900	-4.620	-.44740	-.46550	-.33260
.900	-2.660	-.42700	-.44740	-.32650
.903	-.430	-.41020	-.40850	-.31900
.902	1.950	-.37880	-.36080	-.29190
.899	4.040	-.37490	-.33670	-.28330
.894	6.220	-.39680	-.40380	-.28260
.897	8.450	-.42370	-.46520	-.30720
.902	10.580	-.43700	-.48470	-.31670
.903	12.730	-.46260	-.51080	-.34510
.903	14.970	-.46770	-.51100	-.35240
	GRADIENT	.00864	.01539	.00606

AEC 66-759 0459 0A11A-(M24 RS V8)+STRUT+DUM STNG (AEROSS) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0190

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = 16.300

RUN NO. 16/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CFV1	CFV2	CFV3
.699	-4.510	-.47510	-.51660	-.27440
.698	-2.430	-.44200	-.51290	-.25490
.692	-.310	-.44720	-.51380	-.26030
.695	1.910	-.43750	-.51060	-.25020
.691	3.980	-.42370	-.49670	-.25010
.691	6.190	-.40160	-.49140	-.25140
.692	8.250	-.40970	-.48840	-.25390
.691	10.400	-.39350	-.47840	-.25980
.691	12.520	-.39480	-.47130	-.25330
.692	14.660	-.39590	-.47490	-.24590
	GRADIENT	.00502	.00197	.00437

RUN NO. 15/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CFV1	CFV2	CFV3
.702	-4.660	-.47510	-.51970	-.29420
.699	2.540	-.44360	-.51740	-.28590
.700	-.390	-.45000	-.51080	-.27230
.702	1.760	-.45380	-.50770	-.26130
.701	3.900	-.44640	-.50960	-.25680
.698	6.100	-.42170	-.49650	-.23580
.702	8.260	-.40630	-.49480	-.24170
.699	10.430	-.40600	-.47650	-.23520
.704	12.670	-.41460	-.50390	-.23400
.701	14.740	-.42490	-.50330	-.26670
	GRADIENT	.00210	.00140	.00463

RUN NO. 14/ 0 RN/L = 2.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CFV1	CFV2	CFV3
.800	-4.860	-.47440	-.52690	-.31550
.801	-2.760	-.47490	-.51840	-.29420
.802	-.580	-.48260	-.53590	-.29530
.801	1.620	-.47230	-.52970	-.27e30
.800	3.760	-.46960	-.53420	.26260
.797	5.940	-.44940	-.53140	-.25540
.799	8.130	-.44550	-.52640	-.25620
.739	10.360	-.44340	-.53260	-.26260
.798	12.490	-.44170	-.53130	-.26400
.800	14.700	-.46120	-.54440	-.28460
	GRADIENT	.00140	-.00102	.00561

ARC 66-709 OA59 OA11A-(N24 K5 V8)+STRUT+DUM STNG (AER005) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 15/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.900	-5.000	-.46930	-.53830	-.34460
.902	-2.830	-.48150	-.53740	-.32520
.901	-.640	-.47790	-.54030	-.31440
.898	1.550	-.47230	-.52110	-.29680
.902	3.860	-.48380	-.52880	-.29070
.899	5.980	-.47210	-.53170	-.28090
.901	8.170	-.46850	-.55810	-.27080
.901	10.320	-.48150	-.58330	-.29010
.899	12.460	-.50620	-.59250	-.30090
.900	14.670	-.50770	-.59800	-.31230
	GRADIENT	-.00090	.00159	.00615

RUN NO. 16/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.201	-2.890	-.43910	-.53660	-.38667
1.200	-.700	-.43160	-.51330	-.37140
1.202	1.590	-.42820	-.47980	-.37030
1.200	3.770	-.42540	-.46230	-.38200
1.201	6.050	-.38200	-.40120	-.39390
1.200	8.310	-.32160	-.36620	-.41260
1.202	10.530	-.31240	-.35530	-.42850
1.190	12.780	-.30390	-.35180	-.44980
1.198	14.990	-.31130	-.35930	-.46060
	GRADIENT	.00200	.01152	.00567

RUN NO. 17/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.500	-4.790	-.30090	-.37210	-.38990
1.500	-2.670	-.30840	-.38230	-.37830
1.497	-.450	-.32240	-.39490	-.36990
1.498	1.760	-.32860	-.40130	-.36280
1.500	4.000	-.32440	-.39830	-.34110
1.499	6.190	-.31330	-.36940	-.31560
1.500	8.380	-.31100	-.35070	-.31650
1.500	10.590	-.29400	-.33390	-.32510
1.499	12.740	-.26720	-.31420	-.34180
1.501	14.980	-.25420	-.30410	-.34440
	GRADIENT	-.00305	-.00323	.00514

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+CUM STNG (AER005) (25 APR 74)

REFERENCE DATA

SREF = .6933 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1719 FT. ZMRP = -.3750 IN.
SCALE = .0139

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = 16.350

RUN NO. 23/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.003	-5.220	-.17300	-.21130	-.25690
2.003	-3.260	-.17770	-.21480	-.25750
2.004	-1.010	-.18710	-.22210	-.25890
2.003	1.320	-.19690	-.22720	-.26110
2.004	3.250	-.20320	-.23340	-.26330
2.003	5.300	-.20480	-.23680	-.25690
2.003	7.730	-.20390	-.23640	-.24630
2.003	9.880	-.20490	-.23840	-.24010
2.001	12.090	-.20210	-.23740	-.23750
2.001	14.250	-.19850	-.23640	-.24040
	GRADIENT	-.00396	-.00278	-.00089

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER006) (25 APR 74)

REFERENCE DATA

SREF = .0033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1719 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.601	-4.625	-.43950	-.46400	-.23700
.601	-2.490	-.42590	-.44360	-.22970
.601	-.540	-.41190	-.42760	-.21250
.601	1.770	-.40430	-.41520	-.20690
.601	3.940	-.38780	-.41330	-.20290
.601	6.030	-.38300	-.41370	-.19460
.601	8.230	-.35950	-.39470	-.18570
.599	10.360	-.35430	-.40000	-.19590
.599	12.480	-.35120	-.38540	-.20810
.599	14.670	-.34090	-.37630	-.22370
	GRADIENT	.00585	.00697	.00426

RUN NO. 19/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.900	-5.130	-.46 50	-.49620	-.28700
.901	-2.920	- .4150	-.46790	-.26570
.899	-.660	-.43240	-.45490	-.26330
.901	1.490	-.43160	-.45060	-.25580
.899	3.720	-.41230	-.42620	-.24170
.903	5.890	-.40310	-.41720	-.22860
.901	8.130	-.42500	-.46190	-.21700
.902	10.290	-.40570	-.44140	-.22180
.899	12.420	-.41190	-.46130	-.25250
.901	14.640	-.42550	-.48540	-.27060
	GRADIENT	.00401	.00587	.00361

RUN NO. 22/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.198	-5.040	-.43590	-.54010	-.40670
1.202	-2.920	-.42120	-.51500	-.35080
1.202	-.680	-.41680	-.49370	-.33790
1.200	1.570	-.40950	-.46290	-.34120
1.201	3.950	-.38530	-.41510	-.35190
1.203	6.060	-.31660	-.34550	-.36520
1.201	8.320	-.28170	-.31980	-.37080
1.197	10.590	-.27800	-.31930	-.38420
1.199	12.730	-.26750	-.31880	-.40940
1.197	15.010	-.26900	-.33010	-.43380
	GRADIENT	.00506	.01449	.00072

ARC 66-709 OA59 OA11A-(NZ4 R5 V8)+STRUT+DUM STNG (AER006) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000

RUN NO. 21/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.001	-5.310	-.16720	-.20830	-.24790
2.000	-3.170	-.17560	-.21620	-.25040
1.996	-1.010	-.18470	-.22220	-.25250
2.000	1.150	-.19420	-.22780	-.25500
1.999	3.290	-.20000	-.23310	-.25690
1.999	5.460	-.20130	-.23630	-.25170
1.999	7.650	-.20100	-.23670	-.24050
1.997	9.790	-.20300	-.23960	-.23710
1.997	11.950	-.20130	-.23950	-.23680
1.997	14.110	-.19680	-.23740	-.23710
	GRADIENT	-.00384	-.00261	-.00102

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AER007) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 42/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.599	-15.020	-.58650	-.29350	-.39040
.600	-9.700	-.45760	-.42600	-.31480
.601	-6.590	-.37840	-.42070	-.25940
.601	-4.480	-.38580	-.41830	-.24220
.600	-2.350	-.39720	-.43120	-.22810
.602	-.270	-.41560	-.36950	-.19980
.600	.810	-.41510	-.34610	-.19320
.601	1.820	-.40530	-.35430	-.21200
.601	3.910	-.40300	-.36250	-.25070
.595	6.000	-.36880	-.38970	-.25660
	GRADIENT	-.00227	.00763	.00064

RUN NO. 41/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.698	-15.040	-.52630	-.25560	-.41330
.701	-9.720	-.45450	-.40840	-.33320
.700	-6.560	-.38620	-.40920	-.25830
.698	-4.470	-.37840	-.42460	-.24410
.700	-2.510	-.39510	-.42620	-.22530
.700	-.250	-.39480	-.36940	-.21190
.700	.840	-.40170	-.34550	-.21110
.701	1.900	-.39740	-.35080	-.22270
.700	3.970	-.38580	-.37270	-.24670
.701	6.050	-.38120	-.43010	-.29100
	GRADIENT	-.00103	.00916	.00027

RUN NO. 40/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.800	-15.070	-.46530	-.27510	-.44500
.799	-9.670	-.46920	-.41010	-.33930
.800	-6.470	-.37020	-.39470	-.26600
.799	-4.350	-.37750	-.42730	-.25190
.800	-2.220	-.39640	-.43050	-.23340
.801	-.150	-.41060	-.37950	-.23010
.800	.980	-.37820	-.37540	-.22290
.801	2.020	-.39800	-.38350	-.22860
.800	4.150	-.37320	-.41170	-.26500
.802	6.230	-.36530	-.42390	-.29820
	GRADIENT	.00060	.00418	-.00063

ARC 66-709 OA59 OA11A-(N24 R5 V81+STRUT+DUM STNG (AER007) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 39/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.897	-15.030	-.46920	-.29690	-.46680
.898	-9.630	-.46970	-.42140	-.37370
.900	-6.410	-.36500	-.39320	-.29680
.900	-4.260	-.38340	-.43160	-.27310
.900	-2.150	-.40740	-.42630	-.25000
.897	.000	-.38960	-.39430	-.25850
.900	1.100	-.39370	-.42400	-.25630
.899	2.170	-.39590	-.43100	-.26410
.899	4.260	-.39290	-.46350	-.30000
.899	6.360	-.37010	-.42270	-.31210
	GRADIENT	-.00534	-.00303	-.00285

RUN NO. 38/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.200	-15.320	-.48790	-.50080	-.42640
1.199	-9.700	-.47110	-.50270	-.38260
1.200	-6.440	-.44090	-.51150	-.37300
1.200	-4.300	-.42830	-.50610	-.36390
1.198	-2.110	-.41260	-.47490	-.33010
1.196	.050	-.39660	-.44410	-.30940
1.195	1.180	-.40690	-.45980	-.32390
1.202	2.140	-.41480	-.47630	-.33600
1.200	4.450	-.43110	-.49280	-.35600
1.202	6.740	-.45210	-.51020	-.37960
	GRADIENT	-.00018	.00149	.00072

ARC 66-709 OA59 OA11A-(N24 R3 V8)+STRUT+DUM STNG (AER007) (25 APR 74)

REFERENCE DATA

SREF = .8033 SQ.FT. XMRP = 12.6259 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 37/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
2.001	-15.130	-.21230	-.22480	-.29710
2.001	-14.030	-.21310	-.22770	-.29650
2.001	-11.690	-.19850	-.22360	-.29170
2.001	-9.530	-.19290	-.22480	-.28530
2.003	-7.230	-.18560	-.22870	-.27400
2.003	-6.190	-.18620	-.23010	-.26900
2.003	-5.040	-.18650	-.23080	- 26550
2.003	-3.930	-.19220	-.23050	-.26180
2.003	-2.830	-.19520	-.22830	-.26070
2.003	-1.760	-.19510	-.22830	-.25550
2.003	-.650	-.19220	-.22470	-.25630
2.003	.430	-.19180	-.22560	-.25980
2.003	1.460	-.19450	-.22590	-.25830
2.000	2.560	-.20290	-.22940	-.26070
2.005	3.640	-.20230	-.22610	-.26230
1.998	4.770	-.20880	-.23230	-.26660
2.005	5.860	-.20520	-.23490	-.26690
2.003	6.950	-.20580	-.24170	-.27300
	GRADIENT	-.00163	-.00006	-.00056

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (AERO08) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 48/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.602	-12.000	-.45350	-.32970	-.32940
.598	-9.830	-.36230	-.31350	-.30690
.599	-6.690	-.30190	-.29210	-.25980
.600	-4.560	-.31970	-.32080	-.22680
.600	-2.470	-.34190	-.35710	-.20700
.600	-.370	-.33970	-.33100	-.18870
.599	.710	-.34180	-.32010	-.18240
.600	1.700	-.33280	-.31240	-.18880
.600	3.800	-.35390	-.34830	-.22910
.597	5.910	-.31080	-.32430	-.26150
	GRADIENT	-.00286	-.00021	.00116

RUN NO. 47/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.701	-12.030	-.41010	-.27300	-.33580
.698	-9.830	-.36570	-.32350	-.31670
.700	-6.660	-.30770	-.30430	-.26460
.700	-4.550	-.31940	-.31670	-.23520
.700	-2.420	-.33210	-.34490	-.20700
.701	-.310	-.34570	-.34710	-.19670
.700	.760	-.34510	-.33020	-.19090
.701	1.790	-.33490	-.31240	-.19340
.701	3.890	-.34320	-.31770	-.23030
.699	5.980	-.32730	-.31420	-.26370
	GRADIENT	-.00254	.00135	.00153

RUN NO. 46/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.798	-12.060	-.38680	-.27160	-.37760
.801	-9.870	-.40430	-.34290	-.36220
.801	-6.640	-.31840	-.30850	-.28210
.797	-4.490	-.33020	-.35420	-.24640
.800	-2.320	-.34560	-.37940	-.22520
.799	-.210	-.35360	-.37190	-.21480
.800	.860	-.35490	-.36560	-.21370
.800	1.880	-.34820	-.35760	-.21470
.800	4.070	-.32730	-.32120	-.22350
.803	6.150	-.31800	-.28570	-.27450
	GRADIENT	-.00012	.00387	.00280

ARC 66-709 OA59 OA11A-(M24 R5 V8)+STRUT+DUM STNG (AER008) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 45/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.901	-12.200	-.41920	-.30300	-.41090
.895	-9.810	-.38370	-.26750	-.36600
.902	-6.600	-.33640	-.32040	-.28300
.901	-4.420	-.35140	-.37610	-.26700
.900	-2.240	-.35460	-.38820	-.23890
.901	-.120	-.37780	-.41030	-.24710
.902	1.000	-.36410	-.40170	-.23970
.900	2.050	-.36840	-.39180	-.23950
.900	4.190	-.34410	-.36640	-.25460
.901	6.340	-.32130	-.30950	-.28490
	GRADIENT	-.00006	.00042	.00130

RUN NO. 44/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.199	-12.230	-.46140	-.47130	-.42750
1.201	-9.840	-.38660	-.39530	-.41110
1.199	-6.540	-.34530	-.36190	-.38650
1.200	-4.380	-.33480	-.34410	-.38950
1.201	-2.170	-.32270	-.34760	-.39010
1.199	-.040	-.26870	-.31060	-.38710
1.199	1.030	-.26290	-.30700	-.39030
1.198	2.110	-.25860	-.30160	-.39560
1.202	4.250	-.30410	-.32860	-.38890
1.201	6.300	-.33710	-.35330	-.40720
	GRADIENT	.00638	.00387	-.00029

RUN NO. 43/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.998	-12.030	-.25040	-.26530	-.26110
2.007	-9.580	-.25410	-.26680	-.28000
2.005	-6.230	-.23500	-.25160	-.26300
2.001	-4.080	-.22210	-.24580	-.24900
1.999	-1.900	-.21130	-.23990	-.23980
1.999	.280	-.20460	-.24050	-.23700
2.001	1.390	-.19840	-.24120	-.23140
2.002	2.430	-.19960	-.24460	-.23460
2.004	4.600	-.21170	-.25030	-.24140
2.006	6.810	-.22870	-.25890	-.26150
	GRADIENT	.00169	-.00056	.00110

ARC 66-709 OA39 OA11A-(N24 R5 V8)+STRUT (AER009) (25 APR 74)

REFERENCE DATA

SREF = .8033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 84/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.600	-4.040	-.39880	-.36110	-.23660
.598	-1.950	-.37730	-.35790	-.22700
.598	.160	-.36110	-.34860	-.20920
.601	2.310	-.37410	-.36550	-.20800
.602	4.450	-.35640	-.36730	-.20810
.601	6.480	-.34265	-.36650	-.20130
.602	8.700	-.33370	-.36820	-.20450
.601	10.910	-.31800	-.35010	-.21040
.599	13.020	-.31410	-.33610	-.22630
.600	15.220	-.30360	-.32890	-.24720
	GRADIENT	.00413	-.00095	.00337

RUN NO. 83/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.800	-4.330	-.35430	-.32850	-.26900
.800	-2.140	-.35700	-.31850	-.23960
.801	.060	-.36480	-.33990	-.23460
.803	.370	-.36670	-.34020	-.22940
.801	2.590	-.34650	-.33590	-.21060
.800	4.720	-.35790	-.37640	-.22570
.803	6.980	-.34800	-.36240	-.21840
.801	9.180	-.34180	-.37390	-.22220
.800	11.340	-.34080	-.37290	-.23970
.800	13.570	-.33600	-.35910	-.26390
.799	15.810	-.34040	-.35800	-.29850
	GRADIENT	.00016	-.00493	.00510

RUN NO. 82/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.897	-4.510	-.30880	-.29470	-.26200
.901	-2.380	-.33410	-.29790	-.25320
.900	-.190	-.34410	-.31260	-.24720
.901	2.020	-.34470	-.30680	-.22860
.900	4.230	-.33630	-.31620	-.23290
.900	6.460	-.34960	-.36360	-.24320
.900	10.950	-.38365	-.42770	-.26820
.898	13.160	-.38940	-.43430	-.29620
.898	15.470	-.41020	-.44120	-.31870
	GRADIENT	-.00299	-.00255	.00378

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AER009) (25 APR 74)

REFERENCE DATA

SREF = .0053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 81/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.202	-4.670	-.44760	-.54760	-.38900
1.200	-2.020	-.42970	-.51740	-.29390
1.202	.010	-.42140	-.48670	-.35840
1.204	.300	-.42610	-.48980	-.37190
1.199	2.550	-.40390	-.44510	-.35840
1.198	4.780	-.34090	-.36720	-.37690
1.200	7.060	-.26770	-.32140	-.38420
1.202	9.390	-.26330	-.31480	-.39930
1.199	11.550	-.25350	-.30150	-.41250
1.200	13.850	-.25660	-.30650	-.44770
1.199	16.070	-.23550	-.28750	-.44700
	GRADIENT	.01011	.01834	-.00137

RUN NO. 80/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.502	-4.030	-.30140	-.37100	-.36600
1.500	-2.000	-.31200	-.38280	-.36860
1.499	.110	-.32030	-.39270	-.35310
1.500	.500	-.31880	-.39240	-.34480
1.500	2.740	-.30950	-.38070	-.31550
1.499	4.930	-.30510	-.35510	-.31050
1.499	7.140	-.24320	-.28730	-.31660
1.500	9.410	-.22710	-.27080	-.32670
1.500	11.650	-.22570	-.27210	-.34550
1.499	13.880	-.21490	-.26710	-.35570
1.499	16.110	-.21020	-.26600	-.35970
	GRADIENT	-.00015	.00157	.00726

ARC 66-709 0439 0411A-(N24 R5 V8)+STRUT (AE6009) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6235 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3730 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVCN = .000
BDFLAP = -11.700

RUN NO. 79/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.993	-4.730	-.16620	-.20870	-.23845
1.991	-2.580	-.17570	-.21710	-.24320
1.996	-.450	-.18120	-.22180	-.24690
1.998	-.030	-.18690	-.22930	-.24770
1.999	1.740	-.19030	-.22640	-.24290
1.999	4.210	-.19890	-.23290	-.24690
1.999	6.420	-.20510	-.23800	-.25430
1.998	8.630	-.20540	-.23950	-.24820
1.996	10.830	-.20880	-.24290	-.25030
1.996	12.990	-.20520	-.24270	-.24960
1.996	15.190	-.20360	-.24410	-.25300
	GRADIENT	-.00364	-.00264	-.00079

ARC 66-709 0459 0411A-(ME4 R5 V8)+STRUT (AER018) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BCFLAP = -11.70

RUN NO. 66/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.600	-15.010	-.60360	-.44630	-.39210
.601	-9.760	-.39740	-.45830	-.36410
.600	-6.590	-.35240	-.42890	-.34410
.601	-4.490	-.34020	-.40270	-.28610
.602	-2.420	-.35870	-.38990	-.26860
.601	-.300	-.37040	-.36370	-.21710
.601	.750	-.38250	-.36700	-.22050
.600	1.790	-.36870	-.37830	-.23770
.596	3.860	-.35940	-.40600	-.28110
.600	5.950	-.35440	-.40780	-.30820
	GRADIENT	-.00273	.00066	.00268

RUN NO. 67/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.798	-15.080	-.48160	-.36340	-.42960
799	-9.690	-.44620	-.47860	-.38860
.799	-6.520	-.35540	-.42340	-.35500
.801	-4.390	-.35140	-.42250	-.30920
.802	-2.260	-.35350	-.39960	-.28180
.798	-.140	-.37680	-.34630	-.23500
.800	.930	-.35720	-.33640	-.24640
.801	1.980	-.34860	-.38300	-.26130
.800	4.110	-.36640	-.41010	-.30010
.801	6.160	-.34260	-.40430	-.33660
	GRADIENT	-.00113	.00260	.00238

RUN NO. 68/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.902	-15.070	-.49290	-.36100	-.45120
.898	-9.680	-.46390	-.48920	-.40250
.900	-6.450	-.36970	-.41770	-.36830
.900	-4.310	-.37490	-.43740	-.33550
.902	-2.170	-.35950	-.39860	-.28480
.901	-.030	-.34000	-.30540	-.23150
.902	1.050	-.34390	-.34600	-.27180
.900	2.080	-.36760	-.39300	-.28940
.902	4.210	-.37870	-.43740	-.33270
.902	6.300	-.37260	-.42400	-.37360
	GRADIENT	-.00035	.00125	.00033

ARC 66-709 0A59 0A11A-(N24 S5 V8)+STRUT (AER010) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9939 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 63/ 0 R /L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.199	-15.310	-.42290	-.45360	-.39780
1.202	-9.720	-.41440	-.45290	-.35570
1.199	-6.460	-.44830	-.52810	-.34870
1.200	-4.300	-.43290	- 52410	-.34360
1.200	-2.120	-.41240	-.49550	-.32190
1.200	.010	-.38980	-.45070	-.32080
1.199	1.110	-.40000	-.47620	-.32060
1.200	2.170	-.41550	-.50470	-.32530
1.200	4.350	-.44020	-.52510	-.34910
1.199	6.470	-.46440	-.53450	-.34730
	GRADIENT	-.00047	-.00007	-.00044

RUN NO. 64/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.499	-15.690	-.32700	-.36450	-.36300
1.499	-10.000	-.29770	-.38480	-.36040
1.499	-6.680	-.31080	-.40230	-.35690
1.500	-4.550	-.31770	-.40070	-.34680
1.500	-2.340	-.32780	-.39970	-.34470
1.500	-.210	-.32550	-.39200	-.34270
1.500	.920	-.32680	-.39580	-.34640
1.500	2.010	-.33930	-.39870	-.35190
1.500	4.180	-.33490	-.40190	-.34340
1.500	6.340	-.33570	-.40860	-.36350
	GRADIENT	-.00202	-.00001	.00016

RUN NO. 65/ 0 RN/L = 2.43 GRADIENT INTERVAL -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.9.4	-15.130	-.21550	-.22580	-.29970
1.997	-9.530	-.18740	-.22090	-.28170
1.997	-6.240	-.18140	-.22640	-.26360
1.997	-4.000	-.18560	-.22520	-.25290
1.997	-1.830	-.18730	-.22210	-.24140
1.997	.340	-.18300	-.22070	-.24240
1.997	1.370	-.18760	-.22310	-.24260
2.002	2.530	-.19080	-.22120	-.24290
1.997	4.730	-.19800	-.22370	-.25450
1.994	6.850	-.20540	-.24110	-.27020
	GRADIENT	-.00123	.00014	-.00014

ARC 66-709 OA59 OA11A-(NZ4 R5 V8)+STRUT (AER011) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 62/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.600	-4.610	-.30050	-.33530	-.25240
.599	-2.570	-.31520	-.36630	-.22440
.601	-.380	-.31620	-.36300	-.20690
.601	.600	-.32360	-.36330	-.20760
.601	1.610	-.31590	-.35700	-.21390
.601	3.820	-.31930	-.36350	-.25200
.600	5.830	-.29350	-.32370	-.31900
.599	7.900	-.30980	-.32760	-.37450
.600	11.130	-.45440	-.43310	-.42350
.602	16.320	-.44540	-.46630	-.57490
	GRADIENT	-.00197	-.00231	.00091

RUN NO. 61/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.701	-4.530	-.30970	-.34230	-.[illegible]880
.701	-2.390	-.31390	-.35350	-.22380
.699	-.340	-.32400	-.36550	-.21820
.700	.760	-.32610	-.35900	-.21420
.700	1.820	-.30890	-.35020	-.21610
.699	3.920	-.31250	-.35390	-.25690
.699	6.040	-.30350	-.31570	-.36190
.700	8.130	-.31110	-.33860	-.38120
.699	11.340	-.47510	-.38910	-.40510
.701	16.600	-.44750	-.47800	-.59180
	GRADIENT	-.00026	-.00103	.00190

RUN NO. 60/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.800	-4.490	-.31610	-.34890	-.25820
.800	-2.360	-.33050	-.37770	-.24280
.802	-.250	-.31460	-.35130	-.21300
.800	.850	-.31800	-.35340	-.21740
.798	1.960	-.32480	-.35850	-.22140
.798	4.090	-.30990	-.35040	-.24770
.800	6.160	-.28590	-.29640	-.26750
.799	8.390	-.30160	-.27790	-.29770
.801	11.340	-.42160	-.33560	-.35880
.803	16.870	-.40310	-.43490	-.55600
	GRADIENT	.00084	.00081	.00227

ARC 66-709 OA39 OA11A-(N24 R5 V8)+STRUT (AERO11) (29 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 59/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.900	-4.410	-.34510	-.39840	-.29400
.901	-2.280	-.37610	-.42400	-.26690
.894	-.120	-.35820	-.40950	-.26300
.900	1.020	-.36710	-.40790	-.24770
.899	2.100	-.36370	-.40410	-.25800
.900	4.250	-.33960	-.39050	-.27800
.902	6.400	-.31470	-.31070	-.27120
.900	8.540	-.30870	-.26540	-.29290
.900	11.760	-.34780	-.26960	-.33530
.899	17.170	-.39810	-.38280	-.41340
	GRADIENT	.00086	.00157	.00230

RUN NO. 58/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.203	-4.370	-.33740	-.34540	-.37240
1.202	-2.210	-.28760	-.32940	-.37820
1.202	-.010	-.25020	-.29430	-.39110
1.201	1.030	-.26870	-.31940	-.39280
1.201	2.170	-.30030	-.34920	-.38680
1.202	4.360	-.34480	-.36090	-.38170
1.201	6.470	-.35400	-.37170	-.38820
1.201	8.710	-.36560	-.38130	-.38270
1.203	9.760	-.37090	-.38470	-.37760
1.201	11.920	-.40460	-.40200	-.38810
1.199	17.500	-.42510	-.37050	-.37440
	GRADIENT	-.00060	-.00199	-.00142

RUN NO. 57/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.501	-4.590	-.28560	-.33380	-.34380
1.498	-2.410	-.27450	-.33360	-.35330
1.500	-.240	-.23760	-.29970	-.34410
1.501	.910	-.23570	-.29910	-.33760
1.502	1.990	-.23820	-.30500	-.33050
1.502	4.200	-.28340	-.33990	-.32190
1.502	6.390	-.28600	-.33580	-.32720
1.502	8.630	-.31120	-.35160	-.34030
1.502	11.900	-.32770	-.37120	-.33440
1.503	17.610	-.30180	-.30420	-.35150
	GRADIENT	.00232	.00115	.00299

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AERO11) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 56/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
2.000	-4.090	-.21180	-.25340	-.24890
2.000	-1.990	-.20530	-.24560	-.24340
2.000	.090	-.19540	-.24510	-.24540
2.000	1.270	-.18640	-.24670	-.23990
1.999	2.290	-.18190	-.24810	-.24200
2.000	4.510	-.18650	-.25150	-.24970
2.000	6.690	-.21370	-.26050	-.26090
2.000	9.010	-.23930	-.26920	-.26930
2.000	11.270	-.24040	-.27320	-.26660
2.000	12.410	-.24140	-.26770	-.26280
2.003	18.020	-.23740	-.25560	-.27970
	GRADIENT	.00355	.00009	.00019

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO12) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1710 FT. ZMRP = -.3750 IN.
SCALE = .0159

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 94/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.691	-4.140	-.34450	-.32300	-.33670
.691	-2.080	-.33660	-.32800	-.32970
.692	.160	-.38710	-.39060	-.37610
.690	2.240	-.31720	-.33540	-.30070
.690	4.360	-.31670	-.34390	-.30140
.691	6.530	-.30620	-.34850	-.29240
.691	8.660	-.30200	-.33870	-.28870
.691	10.870	-.28130	-.33270	-.29410
.692	12.980	-.27010	-.31670	-.31020
.691	15.160	-.26790	-.28840	-.31820
	GRADIENT	.00345	-.00237	.00461

RUN NO. 93/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.700	-4.300	-.32030	-.3?.280	-.33859
.701	-2.160	-.32430	-.30310	-.32110
.700	.010	-.32660	-.31280	-.30630
.699	2.200	-.32540	-.31880	-.29930
.700	4.340	-.31590	-.33630	-.30290
.701	6.510	-.31470	-.34760	-.28720
.701	8.710	-.30360	-.34890	-.28750
.701	10.880	-.29560	-.34550	-.30090
.702	15.050	-.28580	-.32360	-.31330
.700	15.250	-.28560	-.31160	-.33490
	GRADIENT	.00036	-.00290	.00430

RUN NO. 92/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.749	-4.400	-.32060	-.29670	-.33789
.752	-2.200	-.32610	-.30310	-.32809
.749	-.030	-.33100	-.31500	-.31299
.751	2.179	-.33230	-.33790	-.31780
.751	4.290	-.31110	-.33020	-.29560
.750	6.500	-.32220	-.35080	-.28860
.752	8.770	-.30960	-.35420	-.29510
.751	10.910	-.29860	-.34910	-.30550
.750	13.090	-.29480	-.32980	-.31770
.750	15.320	-.29200	-.30970	-.34070
	GRADIENT	.00057	-.00469	.00432

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AER012) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 91/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.800	-4.530	-.30910	-.29530	-.35370
.801	-2.290	-.31690	-.29990	-.32850
.800	-.120	-.32850	-.33900	-.33670
.800	2.060	-.31800	-.35160	-.30960
.798	4.270	-.33040	-.35040	-.30150
.801	6.490	-.32850	-.37240	-.29940
.801	8.680	-.31460	-.36690	-.29960
.802	10.860	-.31790	-.37030	-.32160
.801	13.030	-.29210	-.32250	-.31370
.801	15.300	-.31540	-.33570	-.36240
	GRADIENT	-.00199	-.00646	.00562

RUN NO. 90/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.850	-4.600	-.31800	-.31790	-.38240
.850	-2.370	-.30670	-.30240	-.34840
.851	-.210	-.32860	-.32660	-.33670
.851	2.020	-.34230	-.36410	-.32350
.851	4.230	-.34630	-.38440	-.31610
.851	6.390	-.34640	-.38530	-.30760
.849	8.650	-.34130	-.38830	-.31130
.849	10.850	-.32770	-.37100	-.31530
.849	13.010	-.32710	-.36510	-.34690
.849	15.280	-.33000	-.35640	-.36960
	GRADIENT	-.00418	-.00946	.00696

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.901	-4.690	-.31460	-.33150	-.39660
.900	-2.440	-.33000	-.34210	-.37560
.902	-.210	-.32050	-.33150	-.34980
.902	2.040	-.30860	-.32480	-.33360
.900	4.220	-.31580	-.33210	-.32990
.901	6.430	-.35120	-.36680	-.32290
.900	8.630	-.36540	-.41810	-.31500
.900	10.880	-.35990	-.43310	-.33260
.900	13.010	-.36650	-.40650	-.34600
.901	15.300	-.39250	-.42460	-.37640
	GRADIENT	.00085	.00072	.00787

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO12) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.8255 IN.
LREF = .9335 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.790

RUN NO. 66/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.952	-4.670	-.48640	-.54840	-.43220
.948	-2.440	-.37070	-.40460	-.38230
.951	-.240	-.45870	-.46430	-.40540
.950	2.080	-.39980	-.39010	-.34500
.948	4.370	-.41310	-.39320	-.31560
.951	6.580	-.43700	-.42600	-.31480
.950	8.700	-.44740	-.44060	-.31590
.951	10.930	-.44640	-.44790	-.34220
.951	13.130	-.46040	-.47040	-.39700
.952	15.390	-.45750	-.44640	-.42760
	GRADIENT	.00521	.01437	.01206

RUN NO. 67/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.201	-4.600	-.43380	-.62660	-.43470
1.202	-2.350	-.41730	-.57190	-.43290
1.202	-.130	-.40750	-.53330	-.43360
1.202	2.070	-.39540	-.48540	-.42070
1.202	4.320	-.36970	-.41340	-.42190
1.202	6.670	-.27980	-.33710	-.41840
1.198	8.870	-.24970	-.30570	-.41140
1.198	11.080	-.25350	-.31010	-.42580
1.200	13.360	-.25650	-.30840	-.44310
1.201	15.570	-.24890	-.30410	-.44560
	GRADIENT	.00675	.02305	.00170

RUN NO. 68/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.499	-4.350	-.29110	-.38710	-.31220
1.500	-2.050	-.29990	-.39640	-.32330
1.501	.110	-.31150	-.40430	-.33460
1.499	.500	-.31240	-.40650	-.33740
1.499	2.690	-.31610	-.40980	-.35130
1.498	4.930	-.29940	-.39750	-.36270
1.498	7.220	-.29920	-.37830	-.37000
1.498	9.400	-.26140	-.31960	-.37370
1.497	11.600	-.23940	-.28850	-.37730
1.496	13.970	-.22290	-.26950	-.36930
1.498	16.060	-.21650	-.26770	-.36950
	GRADIENT	-.00142	-.00149	-.00354

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO12) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 65/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.997	-4.840	-.15190	-.20830	-.19250
2.005	-2.700	-.15650	-.21240	-.19790
2.002	-.550	-.16540	-.21780	-.20560
1.999	1.690	-.17750	-.22580	-.21900
1.999	3.890	-.18660	-.23170	-.23680
1.996	6.040	-.19650	-.23730	-.24800
1.996	8.170	-.20140	-.23870	-.24700
1.999	10.360	-.20430	-.24020	-.24560
1.999	12.610	-.20460	-.24210	-.24560
1.999	14.880	-.20650	-.24320	-.25260
	GRADIENT	-.00414	-.00276	-.00503

ARC 66-759 0A59 0A11A-(R5 V8)+STRUT (AERO13) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 115/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.600	-3.910	-.35510	-.35960	-.42140
.601	-1.790	-.34540	-.33450	-.38080
.601	.370	-.34810	-.35150	-.37580
.601	2.460	-.33750	-.37090	-.37530
.601	4.590	-.34430	-.37080	-.35210
.600	6.760	-.35240	-.38140	-.35280
.599	8.940	-.33800	-.37230	-.35610
.600	11.190	-.32760	-.36010	-.35210
.601	13.370	-.32440	-.35760	-.36920
.601	15.590	-.33150	-.35150	-.38770
	GRADIENT	.00139	-.00276	.00678

RUN NO. 114/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.698	-4.040	-.34370	-.32960	-.41560
.698	-1.910	-.31510	-.31590	-.38620
.699	.290	-.33110	-.30880	-.36110
.700	2.410	-.33550	-.33370	-.36340
.701	4.620	-.33640	-.36940	-.35870
.699	6.800	-.35640	-.38350	-.35640
.701	9.050	-.34960	-.38570	-.35650
.700	11.190	-.35900	-.39570	-.36430
.700	13.420	-.35500	-.37790	-.37410
.697	15.610	-.36790	-.38190	-.41040
	GRADIENT	-.00028	-.00451	.00631

RUN NO. 113/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.800	-4.250	-.30420	-.30550	-.42320
.801	-2.020	-.29360	-.27400	-.36820
.801	.130	-.30430	-.29650	-.36350
.801	2.370	-.31940	-.32830	-.36650
.800	4.570	-.35290	-.37560	-.36550
.801	6.770	-.36490	-.41130	-.36860
.800	8.990	-.37670	-.42320	-.36690
.800	11.090	-.37600	-.41730	-.37930
.801	13.260	-.38460	-.42230	-.40580
.800	15.540	-.39890	-.42690	-.43390
	GRADIENT	-.00350	-.00882	.00534

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO13) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 112/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.900	-4.430	-.32630	-.36990	-.46930
.903	-2.210	-.29930	-.31690	-.42920
.902	.000	-.29190	-.30140	-.38500
.901	2.280	-.29110	-.28510	-.34500
.902	4.470	-.30700	-.30450	-.35020
.901	6.720	-.40690	-.42840	-.38050
.899	8.920	-.44530	-.51260	-.40310
.902	11.100	-.46800	-.52680	-.41520
.901	13.340	-.48110	-.54750	-.43340
.900	15.530	-.49000	-.55860	-.45980
	GRADIENT	.00210	.00730	.01447

RUN NO. 111/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.198	-4.550	-.46270	-.61500	-.47360
1.202	-2.310	-.45240	-.60210	-.47690
1.202	-.110	-.44430	-.58300	-.47800
1.199	2.290	-.43840	-.55390	-.46190
1.198	4.520	-.41860	-.49340	-.47170
1.202	6.730	-.39650	-.42240	-.47530
1.199	9.090	-.31570	-.36970	-.46100
1.200	11.310	-.30920	-.36060	-.47850
1.200	13.580	-.31260	-.36380	-.49620
1.199	15.850	-.29350	-.34650	-.48610
	GRADIENT	.00449	.01283	.00093

RUN NO. 110/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.500	-4.330	-.29820	-.38800	-.32640
1.500	-2.140	-.31050	-.39850	-.33840
1.500	.110	-.31970	-.40750	-.34730
1.498	2.270	-.32960	-.41630	-.36020
1.499	4.580	-.32040	-.41370	-.37490
1.499	6.710	-.32010	-.41700	-.38430
1.502	8.970	-.32850	-.42220	-.39380
1.501	11.230	-.33200	-.40620	-.40170
1.500	13.460	-.31150	-.37840	-.40530
1.501	15.750	-.23690	-.28830	-.39620
	GRADIENT	-.00284	-.00310	-.00535

ARC 66-709 OA59 OA11A-(RS V8)+STRUT (AERO13) (25 APR 74

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.00
BOFLAP = -11.700

RUN NO. 109/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.001	-4.860	-.15240	-.20980	-.19460
2.001	-2.650	-.16010	-.21460	-.20060
2.001	-.540	-.16790	-.22030	-.20680
2.001	1.600	-.17850	-.22550	-.21980
2.001	3.910	-.18520	-.23090	-.23480
1.998	6.010	-.19380	-.23520	-.24480
2.001	8.140	-.19910	-.23580	-.24460
2.003	10.360	-.20370	-.24030	-.24490
2.001	12.480	-.20280	-.24090	-.24330
2.001	14.670	-.20450	-.24340	-.25020
	GRADIENT	-.00385	-.00244	-.00458

ARC 66-709 OA59 OA11A-(RS V8)+STRUT (AER014) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 101/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.602	-3.970	-.48920	-.57670	-.33690
.600	-1.880	-.47390	-.56240	-.32290
.601	.270	-.46340	-.54670	-.29530
.599	2.360	-.45200	-.55720	-.30400
.598	4.480	-.42860	-.57830	-.31310
.599	6.630	-.41280	-.57270	-.33220
.600	8.720	-.38730	-.55150	-.32730
.599	10.880	-.38330	-.53280	-.32730
.600	13.040	-.37940	-.50340	-.31710
.599	15.200	-.37510	-.47890	-.34240
	GRADIENT	.00677	.00010	.00315

RUN NO. 100/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.698	-3.710	-.49010	-.57130	-.34050
.701	-1.630	-.48830	-.55870	-.32930
.702	.530	-.47960	-.57220	-.32970
.701	2.690	-.46580	-.56430	-.30210
.698	4.900	-.44210	-.56380	-.31190
.698	7.030	-.43400	-.58400	-.32850
.699	9.240	-.41590	-.56870	-.32720
.699	11.4(	-.41540	-.55120	-.32280
.700	13.570	-.40910	-.52750	-.33810
.699	15.760	-.40520	-.48660	-.36440
	GRADIENT	.00552	-.00144	.00391

RUN NO. 99/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.801	-3.900	-.51540	-.58110	-.35540
.801	-1.750	-.56220	-.64450	-.40280
.801	.440	-.50620	-.58360	-.32360
.801	2.660	-.51470	-.63720	-.33080
.801	4.850	-.49680	-.63760	-.32940
.801	7.030	-.47090	-.60930	-.32590
.798	9.190	-.46260	-.59850	-.33150
.798	11.410	-.47100	-.58510	-.33300
.799	13.620	-.46520	-.56910	-.36790
.799	15.790	-.45680	-.54130	-.39880
	GRADIENT	.00388	-.00482	.00567

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO14) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9033 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = 16.300

RUN NO. 98/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.903	-4.580	-.51960	-.61100	-.41280
.900	-2.290	-.53300	-.61570	-.39640
.901	.040	-.52650	-.60610	-.37040
.902	.370	-.53660	-.62960	-.38950
.898	2.470	-.52350	-.62570	-.35930
.899	4.760	-.51640	-.65330	-.34890
.900	6.950	-.53160	-.66700	-.35240
.898	9.110	-.50310	-.64790	-.35900
.900	11.320	-.53290	-.66720	-.36460
.897	13.550	-.51700	-.6[illegible]820	-.37090
.899	15.810	-.53520	-.63790	-.42530
	GRADIENT	.00062	-.00409	.00697

RUN NO. 97/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.202	-4.630	-.44360	-.61990	-.43180
1.200	-2.420	-.42930	-.59880	-.42530
1.200	-.170	-.42810	-.[illegible]6520	-.42690
1.202	2.110	-.42660	-.54000	-.42260
1.201	4.340	-.41500	-.48640	-.42660
1.200	6.570	-.39850	-.43660	-.43050
1.199	8.860	-.39100	-.41690	-.43[illegible]00
1.199	11.090	-.38420	-.40290	-.44470
1.203	13.350	-.35750	-.38640	-.46060
1.198	15.600	-.33480	-.38380	-.46290
	GRADIENT	.00266	.01432	.00056

RUN NO. 96/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.500	-4.350	-.29260	-.38550	-.31440
1.501	-2.190	-.30230	-.39640	-.32420
1.500	.050	-.31230	-.40620	-.33600
1.500	2.230	-.30760	-.40280	-.34670
1.499	4.460	-.30770	-.40430	-.36190
1.500	6.710	-.30510	-.39500	-.37070
1.498	8.900	-.29730	-.37970	-.37080
1.497	11.120	-.30190	-.37100	-.37670
1.502	13.330	-.30440	-.35010	-.37620
1.498	15.570	-.26460	-.31470	-.36740
	GRADIENT	-.00161	-.00199	-.00333

ARC 66-709 0459 0A11A-(RS V8)+STRUT (AER014) (23 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0139

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 93/ 0 RN/L = 2.47 GRADIENT INTERVAL = -9.00/ 9.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.000	-4.780	-.19100	-.20770	-.19250
2.003	-2.660	-.15850	-.21460	-.19040
2.000	-.540	-.16700	-.21830	-.20580
2.000	1.620	-.17580	-.22380	-.21670
1.997	3.840	-.18420	-.23010	-.23240
1.997	5.970	-.19350	-.23430	-.24340
1.997	8.150	-.20060	-.23740	-.24390
2.003	10.330	-.20370	-.23950	-.24580
1.997	12.510	-.20320	-.23980	-.24570
1.997	14.740	-.20280	-.24020	-.25050
	GRADIENT	-.00389	-.00251	-.00456

ARC 66-709 0A59 0A11A-(RS V8)+STRUT (AERO1S) (25 APR 74)

REFERENCE DATA

SREF = .0093 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0193

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = .000

RUN NO. 108/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.599	-4.170	-.41050	-.46620	-.31640
.599	-2.050	-.40890	-.45090	-.31470
.601	.100	-.39910	-.44090	-.29790
.599	2.240	-.39040	-.44010	-.29760
.600	4.400	-.38570	-.44310	-.28850
.600	6.620	-.37470	-.45020	-.28360
.600	8.690	-.35780	-.44240	-.28750
.600	10.840	-.34250	-.41870	-.28940
.600	13.000	-.33070	-.39660	-.30810
.600	15.170	-.31670	-.37210	-.31670
	GRADIENT	.00313	.00265	.00340

RUN NO. 107/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.700	-4.280	-.41880	-.47440	-.34240
.700	-2.130	-.40970	-.46060	-.32590
.702	.080	-.41550	-.44410	-.30920
.701	2.170	-.39490	-.43570	-.29480
.700	4.360	-.40090	-.45570	-.29570
.700	6.510	-.38450	-.45930	-.28320
.699	8.730	-.38180	-.45210	-.28890
.702	10.920	-.35920	-.43480	-.28880
.699	13.050	-.35030	-.4.460	-.31190
.699	15.260	-.34310	-.40010	-.33650
	GRADIENT	.00233	.00253	.00577

RUN NO. 106/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.799	-4.479	-.43640	-.47850	-.34720
.801	-2.260	-.42960	-.46910	-.33450
.800	-.120	-.41620	-.45910	-.30920
.801	2.140	-.43950	-.46780	-.31140
.800	4.290	-.41820	-.48570	-.29450
.799	6.470	-.42840	-.51020	-.29830
.799	8.680	-.41000	-.49010	-.29480
.798	10.886	-.39990	-.47510	-.30080
.801	13.030	-.37850	-.44280	-.32650
.799	15.260	-.36020	-.44290	-.36030
	GRADIENT	.00119	-.00149	.00585

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (AERO15) (25 APR 74)

REFERENCE DATA

SREF = .6055 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BRE. = 1.1710 FT ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
RFLAP = .000

RUN NO. 103/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.899	-4.710	-.45350	-.48970	-.35990
.900	-2.390	-.43950	-.48960	-.34970
.899	-.210	-.44300	-.48650	-.33710
.899	2.040	-.45040	-.49580	-.33740
.901	4.260	-.43520	-.48530	-.31510
.902	6.390	-.44340	-.50380	-.30290
.898	8.640	-.43190	-.53840	-.31050
.899	10.860	-.46260	-.51120	-.31480
.902	13.000	-.44650	-.50680	-.33920
.899	15.280	-.45050	-.51510	-.36300
	GRADIENT	.00116	.00011	.00455

RUN NO. 104/ 0 RN/L 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.199	-4.670	-.42530	-.63030	-.41490
1.200	-2.420	-.41450	-.56500	-.41070
1.203	-.210	-.40730	-.5[illegible]310	-.41010
1.202	2.040	-.40039	-.48860	-.40580
1.204	4.280	-.38420	-.4[illegible]340	-.41160
1.202	6.52[illegible]	-.34170	-.3[illegible]380	-.40970
1.201	8.780	-.30910	-.34080	-.41720
1.198	11.020	-.30010	-.33960	- 42230
1.204	13.290	-.28150	-.33340	-.44720
1.200	15.500	-.26140	-.30920	-.43730
	GRADIENT	.00431	.02058	.00051

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.501	-4.470	-.28650	-.38480	-.30550
1.500	-2.240	-.29630	-.39580	-.31900
1.500	.030	-.30620	-.40440	-.33180
1.498	2.180	-.30510	-.40420	-.34370
1.498	4.420	-.29620	-.38660	-.35480
1.498	6.600	-.28950	-.38050	-.36170
1.498	8.850	-.29100	-.37940	-.36710
1.498	11.040	-.26090	-.31890	-.37260
1.498	13.290	-.21760	-.26460	-.36160
1.497	15.510	-.21360	-.26330	-.35930
	GRADIENT	-.00128	-.00055	-.00555

ARC 66-709 OA39 OA11A-(RS V8)+STRUT (AERO15) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = .000

RUN NO. 102/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.005	-4.890	-.14910	-.20740	-.18970
2.006	-2.690	-.15470	-.21060	-.19530
2.001	-.590	-.16510	-.21830	-.20470
2.001	1.580	-.17470	-.22460	-.21710
2.001	3.760	.18270	-.22990	-.23160
2.001	5.940	-.19050	-.23290	-.24110
2.001	8.070	-.19590	-.23570	-.24160
1.999	10.270	-.20070	-.23930	-.24380
1.999	12.440	-.20060	-.24100	-.24290
1.999	14.700	-.20260	-.24270	-.25090
	GRADIENT	-.00404	-.00273	.00490

ARC 66-709 OA59 OA11A-(NZ4 R5 V6)+STRUT (AERO16) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 76/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.600	-15.070	-.63740	-.45400	-.44910
.599	-9.770	-.46370	-.49750	-.43000
.600	-6.670	-.35950	-.43040	-.40860
.600	-4.500	-.34770	-.41700	-.38550
.600	-2.390	-.32540	-.35490	-.33050
.598	-.300	-.32960	-.34890	-.32070
.598	.710	-.34670	-.35490	-.32130
.598	1.770	-.35270	-.35910	-.31650
.598	3.910	-.34790	-.40310	-.35640
.599	5.930	-.33520	-.41810	-.37690
	GRADIENT	-.00140	.00150	.00375

RUN NO. 77/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.698	-15.050	-.58120	-.43300	-.46820
.703	-9.740	-.46850	-.50480	-.43740
.702	-6.620	-.36280	-.43640	-.41280
.702	-4.510	-.35220	-.41050	-.38330
.702	-2.340	-.33820	-.35900	-.33210
.701	-.260	-.32040	-.31530	-.30400
.702	.850	-.33240	-.33780	-.31770
.701	1.850	-.33900	-.35170	-.31070
.701	3.900	-.34720	-.38780	-.35460
.701	6.010	-.36180	-.42500	-.39250
	GRADIENT	.00059	.00308	.00413

RUN NO. 78/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.799	-15.510	-.51190	-.47580	-.52860
.801	-10.130	-.52320	-.53370	-.45600
.798	-6.890	-.37510	-.45260	-.41720
.802	-4.870	-.34860	-.41860	-.38550
.801	-2.650	-.34320	-.37910	-.35090
.799	-.450	-.32020	-.32930	-.31420
.800	.660	-.34140	-.37410	-.35030
.805	.900	-.34780	-.37090	-.34300
.799	1.860	-.34170	-.36720	-.32060
.797	3.950	-.34880	-.40990	-.36700
.802	6.120	-.36790	-.45660	-.41620
	GRADIENT	-.00011	.00159	.00302

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AERO16) (13 JUN 74)

REFERENCE DATA

SREF = .6955 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.901	-15.420	-.57770	-.49330	-.57150
.899	-10.070	-.55520	-.5888(	-.50130
.899	-6.870	-.39350	-.48130	-.44940
.899	-4.740	-.36930	-.46080	-.42190
.904	-2.540	-.37010	-.40880	-.37770
.901	-.380	-.34370	-.35080	-.35620
.899	.680	-.35020	-.36680	-.35860
.903	.920	-.35330	-.3714(	-.35300
.900	1.700	- 3583(	-.3845(	-.34610
.900	3.830	-.38420	-.4484(	-.38490
.905	5.960	-.38660	-.4756(	-.42390
	GRADIENT	-.00029	.00381	.00557

RUN NO. 74/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.200	-15.730	-.49180	-.52350	-.47160
1.201	-10.090	-.49410	-.59510	-.45100
1.199	-6.830	-.47020	-.58960	-.43900
1.201	-4.650	-.45560	-.55910	-.42230
1.203	-2.550	-.41980	-.52590	-.41110
1.199	-.310	-.41060	-.51880	-.39870
1.201	.730	-.39810	-.51310	-.40160
1.203	1.820	-.40390	-.51100	-.40270
1.201	3.990	-.44330	-.52840	-.41180
1.202	6.360	-.46680	-.56490	-.42540
	GRADIENT	.00235	.00373	.00148

RUN NO. 73/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.499	-16.140	-.36370	-.40980	-.36210
1.500	-10.400	-.30350	-.42580	-.34900
1.499	-7.130	-.28050	-.42100	-.34130
1.500	-4.860	-.28010	-.40020	-.33000
1.500	-2.690	-.32080	-.38010	-.31920
1.500	-.470	-.32430	-.39420	-.32980
1.500	.480	-.31080	-.40390	-.33480
1.500	1.690	-.32370	-.39390	-.33110
1.500	3.850	-.29370	-.37760	-.32640
1.502	5.990	-.30840	-.39850	-.33650
	GRADIENT	-.00141	.00117	-.00034

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AERO18) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
MREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .090
BDFLAP = -11.700

RUN NO. 72/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.997	-15.190	-.20710	-.22610	-.26560
2.002	-9.510	-.18050	-.21940	-.24960
1.998	-6.190	-.17140	-.21710	-.23720
1.998	-3.960	-.17090	-.21850	-.22460
2.001	-1.720	-.17320	-.21680	-.21370
2.001	.450	-.16730	-.21710	-.20780
2.000	1.100	-.17190	-.21680	-.20530
2.001	1.540	-.17410	-.21720	-.20500
1.998	2.640	-.17910	-.21880	-.20910
2.001	4.800	-.18480	-.22000	-.21540
2.001	8.930	-.19080	-.22670	-.22250
	GRADIENT	-.00145	-.00019	.00126

ARC 66-709 OA59 CA11A-(N24 R5 V8)+STRUT (AER017) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 71/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.198	-15.260	-.45160	-.47620	-.46990
1.198	-9.740	-.47750	-.58270	-.44930
1.198	-6.450	-.46490	-.58140	-.43810
1.201	-4.280	-.45510	-.55990	-.42460
1.201	-2.140	-.42140	-.53790	-.40590
1.201	.020	-.40130	-.51810	-.40390
1.200	1.150	-.40270	-.52710	-.41010
1.202	2.190	-.41530	-.52300	-.40360
1.199	4.330	-.46180	-.55250	-.42470
1.200	6.470	-.48170	-.58080	-.42640
	GRADIENT	.00023	.00157	.00014

RUN NO. 70/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.500	-15.710	-.35930	-.40920	-.36330
1.499	-10.020	-.30670	-.42600	-.35240
1.500	-6.710	-.28010	-.41790	-.34050
1.500	-4.530	-.27800	-.39110	-.32930
1.500	-2.320	-.31780	-.38350	-.31940
1.499	- 120	-.31420	-.39900	-.33550
1.499	.960	-.31880	-.40260	-.33700
1.500	2.060	-.31720	-.38960	-.33010
1.502	4.210	-.30830	-.38090	-.32880
1.501	6.380	-.32500	-.39860	-.34150
	GRADIENT	-.00293	.00038	-.00059

RUN NO. 69/ 0 RN/L = 2.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.999	-15.140	-.20840	-.22740	-.26570
1.999	-9.500	-.18490	-.22150	-.25330
2.001	-6.210	-.17400	-.21830	-.23930
2.001	-3.970	-.17200	-.21700	-.22500
1.999	-1.810	-.17460	-.21870	-.21580
1.999	.380	-.16990	-.21940	-.20810
1.998	1.480	-.17730	-.21940	-.20690
2.001	2.550	-.17870	-.21880	-.20650
2.006	4.700	-.18600	-.22090	-.21610
2.004	6.890	-.19330	-.22840	-.22490
	GRADIENT	-.00147	-.00036	.00137

ARC 66-709 OA59 OA11A-(M24 R5 V8)+STRUT (AERO18) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5933 FT. YMRP = .0000 IN.
BREF = 1.[illegible] FT ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 55/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.601	-4.620	-.28540	-.36180	-.32710
.603	-2.450	-.28420	-.34140	-.29830
.600	-.340	-.28170	-.33110	-.28950
.599	.770	-.28740	-.33370	-.29020
.600	1.700	-.28540	-.34420	-.28490
.599	3.790	-.29440	-.37750	-.31840
.599	5.890	-.28950	-.33000	-.34770
.599	8.090	-.32740	-.33620	-.37170
.599	11.160	-.47890	-.38700	-.38520
.599	16.250	-.44460	-.51980	-.56220
	GRADIENT	-.00091	-.00117	.00176

RUN NO. 54/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.698	-4.570	-.30260	-.37170	-.33650
.697	-2.390	-.29120	-.33680	-.29960
.696	-.280	-.29780	-.33560	-.29400
.696	.720	-.29570	-.34730	-.29520
.697	1.840	-.29320	-.34780	-.30035
.696	3.880	-.30050	-.36920	-.31970
.699	5.990	-.29750	-.35180	-.36660
.698	8.100	-.32100	-.32170	-.37180
.697	11.280	-.49640	-.38850	-.40660
.697	16.510	-.45650	-.53650	-.57260
	GRADIENT	.00014	-.00013	.00186

RUN NO. 55/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.798	-4.520	-.31010	-.36170	-.33510
.802	-2.360	-.31290	-.37060	-.32350
.800	-.230	-.30470	-.34770	-.30320
.799	.790	-.31690	-.36490	-.31430
.798	1.960	-.31620	-.37300	-.31620
.798	4.120	-.31000	-.37420	-.33250
.795	6.150	-.29710	-.32800	-.33740
.799	8.340	-.32640	-.33250	-.39190
.799	11.490	-.48990	-.39000	-.46260
.797	16.840	-.45340	-.53890	-.57320
	GRADIENT	-.00025	-.00125	.00569

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AERO18) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.900	-4.480	-.35600	-.41740	-.36070
.900	-2.230	-.38090	-.43370	-.34260
.900	-.090	-.38690	-.43740	-.33730
.902	.960	-.38930	-.43610	-.33250
.901	2.080	-.36270	-.43390	-.33700
.901	4.170	-.37440	-.43360	-.35340
.901	6.430	-.35100	-.37660	-.37140
.901	8.570	-.37540	-.34800	-.40210
.897	11.740	-.40780	-.33970	-.44180
.899	17.150	-.43320	-.43270	-.35420
	GRADIENT	-.00119	-.00159	.00121

RUN NO. 51/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.200	-4.400	-.34070	-.36510	-.43710
1.201	-2.280	-.26940	-.32340	-.42550
1.198	-.010	-.25250	-.30660	-.42710
1.198	1.040	-.27350	-.33190	-.43000
1.199	2.210	-.29460	-.35220	-.42430
1.201	4.270	-.35200	-.39160	-.41910
1.202	6.400	-.36630	-.41150	-.42570
1.203	8.610	-.37950	-.41480	-.43600
1.204	11.880	-.44520	-.45370	-.43150
1.197	17.430	-.47630	-.43930	-.48060
	GRADIENT	-.00156	-.00334	.00160

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.501	-4.630	-.26150	-.28530	-.36840
1.502	-2.430	-.24620	-.29150	-.37440
1.502	-.250	-.24660	-.30510	-.37670
1.501	.810	-.25120	-.31580	-.37460
1.501	1.930	-.23140	-.28420	-.35390
1.502	4.160	-.28130	-.32650	-.35600
1.502	6.330	-.27720	-.33340	-.35410
1.502	8.610	-.27060	-.31910	-.36420
1.502	11.810	-.35450	-.44570	-.35240
1.502	17.430	-.32990	-.33910	-.37670
	GRADIENT	-.00109	-.00368	.00187

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (AERO18) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 49/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
2.001	-4.130	-.21460	-.24430	-.25200
2.006	-1.860	-.20770	-.23870	-.24870
2.001	.290	-.20180	-.24160	- 24390
1.998	1.400	-.19810	-.24490	-.25110
1.998	2.410	-.19570	-.24540	-.24490
1.998	4.670	-.20450	-.24800	-.24500
1.998	9.050	-.23140	-.25730	-.23980
1.998	12.430	-.23860	-.26390	-.25410
1.998	17.860	-.23470	-.24770	-.27180
	GRADIENT	.00156	-.00065	.00056

ARC 66-709 0A59 0A11A-(M24) (AERO19) (13 JUN 74)

REFERENCE DATA

SREF = .8053 FT. XMRP = 12.6235 IN.
LREF = .5933 . YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = -11.700 SPOBRK = 25.000

RUN NO. 123/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.596	-4.000	-.24460	-.40760	-.16670
.595	-2.000	-.26110	-.41190	-.16890
.595	.100	-.26040	-.39070	-.16610
.597	2.170	-.26680	-.36160	-.16370
.597	4.260	-.28090	-.35130	-.15550
.597	6.310	-.28210	-.34770	-.15310
.597	8.430	-.29080	-.34070	-.15140
.597	10.480	-.28690	-.32590	-.15559
.596	12.620	-.28910	-.35610	-.16930
.596	14.670	-.29300	-.39670	-.19469
	GRADIENT	-.00370	.00789	.00134

RUN NO. 122/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.601	-4.270	-.25640	-.44680	-.20380
.602	-2.230	-.28030	-.40870	-.17639
.600	-.090	-.27930	-.41750	-.18640
.600	2.060	-.28610	-.39160	-.17469
.601	4.100	-.29930	-.38580	-.17460
.602	6.200	-.30100	-.39240	-.17700
.603	8.330	-.31260	-.39410	-.17820
.600	10.460	-.31430	-.40960	-.18659
.602	12.550	-.31600	-.42970	-.19840
.601	14.710	-.32020	-.47890	-.22150
	GRADIENT	-.00444	.00661	.00285

RUN NO. 121/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.650	-4.320	-.28640	-.45300	-.15690
.650	-2.280	-.28540	-.44850	-.19680
.650	-.170	-.28800	-.42450	-.18870
.650	1.960	-.29870	-.42070	-.18930
.652	4.050	-.30200	-.40820	-.18580
.650	6.130	-.30770	-.40050	-.17400
.649	8.290	-.31480	-.41700	-.18680
.649	10.330	-.31770	-.43120	-.19140
.648	12.469	-.33430	-.46490	-.21479
.649	14.560	-.35220	-.50600	-.24000
	GRADIENT	-.00213	.00560	.00142

ARC 66-70° OA59 OA11A-(NZ4) (AER019) (15 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
SCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.901	-4.400	-.29850	-.47220	-.21390
.898	-2.270	-.30100	-.45660	-.19610
.900	-.160	-.30420	-.44100	-.19680
.902	1.930	-.29870	-.39780	-.18180
.899	4.020	-.30740	-.39940	-.18630
.900	6.100	-.32390	-.38220	-.18810
.901	8.260	-.31910	-.41760	-.17890
.900	10.320	-.34740	-.44460	-.20060
.899	12.480	-.35400	-.45160	-.21200
.902	14.530	-.38280	-.48030	-.24890
	GRADIENT	-.00074	.00971	.00302

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.951	-4.460	-.40910	-.50090	-.26050
.952	-2.330	-.39670	-.43550	-.24400
.951	-.210	-.34370	-.37860	-.24280
.951	1.930	-.31030	-.32870	-.23080
.951	4.060	-.28830	-.31260	-.23310
.952	6.150	-.28790	-.29080	-.21260
.949	8.280	-.32580	-.33940	-.23760
.949	10.390	-.33160	-.36830	-.28030
.950	12.450	-.37310	-.41640	-.30890
.950	14.610	-.37610	-.40480	-.30490
	GRADIENT	.01540	.02269	.00319

RUN NO. 118/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.200	-3.980	-.44770	-.62000	-.33560
1.201	-1.950	-.44120	-.62530	-.31940
1.199	-.220	-.44880	-.61900	-.31700
1.202	.240	-.45100	-.61150	-.31490
1.202	2.350	-.47180	-.58650	-.31840
1.202	4.510	-.46060	-.57120	-.32330
1.200	6.650	-.45120	-.55390	-.32730
1.200	8.800	-.44970	-.53900	-.33720
1.202	10.890	-.44950	-.53040	-.34860
1.199	13.110	-.47790	-.55180	-.37230
1.201	15.190	-.49820	-.56380	-.38650
	GRADIENT	-.00269	.00654	.00116

ARC 66-709 OASD OA11A-(NZ4) (AERO18) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = -11.700 SPOBRK = 25.000

RUN NO. 117/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.500	-4.200	-.30520	-.40830	-.32490
1.499	-2.130	-.31110	- 41600	-.31430
1.500	-.070	-.31620	-.42390	-.29510
1.501	.460	-.31590	-.42430	-.29290
1.500	2.220	-.31530	-.42710	-.28830
1.500	4.710	-.31540	-.43230	-.28970
1.499	6.760	-.32170	-.43610	-.29290
1.497	8.890	-.33340	-.44130	-.29870
1.498	11.050	-.34460	-.44550	-.30660
1.499	13.110	-.34280	-.45460	-.30080
1.498	15.250	-.35130	-.46320	-.31340
	GRADIENT	-.00110	-.00266	.00432

RUN NO. 116/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.004	-4.740	-.17550	-.23450	-.22480
1.999	-2.700	-.18010	-.23660	-.22260
1.997	-.610	-.18020	-.24270	-.22130
2.006	-.110	-.18720	-.24070	-.21750
2.000	1.940	-.19430	-.24590	-.21760
1.997	3.600	-.20020	-.25231	-.21660
1.998	5.710	-.20200	-.25430	-.20880
2.001	7.850	-.20090	-.25530	-.20830
2.003	9.920	-.20230	-.25860	-.20970
2.003	12.030	-.19980	-.26040	-.20970
2.001	14.370	-.20330	-.26530	-.21610
	GRADIENT	-.00302	-.00212	.00103

ARC 66-709 0459 0411A-(M24) (AERO2G) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1719 FT. ZMRP = -.3750 IN.
SCALE = .015C

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700 SPOBRK = 25.000

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.594	-3.890	-.28640	-.45940	-.23020
.600	-1.920	-.27340	-.44260	-.21230
.599	.150	-.27870	-.42860	-.21770
.600	2.300	-.27810	-.42260	-.21080
.598	4.330	-.29700	-.41040	-.20390
.598	6.430	-.30970	-.38720	-.19540
.600	8.560	-.31660	-.38870	-.20230
.600	10.630	-.31860	-.39290	-.21190
.600	12.700	-.31860	-.40860	-.21820
.598	14.760	-.31960	-.41580	-.22550
	GRADIENT	-.00127	.00569	.00260

RUN NO. 143/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.799	-4.160	-.31760	-.47780	-.25030
.796	-2.050	-.29480	-. 4400	-.23000
.800	.020	-.30280	-.44800	-.23250
.798	2.090	-.31080	-.43030	-.22500
.803	4.210	-.33740	-.44230	-.23800
.796	6.440	-.31520	-.40620	-.21410
.802	8.460	-.34400	-.44250	-.23270
.799	10.550	-.35910	-.46550	-.24090
.800	12.680	-.37210	-.50030	-.26060
.801	14.790	-.40150	-.55560	-.29090
	GRADIENT	-.00266	.00403	.00142

RUN NO. 142/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.906	-4.320	-.37100	-.51880	-.28080
.904	-2.210	-.35240	-.48790	-.25850
.906	150	-.34860	-.46140	-.25380
.909	2.030	-.36840	-.40960	-.25280
.901	4.190	-.35050	-.39200	-.24080
.899	6.280	-.37100	-.41690	-.25120
.901	8.360	-.42240	-.44050	-.25990
.897	10.440	-.41500	-.44940	-.27540
.899	12.540	-.48080	-.57050	-.31580
.903	14.730	-.48160	-.58860	-.34420
	GRADIENT	.00116	.01562	.00402

AEC 66-759 0A59 0A11A-(NZ4) (AERO20) (13 JUN 7[illegible])

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .5933 FT. YMRP = .0000 IN.
BREF = 1.1716 FT. ZMRP = -.3756 IN.
SCALE = .015C

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
DOFLAP = -11.700 SPOBRK = 25.000

RUN NO. 141/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.193	-4.410	-.48790	-.64350	-.40480
1.197	-2.310	-.48150	-.64300	-.38760
1.195	-.210	-.47960	-.64610	-.36960
1.200	2.000	-.48540	-.64060	-.36120
1.200	4.100	-.50670	-.62750	-.36470
1.199	6.240	-.50380	-.61410	-.36320
1.196	8.410	-.49860	-.61050	-.36970
1.197	10.510	-.50480	-.61190	-.38140
1.197	12.700	-.51010	-.61140	-.39570
1.191	14.790	-.51370	-.59640	-.39930
	GRADIENT	-.00196	.00171	.00493

RUN NO. 140/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.501	-4.290	-.32860	-.41470	-.36570
1.500	-2.210	-.33180	-.42160	-.36050
1.498	-.030	-.34350	-.43390	-.33510
1.499	2.150	-.34560	-.43860	-.32440
1.497	4.180	-.34650	-.44300	-.32180
1.500	6.340	-.34480	-.44630	-.32090
1.500	8.460	-.34540	-.45120	-.32340
1.499	10.560	-.35500	-.46050	-.33430
1.497	12.630	-.36430	-.46890	-.34410
1.494	14.810	-.36620	-.47290	-.33720
	GRADIENT	-.00229	-.00346	.00583

RUN NO. 139/ 0 RN/L = 2.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.000	-4.770	-.17990	-.23420	-.23770
2.000	-2.690	-.18540	-.23650	-.23360
2.000	-.610	-.19200	-.24280	-.23300
2.000	1.470	-.20060	-.24890	-.23170
2.000	3.630	-.20730	-.25270	-.22900
2.000	5.710	-.20600	-.25390	-.21970
1.997	7.820	-.20960	-.25810	-.22690
1.997	9.910	-.20910	-.26210	-.22840
1.997	11.980	-.20770	-.26470	-.22530
1.998	14.110	-.20860	-.26640	-.22540
	GRADIENT	-.00333	-.00223	.00092

ARC 66-709 OA59 OA11A-(N24) (AERO21) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BOFLAP = -11.700 SPDBRK = 25.000

RUN NO. 138/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.005	-4.720	-.17940	-.23570	-.23930
1.997	-2.660	-.18570	-.23870	-.23530
1.999	-.570	-.19040	-.24300	-.23120
1.999	1.520	-.19970	-.24850	-.23060
1.999	3.680	-.20490	-.25200	-.22500
1.999	5.730	-.20650	-.25530	-.21750
1.999	7.870	-.20700	-.25730	-.21990
1.997	9.910	-.20700	-.26140	-.22220
1.996	12.020	-.20630	-.26390	-.22010
1.996	14.090	-.20790	-.26680	-.21750
	GRADIENT	-.00310	-.00202	.00158

ARC 66-709 OA59 OA11A-(N24) (AERO22) (13 , 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000 SPDBRK = 25.000

RUN NO. 130/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.600	-4.080	-.25650	-.43840	-.15650
.599	-1.980	-.28390	-.46450	-.18040
.600	.110	-.29150	-.43680	-.16710
.599	2.210	-.29040	-.40970	-.15770
.600	4.270	-.31090	-.38260	-.15200
.600	6.340	-.30700	-.35800	-.13947
.600	8.450	-.30580	-.35430	-.14290
.600	10.480	-.30900	-.35240	-.15080
.598	12.600	-.31820	-.37180	-.16420
.600	14.690	-.32680	-.40580	-.18990
	GRADIENT	-.00352	.00796	.00151

RUN NO. 129/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.701	-4.090	-.29250	-.45670	-.16310
.701	-2.020	-.27960	-.44170	-.16250
.700	.000	-.30090	-.42800	-.17020
.701	2.130	-.30270	-.39800	-.16980
.701	4.230	-.31540	-.36890	-.15960
.701	6.360	-.30480	-.35010	-.14260
.699	8.490	-.31480	-.36770	-.15740
.701	10.550	-.31360	-.37480	-.16100
.700	12.650	-.33590	-.40440	-.18490
.699	14.770	-.32950	-.44100	-.20500
	GRADIENT	-.00331	.01056	.00643

RUN NO. 128/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.800	-4.220	-.30260	-.47160	-.18780
.800	-2.170	-.29660	-.43500	-.17220
.800	-.120	-.34480	-.44120	-.18660
.801	2.040	-.32380	-.39060	-.16650
.800	4.110	-.32030	-.38060	-.16240
.801	6.200	-.31160	-.37980	-.16420
.802	8.350	-.32840	-.38560	-.16880
.801	10.410	-.33380	-.40700	-.17560
.801	12.540	-.37300	-.47610	-.21780
.800	14.630	-.35220	-.49930	-.21670
	GRADIENT	-.00297	.01087	.00272

ARC 66-709 OA59 OA11A-(N24) (AER022) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9835 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000 SPOBRK = 25.000

RUN NO. 127/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.901	-4.330	-.32590	-.49480	-.19830
.900	-2.330	-.34280	-.46610	-.19030
.902	-.180	-.35240	-.42260	-.18780
.900	2.000	-.35400	-.40520	-.19130
.900	4.050	-.33380	-.37350	-.16010
.900	6.200	-.31700	-.41440	-.16280
.900	8.360	-.33480	-.43730	-.18070
.899	10.500	-.34300	-.44960	-.19400
.899	12.430	-.36580	-.46110	-.22440
.901	14.570	-.38910	-.50530	-.23590
	GRADIENT	-.00127	.01436	.00356

RUN NO. 126/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.197	-4.320	-.45000	-.62380	-.34280
1.200	-1.990	-.44080	-.62540	-.32380
1.200	.270	-.45310	-.61310	-.31850
1.199	2.380	-.47700	-.58950	-.32130
1.198	4.530	-.46750	-.57690	-.32810
1.198	6.690	-.46170	-.56450	-.33060
1.199	8.810	-.46210	-.55280	-.33680
1.199	10.920	-.46180	-.54790	-.34560
1.200	13.040	-.48670	-.57100	-.37060
1.199	15.220	-.50660	-.58210	-.38950
	GRADIENT	-.00320	.00584	.00149

RUN NO. 125/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.504	-4.280	-.30380	-.40650	-.32370
1.499	-2.130	-.31270	-.41720	-.32210
1.498	-.040	-.31580	-.42550	.29517
1.503	.480	-.31390	-.42240	-.29180
1.498	2.100	-.31720	-.42960	-.29210
1.500	4.210	-.31750	-.43220	-.29570
1.500	6.290	-.32430	-.43630	-.29300
1.500	8.500	-.33180	-.43900	-.29390
1.496	10.590	-.34140	-.44790	-.30040
1.498	12.930	-.34970	-.45940	-.31300
1.497	15.280	-.35720	-.46150	-.31140
	GRADIENT	-.00150	-.00300	.00462

ARC 66-709 OA59 OA11A-(M24) (AEROZE) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000 SPDBRK = 25.000

RUN NO. 124/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.998	-4.750	-.17510	-.23270	-.22220
2.000	-2.560	-.18210	-.23700	-.22450
2.004	-.530	-.18720	-.23990	-.22160
2.003	1.530	-.19600	-.24580	-.22200
2.003	3.620	-.20270	-.25100	-.22280
2.004	5.740	-.19730	-.24980	-.20340
2.002	7.850	-.19890	-.25440	-.20500
2.001	9.920	-.19890	-.25730	-.20360
1.999	12.030	-.19960	-.26140	-.20900
1.999	14.160	-.20160	-.26450	-.21070
	GRADIENT	-.00332	-.00218	.00006

ARC 66-709 OA59 OA11A-(N24) (AER023) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300 SPOBRK = 25.000

RUN NO. 137/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.602	-4.050	-.30710	-.52100	-.19490
.601	-2.010	-.30580	-.50130	-.17980
.600	.100	-.31250	-.52250	-.19400
.600	2.170	-.30570	-.53050	-.18180
.601	4.250	-.29570	-.54770	-.17940
.600	6.310	-.29870	-.57200	-.19010
.601	8.440	-.29650	-.56610	-.18420
.599	10.550	-.30270	-.55770	-.18610
.600	12.600	-.31630	-.56400	-.19700
.600	14.710	-.34650	-.53020	-.19910
	GRADIENT	.00110	-.00399	.00139

RUN NO. 136/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.699	-4.120	-.31650	-.53170	-.20810
.701	-2.080	-.32050	-.52320	-.19790
.701	.000	-.33750	-.50620	-.19190
.700	2.110	-.33820	-.51130	-.18280
.702	4.220	-.32330	-.55120	-.18750
.700	6.270	-.32210	-.56530	-.18270
.700	8.400	-.32610	-.57640	-.19230
.700	10.500	-.32780	-.57620	-.19670
.699	12.630	-.34170	-.57640	-.20640
.700	14.690	-.36760	-.57870	-.22230
	GRADIENT	-.00149	-.00133	.00269

RUN NO. 135/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.798	-4.260	-.32760	-.54660	-.21860
.800	-2.170	-.34940	-.52140	-.20470
.800	-.090	-.36680	-.52920	-.20710
.801	2.060	-.35490	-.52510	-.19510
.803	4.160	-.36140	-.53220	-.21660
.801	6.240	-.35770	-.57620	-.19690
.800	8.350	-.35600	-.59990	-.20540
.801	10.440	-.37190	-.60570	-.21540
.802	12.510	-.39090	-.62090	-.23770
.801	14.620	-.39790	-.63650	-.24460
	GRADIENT	-.00535	-.00357	.00986

ARC 66-709 OA59 OA11A-(N24) (AER023) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = 10.300 SPOBPK = 25.000

RUN NO. 134/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
.900	-4.390	-.40110	-.57890	-.24400
.900	-2.310	-.39130	-.55180	-.22000
.901	-.200	-.40530	-.54320	-.22040
.899	1.910	-.41120	-.52530	-.21650
.899	4.050	-.41080	-.51680	-.20120
.900	6.140	-.42430	-.55370	-.21520
.901	8.270	-.41560	-.62360	-.21950
.899	10.400	-.41310	-.62010	-.22940
.900	12.470	-.42370	-.62420	-.25950
.900	14.650	-.47640	-.63860	-.28740
	GRADIENT	-.00187	.00715	.00423

RUN NO. 133/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.199	-4.470	-.46320	-.62700	-.38020
1.202	-2.350	-.46190	-.63220	-.36850
1.200	-.250	-.46760	-.64250	-.35790
1.201	1.910	-.47710	-.63890	-.35250
1.199	4.060	-.50670	-.62170	-.35520
1.199	6.170	-.51370	-.61860	-.36260
1.200	8.330	-.51310	-.61410	-.37150
1.200	10.430	-.52540	-.62420	-.38825
1.199	12.580	-.54130	-.63680	-.41440
1.200	14.700	-.54510	-.63570	-.42490
	GRADIENT	-.00481	.00020	.00399

RUN NO. 132/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
1.502	-4.260	-.32090	-.41130	-.35280
1.500	-2.190	-.32510	-.42000	-.34030
1.500	-.050	-.32940	-.42760	-.32370
1.499	2.060	-.33260	-.43260	-.31790
1.501	4.220	-.32970	-.43750	-.30550
1.500	6.290	-.33230	-.44220	-.30550
1.499	8.440	-.33910	-.44790	-.31190
1.501	10.520	-.34460	-.45490	-.31790
1.501	12.660	-.35410	-.46370	-.32520
1.500	14.800	-.36240	-.47120	-.32830
	GRADIENT	-.00110	-.00306	.00552

ARC 66-709 OA59 OA11A-(N24) (AERO23) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9833 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = 10.300 SPDBRK = 25.000

RUN NO. 131/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPV1	CPV2	CPV3
2.002	-4.740	-.17460	-.25130	-.22770
2.000	-2.660	-.18270	-.23730	-.22920
2.000	-.600	-.18920	-.24190	-.22770
2.000	1.540	-.19790	-.24790	-.22590
1.997	3.620	-.20310	-.25150	-.22420
1.996	5.740	-.20430	-.25430	-.21550
2.000	7.850	-.20350	-.25650	-.21420
2.000	9.890	-.20270	-.25910	-.21610
2.000	12.020	-.20030	-.26140	-.21320
2.000	14.110	-.20440	-.26660	-.21320
	GRADIENT	-.00345	-.00244	.00049

ARC 66-708 0459 0411A-(N24) (AERO24) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.8255 IN.
LREF = .9033 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 150/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00 5.00

MACH	BETA	CPV1	CPV2	CPV3
.600	-5.290	-.24620	-.28260	-.16650
.599	-3.240	-.23320	-.27240	-.16670
.599	-1.210	-.28000	-.33000	-.16150
.600	-.700	-.27920	-.33330	-.16270
.600	-.150	-.28260	-.34380	-.16820
.600	.290	-.27810	-.33970	-.16450
.601	.830	-.27990	-.34330	-.17110
.599	1.880	-.28240	-.32770	-.16910
.600	2.910	-.27030	-.31670	-.16200
.601	4.240	-.26260	-.31170	-.17290
.599	5.230	-.26660	-.32260	-.17620
	GRADIENT	-.00241	-.00254	-.00074

RUN NO. 149/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.797	-4.730	-.25470	-.30620	-.18650
.801	-2.650	-.29090	-.37440	-.18860
.800	-.580	-.29780	-.39190	-.18780
.799	-.100	-.29960	-.38810	-.18980
.799	.390	-.30490	-.38510	-.19010
.799	.990	-.30590	-.38830	-.18980
.800	1.430	-.31020	-.38440	-.18920
.799	2.410	-.31360	-.38200	-.18970
.800	4.440	-.27750	-.34290	-.19330
.799	5.520	-.29530	-.33890	-.20360
	GRADIENT	-.00350	-.00389	-.00060

ARC 66-709 OA39 OA11A-(M24) (AERO24) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9835 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BOFLAP = -11.700 SPOBRK = 25.000

RUN NO. 148/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
.900	-4.560	-.30960	-.35600	-.21740
.897	-2.510	-.31650	-.39010	-.19590
.902	-.490	-.33810	-.42130	-.20100
.900	.080	-.33930	-.42520	-.20350
.902	.510	-.33020	- 42910	-.20430
.898	1.080	-.33610	-.42880	-.20820
.901	1.540	-.33140	-.41080	-.19740
.900	2.550	-.33730	-.41490	-.21090
.900	3.570	-.31380	-.39840	-.21120
.900	4.580	-.31160	-.37310	-.20870
.901	5.630	-.33260	-.38010	-.23150
	GRADIENT	-.00047	-.00247	-.00010

RUN NO. 147/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.198	-4.500	-.40650	-.45070	-.34810
1.199	-2.440	-.43690	-.49110	-.34280
1.199	-.410	-.41690	-.46550	-.33260
1.200	.080	-.41230	-.46320	-.33310
1.200	.600	-.40920	-.45970	-.33130
1.200	1.080	-.40340	-.45480	-.32820
1.200	1.640	-.39980	-.45310	-.33060
1.200	2.640	-.39810	-.45080	-.33070
1.198	3.630	-.39790	-.44680	-.33770
1.198	4.690	-.38500	-.41460	-.33560
1.199	5.670	-.38940	-.41980	-.35170
	GRADIENT	.00362	.00447	.00137

ARC 66-709 0459 0A11A-(NZ4) (AERO24) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 146/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
1.500	-4.650	-.34290	-.41350	-.30290
1.497	-2.620	-.34810	-.42140	-.30970
1.498	-.570	-.33820	-.44750	-.31510
1.498	-.100	-.33610	-.44790	-.31570
1.499	.420	-.33480	-.44670	-.31220
1.497	.960	-.33800	-.44280	-.31060
1.496	1.440	-.33670	-.44060	-.30640
1.498	2.480	-.33420	-.43600	-.30280
1.498	3.500	-.33970	-.41630	-.30460
1.500	4.520	-.34460	-.41930	-.30780
1.500	5.530	-.35490	-.42490	-.3109[illegible]
	GRADIENT	.00049	-.00034	.00020

RUN NO. 145/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CPV1	CPV2	CPV3
2.002	-4.180	-.21830	-.26300	-.21910
2.002	-2.170	-.21270	-.26170	-.22020
2.000	-.080	-.20380	-.26100	-.22220
1.997	.400	-.20330	-.26130	-.22330
1.997	.910	-.20140	-.26220	-.22300
1.995	1.420	-.20110	-.26430	-.22230
1.996	1.930	-.20160	-.26330	-.22090
1.999	2.960	-.20490	-.26470	-.22360
2.004	3.960	-.20650	-.26210	-.22520
2.001	5.000	-.21270	-.26330	-.22970
2.001	5.960	-.21890	-.26530	-.23560
	GRADIENT	.00080	-.00015	-.00069

ARC 66-709 0A39 0A11A-(N24 RS V8)+STRUT+DUM STNS (REF001) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .9033 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0138

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 36/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.599	-4.580	-.32860	.06470	.05200	.00370	-.00020	.00090	-.32240	.09070	.05040
.600	-2.480	-.21980	.07020	.04990	.00250	-.00020	.00060	-.21650	.07970	.04820
.600	-.320	-.11900	.07250	.04850	.00120	-.00020	.00090	-.11860	.07320	.04770
.603	1.830	-.02040	.07110	.04860	.00070	-.00020	.00090	-.02270	.07040	.04570
.600	3.930	.07960	.06600	.04910	.00150	-.00010	.00100	.07910	.07130	.04610
.602	6.070	.19150	.05800	.04610	.00220	-.00020	.00110	.18430	.07800	.04490
.602	8.250	.30370	.04520	.04650	.00400	.00000	.00130	.29400	.08640	.04110
.602	10.410	.41660	.03290	.04410	.00570	-.00050	.00160	.40400	.10770	.04060
.602	12.540	.54670	.03610	.03180	.00570	-.00030	.00160	.52580	.13390	.04210
.600	14.740	.67100	.03290	.02570	.00630	-.00080	.00140	.64050	.20250	.04540
	GRADIENT	.04764	.00016	-.00033	-.00029	.00001	.00002	.04635	-.00226	-.00052

RUN NO. 6/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.695	-4.710	-.35400	.06850	.06160	-.00160	-.00040	.00070	-.34720	.09730	.04960
.700	-2.570	-.24490	.07200	.05930	-.00100	-.00040	.00060	-.24140	.08290	.04620
.696	-.430	-.13710	.07400	.05530	-.00280	-.00050	.00080	-.13660	.07500	.04540
.699	1.720	-.03190	.07420	.05560	-.00200	-.00030	.00080	-.03410	.07320	.04740
.697	3.880	.07590	.06850	.05550	-.00220	-.00040	.00080	.07110	.07350	[illegible]
.699	6.010	.18300	.06040	.05100	-.00130	-.00040	.00080	.17570	.07920	[illegible]
.700	8.240	.30290	.04820	.04960	-.00080	-.00020	.00080	.29280	.09[illegible]	[illegible]
.701	10.370	.43010	.04430	.04020	-.00050	-.00090	.00080	.41510	.12[illegible]	[illegible]
.700	12.550	.54400	.04690	.03560	.00040	-.00050	.00120	.52080	.1[illegible]	[illegible]
.700	14.710	.66810	.04600	.03170	.00080	-.00060	.00090	.63450	.21[illegible]	[illegible]
	GRADIENT	.04997	.00010	-.00093	-.00006	.00000	.00002	.04862	-.002[illegible]	[illegible]

RUN NO. 5/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.748	-4.600	-.36900	.06940	.06700	-.00100	-.00040	.00040	-.36190	.10000	.04940
.752	-2.700	-.25830	.07380	.06480	-.00080	-.00030	.00080	-.25450	.08590	.04730
.751	-.490	-.14460	.07550	.06110	-.00050	-.00030	.00060	-.14420	.07670	.04630
.748	1.770	-.03010	.07480	.05680	.00170	-.00040	.00100	-.03240	.07380	.04470
.750	3.830	.07530	.07140	.05830	-.00110	-.00030	.00080	.07040	.07620	.04720
.751	6.080	.19470	.06160	.05340	-.00060	-.00020	.00100	.18700	.08190	.04440
.750	8.240	.31690	.05180	.04960	-.00140	-.00020	.00110	.30620	.09670	.04380
.748	10.380	.43480	.05400	.04270	.00080	-.00040	.00120	.41800	.13150	.04410
.748	12.580	.54660	.05530	.03600	.00030	-.00060	.00210	.52140	.17310	.04640
.750	14.690	.66570	.05570	.03210	.00040	-.00060	.00030	.62980	.22270	.04830
	GRADIENT	.05139	.00023	-.00108	-.00003	.00000	.00005	.05001	-.00275	-.00033

ARC 66-788 0459 0411A-(NR4 RS V8)+STRUT+DUM STNG (REF001) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
SCFLAP = -11.700

RUN NO. 33/ 0 RN/L = 2.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.799	-4.950	-.36899	.07310	.07360	.00450	-.00020	.00070	-.38110	.10630	.05000
.801	-2.910	-.27080	.07460	.07040	.00280	-.00030	.00050	-.26660	.08760	.04650
.801	-.690	-.14880	.07740	.06610	.00100	-.00030	.00080	-.14800	.07900	.04600
.802	1.830	-.03520	.07780	.06500	.00120	-.00030	.00060	-.03740	.07680	.04920
.801	3.880	.08010	.07230	.06190	.00170	-.00040	.00090	.07300	.07780	.04470
.801	6.010	.20530	.06540	.05310	.00220	-.00010	.00120	.19730	.08650	.04320
.799	8.240	.33450	.06200	.04600	.00430	.00000	.00200	.32220	.10930	.04410
.797	10.410	.43920	.06190	.04430	.00390	-.00030	.00180	.42070	.14030	.04540
.800	12.600	.55830	.06820	.03470	.00480	-.00080	.00280	.[illegible]00	.18840	.04680
.800	14.740	.67490	.06930	.02790	.00510	-.00070	.00250	. 10	.23870	.04900
	GRADIENT	.05309	.00009	-.00148	-.00032	-.00002	.00002	.05165	-.00306	-.00054

RUN NO. 3/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.848	-4.980	-.40788	.07910	.08300	-.00080	-.00080	.00030	-.39940	.11420	.04990
.850	-2.870	-.29398	.08020	.08280	-.00080	-.00050	.00070	-.28960	.09480	.04870
.850	-.660	-.16780	.08160	.07620	-.00100	-.00040	.00090	-.16880	.08230	.04730
.850	1.380	-.04440	.08160	.07120	-.00090	-.00040	.00080	-.04670	.08030	.04530
.848	3.850	.08110	.07890	.06490	-.00050	-.00030	.00100	.07370	.08420	.04590
.850	5.970	.20390	.07710	.05680	.00040	-.00030	.00110	.19480	.09790	.04450
.848	8.170	.31790	.07680	.05480	.00020	-.00040	.00120	.30380	.12120	.04480
.848	10.300	.42660	.07570	.04930	-.00020	-.00060	.00130	.40620	.15080	.04930
.850	12.510	.54260	.08320	.03610	-.00060	-.00120	.00410	.51170	.19880	.04810
.849	14.700	.65970	.08240	.02900	.00170	-.00120	.00210	.61720	.24710	.05000
	GRADIENT	.05549	.00004	-.00235	.00002	.00003	.00005	.05394	-.00334	-.00051

RUN NO. 34/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.896	-5.050	-.43270	.06310	.10150	.00390	-.00040	.00070	-.42370	.12090	.05050
.901	-2.830	-.29350	.06700	.09160	.00340	-.00030	.00060	-.28880	.10140	.04460
.897	-.680	-.15760	.06820	.07860	.00180	-.00020	.00130	-.15650	.09000	.04530
.896	1.650	-.02320	.06880	.06870	.00150	-.00020	.00100	-.02570	.08810	.04460
.896	3.810	.10300	.06930	.05900	.00160	-.00030	.00110	.09660	.09690	.04310
.899	5.960	.21790	.06910	.05600	.00340	-.00020	.00090	.20740	.11120	.04270
.898	8.200	.34640	.06860	.04370	.00300	-.00040	.00160	.33220	.13750	.04130
.898	10.340	.45740	.06760	.03540	.00300	-.00060	.00100	.43420	.16650	.04160
.897	12.500	.56480	.06820	.02410	.00750	-.00170	.00350	.53190	.21020	.04590
.898	14.770	.69230	.09300	.01040	.00500	-.00110	.00070	.64580	.26640	.04840
	GRADIENT	.05949	.00047	-.00487	-.00026	-.00000	.00003	.05786	-.00069	-.00023

ARC 66-769 OASS OA11A-(M24 R5 V8)+STRUT+DUM STNG (REF001) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9033 FT. YMRP = .0000 IN.
BREF = 1.1716 FT. ZMRP = -.3750 IN.
SCALE = .0156

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 1/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.955	-5.120	-.42160	.10360	.11030	.00090	-.00020	.00050	-.41070	.14080	.05590
.951	-2.940	-.27100	.10270	.07980	.00090	-.00030	.00100	-.26540	.11650	.05070
.952	-.610	-.10620	.10430	.05190	-.00010	-.00040	.00090	-.10510	.10540	.04920
.950	1.630	.03130	.10030	.03770	.00020	-.00050	.00040	.02840	.10120	.04590
.950	3.900	.18400	.10640	.01160	.00090	-.00050	.00060	.17630	.11860	.05200
.951	5.980	.29700	.10290	.00490	.00050	-.00030	.00070	.28460	.13330	.04690
.948	8.230	.41450	.09920	-.00160	.00030	-.00040	.00040	.39610	.15750	.04740
.953	10.440	.54720	.10370	-.01520	.00210	.00020	-.00020	.51930	.20110	.05420
.951	12.600	.66000	.10350	-.02440	.00430	.00080	.00030	.62160	.24490	.05400
.947	14.900	.78770	.10650	-.03700	.00620	.00020	-.00030	.73440	.30420	.05870
	GRADIENT	.06603	.00031	-.00949	-.00011	-.00003	-.00007	.06410	.00008	.00002

RUN NO. 33/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.207	-4.040	-.29120	.13080	.08550	.00070	-.00020	.00080	-.28120	.15100	.04900
1.201	-2.890	-.21810	.13210	.07170	.00130	-.00010	.00090	-.21110	.14300	.04980
1.202	-.520	-.05370	.13600	.02960	.00020	.00000	.00030	-.05250	.13630	.05030
1.201	1.700	.07980	.13620	.00470	-.00020	.00000	.00090	.07170	.13850	.04960
1.201	3.960	.21590	.13800	-.02440	.00020	.00000	.00040	.20580	.15260	.05270
1.203	6.100	.33940	.13690	-.04520	-.00010	.00010	.00050	.32290	.17220	.05440
1.201	8.390	.46520	.13270	-.05400	.00070	.00020	.00160	.44090	.19910	.05550
1.197	10.650	.59140	.12870	-.06110	.00050	.00050	.00170	.55740	.23580	.05800
1.201	12.660	.72590	.12960	-.08320	.00110	.00060	.00020	.67880	.28790	.05780
1.195	15.160	.84650	.12460	-.09010	.00110	.00000	.00070	.78630	.34230	.06580
	GRADIENT	.06366	.00589	-.01394	-.00013	.00002	-.00004	.06117	.00069	.00035

RUN NO. 32/ 0 RN/L = 2.50 GRADIENT INTERVAL = 5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.620	-.24860	.13630	.04170	.00410	.00080	.00060	-.23630	.13670	.04320
1.503	-2.710	-.14210	.13590	.02[illegible]	.00100	.00070	.00070	-.13550	.14250	.04260
1.500	-.410	-.02810	.13520	.00430	.00040	.00050	.00060	-.02710	.13510	.04250
1.498	1.810	.08080	.13320	-.01500	.00030	.00010	.00020	.07660	.13570	.04310
1.498	4.080	.19290	.12960	-.03240	.00070	.00040	.00050	.18320	.14290	.04290
1.499	6.210	.29800	.12670	-.04650	.00210	.00020	.00070	.28340	.15820	.04430
1.497	8.490	.40380	.12340	-.06010	.00060	.00030	.00170	.38120	.18170	.04580
1.500	10.640	.50910	.12090	-.07240	.00340	.00060	.00100	.47410	.21210	.04660
1.500	12.630	.61070	.11950	-.08550	.00090	.00060	.00090	.56890	.25210	.04750
1.499	15.080	.71730	.11700	-.09660	.00310	.00040	.00080	.66230	.29940	.04860
	GRADIENT	.04963	-.00072	-.00837	-.000[illegible]	-.0006	-.00005	.04718	-.00153	.00002

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER00_) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 31/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.001	-5.210	-.21990	.11620	.00240	.00230	.00110	-.00020	-.20830	.13760	.02250
1.996	-3.130	-.13780	.11800	-.00480	.00360	.00110	-.00050	-.13120	.12530	.02340
1.998	-.970	-.05700	.11710	-.01300	.00190	.00100	-.00050	-.05500	.11810	.02380
1.997	1.240	.02580	.11520	-.02170	.00260	.00090	-.00040	.02510	.11570	.02440
1.995	3.400	.10550	.11220	-.03160	.00230	.00060	-.00020	.09860	.11830	.02440
1.999	5.360	.18560	.11030	-.03810	.00230	.00080	-.00020	.17410	.12770	.02430
2.001	7.690	.26210	.10740	-.04380	.00330	.00090	-.00030	.24530	.14150	.02390
2.001	9.820	.33740	.10510	-.04580	.00270	.00070	-.00030	.31460	.16110	.02430
2.001	12.040	.41880	.10200	-.04800	.00340	.00080	.00010	.38810	.18710	.02480
2.001	14.190	.50520	.09880	-.04980	.00520	.00080	.00010	.46560	.21960	.02570
	GRADIENT	.03728	-.00089	-.00409	-.00019	-.00007	.00005	.03522	-.00107	.00017

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER002) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6235 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 7/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.560	-.33140	.06510	.05330	-.00100	-.00020	.00070	-.32510	.09120	.04840
.601	-2.480	-.22700	.07000	.04980	-.00250	-.00040	.00080	-.22370	.07970	.04820
.599	-.350	-.12510	.07260	.05010	-.00090	-.00020	.00100	-.12470	.07340	.04650
.598	1.790	-.02430	.07190	.04940	-.00260	-.00040	.00100	-.02650	.07110	.04660
.601	3.960	.08020	.06700	.04930	-.00150	-.00020	.00100	.07540	.07240	.04590
.601	6.070	.18760	.05810	.04730	-.00080	-.00030	.00070	.18040	.07760	.04450
.599	8.260	.29510	.04580	.04530	-.00060	-.00030	.00090	.28550	.08780	.04520
.600	10.350	.40910	.03400	.04540	.00170	-.00050	.00090	.39630	.10690	.04390
.600	12.520	.53710	.03620	.03360	.00010	.00000	.00160	.51650	.15170	.04630
.600	14.720	.66240	.03530	.02650	.00220	-.00020	.0 30	.63160	.20250	.04840
	GRADIENT	.04814	.00026	-.00039	-.00005	.00000	.00004	.04684	-.00216	-.00031

RUN NO. 4/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.803	-4.670	-.38690	.07470	.07630	.00020	-.00040	.00040	-.38120	.10750	.05030
.799	-2.790	-.26800	.07550	.07070	-.00230	-.00070	.00060	-.26400	.08840	.04700
.802	-.590	-.15530	.07770	.06780	-.00060	-.00030	.00080	-.15450	.07930	.04650
.801	1.610	-.03950	.07710	.06530	-.00200	-.00060	.00070	-.04170	.07590	.04550
.802	3.850	.07610	.07390	.06190	-.00110	-.00030	.00110	.07100	.07680	.04610
.800	6.030	.20080	.06540	.05430	-.00010	-.00030	.00130	.19280	.08620	.04380
.799	8.210	.32620	.06320	.04820	.00070	-.00050	.00090	.31380	.10910	.04520
.799	10.430	.43650	.06320	.04560	.00020	-.00040	.00170	.41780	.14120	.04520
.799	12.520	.54890	.06080	.03520	.00060	-.00070	.00300	.52090	.18610	.04770
.799	14.690	.66760	.06080	.02800	-.00010	-.00080	.00210	.62850	.23590	.04870
	GRADIENT	.05303	-.00000	-.00156	-.00010	.00001	.00007	.05158	-.00318	-.00045

RUN NO. 2/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.898	-5.130	-.43770	.08420	.10220	.00160	-.00060	.00030	-.42840	.12390	.04910
.901	-2.920	-.30190	.08720	.09270	-.00050	-.00050	.00060	-.29710	.10250	.04630
.901	-.690	-.16430	.08900	.07860	-.00170	-.00060	.00080	-.16320	.09100	.04720
.901	1.610	-.02320	.09100	.06730	-.00130	-.00050	.00070	-.02570	.09030	.04640
.900	3.810	.09410	.08980	.06260	-.00020	-.00030	.00070	.08795	.09590	.04650
.900	5.940	.20990	.08950	.05890	-.00060	-.00050	.00040	.19950	.11080	.04460
.902	8.160	.34270	.08900	.04320	.00030	-.00060	.00070	.32660	.13670	.04560
.901	10.310	.44190	.08830	.03640	.00020	-.00060	.00120	.41890	.16690	.04410
.900	12.480	.56350	.09150	.02120	.00320	-.00220	.00220	.53230	.21160	.04650
.898	14.690	.68490	.09430	.01140	.00210	-.00190	.00130	.63860	.26490	.05160
	GRADIENT	.05911	.00044	-.00452	.00006	.00003	.00001	.05748	-.00092	-.00028

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER002) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 8/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.199	-5.090	-.35230	.12920	.09570	.00010	.00010	.00120	-.33940	.15990	.05060
1.201	-2.940	-.21310	.13210	.06880	-.00110	.00020	.00080	-.20600	.14290	.04910
1.201	-.680	-.06730	.13570	.03340	-.00110	.00000	.00040	-.06570	.13640	.05190
1.200	1.620	.07560	.13800	.00110	-.00050	.00000	.00040	.07170	.14010	.05300
1.203	3.800	.20140	.13840	-.02220	-.00150	.00010	.00060	.19160	.15150	.05420
1.202	6.050	.33010	.13790	-.04320	.00040	.00030	.00040	.31380	.17190	.05650
1.201	8.290	.45500	.13460	-.05620	-.00200	.00020	.00080	.43090	.19870	.05770
1.199	10.550	.57380	.12960	-.06150	-.00050	.00030	.00130	.54040	.23240	.05640
1.196	12.780	.71030	.12830	-.07430	-.00160	.00100	.00230	.66430	.28230	.05960
1.201	15.010	.83170	.12800	-.08650	-.00420	.00190	.00280	.77920	.33910	.06180
	GRADIENT	.06158	.00094	-.01357	-.00003	-.00001	-.00003	.05911	.00130	.00073

ARC 66-709 OA59 OA11A-(N24 RS V8)+STRUT+DUM STNG (RER003) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 30/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.602	-4.340	-.02460	.09530	-.10020	.00140	.00020	.00180	-.01730	.09690	.05680
.600	-2.250	.07820	.10040	-.10050	.00070	.00020	.00180	.08200	.09720	.05690
.603	-.020	.18380	.10150	-.09980	.00010	.00000	.00170	.18390	.10150	.05630
.602	2.130	.28200	.09820	-.10020	-.00020	.00010	.00150	.27820	.10870	.05600
.600	4.240	.38190	.09200	-.09810	-.00070	.00000	.00170	.37400	.11990	.05530
.601	6.350	.48780	.08170	-.10020	-.00070	.00000	.00230	.47580	.13520	.05420
.600	8.570	.61670	.07010	-.10610	-.00020	.00010	.00150	.59940	.16120	.05480
.601	10.730	.76130	.06050	-.12000	.00150	.00000	.00190	.73680	.20120	.05380
.602	12.830	.84960	.06870	-.11940	.00320	-.00030	.00230	.81310	.25560	.05660
.600	15.000	.94600	.07290	-.11510	.00340	.00000	.00110	.89500	.31520	.05920
	GRADIENT	.04720	-.00041	.00021	-.00024	-.00002	-.00002	.04544	.00267	-.00018

RUN NO. 29/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.700	-4.430	-.06190	.09900	-.08840	.00040	.00030	.00220	-.05400	.10350	.05920
.700	-2.260	.04620	.10230	-.09290	.00010	.00010	.00170	.05020	.10040	.05770
.700	-.190	.15590	.10450	-.09470	-.00040	.00000	.00190	.15620	.10400	.05710
.702	2.120	.27650	.10310	-.09740	-.00040	.00010	.00200	.27240	.11320	.05740
.702	4.220	.38010	.09560	-.09800	-.00150	-.00020	.00160	.37210	.12330	.05480
.700	6.340	.49850	.08630	-.10430	-.00110	-.00010	.00220	.48590	.14080	.05480
.699	8.640	.65240	.07630	-.11840	-.00100	.00000	.00120	.63350	.17350	.05410
.700	10.690	.73030	.08410	-.11540	.00280	-.00030	.00140	.70200	.21610	.05560
.701	12.830	.84470	.08380	-.11840	-.00090	-.00030	.00490	.80500	.26930	.05710
.699	15.030	.94600	.08530	-.11290	.00310	-.00050	-.00080	.89150	.32760	.06060
	GRADIENT	.05140	-.00028	-.00109	-.00020	-.00005	-.00004	.04956	.00242	-.00042

RUN NO. 28/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.799	-4.590	-.12600	.10410	-.06670	-.00080	.00040	.00200	-.11730	.11380	.06000
.799	-2.480	-.00600	.10550	-.07690	-.00230	-.00010	.00210	-.00140	.10570	.05710
.801	-.380	.11830	.11050	-.08330	-.00250	-.00010	.00210	.11990	.10950	.05770
.798	-.140	.13370	.10940	-.08340	-.00060	.00000	.00230	.13400	.10910	.05720
.800	1.930	.24390	.10820	-.09130	-.00180	-.00020	.00210	.24010	.11630	.05590
.801	4.120	.37990	.10440	-.10070	-.00180	-.00020	.00190	.37140	.13150	.05620
.800	6.350	.52450	.10000	-.11660	-.00230	-.00010	.00210	.51030	.15740	.05550
.799	8.530	.61380	.10150	-.11130	.00010	-.00040	.00000	.59200	.19140	.05510
.798	10.710	.71810	.10130	-.11240	-.00080	-.00020	.00170	.68670	.23290	.05640
.799	12.820	.81590	.10830	-.11690	-.00240	-.00010	.00770	.77160	.28660	.05870
.798	15.040	.93490	.11150	-.12840	-.00020	-.00060	.00200	.89320	.35540	.06270
	GRADIENT	.05780	.00015	-.00377	-.00056	-.00006	-.00001	.05584	.00212	-.00049

ARC 66-709 0A59 0A11A-(NZ4 R5 V8)+STRUT+DUM STNG (RER003) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 27/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.899	-4.840	-.20880	.11680	-.03950	-.00410	.00080	.00170	-.19820	.13400	.06320
.901	-2.570	-.04800	.11800	-.06300	-.00160	.00040	.00170	-.04270	.12000	.05950
.900	-.430	.09920	.12230	-.08140	-.00290	-.00020	.00150	.10010	.12160	.05670
.901	1.910	.24730	.12760	-.09750	-.00240	.00000	.00160	.24280	.13580	.05670
.900	4.110	.39340	.12850	-.11500	-.00270	.00020	.00170	.38320	.15630	.05860
.901	6.270	.51910	.12580	-.12650	-.00240	-.00010	.00130	.50220	.18180	.05600
.902	8.510	.64560	.12580	-.13690	-.00230	.00000	.00100	.61990	.22000	.05540
.897	10.650	.72440	.12660	-.12660	-.00260	.00000	.00100	.68850	.25830	.05610
.902	12.860	.84850	.13510	-.14310	-.00200	-.00080	.00330	.79720	.32060	.06070
.900	14.990	.96680	.14170	-.15280	-.00020	-.00050	.00090	.89720	.38690	.06730
	GRADIENT	.06700	.00146	-.00829	.00009	-.00007	-.00000	.06471	.00271	-.00044

RUN NO. 26/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.201	-3.010	-.22150	.15640	-.01170	-.00160	.00020	.00060	-.20700	.17520	.05910
1.202	-2.760	-.06890	.15960	-.04410	-.00190	.00050	.00060	-.06110	.16280	.05840
1.202	-.520	.08670	.16220	-.07510	-.00200	.00020	.00070	.06810	.16160	.05910
1.199	1.820	.21670	.16450	-.10390	-.00290	.00009	.00050	.21130	.17130	.05950
1.200	4.060	.35570	.16690	-.13230	-.00340	.00000	.00070	.34300	.19170	.06050
1.198	6.320	.49750	.16800	-.15710	-.00350	.00010	.00090	.47590	.22170	.06210
1.198	8.590	.63210	.16450	-.17420	-.00280	-.00010	.00110	.60050	.25710	.06250
1.199	10.810	.77270	.16560	-.19080	-.00340	.00020	.00130	.72790	.30760	.06480
1.199	13.090	.90000	.16510	-.20180	-.00260	.00000	.00120	.83920	.36470	.06530
1.199	15.290	1.02100	.16760	-.20820	-.00230	.00000	.00060	.94090	.43090	.06750
	GRADIENT	.06245	.00106	-.01296	-.00024	-.00007	.00000	.05946	.00423	.00029

RUN NO. 29/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.502	-4.670	-.15380	.15260	-.03170	-.00080	.00080	.00020	-.14090	.16460	.04820
1.503	-2.610	-.03400	.15420	-.04650	-.00160	.00060	.00020	-.04690	.15650	.04760
1.502	-.480	.04970	.15490	-.06580	-.00200	.00060	.00030	.05090	.15450	.04710
1.502	1.820	.16540	.15420	-.08550	-.00030	.00050	.00020	.16040	.15940	.04710
1.502	4.060	.27940	.15290	-.10410	-.00010	.00050	-.00030	.26790	.17230	.04710
1.499	6.310	.39150	.15170	-.12110	.00110	.00070	.00020	.37240	.19380	.04820
1.500	8.520	.49820	.15090	-.13790	-.00200	.00050	.00060	.47040	.22310	.04920
1.499	10.710	.60680	.15140	-.15270	-.00310	.00030	.00040	.56810	.26160	.05030
1.498	12.930	.71120	.15130	-.16600	-.00240	.00020	.00070	.65930	.30660	.05140
1.498	15.220	.82770	.14940	-.18080	-.00140	.00000	.00070	.75940	.36150	.05120
	GRADIENT	.04961	.00002	-.00631	.00013	-.00003	-.00005	.04683	.00087	-.00012

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER003) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 24/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.999	-5.170	-.16140	.12760	-.04030	.00130	.00120	-.00040	-.14920	.14160	.02550
1.997	-3.190	-.08680	.12840	-.04790	.00080	.00100	-.00060	-.07950	.13300	.02620
1.997	-.890	-.00080	.12920	-.05650	-.00040	.00080	-.00070	.00130	.12920	.02610
1.997	1.310	.08070	.12860	-.06480	.00030	.00090	-.00060	.07770	.13040	.02630
1.997	3.460	.16050	.12840	-.07470	.00000	.00080	-.00050	.15250	.13780	.02620
1.996	5.690	.24300	.12710	-.08280	-.00010	.00070	-.00060	.22920	.15060	.02570
1.999	7.790	.31400	.12480	-.08810	-.00020	.00070	-.00050	.29420	.16620	.02550
2.002	9.980	.39730	.12410	-.09260	.00010	.00060	-.00040	.36970	.19110	.02590
2.005	11.970	.47620	.12320	-.09610	-.00010	.00040	-.00010	.44030	.21930	.02600
2.005	14.170	.56510	.12130	-.10110	.00170	.00070	.00030	.51820	.25600	.02630
	GRADIENT	.03717	-.00003	-.00400	-.00008	-.00002	.00002	.03487	.00069	.00001

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER004) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700

RUN NO. 12/ 0 RN/L = 2.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.605	-4.320	-.01280	.09660	-.09970	.00160	.00010	.00160	-.00520	.09730	.05770
.598	-2.170	.08860	.10090	-.10000	.00040	.00000	.00170	.09240	.09740	.05770
.601	-.100	.16360	.10220	-.10000	.00090	.00000	.00180	.18380	.10190	.05670
.603	2.040	.28290	.09890	-.09950	.00040	.00000	.00130	.27920	.10890	.05690
.600	4.220	.38280	.09160	-.09730	.00010	-.00010	.00160	.37500	.11950	.05450
.597	6.360	.49170	.08150	-.10020	.00060	-.00020	.00170	.47970	.13550	.05480
.600	8.470	.60950	.07070	-.10520	.00060	-.00020	.00100	.59240	.15970	.05440
.603	10.650	.75950	.06010	-.11960	.00090	-.00040	.00180	.73530	.19950	.05390
.601	12.790	.85160	.06950	-.11820	.00240	-.00080	.00110	.81510	.25630	.05610
.599	14.950	.94430	.07280	-.11590	.00150	-.00040	.00020	.89360	.31390	.05820
	GRADIENT	.04627	-.00057	.00025	-.00014	-.00002	-.00001	.04449	.00263	-.00034

RUN NO. 11/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.699	-4.450	-.05070	.10040	-.08970	.00140	.00040	.00200	-.04270	.10410	.05910
.700	-2.270	.05760	.10340	-.09290	.00110	.00010	.00170	.06160	.10110	.05620
.699	-.140	.16450	.10570	-.09520	.00060	.00000	.00190	.16480	.10530	.05740
.703	2.010	.27150	.10250	-.09750	.00050	.00000	.00190	.26770	.11200	.05660
.702	4.160	.38040	.09630	-.09820	.00080	-.00010	.00190	.37240	.12370	.05580
.694	6.380	.50410	.08590	-.10330	.00090	-.00020	.00220	.49150	.14140	.05470
.699	8.530	.64330	.07720	-.11620	.00030	.00000	.00150	.62470	.17170	.05380
.703	10.680	.73260	.08510	-.11610	.00160	.00010	.00350	.70410	.21930	.05500
.702	12.790	.83990	.08390	-.11640	.00030	-.00050	.00370	.80050	.26770	.05680
.699	14.950	.93730	.08570	-.11070	.00220	-.00050	-.00020	.88350	.32460	.05980
	GRADIENT	.05005	-.00042	-.00100	-.00006	-.00005	-.00000	.04820	.00233	-.00029

RUN NO. 10/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.801	-4.630	-.11440	.10320	-.06740	-.00050	.00030	.00190	-.10570	.11210	.05890
.804	-2.460	.00690	.10690	-.07640	-.00040	.00010	.00220	.01350	.10640	.05710
.803	-.260	.13300	.11030	-.08390	-.00130	.00000	.00220	.13350	.10970	.05620
.805	1.920	.25500	.11000	-.09160	-.00180	-.00020	.00260	.25120	.11850	.05630
.799	4.190	.38670	.10450	-.10020	-.00010	-.00020	.00190	.37890	.13250	.05560
.801	6.380	.53390	.10080	-.11630	-.00040	.00000	.00190	.51940	.15950	.05530
.801	8.450	.61520	.10330	-.11200	.00010	-.00030	.00170	.59330	.19260	.05580
.801	10.720	.72510	.10230	-.11250	.00010	-.00010	.00230	.69340	.23540	.05520
.800	12.870	.82430	.10930	-.11910	-.00220	-.00010	.00810	.77920	.29020	.05940
.801	14.940	.94360	.11050	-.12520	.00170	-.00030	.00270	.88340	.35010	.06180
	GRADIENT	.05669	.00025	-.00367	-.00003	-.00006	.00002	.05473	.00241	-.00034

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+GUN STNG (RER004) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.F.. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0050 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
SCFLAP = -11.700

RUN NO. 9/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.620	-.18750	.11600	-.04290	-.00130	.00090	.00220	-.17710	.13130	.06110
.906	-2.660	-.03990	.12050	-.06310	-.00200	.00060	.00180	-.03420	.12220	.06070
.903	-.430	.10720	.12300	-.08160	-.00140	.00000	.00160	.10810	.12220	.05830
.902	1.950	.25740	.12250	-.09660	-.00110	-.00010	.00180	.25310	.13120	.05460
.899	4.080	.39380	.12590	-.11210	-.00030	.00010	.00170	.38390	.15360	.05570
.894	6.220	.51490	.12180	-.12210	-.00090	.00000	.00140	.49870	.17690	.05320
.897	8.450	.64330	.12240	-.13440	-.00280	.00040	.00350	.61830	.21560	.05430
.902	10.580	.71930	.12620	-.12570	-.00150	.00010	.00140	.68390	.25600	.05490
.903	12.730	.83980	.13380	-.13980	.00130	-.00070	.00300	.78960	.31550	.05880
.903	14.970	.95070	.13720	-.14430	.00150	-.00060	.00120	.88290	.37810	.06140
	GRADIENT	.06514	.00097	-.00766	.00013	-.00010	-.00004	.06288	.00240	-.00076

ARC 66-709 0459 0411A-(NZ4 R5 V8)+STRUT+DUM STNG (REE005) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 16/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.510	-.25180	.06420	.00110	-.00190	-.00050	.00060	-.24590	.08580	.04830
.598	-2.430	-.14650	.06940	.00000	-.00110	-.00050	.00040	-.14540	.07560	.04690
.602	-.310	-.04920	.07110	-.00120	-.00220	-.00050	.00080	-.04880	.07140	.04570
.600	1.910	.05670	.06920	-.00370	-.00110	-.00040	.00070	.05440	.07110	.04500
.601	3.980	.15940	.06300	-.00380	-.00090	-.00060	.00060	.15460	.07390	.04330
.601	6.190	.26490	.05290	-.00590	.00050	-.00040	.00080	.25770	.08110	.04250
.602	8.250	.37600	.04160	-.00710	-.00140	-.00050	.00030	.36620	.09510	.04290
.601	10.490	.49280	.03010	-.00970	.00180	-.00080	.00120	.47 30	.11850	.04360
.601	12.520	.61870	.03500	-.02100	-.00040	-.00020	.0013C	.59640	.16830	.04450
.602	14.660	.73980	.03450	-.02650	.00140	-.00060	.00100	.70700	.22060	.04680
	GRADIENT	.04820	-.00012	-.00065	.00009	-.00000	.00001	.04694	-.00114	-.00056

RUN NO. 15/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.702	-4.660	-.27680	.06880	.00630	-.00120	-.00070	.00040	-.27030	.09100	.05070
.699	-2.540	-.16150	.07090	.00250	-.00050	-.00050	.00030	-.15820	.07800	.04650
.700	-.390	-.05790	.07350	.00110	-.00110	-.00040	.00060	-.05740	.07390	.04680
.702	1.760	.05050	.07170	-.00130	-.00090	-.00040	.00060	.04830	.07320	.04640
.701	3.900	.15870	.06630	-.00280	-.00140	-.00050	.00070	.15380	.07690	.04660
.698	6.100	.27180	.05390	-.00600	-.00240	-.00070	.00070	.26430	.08450	.04330
.702	8.260	.38070	.04450	-.00760	-.00160	-.00060	.00070	.37030	.10000	.04340
.699	10.430	.51100	.04240	-.01000	.00230	-.00100	.00030	.49490	.13420	.04260
.704	12.670	.63880	.04800	-.02370	.00040	-.00060	.00130	.61320	.18500	.04840
.701	14.740	.75410	.04740	-.02730	.00070	-.00060	.00050	.71720	.23770	.05040
	GRADIENT	.05056	-.00020	-.00103	-.00004	.00002	.00004	.04924	-.00154	-.00038

RUN NO. 14/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.800	-4.860	-.30230	.07410	.01250	.000	-.00050	.00050	-.29490	.09940	.05190
.801	-2.760	-.18590	.07640	.00990	-.00 0	-.00060	.00040	-.18200	.08520	.05000
.802	-.580	-.07210	.07840	.00610	-.00250	-.00060	.00040	-.07130	.07910	.04810
.801	1.610	.04370	.07630	.00290	-.00290	-.00070	.00050	.04350	.07760	.04720
.800	3.760	.15630	.07060	-.00050	-.00120	-.00070	.00050	.15340	.08080	.04540
.797	5.940	.28120	.06330	-.00750	-.00090	-.00060	.00040	.27310	.09210	.04470
.799	8.190	.41010	.06190	-.01750	-.00140	-.00040	.00100	.39710	.11970	.04590
.799	10.360	.52000	.06120	-.02040	-.00130	-.00060	.00120	.50050	.15360	.04565
.798	12.490	.63150	.06560	-.03210	.00100	-.00080	.00300	.60240	.20080	.04710
.800	14.700	.76270	.07020	-.04110	.00200	-.00110	.00290	.72000	.26150	.05230
	GRADIENT	.05332	-.00033	-.00153	-.00022	-.00002	.00002	.05199	-.00297	-.00073

ARC 66-709 OA59 OA11A-(M24 R3 V8)+STRUT+DUM STNG (REB005) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9835 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 13/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.900	-5.000	-.34680	.08610	.03340	.00220	-.00040	.00030	-.33800	.11600	.03440
.902	-2.830	-.21510	.08750	.02570	.00090	-.00040	.00040	-.21050	.09800	.03260
.901	-.640	-.08210	.09020	.01470	-.00120	-.00040	.00060	-.08100	.09120	.03230
.898	1.550	.04450	.08970	.00500	-.00060	-.00030	.00090	.04210	.09090	.03020
.902	3.860	.18060	.09010	-.00510	.00010	-.00070	.00070	.17410	.10210	.04990
.899	5.980	.29060	.08710	-.00810	-.00050	-.00080	.00100	.27990	.11690	.04820
.901	8.170	.41090	.08630	-.01900	.00150	-.00050	.00050	.39450	.14380	.04640
.901	10.320	.51670	.08560	-.02810	.00010	-.00070	.00060	.49300	.17670	.04860
.899	12.460	.64350	.09030	-.04610	.00410	-.00220	.00310	.60690	.22700	.05090
.900	14.670	.76700	.09410	-.05880	.00480	-.00240	.00150	.71810	.28530	.05530
	GRADIENT	.05947	.00046	-.00442	-.00026	-.00002	.00006	.05777	-.00155	-.00052

RUN NO. 18/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.201	-2.890	-.17610	.13630	.02970	.00050	.00030	.00130	-.16900	.14500	.03350
1.200	-.700	-.03020	.13980	-.00760	.00050	.00020	.00080	-.02850	.14010	.03480
1.202	1.590	.11280	.14370	-.04080	.00030	.00010	.00070	.10880	.14680	.03660
1.200	3.770	.24690	.14650	-.06880	.00010	.00020	.00080	.23670	.16220	.03540
1.201	6.050	.37960	.14700	-.09110	.00060	.00010	.00050	.36200	.18620	.06190
1.200	8.310	.51030	.14590	-.10750	.00200	.00040	.00090	.48380	.21810	.06470
1.202	10.530	.62660	.14310	-.11460	.00050	.00030	.00140	.58990	.25520	.06570
1.198	12.780	.76690	.14210	-.12980	.00050	.00000	.00370	.71650	.30820	.06800
1.198	14.990	.88730	.14190	-.14065	.00080	.00100	.00210	.82040	.36660	.06650
	GRADIENT	.06340	.00152	-.01476	-.00006	-.00002	-.00007	.06082	.00262	.00088

RUN NO. 17/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.790	-.22140	.14200	.01270	.00220	.00070	.00050	-.20880	.16000	.04580
1.500	-2.670	-.11490	.14150	-.00500	.00010	.00060	.00040	-.10820	.14670	.04370
1.497	-.450	-.00260	.14040	-.02540	-.00030	.00040	.00030	-.00150	.14050	.04330
1.498	1.760	.10820	.13860	-.04600	-.00010	.00030	.00030	.10390	.14190	.04310
1.500	4.000	.21950	.13720	-.06600	.00030	.00030	.00050	.20940	.15220	.04460
1.499	6.196	.32770	.13420	-.08350	-.00030	.00020	.00060	.31130	.16870	.04500
1.500	8.360	.43060	.13200	-.09810	-.00040	.00020	.00100	.40680	.19330	.04640
1.500	10.590	.53650	.13150	-.11130	-.00100	.00040	.00060	.50320	.22790	.04770
1.499	12.740	.64420	.12940	-.12730	.00020	.00020	.00060	.59980	.26830	.04810
1.501	14.980	.75650	.12750	-.14060	.00130	.00050	.00110	.69790	.31880	.04800
	GRADIENT	.05020	-.00057	-.00952	-.00018	-.00005	-.00000	.04764	-.00091	-.00013

ARC 66-709 0439 0411A-(N24 R3 V8)+STRUT+DUM STNG (REB003) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.5750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
DOFLAP = 10.300

RUN NO. 23/ 0 RN/L = 2.47 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
2.003	-3.220	-.19520	.12110	-.01560	.00410	.00120	.00090	-.18340	.13830	.02390
2.003	-3.260	-.12810	.12160	-.02230	.00350	.00120	.00010	-.12100	.12670	.02360
2.004	-1.810	-.03740	.12060	-.03300	.00380	.00110	.00010	-.03530	.12120	.02450
2.003	1.320	.05280	.11950	-.04330	.00320	.00100	.00020	.05010	.12070	.02500
2.004	3.230	.12600	.11860	-.05280	.00380	.00100	.00010	.11900	.12560	.02540
2.003	5.300	.20630	.11600	-.06280	.00360	.00100	.00020	.19620	.13540	.02460
2.003	7.730	.28940	.11360	-.07030	.00300	.00090	.00030	.27150	.15170	.02430
2.003	9.800	.37060	.11180	-.07380	.00310	.00090	.00030	.34590	.17370	.02440
2.001	12.090	.45500	.10840	-.07790	.00430	.00110	.00050	.42220	.20130	.02470
2.001	14.250	.54120	.10630	-.08370	.00420	.00090	.00050	.49840	.23620	.02540
	GRADIENT	.03901	-.00046	-.00465	.00001	-.00003	.00001	.03686	-.00049	.00024

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (REE806) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .8150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
SDFLAP = .000

RUN NO. 20/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.601	-4.620	-.31070	.05940	.03660	-.00190	.00000	.00060	-.30500	.08430	.04710
.601	-2.490	-.19990	.06440	.03440	-.00340	-.00030	.00050	.19690	.07300	.04330
.601	-.340	-.09960	.06700	.03250	-.00180	-.00020	.00080	-.09920	.06760	.04370
.601	1.770	.00110	.06570	.03210	-.00110	-.00010	.00090	-.00100	.06570	.04290
.601	3.940	.10760	.05990	.03050	-.00120	-.00010	.00110	.10340	.06720	.04150
.601	6.030	.20680	.05100	.02910	-.00170	-.00030	.00070	.20030	.07250	.04080
.601	8.230	.32300	.03870	.02630	-.00040	-.00020	.00100	.31410	.08450	.03870
.599	10.360	.43390	.02640	.02700	.00120	-.00070	.00130	.42400	.10440	.04070
.599	12.480	.56530	.03000	.01510	.00010	.00000	.00175	.54550	.15140	.04330
.599	14.670	.68920	.03090	.00810	.00170	-.00100	.00140	.65890	.20440	.04540
	GRADIENT	.04655	.00011	-.00070	.00017	.00000	.00007	.04737	-.00194	-.00065

RUN NO. 19/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.900	-5.130	-.40840	.07830	.08190	.00150	-.00020	.00070	-.39980	.11450	.04970
.901	-2.920	-.27570	.07850	.07110	.00030	-.00010	.00080	-.27130	.09250	.04580
.899	-.660	-.13250	.08110	.05870	.00060	-.00010	.00100	-.13150	.08270	.04520
.901	1.490	-.00610	.08190	.04810	-.00100	-.00030	.00070	-.00820	.08170	.04330
.899	3.720	.12010	.07900	.03990	.00030	-.00010	.00070	.11470	.08670	.04090
.903	5.890	.23650	.07990	.03490	.00010	-.00030	.00040	.22910	.10400	.04170
.901	8.130	.35990	.07910	.02620	.00090	-.00040	.00090	.34510	.12920	.04010
.902	10.290	.46320	.07980	.01970	.00030	-.00050	.00130	.44150	.16130	.04120
.899	12.420	.57460	.08380	.00650	.00380	-.00210	.00320	.54530	.20550	.04490
.901	14.640	.70130	.08560	-.00720	.00310	-.00200	.00130	.65690	.26010	.04830
	GRADIENT	.05954	.00011	-.00472	-.00010	-.00001	-.00003	.05806	-.00084	-.00075

RUN NO. 22/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.198	-5.040	-.35550	.12600	.09610	-.00060	-.00010	.00120	-.34310	.15870	.05260
1.202	-2.920	-.21070	.12800	.06300	-.00120	-.00010	.00130	-.20390	.13860	.05040
1.202	-.680	-.06950	.12970	.03080	-.00160	-.00010	.00080	-.06890	.13050	.05070
1.200	1.570	.07470	.13190	-.00090	-.00210	-.00020	.00070	.07100	.13390	.05100
1.201	3.950	.22120	.13350	-.03160	-.00210	-.00010	.00040	.21150	.14840	.05330
1.203	6.060	.34220	.13440	-.05310	-.00150	.00000	.00030	.32610	.16980	.05650
1.201	8.320	.46840	.13020	-.06360	-.00040	.00010	.00110	.44460	.19650	.05710
1.197	10.590	.58990	.12640	-.07080	-.00130	.00030	.00140	.55660	.23270	.05870
1.199	12.730	.72370	.12750	-.08980	-.00060	.00000	.00040	.67790	.28380	.06110
1.197	15.010	.85240	.12590	-.10140	-.00140	.00040	.00140	.79070	.34240	.06270
	GRADIENT	.06298	.00082	-.01380	-.00014	-.00006	-.00012	.06059	.00146	.00040

ARC 66-709 0A59 0A11A-(NZ4 R5 V8)+STRUT+DUM STNG (REF006) (25 APR 74)

REFERENCE DATA

SREF = .6693 SQ.FT. XMRP = 12.6255 IN.
LREF = .3933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = .000

RUN NO. 21/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
2.001	-3.310	-.21950	.11740	-.00080	.00310	.00120	-.00030	-.20770	.13720	.02250
2.000	-3.170	-.13920	.11810	-.00730	.00170	.00120	-.00030	-.13240	.12560	.02290
1.996	-1.010	-.05620	.11580	-.01570	.00000	.00110	-.00010	-.05420	.11680	.02360
2.000	1.150	.02670	.11450	-.02560	.00070	.00100	.00000	.02440	.11500	.02410
1.999	3.290	.10600	.11310	-.03480	.00190	.00090	-.00020	.09930	.11900	.02450
1.999	5.460	.18760	.11000	-.04250	.00100	.00080	-.00010	.17630	.12740	.02400
1.999	7.650	.26300	.10700	-.04770	.00060	.00080	-.00010	.24640	.14110	.02370
1.997	9.790	.34070	.10420	-.05080	.00130	.00070	.00010	.31800	.16060	.02410
1.997	11.950	.42280	.10120	-.05370	.00280	.00090	.00020	.39260	.18660	.02450
1.997	14.110	.50760	.09790	-.05640	.00290	.00080	.00030	.46840	.21860	.02510
	GRADIENT	.03600	-.00076	-.00429	.00006	-.00005	.00002	.03592	-.00101	.00025

ARC 66-709 0459 0411A-(M24 B5 V8)+STRUT+DUM STNG (REV007) (29 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9833 FT. YMRP = .0000 IN.
9REF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0199

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 42/ 0 RN/L = 2.49 GRADIENT INTERVAL = -3.00/ 3.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.599	-15.020	-.06620	.06920	.03260	.15000	.02880	-.02690	-.06610	.06940	.03990
.600	-9.700	-.09240	.07110	.04400	.09700	.01780	-.01650	-.09230	.07120	.05160
.601	-6.590	-.09260	.07170	.04840	.06700	.01160	-.01030	-.09250	.07190	.04650
.601	-4.480	-.09060	.07250	.05170	.04360	.00750	-.00650	-.09050	.07270	.04760
.600	-2.350	-.09120	.07310	.05320	.02470	.00340	-.00350	-.09110	.07320	.04770
.602	-.270	-.08780	.07390	.05330	.00360	-.00010	.00030	-.08770	.07400	.04790
.600	.810	-.08580	.07290	.05400	-.00650	-.00200	.00200	-.08570	.07300	.04780
.601	1.820	-.08590	.07270	.05380	-.01680	-.00360	.00340	-.08580	.07280	.04740
.601	3.910	-.08550	.07340	.05340	-.03830	-.00730	.00670	-.08540	.07350	.04820
.599	6.000	-.08080	.07030	.05120	-.06050	-.01140	.00990	-.08070	.07040	.04770
	GRADIENT	.00077	.00006	.00020	-.01000	-.00177	.00159	.00077	.00005	.00004

RUN NO. 41/ 0 RN/L = 2.53 GRADIENT INTERVAL = -3.00 3.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-15.040	-.10150	.07280	.03740	.15610	.02830	-.02750	-.10130	.07300	.06320
.701	-9.720	-.10250	.07340	.05040	.09870	.01740	-.01630	-.10230	.07360	.05210
.700	-6.560	-.10220	.07330	.05540	.07060	.01150	-.01020	-.10210	.07330	.04930
.699	-4.470	-.10050	.07440	.05800	.04840	.00760	-.00660	-.10040	.07450	.04770
.700	-2.310	-.09940	.07400	.05940	.02470	.00350	-.00300	-.09930	.07420	.04730
.700	-.250	-.09960	.07530	.05800	.00530	.00010	.00010	-.09940	.07540	.04770
.700	.840	-.09650	.07440	.06010	-.00630	-.00180	.00200	-.09640	.07450	.04790
.701	1.900	-.09740	.07360	.06050	-.01930	-.00360	.00340	-.09720	.07370	.04730
.700	3.970	-.09360	.07450	.05910	-.03990	-.00730	.00640	-.09570	.07460	.04770
.701	6.050	-.09440	.07260	.05880	-.06370	-.01110	.01070	-.09430	.07270	.05140
	GRADIENT	.00057	.00006	.00017	-.01044	-.00175	.00154	.00057	.00007	.00001

RUN NO. 40/ 0 RN/L = 2.52 GRADIENT INTERVAL = -3.00/ 3.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.698	-15.070	-.12950	.08300	.04890	.16510	.02870	-.02890	-.12930	.08330	.08660
.700	-9.670	-.11920	.07860	.06040	.10490	.01820	-.01710	-.11900	.07890	.05400
.699	-6.470	-.11900	.07860	.06550	.06990	.01020	-.01090	-.11880	.07900	.05040
.700	-4.350	-.11750	.07760	.06740	.04730	.00630	-.00690	-.11730	.07790	.04860
.699	-2.220	-.11540	.07670	.06630	.02390	.00260	-.00340	-.11520	.07690	.04810
.701	-.150	-.11360	.07830	.07030	.00230	-.00040	.00010	-.11350	.07860	.04860
.699	.980	-.11080	.07690	.06980	-.00650	-.00200	.00200	-.11030	.07710	.04580
.701	3.020	-.11100	.07850	.06980	-.02180	-.00370	.00350	-.11080	.07870	.04640
.699	6.150	-.11100	.07760	.06960	-.04670	-.00720	.00690	-.11080	.07780	.04760
.702	8.230	-.11060	.07870	.06870	-.06990	-.01100	.01040	-.11040	.07890	.05110
	GRADIENT	.00077	.00007	.00028	-.01095	-.00176	.00163	.00077	.00006	-.00011

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER007) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 39/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.897	-15.030	-.14450	.10090	.05290	.18380	.02230	-.03230	-.14420	.10140	.06940
.898	-9.630	-.12270	.09650	.06660	.11850	.01260	-.02010	-.12240	.09680	.05820
.900	-6.410	-.11670	.09260	.07290	.07840	.00800	-.01300	-.11650	.09290	.05210
.900	-4.260	-.10830	.09220	.07470	.05420	.00480	-.00840	-.10810	.09240	.05110
.900	-2.150	-.10840	.09200	.07640	.02790	.00190	-.00380	-.10830	.09220	.04750
.897	.000	-.10760	.08970	.07890	.00040	-.00070	.00010	-.10740	.08990	.04860
.900	1.100	-.10370	.09080	.07730	-.01140	-.00200	.00220	-.10350	.09100	.04720
.899	2.170	-.10120	.09190	.07710	-.02610	-.00330	.00400	-.10110	.09200	.04860
.899	4.260	-.10410	.08770	.07680	-.05060	-.00610	.00850	-.10400	.08780	.04780
.899	6.360	-.10670	.08910	.07530	-.07650	-.00920	.01230	-.10660	.08930	.05110
	GRADIENT	.00076	-.00041	.00023	-.01232	-.00126	.00195	.00075	-.00043	-.00028

RUN NO. 38/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.200	-15.320	-.06410	.13520	.02340	.16030	.04370	-.01780	-.06390	.13530	.06270
1.199	-9.700	-.03960	.13690	.02690	.09540	.02450	-.01000	-.03950	.13690	.05710
1.200	-6.440	-.02940	.13640	.02580	.06450	.01540	-.00670	-.02930	.13650	.05490
1.200	-4.300	-.02680	.13670	.02500	.04380	.00990	-.00400	-.02670	.13670	.05400
1.198	-2.110	-.01690	.13410	.02520	.02140	.00470	-.00140	-.01680	.13410	.05120
1.196	.050	-.01480	.13330	.02430	.00090	.00030	.00110	-.01480	.13330	.04850
1.195	1.180	-.01690	.13470	.02440	-.01120	-.00200	.00210	-.01690	.13470	.04960
1.202	2.140	-.01730	.13530	.02520	-.02070	-.00410	.00270	-.01730	.13530	.05090
1.200	4.450	-.01480	.13540	.02570	-.04550	-.00900	.00570	-.01480	.13540	.05100
1.202	6.740	-.01840	.13660	.02650	-.06810	-.01450	.00820	-.01830	.13660	.05390
	GRADIENT	.00118	-.00007	.00005	-.01014	-.00214	.00108	.00117	-.00007	-.00031

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER007) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 37/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.001	-15.130	-.04260	.11650	-.02800	.18910	.04190	-.02020	-.04240	.11660	.02650
2.001	-14.030	-.04870	.11710	-.03240	.17440	.03910	-.01890	-.04840	.11720	.02670
2.001	-11.690	-.03650	.11720	-.03050	.13730	.03240	-.01560	-.03630	.11730	.02690
2.001	-9.530	-.02600	.11710	-.02710	.10960	.02680	-.01290	-.02580	.11720	.02650
2.003	-7.230	-.02130	.11680	-.02460	.07840	.02000	-.00970	-.02110	.11680	.02580
2.003	-6.190	-.02070	.11700	-.02210	.06620	.01720	-.00860	-.02060	.11700	.02560
2.003	-5.040	-.01810	.11740	-.02160	.05400	.01450	-.00700	-.01800	.11740	.02560
2.003	-3.930	-.01780	.11750	-.01890	.04040	.01110	-.00550	-.01760	.11750	.02550
2.003	-2.830	-.01620	.11790	-.01910	.02990	.00840	-.00410	-.01610	.11790	.02550
2.003	-1.760	-.01720	.11730	-.01770	.01700	.00520	-.00250	-.01710	.11730	.02490
2.003	-.650	-.01530	.11750	-.01700	.00790	.00270	-.00120	-.01520	.11750	.02420
2.003	.430	-.01760	.11720	-.01730	-.00300	-.00010	.00040	-.01740	.11730	.02440
2.003	1.460	-.01360	.11760	-.01720	-.01420	-.00270	.00160	-.01350	.11760	.02430
2.000	2.560	-.01700	.11680	-.01790	-.02510	-.00550	.00310	-.01680	.11680	.02460
2.005	3.640	-.01260	.11730	-.01810	-.03740	-.00840	.00460	-.01250	.11730	.02420
1.998	4.770	-.01590	.11660	-.01900	-.05080	-.01160	.00620	-.01580	.11660	.02460
2.005	5.860	-.01220	.11620	-.02000	-.06160	-.01400	.00745	-.01210	.11630	.02430
2.003	6.950	-.01510	.11570	-.02150	-.07650	-.01730	.00885	-.01490	.11570	.02470
	GRADIENT	.00031	-.00010	.00003	-.01036	-.00259	.00134	.00031	-.00010	-.00011

ARC 66-709 OA59 OA114-(M24 RS V8)+STRUT+DUM STNG (RER008) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 48/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.602	-12.000	.44410	.03270	.04010	.12340	.02320	-.00130	.43060	.11360	.05390
.598	-9.830	.45610	.03020	.04110	.10240	.01880	-.00140	.44280	.11340	.04960
.599	-6.690	.45550	.02990	.04250	.07010	.01180	-.00090	.44230	.11300	.04740
.600	-4.560	.45180	.02990	.04540	.04800	.00750	-.00060	.43870	.11230	.04550
.600	-2.470	.45290	.03090	.04510	.02720	.00360	-.00050	.43950	.11340	.04620
.600	-.370	.45430	.03040	.04610	.00410	-.00020	-.00050	.44100	.11320	.04540
.599	.710	.45350	.03030	.04450	-.00640	-.00200	-.00040	.44020	.11300	.04610
.600	1.700	.45420	.03040	.04390	-.01640	-.00350	-.00100	.44090	.11320	.04480
.600	3.800	.45460	.03050	.04310	-.03700	-.00750	-.00140	.44130	.11340	.04660
.597	5.910	.45520	.02890	.04000	-.05810	-.01140	-.00140	.44220	.11180	.04510
	GRADIENT	.00032	.00003	-.00028	-.01023	-.00178	-.00009	.00031	.00009	.00005

RUN NO. 47/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.701	-12.030	.46500	.04230	.03990	.12950	.02220	-.00210	.44910	.12780	.05290
.698	-9.830	.47860	.04060	.03740	.10810	.01740	-.00220	.46300	.12690	.05090
.700	-6.660	.48090	.04150	.03920	.07360	.01060	-.00070	.46490	.13000	.04730
.700	-4.550	.47420	.04600	.04090	.05210	.00630	-.00130	.45750	.13310	.04660
.700	-2.420	.47020	.04550	.04090	.02720	.00240	-.00120	.45370	.13180	.04610
.701	-.310	.47460	.04480	.04220	.00320	-.00050	-.00110	.45810	.13200	.04570
.700	.760	.47460	.04520	.04190	-.00750	-.00160	-.00070	.45810	.13230	.04560
.701	1.790	.47420	.04550	.04110	-.01820	-.00330	-.00060	.45760	.13250	.04530
.701	3.890	.47640	.04400	.03940	-.04130	-.00690	-.00030	.46000	.13150	.04580
.698	5.980	.47710	.04170	.03700	-.06370	-.01090	-.00010	.46110	.12930	.04630
	GRADIENT	.00040	-.00018	-.00011	-.01101	-.00152	.00012	.00043	-.00011	-.00014

RUN NO. 46/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.798	-12.060	.47170	.05350	.03570	.14210	.02400	-.00590	.45160	.15040	.05310
.801	-9.870	.48410	.06510	.03740	.11920	.01870	-.00460	.46340	.15450	.05310
.801	-6.640	.47880	.06570	.04070	.08240	.01140	-.00320	.45820	.15400	.04890
.797	-4.490	.47810	.06250	.04340	.05450	.00730	-.00050	.45800	.15060	.04700
.800	-2.320	.47870	.06380	.04580	.02800	.00350	.00050	.45840	.15210	.04580
.799	-.210	.47420	.06370	.04560	.00270	.00010	.00060	.45450	.15100	.04620
.800	.880	.47880	.06430	.04640	-.01000	-.00170	.00050	.45840	.15250	.04620
.800	1.880	.47790	.06380	.04540	-.02130	-.00330	.00070	.45760	.15180	.04580
.800	4.070	.47690	.06220	.04220	-.04730	-.00760	.00110	.45690	.15000	.04540
.803	6.150	.48400	.06330	.03910	-.07560	-.01210	.00220	.46330	.15450	.04960
	GRADIENT	-.00012	-.00001	-.00009	-.01187	-.00172	.00016	-.00011	-.00004	-.00014

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT+DUM STNG (RER008) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 45/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.901	-12.200	.49020	.09840	.02880	.15980	.02570	-.00440	.46300	.18870	.06050
.895	-9.810	.49690	.09880	.03000	.13220	.01770	-.00390	.46950	.19040	.05660
.902	-6.600	.49160	.09370	.03170	.08890	.01080	-.00100	.46530	.18430	.04980
.901	-4.420	.48740	.09140	.03330	.05870	.00630	-.00020	.46160	.18120	.04750
.900	-2.240	.48780	.0887	.03580	.02810	.00240	.00080	.46250	.17860	.04460
.901	-.120	.50870	.08850	.02900	.00300	-.00100	.00100	.48300	.18250	.04710
.902	1.000	.50500	.08820	.02950	-.01260	-.00340	.00120	.47940	.18150	.04420
.900	2.050	.49790	.08680	.03250	-.02620	-.00550	.00140	.47270	.17870	.04500
.900	4.190	.49730	.08940	.03380	-.05290	-.00930	.00040	.47170	.18110	.04670
.901	6.340	.49320	.08660	.03010	-.08440	-.01370	.00200	.46780	.17950	.04870
	GRADIENT	.00153	-.00028	-.00017	-.01291	-.00182	.00009	.00156	.00001	-.00009

RUN NO. 44/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.199	-12.230	.59720	.12540	-.04770	.12600	.03250	-.00010	.56190	.23800	.05920
1.201	-9.840	.61120	.12910	-.05500	.10080	.02540	-.00060	.57490	.24450	.05910
1.199	-6.540	.61430	.12880	-.05850	.06660	.01500	-.00080	.57600	.24470	.05870
1.200	-4.380	.62030	.12660	-.06140	.04400	.00930	.00040	.58420	.24370	.05850
1.201	-2.170	.62710	.12890	-.06560	.02080	.00460	.00070	.59050	.24740	.05940
1.199	-.040	.63230	.12900	-.06710	-.00310	.00070	.00100	.59550	.24850	.05960
1.199	1.030	.62660	.12940	-.06560	-.01310	-.00170	.00050	.58990	.24780	.05990
1.198	2.110	.62450	.12930	-.06390	-.02400	-.00400	.00000	.58790	.24720	.05940
1.202	4.250	.62120	.13000	-.06450	-.04660	-.00900	.00070	.58450	.24720	.05930
1.201	6.300	.61860	.13110	-.06440	-.06490	-.01450	.00160	.58190	.24760	.06110
	GRADIENT	-.00000	.00034	-.00023	-.01049	-.00209	-.00001	-.00006	.00033	.00009

RUN NO. 43/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.998	-12.030	.38490	.10360	-.05420	.13420	.03220	-.00350	.35880	.17360	.02680
2.007	-9.580	.38300	.10560	-.05320	.10450	.02580	-.00310	.35670	.17500	.02690
2.005	-6.230	.37530	.10450	-.04880	.06230	.01730	-.00260	.34940	.17240	.02580
2.001	-4.080	.37400	.10470	-.04750	.03870	.01140	-.00210	.34810	.17230	.02550
1.999	-1.900	.37680	.10530	-.04770	.01670	.00540	-.00130	.35070	.17340	.02560
1.999	.280	.37620	.10580	-.04750	-.00450	-.00060	.00010	.35010	.17380	.02510
2.001	1.390	.37840	.10600	-.04780	-.01540	-.00360	.00050	.35210	.17440	.02520
2.002	2.430	.37870	.10570	-.04840	-.02690	-.00670	.00090	.35250	.17410	.02540
2.004	4.600	.38020	.10550	-.05010	-.04770	-.01240	.00190	.35400	.17420	.02540
2.006	6.810	.37950	.10400	-.05130	-.07430	-.01810	.00200	.35360	.17260	.02640
	GRADIENT	.00067	.00010	-.00026	-.00997	-.00275	.00047	.00063	.00022	-.00002

ARC 66-709 OA59 OA11A-(N24 R5 V6)+STRUT (RER009) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 84/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.040	-.32850	.07310	.05680	.00270	-.00030	.00050	-.32250	.09610	.05550
.598	-1.950	-.21880	.07650	.05590	.00170	-.00020	.00120	-.21610	.08390	.05320
.598	.160	-.11700	.07800	.05470	.00130	-.00010	.00120	-.11720	.07770	.05110
.601	2.310	-.01520	.07420	.05590	.00040	-.00010	.00110	-.01820	.07350	.05070
.602	4.430	.08920	.06790	.05490	-.00060	.00000	.00140	.08370	.07460	.04820
.601	6.480	.19130	.05650	.05370	-.00080	.00000	.00110	.18370	.07780	.04560
.602	8.700	.30290	.04350	.05290	-.00020	-.00010	.00070	.29280	.08880	.04490
.601	10.910	.44690	.03220	.04810	.00250	-.00080	.00180	.43280	.11610	.04480
.599	13.020	.56930	.03820	.03590	.00160	-.00050	.00170	.54610	.16540	.04790
.600	15.220	.68890	.03700	.03180	.00090	-.00070	-.00010	.65590	.21650	.05120
	GRADIENT	.04691	-.00060	-.00018	-.00037	.00003	.00008	.04756	-.00251	-.00080

RUN NO. 83/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.330	-.37530	.08230	.07740	.00380	-.00020	.00080	-.36800	.11050	.05740
.600	-2.140	-.25290	.08380	.07270	.00200	-.00020	.00070	-.24960	.09320	.05340
.601	.060	-.13730	.08380	.07150	.00180	-.00010	.00110	-.13740	.08360	.05270
.603	.370	-.11570	.08360	.07080	.00130	-.00010	.00100	-.11630	.08290	.05140
.601	2.590	-.00300	.07940	.06770	.00060	.00000	.00110	-.00660	.07920	.04700
.600	4.720	.11190	.07300	.06530	-.00030	.00000	.00120	.10550	.08200	.04720
.603	6.980	.24660	.06590	.05640	.00010	.00020	.00160	.23680	.09540	.04450
.601	9.180	.37630	.06610	.04960	.00090	-.00030	.00190	.36090	.12530	.04470
.600	11.340	.49180	.06770	.04550	.00090	-.00040	.00250	.46890	.16310	.04700
.600	13.570	.61770	.07120	.03370	.00070	-.00070	.00160	.58370	.21420	.05080
.799	15.810	.74090	.07300	.02580	.00030	-.00090	.00120	.69300	.27210	.05530
	GRADIENT	.05364	-.00100	-.00128	-.00042	.00003	.00005	.05213	-.00311	-.00120

RUN NO. 82/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.897	-4.510	-.42110	.09270	.10370	.00300	-.00040	.00060	-.41250	.12560	.05650
.901	-2.380	-.28660	.09720	.09510	.00150	-.00030	.00090	-.28240	.10910	.05670
.900	-.190	-.14650	.09820	.08130	.00100	-.00020	.00120	-.14620	.09870	.05560
.901	2.020	-.00810	.09640	.06910	.00050	-.00010	.00150	-.01150	.09600	.05200
.900	4.230	.10900	.09560	.06410	-.00050	.00010	.00200	.10160	.10340	.05120
.900	6.460	.23130	.09450	.05900	.00040	-.00020	.00190	.21920	.12000	.04[illegible]
.900	10.930	.49990	.09330	.02630	.00150	-.00110	.00260	.47310	.18[illegible]	.04820
.898	13.160	.62580	.09710	.01190	.00610	-.00260	.00190	.[illegible]	.23690	.05220
.899	15.470	.75670	.09899	.00070	.00230	-.00200	.00110	.70280	.29720	.05590
	GRADIENT	.06117	.00022	-.00481	-.00037	.00005	.00016	.05936	-.00261	-.00070

ARC 66-709 OA59 OA11A··(N24 R5 V?)+STRUT (RER009) (25 APR 74)

REFERENCE DATA

SREF = .6093 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 81/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.202	-4.670	-.33150	.13160	.09640	.00100	.00020	.00130	-.33960	.15980	.05340
1.200	-2.020	-.18460	.13290	.06150	-.00020	-.00020	.00080	-.17970	.13930	.05250
1.202	.010	-.04710	.13730	.02810	.00000	.00030	.00090	-.04710	.13730	.05460
1.204	.300	-.02250	.14040	.02290	-.00050	.00000	.00090	-.02320	.14030	.05630
1.199	2.550	.10800	.13760	-.00090	-.00060	.00010	.00100	.10170	.14240	.05450
1.198	4.780	.24070	.13910	-.02570	-.00080	.00000	.00090	.22630	.15870	.05720
1.200	7.060	.39700	.13640	-.04740	-.00090	.00000	.00130	.37730	.18420	.05760
1.202	9.390	.51960	.13250	-.05820	-.00110	.00020	.00200	.49100	.21560	.05920
1.199	11.550	.65210	.13000	-.06970	-.00150	.00100	.00210	.61280	.25800	.05990
1.200	13.850	.78470	.13160	-.08730	-.00360	.00080	.00270	.73040	.31560	.06450
1.199	16.070	.90310	.13000	-.09460	-.00320	.00060	.00150	.83180	.37490	.06560
	GRADIENT	.06295	.00065	-.01307	-.00017	-.00001	-.00003	.06041	-.00003	.00041

RUN NO. 80/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.502	-4.030	-.22660	.13310	.03770	-.00040	.00060	.00120	-.21660	.14870	.04120
1.500	-2.000	-.12510	.13330	.02100	-.00100	.00060	.00080	-.12030	.13760	.04170
1.499	.110	-.01930	.13290	.00190	-.00020	.00070	.00060	-.01950	.13290	.04160
1.500	.500	.00350	.13260	-.00190	-.00130	.00060	.00070	.00230	.13260	.04180
1.500	2.740	.11250	.13120	-.01980	-.00050	.00050	.00060	.10610	.13640	.04240
1.499	4.930	.21800	.12870	-.03570	-.00020	.00030	.00070	.20620	.14700	.04360
1.499	7.140	.34230	.12670	-.05140	-.00040	.00040	-.00060	.32390	.16830	.04520
1.500	9.410	.44480	.12450	-.06190	-.00100	.00020	.00020	.41850	.19550	.04630
1.500	11.650	.54930	.12410	-.07480	.00110	-.00030	-.00080	.51290	.23250	.04870
1.499	13.880	.65680	.12220	-.09030	-.00050	.00000	.00000	.60830	.27620	.04980
1.499	16.110	.76610	.11800	-.10010	-.00150	.00020	.00070	.70330	.32990	.05000
	GRADIENT	.04973	-.00049	-.00828	.00004	-.00006	-.00005	.04732	-.00016	.00024

ARC 66-709 OA59 OA11A-(N24 R5 V8)+STRUT (RER009) (25 APR 74)

REFERENCE DATA

SREF = .6953 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 79/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.993	-4.730	-.21440	.11780	.00440	.00190	.00110	-.00030	-.20390	.13510	.02180
1.991	-2.580	-.13260	.11660	-.00170	.00040	.00080	-.00020	-.12720	.12250	.02250
1.990	-.450	-.04670	.11500	-.01090	-.00020	.00080	-.00010	-.04780	.11540	.02290
1.990	-.050	-.03420	.11480	-.01360	.00120	.00080	-.00010	-.03420	.11480	.02390
1.999	1.740	.03750	.11450	-.02200	.00010	.00070	.00000	.03400	.11560	.02380
1.999	4.210	.12940	.11340	-.03180	-.00020	.00030	.00000	.12080	.12260	.02500
1.999	6.420	.20800	.11100	-.03800	.00010	.00040	-.00010	.19430	.13350	.02570
1.999	8.650	.29740	.10910	-.04370	-.00050	.00020	.00010	.27760	.15270	.02580
1.998	10.830	.38210	.10680	-.04660	-.00060	.00010	.00010	.35520	.17670	.02700
1.998	12.990	.46387	.10430	-.04830	-.00020	.00020	.00020	.42850	.20590	.02740
1.998	15.190	.55070	.10060	-.05150	.00010	.00000	.00030	.50510	.24140	.02810
	GRADIENT	.03862	-.00049	-.00418	-.00020	-.00008	.00004	.03650	-.00143	.00035

ARC 66-709 0A59 0A11A-(N24 R5 V8)+STRUT (RER010) (25 APR 74)

REFERENCE DATA

BREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 63/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-15.010	-.09290	.07200	.03510	.15180	.02960	-.02660	-.09280	.07220	.06380
.601	-9.760	-.09400	.07410	.04560	.09490	.01850	-.01610	-.09390	.07430	.05360
.600	-6.390	-.09610	.07480	.05120	.06840	.01260	-.01060	-.09600	.07500	.05250
.601	-4.490	-.09780	.07590	.05360	.04450	.00840	-.00650	-.09760	.07600	.05080
.602	-2.420	-.09820	.07790	.05650	.02380	.00450	-.00330	-.09810	.07800	.05310
.601	-.300	-.09620	.07840	.05730	.00150	.00030	.00050	-.09610	.07850	.05160
.601	.750	-.09630	.07850	.05760	-.00770	-.00150	.00180	-.09620	.07860	.05280
.600	1.790	-.09450	.07720	.05660	-.01670	-.00310	.00320	-.09440	.07730	.05100
.596	3.860	-.09170	.07690	.05620	-.03680	-.00710	.00670	-.09160	.07700	.05260
.600	5.950	-.08770	.07520	.05530	-.05150	-.01110	.01060	-.08760	.07530	.05130
	GRADIENT	.00073	.00009	.00028	-.00973	-.00184	.00157	.00072	.00009	.00009

RUN NO. 67/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.798	-15.080	-.13060	.08590	.04990	.16750	.02800	-.02920	-.13040	.08620	.06990
.799	-9.690	-.12050	.08260	.06110	.10450	.01710	-.01660	-.12030	.08290	.05700
.799	-6.520	-.11670	.08230	.06660	.07090	.01110	-.01080	-.11650	.08250	.05280
.801	-4.390	-.11690	.08270	.06920	.04980	.00760	-.00660	-.11680	.08290	.05240
.802	-2.260	-.11620	.08370	.07200	.02480	.00390	-.00280	-.11600	.08400	.05090
.798	-.140	-.11490	.08350	.07210	.00150	.00010	.00050	-.11470	.08370	.05210
.800	.930	-.11310	.08360	.07230	-.00880	-.00130	.00210	-.11290	.08380	.05190
.801	1.980	-.11310	.08430	.07240	-.01900	-.00280	.00380	-.11300	.08450	.05140
.800	4.110	-.11270	.08260	.07210	-.04610	-.00670	.00780	-.11260	.08300	.05250
.801	6.180	-.10770	.07970	.06870	-.06170	-.00960	.01140	-.10760	.07990	.05150
	GRADIENT	.00056	.00004	.00030	-.01108	-.00166	.00166	.00056	.00004	.00003

RUN NO. 66/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.902	-15.070	-.14740	.10830	.05390	.19050	.02280	-.03310	-.14710	.10880	.07450
.898	-9.660	-.12530	.10040	.06770	.11960	.01340	-.02040	-.12510	.10070	.06190
.900	-6.450	-.11330	.10010	.07260	.08050	.00820	-.01350	-.11310	.10030	.05540
.900	-4.310	-.10860	.09880	.07580	.05160	.00550	-.00810	-.10840	.09900	.05350
.902	-2.170	-.10580	.10080	.07780	.02900	.00300	-.00370	-.10560	.10100	.05270
.901	-.030	-.10320	.09940	.07910	.00210	.00000	.00040	-.10300	.09960	.05390
.902	1.050	-.09860	.10220	.07710	-.01270	-.00130	.00260	-.09840	.10240	.05260
.900	2.080	-.10330	.09810	.07960	-.02310	-.00260	.00420	-.10340	.09830	.05200
.902	4.210	-.10270	.09810	.07670	-.05120	-.00550	.00910	-.10260	.09830	.05250
.902	6.300	-.10200	.09670	.07440	-.07640	-.00780	.01420	-.10180	.09680	.05350
	GRADIENT	.00077	-.00013	.00015	-.01213	-.00130	.00199	.00076	-.00013	-.00014

ARC 66-709 0459 0411A-(N24 R5 V8)+STRUT (RER010) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
EDFLAP = -11.700

RUN NO. 65/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.199	-15.310	-.06610	.13480	.02550	.16140	.04350	-.01740	-.06580	.13490	.06090
1.202	-9.720	-.04340	.13650	.02810	.09450	.02500	-.01030	-.04330	.13660	.05430
1.199	-6.460	-.03400	.13550	.02860	.06140	.01390	-.00650	-.03390	.13530	.05150
1.200	-4.300	-.03000	.13560	.02780	.04150	.01040	-.00400	-.02990	.13560	.04980
1.200	-2.120	-.02630	.13560	.02730	.01920	.00910	-.00170	-.02620	.13560	.04890
1.200	.010	-.02250	.13630	.02670	-.00190	.00050	.00090	-.02250	.13630	.04870
1.199	1.110	-.02180	.13620	.02670	-.01130	-.00170	.00220	-.02180	.13620	.04860
1.200	2.170	-.02370	.13590	.02750	-.02240	-.00400	.00360	-.02370	.13600	.04830
1.200	4.350	-.02130	.13660	.02830	-.04650	-.00890	.00580	-.02120	.13660	.04820
1.199	6.470	-.02440	.13430	.03060	-.06500	-.01400	.00830	-.02430	.13430	.04930
	GRADIENT	.00096	.00008	.00004	-.01005	-.00221	.00115	.00096	.00008	-.00018

RUN NO. 64/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.499	-15.690	-.06330	.12920	-.01020	.19010	.04660	-.02480	-.06500	.12930	.04930
1.499	-10.000	-.03610	.13110	-.00110	.10530	.02810	-.01500	-.03590	.13120	.04590
1.499	-6.680	-.02840	.13250	.00190	.06650	.01820	-.00970	-.02820	.13250	.04390
1.500	-4.350	-.02410	.13320	.00340	.04540	.01210	-.00640	-.02400	.13320	.04280
1.500	-2.340	-.02270	.13330	.00370	.02360	.00640	-.00310	-.02260	.13330	.04160
1.500	-.210	-.01870	.13330	.00380	.00120	.00080	-.00020	-.01860	.13330	.04190
1.500	.920	-.02040	.13290	.00360	-.00860	-.00160	.00130	-.02030	.13300	.04160
1.500	2.010	-.01880	.13350	.00440	-.02030	-.00430	.00290	-.01870	.13350	.04210
1.500	4.180	-.01800	.13240	.00370	-.04150	-.00970	.00580	-.01790	.13240	.04150
1.500	6.340	-.01970	.13220	.00330	-.06320	-.01570	.00900	-.01960	.13220	.04260
	GRADIENT	.00072	-.00007	.00005	-.00997	-.00249	.00139	.00072	-.00007	-.00010

RUN NO. 63/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.994	-15.150	-.05910	.11750	-.03360	.19250	.04220	-.02030	-.05870	.11770	.02770
1.997	-9.530	-.03300	.11760	-.02710	.10650	.02660	-.01280	-.03280	.11760	.02610
1.997	-6.240	-.02500	.11740	-.02150	.06400	.01780	-.00850	-.02490	.11740	.02460
1.997	-4.000	-.02320	.11740	-.01930	.03850	.01170	-.00540	-.02310	.11740	.02400
1.997	-1.630	-.02080	.11740	-.01640	.01670	.00560	-.00260	-.02070	.11750	.02320
1.997	.340	-.01940	.11670	-.01590	-.00450	.00030	.00040	-.01930	.11670	.02270
1.997	1.370	-.01910	.11700	-.01520	-.01600	-.00250	.00190	-.01900	.11710	.02300
2.002	2.530	-.01810	.11780	-.01580	-.02700	-.00540	.00320	-.01800	.11780	.02270
1.997	4.730	-.01770	.11660	-.01850	-.05120	-.01110	.00620	-.01760	.11660	.02330
1.994	6.850	-.01840	.11740	-.01930	-.07430	-.01720	.00890	-.01830	.11750	.02470
	GRADIENT	.00083	-.00006	.00013	-.01023	-.00261	.00133	.00083	-.00006	-.00009

ARC 66-709 0A39 0A11A-(M24 R5 V8)+STRUT (RER011) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
SCFLAP = -11.700

RUN NO. 62/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.610	.45140	.02830	.04780	.04760	.00780	-.00070	.45650	.11070	.04350
.599	-2.570	.45020	.02960	.04900	.02830	.00360	-.00080	.45720	.11170	.04580
.601	-.380	.44700	.02900	.04770	.00330	-.00060	-.00040	.45410	.11030	.04460
.601	.650	.44680	.02910	.04690	-.00520	-.00220	-.00100	.45360	.11060	.04480
.601	1.610	.44720	.02820	.04740	-.01470	-.00380	-.00090	.45440	.10980	.04510
.601	3.6[illegible]	.44510	.02780	.04580	-.03660	-.00800	-.00160	.45250	.10890	.04480
.600	[illegible]	.44490	.02810	.04080	-.05760	-.01180	-.00080	.45220	.10910	.04670
.599	7.800	.44600	.02960	.03820	-.07730	-.01590	-.00080	.45300	.11090	.04940
.600	11.130	.44150	.03230	.03660	-.11020	-.02230	-.00050	.42810	.11250	.05570
.602	16.320	.42760	.04170	.02990	-.15570	-.03170	.00060	.41260	.11910	.06860
	GRADIENT	-.00076	-.00010	-.00028	-.01006	-.00186	-.00059	-.00072	-.00025	.00009

RUN NO. 61/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.701	-4.530	.47020	.04760	.04160	.05080	.00640	-.00160	.45320	.13400	.04600
.701	-2.390	.46660	.04490	.04250	.02590	.00230	-.00090	.45020	.13060	.04490
.699	-.340	.46900	.04460	.04360	.00380	-.00040	-.00070	.45260	.13080	.04500
.700	.760	.46560	.04430	.04230	-.00710	-.00160	-.00030	.44950	.12980	.04490
.700	1.820	.46770	.04380	.04210	-.01920	-.00350	.00010	.45150	.12970	.04470
.699	3.920	.46900	.04300	.04130	-.04060	-.00740	-.00030	.45290	.12910	.04520
.699	6.040	.46950	.04180	.03800	-.06180	-.01100	.00030	.45360	.12800	.04670
.700	8.130	.47010	.04140	.03420	-.08460	-.01510	.00170	.45430	.12770	.04960
.699	11.340	.45290	.04270	.03610	-.11540	-.02130	.00160	.43720	.12560	.05690
.701	16.600	.43580	.04950	.03230	-.16950	-.03370	.00270	.41930	.12890	.07120
	GRADIENT	-.00011	-.00049	-.00005	-.01079	-.00157	.00017	-.00002	-.00052	-.00009

RUN NO. 60/ 0 RN/L = 2.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.490	.47980	.06470	.04240	.05530	.00720	-.00130	.45920	.15330	.04630
.600	-2.360	.47830	.06600	.04540	.02800	.00350	.00030	.45750	.15450	.04550
.602	-.250	.47280	.06420	.04600	.00190	-.00020	.00080	.45250	.15140	.04270
.600	.850	.47070	.06400	.04550	-.01060	-.00190	.00040	.45050	.15070	.04340
.798	1.930	.47330	.06310	.04540	-.02160	-.00360	.00050	.45320	.15040	.04370
.798	4.090	.47080	.06260	.04250	-.04460	-.00800	.00160	.45090	.14930	.04420
.800	6.180	.47290	.06400	.03930	-.07110	-.01200	.00300	.45260	.15110	.04480
.799	8.390	.47330	.06460	.03560	-.09790	-.01680	.00430	.45290	.15170	.04840
.801	11.560	.46480	.06530	.03360	-.13400	-.02480	.00670	.44430	.15060	.05390
.803	16.870	.43200	.06740	.03520	-.19930	-.03880	.00940	.41200	.14630	.06930
	GRADIENT	-.00113	-.00033	.00003	-.01200	-.00175	.00027	-.00103	-.00036	-.00029

ARC 66-709 0439 0411A-(NR4 R5 V8)+STRUT (REQ011) (25 APR 74

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 59/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.410	.49970	.09340	.02820	.05970	.00600	-.00060	.47320	.18580	.04970
.901	-2.280	.50200	.09090	.02690	.03140	.00220	-.00010	.47600	.18370	.04720
.894	-.120	.48880	.08880	.03640	.00110	-.00120	.00050	.46340	.17900	.04800
.900	1.020	.49920	.09040	.02910	-.01180	-.00360	.00110	.47330	.18260	.04750
.899	2.100	.50310	.08920	.02920	-.02640	-.00540	.00070	.47730	.18230	.04680
.900	4.230	.51060	.09100	.02370	-.05570	-.00940	.00050	.48440	.18550	.04770
.902	6.400	.50150	.09190	.02400	-.08400	-.01380	.00230	.47530	.18450	.04710
.900	8.540	.48890	.09170	.02790	-.11270	-.01820	.00290	.46400	.18200	.05010
.900	11.780	.47430	.09360	.02770	-.14730	-.02790	.00430	.44840	.18090	.05480
.899	17.170	.42550	.09750	.02950	-.21170	-.04520	.00790	.39980	.17480	.06950
	GRADIENT	.00101	-.00030	-.00030	-.01328	-.00177	.00015	.00105	-.00010	-.00021

RUN NO. 58/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.203	-4.370	.62400	.12830	-.06330	.04370	.00930	.00020	.58740	.24660	.05610
1.202	-2.210	.62820	.13000	-.06640	.02060	.00420	.00000	.59120	.24910	.05760
1.202	-.010	.63040	.13120	-.06990	-.00310	.00050	.00140	.59310	.25070	.05870
1.201	1.050	.62620	.13020	-.06740	-.01380	-.00160	.00070	.58920	.24880	.05860
1.201	2.170	.62520	.13010	-.06730	-.02490	-.00420	.00090	.58820	.24850	.05730
1.200	4.360	.61660	.12930	-.06610	-.04650	-.00940	.00070	.58030	.24590	.05630
1.201	6.470	.61370	.12920	-.06390	-.06820	-.01490	.00110	.57720	.24520	.05620
1.201	8.710	.61000	.12810	-.06140	-.08870	-.02200	.00110	.57390	.24320	.05590
1.203	9.780	.60660	.12750	-.06020	-.09610	-.02550	.00090	.57065	.24200	.05480
1.201	11.920	.59830	.12450	-.05610	-.12190	-.03360	-.00020	.56320	.23730	.05540
1.199	17.500	.57610	.12120	-.05170	-.20010	-.05340	-.00120	.54420	.22970	.05870
	GRADIENT	-.00076	.00010	-.00031	-.01036	-.00209	.00009	-.00079	-.00008	.00003

RUN NO. 57/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.501	-4.390	.52570	.12350	-.07030	.04770	.01190	-.00300	.49240	.22160	.04710
1.498	-2.410	.52480	.12470	-.07020	.02570	.00540	-.00190	.49130	.22260	.04830
1.500	-.240	.52430	.12540	-.07130	.00190	.00000	.00060	.49070	.22310	.04950
1.501	.910	.52280	.12510	-.07140	-.00880	-.00260	.00180	.48940	.22250	.04890
1.502	1.990	.52040	.12430	-.06980	-.02130	-.00530	.00250	.48710	.22120	.04780
1.502	4.200	.51640	.12220	-.06980	-.04270	-.01160	.00410	.48370	.21830	.04590
1.502	6.390	.51360	.12090	-.06630	-.06200	-.01940	.00420	.48310	.21660	.04530
1.502	8.630	.51260	.11910	-.06630	-.08650	-.02660	.00430	.48080	.21450	.04490
1.502	11.900	.51240	.11540	-.06890	-.13070	-.03610	.00380	.48110	.21070	.04500
1.503	17.610	.49580	.11320	-.06940	-.21610	-.05370	.00450	.46510	.20710	.05090
	GRADIENT	-.00102	-.00011	.00004	-.01035	-.00262	.00085	-.00096	-.00034	-.00012

ARC 66-709 OA59 OA11A-(M24 R5 V8)+STRUT (REV011) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 56/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.000	-4.000	.37710	.10640	-.04860	.03910	.01150	-.00210	.35080	.17460	.02690
2.000	-1.990	.37490	.10620	-.04810	.01630	.00550	-.00120	.34875	.17400	.02710
2.000	.090	.37450	.10640	-.04820	-.00270	-.00020	-.00020	.34820	.17410	.02710
2.000	1.270	.37420	.10660	-.04900	-.01510	-.00350	.00040	.34790	.17420	.02730
1.999	2.290	.37500	.10660	-.04890	-.02530	-.00630	.00100	.34870	.17430	.02730
2.000	4.510	.37580	.10570	-.04960	-.04820	-.01260	.00200	.34960	.17350	.02710
2.000	6.690	.37570	.10490	-.05210	-.07350	-.01800	.00230	.34970	.17280	.02690
2.000	9.010	.37770	.10430	-.05570	-.10230	-.02400	.00290	.35180	.17250	.02770
2.000	11.270	.37940	.10320	-.05710	-.13010	-.03030	.00340	.35370	.17170	.02760
2.000	12.410	.37880	.10280	-.05870	-.14530	-.03360	.00370	.35320	.17120	.02810
2.003	10.020	.35940	.10300	-.05890	-.23790	-.04640	.00460	.33410	.16760	.03090
	GRADIENT	-.00013	-.00004	-.00014	-.01006	-.00279	.00048	-.00013	-.00008	.00003

ARC 66-709 OA59 OA11A-(ES V8)+STRUT (RERO12) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9035 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
SCFLAP = -11.700

RUN NO. 94/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.601	-4.140	-.31630	.07230	.05610	.00100	-.00030	.00060	-.31220	.09520	.05240
.601	-2.080	-.21430	.07730	.05400	.00040	-.00020	.00050	-.21140	.08500	.05060
.602	.160	-.10570	.07800	.05280	-.00090	-.00030	.00070	-.10590	.07770	.05780
.600	2.240	-.00710	.07530	.05310	-.00190	-.00030	.00070	-.01000	.07490	.04630
.600	4.360	.09640	.06750	.05290	-.00160	-.00020	.00100	.09100	.07460	.04510
.601	6.530	.20300	.05680	.05090	-.00110	-.00030	.00080	.19730	.07970	.04320
.601	8.660	.31110	.04310	.05160	-.00030	-.00039	.00020	.30110	.08950	.04200
.601	10.870	.44100	.03080	.04660	.00170	-.00110	.00100	.42730	.11340	.04260
.602	12.980	.56300	.03730	.03480	.00000	-.00040	.00130	.54930	.16290	.04580
.601	15.160	.68020	.03630	.03130	.00070	-.00080	-.00010	.64690	.21310	.04870
	GRADIENT	.04862	-.00054	-.00034	-.00035	.00000	.00005	.04727	-.00241	-.00088

RUN NO. 93/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.700	-4.300	-.33900	.07710	.06410	.00270	-.00010	.00090	-.33230	.10230	.05370
.701	-2.160	-.22360	.07960	.06010	.00140	-.00010	.00090	-.22050	.08800	.05070
.700	.010	-.11670	.08050	.05870	.00050	-.00020	.00090	-.11670	.08050	.04840
.699	2.200	-.00920	.07700	.05840	.00020	-.00010	.00110	-.01220	.07650	.04720
.700	4.340	.09740	.07040	.05730	-.00110	-.00010	.00130	.09170	.07760	.04540
.701	6.510	.21410	.05930	.05380	-.00110	-.00010	.00070	.20660	.08320	.04230
.701	8.710	.33350	.04650	.05240	.00030	-.00050	.00080	.32270	.09640	.04090
.701	10.880	.46230	.04690	.04300	.00210	-.00110	.00110	.44510	.13330	.04340
.702	13.050	.57710	.04980	.03670	-.00030	-.00060	.00200	.55100	.17880	.04570
.700	15.250	.68740	.05000	.03670	.00140	-.00090	-.00130	.65010	.22900	.05050
	GRADIENT	.05024	-.00074	-.00071	-.00041	.00000	.00005	.04881	-.00281	-.00093

RUN NO. 92/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.748	-4.400	-.35000	.07960	.06930	.00400	.00000	.00100	-.34290	.10620	.05330
.752	-2.200	-.23200	.08290	.06560	.00270	-.00010	.00110	-.22860	.09180	.05100
.748	-.030	-.12050	.08290	.06220	.00220	.00000	.00140	-.12050	.08290	.04930
.751	2.170	-.01120	.08000	.06150	.00130	.00000	.00130	-.01420	.07950	.04730
.751	4.290	.10050	.07240	.05900	.00090	-.00010	.00150	.09480	.07980	.04410
.750	6.500	.22360	.06180	.05470	.00210	.00020	.00140	.21540	.08670	.04390
.752	8.770	.36020	.05320	.04750	.00290	.00020	.00200	.34780	.10750	.04140
.751	10.910	.46830	.03670	.04320	.00290	-.00040	.00190	.44910	.14430	.04340
.750	13.090	.58730	.03910	.03630	.00300	-.00020	.00240	.55860	.19060	.04660
.750	15.320	.70260	.06050	.03360	.00210	-.00090	-.00020	.66160	.24400	.05100
	GRADIENT	.05158	-.00079	-.00116	-.00033	-.00000	.00006	.05011	-.00350	-.00102

ARC 66-709 OA59 CA11A-(R5 V8)+STRUT (RERUN12) (25 APR 74)

REFERENCE DATA

SREF = .0093 SQ.FT. XMRP = 12.6250 IN.
LREF = .3933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
DOFLAP = -11.700

RUN NO. 91/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.530	-.37370	.08310	.07740	.00510	.00000	.00080	-.36600	.11230	.05520
.601	-2.290	-.24280	.06300	.07250	.00320	.00000	.00140	-.23920	.09460	.05130
.600	-.120	-.13350	.06530	.06620	.00250	-.00010	.00130	-.13330	.08580	.04870
.600	2.060	-.01180	.06070	.06660	.00170	-.00010	.00120	-.01470	.08020	.04600
.799	4.270	.10460	.07570	.06280	.00250	.00020	.00140	.09870	.08320	.04430
.801	6.480	.23480	.06740	.05430	.00270	.00040	.00180	.22570	.09350	.04300
.801	8.080	.33360	.06670	.04730	.00440	-.00020	.00190	.33950	.11930	.04230
.802	10.860	.46660	.06760	.04530	.00530	.00000	.00240	.44560	.13430	.04550
.831	13.030	.56330	.07270	.03580	.00310	-.00040	.00210	.55190	.20230	.04630
.801	15.300	.70980	.07430	.02850	.00390	-.00080	.00230	.66490	.25890	.05360
	GRADIENT	.05411	-.00087	-.00160	-.00032	.00001	.00005	.05257	-.00331	-.00123

RUN NO. 90/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.850	-4.600	-.38700	.09020	.09100	.00500	.00000	.00110	-.38850	.12170	.05720
.850	-2.370	-.26340	.08940	.08320	.00360	.00000	.00110	-.25950	.10030	.05290
.851	-.210	-.13810	.09050	.07750	.00120	-.00010	.00130	-.13780	.09100	.05090
.851	2.320	-.01750	.08600	.07290	.00240	.00000	.00140	-.02030	.08530	.04750
.851	4.230	.11230	.08180	.06540	.00200	.00030	.00120	.10600	.08990	.04490
.851	6.390	.23260	.08030	.05870	.00270	.00040	.00200	.22220	.10570	.04400
.849	8.650	.34830	.07990	.05330	.00390	-.00020	.00180	.33240	.13140	.04400
.849	10.850	.46640	.07940	.04610	.00430	-.00020	.00200	.44510	.16610	.04510
.848	13.010	.56240	.08740	.03290	.00490	-.00100	.00260	.54780	.21630	.04970
.848	15.200	.71530	.08740	.02580	.00260	-.00090	.00180	.66700	.27270	.05420
	GRADIENT	.05736	-.00092	-.00279	-.00033	.00003	.00002	.05570	-.00356	-.00136

RUN NO. 89/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.901	-4.690	-.41530	.09700	.10650	.00560	.00010	.00190	-.40600	.13060	.05800
.900	-2.440	-.26870	.10000	.09260	.00380	.00010	.00130	-.26420	.11140	.05550
.902	-.210	-.12420	.09830	.07710	.00280	.00010	.00150	-.12380	.09860	.05200
.902	2.040	.01020	.09920	.06590	.00230	.00030	.00200	.00670	.09950	.04920
.900	4.220	.13180	.09760	.05960	.00230	.00060	.00250	.12430	.10710	.04690
.901	6.430	.24710	.09370	.05370	.00310	-.00010	.00250	.23490	.12180	.04570
.900	8.630	.37780	.09120	.03900	.00390	-.00020	.00240	.35960	.14680	.04500
.900	10.880	.50210	.09380	.02250	.00480	-.00120	.00270	.47530	.18590	.04620
.900	13.010	.61730	.09690	.01120	.00600	-.00230	.00220	.57460	.23330	.04990
.901	15.300	.75260	.10000	-.00340	.00620	-.00190	.00190	.69960	.29300	.05610
	GRADIENT	.06159	.00002	-.00540	-.00038	.00005	.00017	.05972	-.00265	-.00110

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (REROUT) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 86/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.952	-4.670	-.39150	.11040	.10480	.00610	.00030	.00140	-.38120	.14190	.05980
.948	-2.440	-.23790	.11040	.07670	.00460	.00030	.00170	-.23300	.12040	.05500
.951	-.240	-.07370	.11560	.04490	.00360	.00020	.00160	-.07320	.11590	.05830
.950	2.080	.07500	.11090	.02770	.00280	.00000	.00180	.07090	.11360	.05250
.948	4.370	.21330	.10890	.01070	.00290	.00020	.00200	.20440	.12490	.05120
.951	6.580	.35170	.11280	-.00430	.00240	.00100	.00260	.33650	.15240	.05060
.950	8.700	.45670	.10810	-.00810	.00340	.00190	.00300	.43500	.17600	.05300
.951	10.930	.58710	.10810	-.02050	.00400	.00120	.00200	.55600	.21740	.05500
.951	13.130	.71450	.11420	-.03660	.00650	.00110	.00180	.66990	.27350	.06120
.952	15.390	.84530	.11500	-.04770	.00840	.00150	.00060	.78440	.33520	.06500
	GRADIENT	.06734	-.00012	-.01048	-.00036	-.00002	.00006	.06525	-.00178	-.00087

RUN NO. 87/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.201	-4.600	-.32670	.13210	.09360	.00230	.00040	.00220	-.31510	.15790	.05300
1.202	-2.350	-.17810	.13480	.05850	.00300	.00040	.00140	-.17240	.14200	.05220
1.202	-.130	-.03660	.13900	.02640	.00260	.00040	.00120	-.03620	.13910	.05400
1.202	2.070	.09960	.13970	-.00020	.00280	.00020	.00090	.09450	.14320	.05400
1.202	4.320	.23190	.14020	-.02480	.00330	.00020	.00120	.22060	.15730	.05590
1.202	6.670	.37150	.14000	-.04690	.00340	.00030	.00130	.35270	.18210	.05850
1.198	8.870	.49380	.13320	-.05630	.00230	.00020	.00140	.46730	.20780	.05810
1.198	11.080	.62090	.13130	-.06760	.00090	.00100	.00230	.58410	.24810	.06010
1.200	13.360	.75920	.13190	-.08430	.00040	.00080	.00310	.70820	.30370	.06300
1.201	15.570	.87470	.13310	-.09560	.00040	.00110	.00260	.80690	.36300	.06660
	GRADIENT	.06266	.00095	-.01328	.00008	-.00003	-.00009	.06012	-.00000	.00034

RUN NO. 88/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.499	-4.350	-.23110	.13210	.04010	.00260	.00110	.00140	-.22040	.14930	.03870
1.500	-2.050	-.11440	.13270	.01980	.00160	.00100	.00110	-.10960	.13670	.03940
1.501	.110	-.00570	.13280	.00000	.00280	.00100	.00100	-.00660	.13280	.04030
1.499	.500	.01420	.13290	-.00340	.00170	.00090	.00130	.01300	.13300	.04050
1.499	2.890	.11860	.13190	-.02120	.00170	.00080	.00090	.11230	.13730	.04190
1.498	4.930	.22690	.12920	-.03780	.00220	.00090	.00070	.21690	.14840	.04290
1.498	7.220	.34460	.12680	-.05210	.00220	.00090	-.00030	.32590	.16910	.04480
1.498	9.400	.44630	.12570	-.06310	.00170	.00080	.00040	.41980	.19690	.04740
1.497	11.600	.54950	.12550	-.07480	.00430	.00010	-.00060	.51310	.23330	.04970
1.498	13.970	.66680	.12320	-.08980	.00340	.00040	.00010	.61740	.28060	.05020
1.498	16.060	.76740	.11920	-.10030	.00170	.00070	.00110	.70450	.32690	.05010
	GRADIENT	.04949	-.00028	-.00845	-.00003	-.00003	-.00007	.04706	-.00006	.00047

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RCR012) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 85/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.997	-4.840	-.20910	.11610	.00400	.00610	.00140	.00000	-.19850	.13330	.02150
2.005	-2.700	-.13080	.11750	-.00240	.00470	.00130	.00000	-.12510	.12350	.02200
2.002	-.550	-.04670	.11700	-.01060	.00410	.00110	.00000	-.04560	.11740	.02290
1.999	1.690	.03620	.11540	-.02100	.00360	.00100	.00020	.03270	.11640	.02420
1.999	3.890	.12130	.11460	-.03080	.00320	.00100	.00020	.11330	.12260	.02520
1.996	6.040	.20250	.11250	-.03810	.00230	.00080	.00010	.18960	.13320	.02610
1.996	8.170	.28430	.11060	-.04360	.00230	.00080	.00030	.26590	.14990	.02660
1.999	10.360	.36480	.10840	-.04650	.00180	.00060	.00030	.33930	.17220	.02700
1.999	12.610	.43020	.10510	-.04830	.00230	.00040	.00040	.41640	.20090	.02750
1.999	14.880	.53600	.10140	-.05130	.00300	.00040	.00070	.49200	.23570	.02760
	GRADIENT	.03789	-.00024	-.00404	-.00032	-.00005	.00003	.03576	-.00129	.00044

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (REF013) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 19.000
BDFLAP = -11.700

RUN NO. 115/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-3.910	.00190	.10500	-.10110	.00090	.00030	.00190	.00910	.10460	.06500
.601	-1.790	.10000	.10770	-.10140	-.00040	.00020	.00210	.10330	.10450	.06280
.601	.370	.20270	.10730	-.10070	-.00090	.00010	.00200	.20200	.10870	.05950
.601	2.460	.29970	.10140	-.10080	-.00210	.00010	.00190	.29510	.11420	.05710
.601	4.590	.39620	.09090	-.09690	-.00190	.00000	.00230	.38970	.12250	.05340
.600	6.760	.51350	.08000	-.10110	-.00390	.00000	.00240	.50050	.13990	.05210
.599	8.940	.65520	.06830	-.11270	-.00300	-.00010	.00220	.63670	.16930	.05200
.600	11.190	.80230	.06010	-.12480	-.00170	-.00020	.00240	.77540	.21470	.05260
.601	13.370	.88970	.06810	-.11940	-.00200	-.00030	.00190	.84980	.27190	.05550
.601	15.590	.97480	.07440	-.11210	-.00320	-.00030	.00220	.91890	.33370	.05920
	GRADIENT	.04670	-.00162	.00042	-.00034	-.00003	.00003	.04485	.00214	-.00136

RUN NO. 114/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.698	-4.040	-.03940	.10780	-.09280	.00000	.00030	.00190	-.03170	.11040	.06650
.698	-1.910	.07960	.11140	-.09220	.00040	.00020	.00220	.08320	.10870	.06250
.699	.290	.18660	.11090	-.09630	-.00120	.00010	.00250	.18610	.11180	.05990
.700	2.410	.29200	.10540	-.09990	-.00220	.00020	.00230	.28730	.11760	.05720
.701	4.620	.40720	.09640	-.09940	-.00180	.00000	.00240	.39810	.12890	.05290
.699	6.800	.53150	.08430	-.10760	-.00250	.00000	.00260	.51780	.14660	.05270
.701	9.050	.66620	.07630	-.12450	-.00320	.00000	.00240	.66560	.18340	.05200
.700	11.190	.75900	.08420	-.11560	-.00140	.00000	.00230	.72830	.22950	.05350
.700	13.420	.88020	.08490	-.11760	-.00340	-.00020	.00340	.83640	.28690	.05630
.697	15.610	.97560	.08690	-.10800	-.00090	-.00070	-.00100	.91620	.34630	.06140
	GRADIENT	.05109	-.00133	-.00092	-.00029	-.00003	.00005	.04915	.00212	-.00150

RUN NO. 113/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.250	-.10110	.11440	-.07070	.00060	.00040	.00220	-.09230	.12160	.06680
.601	-2.020	.03520	.11680	-.07820	-.00010	.00020	.00210	.03930	.11550	.06290
.601	.150	.15940	.11760	-.08550	-.00050	.00010	.00280	.15910	.11800	.06030
.601	2.370	.27940	.11300	-.09520	-.00130	.00010	.00290	.27450	.12440	.05780
.600	4.570	.41430	.10530	-.10460	-.00190	.00010	.00300	.40460	.13800	.05430
.601	6.770	.55860	.10090	-.11920	-.00380	.00030	.00380	.54080	.16580	.05320
.600	8.990	.63460	.10360	-.11210	-.00230	-.00010	.00320	.61060	.20150	.05330
.600	11.090	.74750	.10350	-.11510	-.00280	.00000	.00350	.71360	.24540	.05500
.601	13.260	.85690	.11290	-.12300	-.00280	-.00020	.00520	.80820	.30650	.05980
.600	15.540	.99520	.11230	-.12690	-.00200	-.00030	.00260	.92870	.37490	.06350
	GRADIENT	.05788	-.00100	-.00385	-.00028	-.00003	.00011	.05579	.00189	-.00137

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER013) (25 APR 74)

REFERENCE DATA

SREF = .8033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.790

RUN NO. 112/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.430	-.16000	.12770	-.04790	.00030	.00110	.00170	-.14960	.13970	.06710
.903	-2.210	-.00990	.13090	-.06910	-.00020	.00060	.00220	-.00480	.13120	.06650
.902	.000	.13440	.13510	-.08710	-.00030	.00060	.00220	.13440	.13510	.06410
.901	2.280	.27860	.13490	-.10230	-.00070	.00040	.00260	.27300	.14590	.06220
.902	4.470	.42240	.13590	-.12120	-.00350	.00080	.00300	.41050	.16840	.05990
.901	6.720	.55230	.12870	-.13100	-.00290	.00090	.00310	.53340	.19240	.05690
.899	8.920	.67360	.12610	-.13900	-.00420	.00060	.00360	.64560	.23090	.05700
.902	11.100	.77200	.13200	-.14040	-.00280	.00020	.00340	.73210	.27820	.06010
.901	13.340	.86010	.13830	-.15010	-.00150	-.00030	.00210	.82440	.33760	.06240
.900	15.530	1.00900	.14150	-.15840	-.00300	-.00010	.00180	.93460	.40660	.06660
	GRADIENT	.06520	.00091	-.00806	-.00076	-.00004	.00013	.06272	.00323	-.00084

RUN NO. 111/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.198	-4.550	-.17230	.15970	-.02280	.00000	.00130	.00130	-.15910	.17290	.06220
1.202	-2.310	-.03010	.16150	-.05690	.00140	.00080	.00110	-.02350	.16260	.06080
1.202	-.110	.11210	.16540	-.08800	.00200	.00060	.00130	.11240	.16520	.06060
1.199	2.290	.25720	.16640	-.11830	.00030	.00070	.00150	.25030	.17650	.05950
1.198	4.520	.39650	.16930	-.14530	-.00130	.00030	.00150	.38190	.20000	.06230
1.202	6.730	.53110	.17130	-.16700	-.00200	.00050	.00140	.50740	.23240	.06420
1.199	9.090	.67220	.16840	-.18430	-.00120	.00040	.00170	.63710	.27240	.06500
1.200	11.310	.80660	.16960	-.19900	-.00160	.00040	.00150	.75770	.32460	.06780
1.200	13.580	.94070	.17220	-.20960	-.00180	.00040	.00220	.87400	.38830	.07050
1.199	15.850	1.09500	.17180	-.21080	-.00220	.00080	.00180	.96750	.45330	.07110
	GRADIENT	.06265	.00106	-.01347	-.00017	-.00009	.00004	.05961	.00301	-.00005

RUN NO. 110/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.330	-.13060	.15080	-.03450	.00160	.00160	.00150	-.11880	.16020	.04480
1.500	-2.140	-.02320	.15190	-.05480	.00180	.00120	.00110	-.01750	.15260	.04450
1.500	.110	.08630	.15200	-.07370	.00110	.00120	.00120	.08600	.15210	.04400
1.498	2.270	.19200	.15160	-.09030	.00110	.00120	.00090	.18590	.15910	.04440
1.499	4.580	.30330	.15080	-.10790	.00060	.00130	.00080	.29030	.17450	.04500
1.498	6.710	.40930	.14990	-.12340	.00040	.00090	.00070	.38890	.19670	.04650
1.502	8.970	.51930	.15090	-.13880	-.00010	.00070	.00080	.48940	.23000	.04920
1.501	11.230	.62980	.15340	-.15370	-.00070	.00060	.00060	.58790	.27310	.05160
1.500	13.460	.73540	.15400	-.16820	.00010	.00070	.00100	.67930	.32090	.05370
1.501	15.750	.84830	.15270	-.18240	-.00110	.00040	.00120	.77500	.37720	.05460
	GRADIENT	.04872	-.00001	-.00820	-.00012	-.00004	-.00007	.04595	.00159	.00001

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER013) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BCFLAP = -11.700

RUN NO. 109/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.001	-4.880	-.14780	.12650	-.03940	.00620	.00210	.00010	-.13660	.13860	.02320
2.001	-2.650	-.06480	.12710	-.04850	.00350	.00160	.00010	-.05890	.12990	.02330
2.001	-.540	.01560	.12700	-.05650	.00320	.00140	.00020	.01670	.12690	.02320
2.001	1.600	.09490	.12780	-.06560	.00370	.00150	.00030	.09130	.13040	.02400
2.001	3.910	.17900	.12750	-.07560	.00270	.00130	.00040	.16990	.13940	.02460
1.998	6.010	.25730	.12730	-.08310	.00260	.00110	.00030	.24260	.15360	.02540
2.001	8.140	.33140	.12630	-.08890	.00220	.00110	.00060	.31020	.17190	.02620
2.003	10.360	.41850	.12670	-.09380	.00230	.00080	.00060	.38890	.19990	.02710
2.001	12.480	.49950	.12510	-.09790	.00180	.00070	.00080	.46070	.23010	.02730
2.001	14.670	.58790	.12330	-.10400	.00160	.00060	.00100	.53750	.26020	.02760
	GRADIENT	.03732	.00012	-.00411	-.00031	-.00008	.00004	.03502	.00011	.00016

ARC 66-709 OA59 OA11A-(R= V8)+STRUT (RER014) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 101/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.602	-3.970	-.22020	.06670	-.00320	.00470	-.00040	.00140	-.21500	.08180	.04720
.600	-1.880	-.11850	.07050	-.00550	.00510	-.00020	.00140	-.11610	.07440	.04590
.601	.270	-.01080	.07160	-.00540	.00350	-.00040	.00170	-.01120	.07160	.04400
.599	2.360	.08770	.06750	-.00690	.00580	-.00040	.00180	.08490	.07110	.04220
.598	4.480	.19440	.05930	-.00990	.00520	-.00060	.00170	.18920	.07430	.04090
.599	6.630	.30510	.04960	-.01200	.00540	-.00040	.00160	.29730	.08450	.04150
.600	8.720	.40950	.03820	-.01200	.00400	-.00050	.00110	.39890	.09990	.04120
.599	10.880	.53910	.02700	-.01890	.00610	-.00100	.00210	.52430	.12830	.04260
.600	13.040	.66190	.03640	-.03000	.00550	-.00070	.00210	.63660	.16480	.04560
.599	15.200	.77870	.03830	-.03330	.00430	-.00100	.00020	.74140	.24120	.05060
	GRADIENT	.04898	-.00084	-.00079	.00008	-.00003	.00005	.04775	-.00087	-.00077

RUN NO. 100/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.698	-3.710	-.22000	.07000	.00140	.00510	-.00020	.00140	-.21590	.08410	.04830
.701	-1.630	-.11000	.07350	-.00180	.00270	-.00040	.00150	-.10790	.07660	.04680
.702	.530	-.00560	.07320	-.00280	.00440	-.00010	.00160	-.00630	.07320	.04630
.701	2.690	.10440	.06790	-.00580	.00490	-.00050	.00190	.10110	.07280	.04230
.698	4.900	.21640	.06010	-.00890	.00360	-.00060	.00160	.21050	.07830	.04060
.698	7.030	.33270	.05030	-.01280	.00420	-.00030	.00140	.32400	.09070	.04090
.699	9.240	.46260	.03940	-.01770	.00520	-.00040	.00140	.45020	.11310	.04180
.699	11.400	.58300	.04440	-.02660	.00470	-.00040	.00210	.56280	.15880	.04410
.700	13.570	.70520	.04820	-.03240	.00450	-.00070	.00250	.67420	.21230	.04790
.699	15.760	.81000	.05320	-.03220	.00530	-.00090	-.00100	.76510	.27120	.05400
	GRADIENT	.05047	-.00119	-.00114	-.00004	-.00004	.00004	.04921	-.00070	-.00092

RUN NO. 99/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.801	-3.900	-.24810	.07560	.00830	.00500	-.00040	.00110	-.24230	.09230	.05130
.801	-1.750	-.12960	.07780	.00420	.00440	-.00020	.00140	-.12720	.08170	.05670
.801	.440	-.01280	.07740	.00210	.00270	-.00040	.00140	-.01340	.07730	.04640
.801	2.660	.10130	.07140	-.00190	.00400	-.00050	.00160	.09790	.07610	.04500
.801	4.850	.22610	.06560	-.00750	.00390	-.00040	.00140	.21980	.08440	.04300
.801	7.030	.35790	.05930	-.01840	.00330	-.00020	.00220	.34790	.10270	.04160
.798	9.190	.47290	.06080	-.02400	.00360	-.00050	.00220	.45710	.13550	.04330
.798	11.410	.58710	.06300	-.03000	.00370	-.00050	.00290	.56300	.17790	.04610
.799	13.620	.71440	.07140	-.04350	.00350	-.00100	.00330	.67750	.23750	.05180
.799	15.790	.84070	.07490	-.05960	.00430	-.00120	.00210	.78860	.30080	.05710
	GRADIENT	.05382	-.00121	-.00172	-.00012	-.00001	.00004	.05245	-.00097	-.00129

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER014) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 58/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.903	-4.580	-.32730	.08700	.03120	.00420	-.00010	.00080	-.31950	.11290	.05630
.900	-2.290	-.18570	.09060	.02090	.00340	-.00030	.00120	-.18190	.09820	.05520
.901	.040	-.03620	.09040	.00710	.00320	-.00030	.00120	-.03630	.09040	.05150
.902	.370	-.01150	.09390	.00260	.00360	-.00020	.00170	-.01210	.09390	.05350
.898	2.470	.10730	.08860	-.00460	.00360	-.00040	.00200	.10340	.09310	.05070
.899	4.760	.23020	.08650	-.00930	.00250	-.00040	.00250	.22220	.10530	.04770
.900	6.950	.34880	.08460	-.01690	.00190	-.00110	.00270	.33600	.12620	.04570
.898	9.110	.46220	.08460	-.02580	.00300	-.00070	.00090	.44290	.15680	.04610
.900	11.320	.59560	.08980	-.04490	.00450	-.00160	.00320	.56630	.20490	.04950
.897	13.550	.71390	.09100	-.05790	.00670	-.00240	.00250	.67270	.25580	.05310
.899	15.810	.87630	.09950	-.08280	.00320	-.00150	.00110	.81610	.33440	.06090
	GRADIENT	.06014	-.00012	-.00457	-.00013	-.00003	.00018	.05845	-.00088	-.00092

RUN NO. 97/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.202	-4.630	-.28680	.13110	.05200	.00380	.00020	.00150	-.27530	.15380	.05270
1.200	-2.420	-.14370	.13390	.01970	.00140	.00020	.00170	-.13800	.13980	.05160
1.200	-.170	.00630	.13770	-.01760	.00240	-.00010	.00140	.00670	.13760	.05330
1.202	2.110	.14260	.14050	-.04790	.00350	.00010	.00120	.13740	.14570	.05440
1.201	4.340	.28370	.14320	-.07480	.00230	-.00010	.00130	.27210	.16430	.05660
1.200	6.570	.41730	.14340	-.09670	.00290	.00020	.00150	.39820	.19020	.05870
1.199	8.860	.54330	.13990	-.10950	.00230	-.00010	.00150	.51530	.22190	.06000
1.199	11.090	.67090	.13880	-.12190	-.00050	.00100	.00270	.63170	.26520	.06170
1.203	13.350	.80380	.14030	-.13900	-.00300	.00140	.00390	.74970	.32210	.06490
1.198	15.600	.93080	.13840	-.14970	-.00160	.00120	.00250	.85930	.38370	.06630
	GRADIENT	.06352	.00137	-.01429	-.00004	-.00003	-.00004	.06098	.00120	.00047

RUN NO. 96/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.350	-.19920	.13450	.00940	.00550	.00100	.00140	-.18840	.14920	.03950
1.501	-2.190	-.08810	.13540	-.01170	.00380	.00100	.00130	-.08280	.13870	.03990
1.500	.050	.02540	.13430	-.03380	.00350	.00100	.00120	.02530	.13430	.04030
1.500	2.230	.13260	.13430	-.05300	.00290	.00090	.00090	.12730	.13930	.04110
1.499	4.460	.24380	.13330	-.07250	.00230	.00070	.00100	.23260	.15180	.04250
1.500	6.710	.35530	.13190	-.08910	.00230	.00070	.00040	.33750	.17250	.04400
1.498	8.900	.45910	.13070	-.10280	.00250	.00040	.00060	.43330	.20020	.04550
1.497	11.120	.58850	.13080	-.11780	.00290	.00010	.00040	.55260	.23790	.04750
1.502	13.330	.68800	.12980	-.13110	.00450	-.00040	-.00040	.62010	.28010	.04870
1.498	15.570	.79220	.12730	-.14890	.00210	.00020	.00120	.72890	.33530	.04870
	GRADIENT	.05021	-.00016	-.00931	-.00033	-.00003	-.00005	.04774	.05027	.00033

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER014) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.300

RUN NO. 95/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
2.000	-4.780	-.18750	.11950	-.01550	.00560	.00110	.00000	-.17690	.13470	.02230
2.003	-2.680	-.10720	.12010	-.02510	.00450	.00100	.00000	-.10140	.12500	.02260
2.000	-.540	-.02230	.11900	-.03380	.00390	.00090	.00000	-.02120	.11920	.02290
2.000	1.620	.05990	.11800	-.04460	.00380	.00080	.00010	.05660	.11980	.02330
1.997	3.840	.14540	.11670	-.05510	.00370	.00070	.00020	.13730	.12610	.02400
1.997	5.970	.22550	.11550	-.06530	.00360	.00070	.00020	.21230	.13830	.02470
1.997	8.150	.30680	.11430	-.07130	.00360	.00050	.00030	.28750	.15660	.02540
2.003	10.330	.38840	.11200	-.07630	.00390	.00050	.00040	.36200	.17960	.02570
1.997	12.510	.47410	.10990	-.08140	.00310	.00010	.00050	.43900	.21000	.02610
1.997	14.740	.56320	.10730	-.08700	.00440	.00010	.00070	.51740	.24710	.02670
	GRADIENT	.03837	-.00036	-.00468	-.00021	-.00005	.00002	.03651	-.00103	.00019

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RERD15) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000

RUN NO. 106/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.599	-4.170	-.28840	.06430	.03560	.00040	-.00100	.00050	-.28290	.08510	.04710
.598	-2.050	-.16250	.06990	.03290	-.00060	-.00090	.00090	-.17990	.07640	.04580
.601	.100	-.07970	.07050	.03190	-.00170	-.00090	.00090	-.07990	.07050	.04540
.599	2.240	.02410	.06660	.03210	-.00260	-.00080	.00100	.02140	.06950	.04360
.600	4.400	.13190	.06110	.03070	-.00320	-.00090	.00100	.12680	.07110	.04170
.600	6.620	.24040	.04910	.02890	-.00230	-.00100	.00080	.23310	.07640	.04100
.600	8.690	.34560	.03740	.02800	-.00090	-.00090	.00020	.33600	.08910	.04110
.600	10.840	.47360	.02660	.02340	.00010	-.00160	.00160	.46020	.11520	.04220
.600	13.000	.60040	.03360	.01300	-.00020	-.00100	.00150	.57750	.16780	.04550
.600	15.170	.71500	.03290	.00920	-.00110	-.00130	-.00020	.68150	.21860	.04690
	GRADIENT	.04887	-.00056	-.00049	-.00043	.00001	.00005	.04763	-.00163	-.00061

RUN NO. 107/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.700	-4.280	-.30980	.06840	.04430	.00110	-.00090	.00070	-.30390	.09140	.05050
.700	-2.130	-.19480	.07130	.03900	-.00030	-.00080	.00080	-.19200	.07850	.04720
.702	.080	-.08510	.07270	.03800	-.00110	-.00080	.00040	-.08520	.07260	.04630
.701	2.170	.01780	.06910	.03710	-.00260	-.00090	.00080	.01520	.06970	.04410
.700	4.360	.12650	.06180	.03490	-.00320	-.00090	.00100	.12140	.07120	.04230
.700	6.510	.24040	.05080	.03150	-.00260	-.00090	.00090	.23310	.07780	.04030
.699	8.730	.36400	.04020	.02920	-.00250	-.00090	.00060	.35370	.09500	.04090
.702	10.920	.49470	.03990	.01960	-.00030	-.00150	.00090	.47810	.13290	.04240
.699	13.050	.60830	.04360	.01280	-.00290	-.00110	.00220	.58270	.18000	.04650
.699	15.260	.71980	.04480	.01380	-.00100	-.00160	-.00110	.68260	.23270	.05040
	GRADIENT	.05029	-.00071	-.00096	-.00050	-.00000	.00003	.04902	-.00228	-.00090

RUN NO. 106/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.799	-4.470	-.34110	.07220	.05470	.00130	-.00080	.00050	-.33440	.09860	.05080
.801	-2.260	-.21880	.07430	.05030	.00090	-.00070	.00050	-.21570	.08280	.04760
.800	-.120	-.10130	.07500	.04640	-.00080	-.00080	.00090	-.10120	.07520	.04540
.801	2.140	.01420	.07170	.04560	-.00170	-.00070	.00070	.01130	.07220	.04520
.800	4.290	.13050	.06460	.04040	-.00260	-.00070	.00090	.12530	.07410	.04090
.799	6.470	.26120	.05840	.03170	-.00170	-.00070	.00110	.25300	.08750	.04120
.799	8.680	.37750	.05690	.02530	-.00120	-.00110	.00120	.36450	.11520	.04160
.798	10.860	.49100	.05850	.02260	-.00140	-.00090	.00200	.47120	.14990	.04370
.801	13.030	.60930	.06490	.01020	-.00030	-.00130	.00230	.57900	.20050	.04730
.799	15.260	.73420	.06670	.00480	-.00090	-.00150	.00120	.69080	.25760	.05250
	GRADIENT	.05366	-.00081	-.00152	-.00047	.00001	.00005	.05230	-.00272	-.00101

ARC 66 759 OA59 OA11A-(R5 V8)+STRUT (REV015) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000

RUN NO. 105/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.899	-4.710	-.39080	.08500	.08080	.00150	-.00070	.00010	-.38250	.11680	.05250
.900	-2.390	-.24370	.08560	.06840	.00060	-.00080	.00070	-.23990	.09570	.05010
.899	-.210	-.10360	.08800	.05560	-.00050	-.00080	.00100	-.10330	.06840	.04670
.899	2.040	.03250	.08700	.04210	-.00190	-.00070	.00140	.02940	.08810	.04730
.901	4.280	.15710	.08550	.03470	-.00090	-.00040	.00190	.15030	.09690	.04490
.902	6.390	.26760	.08520	.03220	-.00030	-.00090	.00210	.25640	.11440	.04340
.898	8.640	.38740	.08100	.02380	-.00050	-.00100	.00150	.37090	.13830	.04170
.899	10.860	.50680	.08360	.01070	.00060	-.00150	.00230	.48200	.17750	.04530
.902	13.000	.63260	.08770	-.00940	.00100	-.00250	.00060	.59660	.22780	.04960
.899	15.280	.76810	.09000	-.02170	.00110	-.00230	.00110	.71730	.28920	.05350
	GRADIENT	.06134	.00011	-.00530	-.00033	.00003	.00019	.05968	-.00213	-.00080

RUN NO. 104/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.199	-4.670	-.32160	.12480	.08400	.00060	.00030	.00130	-.31040	.15060	.04910
1.200	-2.420	-.17110	.12770	.04870	-.00040	.00020	.00110	-.16560	.13480	.04940
1.203	-.210	-.02730	.13240	.01480	-.00070	.00010	.00090	-.02690	.13250	.05130
1.202	2.040	.10950	.13320	-.01410	-.00030	.00000	.00095	.10470	.13700	.05240
1.204	4.280	.24090	.13550	-.03620	-.00060	.00000	.00080	.23010	.15310	.05470
1.202	6.520	.37280	.13390	-.05980	-.00150	.00000	.00090	.35510	.17540	.05690
1.201	8.780	.49810	.13040	-.07130	-.00120	-.00010	.00090	.47230	.20490	.05870
1.198	11.020	.62870	.12720	-.08220	-.00240	.00080	.00190	.59080	.24480	.05950
1.204	13.290	.76090	.12910	-.10070	-.00100	.00020	.00200	.71090	.30060	.06360
1.200	15.500	.88060	.12650	-.10840	-.00380	.00080	.00220	.81470	.35730	.06330
	GRADIENT	.06286	.00120	-.01374	-.00010	-.00004	-.00005	.06043	.00032	.00063

RUN NO. 103/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.501	-4.470	-.22750	.12850	.03320	.00100	.00110	.00120	-.21680	.14580	.03670
1.500	-2.240	-.11550	.12860	.01200	.00000	.00100	.00100	-.11040	.13320	.03810
1.500	.030	.00060	.12900	-.00850	.00050	.00100	.00080	.00050	.12900	.03930
1.498	2.180	.10370	.12850	-.02710	.00130	.00080	.00070	.09870	.13240	.04050
1.498	4.420	.21270	.12670	-.04410	.00090	.00060	.00060	.20230	.14270	.04160
1.498	6.600	.32180	.12430	-.05910	.00010	.00060	.00020	.30540	.16050	.04320
1.498	8.830	.42250	.12260	-.07020	-.00030	.00030	.00030	.39860	.18620	.04550
1.498	11.040	.52420	.12290	-.08160	-.00020	.00030	.00030	.49090	.22100	.04820
1.498	13.290	.63320	.12120	-.09630	.00070	-.00010	-.00040	.58840	.26350	.04880
1.497	15.510	.74510	.11750	-.10990	-.00050	.00040	.00070	.68650	.31250	.04900
	GRADIENT	.04954	-.00018	-.00873	-.00003	-.00005	-.00007	.04718	-.00032	.00055

ARC 66-709 0A59 0A11A-(R5 V8)+STRUT (RER019) (25 APR 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0050 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000

RUN NO. 102/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.003	-4.890	-.20280	.11610	-.00150	.00440	.00140	-.00010	-.19210	.13300	.02090
2.006	-2.690	-.12190	.11640	-.00910	.00230	.00100	-.00020	-.11630	.12200	.02140
2.001	-.590	-.03970	.11510	-.01750	.00170	.00090	.00010	-.03650	.11550	.02240
2.001	1.580	.04220	.11390	-.02760	.00210	.00070	.00010	.03910	.11500	.02330
2.001	3.760	.12480	.11260	-.03760	.00130	.00060	.00020	.11720	.12030	.02400
2.001	5.940	.20610	.11070	-.04560	.00110	.00060	.00010	.19350	.13140	.02440
2.001	8.070	.28370	.10880	-.05070	.00210	.00060	.00020	.26570	.14750	.02490
1.999	10.270	.36410	.10600	-.05410	.00080	.00040	.00020	.33940	.16920	.02570
1.999	12.440	.44500	.10320	-.05730	.00070	.00040	.00050	.41230	.19660	.02630
1.999	14.700	.53600	.10000	-.06020	.00070	.00030	.00060	.49310	.23270	.02710
	GRADIENT	.03798	-.00044	-.00421	-.00030	-.00009	.00004	.03588	-.00148	.00038

ARC 66-709 OA59 OA11A-(83 V8)+STRUT (REV016) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 76/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-15.070	-.10480	.07200	.03170	.13510	.02930	-.02540	-.10460	.07220	.06400
.599	-9.770	-.10710	.07500	.04240	.09800	.01630	-.01510	-.10700	.07520	.05550
.600	-6.670	-.10740	.07570	.04800	.06600	.01190	-.00930	-.10730	.07590	.05280
.600	-4.500	-.10650	.07690	.05080	.04430	.00800	-.00520	-.10640	.07710	.05270
.600	-2.390	-.10610	.07710	.05340	.02230	.00390	-.00170	-.10600	.07720	.05130
.598	-.300	-.10650	.07770	.05550	.00160	.00030	.00180	-.10640	.07790	.04950
.598	.710	-.10530	.07770	.05600	-.00670	-.00100	.00340	-.10520	.07780	.04960
.598	1.770	-.10320	.07650	.05610	-.01690	-.00300	.00500	-.10310	.07670	.05010
.598	3.910	-.10230	.07640	.05460	-.03800	-.00680	.00850	-.10220	.07650	.05160
.599	5.930	-.09940	.07260	.05280	-.05640	-.01010	.01220	-.09930	.07270	.05010
	GRADIENT	.00082	-.00006	.00052	-.00971	-.00173	.00163	.00082	-.00007	-.00019

RUN NO. 77/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.698	-15.050	-.11760	.07460	.03800	.18100	.02890	-.02550	-.11740	.07490	.06550
.703	-9.740	-.11510	.07740	.05030	.10100	.01740	-.01560	-.11500	.07760	.05610
.702	-6.620	-.11490	.07830	.05410	.06890	.01150	-.00950	-.11470	.07850	.05370
.702	-4.510	-.11630	.07820	.05650	.04630	.00770	-.00560	-.11610	.07840	.05260
.702	-2.340	-.11610	.08060	.05910	.02310	.00380	-.00190	-.11600	.08080	.05220
.701	-.260	-.11390	.07620	.06060	.00080	.00010	.00160	-.11380	.07850	.04970
.702	.850	-.11430	.07910	.06060	-.00800	-.00130	.00350	-.11410	.07930	.04890
.701	1.850	-.11460	.07930	.06160	-.01890	-.00310	.00500	-.11440	.07970	.04970
.701	3.900	-.10910	.07660	.06050	-.03910	-.00640	.00840	-.10890	.07880	.05050
.701	6.010	-.10810	.07530	.05900	-.06060	-.00980	.01240	-.10790	.07550	.05090
	GRADIENT	.00073	-.00001	.00048	-.01011	-.00167	.00166	.00074	-.00001	-.00035

RUN NO. 78/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.799	-15.910	-.13530	.08550	.04590	.17690	.02820	-.02650	-.13500	.08590	.07230
.801	-10.136	-.12870	.08350	.05600	.11300	.01720	-.01660	-.12850	.08380	.05840
.798	-6.890	-.12420	.08330	.06370	.07620	.01110	-.01040	-.12405	.08360	.05430
.802	-4.670	-.12430	.08300	.06600	.05450	.00760	-.00630	-.12410	.08330	.05260
.801	-2.650	-.12270	.06490	.06930	.02960	.00400	-.00240	-.12250	.08320	.05150
.799	-.430	-.12230	.08380	.07000	.00440	.00040	.00130	-.12210	.08410	.05050
.800	.660	-.12270	.08410	.07070	-.00980	-.00090	.00330	-.12260	.08440	.05090
.803	.900	-.12360	.08420	.07090	-.00940	-.00120	.00360	-.12340	.08450	.05140
.799	1.880	-.12120	.08270	.06880	-.01820	-.00250	.00320	-.12100	.08300	.04910
.797	3.930	-.11610	.08140	.06830	-.04130	-.00590	.00860	-.11590	.08160	.04960
.802	6.120	-.11660	.08230	.06800	-.06200	-.00870	.01290	-.11650	.08260	.05470
	GRADIENT	.00071	-.00020	.00026	-.01078	-.00151	.00169	.00071	-.00021	-.00035

AEC 66-709 0459 0411A-(R5 V8)+STRUT (REB016) (25 APR 74 .

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
DEFLAP = -11.700

RUN NO. 73/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.901	-15.420	-.15230	.10910	.05100	.20300	.02350	-.03300	-.13200	.10960	.07930
.899	-10.070	-.12610	.10550	.06280	.13330	.01320	-.02060	-.12590	.10580	.06340
.899	-6.870	-.11750	.10170	.06830	.09140	.00850	-.01330	-.11730	.10190	.05770
.899	-4.740	-.11280	.10110	.07190	.06240	.00590	-.00800	-.11230	.10130	.05630
.904	-2.540	-.10290	.10400	.07290	.03560	.00310	-.00310	-.10270	.10420	.05470
.901	-.380	-.10200	.10400	.07480	.00660	.00070	.00170	-.10180	.10420	.05430
.899	.680	-.10590	.10220	.07580	-.00560	-.00030	.00380	-.10580	.10240	.05380
.903	.920	-.10000	.10240	.07420	-.00830	-.00080	.00400	-.09980	.10260	.05420
.900	1.700	-.10410	.09970	.07640	-.01560	-.00120	.00570	-.10390	.09990	.05110
.900	3.630	-.10290	.09980	.07530	-.04350	-.00350	.01040	-.10270	.10000	.05200
.901	5.960	-.09750	.10550	.06970	-.07130	-.00500	.01570	-.09740	.10550	.05700
	GRADIENT	.00093	-.00028	.00046	-.01234	-.00109	.00213	.00092	-.00028	-.00033

RUN NO. 74/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.200	-15.730	-.07670	.13490	.02880	.16690	.04720	-.01690	-.07640	.13510	.06280
1.201	-10.080	-.04790	.13720	.02900	.09920	.02750	-.00860	-.04780	.13720	.05840
1.199	-6.830	-.03570	.13770	.02600	.06630	.01770	-.00520	-.03560	.13770	.05520
1.201	-4.650	-.03030	.13790	.02680	.04810	.01180	-.00290	-.03020	.13800	.05400
1.203	-2.550	-.02560	.13750	.02540	.02920	.00660	-.00060	-.02550	.13750	.05340
1.199	-.310	-.02230	.13610	.02560	.00430	.00160	.00210	-.02230	.13610	.05000
1.201	.730	-.02190	.13560	.02620	-.00410	-.00020	.00330	-.02180	.13580	.04960
1.203	1.820	-.02280	.13660	.02680	-.01630	-.00280	.00440	-.02270	.13660	.05090
1.201	3.990	-.02280	.13620	.02650	-.03800	-.00730	.00700	-.02280	.13620	.05230
1.202	6.260	-.02410	.13740	.02990	-.05890	-.01240	.00960	-.02410	.13740	.05320
	GRADIENT	.00066	-.00004	.00021	-.01004	-.00220	.00115	.00085	-.00009	-.00032

RUN NO. 73/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.499	-16.140	-.07110	.12800	-.00390	.20290	.04760	-.02450	-.07580	.12820	.04550
1.500	-10.400	-.04100	.13220	-.00010	.11550	.02920	-.01470	-.04080	.13220	.04550
1.499	-7.130	-.03290	.13350	.00290	.07480	.01880	-.00940	-.03270	.13350	.04350
1.500	-4.880	-.02590	.13420	.00440	.05170	.01240	-.00590	-.02580	.13420	.04180
1.500	-2.690	-.02480	.13390	.00470	.02990	.00670	-.00300	-.02450	.13390	.04110
1.500	-.470	-.02220	.13270	.00540	.00650	.00120	.00020	-.02210	.13270	.04060
1.500	.460	-.02170	.13240	.00570	-.00200	-.00080	.00140	-.02160	.13250	.03960
1.500	1.690	-.01990	.13260	.00620	-.01420	-.00360	.00320	-.01980	.13260	.03990
1.500	3.850	-.02030	.13380	.00570	-.03520	-.00880	.00620	-.02040	.13380	.04060
1.502	5.980	-.02060	.13270	.00550	-.05630	-.01430	.00940	-.02050	.13280	.04040
	GRADIENT	.00072	-.00010	.00019	-.01009	-.00242	.00139	.00072	-.00010	-.00018

AEC 66-7C9 0A59 0A11A-(R5 Y0)+STRUT (REB016) (25 APR 74

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BCFLAP = -11.700

RUN NO. 72/ 0 RN/L = 2.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
1.997	-15.190	-.06200	.11830	-.02950	.19750	.04160	-.01940	-.06170	.11840	.02320
2.002	-9.510	-.03660	.11920	-.02360	.10970	.02650	-.01210	-.03660	.11920	.02310
1.998	-6.190	-.02610	.11810	-.01900	.06610	.01730	-.00760	-.02590	.11810	.02440
1.998	-3.980	-.02620	.11810	-.01700	.04090	.01110	-.00450	-.02610	.11810	.02400
2.001	-1.720	-.02410	.11820	-.01430	.01700	.00330	-.00170	-.02400	.11820	.02310
2.001	.490	-.02140	.11800	-.01340	-.00420	-.00010	.00100	-.02120	.11800	.02290
2.000	1.100	-.02060	.11760	-.01340	-.00930	-.00140	.00200	-.02070	.11760	.02290
2.001	1.540	-.02290	.11810	-.01420	-.01540	-.00280	.00250	-.02280	.11810	.02300
1.998	2.640	-.02120	.11760	-.01300	-.02770	-.00560	.00390	-.02110	.11760	.02320
2.001	4.800	-.02170	.11720	-.01460	-.04920	-.01110	.00680	-.02160	.11730	.02320
2.001	6.930	-.02200	.11680	-.01730	-.07390	-.01660	.00940	-.02190	.11680	.02360
	GRADIENT	.00055	-.00010	.00027	-.01025	-.00252	.00129	.00055	-.00010	-.00008

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER017) (25 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 71/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.198	-15.280	-.06830	.13500	.02820	.16190	.04250	-.01650	-.06830	.13510	.06310
1.198	-9.740	-.04260	.13690	.02910	.09680	.02480	-.00940	-.04250	.13690	.05830
1.198	-6.450	-.03100	.13770	.02800	.06280	.01540	-.00580	-.03090	.13770	.05330
1.201	-4.280	-.02680	.13770	.02710	.04220	.01020	-.00360	-.02670	.13770	.05440
1.201	-2.140	-.02430	.13670	.02610	.02090	.00530	-.00110	-.02420	.13670	.05250
1.201	.020	-.02160	.13580	.02540	-.00070	.00070	.00120	-.02150	.13580	.05030
1.200	1.150	-.02060	.13610	.02600	-.01230	-.00130	.00250	-.02060	.13610	.05050
1.202	2.190	-.02060	.13700	.02690	-.02330	-.00400	.00360	-.02060	.13700	.05140
1.199	4.330	-.02260	.13660	.02810	-.04410	-.00850	.00610	-.02260	.13860	.05360
1.200	6.470	-.02130	.13710	.03020	-.06410	-.01320	.00850	-.02130	.13710	.05370
	GRADIENT	.00060	.00007	.00011	-.01006	-.00216	.00112	.00059	.00007	-.00016

RUN NO. 70/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-15.710	-.06930	.12810	-.00640	.19360	.04580	-.02450	-.06890	.12830	.04570
1.499	-10.020	-.03820	.13160	.00110	.10770	.02770	-.01470	-.03800	.13170	.04580
1.500	-6.710	-.02870	.13250	.00400	.06790	.01770	-.00940	-.02850	.13250	.04300
1.500	-4.530	-.02510	.13370	.00380	.04570	.01170	-.00610	-.02490	.13370	.04190
1.500	-2.320	-.02280	.13310	.00410	.02380	.00610	-.00310	-.02260	.13310	.04110
1.499	-.120	-.01970	.13200	.00460	.00140	.00070	.00020	-.01960	.13200	.04010
1.499	.960	-.02110	.13210	.00470	-.00890	-.00160	.00140	-.02100	.13210	.03990
1.500	2.060	-.02010	.13280	.00470	-.02080	-.00410	.00320	-.02000	.13280	.04010
1.502	4.210	-.02000	.13300	.00480	-.04130	-.00940	.00610	-.01990	.13300	.04060
1.501	6.360	-.01930	.13180	.00480	-.06400	-.01530	.00900	-.01920	.13180	.04100
	GRADIENT	.00059	-.00009	.00012	-.00999	-.00240	.00140	.00057	-.00009	-.00018

RUN NO. 69/ 0 RN/L = 2.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.999	-15.140	-.06050	.11760	-.03020	.19540	.04040	-.01970	-.06020	.11780	.02530
1.999	-9.500	-.03470	.11760	-.02470	.10800	.02570	-.01240	-.03450	.11770	.02570
2.001	-6.210	-.02540	.11720	-.02000	.06610	.01730	-.00820	-.02520	.11720	.02460
2.001	-3.970	-.02260	.11820	-.01740	.04000	.01130	-.00520	-.02250	.11820	.02410
1.999	-1.810	-.02190	.11760	-.01560	.01610	.00560	-.00230	-.02170	.11760	.02350
1.999	.380	-.02060	.11770	-.01530	-.00550	.00020	.00060	-.02040	.11780	.02340
1.996	1.460	-.02060	.11810	-.01510	-.01740	-.00260	.00210	-.02050	.11810	.02350
2.001	2.550	-.02010	.11780	-.01530	-.02840	-.00530	.00360	-.02000	.11780	.02310
2.006	4.700	-.01840	.11690	-.01690	-.05010	-.01050	.00630	-.01830	.11690	.02340
2.004	6.890	-.01910	.11650	-.01860	-.07600	-.01600	.00920	-.01900	.11660	.02400
	GRADIENT	.00046	-.00010	.00008	-.01036	-.00251	.00133	.00046	-.00010	-.00008

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (RER018) (25 APR 74)

REFERENCE DATA

SREF = .6953 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 55/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.601	-4.620	.45360	.02990	.04580	.04920	.00700	.00000	.44040	.11270	.04460
.603	-2.450	.45320	.02930	.04590	.02580	.00300	-.00010	.44010	.11200	.04420
.600	-.340	.44720	.02980	.04690	.00430	-.00060	-.00030	.43420	.11130	.04200
.599	.770	.44700	.02870	.04550	-.00580	-.00230	-.00070	.43410	.11010	.04290
.600	1.700	.44640	.02740	.04510	-.01680	-.00410	-.00110	.43380	.10870	.04220
.599	3.790	.44490	.02770	.04440	-.03620	-.00780	-.00120	.43230	.10870	.04450
.599	5.890	.44680	.03060	.03980	-.05860	-.01120	-.00090	.43360	.11200	.04810
.599	8.090	.44530	.03120	.03730	-.07840	-.01580	-.00110	.43210	.11220	.05130
.599	11.160	.43860	.03310	.03570	-.10550	-.02150	-.00080	.42520	.11280	.05440
.599	16.250	.42850	.04150	.02840	-.15350	-.03100	.00020	.41370	.11910	.06830
	GRADIENT	-.00117	-.00029	-.00017	-.01016	-.00175	-.00016	-.00109	-.00054	-.00012

RUN NO. 54/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.698	-4.570	.47510	.04770	.04090	.05210	.00580	-.00100	.45810	.13480	.04600
.697	-2.390	.47320	.04540	.04270	.02640	.00240	-.00040	.45670	.13210	.04380
.696	-.280	.46950	.04410	.04190	.00190	-.00040	.00020	.45330	.13020	.04320
.696	.720	.46800	.04410	.04150	-.00830	-.00160	.00010	.45180	.12980	.04290
.697	1.840	.46770	.04470	.04050	-.01870	-.00330	.00000	.45140	.13040	.04410
.696	3.880	.46520	.04330	.03950	-.04060	-.00730	-.00020	.44920	.12840	.04440
.699	5.990	.47350	.04390	.03900	-.06390	-.01090	.00000	.45720	.13070	.04860
.698	8.100	.46610	.04350	.03420	-.08440	-.01470	.00090	.45000	.12880	.05020
.697	11.280	.45610	.04440	.03600	-.11440	-.02090	.00100	.44010	.12770	.05750
.697	16.310	.43620	.05240	.03210	-.16870	-.03310	.00200	.41920	.13160	.07160
	GRADIENT	-.00121	-.00046	-.00022	-.01094	-.00150	.00010	-.00111	-.00070	-.00016

RUN NO. 53/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.798	-4.520	.48500	.06530	.04290	.05680	.00680	-.00070	.46430	.15470	.04680
.802	-2.360	.48020	.06530	.04430	.02800	.00320	.00040	.45960	.15380	.04560
.800	-.230	.47610	.06430	.04500	.00240	-.00030	.00070	.45570	.15200	.04390
.799	.790	.47670	.06450	.04510	-.00810	-.00160	.00050	.45630	.15230	.04540
.798	1.960	.47290	.06340	.04410	-.02180	-.00370	.00100	.45260	.15040	.04460
.798	4.120	.47510	.06410	.04130	-.04750	-.00740	.00180	.45480	.15150	.04550
.795	6.150	.47390	.06310	.03880	-.07300	-.01150	.00290	.45390	.15020	.04720
.799	8.340	.47510	.06650	.03550	-.09840	-.01650	.00460	.45440	.15380	.05120
.798	11.490	.46090	.06610	.03290	-.13200	-.02450	.00660	.44060	.15760	.06470
.797	16.840	.42950	.07110	.03380	-.18980	-.03770	.00830	.40900	.14930	.07640
	GRADIENT	-.00125	-.00020	-.00013	-.01196	-.00163	.00025	-.00119	-.00045	-.00016

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (REF018) (25 APR 74)

REFERENCE DATA

SREF = .8053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 52/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.480	.52290	.09630	.01790	.06320	.00560	-.00030	.49540	.19320	.05180
.900	-2.230	.51950	.09280	.02300	.03200	.00200	-.00029	.49270	.18910	.04870
.903	-.090	.52760	.09410	.01490	.00350	-.00220	.00070	.50040	.19190	.04900
.902	.960	.52280	.09220	.01900	-.01170	-.00370	.00120	.49610	.18910	.04840
.901	2.080	.52020	.09070	.02130	-.02610	-.00510	.00100	.49380	.18710	.04740
.901	4.170	.52530	.09350	.01790	-.03670	-.00900	.00100	.49830	.19080	.04970
.901	6.430	.52180	.09420	.01520	-.08670	-.01390	.00270	.49470	.19080	.05180
.901	8.570	.51420	.09750	.01540	-.11270	-.01860	.00300	.48670	.19240	.05540
.897	11.740	.47980	.09590	.02740	-.14990	-.02770	.00470	.45340	.18400	.05910
.899	17.150	.44370	.10150	.02650	-.21320	-.04280	.00610	.41700	.18230	.07480
	GRADIENT	.00024	-.00038	-.00007	-.01379	-.00168	.00019	.00031	-.00034	-.00027

RUN NO. 51/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.200	-4.400	.62320	.12780	-.06240	.04500	.00910	.00040	.58680	.24570	.05870
1.201	-2.280	.62940	.13000	-.06730	.02120	.00460	.00070	.59240	.24920	.06100
1.198	-.010	.63070	.13020	-.06680	-.00300	.00050	.00090	.59370	.24960	.06070
1.198	1.040	.62380	.12960	-.06500	-.01350	-.00190	.00030	.58700	.24750	.06090
1.199	2.210	.62160	.12920	-.06460	-.02490	-.00430	.00010	.58500	.24660	.05990
1.201	4.270	.61700	.12800	-.06380	-.04520	-.00920	.00070	.58080	.24450	.05890
1.202	6.400	.60950	.12780	-.06260	-.06750	-.01470	.00150	.57350	.24270	.05760
1.203	8.610	.60660	.12790	-.06090	-.08770	-.02150	.00110	.57060	.24220	.05770
1.204	11.880	.59300	.12310	-.05460	-.11980	-.03290	-.00010	.55830	.23470	.05540
1.197	17.430	.57180	.11700	-.04610	-.19420	-.05350	-.00190	.53880	.22430	.05640
	GRADIENT	-.00091	-.00001	-.00000	-.01039	-.00208	-.00001	-.00088	-.00022	-.00001

RUN NO. 50/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.501	-4.630	.52310	.12370	-.06970	.04970	.01130	-.00300	.49000	.22110	.04690
1.502	-2.430	.52320	.12440	-.07070	.02690	.00530	-.00170	.48990	.22190	.04810
1.502	-.230	.52320	.12510	-.07140	.00150	.00000	.00080	.48980	.22260	.04890
1.501	.810	.52310	.12510	-.07130	-.00840	-.00240	.00170	.48970	.22260	.04860
1.501	1.930	.51940	.12440	-.07010	-.02130	-.00520	.00250	.48610	.22110	.04770
1.502	4.160	.51480	.12250	-.06880	-.04290	-.01160	.00380	.48210	.21820	.04520
1.502	6.330	.51010	.12070	-.06700	-.06480	-.01900	.00400	.47790	.21550	.04420
1.502	8.610	.50780	.11940	-.06660	-.08790	-.02650	.00390	.47580	.21370	.04420
1.502	11.810	.50640	.11420	-.06790	-.12870	-.03610	.00290	.47550	.20830	.04260
1.502	17.430	.49210	.11440	-.06750	-.21110	-.05290	.00360	.46160	.20550	.04690
	GRADIENT	-.00087	-.00009	.00009	-.01064	-.00256	.00082	-.00084	-.00027	-.00015

ARC 66-709 OA59 OA11A-(R5 V8)+STRUT (REA018) (23 APR 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700

RUN NO. 49/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.001	-4.130	.37080	.10580	-.04690	.04090	.01140	-.00180	.34470	.17280	.02740
2.006	-1.860	.37730	.10750	-.04780	.01730	.00560	-.00110	.35080	.17560	.02700
2.001	.290	.37620	.10770	-.04770	-.00380	-.00050	.00000	.34970	.17560	.02670
1.998	1.400	.37640	.10830	-.04820	-.01540	-.00370	.00060	.34980	.17630	.02730
1.998	2.410	.37630	.10770	-.04840	-.02470	-.00640	.00090	.34970	.17570	.02720
1.998	4.670	.37560	.10650	-.04900	-.04840	-.01260	.00190	.34930	.17430	.02700
1.998	9.050	.38040	.10590	-.05310	-.10230	-.02400	.00260	.35410	.17460	.02750
1.998	12.430	.38080	.10400	-.05680	-.14580	-.03340	.00330	.35490	.17280	.02770
1.998	17.860	.35850	.10460	-.05660	-.23300	-.04750	.00410	.33310	.16890	.02950
	GRADIENT	.00041	.00010	-.00022	-.01009	-.00275	.00043	.00038	.00017	-.00002

ARC 66-709 0A59 0A11A-(N24) (RER019) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 123/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.396	-4.000	-.28740	.06060	.05660	.00470	.00000	.00040	-.28240	.08050	.03500
.395	-2.000	-.19440	.06450	.05390	.00340	.00000	.00050	-.19200	.07130	.03480
.395	.100	-.08550	.06700	.05340	.00290	.00000	.00050	-.08560	.06690	.03570
.397	2.170	.01030	.06430	.05320	.00260	.00000	.00080	.00790	.06460	.03440
.397	4.260	.11310	.05810	.05260	.00340	-.00030	.00090	.10850	.06630	.03400
.397	6.310	.21620	.04880	.05050	.00530	-.00060	.00080	.20950	.07220	.03310
.397	8.430	.31920	.03690	.04920	.00630	-.00050	.00070	.31030	.08330	.03330
.397	10.480	.43600	.02550	.04840	.00980	-.00100	.00150	.42410	.10440	.03380
.396	12.620	.55380	.03160	.03600	.01110	-.00090	.00180	.53350	.15180	.03550
.396	14.670	.67270	.02850	.03130	.01320	-.00130	.00110	.64360	.19800	.03790
	GRADIENT	.04861	-.00026	-.00042	-.00016	-.00003	.00006	.04745	-.00169	-.00012

RUN NO. 122/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.801	-4.270	-.33200	.06790	.07470	.00450	-.00010	.00030	-.32610	.09240	.03690
.802	-2.230	-.21460	.06960	.06920	.00310	-.00010	.00040	-.21370	.07800	.03510
.800	-.090	-.10350	.07060	.06680	.00310	-.00010	.00060	-.10340	.07060	.03450
.800	2.060	.00440	.06840	.06450	.00350	-.00030	.00080	.00190	.06860	.03310
.801	4.100	.11530	.06470	.06180	.00270	-.00030	.00080	.11040	.07270	.03430
.802	6.200	.23650	.05920	.05330	.00520	-.00010	.00130	.22870	.08440	.03370
.803	8.330	.34590	.05960	.04840	.00690	-.00070	.00120	.33360	.10910	.03440
.800	10.460	.45210	.05910	.04750	.00960	-.00070	.00170	.43390	.14020	.03580
.802	12.550	.56180	.06490	.03600	.01150	-.00120	.00250	.53420	.18540	.03740
.801	14.710	.68170	.06780	.03030	.01260	-.00130	.00190	.64220	.23870	.04050
	GRADIENT	.05304	-.00036	-.00145	-.00015	-.00003	.00007	.05176	-.00232	-.00034

RUN NO. 121/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.850	-4.320	-.34820	.07150	.08210	.00410	-.00010	.00010	-.34180	.09760	.03680
.850	-2.280	-.23370	.07340	.07670	.00290	-.00010	.00040	-.23360	.08260	.03620
.850	-.170	-.11310	.07400	.07270	.00280	-.00010	.00050	-.11290	.07440	.03500
.850	1.960	-.00010	.07390	.06860	.00290	-.00020	.00060	-.00260	.07380	.03440
.852	4.050	.12110	.07090	.06110	.00310	-.00030	.00100	.11580	.07930	.03440
.850	6.130	.23330	.07050	.05540	.00540	-.00010	.00170	.22450	.09500	.03320
.849	8.290	.33590	.06990	.05360	.00700	-.00040	.00130	.32230	.11760	.03460
.849	10.330	.44240	.07270	.04840	.00990	-.00100	.00140	.42220	.15080	.03655
.848	12.460	.55340	.07740	.03730	.01140	-.00130	.00270	.52370	.19500	.03940
.849	14.569	.66330	.07910	.03020	.01300	-.00140	.00180	.62220	.24330	.04360
	GRADIENT	.05587	-.00003	-.00239	-.00009	-.00002	.00010	.05449	-.00215	-.00031

ARC 66-709 0A59 0A11A-(N24) (RER019) (13 JUN 74)

REFERENCE DATA

SRLF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700 SPCBRK = 25.000

RUN NO. 120/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.901	-4.400	-.36340	.07880	.09210	.00370	-.00010	.00010	-.35620	.10630	.03760
.898	-2.270	-.22900	.08030	.08070	.00380	-.00020	.00050	-.22570	.08940	.03550
.900	-.160	-.09200	.08440	.06590	.00230	-.00010	.00040	-.09170	.08460	.03550
.902	1.930	.02140	.08180	.05910	.00310	-.00030	.00070	.01860	.08240	.03410
.899	4.020	.13420	.08270	.05550	.00390	-.00040	.00060	.12810	.09190	.03330
.900	6.100	.24240	.08370	.05030	.00430	-.00040	.00150	.23220	.10900	.03480
.901	8.260	.34700	.08270	.04430	.00740	-.00060	.00090	.33160	.13170	.03420
.900	10.320	.47110	.08340	.02680	.01070	-.00160	.00120	.44850	.16640	.03800
.899	12.480	.57320	.08470	.01780	.01550	-.00270	.00190	.54130	.20650	.03830
.902	14.530	.68920	.08950	.00790	.01420	-.00250	.00140	.64470	.25960	.04560
	GRADIENT	.05921	.00044	-.00451	-.00001	-.00003	.00006	.05766	-.00173	-.00048

RUN NO. 119/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.951	-4.460	-.35150	.09610	.09120	.00290	.00020	.00040	-.34300	.12320	.04220
.952	-2.330	-.20390	.09650	.06080	.00250	.00000	.00040	-.19980	.10480	.03820
.951	-.210	-.05280	.10200	.03930	.00180	.00010	.00060	-.05240	.10220	.04060
.951	1.930	.07970	.09940	.02060	.00190	-.00010	.00060	.07630	.10200	.03850
.951	4.060	.20980	.09480	.00370	.00420	-.00050	.00080	.20250	.10940	.03930
.952	6.130	.33460	.09660	-.01180	.00570	-.00040	.00130	.32230	.13190	.03840
.949	8.280	.43360	.09450	-.01010	.00570	.00000	.00110	.41540	.15590	.04170
.949	10.390	.55980	.09550	-.02200	.00680	-.00020	.00100	.53330	.19490	.04730
.950	12.450	.66230	.10020	-.02900	.00770	-.00270	.00220	.62510	.24060	.05070
.950	14.610	.77900	.10020	-.03760	.01210	.00020	.00120	.72850	.29350	.05270
	GRADIENT	.06602	.00001	-.01010	.00009	-.00007	.00005	.06418	-.00143	-.00026

RUN NO. 118/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.200	-3.980	-.28470	.14510	.09840	.00280	-.00010	.00010	-.27490	.16450	.04950
1.201	-1.950	-.14690	.14700	.06610	.00180	.00000	.00060	-.14180	.15190	.04890
1.199	-.220	-.04500	.14760	.04340	.00170	.00010	.00060	-.04440	.14770	.04930
1.202	.240	-.01440	.14730	.03670	.00050	.00030	.00070	-.01500	.14720	.04910
1.202	2.350	.11320	.14650	.01020	.00060	.00030	.00070	.10710	.15100	.04920
1.202	4.510	.23660	.14430	-.01330	.00230	.00000	.00090	.22450	.16250	.04930
1.200	6.650	.35580	.14060	-.03020	.00310	.00000	-.00020	.33720	.18080	.05000
1.200	8.800	.47670	.13590	-.04250	.00410	-.00010	.00030	.45030	.20730	.05170
1.202	10.890	.59570	.13370	-.05290	.00510	-.00040	.00050	.55970	.24390	.05420
1.199	13.110	.72670	.13360	-.07060	.00580	-.00010	.00180	.67740	.29500	.05720
1.201	15.190	.83450	.13270	-.08080	.00700	-.00010	.00170	.77050	.34670	.05980
	GRADIENT	.06118	-.00011	-.01310	-.00010	.00002	.00008	.05851	-.00015	-.00009

ARC 66-709 OA59 OA11A-(N24) (RER019) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = -11.700 SPDBRK = 25.000

RUN NO. 117/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.200	-.22660	.14650	.05840	.00430	.00030	.00020	-.21510	.16470	.03890
1.499	-2.130	-.12210	.14650	.03880	.00270	.00000	.00040	-.11660	.15090	.03940
1.500	-.070	-.01670	.14420	.02040	.00220	.00010	.00030	-.01660	.14430	.03830
1.501	.460	.00650	.14360	.01690	.00210	.00010	.00030	.00530	.14370	.03780
1.500	2.220	.09470	.14140	.00120	.00310	.00010	.00040	.08910	.14500	.03780
1.500	4.710	.21510	.13720	-.01800	.00400	.00000	.00060	.20310	.15440	.03820
1.499	6.760	.31260	.13320	-.03110	.00400	.00030	-.00020	.29470	.16900	.03860
1.497	8.890	.41060	.13040	-.04220	.00400	.00030	.00040	.38550	.19220	.03990
1.498	11.050	.50980	.12890	-.05510	.00620	-.00030	-.00040	.47560	.22420	.04170
1.499	13.110	.61000	.12740	-.06700	.00720	-.00030	-.00100	.56520	.26250	.04290
1.498	15.250	.71370	.12410	-.07810	.00630	.00050	.00070	.65600	.30740	.04330
	GRADIENT	.04960	-.00125	-.00858	-.00001	-.00002	.00004	.04698	-.00116	-.00014

RUN NO. 116/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.004	-4.740	-.20130	.12910	.01750	.00470	.00040	.00010	-.19000	.14530	.02080
1.999	-2.700	-.12690	.12860	.01000	.00370	.00040	.00010	-.12070	.13440	.02080
1.997	-.610	-.04890	.12650	.00130	.00390	.00020	.00010	-.04760	.12700	.02140
2.006	-.110	-.03560	.12530	-.00180	.00420	.00050	.00010	-.03530	.12540	.02090
2.000	1.540	.03310	.12480	-.00910	.00360	.00020	.00020	.02970	.12570	.02150
1.997	3.600	.10960	.12260	-.01850	.00440	.00010	.00010	.10160	.12920	.02200
1.998	5.710	.18430	.11890	-.02750	.00540	.00010	.00010	.17160	.13660	.02160
2.001	7.850	.25890	.11560	-.03160	.00500	.00010	.00010	.24070	.14980	.02160
2.003	9.920	.33290	.11300	-.03380	.00560	.00020	.00020	.30840	.16860	.02230
2.003	12.030	.41240	.10950	-.03480	.00620	.00020	.00030	.38050	.19300	.02240
2.001	14.370	.49860	.10570	-.03800	.00700	.00020	.00040	.45680	.22610	.02300
	GRADIENT	.03732	-.00081	-.00436	-.00003	-.00004	.00000	.03501	-.00200	.00014

ARC 66-709 OA59 OA11A-(NZ4) (REA020) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BDFLAP = -11.700 SPDBRK = 25.000

RUN NO. 144/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.594	-3.890	.00360	.08820	-.08980	-.00170	.00030	.00050	.00960	.08780	.04680
.600	-1.920	.09540	.09080	-.09010	-.00150	.00010	.00050	.09840	.08750	.04400
.599	.150	.19490	.09180	-.09110	-.00020	-.00020	.00060	.19470	.09230	.04290
.600	2.300	.29410	.08750	-.09150	.00010	-.00030	.00070	.29040	.09920	.04170
.598	4.350	.39550	.08080	-.09060	.00000	-.00030	.00070	.38820	.11060	.04150
.598	6.430	.50080	.07030	-.09380	.00080	-.00050	.00080	.48970	.12590	.04130
.600	8.560	.63620	.05950	-.19430	.00070	-.00050	.00150	.62030	.15360	.04120
.600	10.630	.76910	.05120	-.11400	.00280	-.00090	.00100	.74640	.19220	.04220
.600	12.700	.85370	.06130	-.11100	.00600	-.00180	-.00020	.81930	.24750	.04400
.598	14.780	.93310	.06350	-.10250	.00440	-.00130	.00120	.88610	.29950	.04630
	GRADIENT	.04746	-.00088	-.00014	.00024	-.00008	.00003	.04585	.00278	-.00062

RUN NO. 143/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.799	-4.160	-.08710	.09520	-.08490	-.00670	.00030	.00010	-.08000	.10120	.04690
.796	-2.050	.04340	.09680	-.07480	-.00540	-.00010	.00030	.04680	.09510	.04440
.800	.020	.15720	.09960	-.08100	-.00390	-.00040	.00080	.15710	.09960	.04290
.798	2.090	.27120	.09820	-.08980	-.00280	-.00060	.00080	.26740	.10800	.04290
.803	4.210	.40340	.09490	-.09950	-.00290	-.00060	.00080	.39540	.12420	.04410
.798	6.440	.53820	.08740	-.11270	-.00250	-.00060	.00060	.52500	.14720	.04000
.802	8.480	.68840	.09560	-.10460	-.00130	-.00090	.00190	.68770	.18400	.04350
.799	10.550	.71730	.09460	-.10640	-.00120	-.00100	.00240	.68790	.22440	.04590
.800	12.680	.82060	.10400	-.11510	-.00070	-.00100	.00480	.77770	.28160	.04910
.801	14.790	.95060	.10820	-.12330	.00300	-.00150	.00170	.89140	.34730	.05550
	GRADIENT	.05790	.00004	-.00403	.00049	-.00011	.00009	.05611	.00282	-.00034

RUN NO. 142/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.906	-4.320	-.15250	.11060	-.03590	-.00660	.00080	-.00030	-.14370	.12180	.05950
.904	-2.210	.00750	.11230	-.06340	-.00520	.00030	.00000	.01180	.11200	.04590
.906	-.150	.13140	.11400	-.08380	-.00400	.00000	.00000	.13170	.11370	.04470
.909	2.030	.26810	.11730	-.10170	-.00390	-.00010	.00030	.26380	.12670	.04450
.901	4.190	.40910	.11640	-.11710	-.00350	-.00020	.00030	.39950	.14600	.04230
.899	6.280	.52880	.11600	-.12610	-.00650	.00040	.00210	.51290	.17310	.04350
.901	8.360	.64170	.11970	-.13410	-.00340	-.00010	.00100	.61750	.21180	.04610
.897	10.440	.72160	.12170	-.12410	-.00260	-.00060	.00230	.68770	.25040	.04600
.899	12.540	.84250	.13390	-.13950	.00020	-.00110	.00080	.79340	.31360	.05610
.903	14.730	.99300	.13880	-.14820	.00140	-.00110	.00030	.88640	.37640	.06250
	GRADIENT	.06508	.00078	-.00943	.00035	-.00011	.00058	.06295	.00299	-.00084

ARC 66-709 OA59 OA11A-(N24) (RER020) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .3935 FT. YMRP = .0000 IN.
BREF = 1.1719 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BOFLAP = -11.709 SPOBRK = 25.000

RUN NO. 141/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.193	-4.410	-.16880	.17120	-.00540	-.00480	.00070	-.00050	-.15490	.18370	.03780
1.197	-2.310	-.02910	.17300	-.03740	-.00390	.00010	-.00050	-.02210	.17410	.03700
1.199	-.210	.09550	.17450	-.06820	-.00330	.00000	-.00020	.09610	.17420	.03660
1.200	2.000	.23220	.17550	-.09680	-.00390	.00000	.00010	.22600	.18350	.03670
1.200	4.100	.36590	.17550	-.12390	-.00400	.00000	.00020	.35210	.20170	.03660
1.199	6.240	.48840	.17320	-.14400	-.00410	.00000	.00020	.46660	.22530	.03600
1.196	8.410	.61830	.17000	-.16180	-.00250	-.00040	.00050	.58680	.25860	.03720
1.197	10.510	.74700	.16950	-.17570	-.00300	-.00040	.00070	.70350	.30300	.03940
1.197	12.700	.87230	.17080	-.18800	-.00230	-.00030	.00080	.81340	.35840	.04110
1.191	14.790	.98800	.17010	-.19780	-.00200	.00000	.00060	.91190	.41660	.04140
	GRADIENT	.06190	.00051	-.01379	.00007	-.00007	.00009	.05872	.00214	-.00012

RUN NO. 140/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.501	-4.290	-.13910	.16630	-.01330	-.00060	.00060	-.00030	-.12630	.17630	.04500
1.500	-2.210	-.03670	.16650	-.03180	-.00050	.00040	-.00040	-.03020	.16780	.04450
1.498	-.030	.06840	.16500	-.05050	.00060	.00010	-.00020	.06850	.16500	.04380
1.499	2.150	.17520	.16380	-.06850	.00030	.00000	-.00010	.16900	.17030	.04360
1.497	4.180	.27720	.16210	-.08550	-.00050	.00020	-.00020	.26460	.18190	.04400
1.500	6.340	.38150	.15920	-.10120	-.00040	.00010	-.00040	.36160	.20040	.04420
1.500	8.460	.48700	.15800	-.11740	-.00060	.00010	-.00040	.45850	.22790	.04440
1.499	10.560	.59120	.15890	-.13260	-.00060	.00000	-.00030	.55200	.26450	.04580
1.497	12.690	.69000	.15880	-.14440	-.00010	.00010	-.00010	.63820	.30650	.04720
1.494	14.810	.79620	.15760	-.15680	.00030	.00010	.00010	.72950	.35590	.04790
	GRADIENT	.04903	-.00052	-.00850	.00005	-.00006	.00002	.04605	.00064	-.00014

RUN NO. 139/ 0 RN/L = 2.39 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.000	-4.770	-.15910	.13880	-.02550	.00160	.00030	-.00020	-.14790	.15150	.02280
2.000	-2.690	-.08080	.13850	-.03390	.00200	.00040	-.00020	-.07430	.14220	.02280
2.000	-.610	.00200	.13810	-.04200	.00180	.00030	-.00020	.00340	.13810	.02350
2.000	1.470	.08110	.13740	-.04980	.00200	.00020	-.00010	.07760	.13950	.02340
2.000	3.650	.15690	.13660	-.06190	.00230	.00030	.00000	.14790	.14650	.02380
2.000	5.710	.23800	.13480	-.07020	.00180	.00020	-.00010	.22340	.15780	.02310
1.997	7.820	.31170	.13380	-.07670	.00220	.00040	.00010	.29060	.17500	.02360
1.997	9.910	.39300	.13240	-.08060	.00230	.00040	.00000	.36430	.19800	.02400
1.997	11.980	.46990	.13050	-.08510	.00250	.00040	.00020	.43260	.22320	.02410
1.998	14.110	.55330	.12840	-.08950	.00270	.00040	.00030	.50330	.25940	.02390
	GRADIENT	.03780	-.00024	-.00423	.00007	-.00001	.00002	.03531	-.00059	.00012

ARC 66-709 OA59 OA11A-(N24) (RER021) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = 15.000
BCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 158/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
2.005	-4.720	-.14990	.13990	-.02670	.00530	.00050	.00010	-.13790	.15170	.02300
1.997	-2.660	-.06700	.13950	-.03490	.00440	.00050	-.00010	-.06050	.14250	.02310
1.999	-.570	.01170	.13930	-.04300	.00430	.00050	.00000	.01310	.13920	.02300
1.999	1.520	.08800	.13850	-.05280	.00460	.00040	.00000	.08430	.14080	.02350
1.999	3.680	.16920	.13780	-.06270	.00410	.00030	.00010	.16000	.14640	.02380
1.999	5.730	.24470	.13600	-.07140	.00490	.00020	.00010	.22990	.15970	.02340
1.999	7.670	.32270	.13500	-.07770	.00440	.00030	.00020	.30120	.17790	.02350
1.997	9.910	.39510	.13330	-.08160	.00490	.00040	.00020	.36630	.19930	.02490
1.996	12.020	.47590	.13130	-.08640	.00490	.00030	.00040	.43820	.22750	.02420
1.996	14.090	.55620	.12930	-.09040	.00560	.00050	.00060	.50990	.26120	.02400
	GRADIENT	.03780	-.00025	-.00429	-.00010	-.00002	.00000	.03530	-.00038	.00010

ARC 66-709 0A59 0A11A-(N24) (RER022) 3 JUN 74 1

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0130

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000 SPOBRK = 25.000

RUN NO. 130/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.080	-.26220	.05710	.03640	.00420	.00080	.00080	-.25750	.07560	.03310
.599	-1.960	-.15590	.06150	.03580	.00410	.00050	.00080	-.15370	.06680	.03430
.600	.110	-.05770	.06220	.03500	.00440	.00050	.00100	-.05780	.06210	.03280
.599	2.210	.04110	.05990	.03410	.00380	.00050	.00120	.03870	.06150	.03140
.600	4.270	.14410	.05390	.03240	.00530	.00040	.00160	.13970	.06450	.03160
.600	6.340	.24530	.04400	.03120	.00660	.00020	.00160	.23890	.07080	.03090
.600	8.450	.35480	.03250	.02990	.00870	.00000	.00160	.34620	.08430	.03150
.600	10.480	.46870	.02220	.02720	.01100	-.00060	.00220	.45680	.10710	.03210
.598	12.600	.58630	.02990	.01540	.01310	-.00050	.00210	.56570	.15710	.03460
.600	14.690	.70970	.02770	.01130	.01470	-.00050	.00190	.67940	.20670	.03690
	GRADIENT	.04833	-.00038	-.00066	.00009	-.00004	.00010	.04724	-.00132	-.00028

RUN NO. 129/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.701	-4.090	-.28240	.05820	.04590	.00120	.00010	-.00010	-.27760	.07820	.03480
.70.	-2.020	-.17310	.06210	.04110	.00100	.00010	.00020	-.17080	.06810	.03310
.700	.000	-.07190	.06510	.04030	.00080	-.00010	.00040	-.07190	.06310	.03230
.701	2.130	.03210	.06010	.03950	.00090	-.00010	.00060	.02980	.06120	.03130
.701	4.230	.14060	.05440	.03690	.00170	-.00030	.00070	.13620	.06460	.03240
.701	6.360	.24700	.04490	.03300	.00260	-.00050	.00070	.24050	.07200	.03120
.699	8.490	.36160	.03460	.03280	.00470	-.00060	.00070	.35550	.08810	.03230
.701	10.550	.48310	.03460	.02340	.00730	-.00150	.00120	.46860	.12250	.03270
.700	12.650	.59740	.03690	.01750	.00930	-.00100	.00180	.57445	.16870	.03600
.699	14.770	.70020	.03920	.01080	.01090	-.00110	.00210	.66710	.21650	.03930
	GRADIENT	.05056	-.00047	-.00094	.00004	-.00005	.00010	.04945	-.00163	-.00032

RUN NO. 128/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.600	-4.220	-.30430	.06180	.05450	.00270	-.00010	.00000	-.29890	.08410	.03470
.600	-2.170	-.19110	.06380	.05050	.00130	-.00010	.00040	-.18855	.07100	.03300
.600	-.120	-.08320	.06590	.04780	.00120	-.00020	.00050	-.08300	.06600	.03570
.601	2.040	.02720	.06320	.04520	.00160	-.00030	.00050	.02500	.06410	.03200
.600	4.110	.14110	.05840	.04070	.00180	-.00030	.00060	.13665	.06830	.03230
.601	6.200	.26040	.05160	.03380	.00220	-.00040	.00090	.25330	.07950	.03190
.602	8.330	.37160	.05310	.02830	.00510	-.00100	.00100	.36050	.10650	.03300
.601	10.410	.47350	.05320	.02670	.00650	-.00100	.00130	.45610	.13790	.03420
.601	12.540	.58810	.06050	.01450	.00770	-.00110	.00210	.56100	.18670	.04040
.600	14.630	.70530	.06730	.00860	.01060	-.00130	.00150	.66690	.23850	.04200
	GRADIENT	.05314	-.00036	-.00157	-.00007	-.00003	.00008	.05196	-.00184	-.00028

ARC 66-709 OA59 OA11A-(NZ4) (REV022) (13 JUN 74)

REFERENCE DATA

SREF = .6953 SQ.FT. XMRP = 12.6255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1715 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = .000 SPDBRK = 25.000

RUN NO. 127/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.901	-4.330	-.33260	.07100	.07190	.00100	-.00010	.00000	-.32630	.09390	.03570
.900	-2.330	-.21260	.07610	.06280	.00170	-.00030	.00040	-.20950	.08470	.03510
.902	-.160	-.08250	.07480	.04990	.00100	-.00020	.00030	-.08250	.07510	.03320
.900	2.000	.04840	.07590	.03900	.00110	-.00030	.00050	.04570	.07760	.03280
.900	4.050	.15450	.07410	.03680	.00250	-.00040	.00080	.14880	.08480	.03200
.900	6.200	.26330	.07740	.03280	.00320	-.00060	.00130	.25340	.10540	.03210
.900	8.360	.37160	.07650	.02810	.00550	-.00110	.00060	.35650	.12970	.03430
.899	10.300	.47340	.07820	.01899	.00720	-.00150	.00110	.45180	.16160	.03570
.899	12.430	.59160	.08080	.00310	.01270	-.00270	.00130	.56030	.20630	.03970
.901	14.570	.71750	.08470	-.01280	.01260	-.00250	.00110	.67310	.26240	.04360
	GRADIENT	.05858	.00028	-.00436	.00011	-.00003	.00008	.05716	-.00138	-.00046

RUN NO. 126/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	C	CAB
1.197	-4.320	-.30010	.14070	.09420	.00170	-.00020	-.00050	-.28860	.16290	.04930
1.200	-1.990	-.14290	.14240	.05620	.00020	-.00010	.00040	-.13790	.14720	.04790
1.200	.270	.00060	.14290	.02440	-.00060	.00020	.00040	.00000	.14290	.04770
1.199	2.580	.12660	.14300	-.00310	-.00020	.00010	.00040	.12060	.14810	.04890
1.198	4.930	.25280	.14220	-.02660	.00130	-.00020	.00050	.24080	.16170	.05040
1.198	6.690	.37000	.13850	-.04180	.00080	-.00010	-.00020	.35130	.18070	.05110
1.199	8.810	.49100	.13410	-.05620	.00290	-.00060	.00000	.46460	.20780	.05240
1.198	10.920	.60890	.13130	-.06720	.00300	-.00050	.00070	.57310	.24420	.05400
1.200	13.040	.73990	.13300	-.08360	.00390	-.00030	.00180	.69080	.29650	.05790
1.199	15.220	.85420	.13170	-.09610	.00440	-.00020	.00180	.78970	.35120	.06020
	GRADIENT	.06235	.00017	-.01365	-.00006	.00001	.00009	.05972	-.00012	.00014

RUN NO. 125/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.504	-4.280	-.22440	.14650	.05160	.00170	.00020	.00060	-.21320	.16290	.04050
1.499	-2.130	-.11260	.14530	.03220	.00120	-.00010	.00010	-.10730	.14940	.03980
1.498	-.040	-.00660	.14220	.01220	.00070	.00020	.00030	-.00650	.14220	.03840
1.503	.480	.00960	.14130	.00640	.00070	.00010	.00010	.00870	.14140	.03780
1.498	2.100	.09320	.13960	-.00620	.00050	.00010	.00020	.08800	.14290	.03810
1.500	4.210	.20000	.13660	-.02370	.00170	-.00010	.00030	.18950	.15090	.03840
1.500	6.290	.30220	.13330	-.03960	.00160	.00000	.00000	.28570	.16560	.03920
1.500	8.500	.40960	.12980	-.04990	.00180	.00000	.00010	.37720	.18760	.04010
1.498	10.590	.50260	.12860	-.06440	.00320	.00000	-.00020	.47040	.21880	.04130
1.498	12.930	.61200	.12630	-.07800	.00540	-.00060	-.00130	.56820	.26010	.04300
1.497	15.280	.72600	.12310	-.09130	.00450	.00010	.00060	.66790	.31500	.04380
	GRADIENT	.04972	-.00120	-.00891	-.00004	-.00002	.00003	.04713	-.00151	-.00029

ARC 66-705 0459 CALIA-(NZ4) (BERG22) (13 JUN 74)

REFERENCE DATA

SREF =	.6053 SQ.FT.	XMRP =	12.6255 IN.		
LREF =	.5933 FT.	YMRP =	.0000 IN.		
BREF =	1.1710 FT.	ZMRP =	-.3750 IN.		
SCALE =	.0150				

PARAMETRIC DATA

BETA =	.000	ELEVON =	.000
BDFLAP =	.000	SPDBRK =	25.000

RUN NO. 124/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWC	CY	CYN	CBL	CL	CD	CAB
1.998	-4.750	-.20390	.12810	.01220	.00410	.00030	.00000	-.19260	.14450	.0090
2.000	-2.560	-.11190	.12710	.00760	.00320	.00010	.00000	-.10610	.13190	.02100
2.004	-.330	-.03900	.12530	-.00330	.00310	.00000	.00000	-.03780	.12570	.02100
2.003	1.530	.03790	.12380	-.01360	.00370	.00000	.00000	.03460	.12470	.02150
2.003	3.620	.11460	.12160	-.02360	.00420	-.00010	.00010	.10670	.12860	.02200
2.004	5.740	.19460	.11690	-.03080	.00460	-.00020	.00000	.18190	.13580	.02040
2.002	7.850	.26490	.11430	-.03600	.00460	-.00010	.00000	.24680	.14940	.02090
2.001	9.920	.34220	.11180	-.04010	.00520	-.00010	.00000	.31780	.16910	.02140
1.999	12.030	.41830	.10800	-.04240	.00540	.00000	.00020	.38670	.19280	.02180
1.999	14.160	.49870	.10450	-.04570	.00580	.00010	.00030	.45800	.22340	.02210
	GRADIENT	.03778	-.00078	-.00445	.00003	-.00004	.00001	.03550	-.00188	.00013

ARC 86-709 0439 0A11A-(N24) (RER023) (13 JUN 74)

REFERENCE DATA

SREF = .6933 SQ.FT. XMRP = [illegible] IN.
LREF = .9933 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BOFLAP = 16.300 SPOBRK = 25.000

RUN NO. 137/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.602	-4.030	-.20550	.06300	.00220	.00230	.00080	.00050	-.20050	.07730	.03700
.601	-2.010	-.10320	.06650	.00140	.00300	.00070	.00060	-.10080	.07010	.03610
.600	.100	-.00460	.06720	.00040	.00290	.00050	.00050	-.00490	.06720	.03530
.600	2.170	.09250	.06470	-.00190	.00290	.00040	.00080	.09000	.06820	.03530
.601	4.230	.19690	.05900	-.00320	.00380	.00040	.00100	.19200	.07340	.03430
.600	6.310	.30000	.04970	-.00610	.00400	.00020	.00110	.29270	.08250	.03460
.601	8.440	.40820	.03620	-.00710	.00600	-.00020	.00060	.39610	.09770	.03530
.599	10.550	.52460	.02720	-.01020	.00860	-.00060	.00170	.51070	.12280	.03560
.600	12.600	.64010	.03460	-.02070	.00850	-.00080	.00150	.61710	.17340	.03760
.600	14.710	.76160	.03190	-.02230	.01030	-.00090	.00120	.72850	.22420	.04050
	GRADIENT	.04815	-.00047	-.00066	.00014	-.00005	.00006	.04696	-.00046	-.00038

RUN NO. 136/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.699	-4.120	-.21570	.06540	.00610	.00340	.00070	.00050	-.21040	.08080	.03810
.701	-2.080	-.11120	.06880	.00360	.00290	.00060	.00060	-.10870	.07280	.03640
.701	.000	-.01130	.06940	.00210	.00270	.00060	.00070	-.01130	.06940	.03630
.700	2.110	.09310	.06660	.00010	.00330	.00040	.00110	.09060	.06980	.03510
.702	4.220	.19730	.06100	-.00260	.00340	.00020	.00090	.19220	.07530	.03480
.700	6.270	.30750	.05260	-.00640	.00430	.00000	.00100	.29990	.08580	.03550
.700	8.400	.42240	.04210	-.00870	.00630	-.00040	.00090	.41170	.10340	.03630
.700	10.500	.54260	.04260	-.01730	.00830	-.00080	.00120	.52370	.14100	.03710
.699	12.630	.65640	.04430	-.02240	.00980	-.00090	.00150	.63080	.18670	.03890
.700	14.690	.75960	.04590	-.02150	.01150	-.00110	.00210	.72310	.23710	.04230
	GRADIENT	.04937	-.00058	-.00100	.00002	-.00006	.00006	.04813	-.00066	-.00036

RUN NO. 135/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLNFWD	CY	CYN	CBL	CL	CD	CAB
.700	-4.260	-.24110	.06930	.01140	.00410	.00060	.00050	-.23530	.08700	.03810
.600	-2.170	-.12720	.07210	.00610	.00410	.00040	.00060	-.12430	.07690	.03630
.600	-.090	-.01610	.07290	.00370	.00360	.00040	.00080	-.01800	.07290	.03650
.601	2.060	.09200	.07030	.00270	.00300	.00030	.00100	.08940	.07360	.03630
.603	4.160	.20620	.06670	-.00190	.00430	.00000	.00100	.20090	.08130	.04060
.601	6.240	.32990	.06080	-.01090	.00460	.00020	.00140	.32100	.09620	.03710
.600	8.350	.43970	.06210	-.01730	.00760	-.00070	.00100	.42200	.12480	.03690
.601	10.440	.54290	.06250	-.01960	.00890	-.00050	.00230	.52260	.15980	.04010
.602	12.510	.65490	.06880	-.03240	.00870	-.00070	.00250	.62400	.20500	.04220
.601	14.620	.77280	.07940	-.03690	.01130	-.00100	.00200	.73030	.26230	.04470
	GRADIENT	.09286	-.00053	-.00157	-.00003	-.00006	.00006	.05155	-.00067	.00014

ARC 66-70S OA59 OA11A-(N24) (RER023) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
DCFLAP = 16.300 SPDBRK = 25.000

RUN NO. 134/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.390	-.27810	.08220	.02650	.00340	.00070	.00060	-.27100	.10320	.04210
.900	-2.310	-.15000	.08170	.01870	.00410	.00040	.00080	-.14660	.08770	.03980
.901	-.200	-.02370	.08470	.00890	.00360	.00030	.00090	-.02340	.08480	.03910
.899	1.910	.09320	.08300	.00070	.00340	.00020	.00100	.09040	.08610	.03880
.899	4.030	.20790	.08160	-.00490	.00560	-.00020	.00110	.20170	.09600	.03730
.900	6.140	.31400	.08420	-.00830	.00620	-.00040	.00180	.30320	.11730	.03960
.901	8.270	.42910	.08490	-.01970	.00740	-.00040	.00120	.41240	.14570	.03950
.899	10.400	.55220	.08610	-.02780	.00870	-.00090	.00190	.50790	.18080	.04040
.900	12.470	.65170	.08880	-.04500	.01490	-.00230	.00220	.61720	.22740	.04400
.900	14.650	.78520	.09450	-.06050	.01390	-.00200	.00100	.73570	.29010	.04930
	GRADIENT	.05770	.00000	-.00375	.00018	-.00009	.00006	.05614	-.00075	-.00050

RUN NO. 133/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.199	-4.470	-.27160	.15110	.06500	.00300	.00050	.00050	-.25900	.17180	.05370
1.202	-2.350	-.12950	.15290	.03030	.00230	.00050	.00070	-.12310	.15800	.05290
1.200	-.250	.00640	.15500	-.00210	.00170	.00050	.00080	.00710	.15500	.05370
1.201	1.910	.13300	.15550	-.03040	.00260	.00050	.00100	.12780	.15980	.05410
1.199	4.060	.26540	.15690	-.05650	.00310	.00040	.00100	.25360	.17440	.05550
1.199	6.170	.38480	.15430	-.07730	.00300	.00060	.00070	.36600	.19480	.05710
1.200	8.330	.50600	.15090	-.09240	.00330	.00050	.00040	.47880	.22260	.05900
1.200	10.430	.62330	.14960	-.10110	.00500	.00000	.00090	.58600	.25990	.06110
1.199	12.580	.75760	.15040	-.12070	.00490	.00030	.00190	.70670	.31180	.06480
1.200	14.700	.87080	.14910	-.13180	.00480	.00100	.00290	.80440	.36520	.06620
	GRADIENT	.06268	.00058	-.01424	.00002	-.00001	.00006	.05985	.00034	.00023

RUN NO. 132/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.502	-4.260	-.19170	.15610	.02770	.00370	.00080	.00080	-.17950	.16990	.04300
1.500	-2.190	-.08780	.15390	.00800	.00320	.00070	.00070	-.08190	.15720	.04160
1.500	-.050	.02250	.15210	-.01300	.00310	.00060	.00080	.02270	.15210	.04110
1.499	2.060	.12460	.14970	-.03190	.00340	.00050	.00090	.11850	.15410	.04100
1.501	4.220	.22890	.14620	-.05090	.00370	.00060	.00100	.21750	.16270	.04040
1.500	6.290	.33290	.14290	-.06780	.00380	.00070	.00060	.31530	.17850	.04090
1.499	8.440	.43270	.14110	-.08000	.00450	.00070	.00070	.40730	.20310	.04270
1.501	10.520	.53480	.14030	-.09500	.00510	.00040	.00050	.50020	.23570	.04380
1.501	12.660	.63240	.13880	-.10860	.00810	-.00020	-.00070	.58650	.27410	.04590
1.500	14.800	.74060	.13710	-.12330	.00620	.00080	.00080	.68110	.32170	.04570
	GRADIENT	.04964	-.00113	-.00929	.00001	-.00003	.00003	.04688	-.00081	-.00027

ARC 66-709 OA53 OA11A-(N24) (REF023) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

BETA = .000 ELEVON = .000
BDFLAP = 16.360 SPDBRK = 25.000

RUN NO. 131/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.002	-4.740	-.16420	.13370	-.00230	.00590	.00080	.00040	-.17250	.14850	.02110
2.000	-2.660	-.10330	.13240	-.01070	.00550	.00070	.00050	-.09700	.13710	.02170
2.000	-.600	-.02110	.13100	-.02100	.00540	.00080	.00050	-.01970	.13120	.02180
2.000	1.540	.05870	.12950	-.03210	.00530	.00080	.00050	.05520	.13100	.02230
1.997	3.620	.13660	.12740	-.04270	.00670	.00060	.00060	.12830	.13560	.02250
1.998	5.740	.21640	.12410	-.05180	.00640	.00060	.00070	.20290	.14510	.02220
2.001	7.850	.29300	.12210	-.05920	.00710	.00060	.00070	.27360	.16100	.02240
2.001	9.890	.36760	.11950	-.06420	.00730	.00070	.00070	.34170	.18090	.02240
2.000	12.020	.44870	.11630	-.06730	.00790	.00070	.00100	.41460	.20720	.02220
2.000	14.110	.53130	.11390	-.07180	.00820	.00080	.00120	.48750	.24000	.02280
	GRADIENT	.03841	-.00074	-.00489	.00008	-.00001	.00002	.03603	-.00150	.00016

ARC 66-709 OA59 OA11A-(N24) (RER024) (13 JUN 74)

REFERENCE DATA

SREF = .6033 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BCFLAP = -11.700 SPDBRK = 25.000

RUN NO. 150/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.600	-5.290	.44450	.02420	.04390	.11000	-.01020	.01110	.43300	.10320	.03640
.599	-3.240	.44050	.02540	.04670	.07130	-.00670	.00630	.42890	.10360	.03520
.599	-1.210	.44010	.02600	.04940	.03570	-.00330	.00150	.42840	.10410	.03570
.600	-.700	.44150	.02570	.04970	.02460	-.00240	.00050	.42980	.10410	.03490
.600	-.150	.44040	.02620	.05030	.01630	-.00150	-.00110	.42860	.10430	.03530
.600	.290	.44050	.02560	.04990	.00620	-.00080	-.00210	.42890	.10380	.03440
.601	.830	.44140	.02530	.04910	-.00340	.00010	-.00320	.42980	.10360	.03460
.599	1.880	.44430	.02500	.04870	-.02140	.00210	-.00540	.43280	.10380	.03430
.600	2.910	.44380	.02380	.04660	-.04090	.00380	-.00830	.43250	.10260	.03400
.601	4.240	.44670	.02270	.04460	-.06480	.00670	-.01190	.43559	.10210	.03470
.599	5.230	.45230	.02170	.04330	-.08350	.00850	-.01430	.44120	.10210	.03380
	GRADIENT	.00088	-.00040	-.00040	-.01826	.00177	-.00240	.00095	-.00024	-.00016

RUN NO. 149/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.797	-4.730	.46570	.05720	.04120	.10780	-.01070	.00990	.44780	.14010	.03760
.801	-2.650	.46490	.05820	.04440	.06190	-.00590	.00540	.44680	.14090	.03670
.800	-.580	.46390	.05930	.04650	.02000	-.00170	.00100	.44560	.14180	.03600
.799	-.100	.46510	.05850	.04700	.00960	-.00080	.00030	.44690	.14120	.03560
.799	.390	.46320	.05750	.04640	-.00030	.00010	-.00100	.44520	.13990	.03520
.799	.990	.46570	.05790	.04700	-.01080	.00120	-.00230	.44770	.14080	.03560
.800	1.430	.46450	.05870	.04640	-.01700	.00170	-.00310	.44630	.14140	.03530
.799	2.410	.46550	.05780	.04560	-.03890	.00410	-.00540	.44750	.14060	.03600
.800	4.440	.46650	.05560	.04340	-.07910	.00850	-.00990	.44880	.13870	.03540
.799	5.520	.46930	.05590	.04030	-.10360	.01100	-.01240	.45160	.13950	.03730
	GRADIENT	.00008	-.00013	.00029	-.02022	.00205	-.00215	.00010	-.00011	-.00023

ARC 66-709 OA59 OA11A-(N24) (RER024) (13 JUN 74)

REFERENCE DATA

SREF = .6053 SQ.FT. XMRP = 12.0255 IN.
LREF = .9935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700 SPDBRK = 25.000

RUN NO. 148/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
.900	-4.560	.48280	.08520	.02470	.10810	-.01130	.01160	.45950	.17100	.04090
.897	-2.510	.47450	.08390	.03310	.06110	-.00640	.00640	.45150	.16810	.03760
.902	-.490	.49490	.08410	.02560	.01850	-.00250	.00100	.47150	.17220	.03780
.900	.080	.49750	.08470	.02330	.00580	-.00130	-.00060	.47400	.17330	.03750
.902	.510	.49200	.08390	.02600	-.00010	-.00060	-.00140	.46880	.17140	.03800
.898	1.030	.48950	.08310	.02670	-.01410	.00100	-.00320	.46640	.17020	.03620
.901	1.540	.48740	.08210	.02810	-.02245	.00180	-.00410	.46460	.16870	.03600
.900	2.550	.49130	.08260	.02730	-.04465	.00390	-.00560	.46830	.17000	.03700
.900	3.570	.49380	.08120	.02480	-.06645	.00640	-.00820	.47100	.16910	.03620
.900	4.580	.48610	.08080	.03010	-.09250	.00940	-.01060	.46360	.16710	.03710
.901	5.630	.48760	.08160	.02600	-.11380	.01140	-.01330	.46490	.16820	.03910
	GRADIENT	.00107	-.00049	.00006	-.02153	.00220	-.00242	.00114	-.00028	-.00040

RUN NO. 147/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.198	-4.500	.58550	.13190	-.05130	.07930	-.00370	.00930	.55140	.23680	.05370
1.199	-2.440	.58450	.13140	-.05160	.04540	-.00190	.00490	.55060	.23610	.05250
1.199	-.410	.58960	.13130	-.05320	.00875	.00060	.00070	.55560	.23700	.05220
1.200	.080	.58840	.13090	-.05290	.00050	.00110	-.00030	.55450	.23630	.05200
1.200	.600	.58920	.13050	-.05160	-.00760	.00150	-.00130	.55540	.23620	.05180
1.200	1.080	.58850	.13020	-.05170	-.01580	.00220	-.00260	.55470	.23570	.05160
1.200	1.640	.58590	.13000	-.05100	-.02420	.00295	-.00370	.55230	.23500	.05180
1.200	2.640	.58440	.13030	-.04950	-.04170	.00420	-.00590	.55070	.23500	.05130
1.198	3.630	.58320	.13070	-.04930	-.05820	.00510	-.00820	.54950	.23510	.05250
1.198	4.690	.58300	.13100	-.04910	-.07410	.00590	-.01080	.54920	.23550	.05270
1.199	5.670	.58090	.13220	-.04870	-.09150	.00680	-.01280	.54700	.23620	.05400
	GRADIENT	-.00031	-.00014	.00033	-.01681	.00109	-.00217	-.00027	-.00020	-.00012

ARC 66-709 OA59 OA11A-(N24) (RERO24) (13 JUN 74)

REFERENCE DATA

SREF = .6055 SQ.FT. XMRP = 12.6255 IN.
LREF = .5935 FT. YMRP = .0000 IN.
BREF = 1.1710 FT. ZMRP = -.3750 IN.
SCALE = .0150

PARAMETRIC DATA

ALPHA = 10.000 ELEVON = .000
BDFLAP = -11.700 SPOBRK = 25.000

RUN NO. 146/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
1.500	-4.650	.48700	.13010	-.05280	.07620	.00040	.00520	.45520	.21650	.04260
1.497	-2.620	.49260	.13160	-.05200	.04710	-.00010	.00150	.46050	.21900	.04320
1.498	-.570	.49240	.13130	-.05360	.01140	.00110	-.00090	.46030	.21860	.04290
1.498	-.100	.49420	.13100	-.05350	.00350	.00130	-.00100	.46210	.21870	.04280
1.499	.420	.49470	.13080	-.05400	-.00440	.00150	-.00170	.46260	.21860	.04240
1.497	.960	.49720	.13060	-.05300	-.01250	.00180	-.00220	.46510	.21890	.04260
1.498	1.440	.49560	.13030	-.05260	-.01950	.00200	-.00270	.46360	.21830	.04210
1.498	2.480	.49440	.13020	-.05300	-.03610	.00250	-.00400	.46250	.21800	.04180
1.498	3.500	.49220	.13030	-.05330	-.05190	.00290	-.00520	.46030	.21770	.04180
1.500	4.520	.49050	.13010	-.05340	-.06850	.00270	-.00710	.45870	.21710	.04210
1.500	5.530	.49150	.13010	-.05160	-.08440	.00280	-.00880	.45970	.21730	.04220
	GRADIENT	.01039	-.00008	-.00009	-.01587	.00034	-.00125	.00040	-.00001	-.00013

RUN NO. 145/ 0 RN/L = 2.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLMFWD	CY	CYN	CBL	CL	CD	CAB
2.002	-4.180	.35800	.11290	-.03620	.06440	.00150	.00450	.33190	.17530	.02380
2.002	-2.170	.35580	.11340	-.03610	.03250	.00110	.00200	.32960	.17550	.02390
2.000	-.080	.35620	.11220	-.03530	.00090	.00030	-.00060	33030	.17430	.02290
1.997	.400	.35400	.11180	-.03590	-.00490	.00030	-.00120	.32820	.17350	.02310
1.997	.910	.35800	.11280	-.03650	-.01230	.00020	-.00160	.33190	.17530	.02320
1.993	1.420	.35490	.11350	-.03730	-.01900	.00000	-.00210	.32880	.17530	.02390
1.996	1.930	.35760	.11420	-.03680	-.02690	-.00010	-.00280	.33130	.17650	.02450
1.999	2.960	.35780	.11400	-.03700	-.04170	-.00050	-.00410	.33150	.17640	.02440
2.004	3.960	.35670	.11330	-.03670	-.05650	-.00060	-.00520	.33060	.17550	.02420
2.001	5.000	.36140	.11260	-.03530	-.07450	-.00080	-.00660	.33530	.17560	.02430
2.001	5.960	.35940	.11230	-.03640	-.08840	-.00090	-.00790	.33340	.17500	.02470
	GRADIENT	.00028	.00005	-.00003	-.01486	-.00026	-.00119	.00027	.00010	.00009