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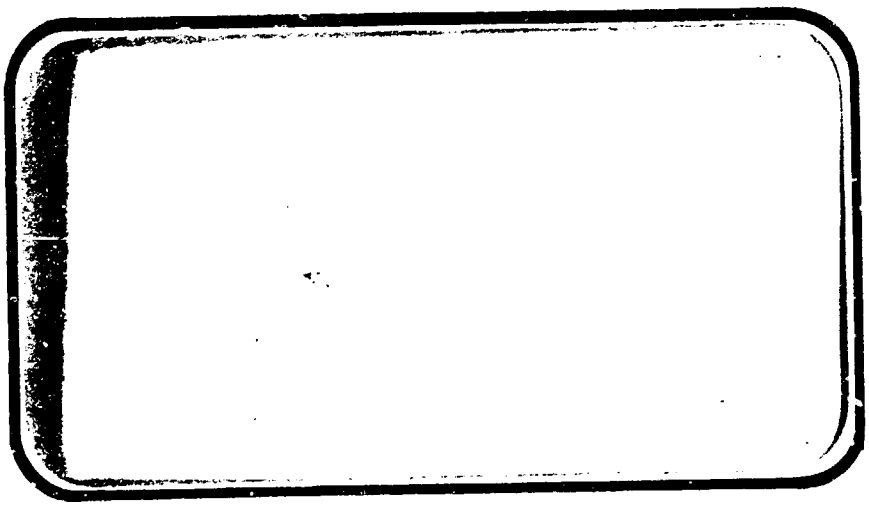

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

September, 1973

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SURFACE ROUGHNESS EFFECTS ON THE SUBSONIC AERODYNAMICS OF THE ROCKWELL INTERNATIONAL 089B-139B ORBITER

By

George M. Ware & Bernard Spencer, Jr., NASA/LaRC

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

WING TUNNEL TEST SPECIFICS:

Test Numbers:	LaRC LTPT 130 and 135
NASA Series No.:	LA-9
Test Dates:	4/26 - 5/7/73 and 5/2[illegible] - 5/3[illegible]/73; 128 occ. hrs.

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SURFACE ROUGHNESS EFFECTS ON THE SUBSONIC AERODYNAMICS OF THE ROCKWELL INTERNATIONAL 089B-139B ORBITER

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SUMMARY

An experimental test program has been conducted to determine the effects of vehicle surface roughness on the subsonic aerodynamic characteristics of a 0.01875 scale model of a Rockwell International Space Shuttle Configuration. Surface roughness was simulated by applying a sparce coating of carborundum grit to the complete model. Various grit sizes were investigated. Tests were conducted in the Langley Low Turbulence Pressure Tunnel at a constant nominal Mach number of 0.25 with Reynolds number varying from 2 to 12 x 10^6 per foot. Angle of attack was varied from about -2° to 28° at 0° and 6° angle of sideslip.

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Effect of Roughness on Lateral-Directional Characteristics ($\delta_e = 0^o$)	B	111-126
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Typical Base Pressure Coefficients (K/L = 0)	C	135-140
Typical Base Pressure Coefficients (K/L = 6.82×10^{-4})	C	141-143

TITLE	COEFFICIENTS PLOTTED SCHEDULE	PAGES
Typical Base Pressure Coefficients with Roughness ($\delta_e = 0^o$)	C	145-148
Typical Base Pressure Coefficients with Roughness ($\delta_e = 10^o$)	C	149-152

COEFFICIENTS PLOTTED SCHEDULE:

A) CL, CN, CLM, L/D, CD, CA vs. ALPHA
CD vs. CL; CL, CN vs. CLM

B) DCY/DB, DCYNDB, DCBLDB, CY, CYN, CBL vs. ALPHA

C) CPB1, CPB2, CPB3, CPB4 vs. ALPHA

NOMENCLATURE
General

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

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

NOMENCLATURE (Continued)

Body-Axis System

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

Stability-Axis System

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

NOMENCLATURE (CONCLUDED)

ADDITIONS TO STANLARD LIST

SYMBOL	PLOT SYMBOL	DEFINITION
δ_e	ELEVTR	elevon deflection angle for pitch control; positive deflection trailing edge down, degrees.
δ_{RF}	RUDFLR	split-rudder deflection angle for speed control; positive deflection trailing edges outboard, included angle, degrees
C_{Y_β}	DCY/DB	side force coefficient derivative with beta, $\partial C_Y/\partial\beta$, per degree
C_{n_β}	DCYNDB	yawing moment coefficient derivative with beta, $\partial C_n/\partial\beta$, per degree
C_{ℓ_β}	DCBLDB	rolling moment coefficient derivative with beta, $\partial C_\ell/\partial\beta$, per degree
K	K	surface roughness height
K/ℓ	K/L	ratio of roughness height to model body length
-	GT-LOC	surface roughness (grit) location; 1 - applied over complete model 2 - applied in strips on lifting surfaces 3 - applied to only half of model (refer to Test Conditions Section for complete description.)
ℓ	L	model body length

TEST FACILITY DESCRIPTION

The tests were conducted in the Langley Low-Turbulence Pressure Tunnel, which is a variable-pressure, single return facility with a closed rectangular test section that is 0.914 meter (3.00 ft.) wide and 2.290 meter (7.50 ft.) high. The tunnel can accommodate tests in air at low subsonic Mach numbers and at a Reynolds number per unit length up to about 49.2×10^6 per meter (15.0×10^6 per foot).

TEST CONDITIONS

Tunnel conditions existing during the test are summarized in Table I. The model was sting supported, with aerodynamic forces and moments measured by an internally mounted six-component strain gage balance. Model angle of attack was varied from about -2° to 28° for angles of sideslip of 0° and 6°.

Vehicle surface roughness was simulated by applying a relatively sparce coating of carborundum grit over the complete model. This overall roughness is referred to as acreage roughness (grit location no. 1). Various grit sizes were used to investigate the potential effects of roughness on the subsonic aerodynamic characteristics of the orbiter configuration. For comparison purposes, the model was also tested with no fixed transition, and with transition fixed in the normal manner by thin strips of no. 120 grit .87 inches aft of the leading edge of the wing, vertical tail, and 1.0 inch aft of the nose (grit location no. 2). As a most extreme case, the largest size grit was applied to one-half of the model and the other half was left clean (grit location 3). The grit sizes and the type of application tested are as follows:

GRIT NO.	K, in.	K/ℓ	TYPE	GRIT LOCATION NO.
220	.0029	1.20×10^{-4}	Acreage	1
120	.0049	2.03×10^{-4}	Transition Strips	2
100	.0059	2.44×10^{-4}	Acreage	1
46	.0165	6.82×10^{-4}	Acreage	1
46	.0165	6.82×10^{-4}	Acreage on 1/2	3

CONFIGURATION INVESTIGATED

The configuration tested was a 0.01875 scale model of a blended Rockwell International shuttle configuration. The model consisted of a 089B configuration with a 139B configuration nose forward of F. S. 500. A sketch and a photograph of the model is shown in figures 2 and 3, respectively. Most of the subsonic tests were conducted with the rudder boattailed to form a diamond cross section vertical tail. Elevon deflections of 0° and -10° were tested. Table II gives a complete summary of the configurations investigated while Table III gives pertinent dimensional information for all model components.

DATA REDUCTION

A LaRC 832-B six-component strain gage balance was used to measure model aerodynamic forces and moments. All final data were presented along a set of body and stability axis passing through the nominal center of gravity located at F.S. 1076.48 or 65 percent of the body length (see

figure 2). Model data were converted to standard NASA coefficients using the following constants.

Reference Area, S_{ref} = wing planform area = 0.9457 ft.^{2}

Reference Length, $\bar{c}_{ref}$ = wing mean areodynamic chord = 8.9025 in.

Reference Span, b_{ref} = wing span = 17.5628 in.

Vehicle surface roughness was nondimensionalized by the model body length ℓ = 24.193 in. The drag data presented herein is gross drag in that base drag is included. Tabulated and plotted base pressure coefficients are presented however, if corrections are desired.

TABLE I. - TEST CONDITIONS

TEST : LTPT 130 & 135 DATE : May, [illegible]

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.25	2×10^6	.9[illegible]	95°
0.25	4×10^6	1.597	95°
0.25	6×10^6	2.375	95°
0.25	8×10^6	3.090	95°
0.25	10×10^6	3.938	95°
0.25	12×10^6	4.201	95°

BALANCE UTILIZED: 832-B

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	1000 lb	±5 lb	
SF	250 lb	±1.25 lb	
AF	85 lb	± .43 lb	
PM	2000 in-lb	±10.00 in-lb	
RM	1000 in-lb	± 5.00 in-lb	
YM	500 in-lb	± 2.50 in-lb	

COMMENTS:

TEST: LARC LTPT-130 & 135

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. PARAMETERS/VALUES α	β	δ_e	δ_{RF}	GRIT LOC	GRIT SIZE	NO. OF RUNS	NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) $\times 10^6$/FT 2	4	6	8	10	12
RP7001	ØRB. 009B W/MOD. NOSE	A	0	0	0	-	-	ØN	6	5	4	1	2	3
15		↓	6	0	↓	-	-	↓	62	63	64	65		
06		↓	0	-10		-	-		27	28	29	31		
18		C	↓	0		1	1.20		114	115	116	117	118	119
07		A		↓		↓	↓		32	34	35	36		
08		B	↓						33					
11		A	6				↓		49	48	47	46		
19		C	0				2.49		120	121	122	123	124	125
05		A	0				↓		26	25	24	23		
14		↓	6				↓		61	60	59	58		
02			0				6.82		10	9	8	7		
12			6	↓			↓		50	51	52	53		
03			0	-10			↓	↓	13	12	11			
09			0	0			1.20	ØFF	37	38	39	40		
10		↓	6	↓		↓	1.20	ØFF	45	44	43	42		
16		C	0		↓	2	2.03	ØN	101	102	103	104	105	106
17		C	0		10	2	2.03	↓	113	112	110	108		
04		A	0	↓	0	3	6.82	↓	19	20	21	22		
13		A	6	0	0	3	6.82	ØN	57	56	55	54		

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 73 76

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

COEFFICIENTS

A) -2° TO 22°, $\Delta\alpha = 2^\circ$

B) 22° TO -2°, $\Delta\alpha = 2^\circ$

C) -2° TO 26°, $\Delta\alpha = 2^\circ$

NOTE: ALL RUN NUMBERS ABOVE 100 INDICATE LTPT 135 RUNS.

GRIT LOCATION CODE:

1. GRIT ON ENTIRE MODEL
2. GRIT ON NOSE & LDG. EDGE
3. GRIT ON RIGHT WING ONLY

TABLE III.
MODEL COMPONENT DIMENSIONAL DATA

MODEL COMPONENT: BODY - 089B-139B(Modified Nose)

GENERAL DESCRIPTION: Nose section from full-scale station 238.0 to STA. 500 from NAR drawing VL70-000139B. Remaining body AFT of STA 500 from NAR drawing VL70-000093

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	.01875 MODEL SCALE
Length	1290.3	24.193
Max. Width	265.0	4.969
Max. Depth	248.0	4.650
Fineness Ratio	4.869	4.869
Area		
Max. Cross-Sectional	456.40	0.1605
Planform		
Wetted		
Base		

TABLE III. (CONTINUED)

MODEL COMPONENT: ELEVON

GENERAL DESCRIPTION: CONFIGURATION PER LINES VL70-000093

DATA FOR (1) OF (2) SIDES

MODEL SCALE = 0.01875

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area	205.517	0.0723
Span (equivalent)	353.34	6.625
Inb'd equivalent chord	114.78	2.152
Outb'd equivalent chord	55.00	1.031
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	.208	.208
At Outb'd equiv. chord	.400	.400
Sweep Back Angles, degrees		
Leading Edge	0.00	0.00
Tailing Edge	-10.02	-10.02
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)- Ft^3	1548.07	0.0102

TABLE III. (CONTINUED)

MODEL COMPONENT: WING

GENERAL DESCRIPTION: Orbiter Configuration per Lines VL70-000093.

NOTE: (Dihedral angle is defined at the lower surface of the wing at the 75.33% element line projected into a plane perpendicular to the FRL).

SCALE MODEL = 0.01875

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area		
Planform	2690.00	0.9457
Wetted	--------	--------
Span (equivalent)	936.68	17.56
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Diehedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	3.000	3.000
Aerodynamic Twist, degrees	+3.000	+3.000
Toe-In Angle		
Cant Angle		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	-10.24	-10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Wing Sta. 0.0)	689.24	12.923
Tip, (equivalent)	137.85	2.585
MAC	474.81	8.903
Fus. Sta. of .25 MAC	1136.89	21.317
W.P. of .25 MAC	299.20	5.610
B.L. of .25 MAC	182.13	3.415
Airfoil Section		
Root		
Tip		
EXPOSED DATA		
Area	1752.29	0.6160
Span, (equivalent)	720.68	13.513
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root	562.40	10.545
Tip	137.85	2.585
MAC	393.03	7.369
Fus. Sta. of .25 MAC	1185.31	22.224
W.P. of .25 MAC	300.20	5.629
B.L. of .25 MAC	143.76	2.700

TABLE III. (CONTINUED)

MODEL COMPONENT: Vertical Tail

GENERAL DESCRIPTION: Centerline vertical tail double wedge airfoil with rounded leading edge.

Scale Model = 0.01875

DRAWING NUMBER: VL70-000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area (theo) ft.^{2}	413.25	0.145
Span (equivalent)	315.72	5.920
Inb'd equivalent chord	268.50	5.034
Outb'd equivalent chord	108.47	2.034
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord		
At Outb'd equiv. chord		
Sweep Back Angles, degrees		
Leading Edge	45	45
Tailing Edge	26.249	26.249
Hingeline		
Area Moment (Normal to hinge line)		

TABLE III. (CONCLUDED)

MODEL COMPONENT: RUDDER

GENERAL DESCRIPTION: CONFIGURATION PER LINES VL70-000095

SCALE MODEL = 0.01875

DRAWING NUMBER: VL70-000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area	106.38	0.0374
Span (equivalent)	201.0	3.769
Inb'd equivalent chord	91.585	1.717
Outb'd equivalent chord	50.833	0.953
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 (Normal to hinge line)-Ft^3	526.125	0.0034

Notes:

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

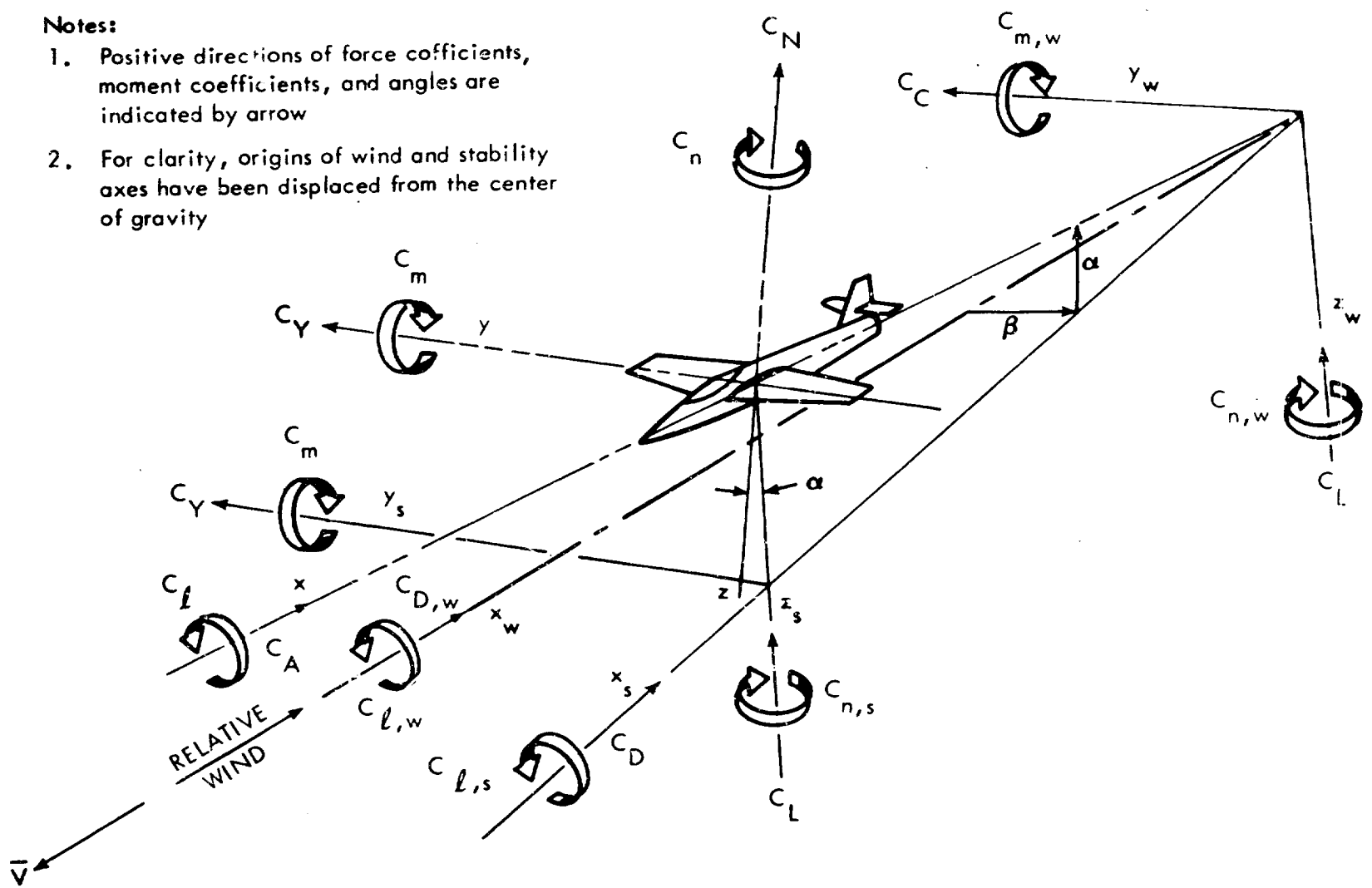
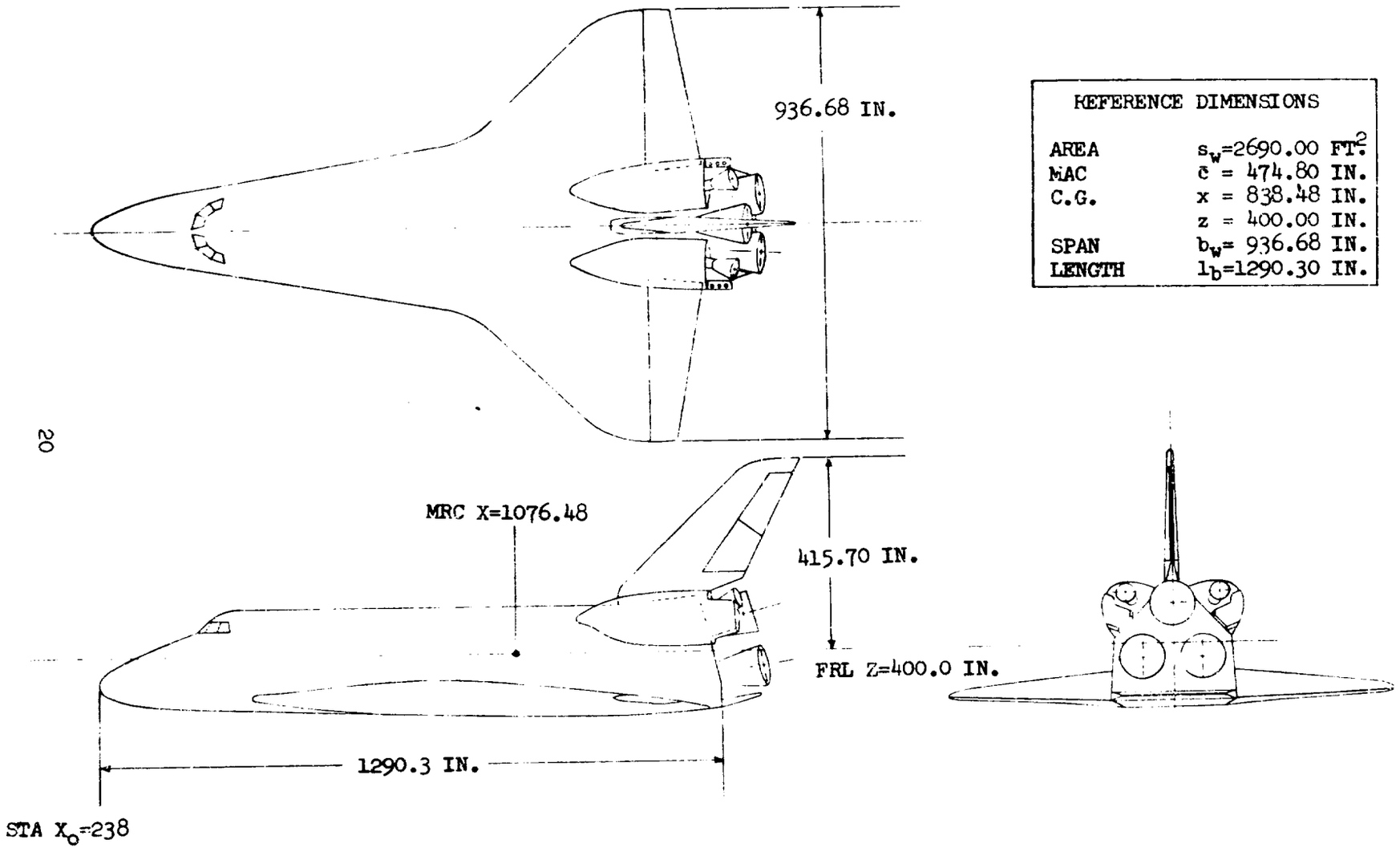


Figure 1. - Axis Systems.



REFERENCE DIMENSIONS	
AREA	s_w=2690.00 FT^2.
MAC	$\bar{c}$ = 474.80 IN.
C.G.	x = 838.48 IN.
	z = 400.00 IN.
SPAN	b_w= 936.68 IN.
LENGTH	l_b=1290.30 IN.

Figure 2. - SSV Orbiter Configuration.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

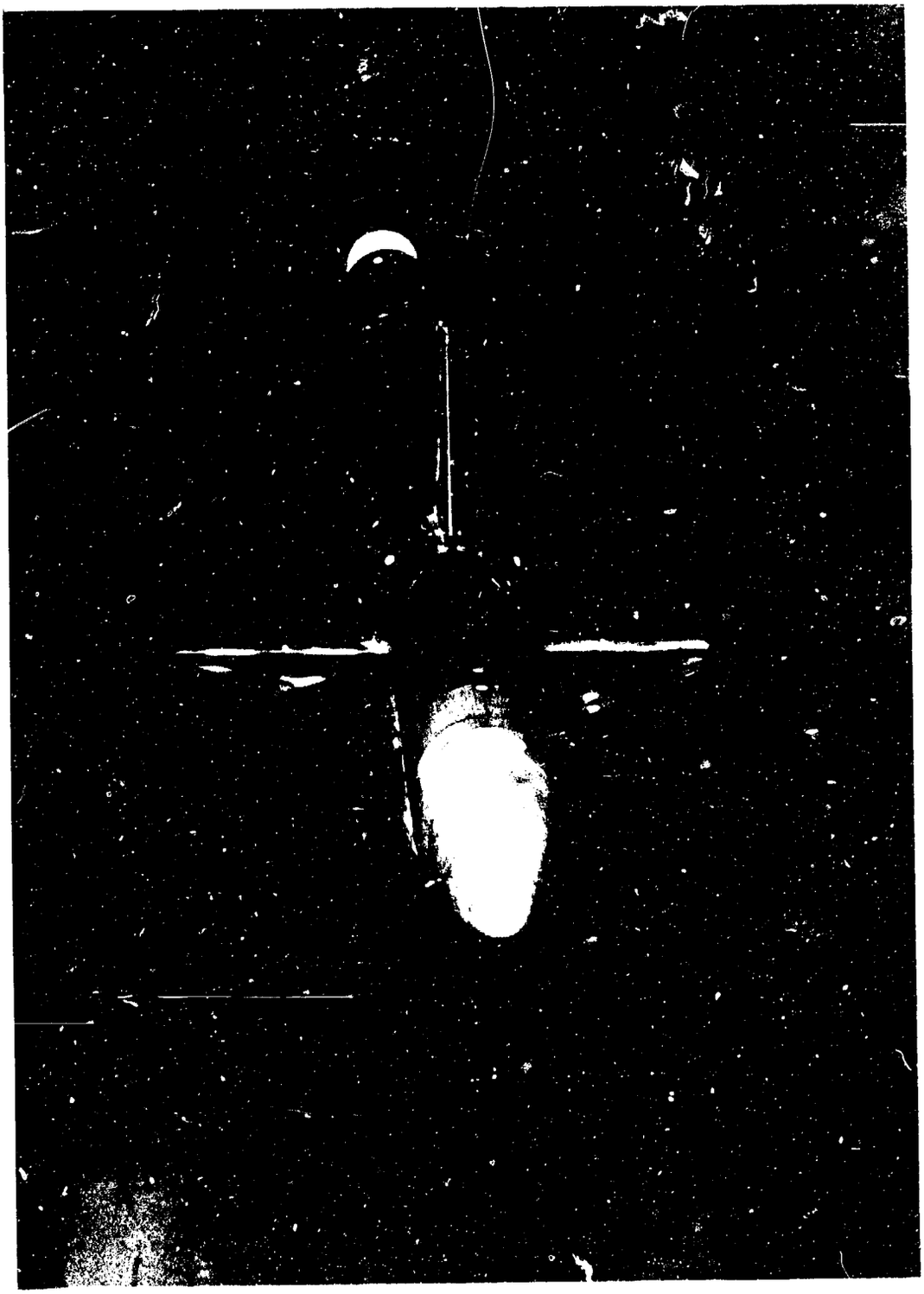


Figure 3. - Photograph of Model.

DATA FIGURES

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7001)

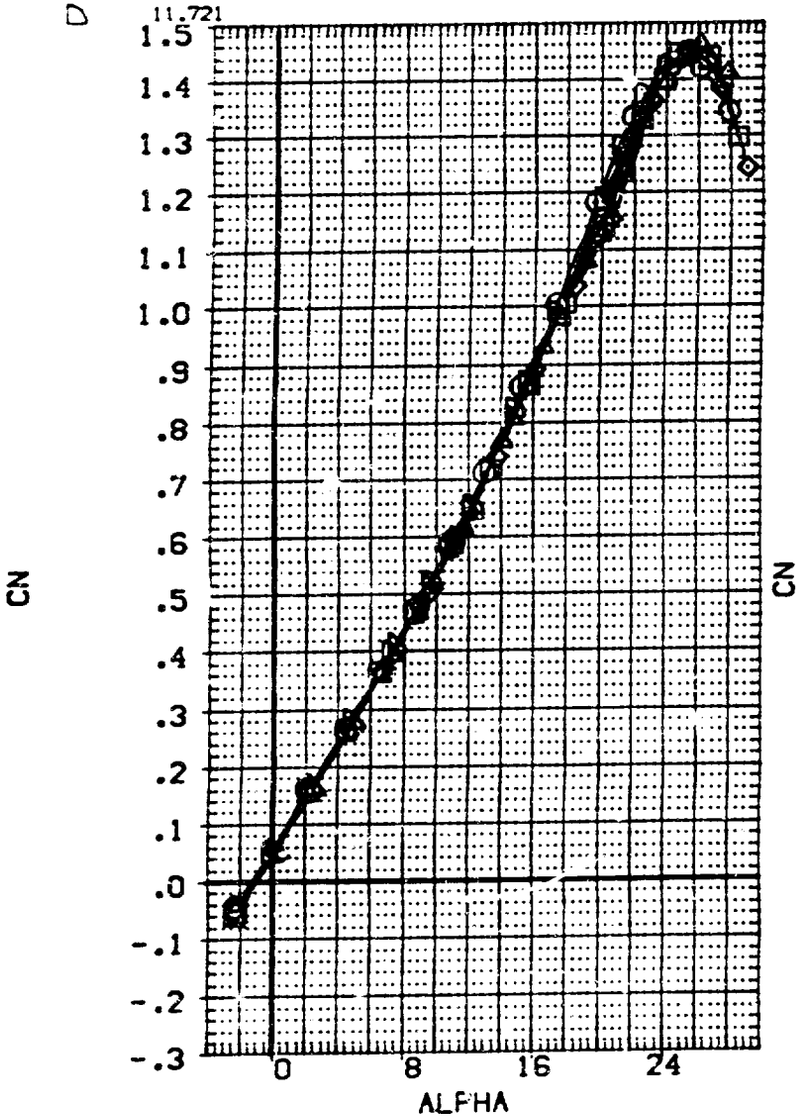
SYMBOL	RN/L
○	2.474
□	4.083
◇	6.023
△	8.344
▽	10.143
▷	11.721

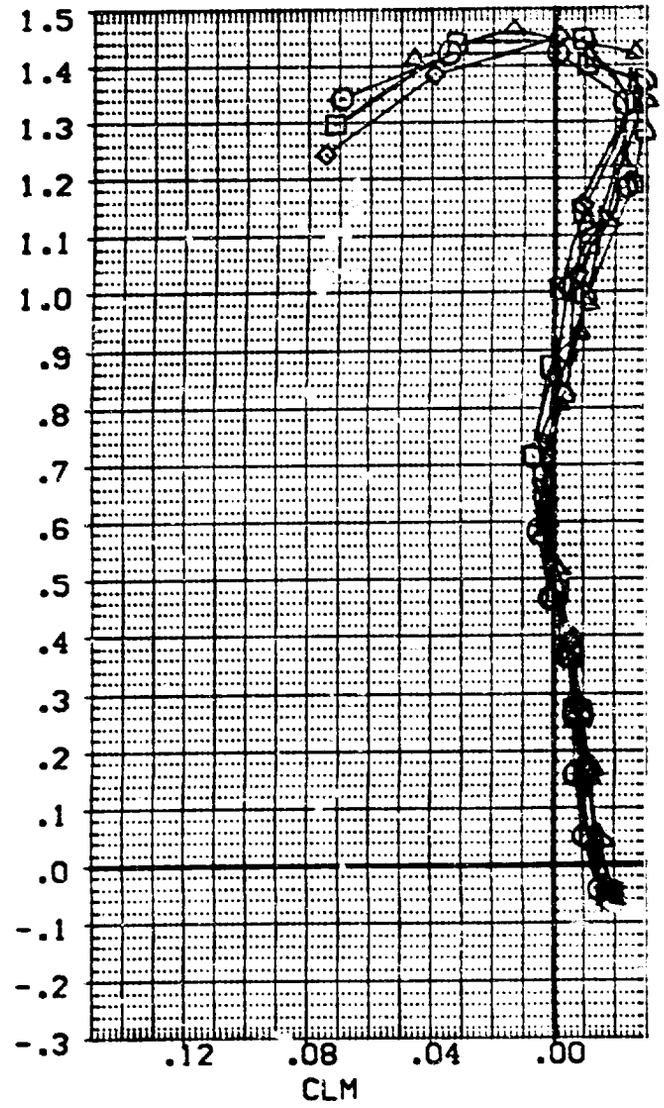
PARAMETRIC VALUES

BETA	.000	MACH	.252
ELEVTR	.000	RUDFLR	.000
GT-LOC	1.000	K/L	.000

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5629	INCHES
XMRP	15.5533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=0) LOC 1

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (RP7001)

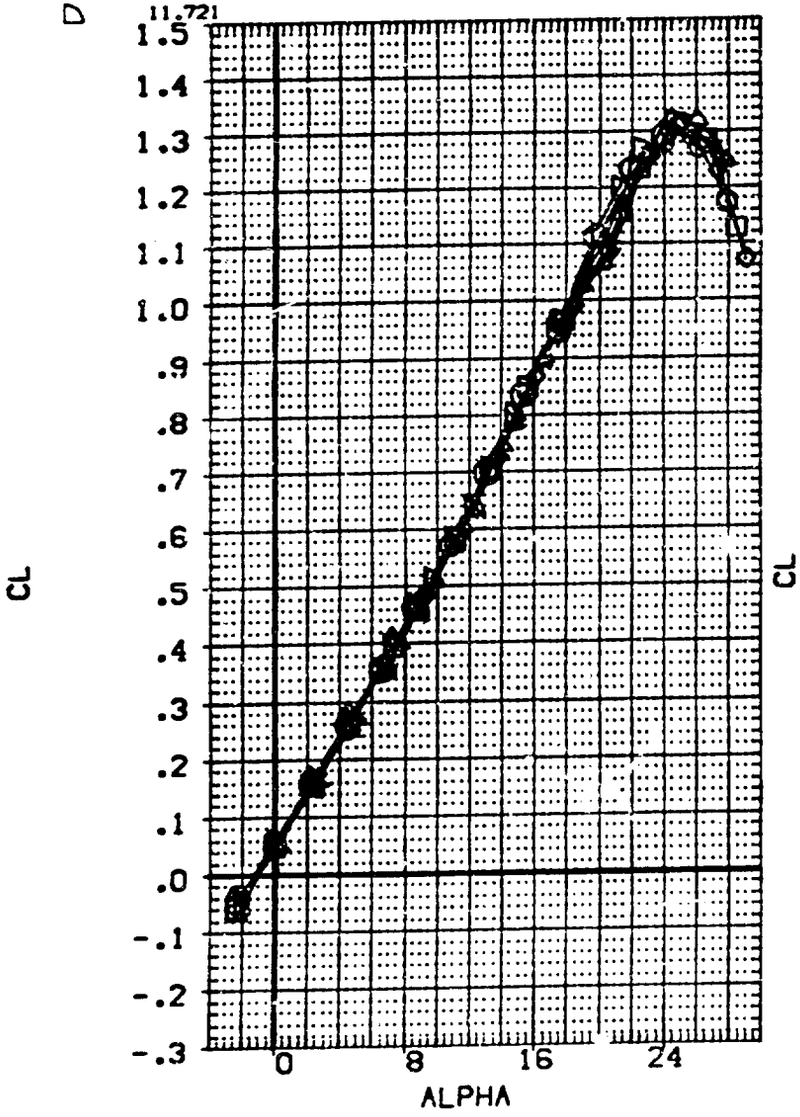
SYMBOL	RN/L
○	2.474
□	4.063
◇	6.023
△	8.344
△	10.143
□	11.721

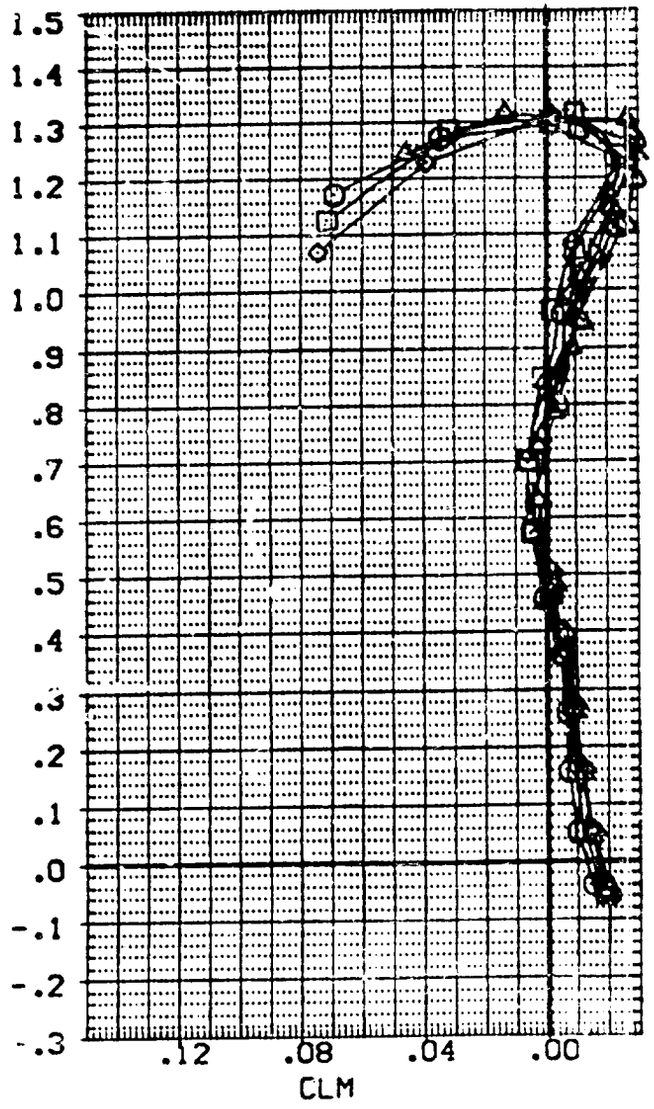
PARAMETRIC VALUES

BETA	.000	MACH	.252
ELEVTR	.000	RUDFLR	.000
GT-LOC	1.000	K/L	.000

REFERENCE INFORMATION

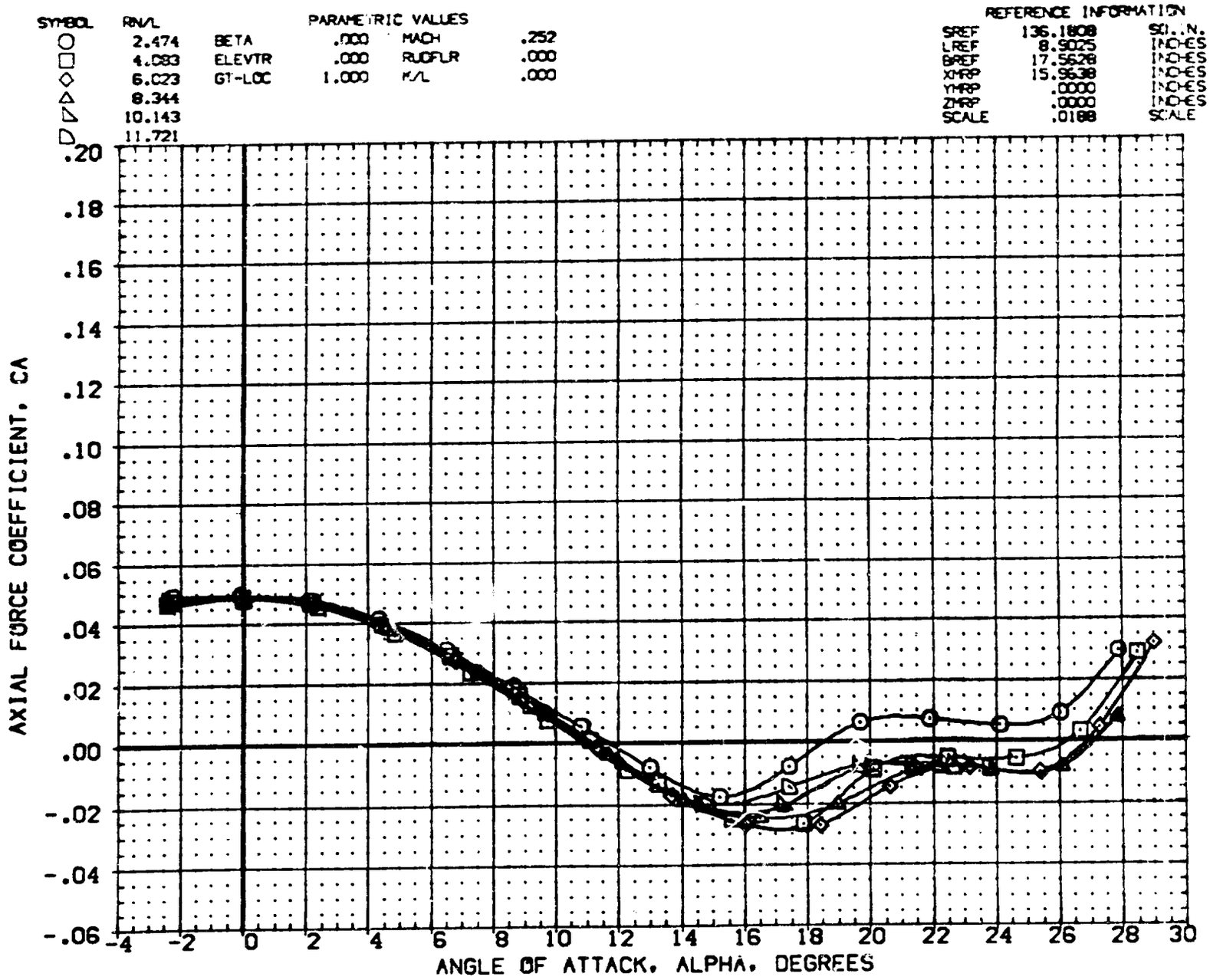
SREF	136.1808	SQ. IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=0) LOC 1

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (RP7001)



EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=0) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (RP7001)

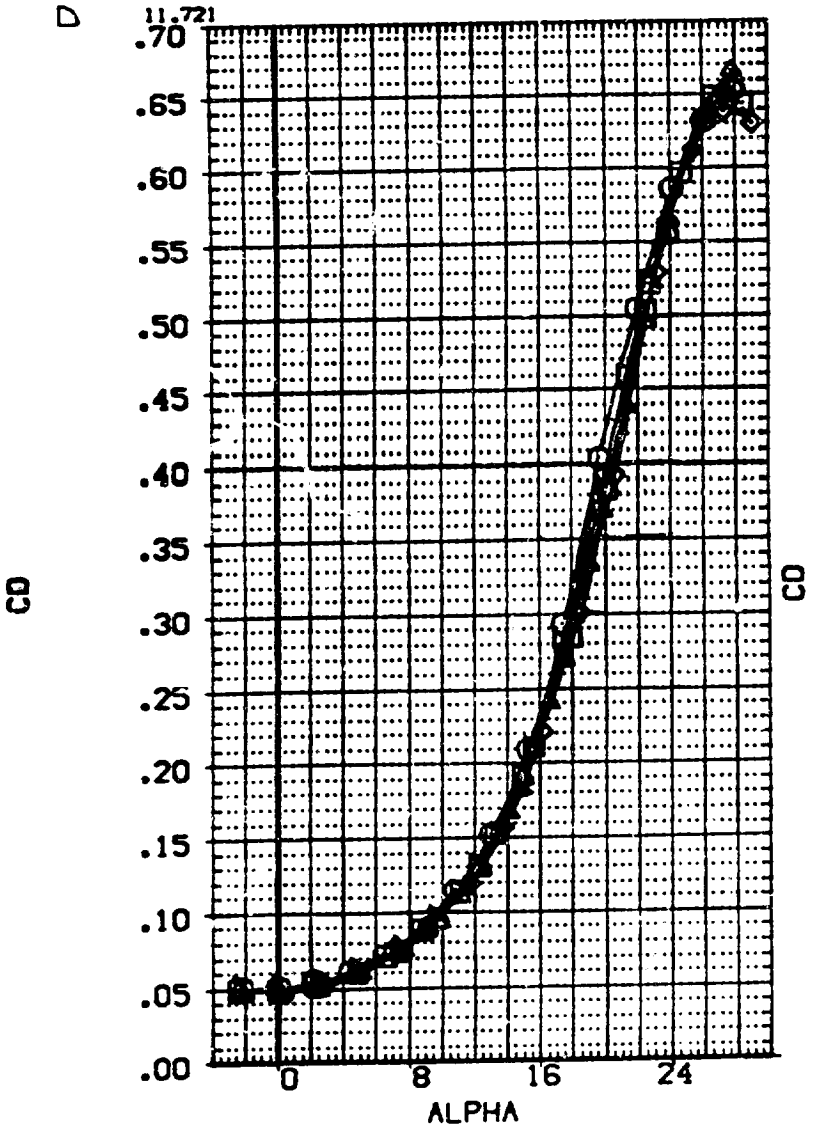
SYMBOL	RN/L
○	2.474
□	4.083
◇	6.023
△	8.344
△	10.143
△	11.721

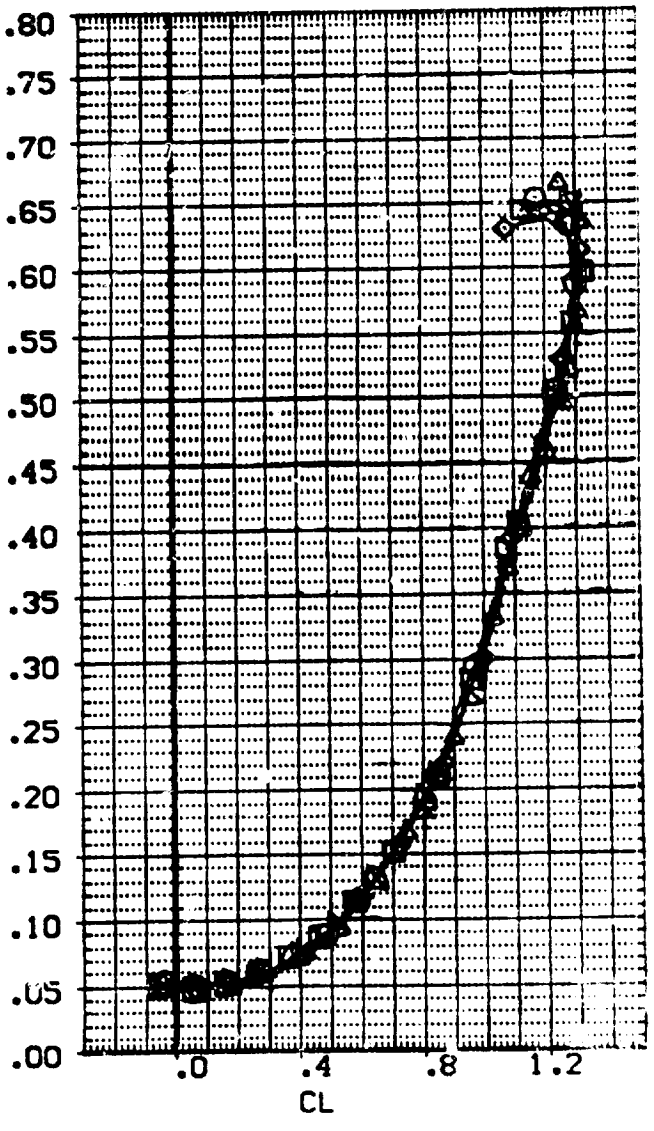
PARAMETRIC VALUES

BETA	.000	MACH		.252
ELEVTR	.000	RUDFLR		.000
GT-LOC	1.000	K/L		.000

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9539	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0198	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=0) LOC 1

LA-9 LARC LTPT 13O NAR 0898-MOD. NOSE -CMS (RP7001)

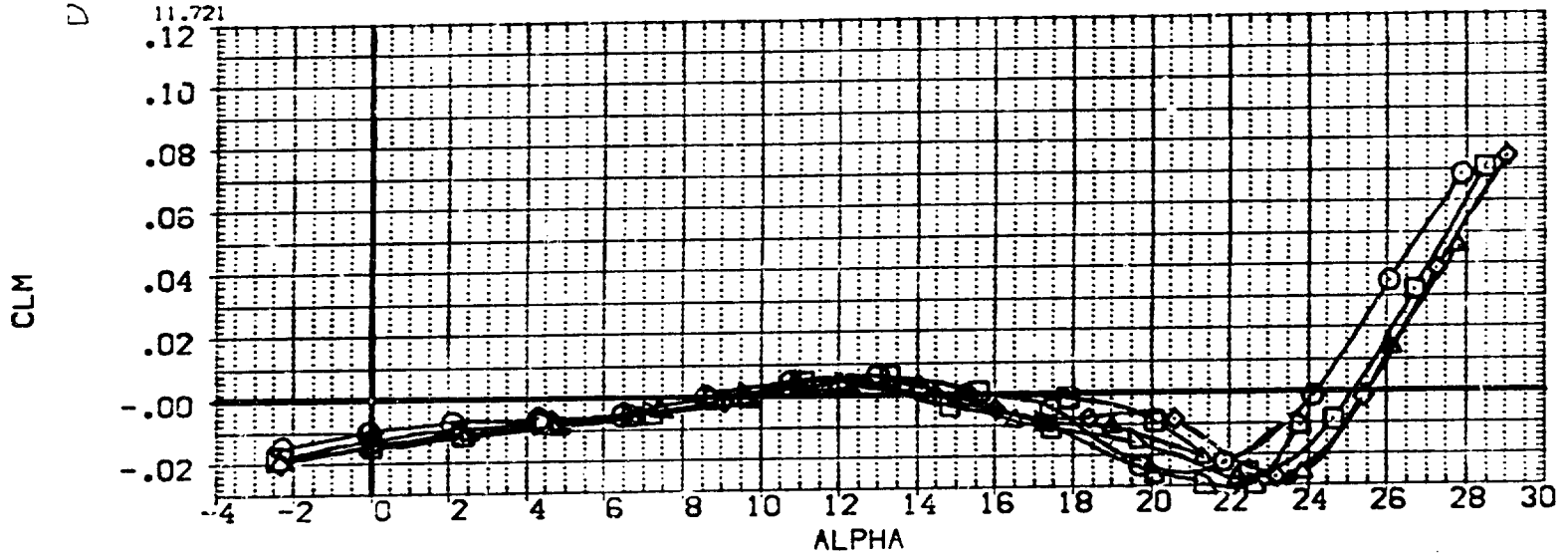
SYMBOL	RN/L
○	2.474
□	4.083
◇	6.023
△	8.344
▽	10.143
◁	11.721

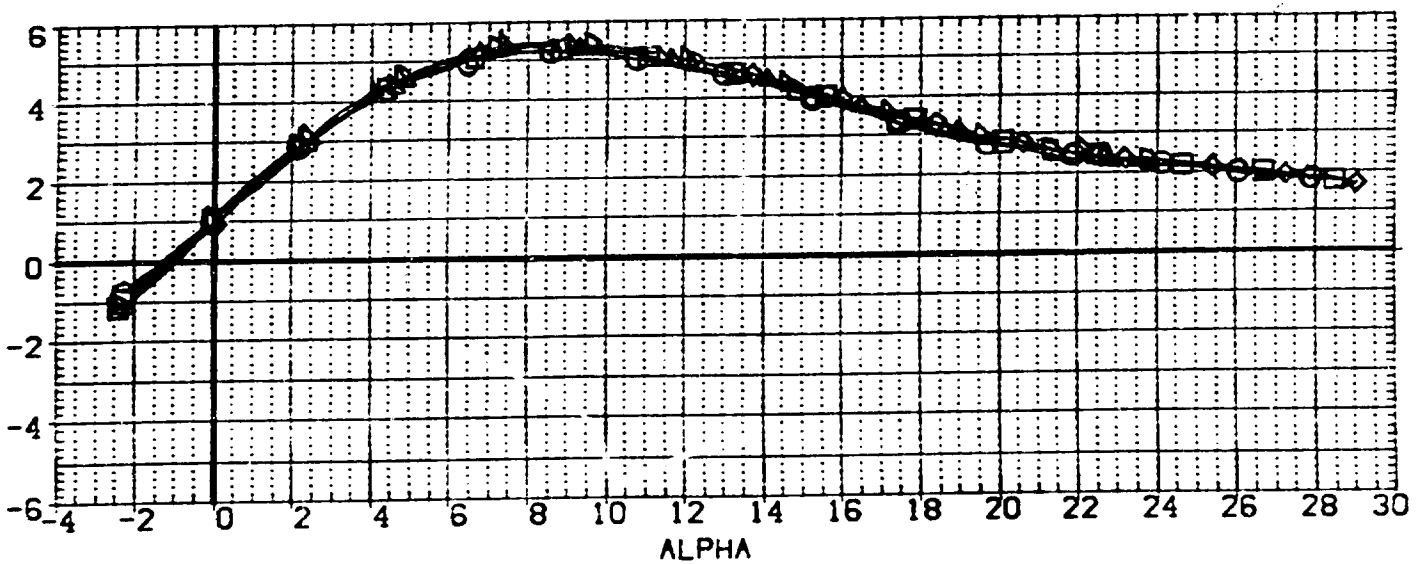
PARAMETRIC VALUES

BETA	.000	MACH	.252
ELEVTR	.000	RUDDLR	.000
GT-LOC	1.000	K/L	.000

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9639	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE





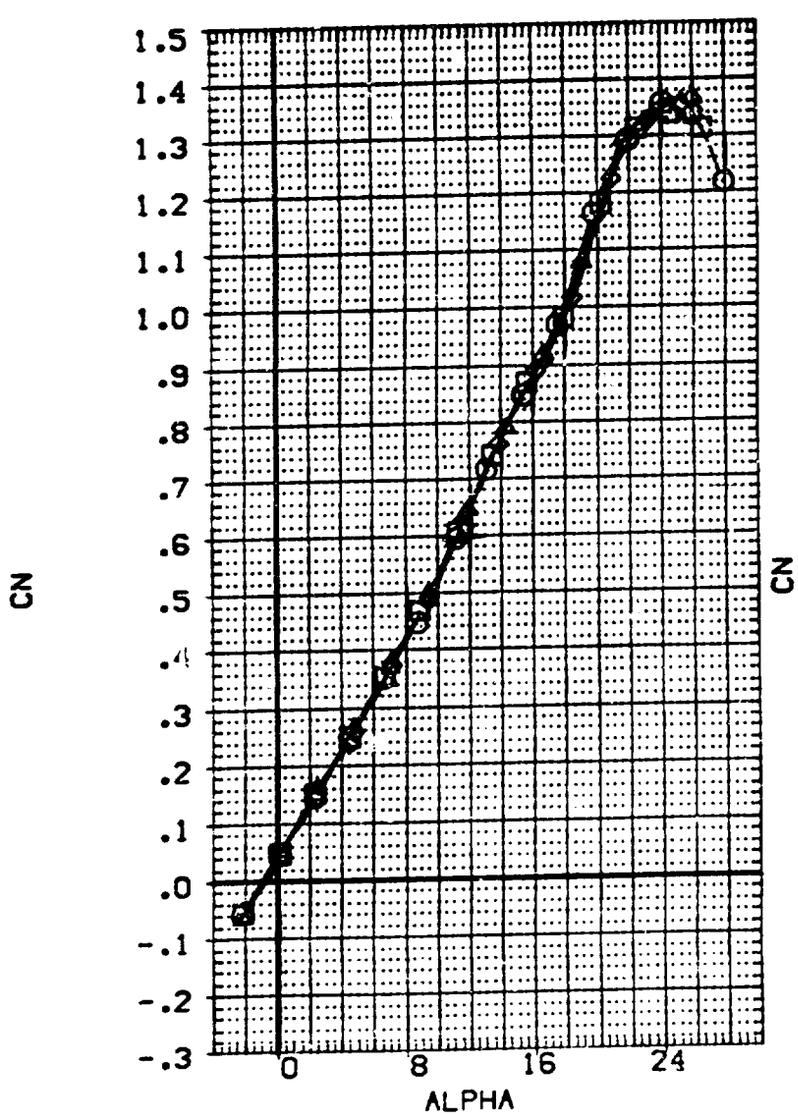
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=0) LOC 1

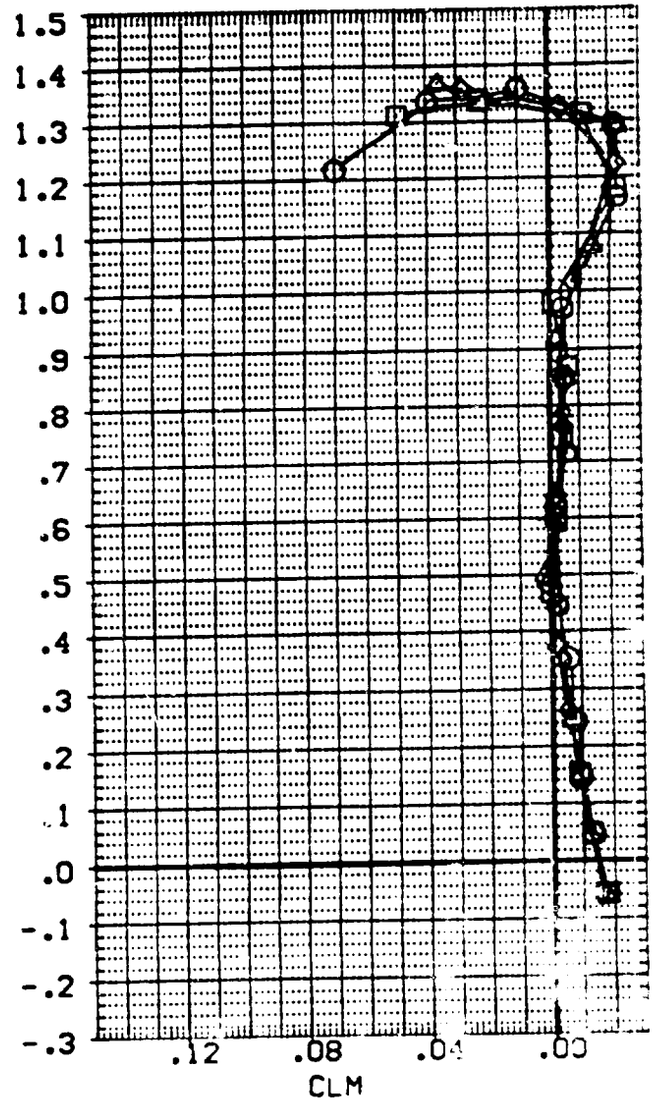
LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7007)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.520	BETA	.000	MACH	.255
◇	4.046	ELEVTR	.000	RUDFLR	.000
△	5.917	GT-LOC	1.000	K/L	1.200
	7.926				

REFERENCE INFORMATION

SREF	136.1808	SQ. IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





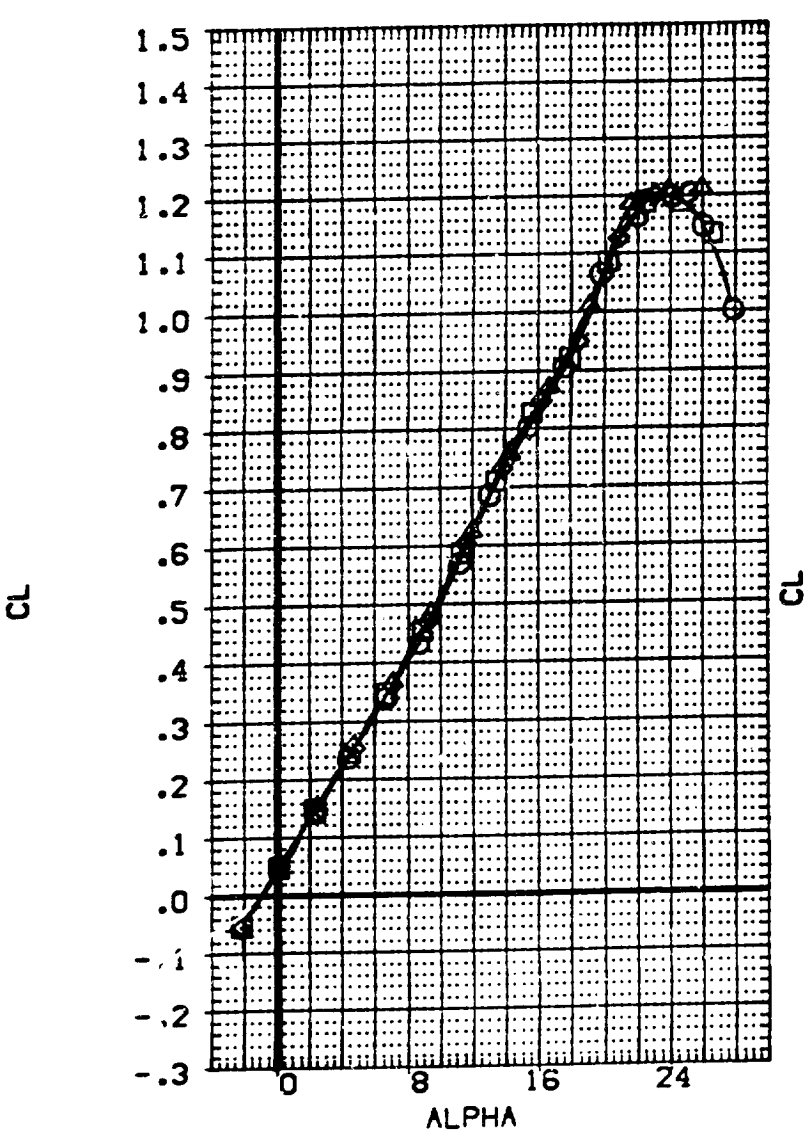
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=1.2X10-4) LOC 1

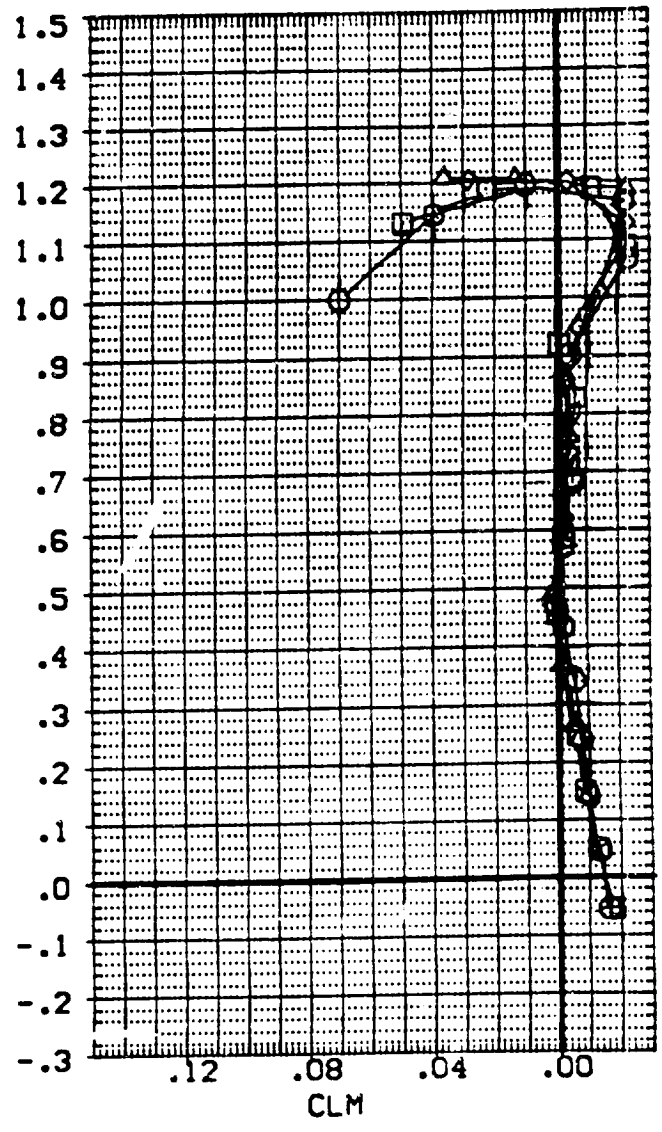
LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7007)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.520	BETA	.000	MACH	.255
□	4.046	ELEVTR	.000	RUDFLR	.000
◇	5.917	GT-LOC	1.000	K/L	1.200
△	7.926				

REFERENCE INFORMATION

SREF	136.1808	SQ. IN.
CLREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=1.2X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7007)

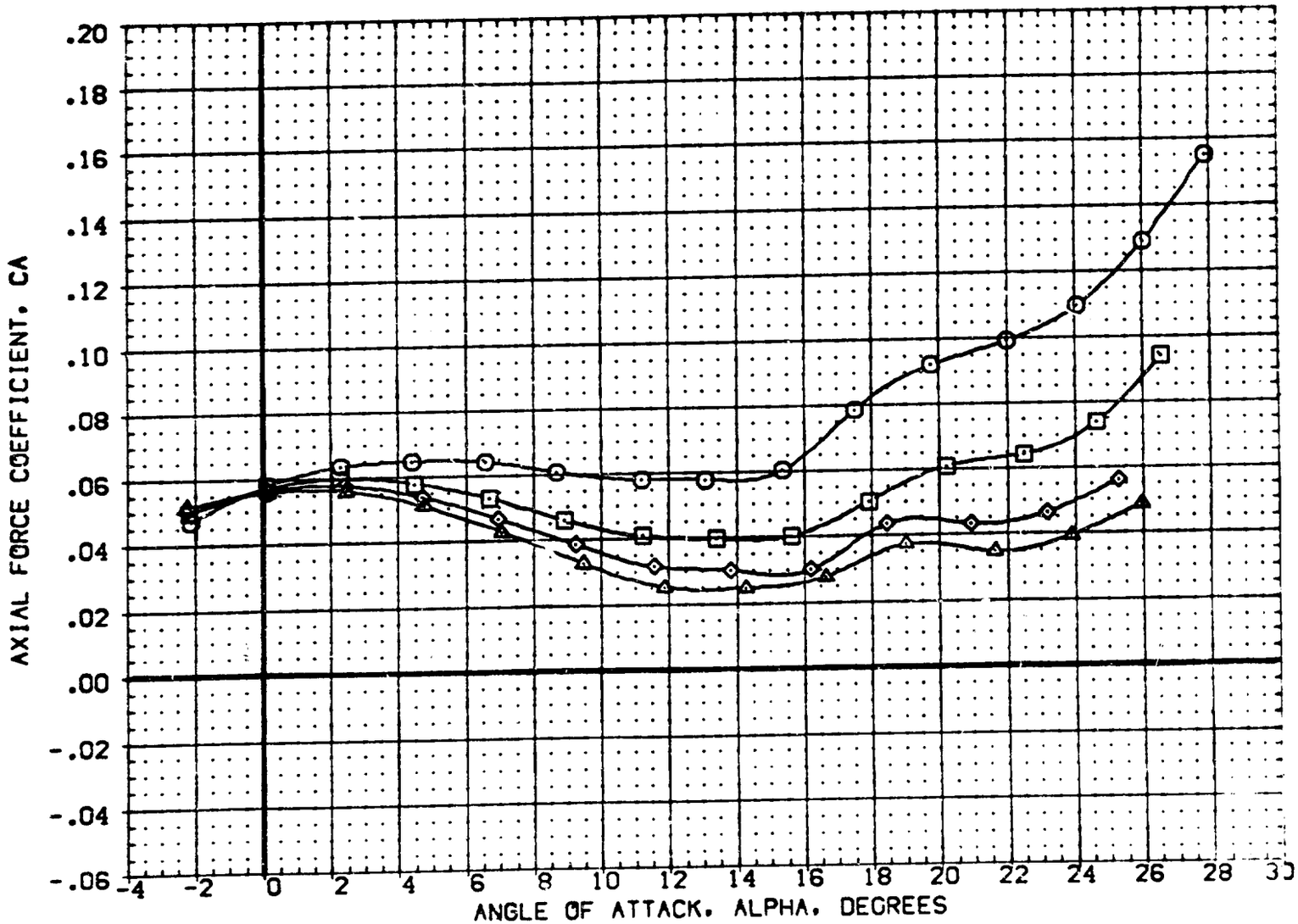
SYMBOL	RN/L
○	2.520
□	4.046
◇	5.917
△	7.926

PARAMETRIC VALUES

BETA	.000	MACH	.255
ELEVTR	.000	RUDFLR	.000
GT-LOC	1.000	K/L	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.8528	INCHES
XMRP	15.8539	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



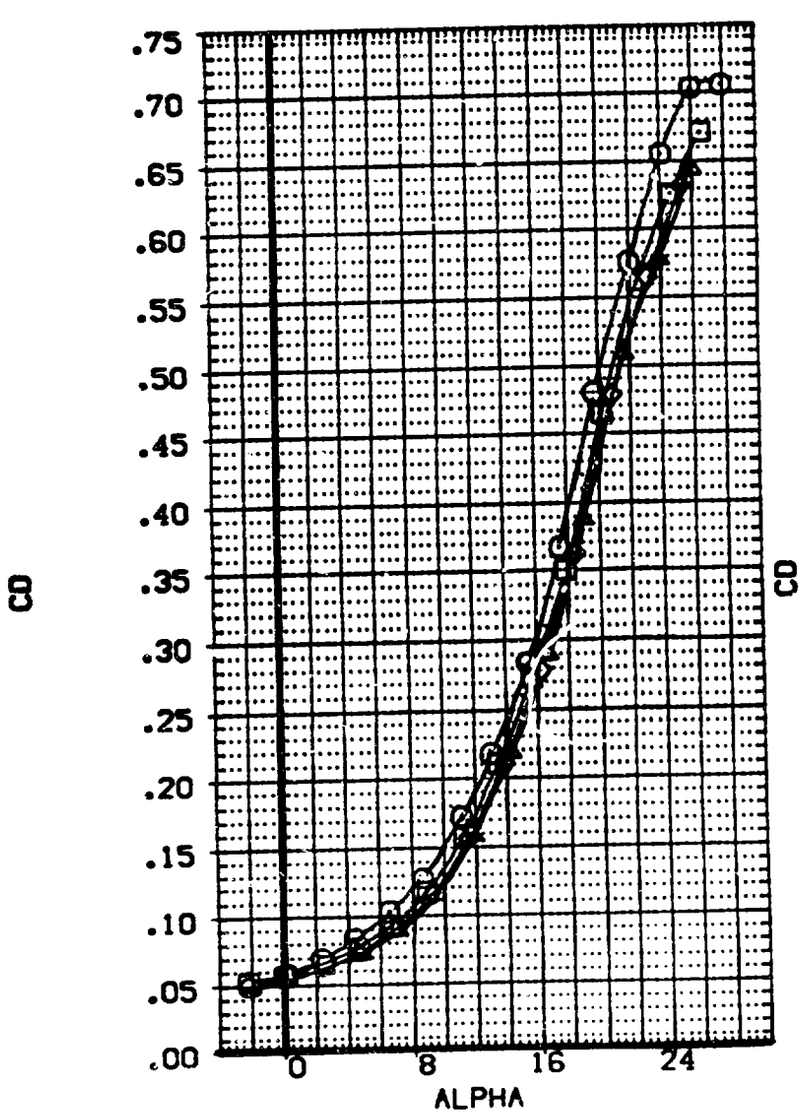
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=1.2X10-4) LOC 1

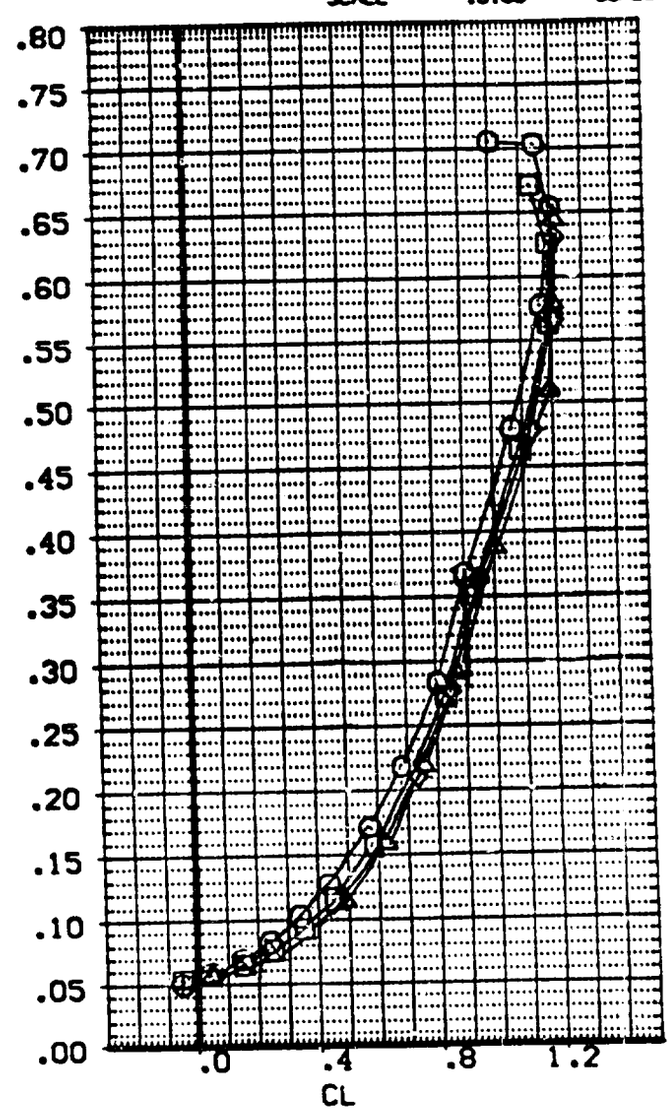
LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7007)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.520	BETA	.000	MACH	.255
□	4.045	ELEVTR	.000	FLOFLR	.000
◇	5.917	GT-LOC	1.000	K/L	1.200
△	7.926				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	9.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





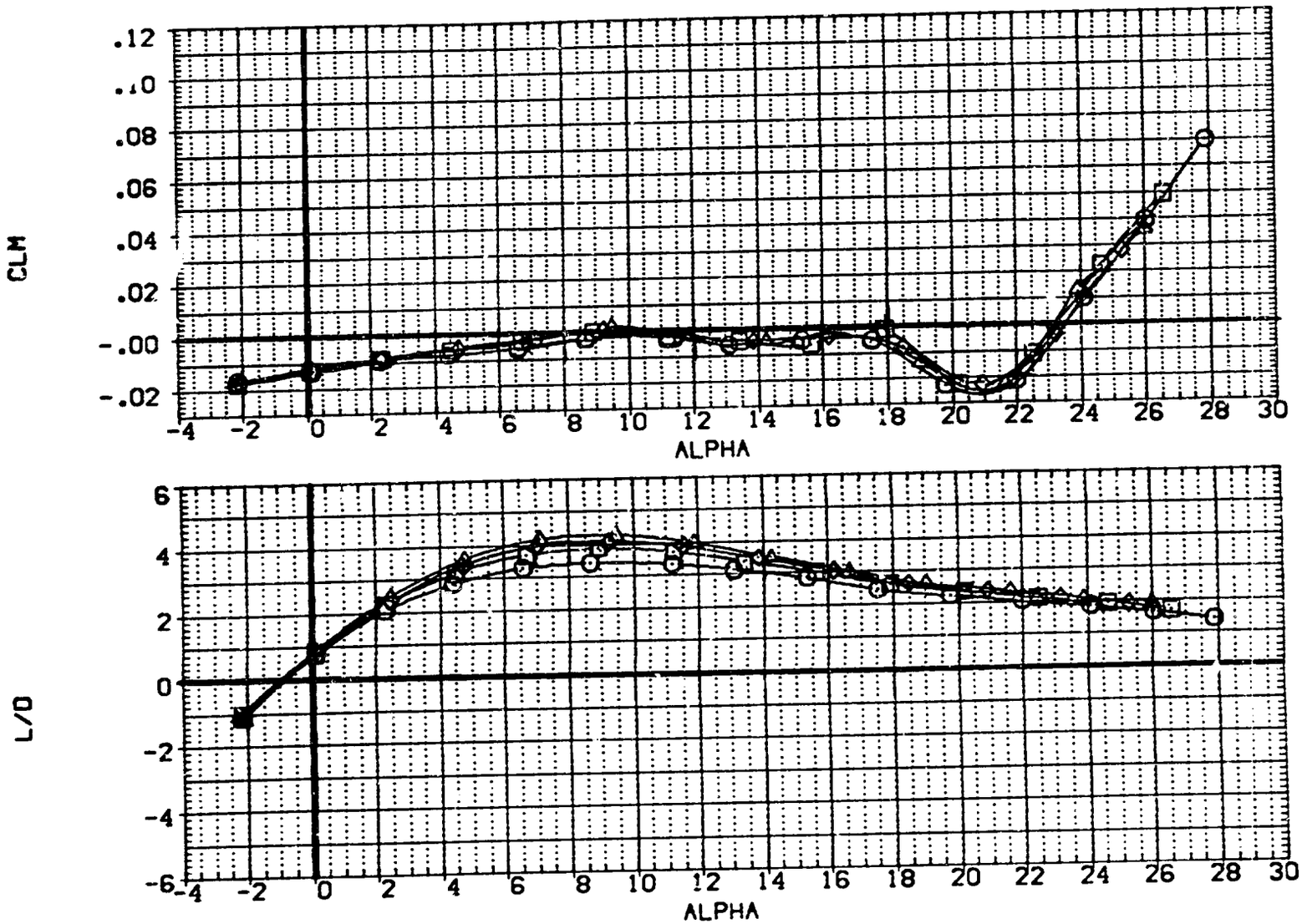
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=1.2X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (RP7007)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.520	BETA	.000	MACH	.255
□	4.046	ELEVTR	.000	RUOFLR	.000
◇	5.917	GT-LOC	1.000	K/L	1.200
△	7.926				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



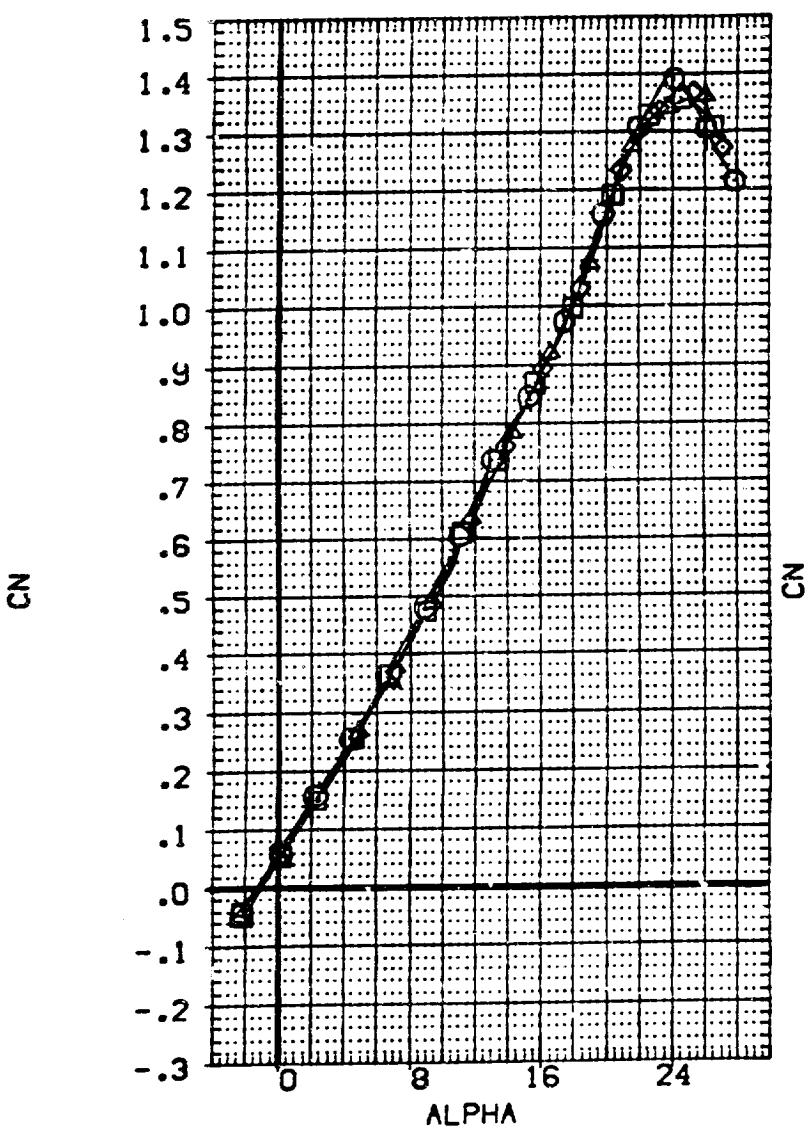
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=1.2X10-4) LOC 1

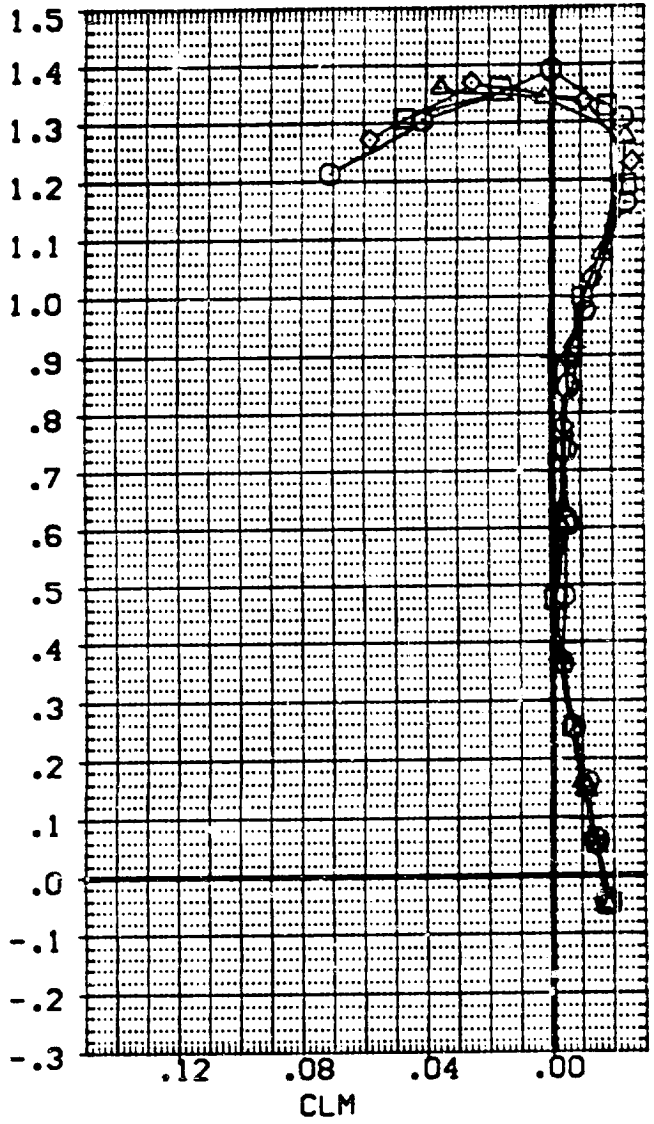
LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7005)

SYMBOL	RN/L		PARAMETRIC VALUES		
○	2.508	BETA	.000	MACH	.250
□	4.115	ELEVTR	.000	RUDFLR	.000
◇	6.036	GT-LOC	1.000	K/L	2.440
△	7.852				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





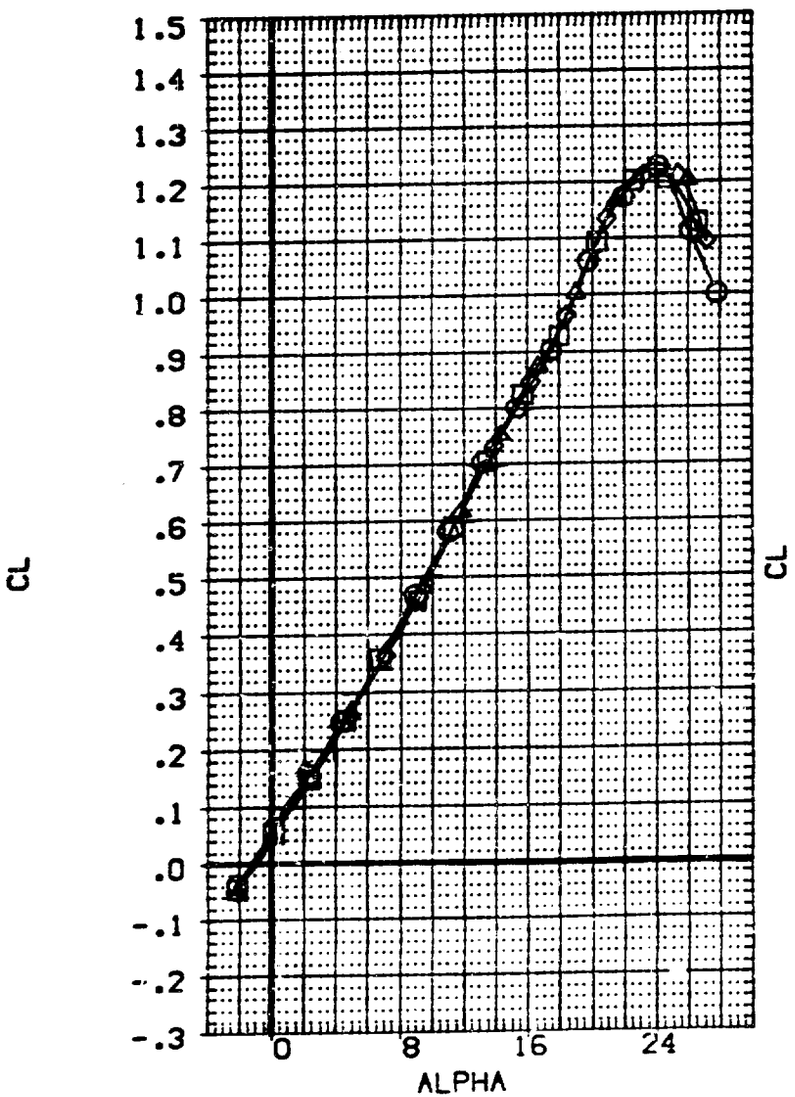
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.44X10-4) LOC 1

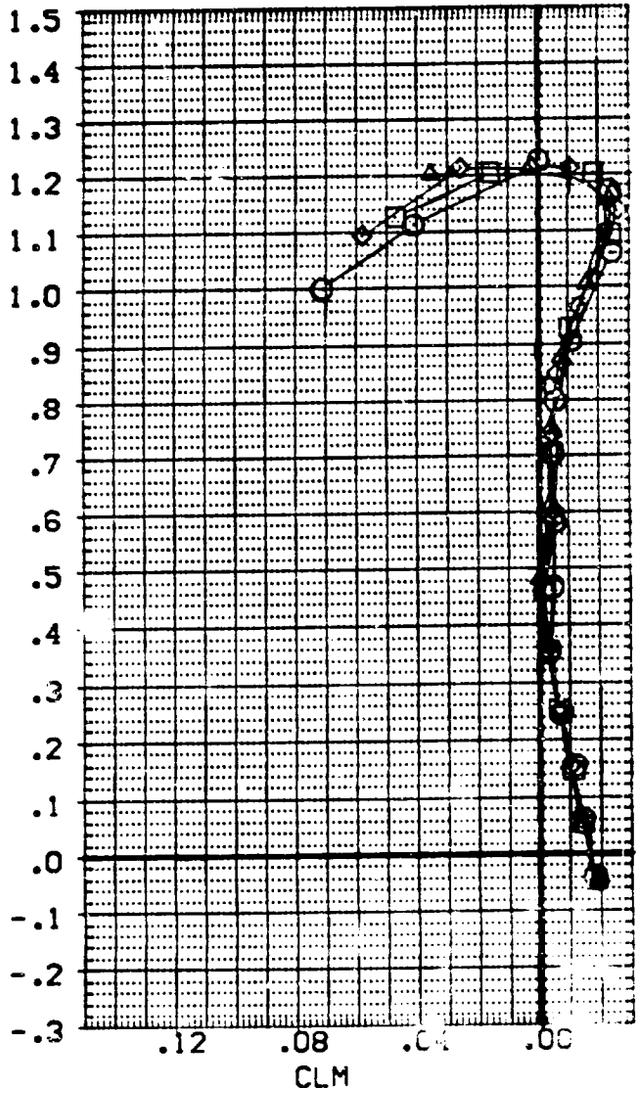
LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7005)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.508	BETA	.000	MACH	.250
□	4.115	ELEVTR	.000	RUDFLR	.000
◇	6.036	GT-LOC	1.000	K/L	2.440
△	7.852				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9539	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





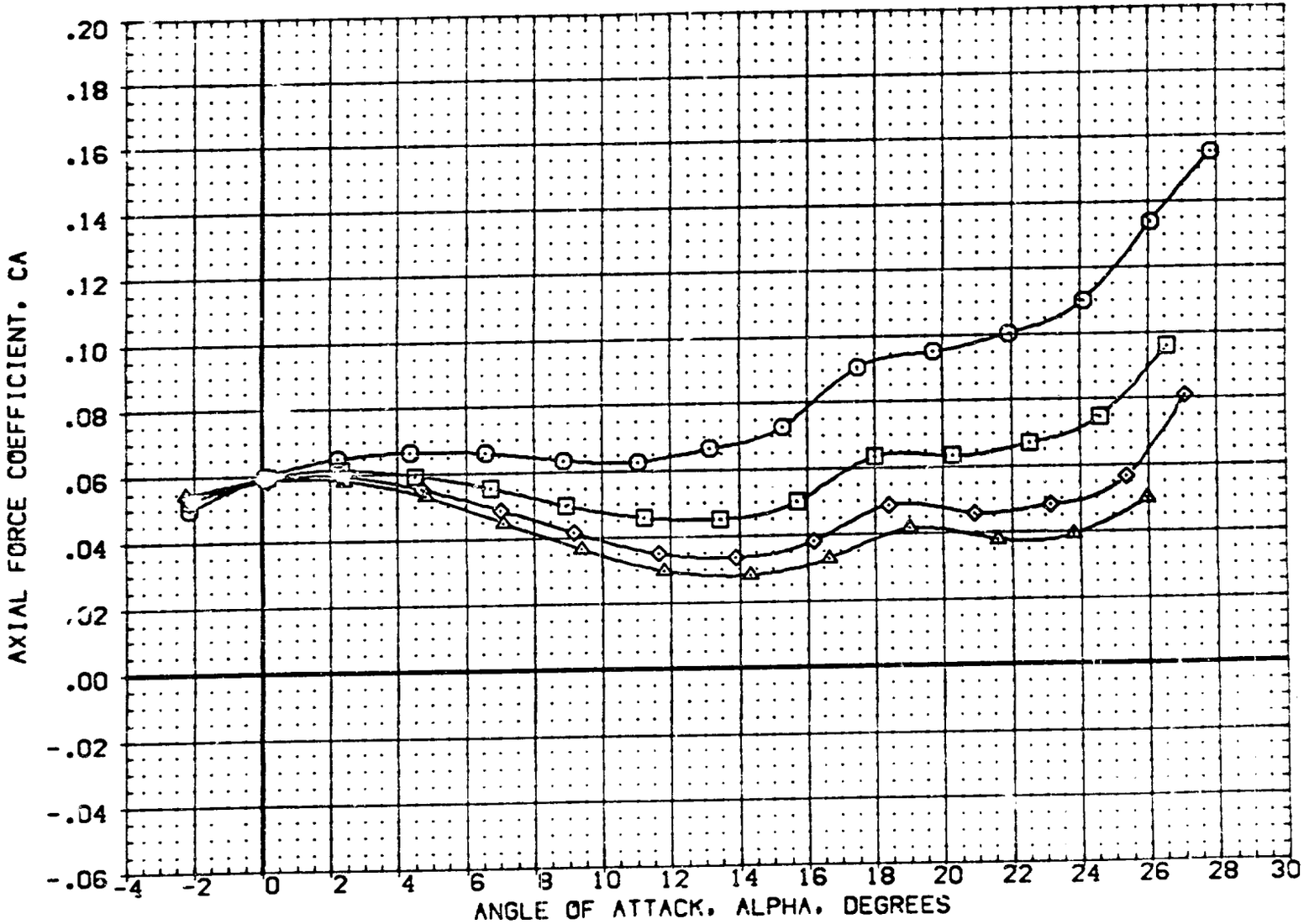
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.44X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (RP7005)

SYMBOL	RN/L		PARAMETRIC VALUES		
○	2.508	BETA	.000	MACH	.250
□	4.115	ELEVTR	.000	RJCFLR	.000
◇	6.036	GT-LOC	1.000	K/L	2.440
△	7.852				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	6.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0189	SCALE

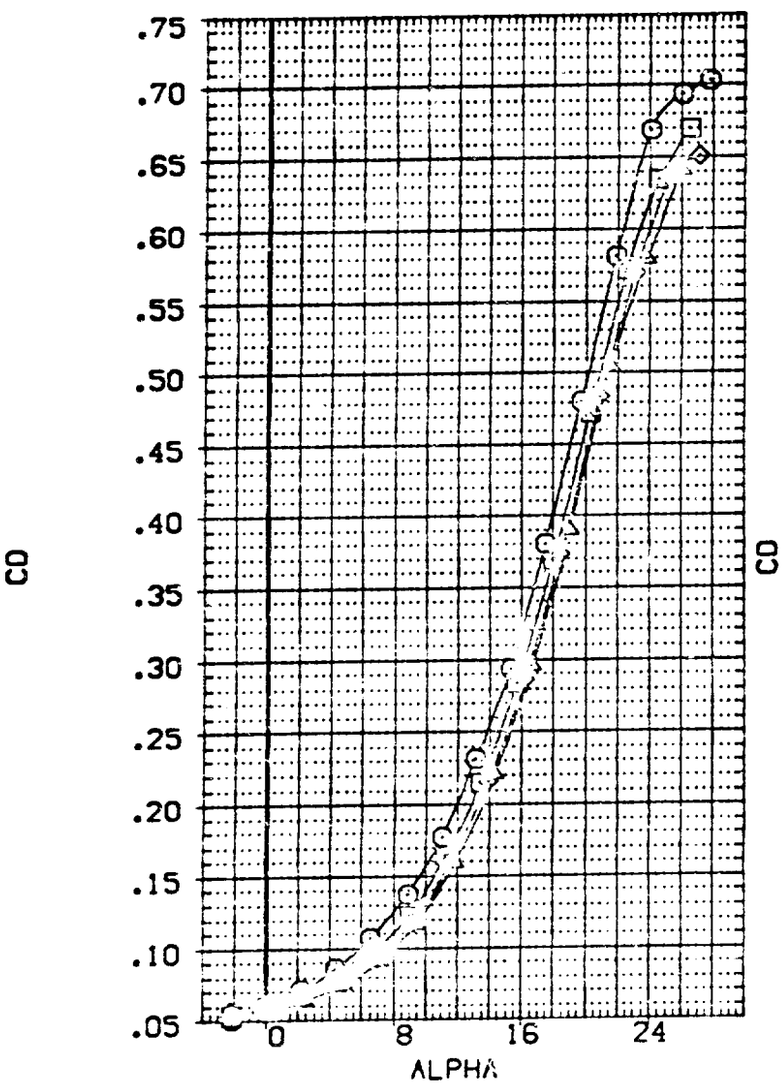


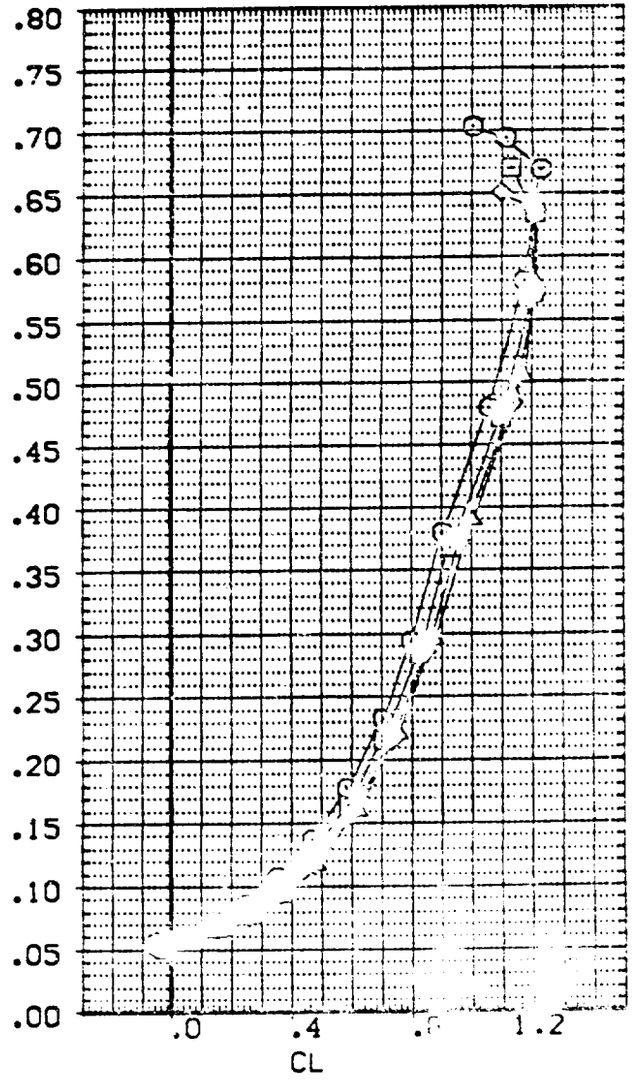
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.44X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (RP7005)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.508	BETA	.000	MACH	.250
□	4.115	ELEVTR	.000	RUDFLR	.000
◇	6.036	GT-LOC	1.000	K/L	2.440
△	7.852				

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE





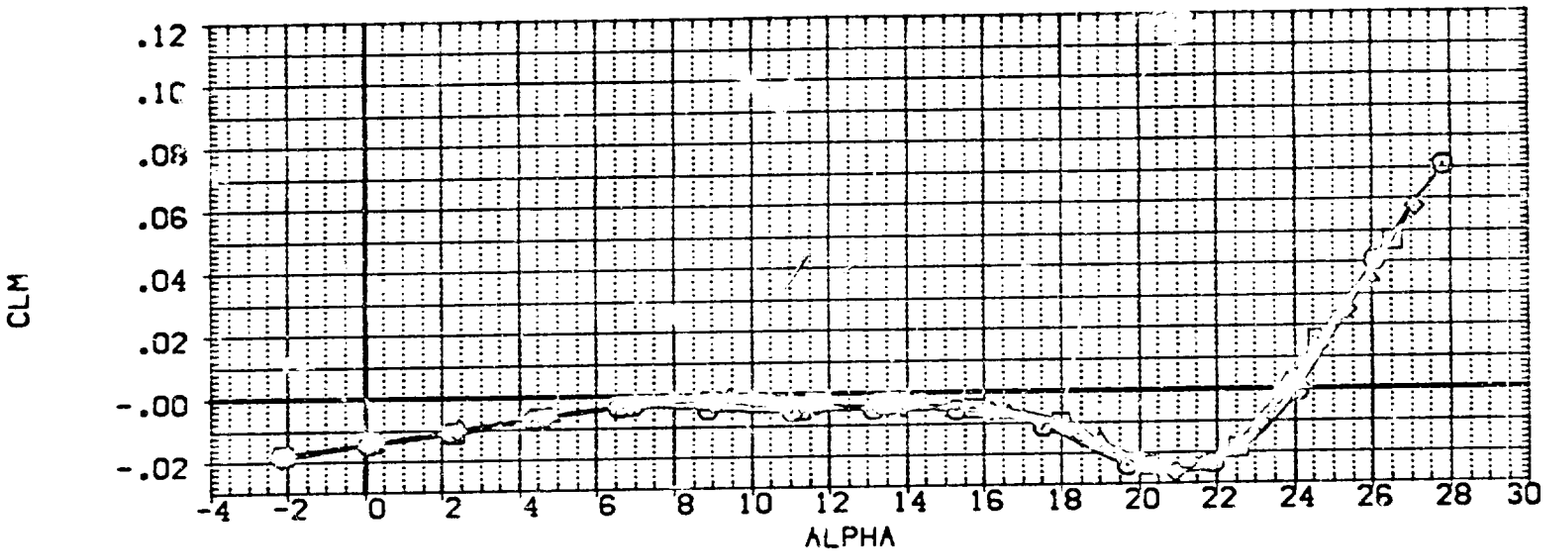
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.44X10-4) LOC I

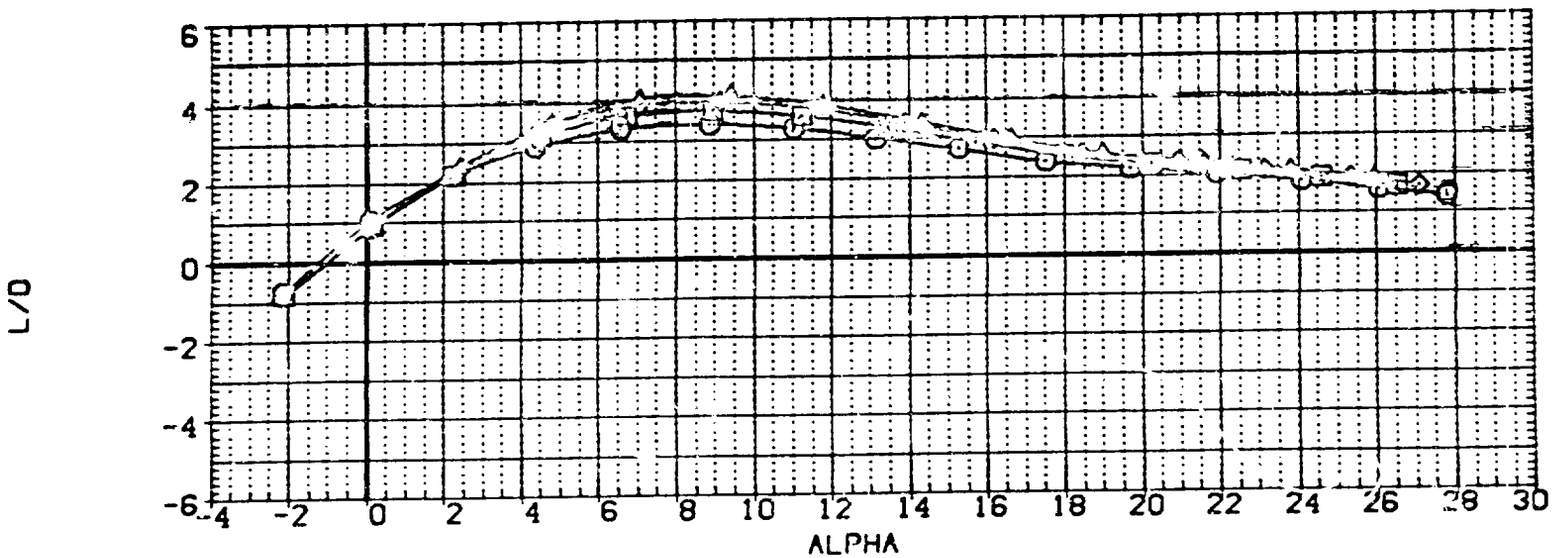
LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (RP7005)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.508	BETA	.000	MACH	.250
□	4.115	ELEVTR	.000	RJOFLR	.000
◇	6.036	GT-LOC	1.000	K/L	2.440
△	7.852				

REFERENCE INFORMATION

SREF	135.1808	SQ.IN.
CREF	8.9025	INCHES
BREF	17.5528	INCHES
XCG	15.9933	INCHES
YCG	.0000	INCHES
ZCG	.0000	INCHES
SCALE	.0168	SCALE





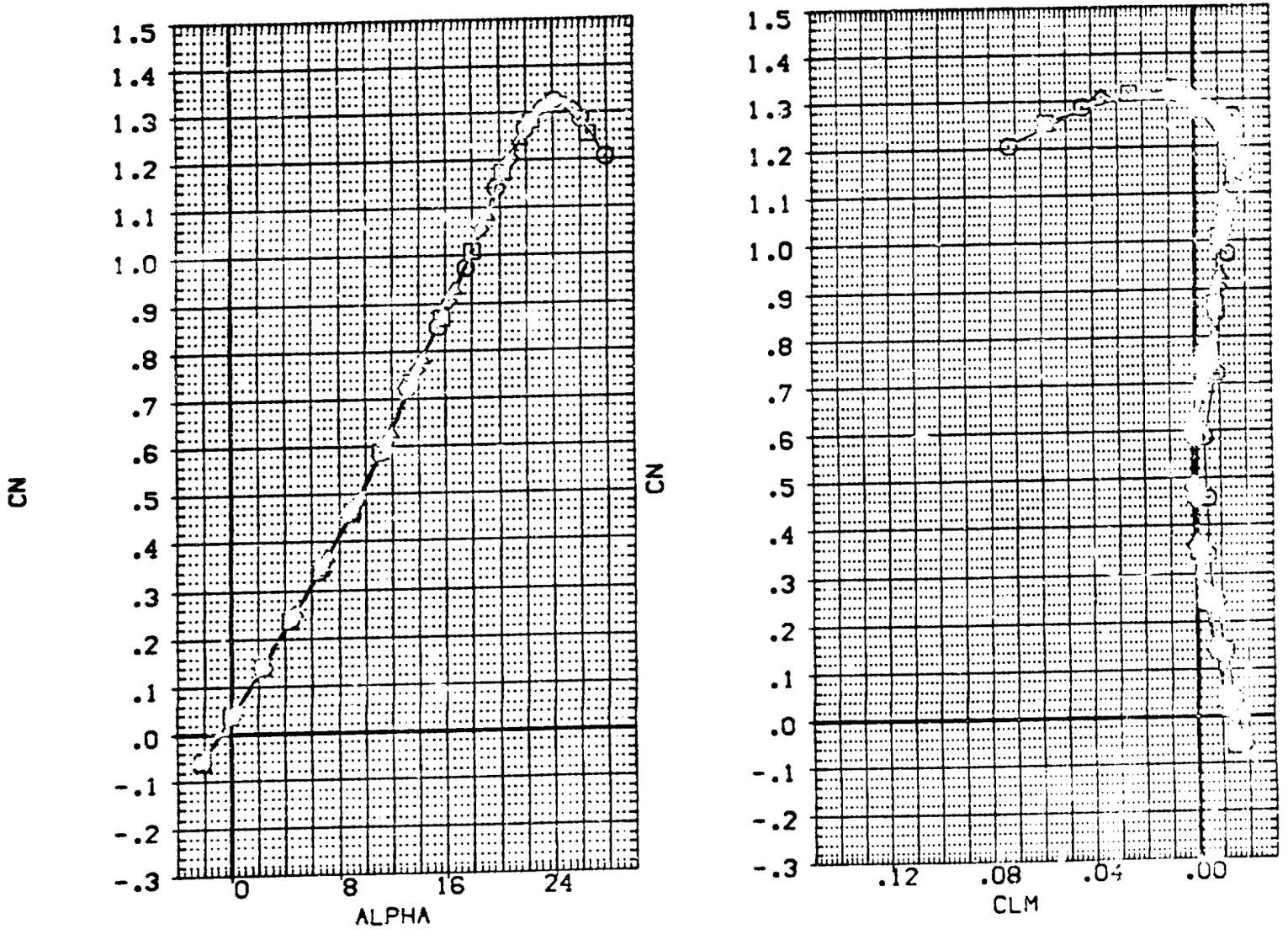
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.44X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7002)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.544	BETA	.000	MACH	.251
□	4.037	ELEVTR	.000	RUDFLR	.000
◇	6.126	GT-LOC	1.000	K/L	6.820
△	8.084				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



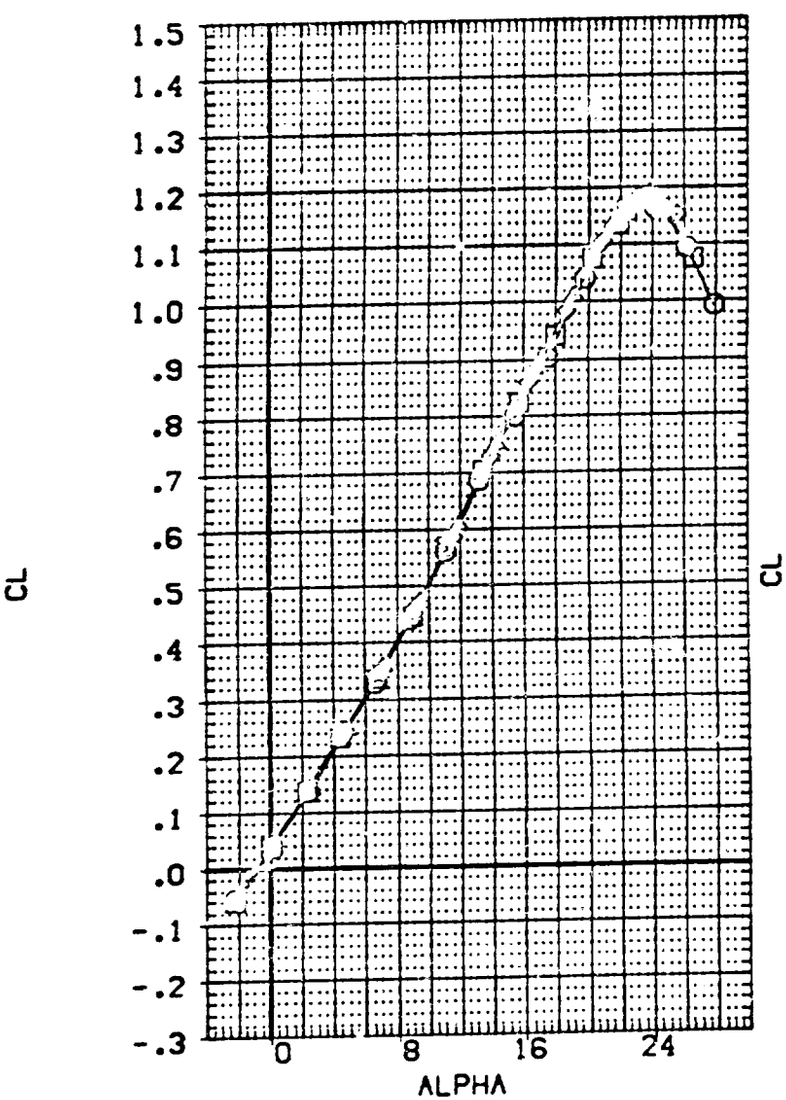
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=6.82X10-4) LOC 1

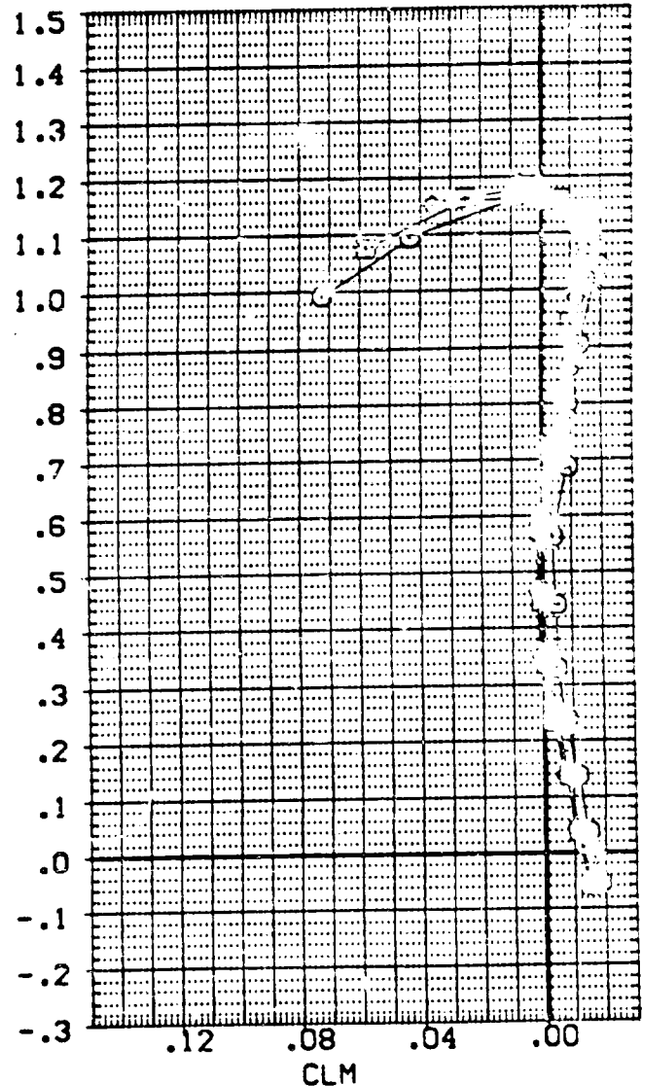
LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7002)

SYMBOL	RN/L		PARAMETRIC VALUES		
○	2.544	BETA	.000	MACH	.251
□	4.037	ELEVTR	.000	RUDFLR	.000
◇	6.126	GT-LOC	1.000	K/L	6.820
△	8.084				

REFERENCE INFORMATION

SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5523	INCHES
XMRP	15.5333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=6.82X10-4) LOC 1

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7002)

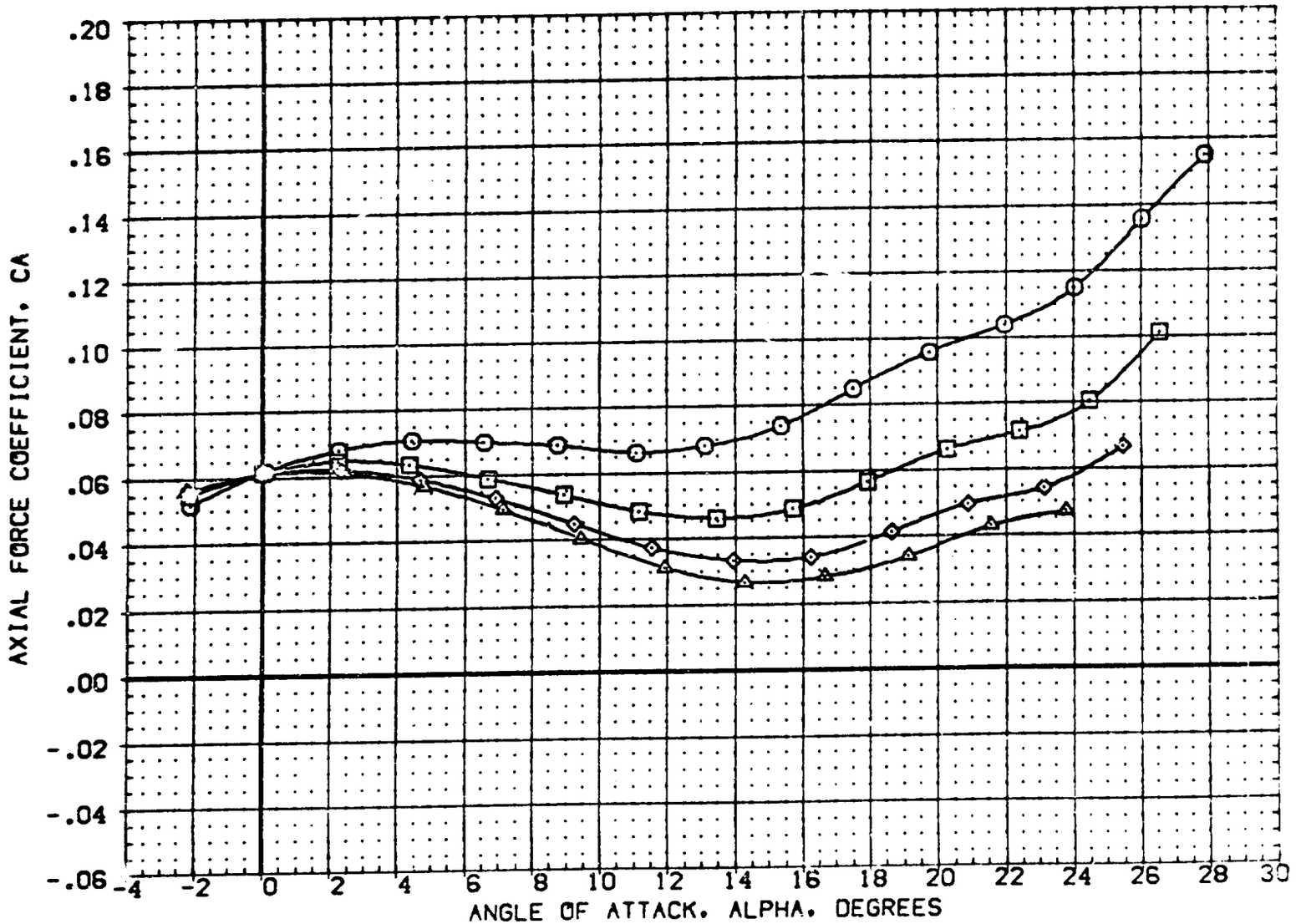
SYMBOL	RN/L
○	2.544
□	4.037
◇	6.126
△	8.084

PARAMETRIC VALUES

BETA	.000	MACH	.251
ELEVTR	.000	RUDFLR	.000
GT-LOC	1.000	RN/L	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.1333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



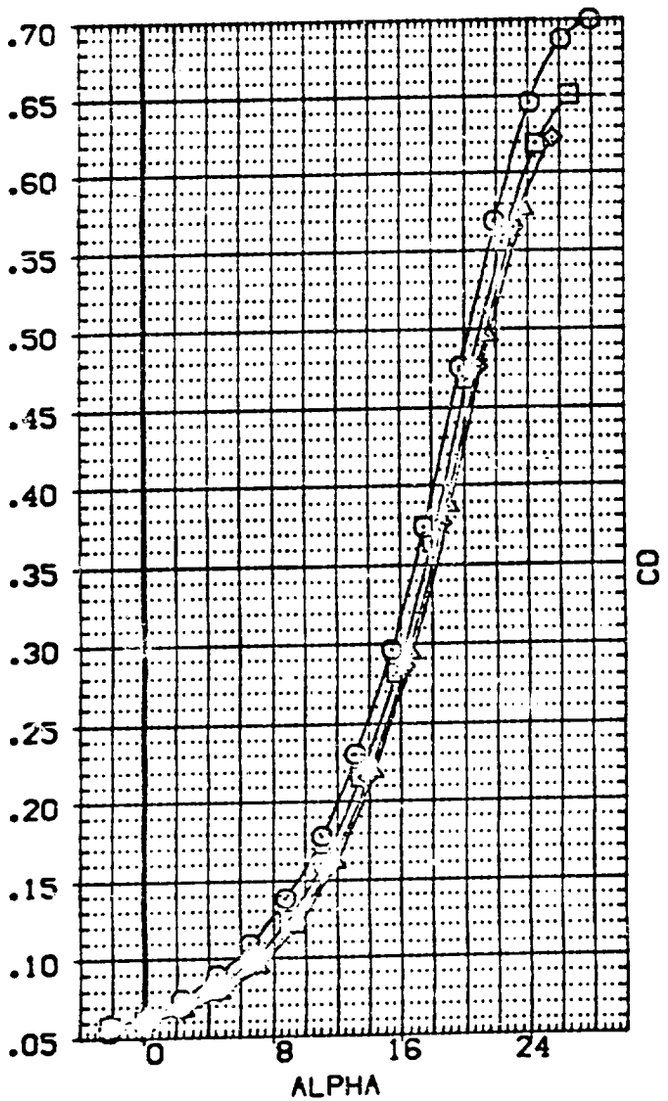
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=6.82X10-4) LOC 1

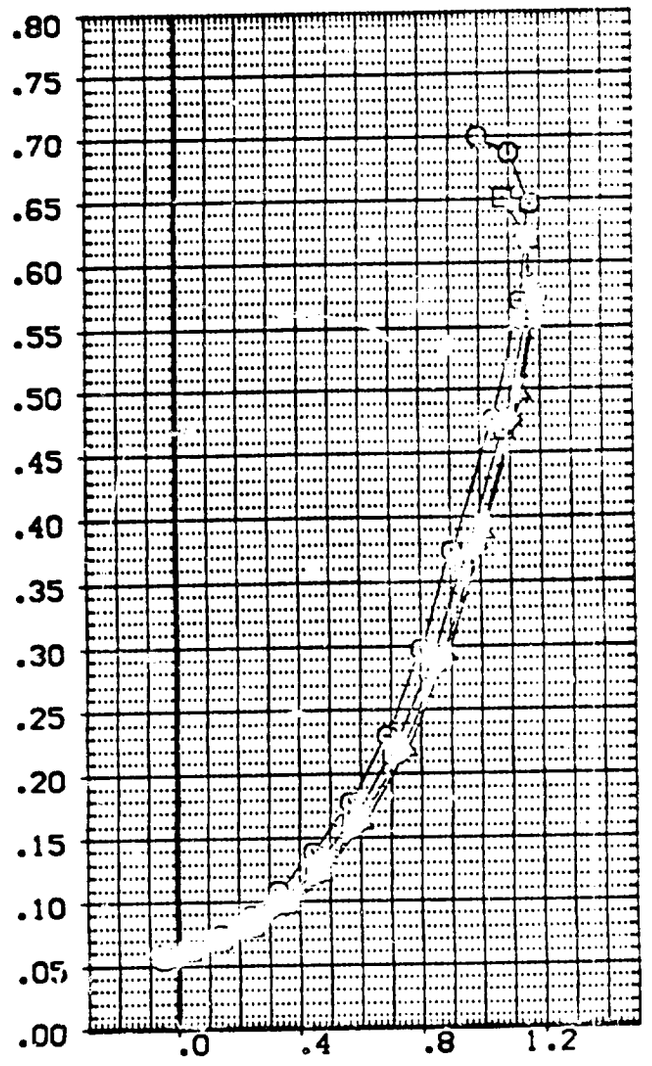
LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7002)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.544	BETA	.000	MACH	.251
◇	4.037	ELEVTR	.000	RUDFLR	.000
△	6.126	GT-LOC	1.000	K/L	6.820
	8.084				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





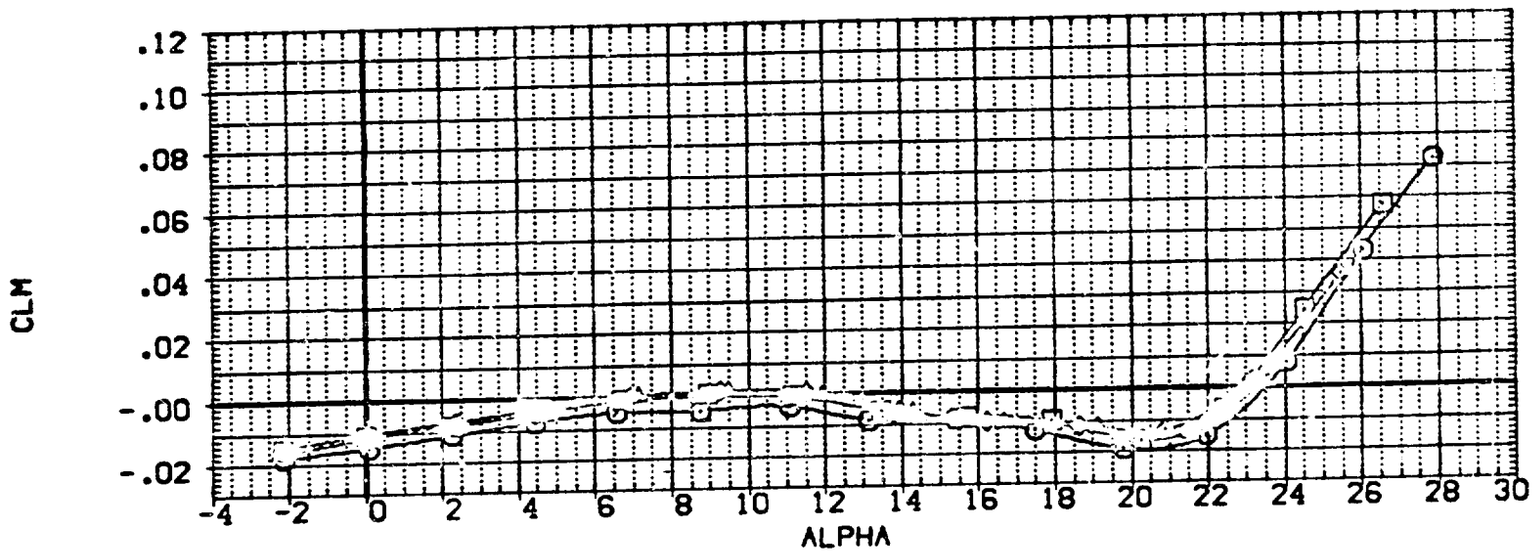
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=6.82X10-4) LOC 1

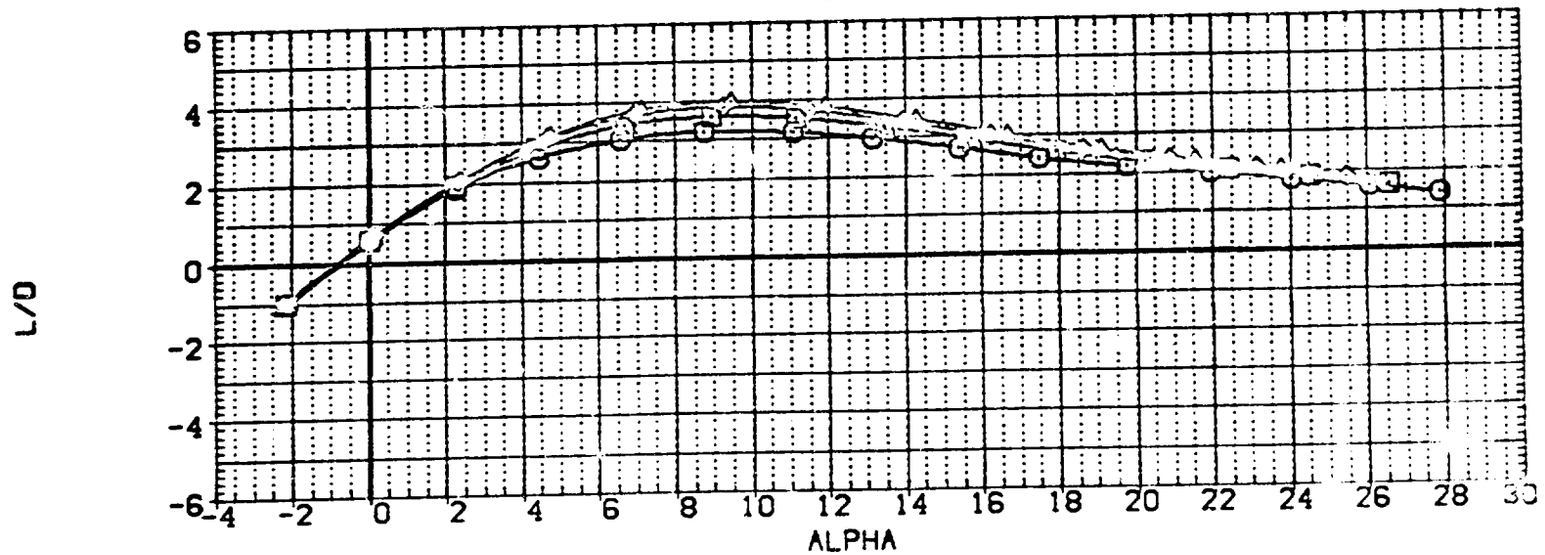
LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +OMS (RP7002)

SYMBOL	RN/L	PARAMETRIC VALUES			
○	2.544	BETA	.000	MACH	.251
□	4.037	ELEVTR	.000	RJOFLR	.000
◇	6.126	GT-LOC	1.000	K/L	6.820
△	8.084				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5523	INCHES
XMRP	15.5113	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=6.82X10-4) LOC 1

LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +OMS (RP7016)

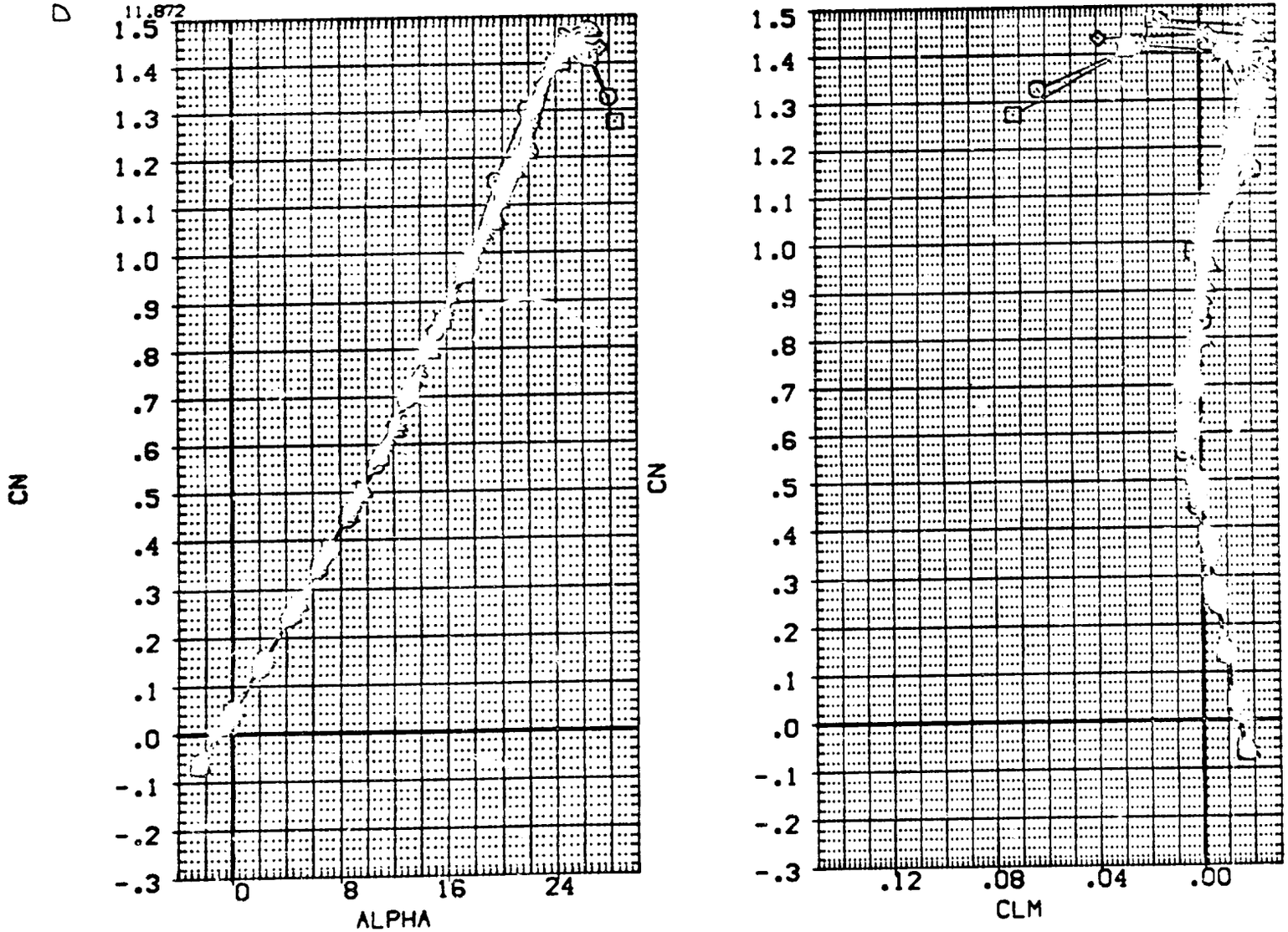
SYMBOL	RN/L
○	2.536
□	4.122
◇	6.075
△	8.202
◁	10.086
▱	11.872

PARAMETRIC VALUES

BETA	.000	MACH	.257
ELEVTR	.000	RUDFLR	.000
GT-LOC	2.000	K/L	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9539	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.03X10-4) LOC 2

LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +0MS (RP7016)

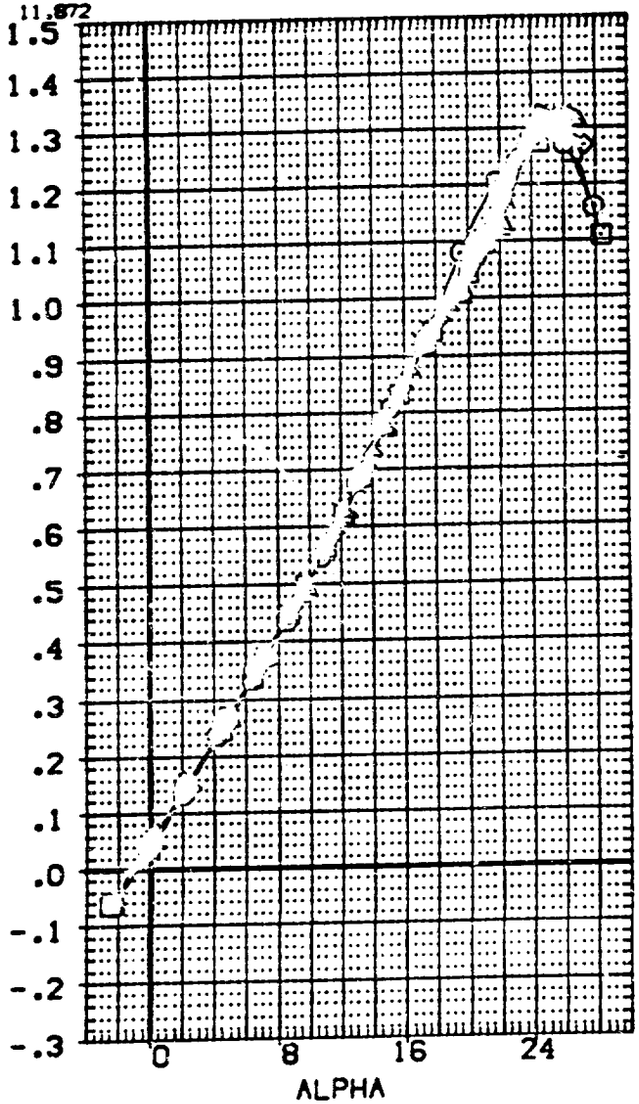
SYMBOL	RN/L
○	2.536
□	4.122
◇	6.076
△	8.202
▽	10.086
▷	11.872

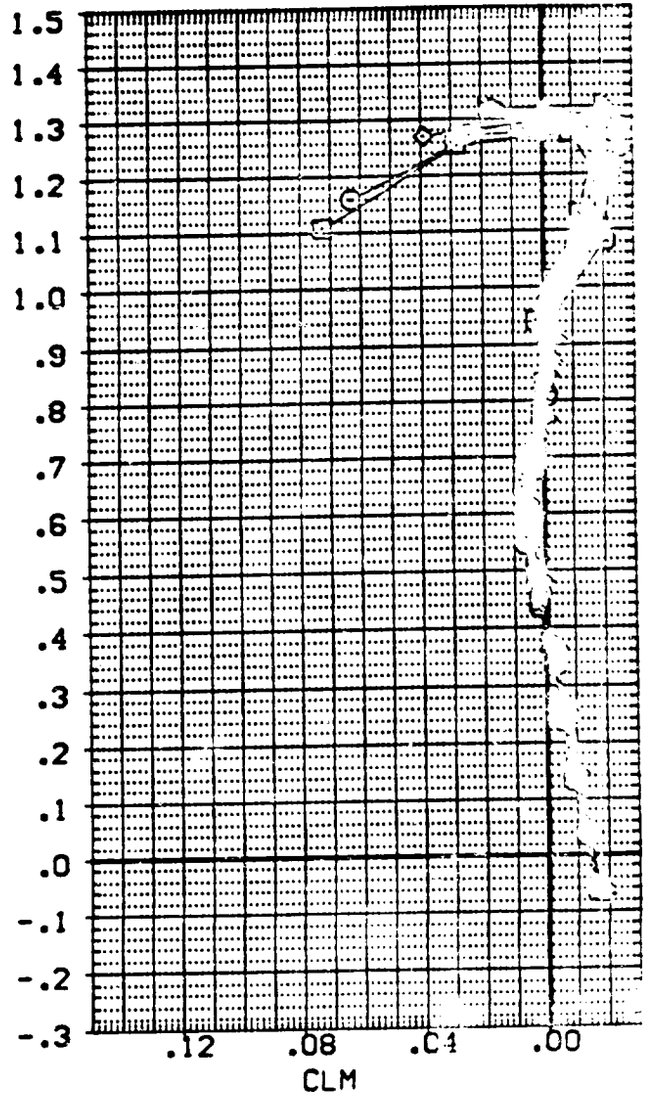
PARAMETRIC VALUES

BETA	.000	MACH	.257
ELEVTR	.000	RUDFLR	.000
GT-LOC	2.000	K/L	2.030

REFERENCE INFORMATION

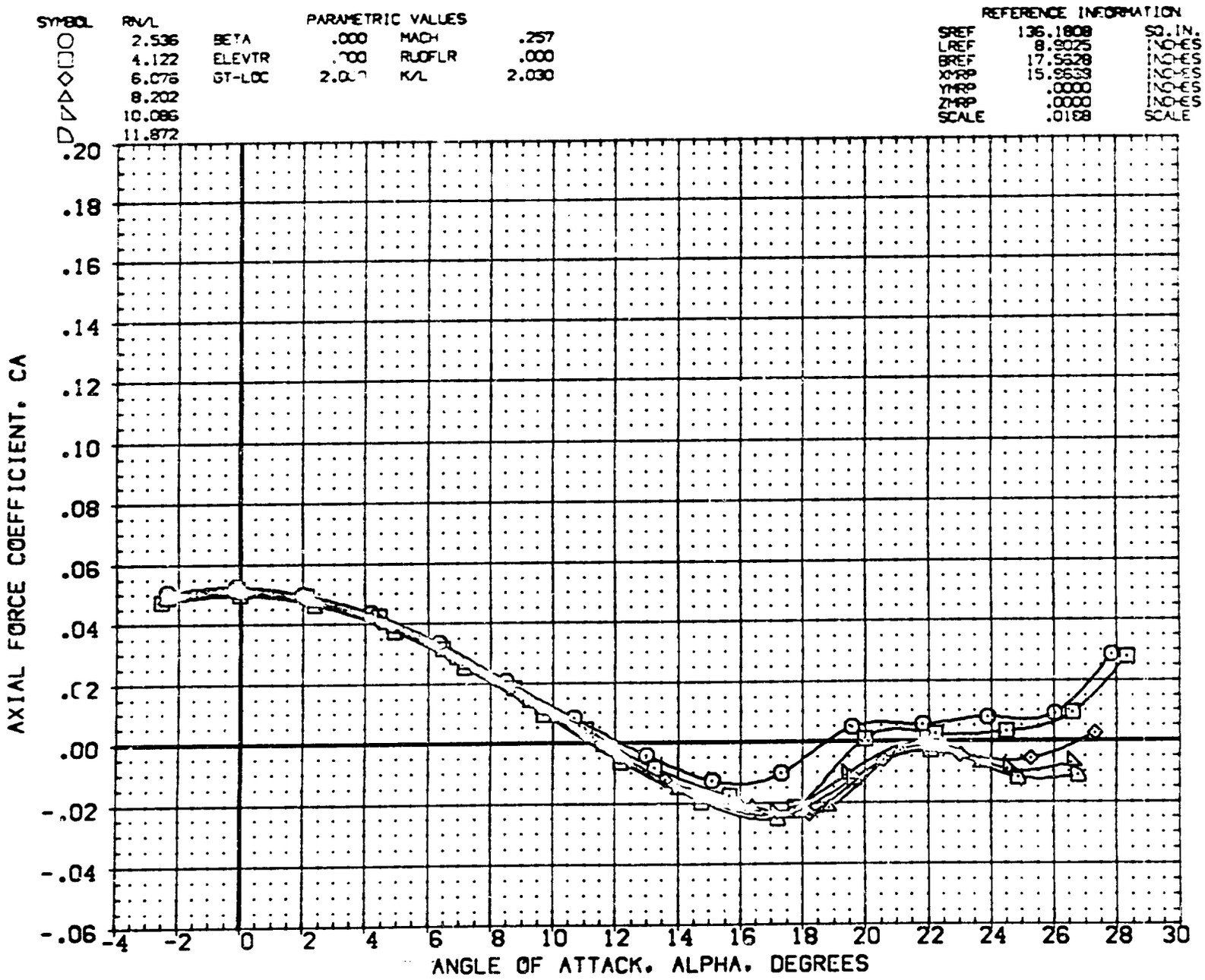
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.03X10-4) LOC 2

LA-9 LARC LTPT 135 NAR 089B-M0D. NOSE +0MS (RP7016)



EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.03X10-4) LOC 2

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS (RP7016)

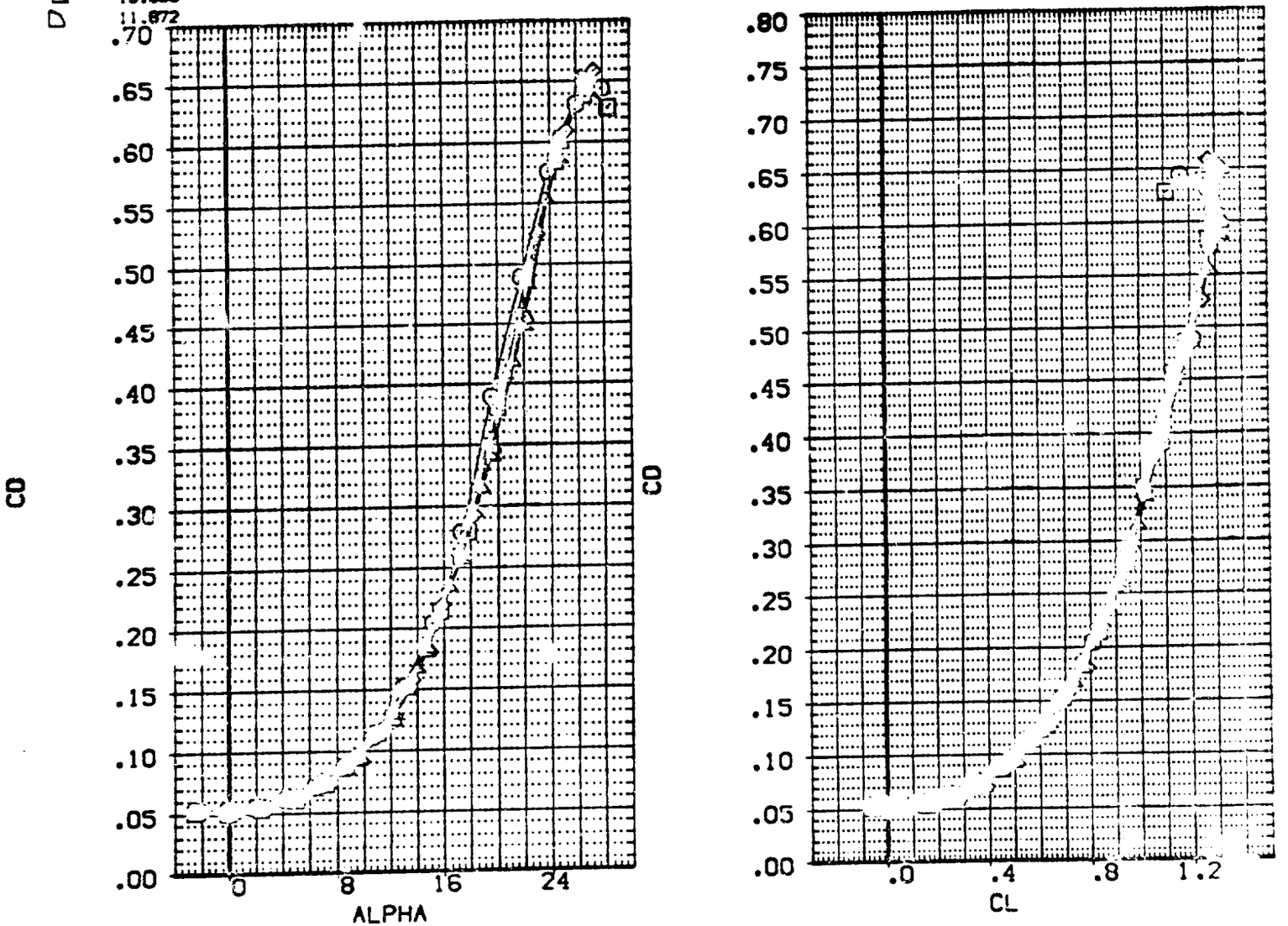
SYMBOL	RN/L
○	2.536
□	4.122
◇	6.076
△	8.202
△	10.066
□	11.872

PARAMETRIC VALUES

BETA	.000	MACH		.257
ELEVTR	.000	RLOFLR		.000
GT-LOC	2.000	K/L		2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5529	INCHES
XMRP	15.5513	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



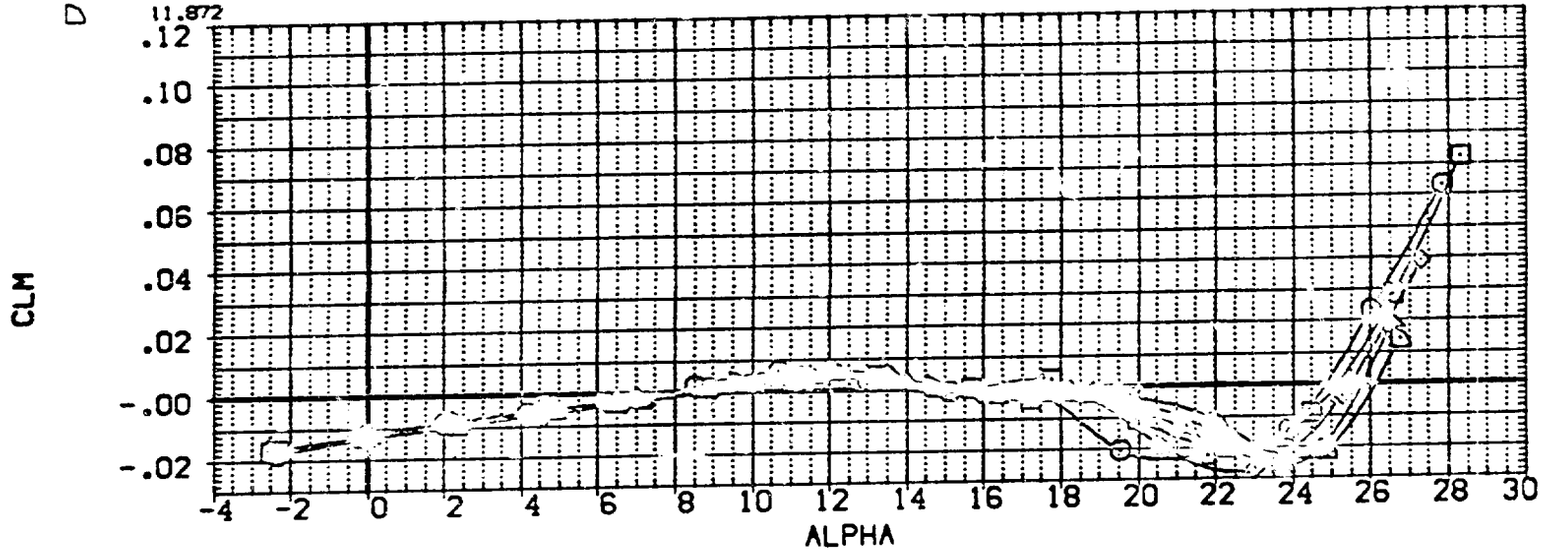
EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.03X10-4) LOC 2

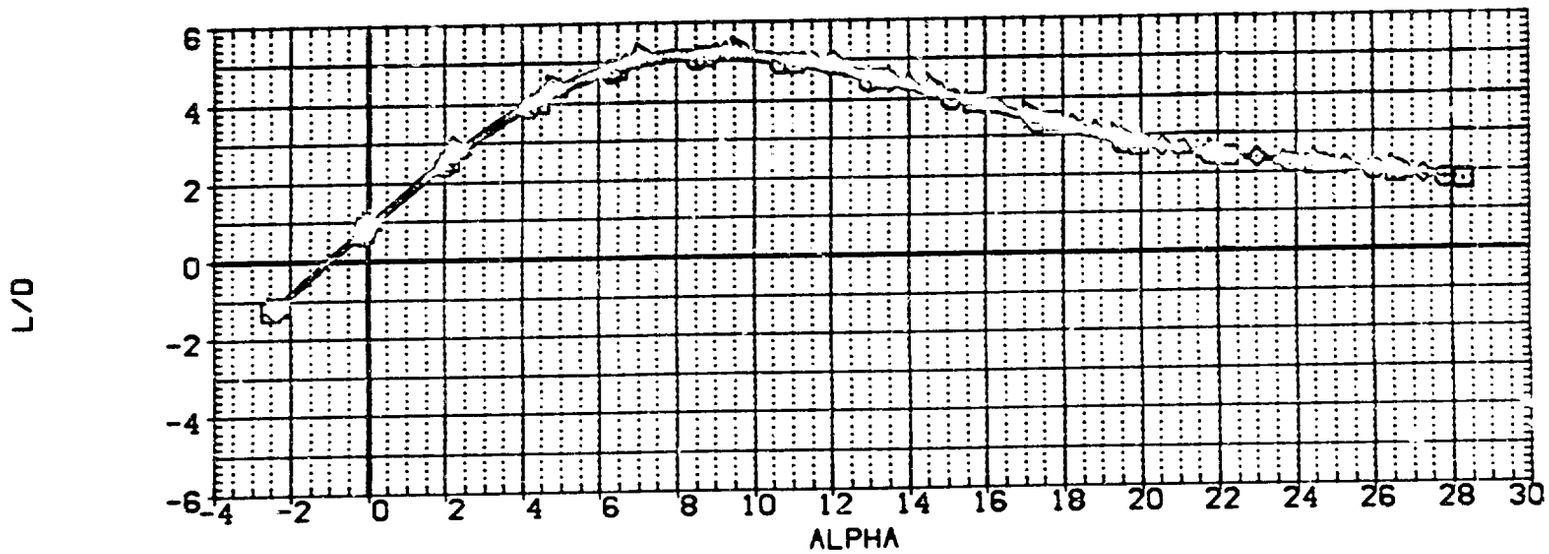
LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +OMS (RP7016)

SYMBOL	RN/L		PARAMETRIC VALUES		
○	2.536	BETA	.000	MACH	.257
□	4.122	ELEVTR	.000	RLOFLR	.000
◇	6.076	GT-LOC	2.000	K/L	2.030
△	8.202				
◁	10.086				
▷	11.872				

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9525	INCHES
BREF	17.5628	INCHES
XMRP	15.9333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE

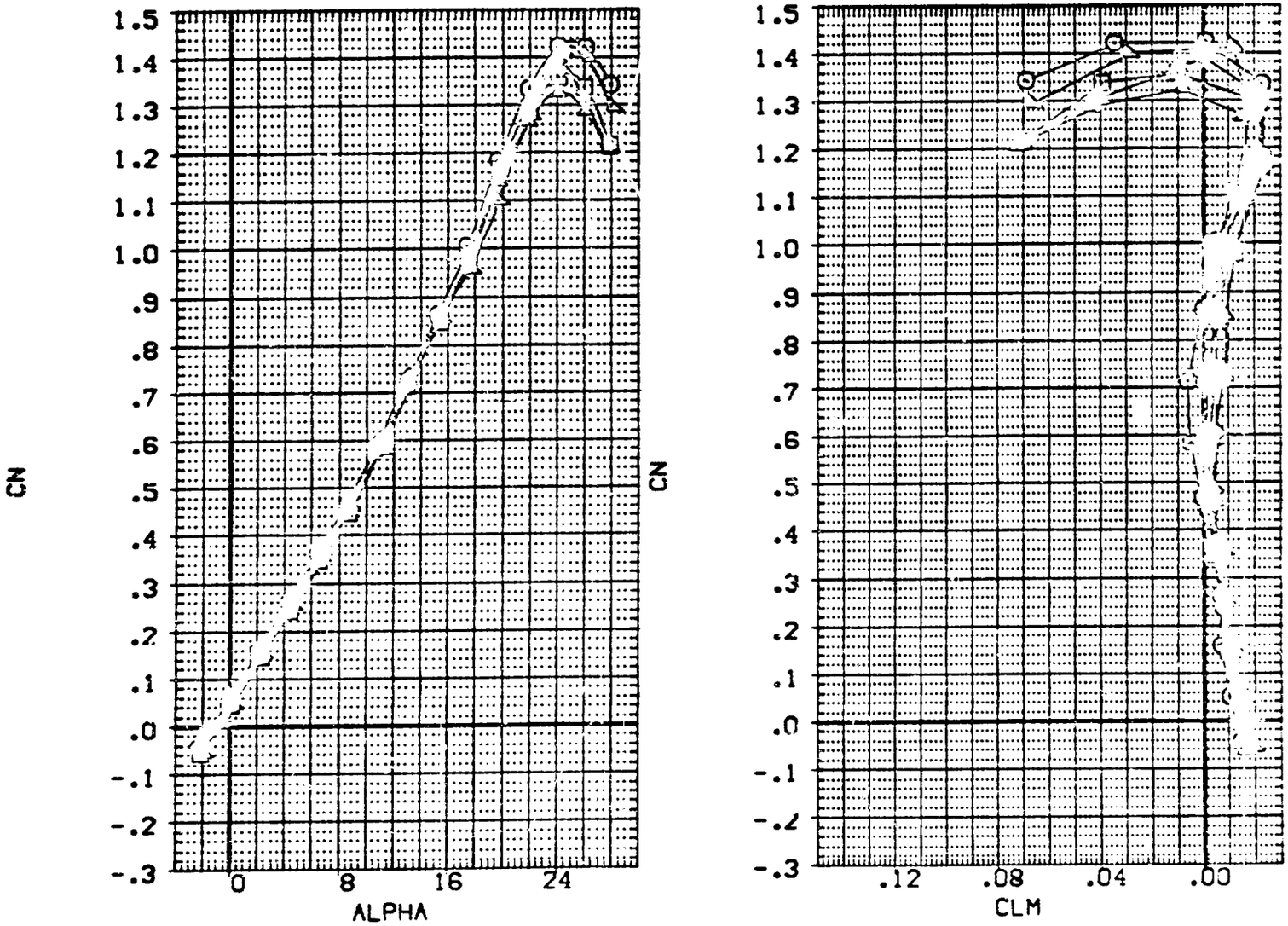




EFFECT OF REYNOLDS NO. ON LONG. CHAR. (K/L=2.03X10-4) LOC 2

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7005)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1809	SQ.IN.
LREF	8.9625	INCHES
BREF	17.9628	INCHES
XMRP	15.8639	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE



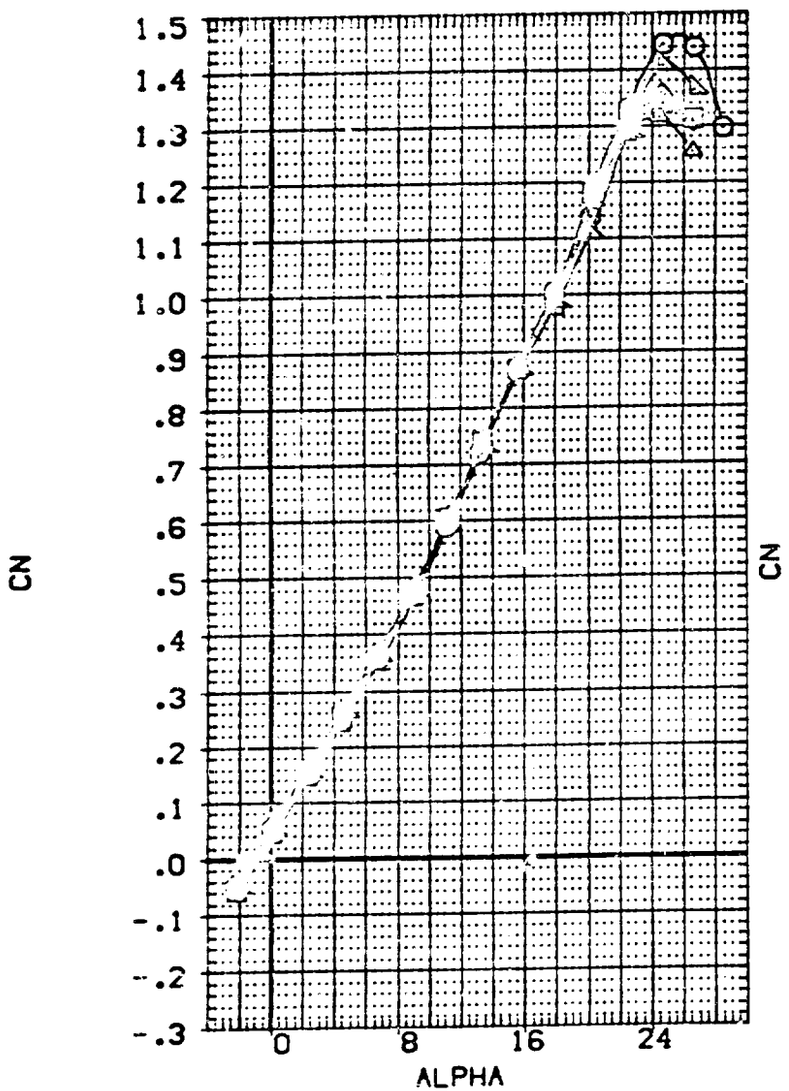
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

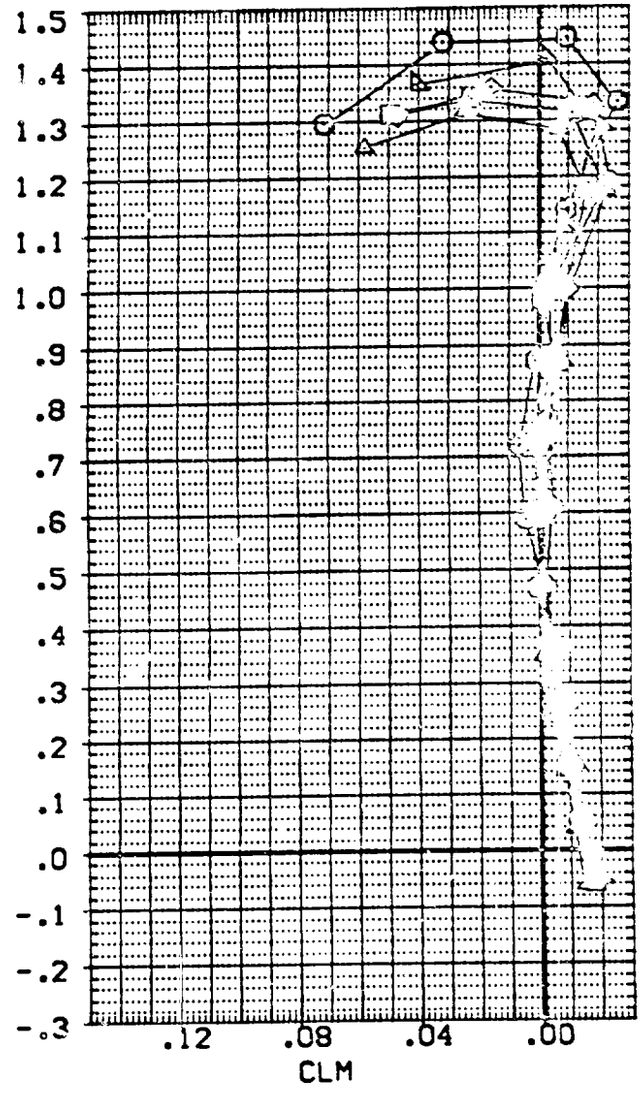
(A)RN/L = 2.47

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 3998-MOD. NOSE +0/5
(RP7007)	▽	LA-9 LARC LTPT 130 NAR 3999-MOD. NOSE +0/5
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +0/5
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +0/5
(RP7004)	○	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +0/5

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	3.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.8333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





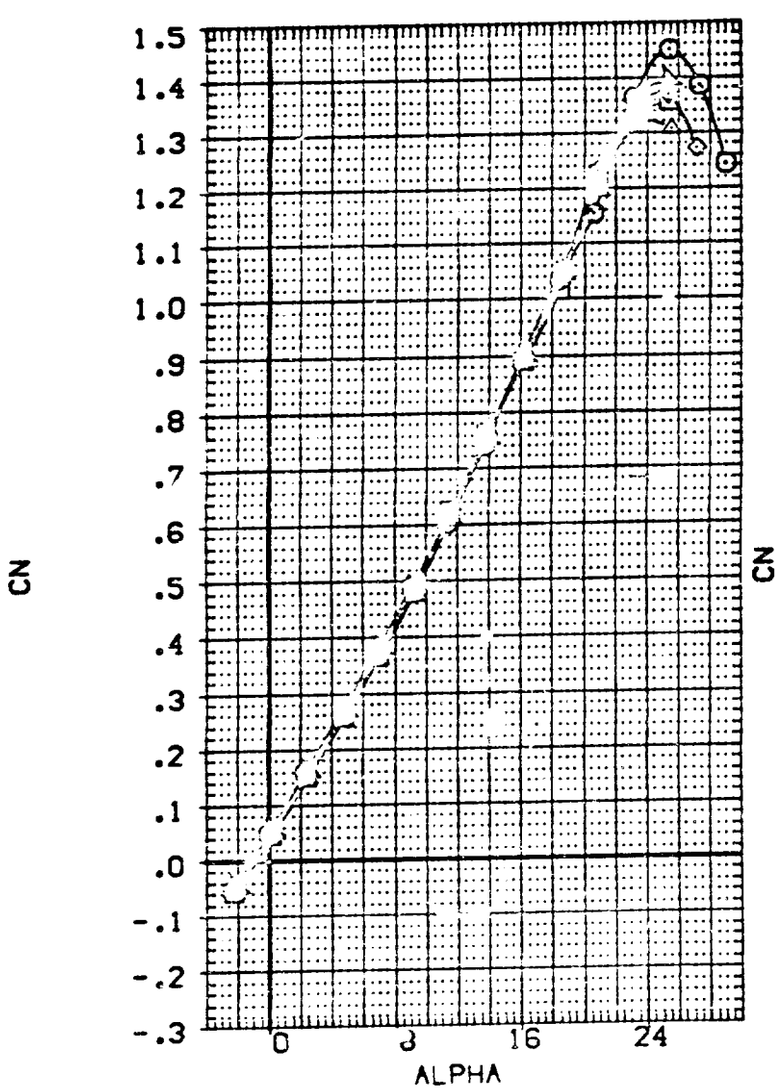
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

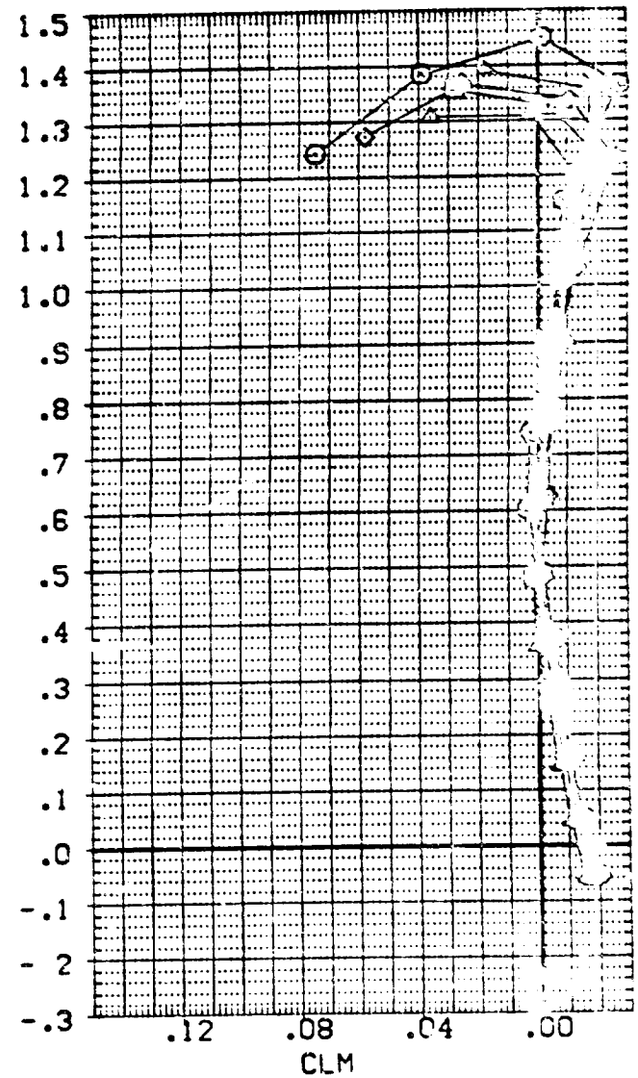
(B)RN/L = 4.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0859-M00. NOSE +0M5	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0853-M00. NOSE +0M5	.000	.000	1.000	1.200
(RP7005)	▽	LA-9 LARC LTPT 130 NAR 0853-M00. NOSE +0M5	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0858-M00. NOSE +0M5	.000	.000	1.000	6.020
(RP7004)	▷	LA-9 LARC LTPT 130 NAR 0858-M00. NOSE +0M5	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1[illegible]	SQ.IN.
LREF	8.90[illegible]	INCHES
BREF	17.55[illegible]	INCHES
XMRP	15.96[illegible]	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

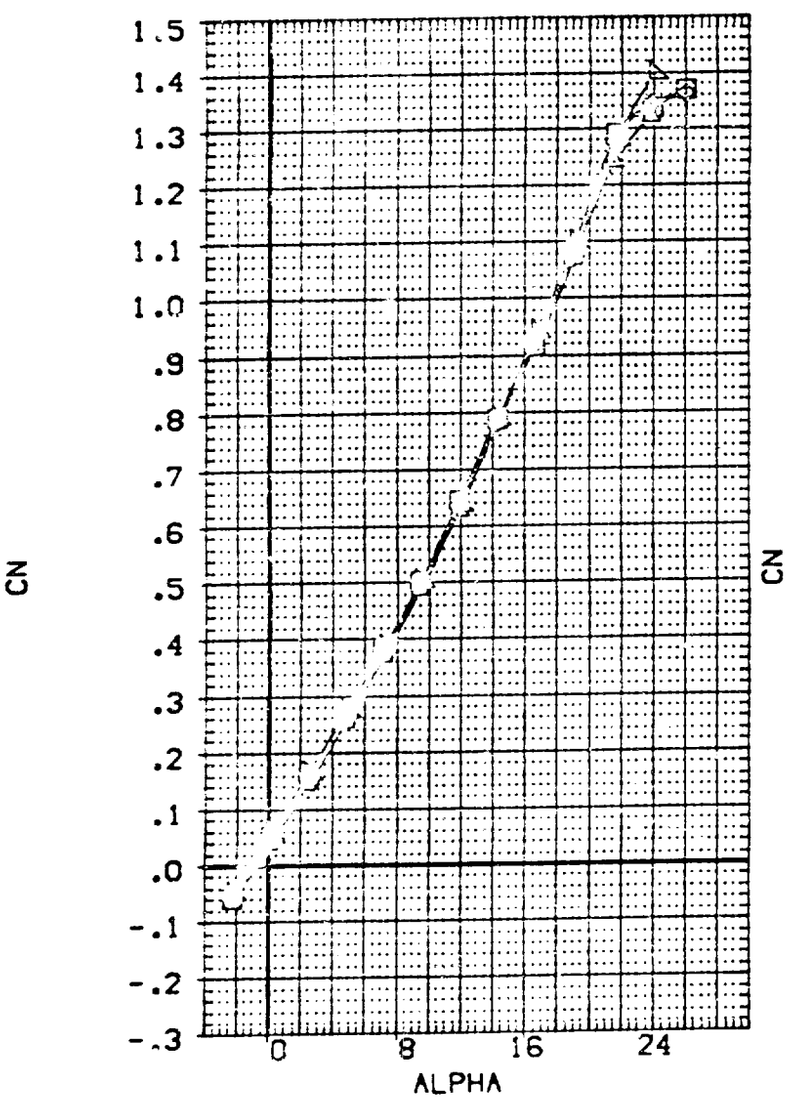
(C)RN/L = 6.02

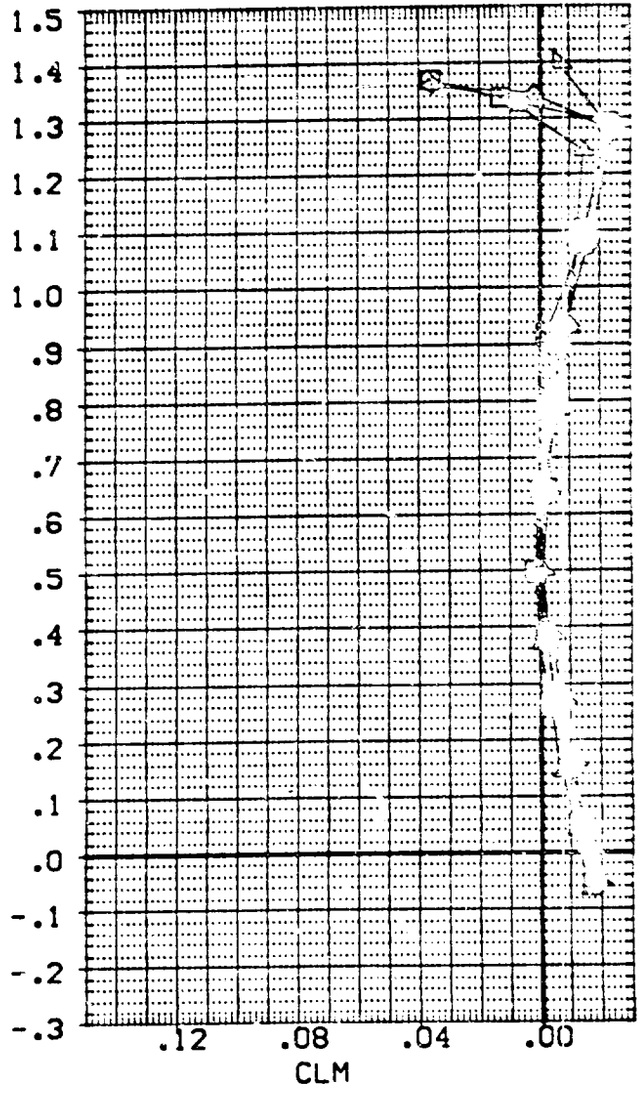
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)		DATA NOT AVAILABLE
(R97007)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R97005)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R97002)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R97004)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS

BETA	RUDFLR	G"-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5328	INCHES
XMRP	15.9333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





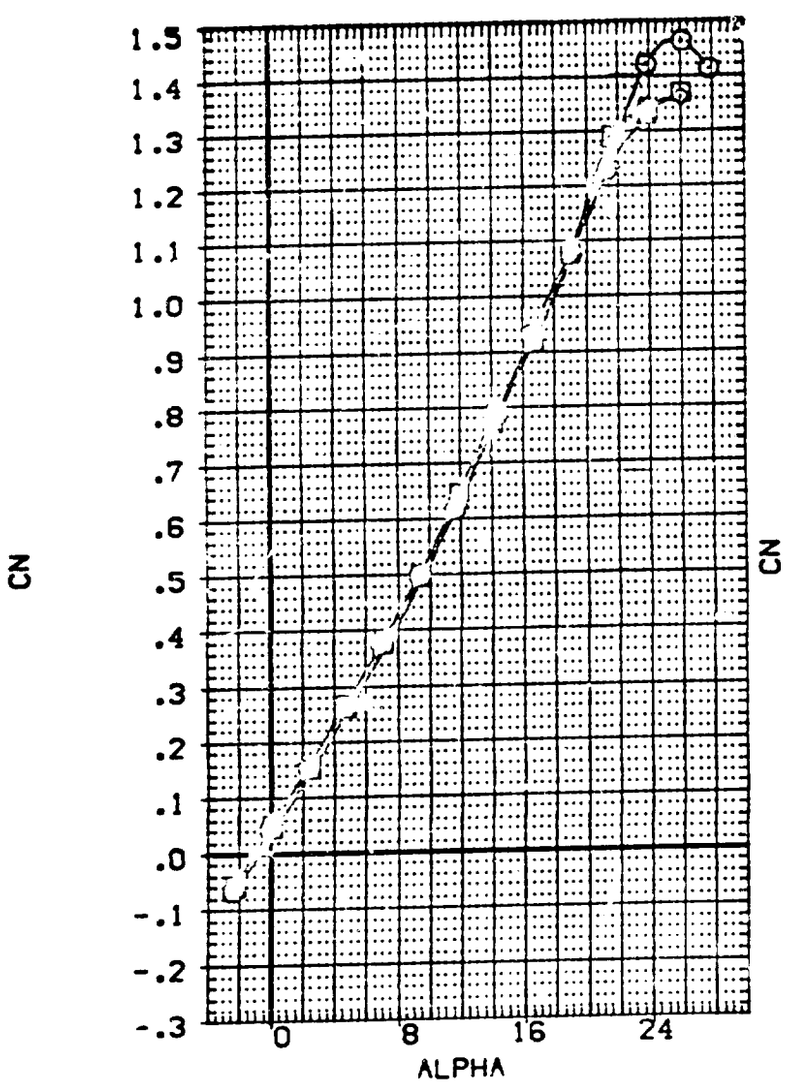
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

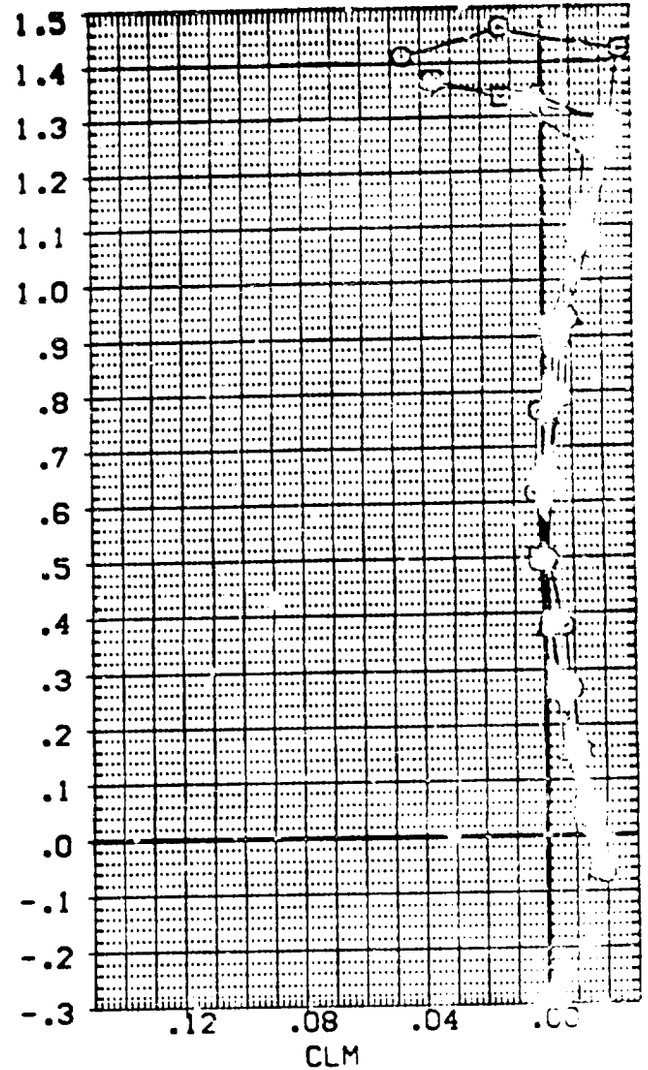
(D)RN/L = 7.71

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(R77001)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R77007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R77005)	▽	LA-9 LARC LTPT 130 NAR 0833-MOD. NOSE +0MS
(R77002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(R77004)	⊠	DATA NOT AVAILABLE

TA	ROUGHR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.9[illegible]	INCHES
XMRP	15.963[illegible]	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





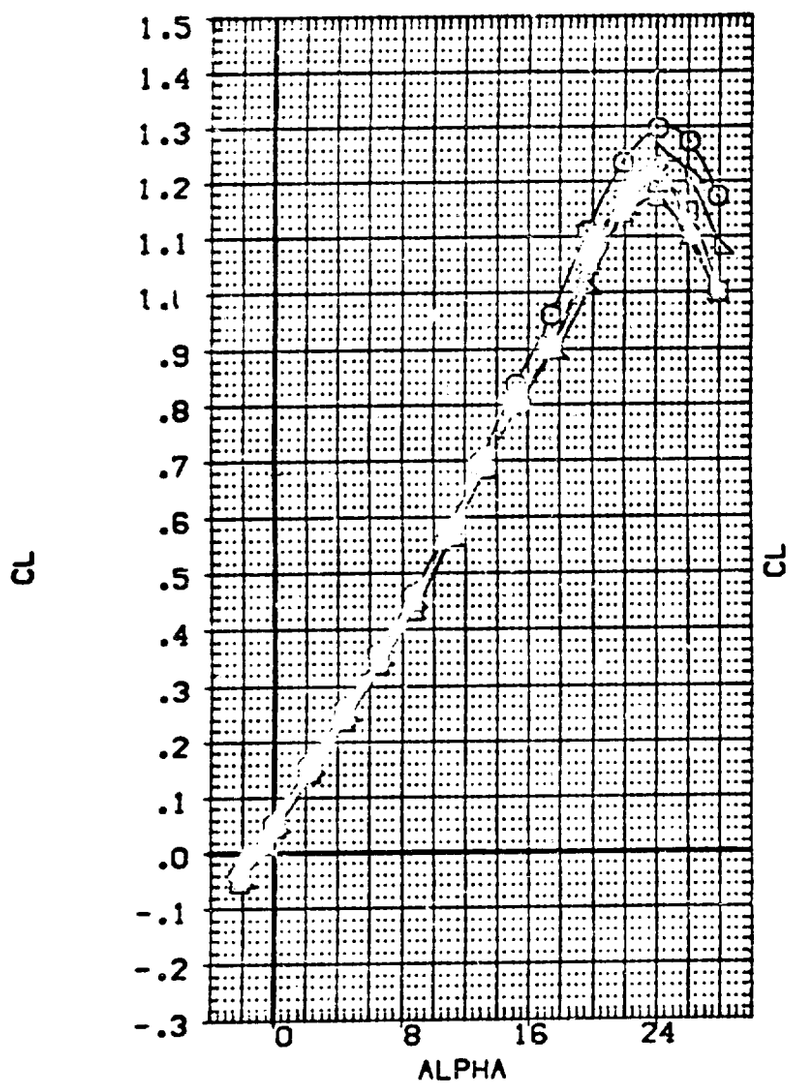
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

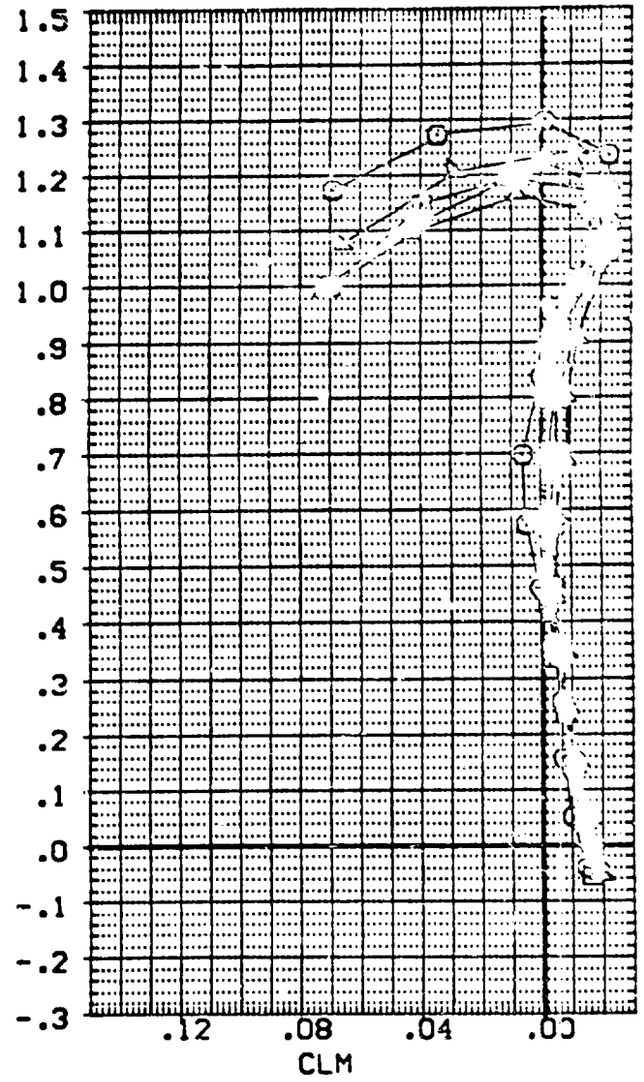
(E)RN/L = 8.34

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUOFLR	GT-LOC	K/L
(RP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	1.200
(RP7005)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	2.440
(RP7002)	◁	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	6.820
(RP7004)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1803	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





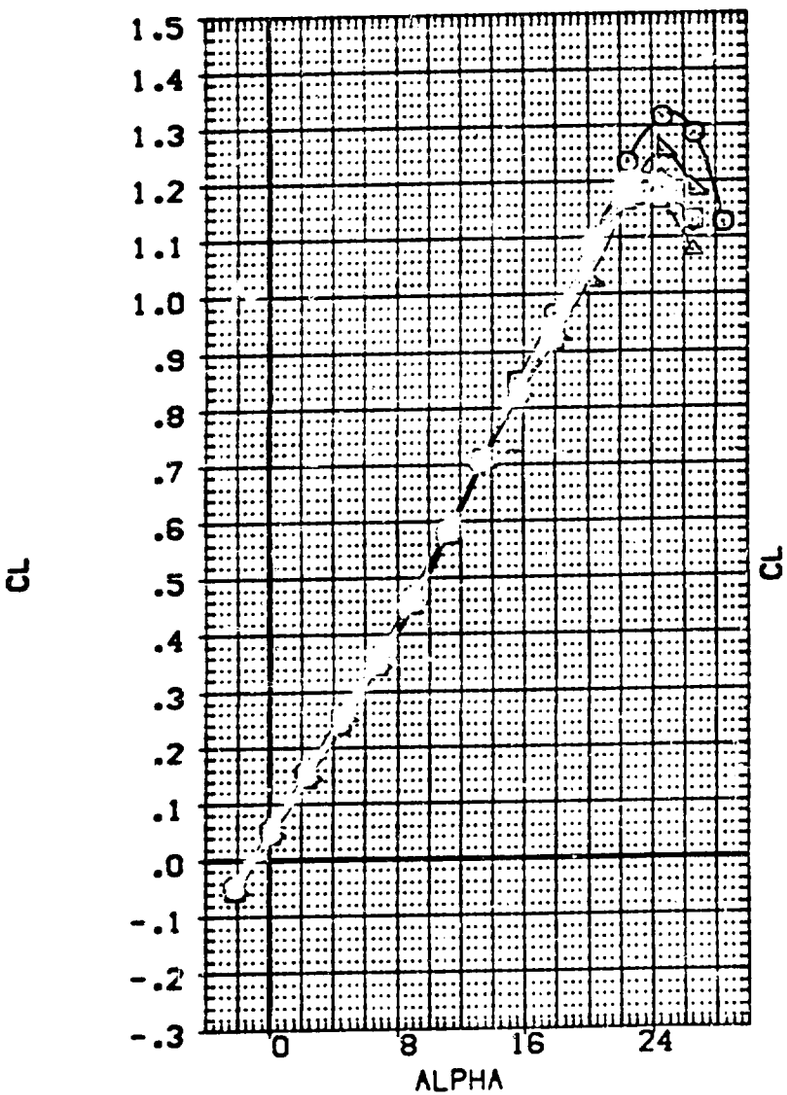
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

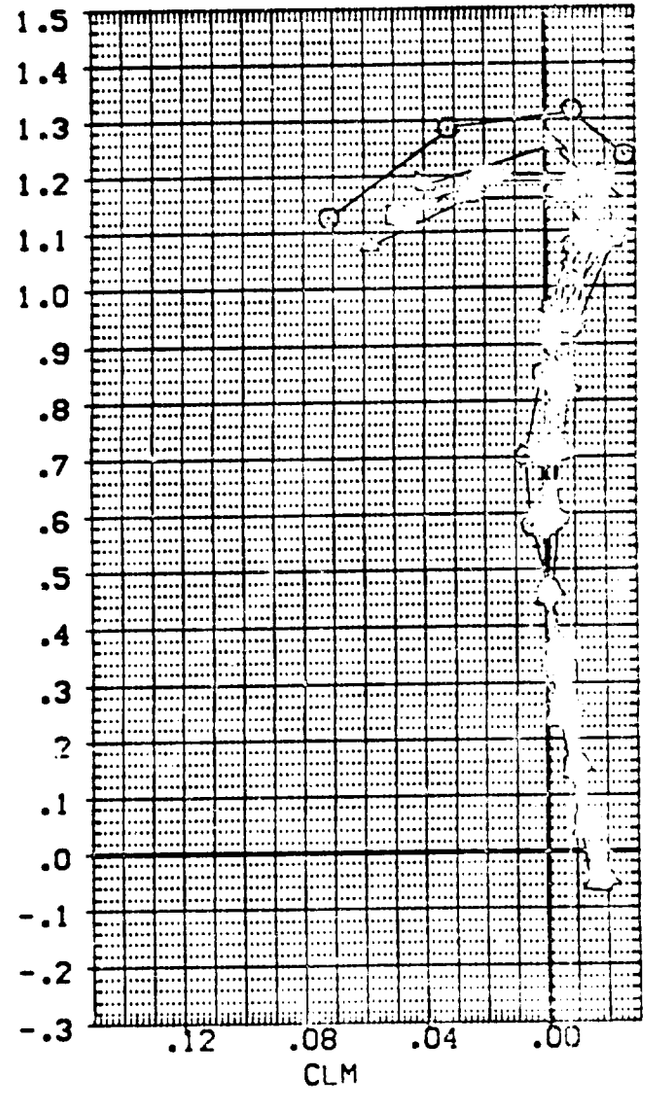
(A)RN/L = 2.47

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
(RP7005)	⊠	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5678	INCHES
XMRP	15.9338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0180	SCALE





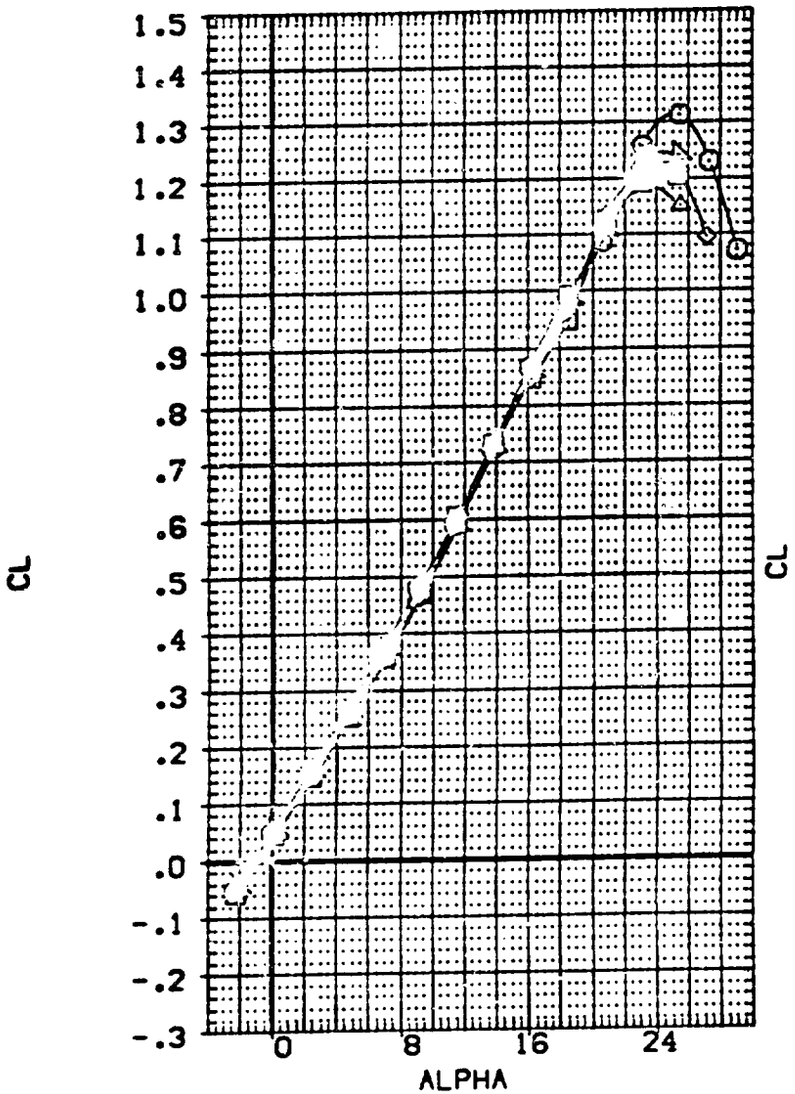
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

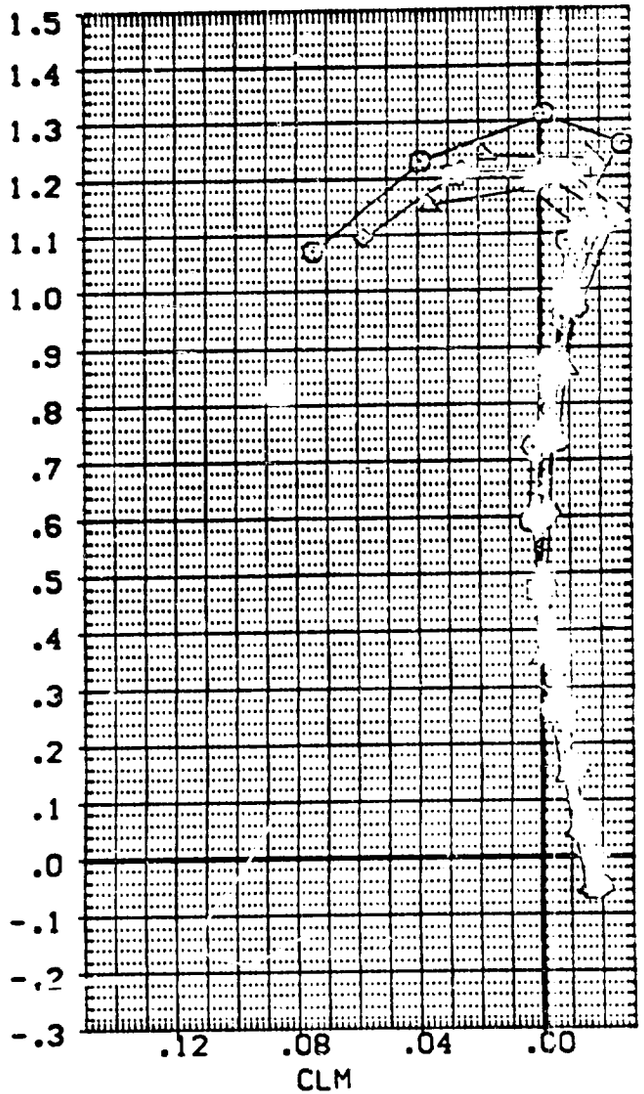
(B)RN/L = 4.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0883-MOD. NOSE +0MS
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0868-MOD. NOSE +0MS

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

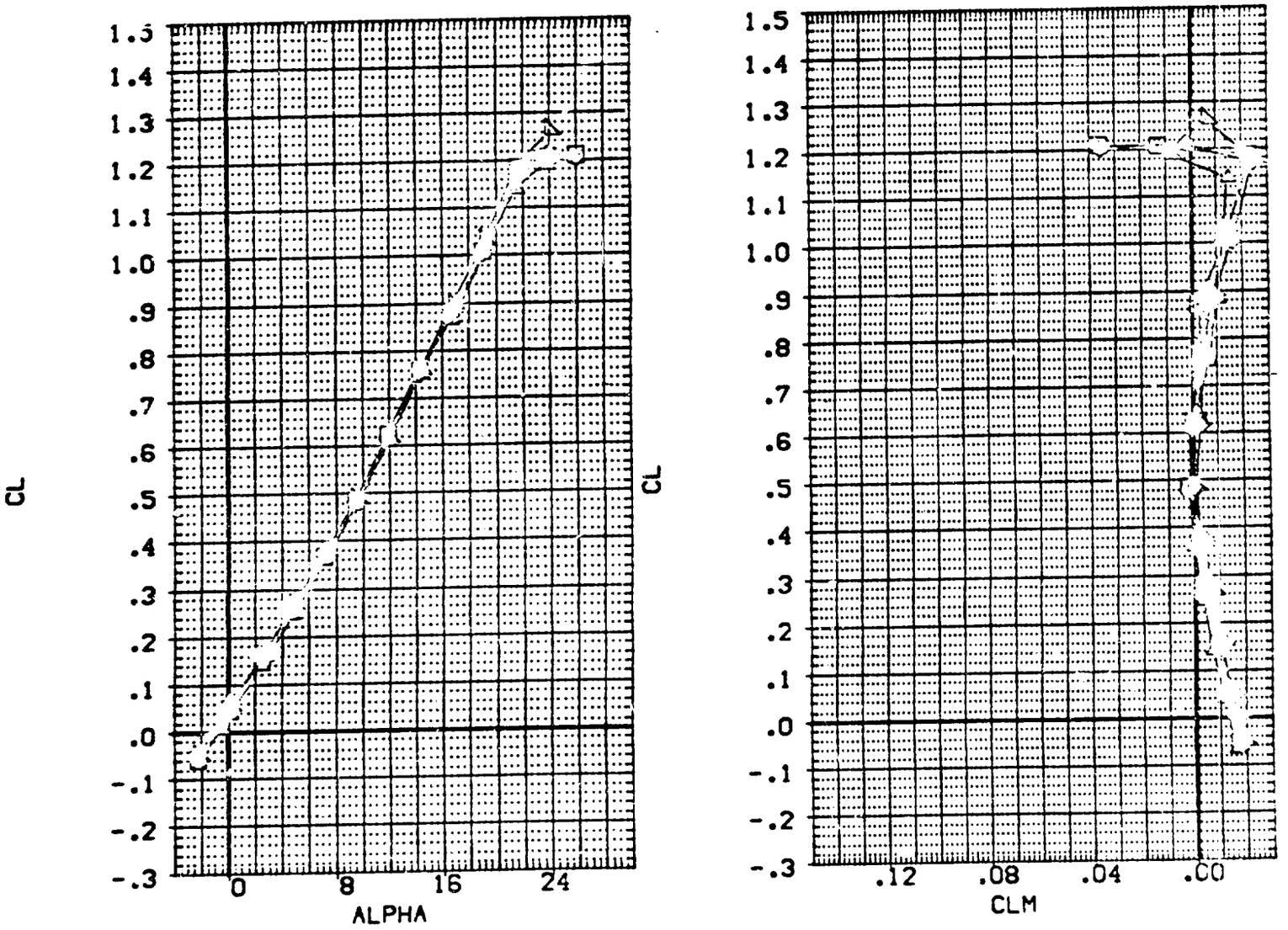
(C)RN/L = 6.02

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
[ZP7001]	○	DATA NOT AVAILABLE
[RP7007]	□	LA-9 LARC LTPT 130 NAR 0899-M00. NOSE +0.6
[RP7005]	◇	LA-9 LARC LTPT 130 NAR 0899-M00. NOSE +0.6
[RP7002]	△	LA-9 LARC LTPT 130 NAR 0899-M00. NOSE +0.6
[RP7004]	▽	LA-9 LARC LTPT 130 NAR 0899-M00. NOSE +0.6

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE



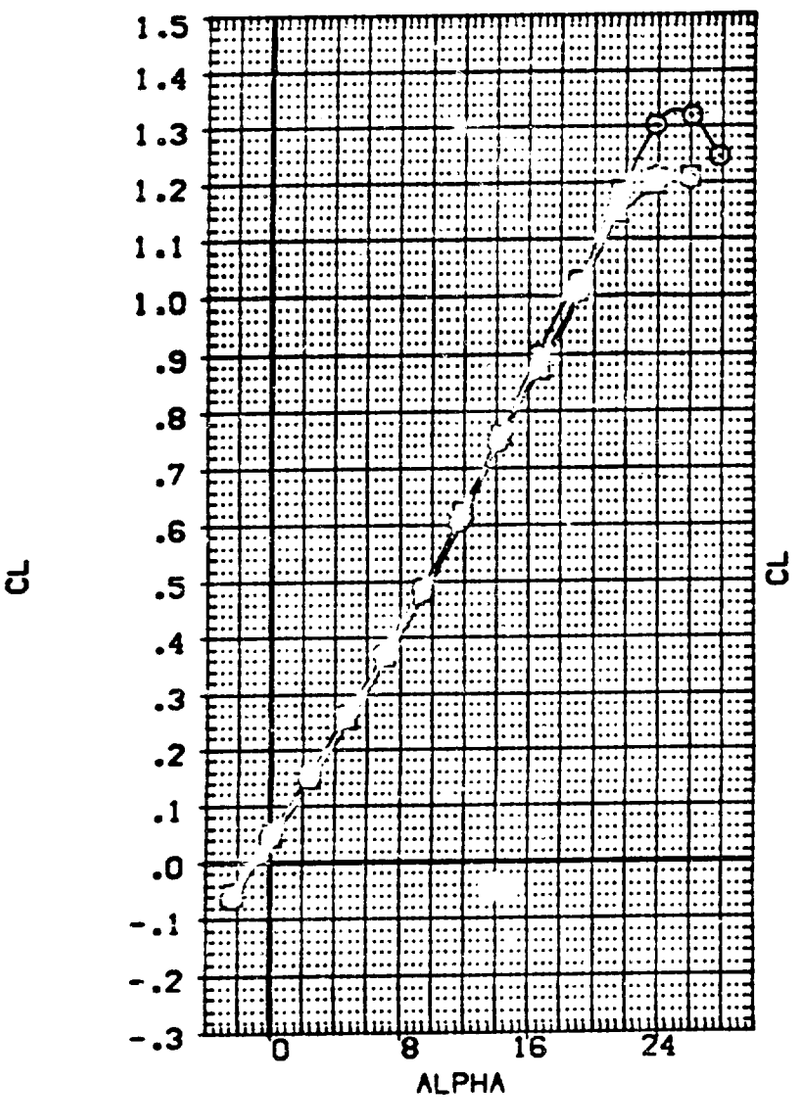
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

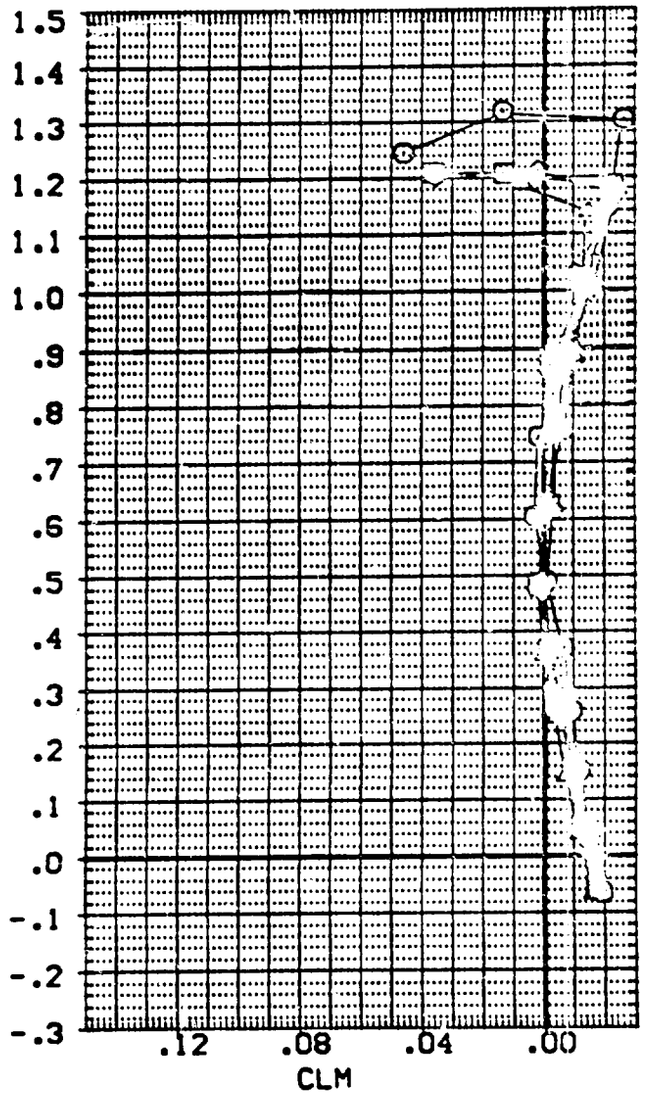
(D)RN/L = 7.71

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0833-MOD. NOSE +0MS
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7004)	▽	DATA NOT AVAILABLE

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE





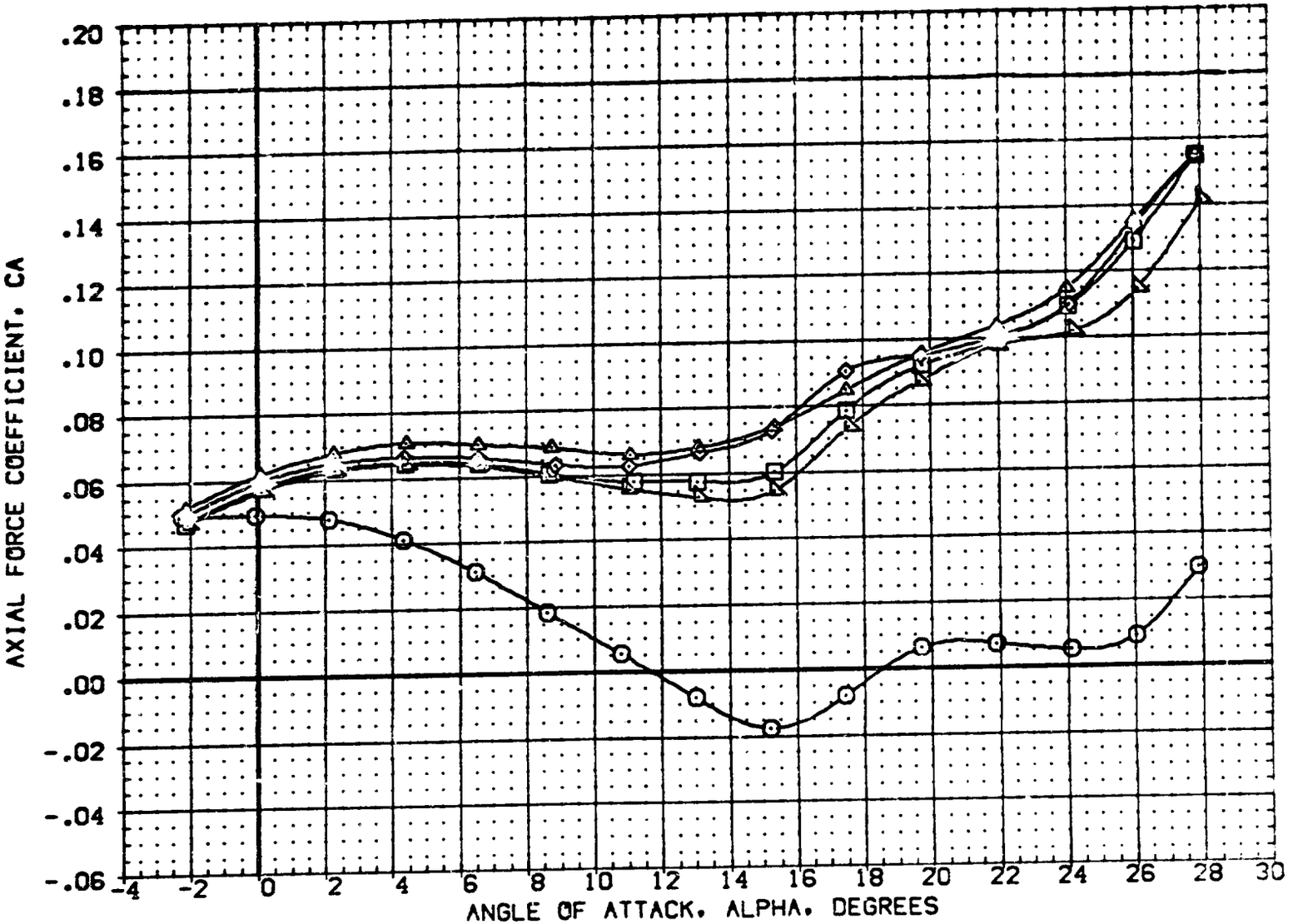
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(E)RN/L = 8.34

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	.000
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +0%	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +0%	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.8613	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE

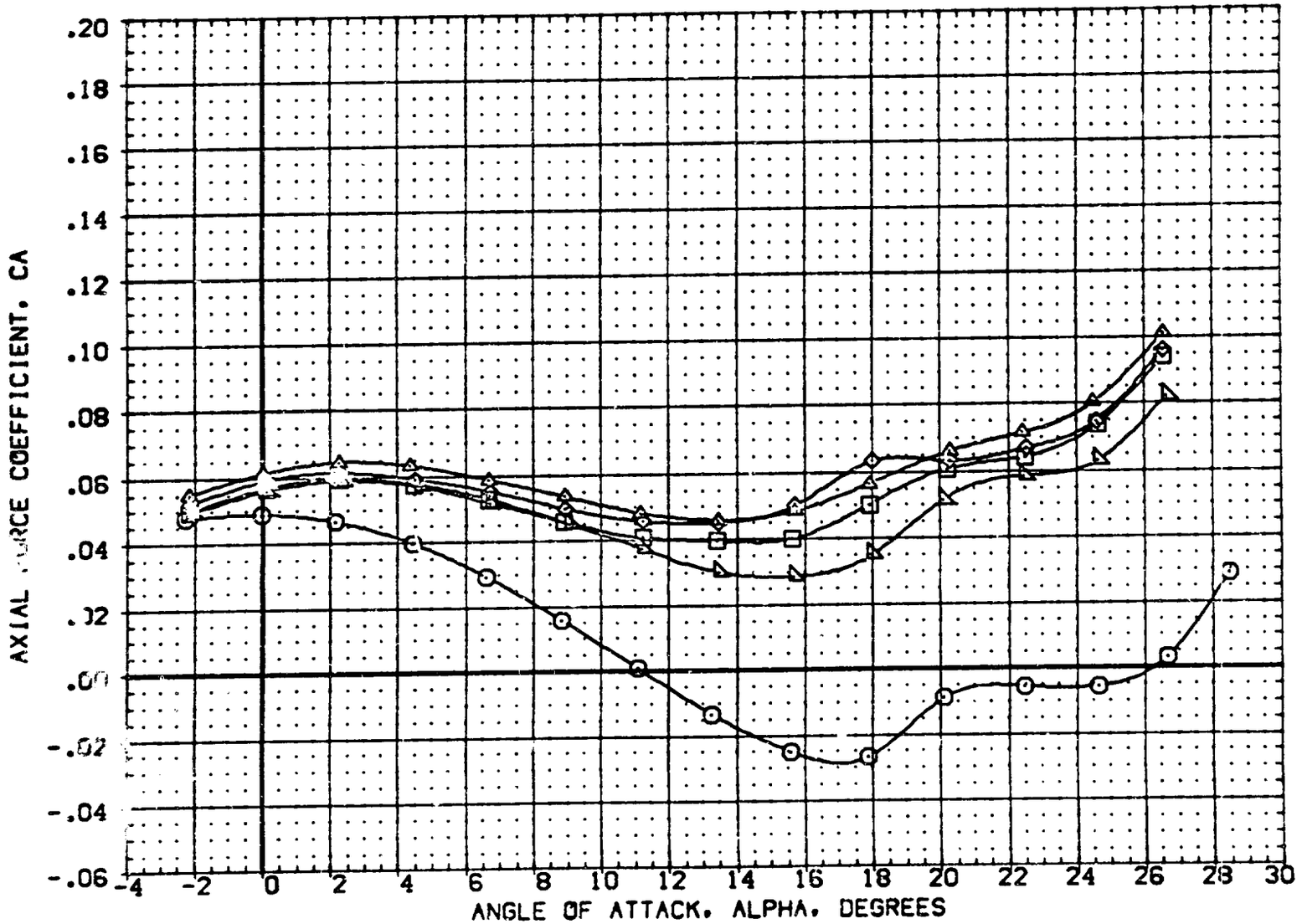


EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.47

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9639	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



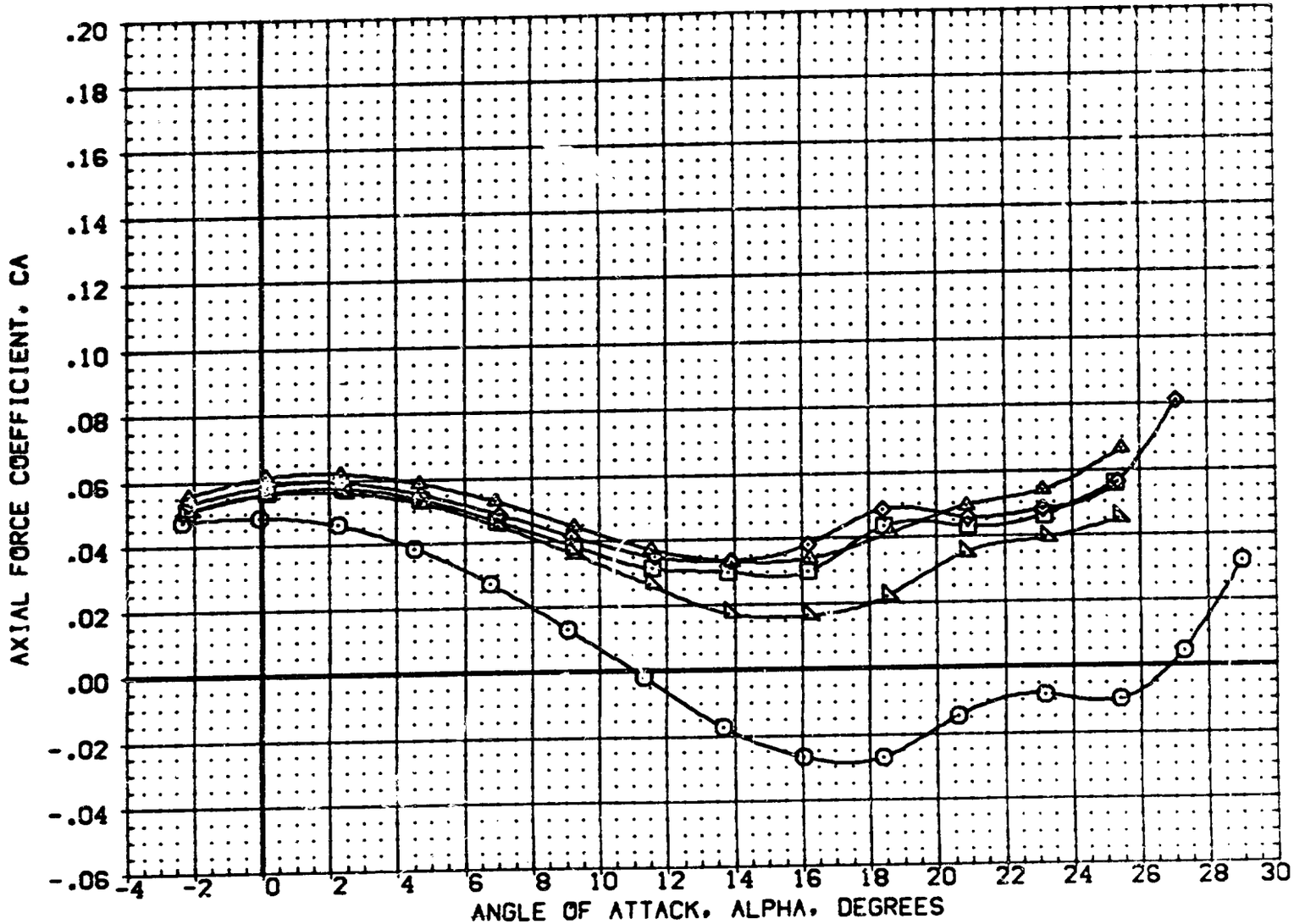
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(B)RN/L = 4.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



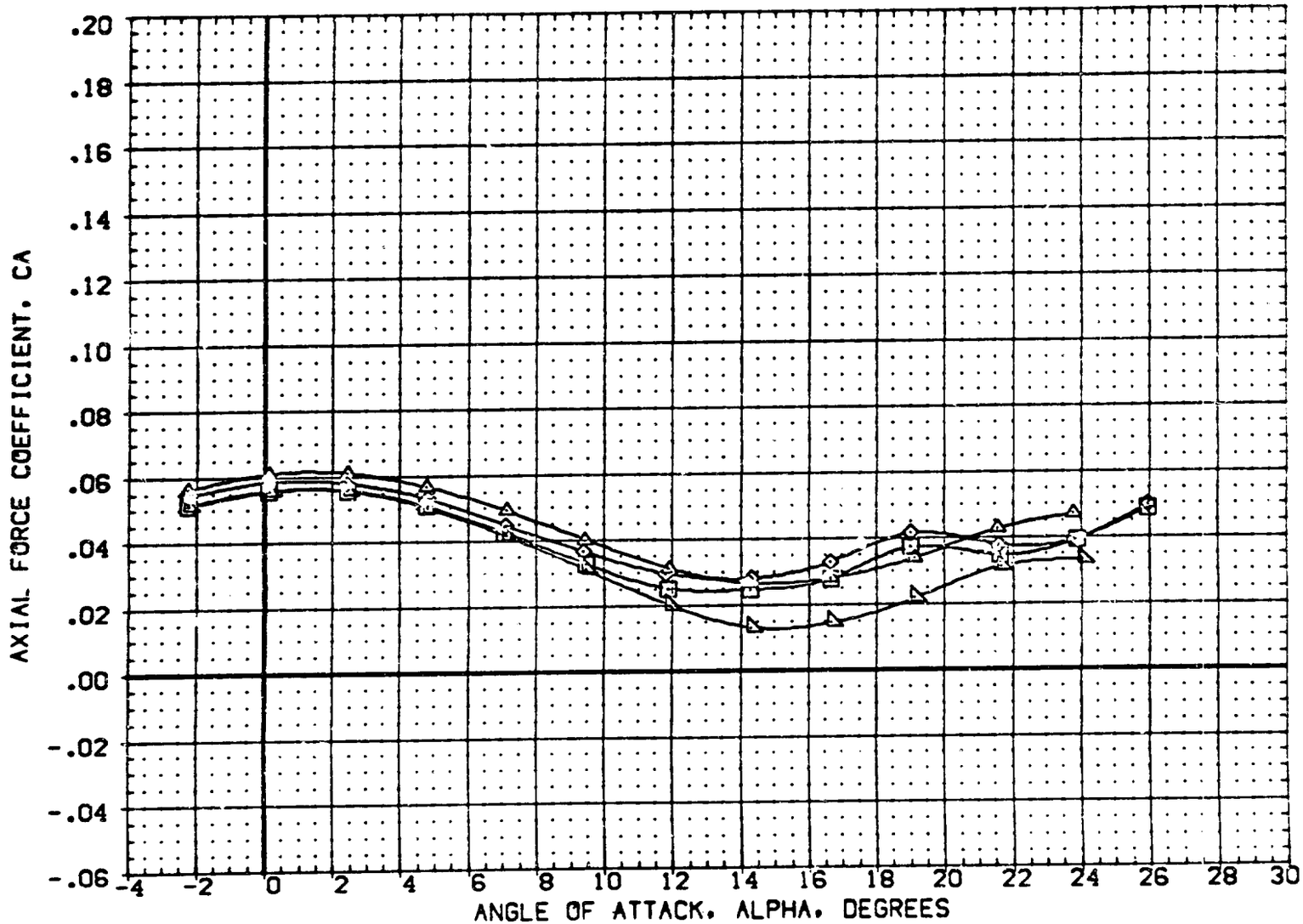
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(C)RN/L = 6.02

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	○	DATA NOT AVAILABLE	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820
(RP7004)	▷	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	135.1928	SQ.IN.
LREF	8.9375	INCHES
BREF	17.5000	INCHES
XMRP	15.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



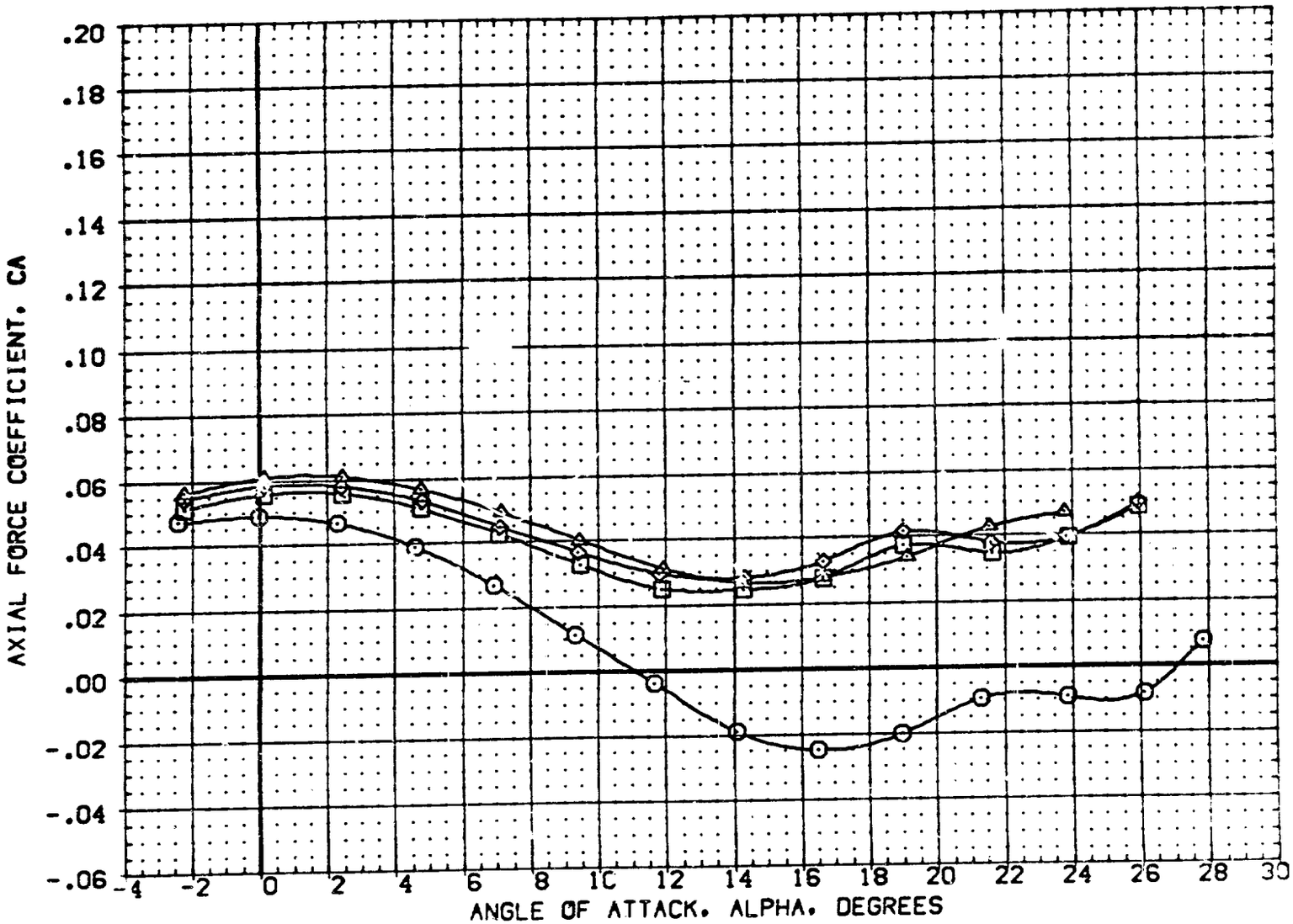
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(D)RN/L = 7.71

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[RP7001]	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
[RP7007]	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
[RP7005]	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
[RP7002]	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820
[RP7004]	△	DATA NOT AVAILABLE	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1809	SQ.IN.
LREF	8.8025	INCHES
BREF	17.5623	INCHES
XMRP	15.9333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE



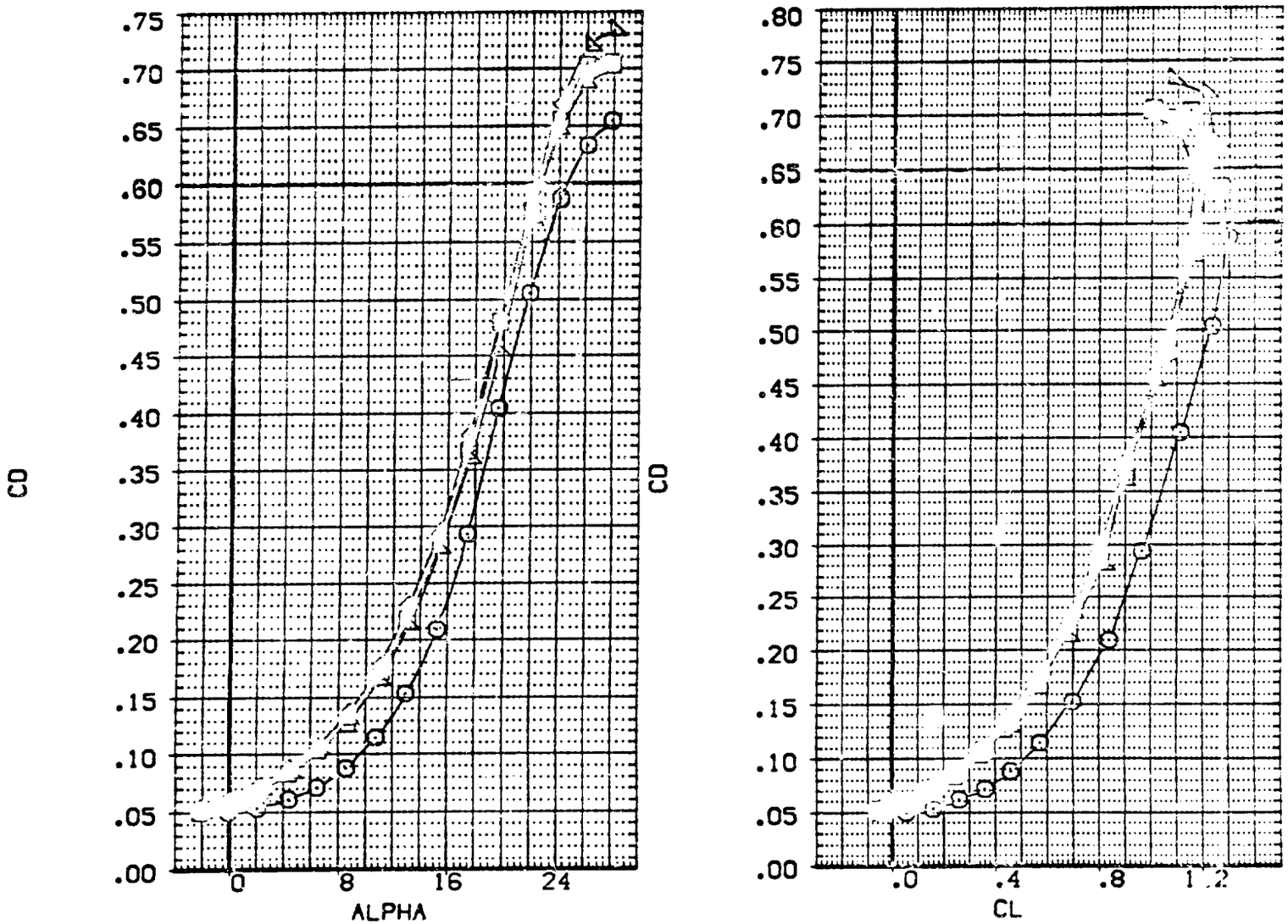
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(E)RN/L = 8.34

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	6.820
(RP7004)	◁	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	135.1903	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5028	INCHES
XMRP	15.9333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE



EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.47

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0899-1100. NOSE +0%	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0899-1100. NOSE +0%	.000	.000	1.000	1.200
(RP7005)	○	LA-9 LARC LTPT 130 NAR 0899-1100. NOSE +0%	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0899-1100. NOSE +0%	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0899-1100. NOSE +0%	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	135.1823	SQ.IN.
LREF	8.9115	INCHES
BREF	17.9373	INCHES
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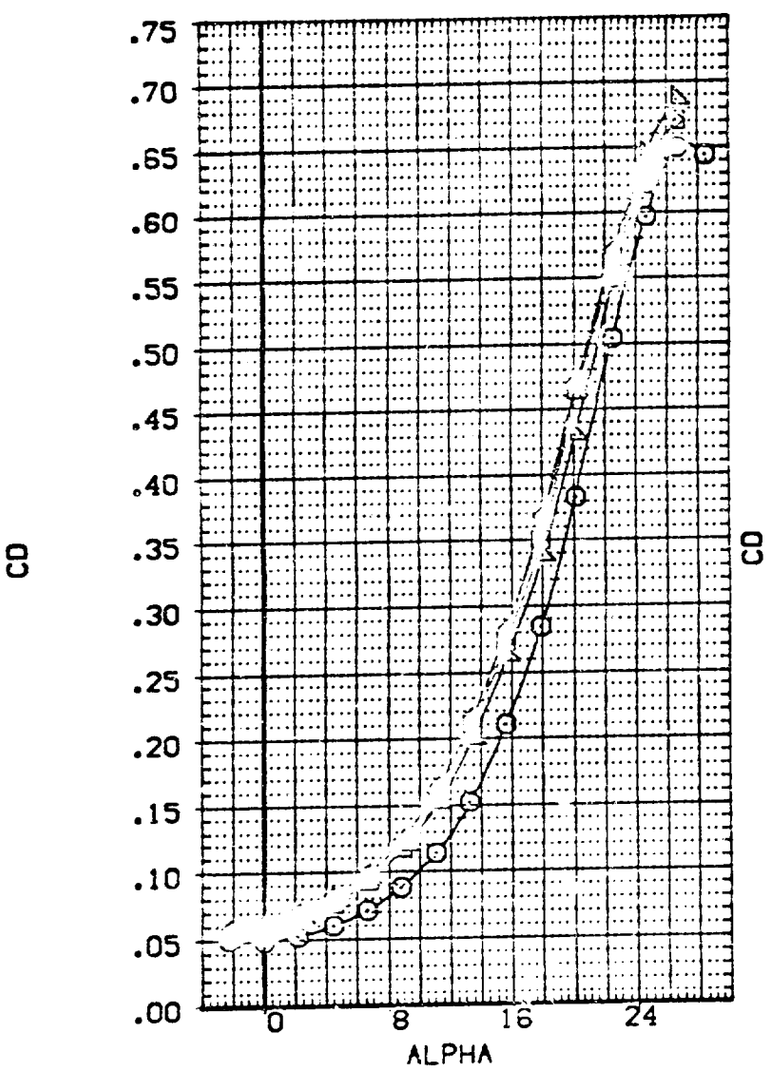
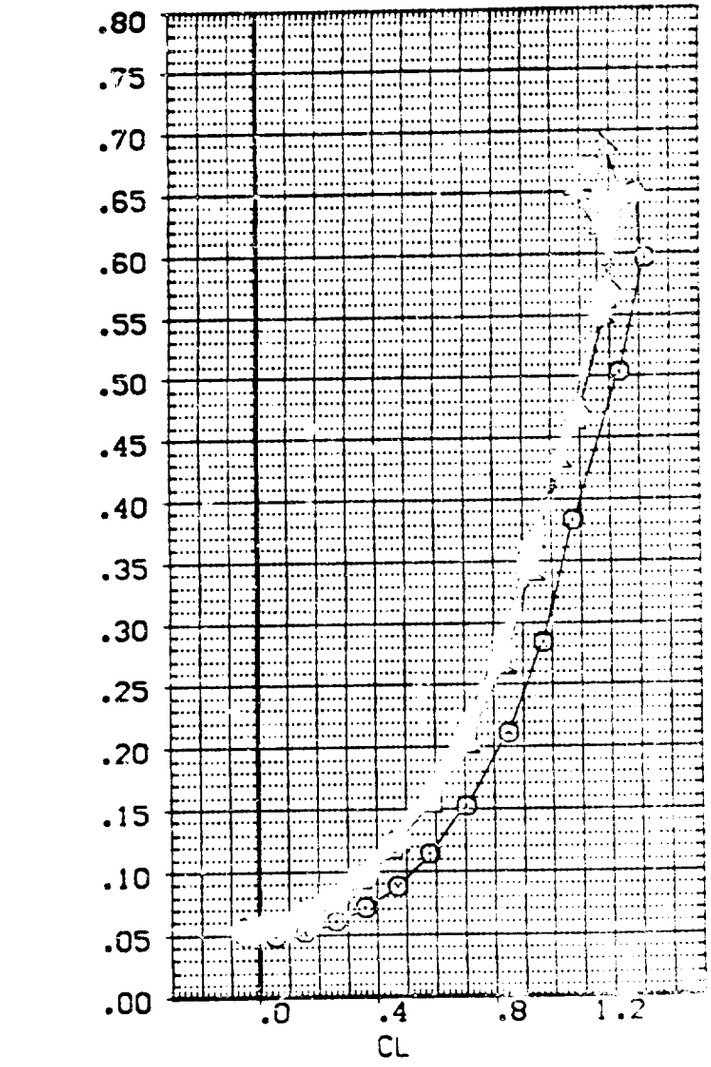
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

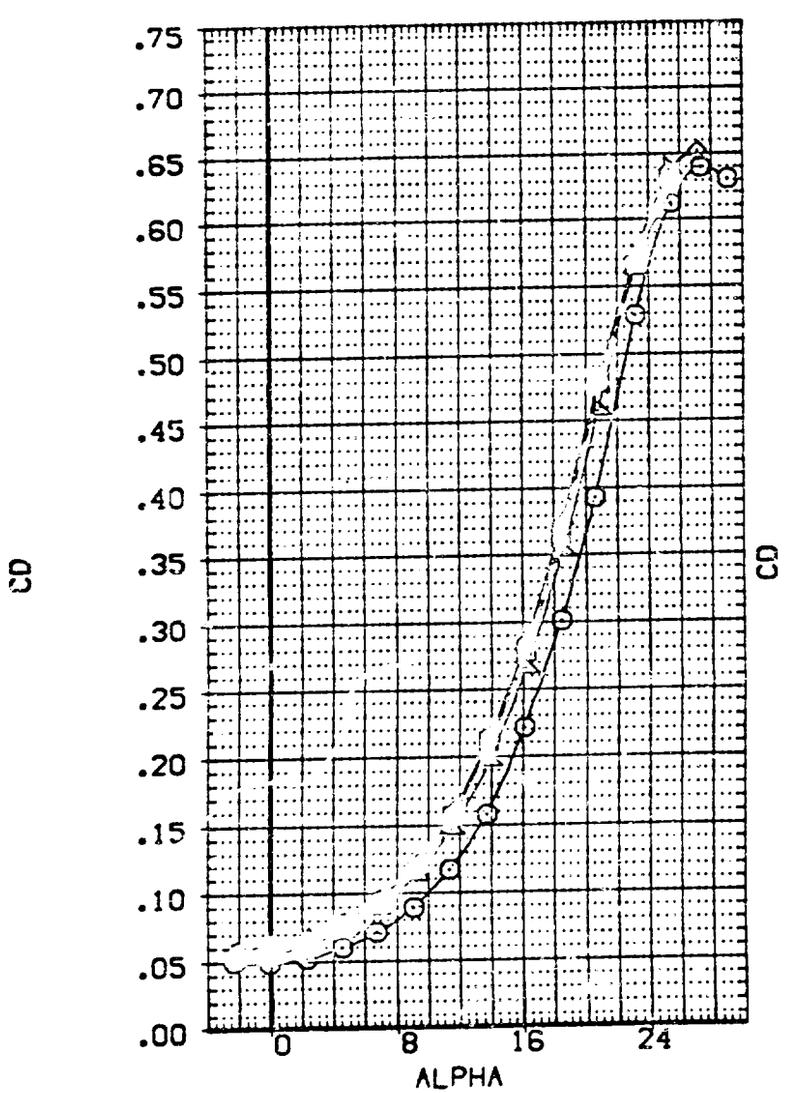
(B)RN/L = 4.08

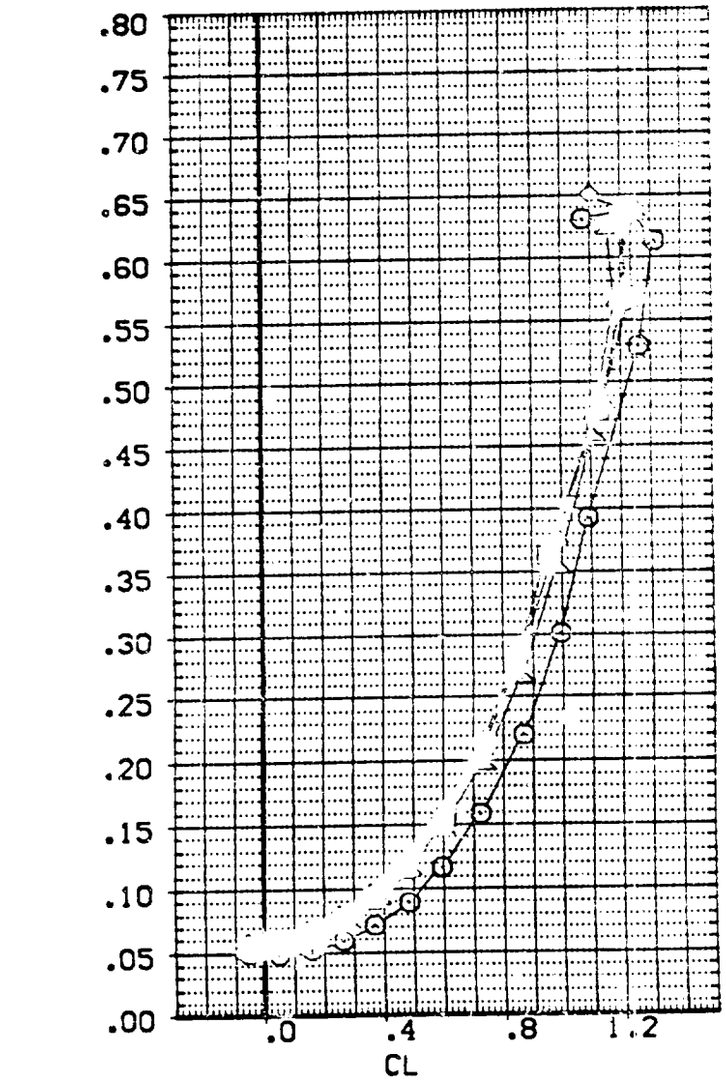
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0%
(RP7007)		LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0%
(RP7005)		LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0%
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0%
(RP7004)		LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0%

BETA	RUDFLR	ST-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9276	INCHES
BREF	17.5628	INCHES
XMRP	15.9338	INCHES
ZMRP	.0000	INCHES
ZSRP	.0000	INCHES
SCALE	.0103	SCALE





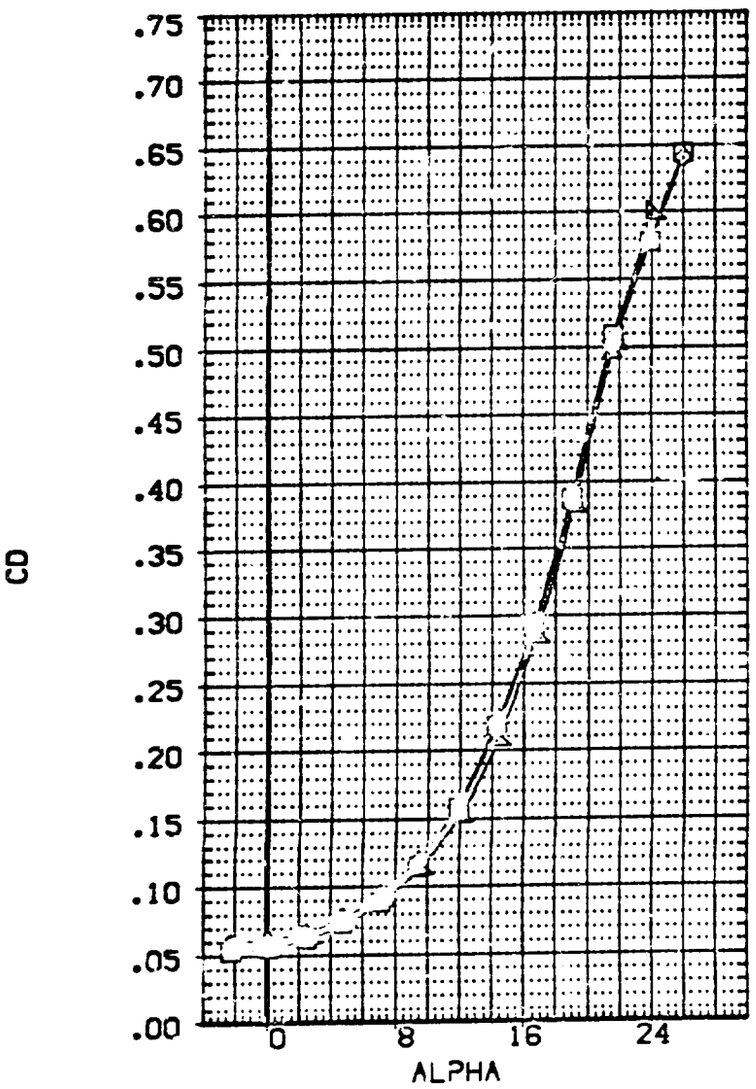
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

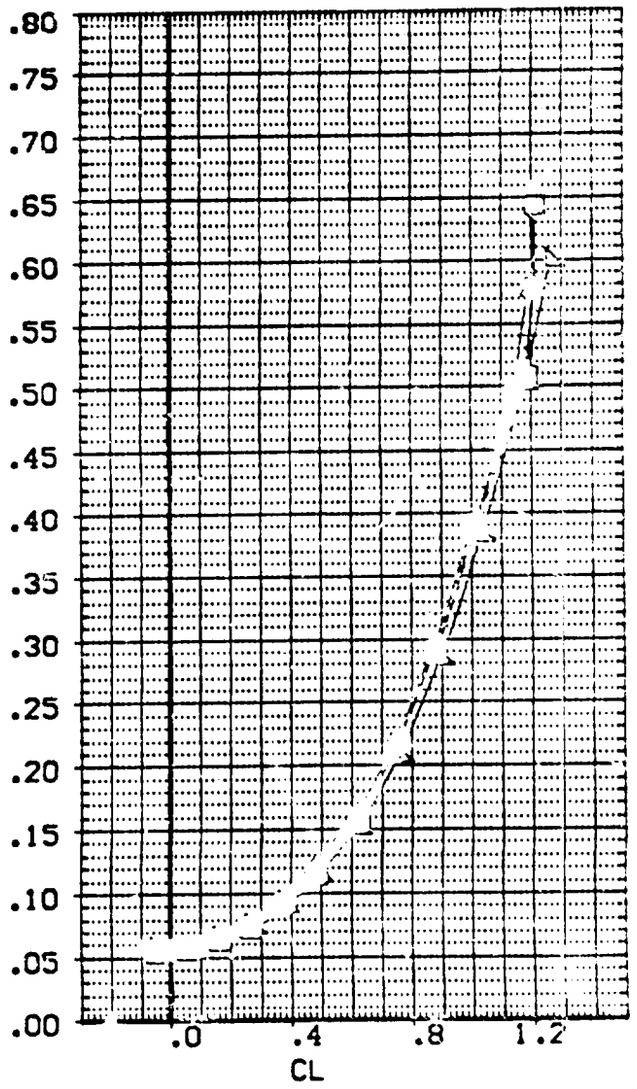
(C)RN/L = 6.02

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	DATA NOT AVAILABLE
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7002)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7004)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS

BETA	RLOFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	1.200
.000	.000	1.000	2.440
.000	.000	1.000	6.820
.000	.000	3.000	6.620

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9625	INCHES
BREF	17.5823	INCHES
XMRP	15.8803	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE





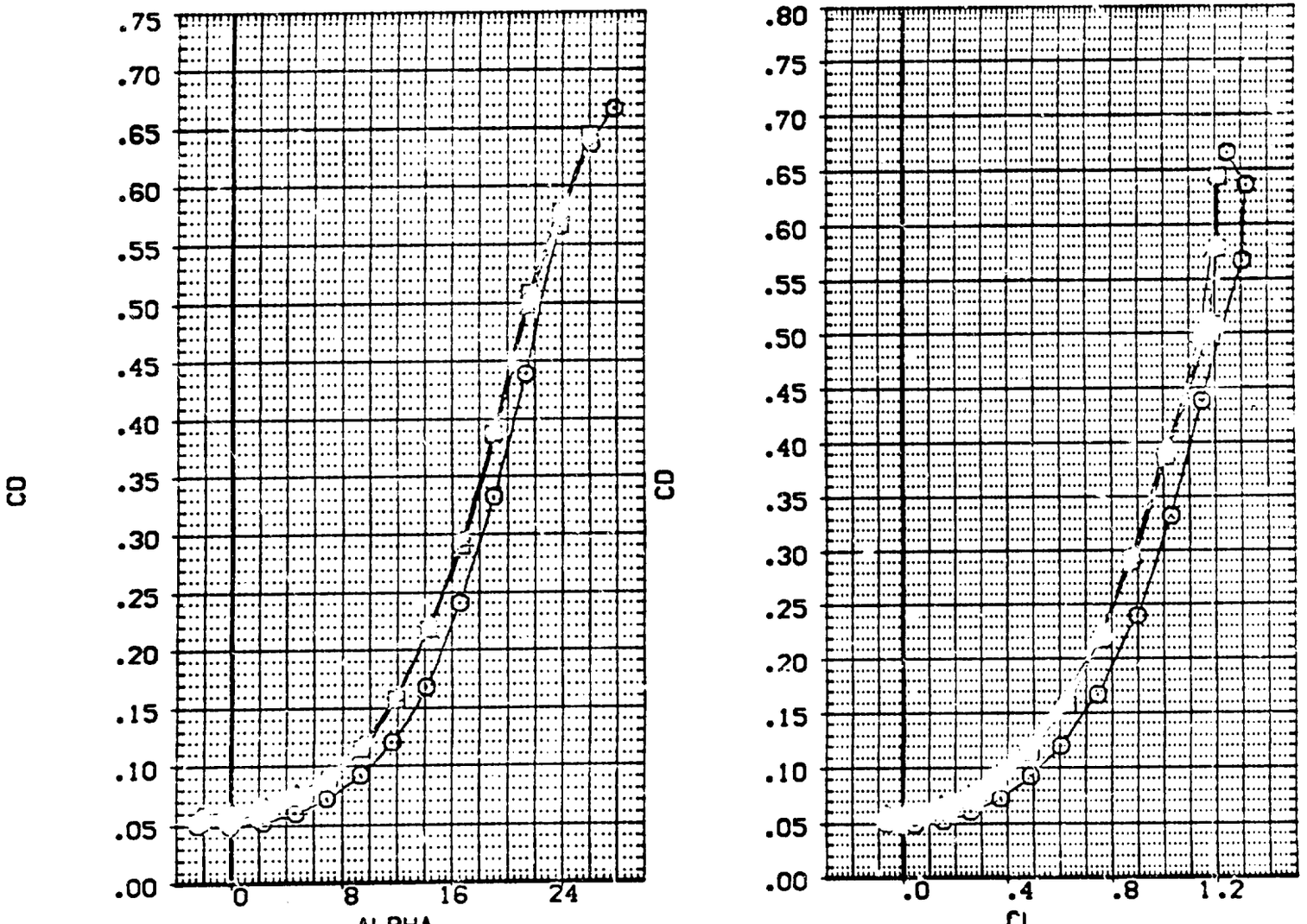
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(D*RN/L = 7.71

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7004)	▽	DATA NOT AVAILABLE

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	[illegible]
.000	.000	1.000	2.450
.000	.000	1.000	6.820
.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9825	INCHES
BREF	17.[illegible]	INCHES
XMRP	15.[illegible]	INCHES
YMRP	.[illegible]	INCHES
ZMRP	.[illegible]	INCHES
SCALE	.0103	SCALE



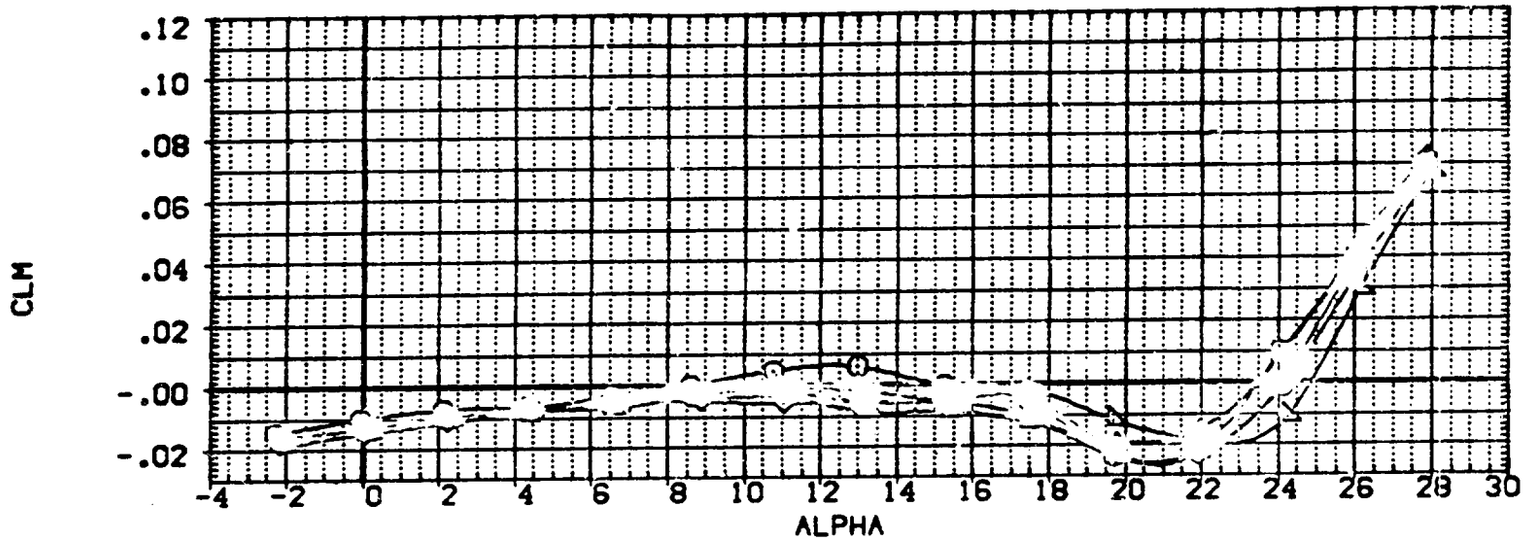
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

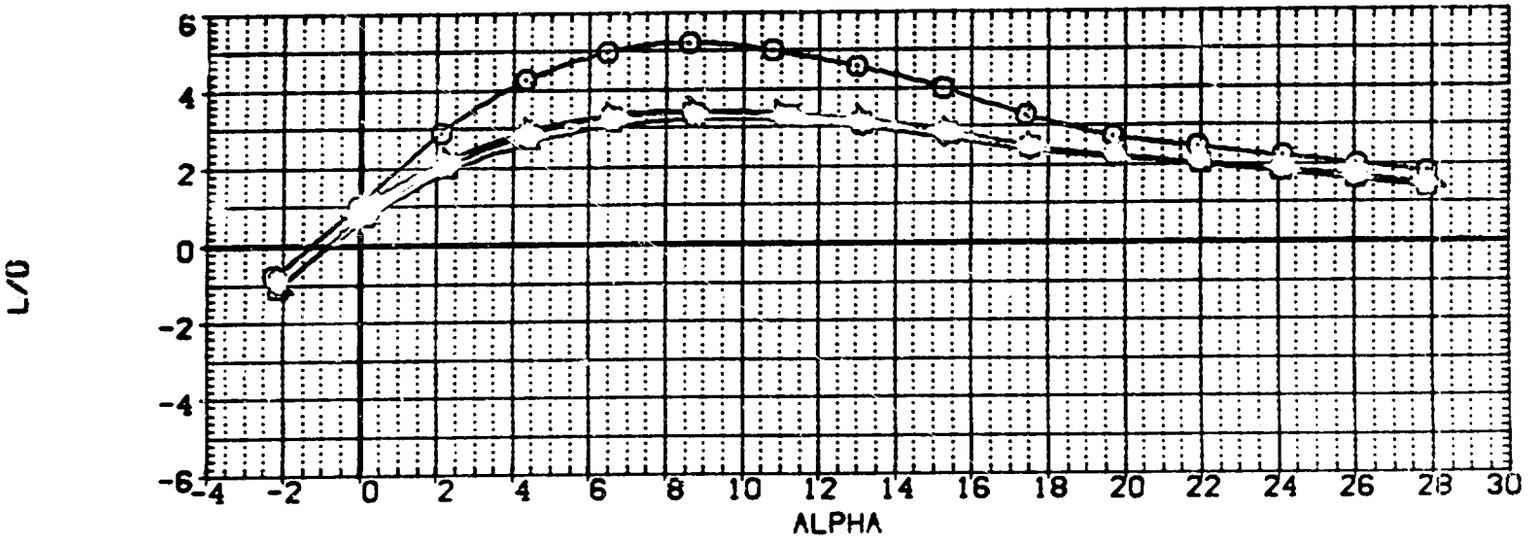
(E)RN/L = 8.34

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	M/L
(RP7001)	□	LA-9 LARC LTPT 130 NAR 0893-H00. NOSE +0%	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	1.000	1.200
(RP7005)	▽	LA-9 LARC LTPT 130 NAR 0893-H00. NOSE +0%	.000	.000	1.000	2.440
(RP7002)	⊠	LA-9 LARC LTPT 130 NAR 0893-H00. NOSE +0%	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1803	SQ.IN.
LREF	8.9026	INCHES
BREF	17.5128	INCHES
XMRP	15.9000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



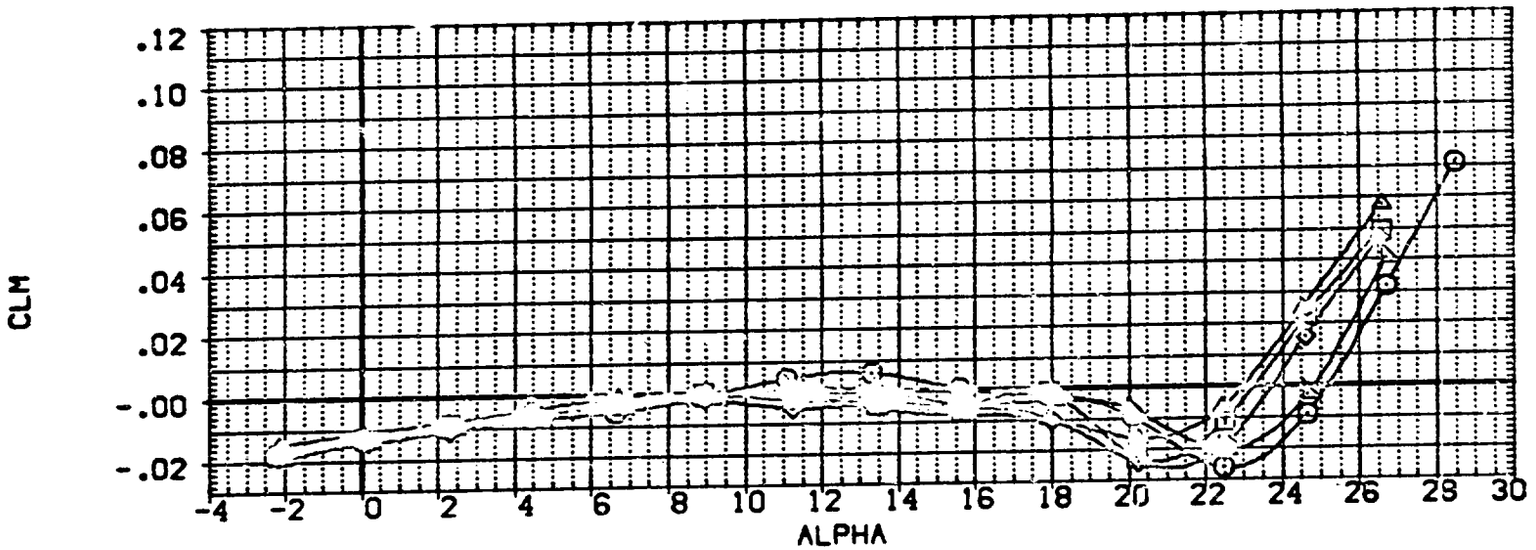


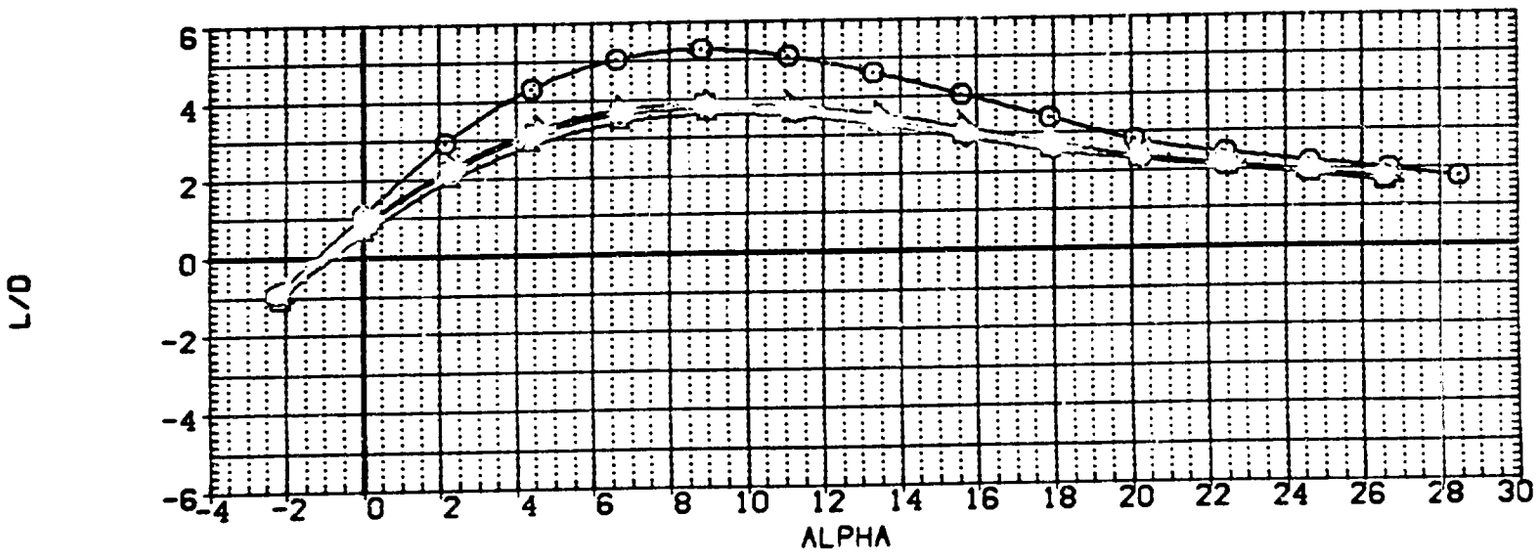
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.47

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7007)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
(RP7005)	⊠	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.620

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9583	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE



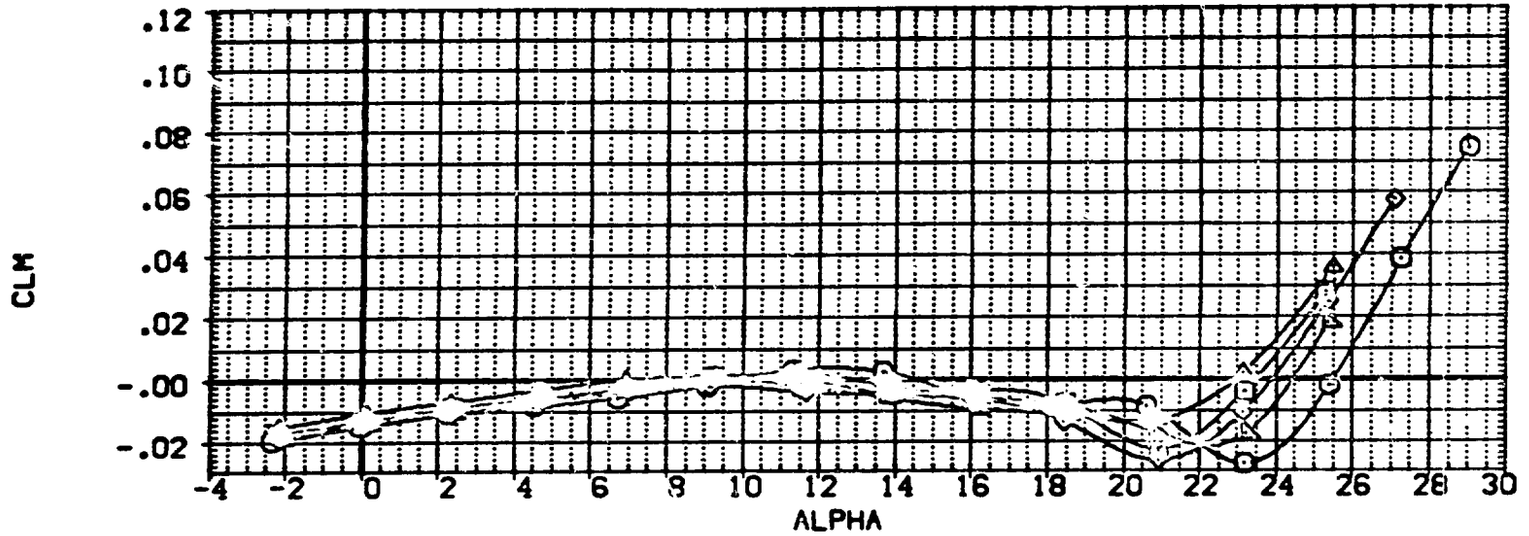


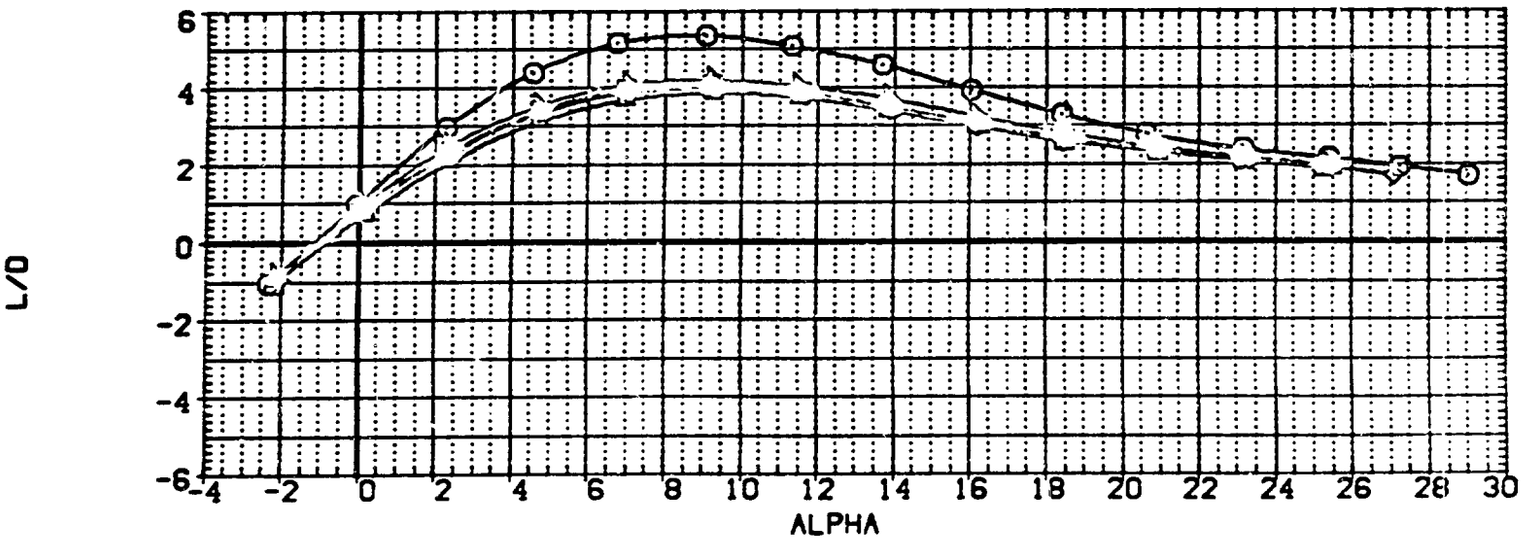
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(B)RN/L = 4.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)	○	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +CMS	.000	.000	1.000	.000
(RP7007)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +CMS	.000	.000	1.000	1.200
(RP7005)	◇	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +CMS	.000	.000	1.000	2.440
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	5.820
(RP7004)	▽	LA-9 LARC LTPT 130 NAR 0893-MOD. NOSE +CMS	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE





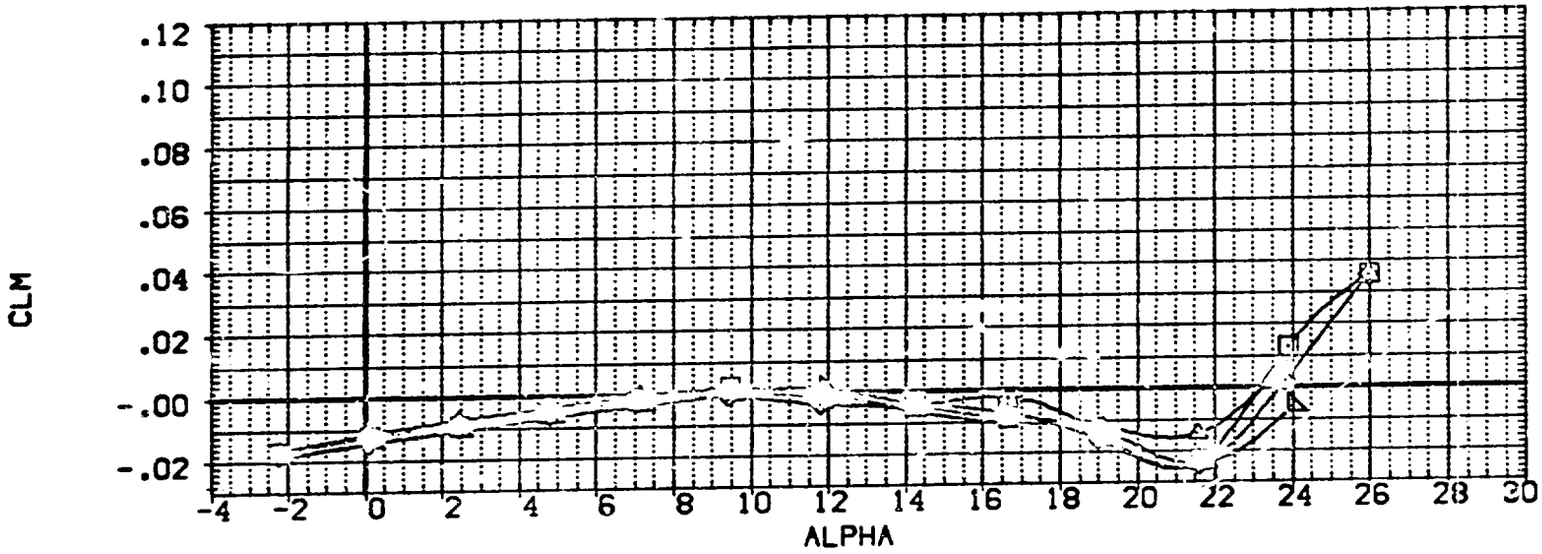
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

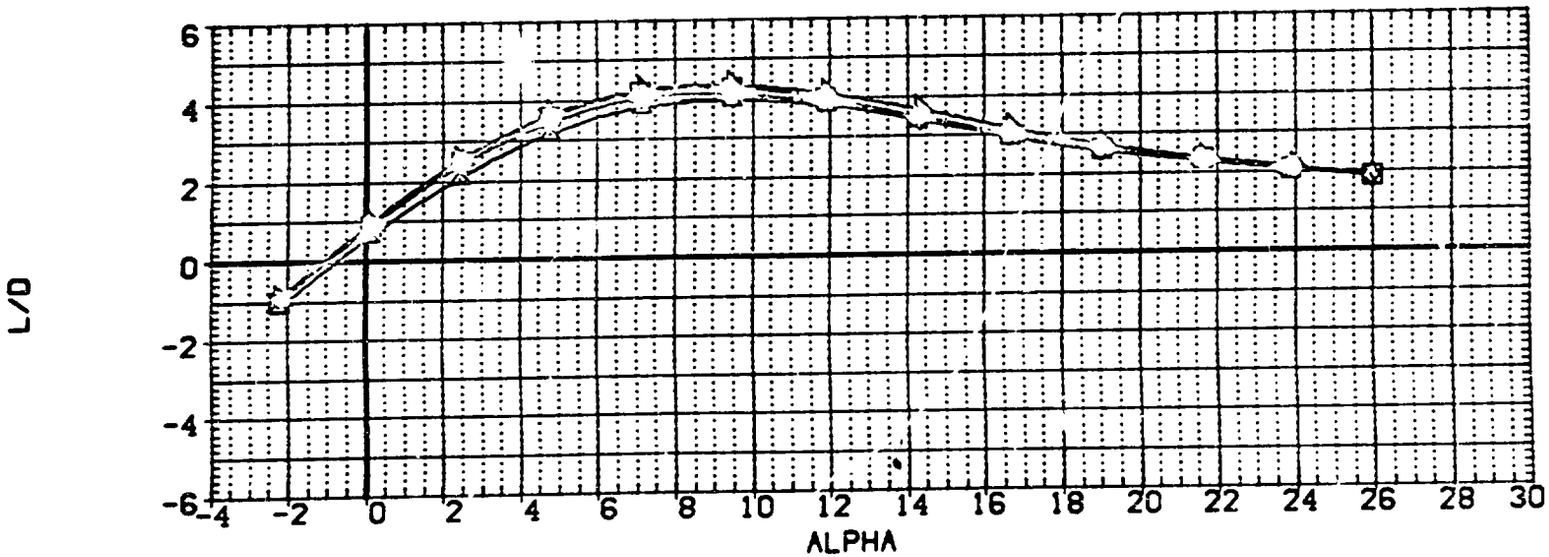
(C)RN/L = 6.02

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7001)		DATA NOT AVAILABLE				
(RP7007)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7005)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
(RP7002)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(RP7004)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



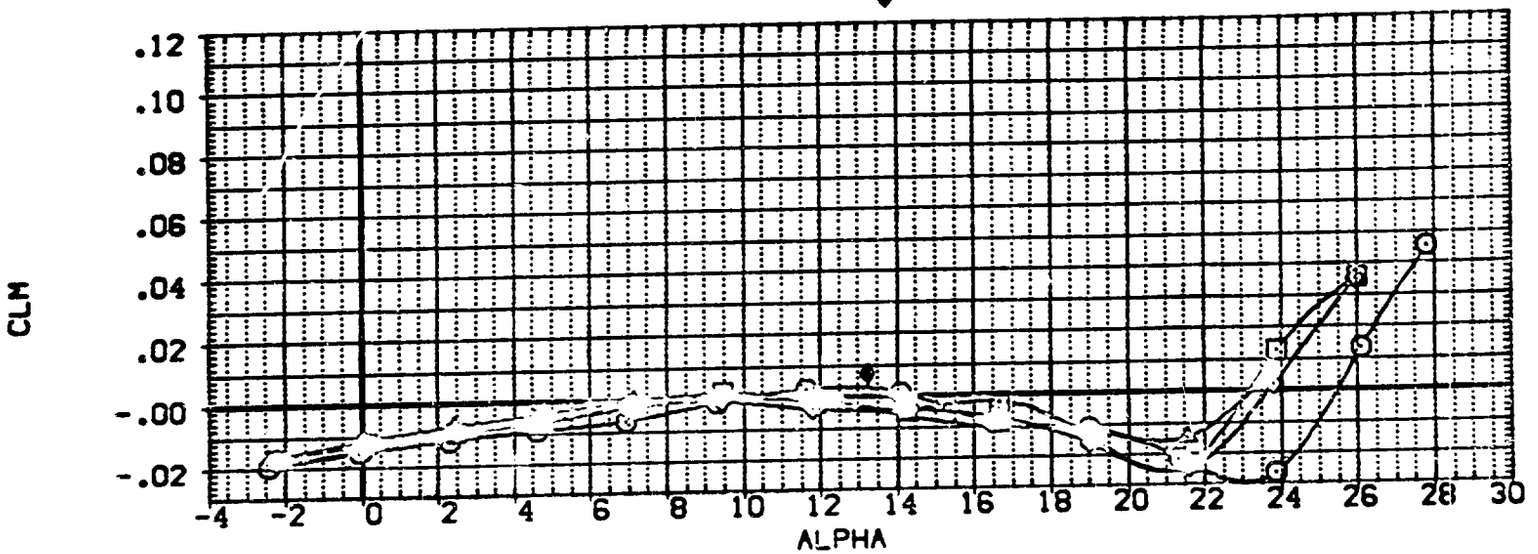


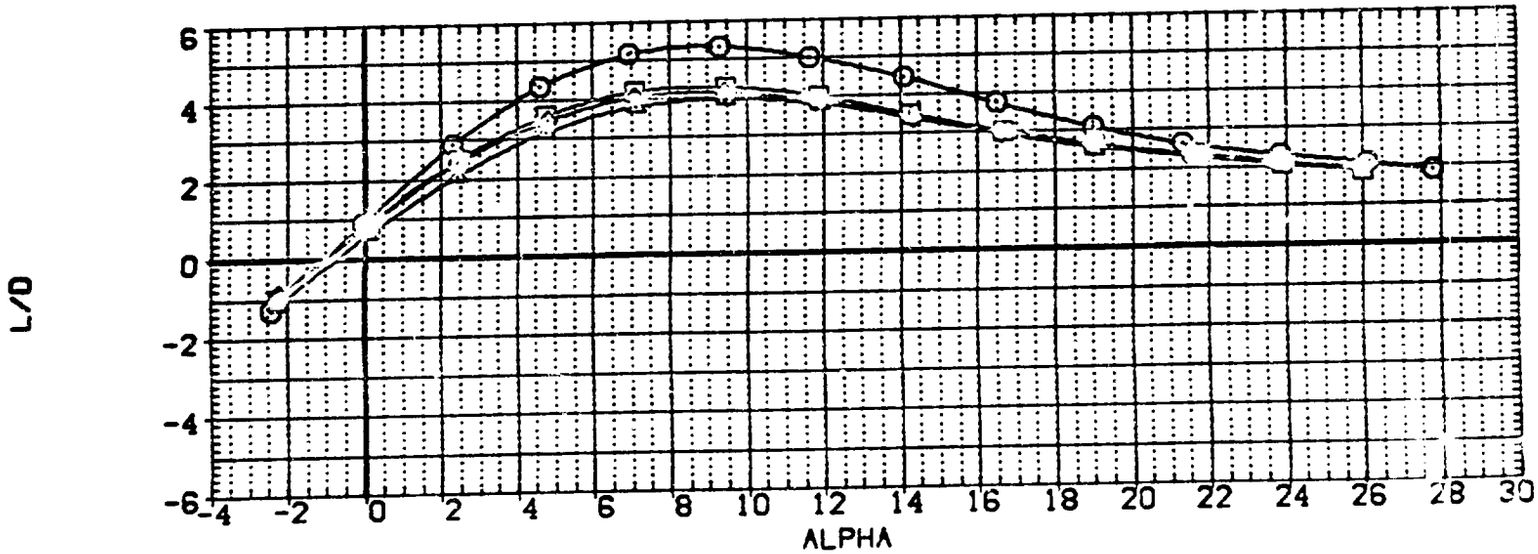
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(D)RN/L = 7.71

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	IIETA	RUDFLR	GT-LOC	K/L
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	1.000	.000
(R97027)	○	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	1.000	1.200
(R97035)	◇	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	1.000	2.440
(R97002)	△	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%	.000	.000	1.000	6.820
(R97004)		DATA NOT AVAILABLE	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1809	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5523	INCHES
XMRP	15.9632	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



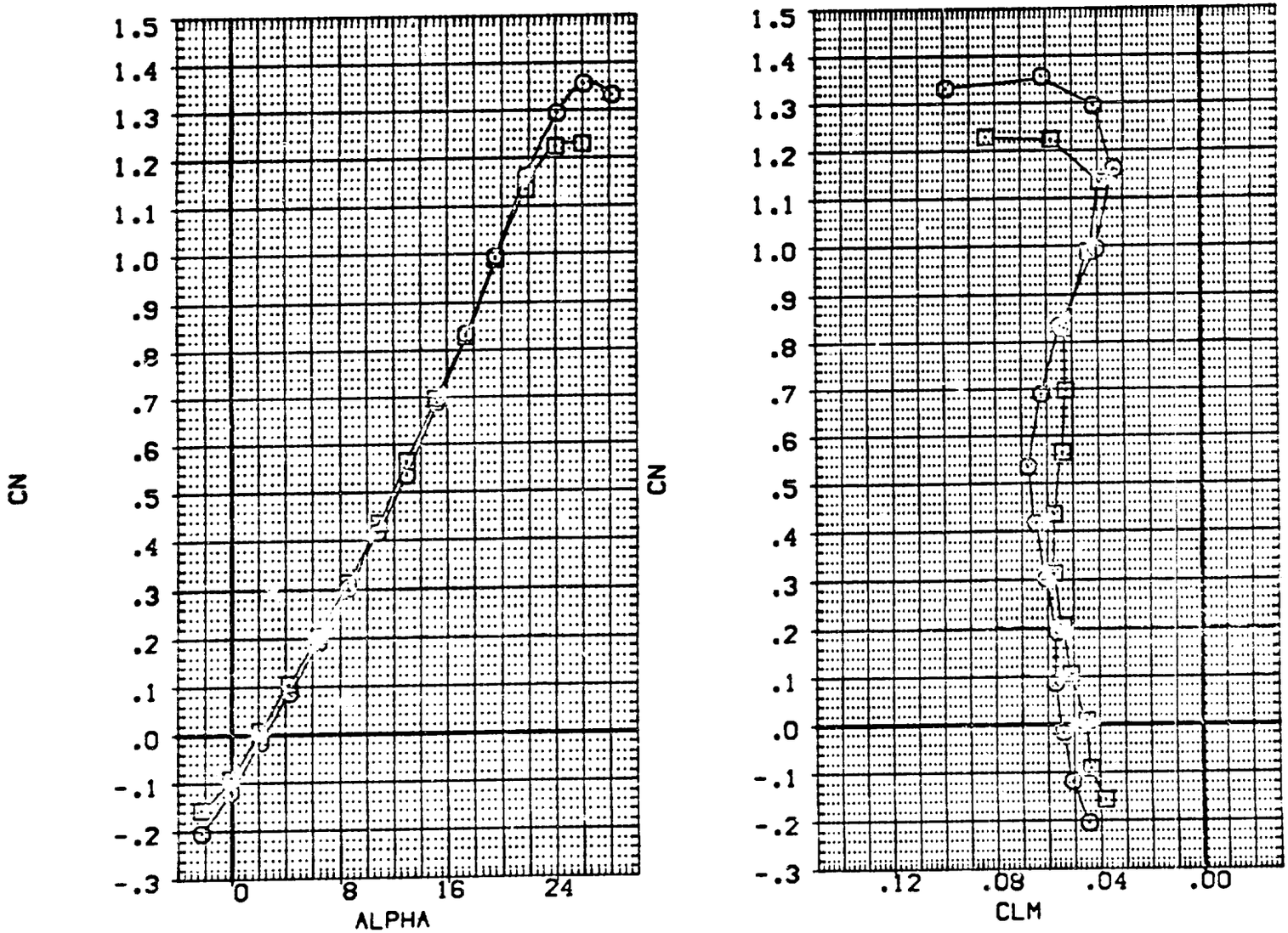


EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=0 DEG.)

(E)RN/L = 8.34

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	.000	.000	1.000	.000
(RP7003)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.5035	INCHES
BREF	17.5628	INCHES
XMRP	15.5558	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE

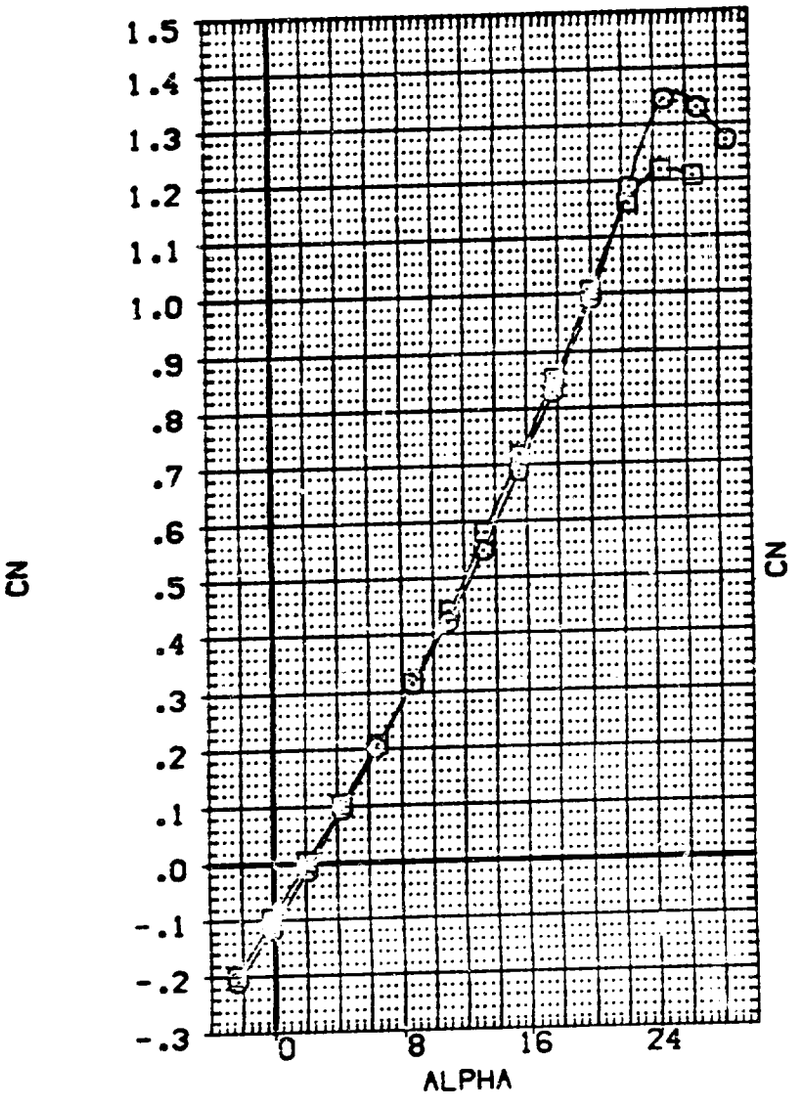


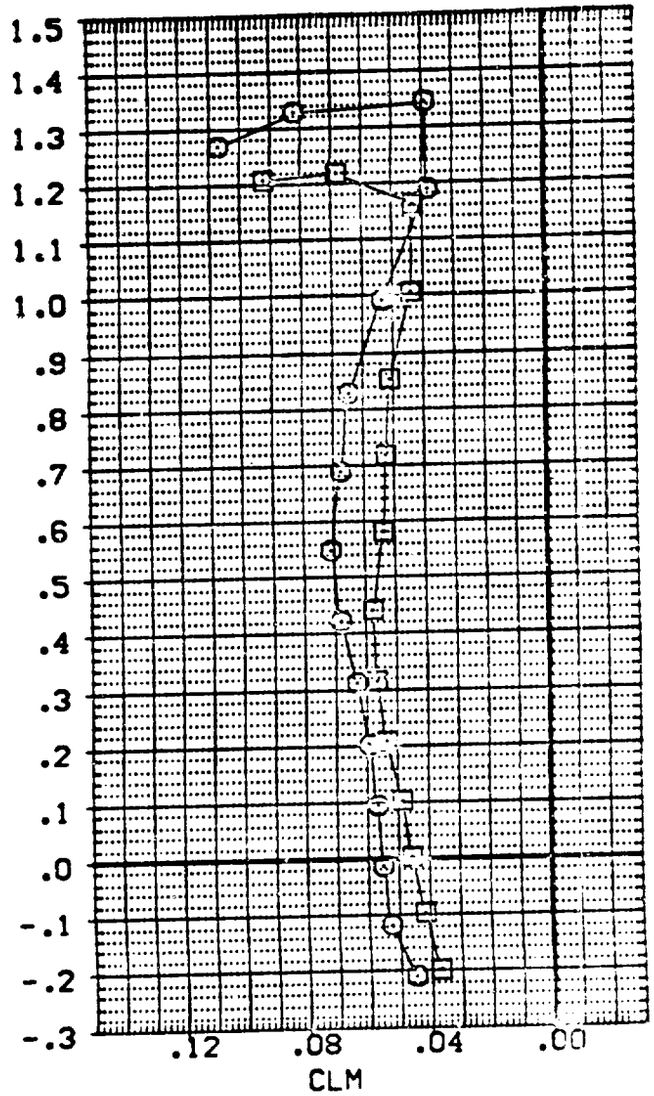
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(A)RN/L = 2.48

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[ZP7005]	○	LA-9 LARC LTPT 130 NAR 0838-H00. NOSE +0MS	.000	.000	1.000	.000
[R-7003]	□	LA-9 LARC LTPT 130 NAR 0838-H00. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5833	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE





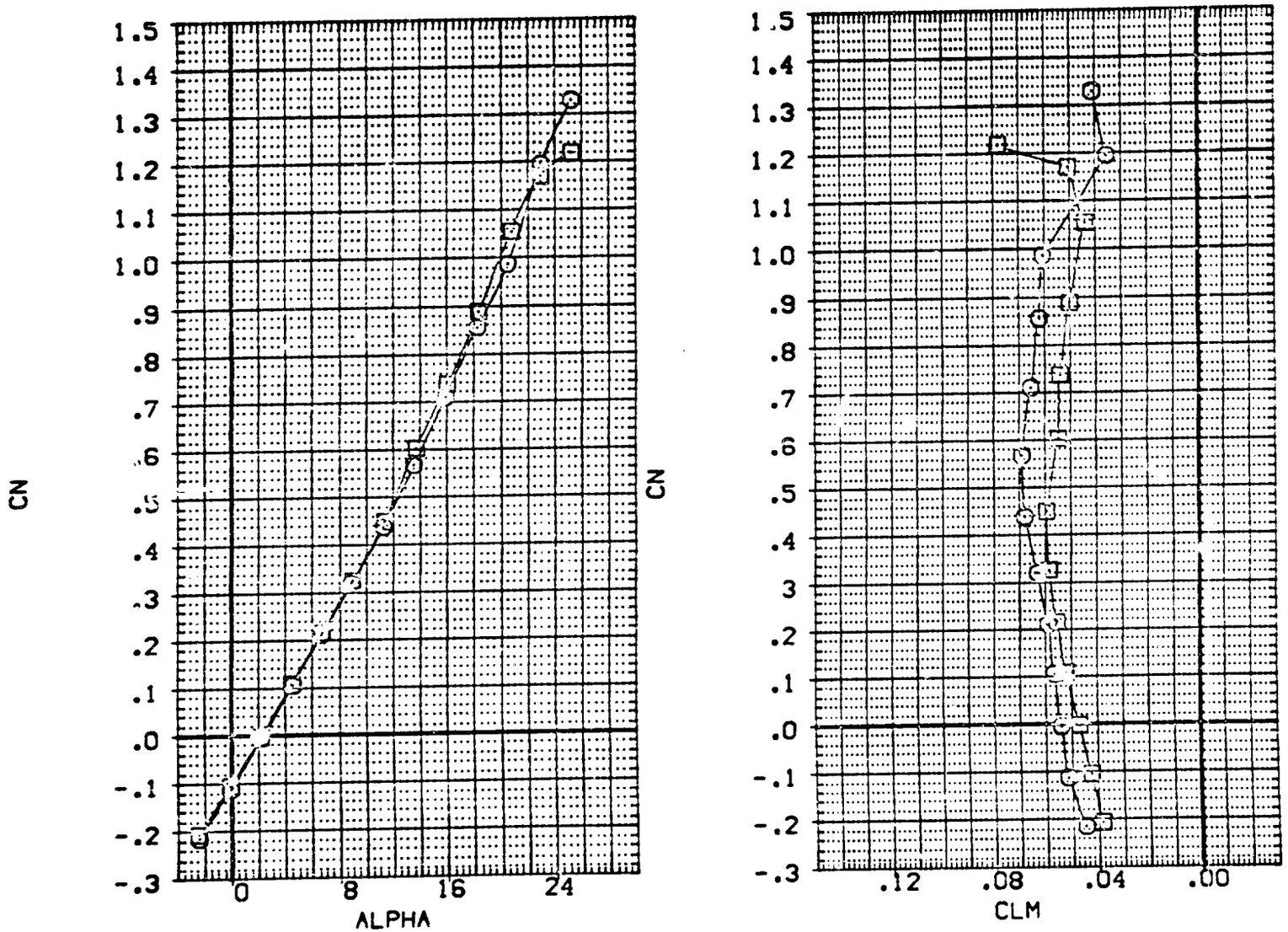
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(B)RN/L = 3.98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUGFLR	GT-LOC	K/L
[ZP7006]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	.000
[RP7003]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



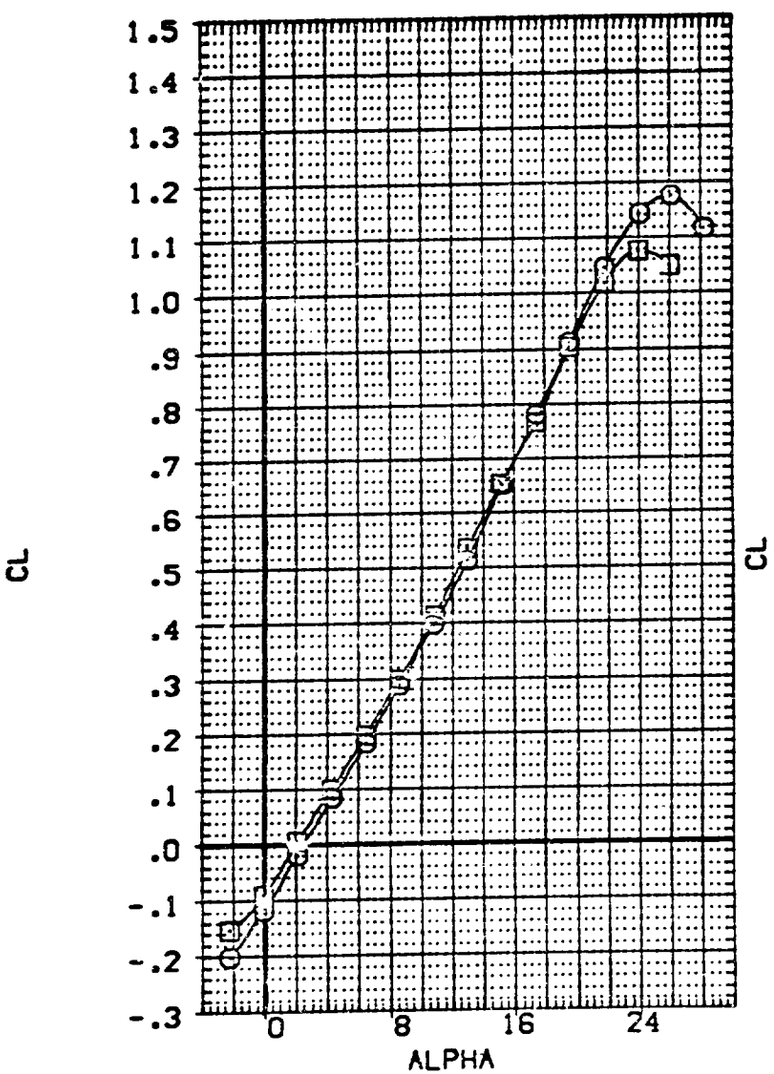
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

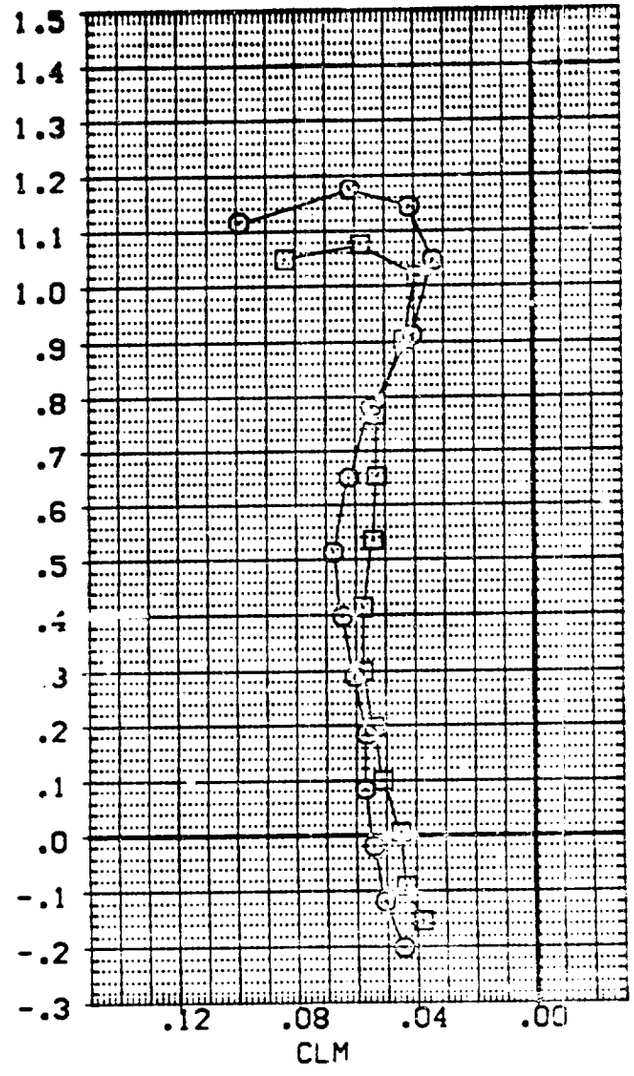
(C)RN/L = 5.83

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7C06)	○	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





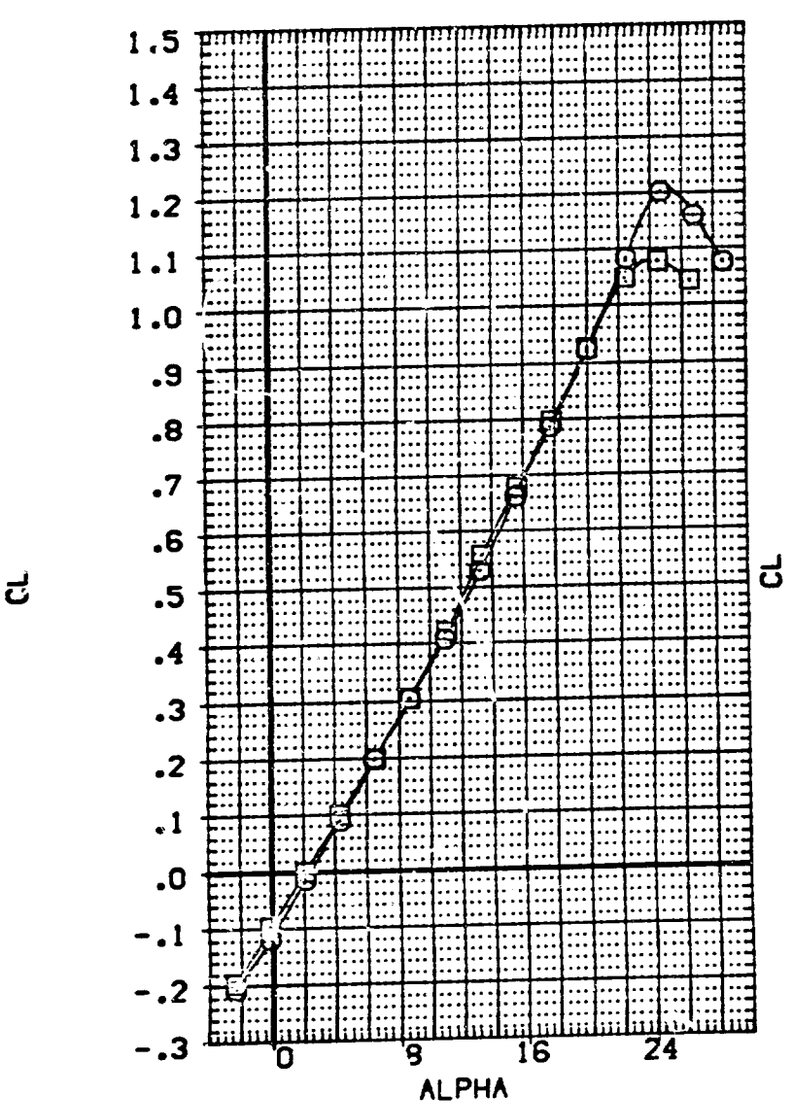
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

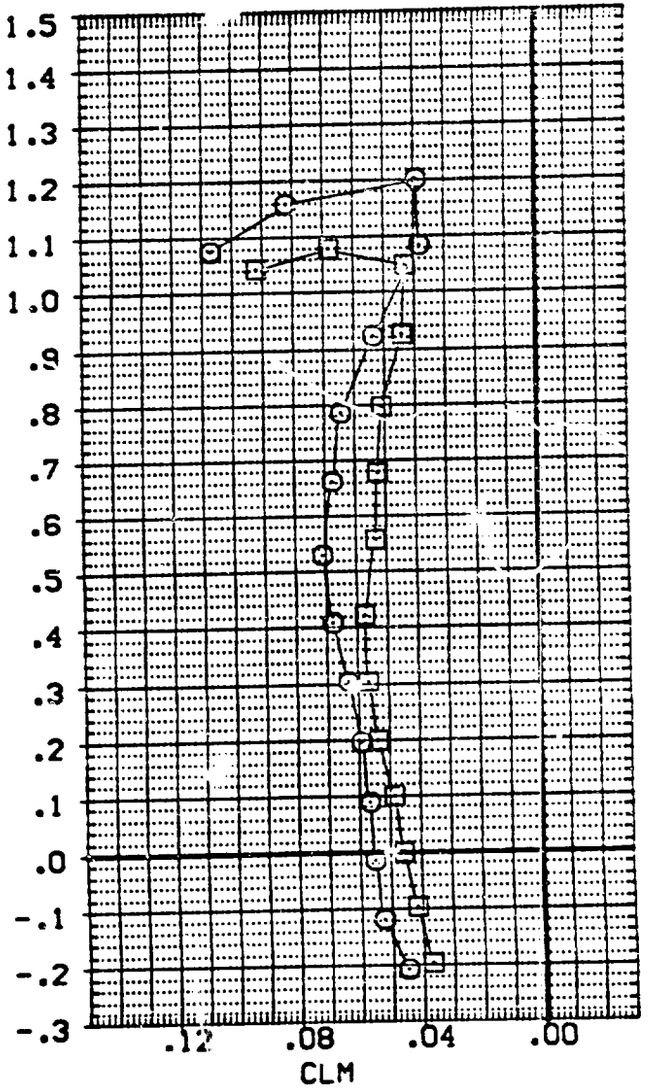
(A)RN/L = 2.48

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[ZP7006]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +DMS	.000	.000	1.000	.000
[RP7003]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +DMS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5628	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





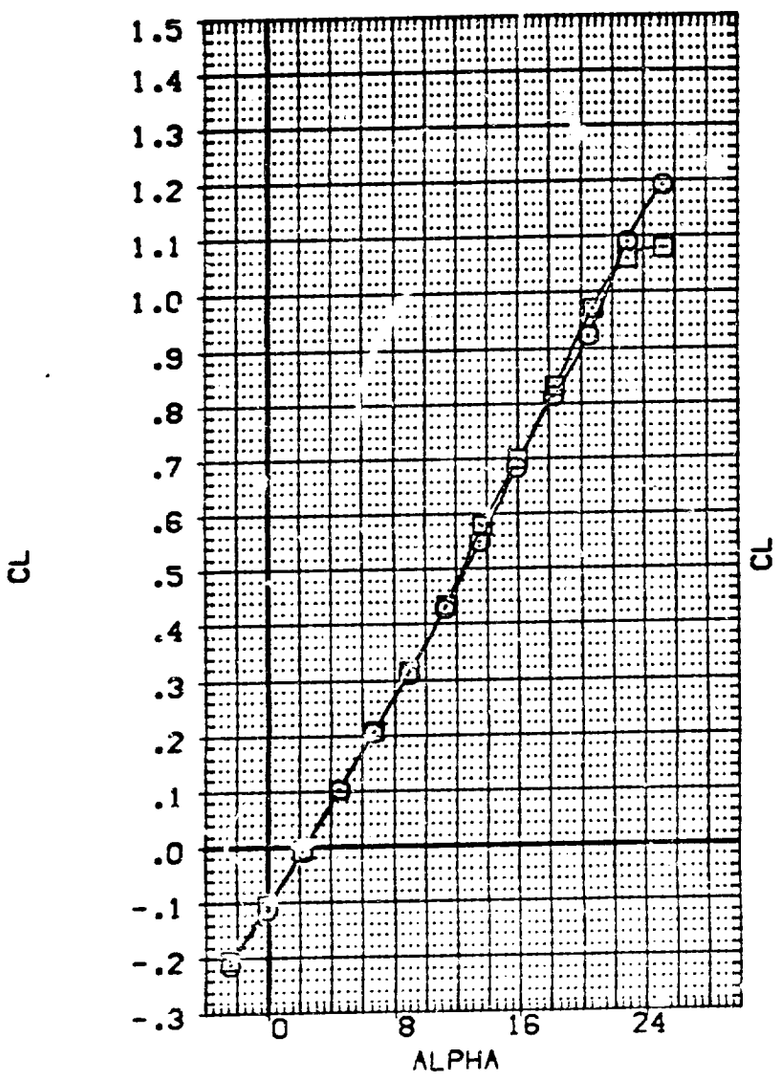
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

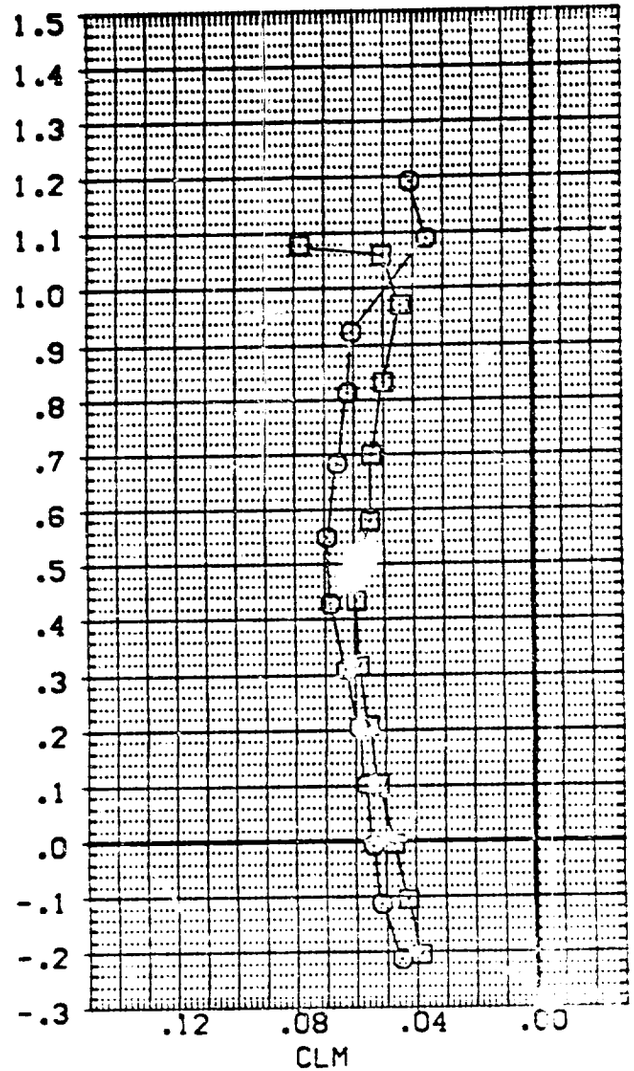
(B)RN/L = 3.98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	⊡	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5328	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE



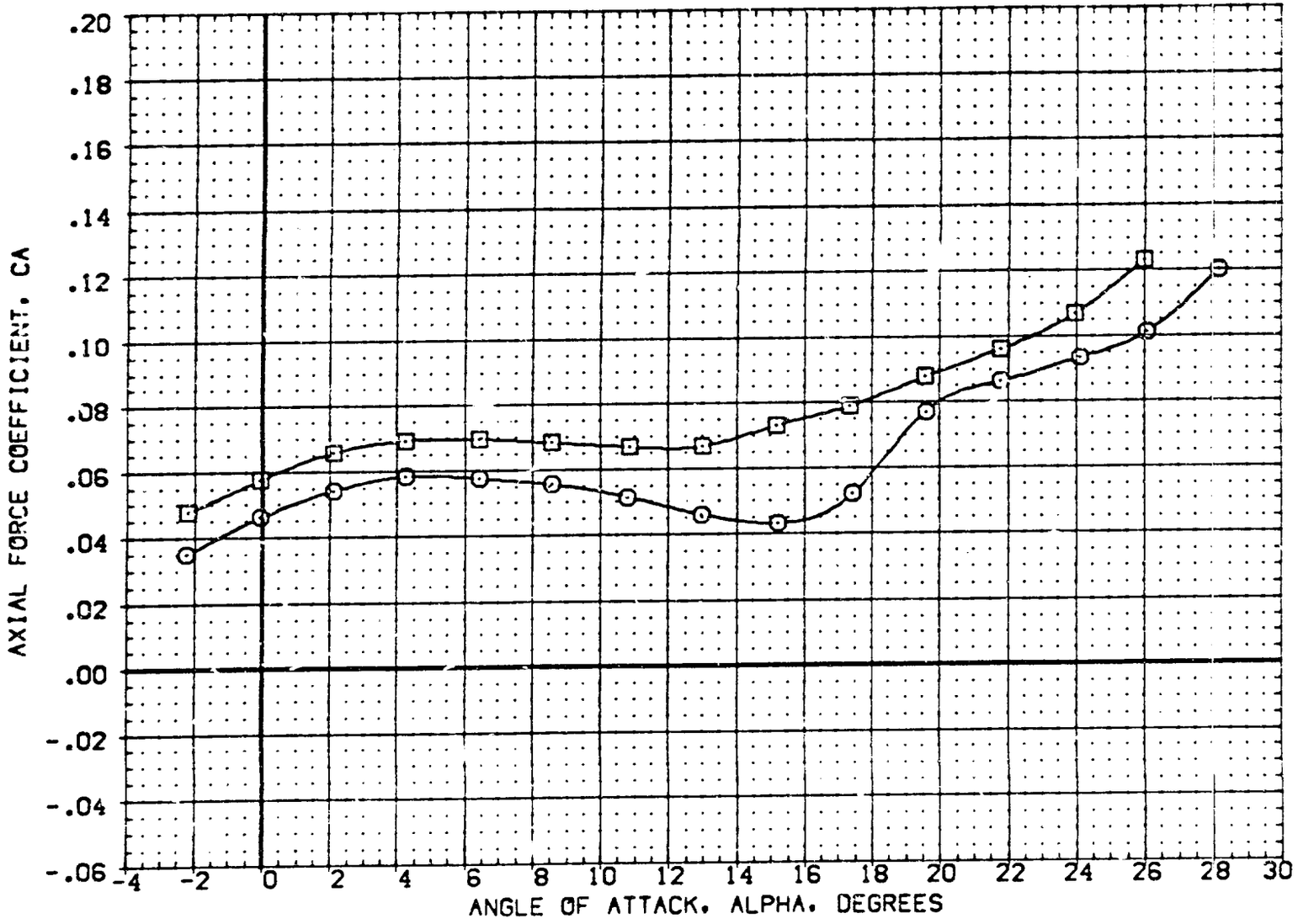


EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(C)RN/L = 5.83

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	.000
(ZP7003)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1800	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.8538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



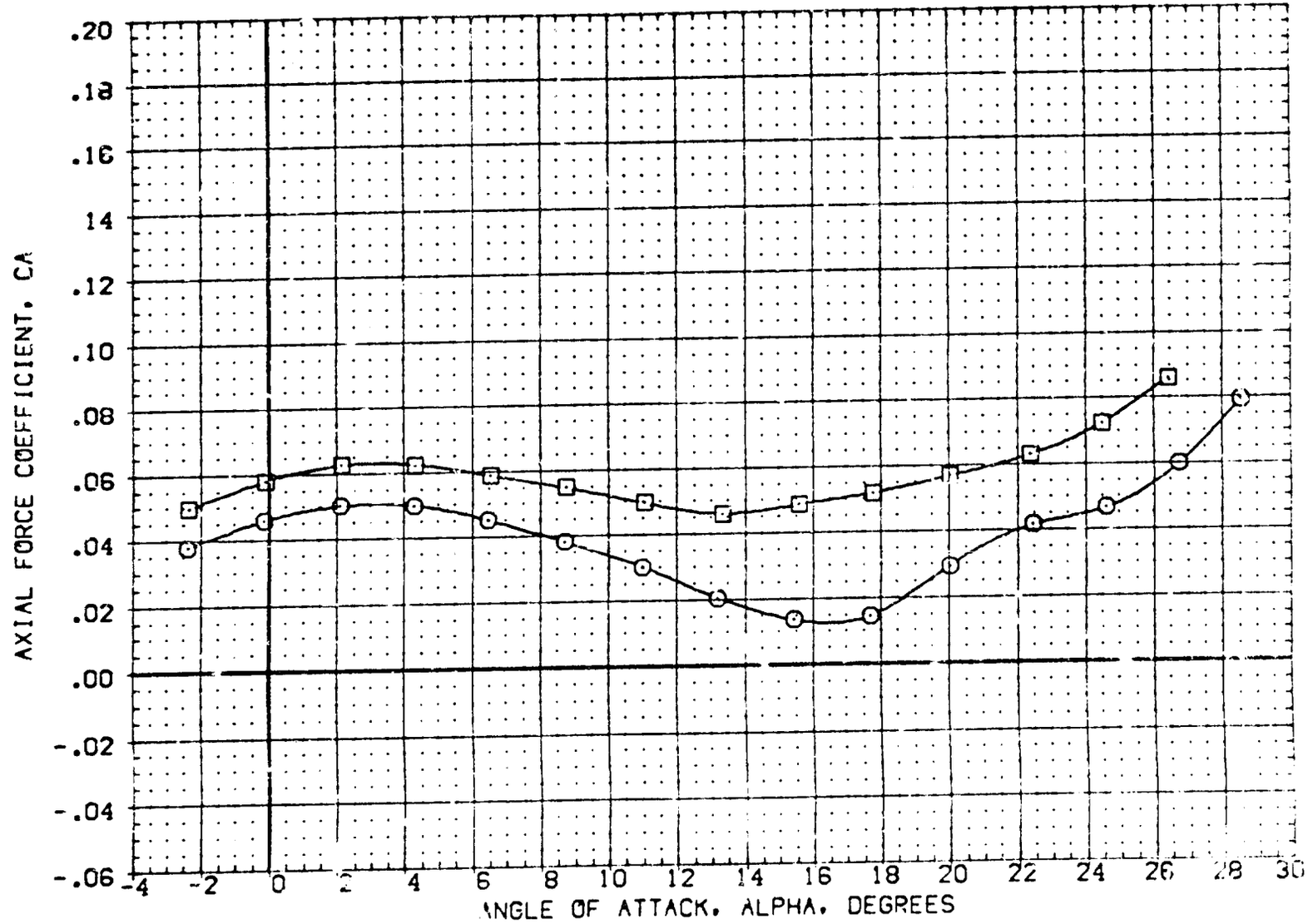
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(A)RN/L = 2.48

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7005)	○	LA-9 LARC _TPT 130 NAR 0899-MOD. NOSE +OMS	.000	.000	1.000	.000
(RP7003)	□	LA-9 LARC LTPT 130 NAR 0698-MOD. NOSE +OMS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1408	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5623	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE

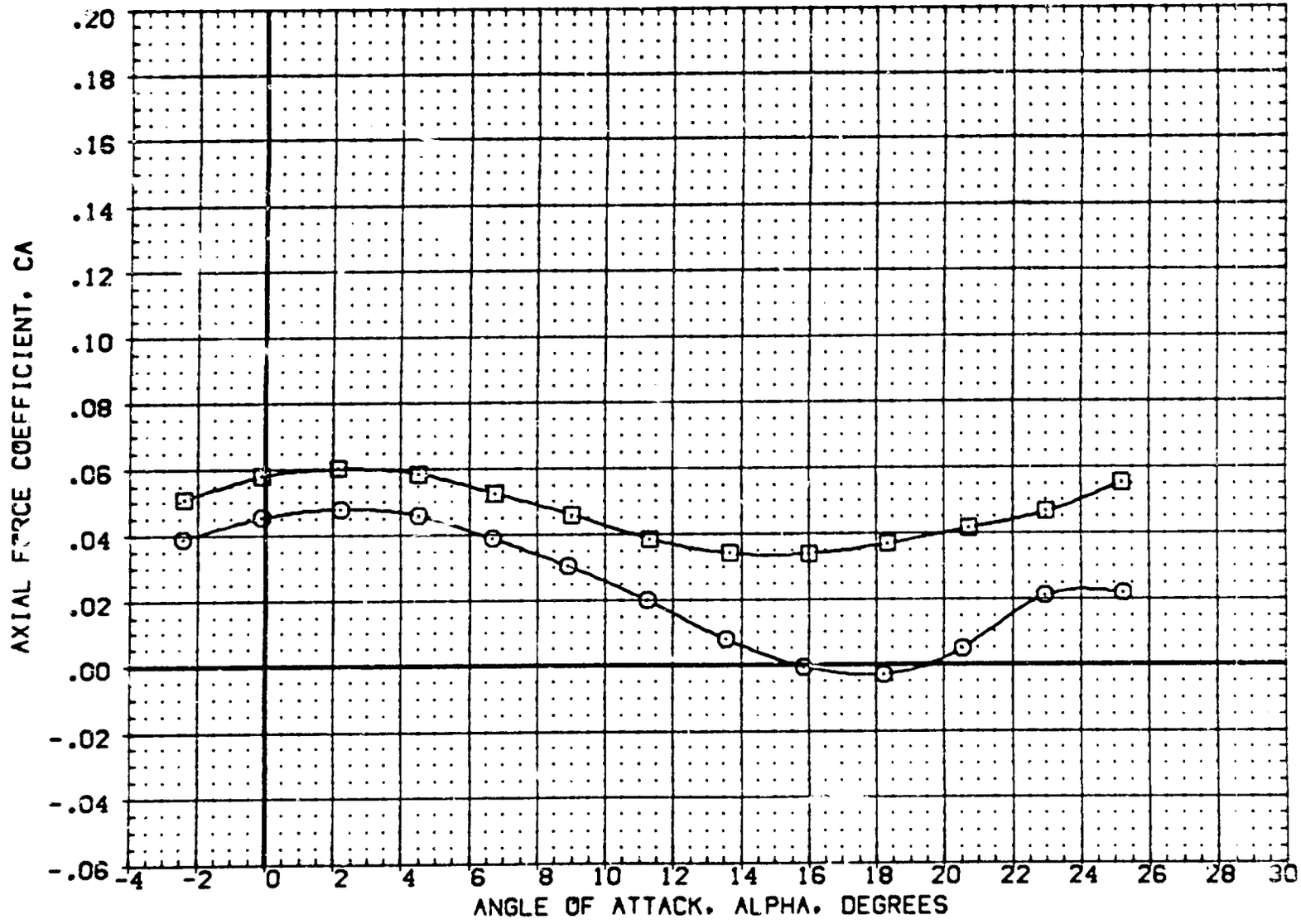


EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(B)RN/L = 3.98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5623	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



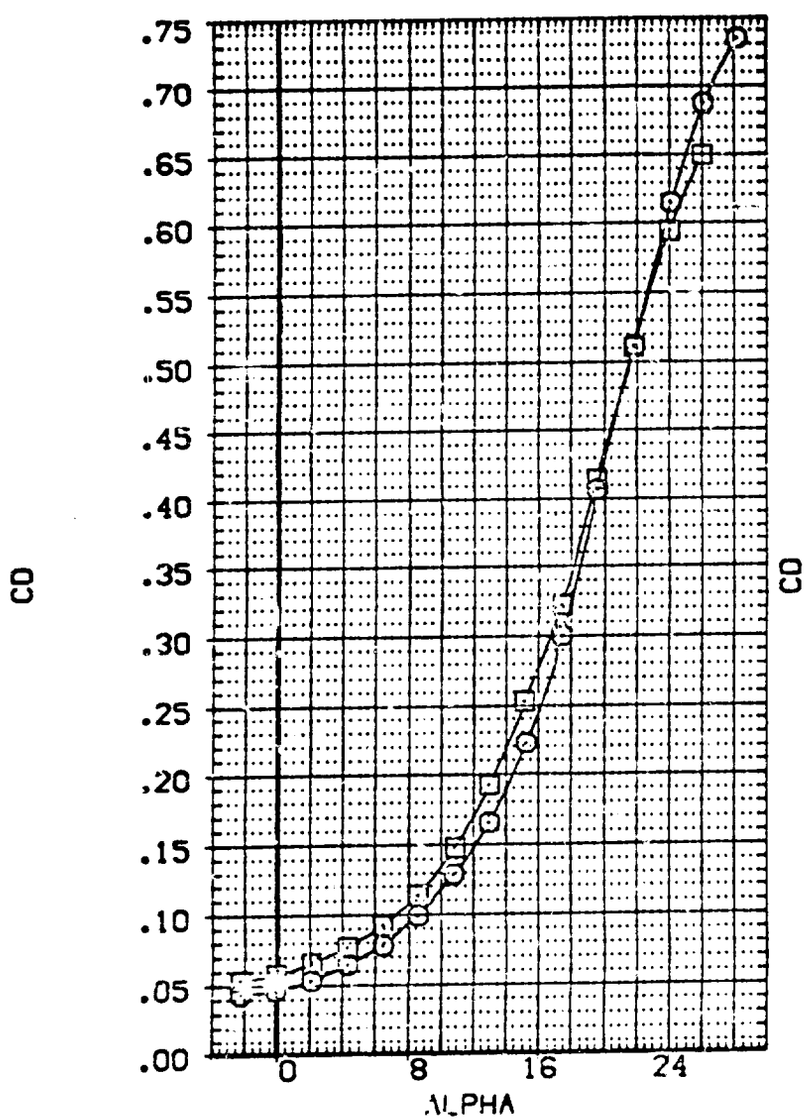
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

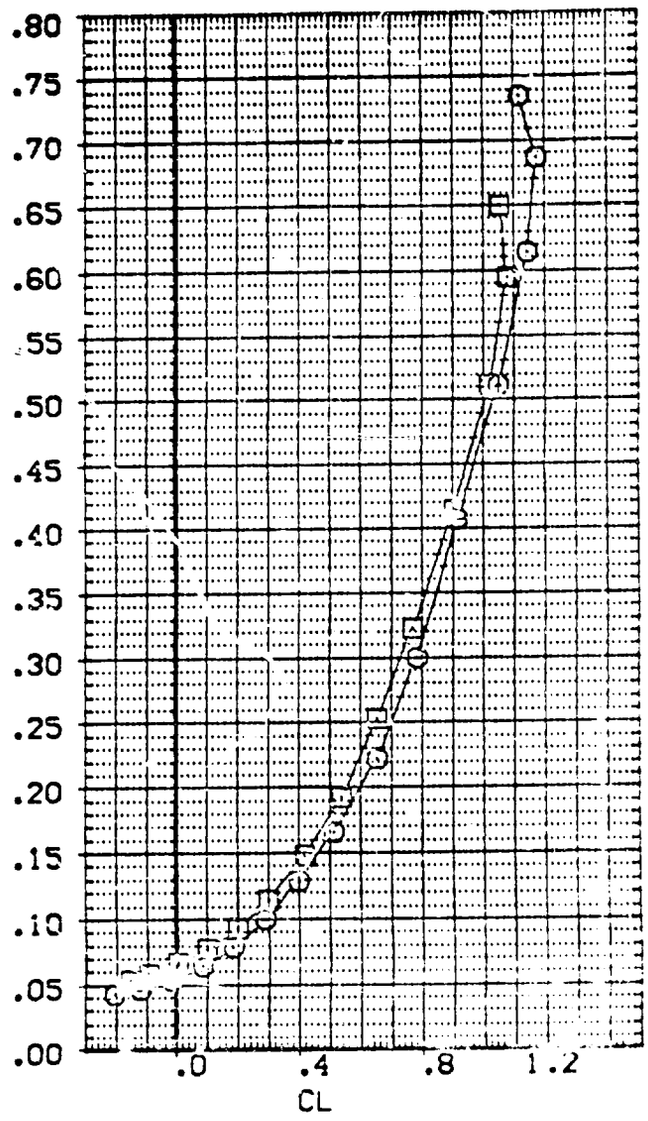
(C)RN/L = 5.83

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	PUSH-LR	GT-LOC	K/L
[ZP7006]	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	.000
[RP7003]	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



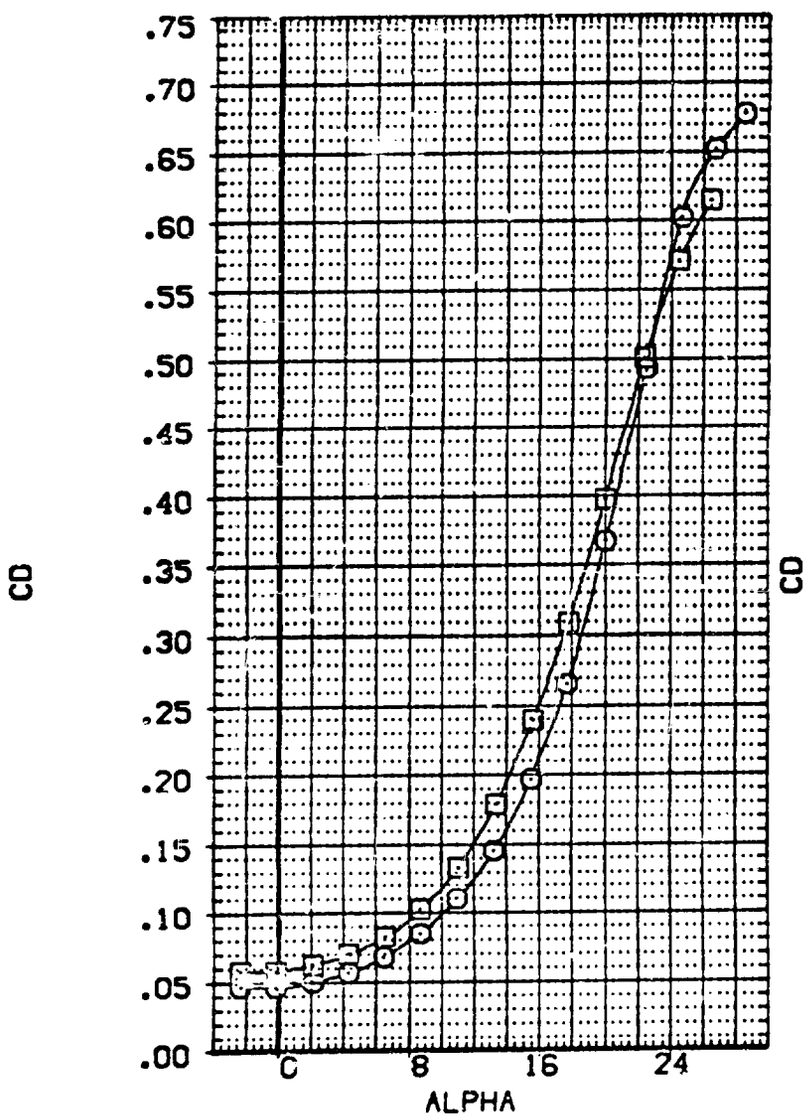


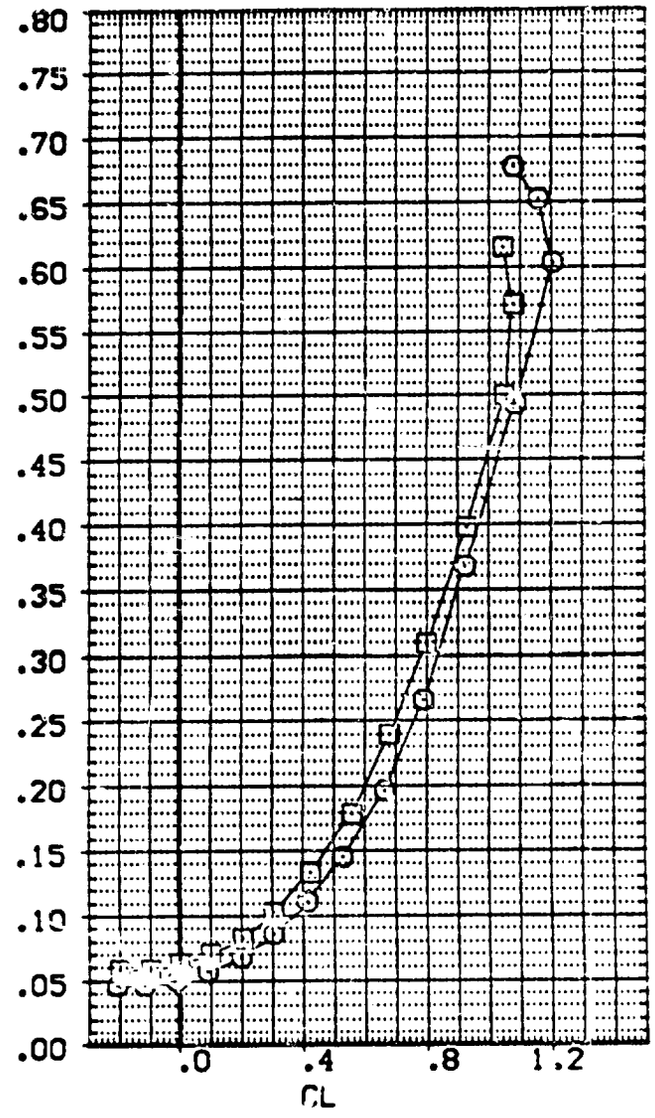
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(A)RN/L = 2.48

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(Z97006)	⊟	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	9.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE





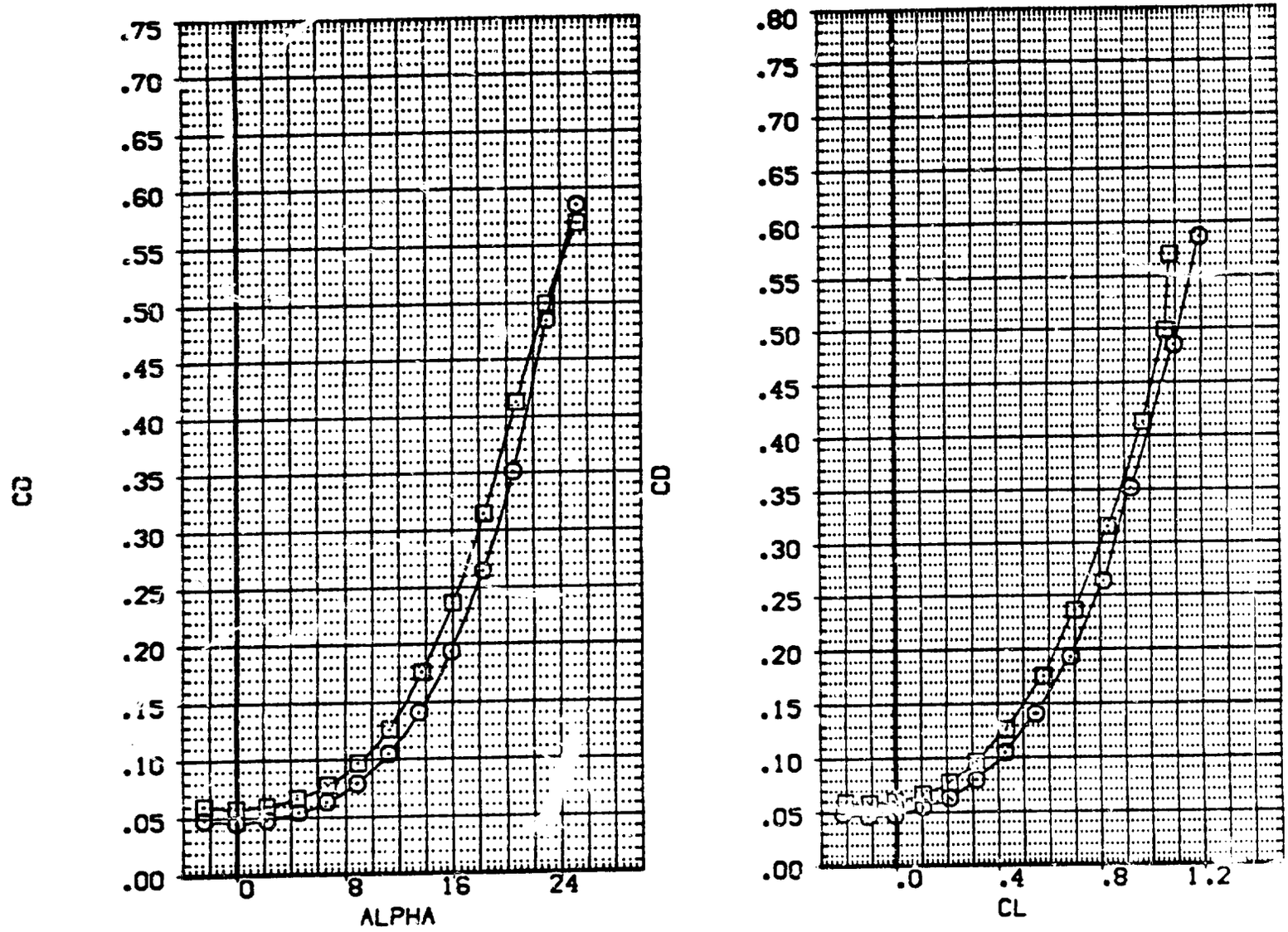
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(B)RN/L = 3.98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZP7006)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS
(RP7003)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS

BETA	RUDFLR	GT-LOC	K/L
.000	.000	1.000	.000
.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

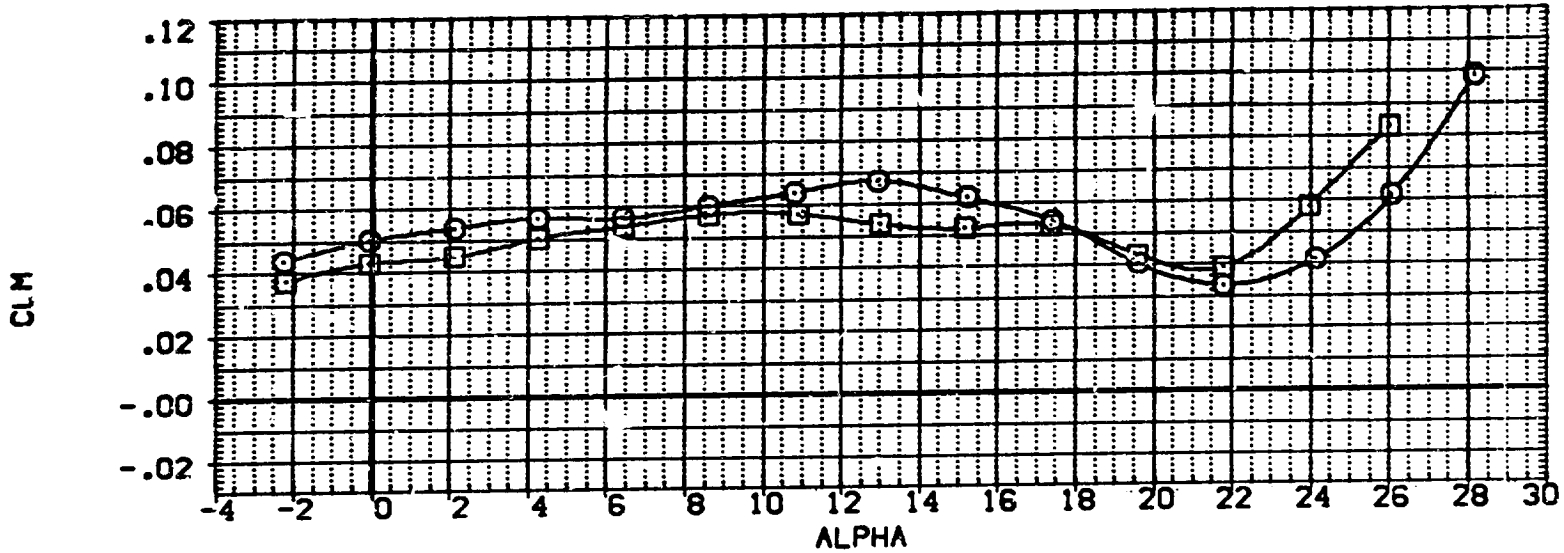


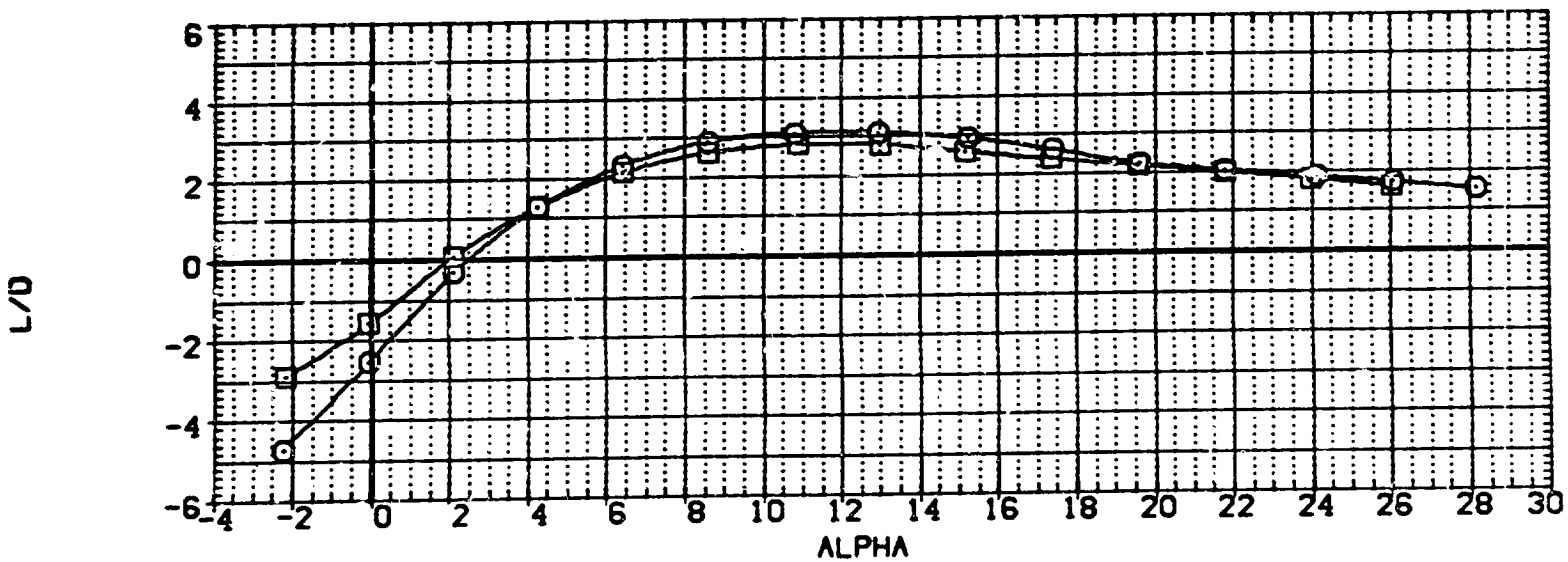
EFFECT OF ROUGHNESS ON LONG. CHAR. (ELEVATOR=-10 DEG)

(C)RN/L = 5.83

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



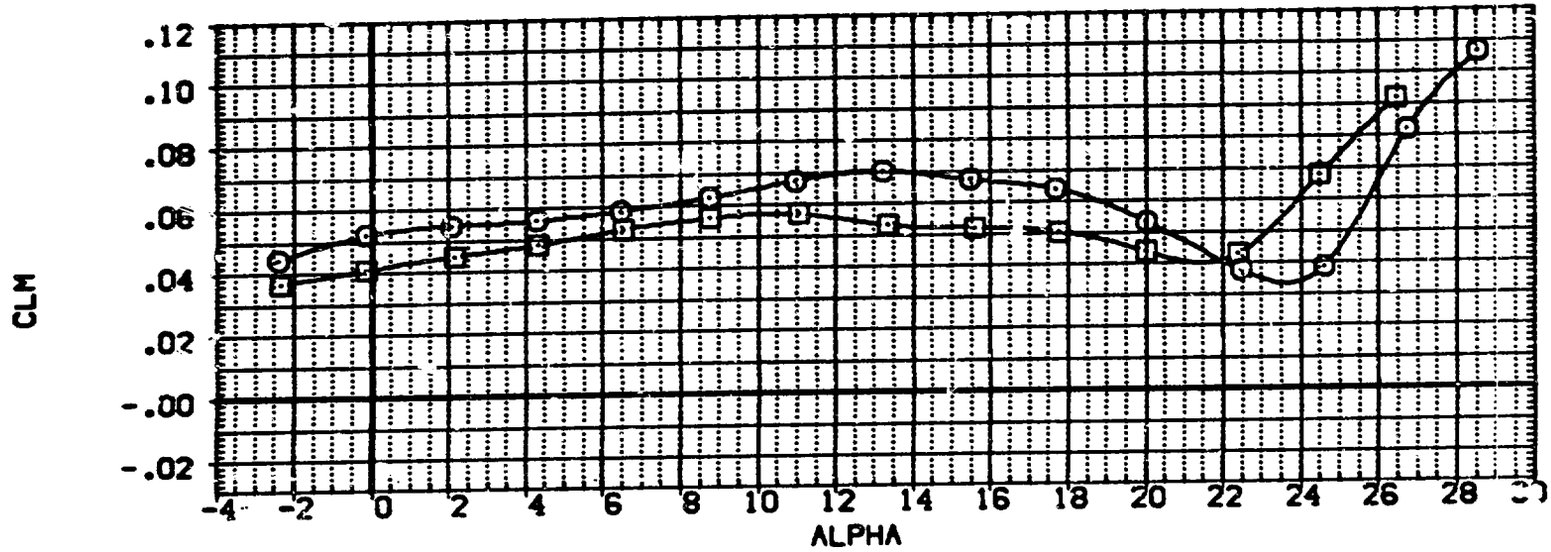


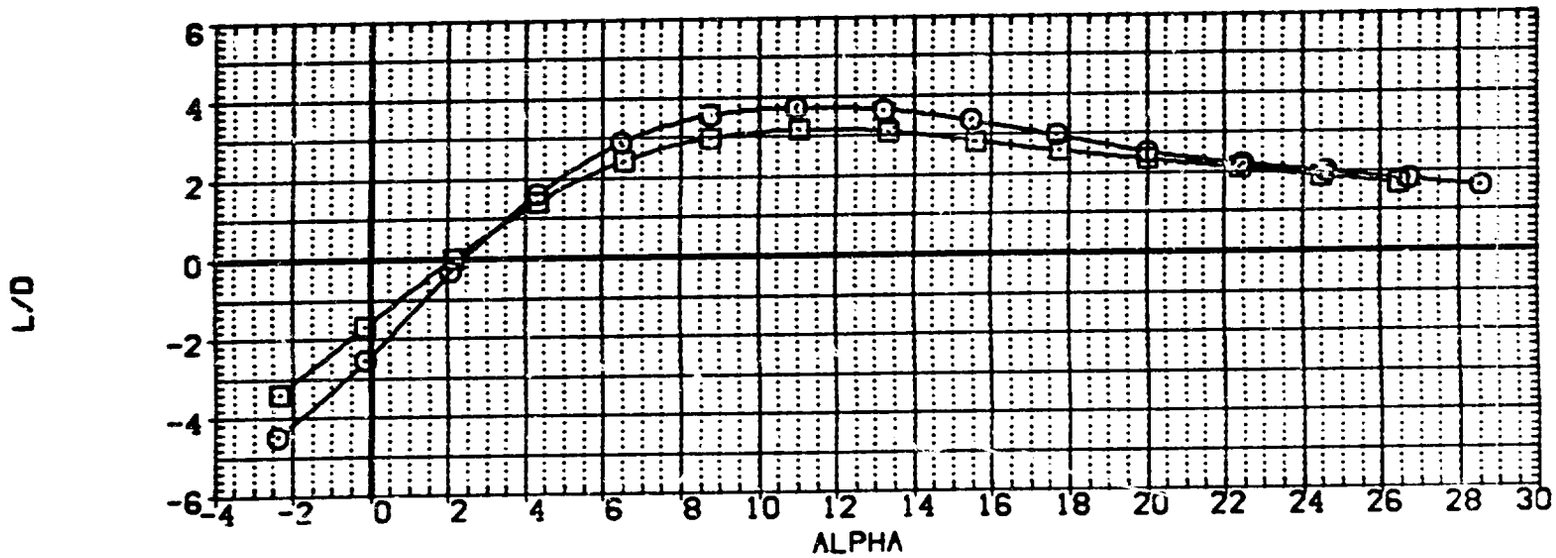
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(A)RN/L = 2.48

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7006)	LA-9 LARC LTPT 130 NAR 0898-HOD. NOSE +0MS	.000	.000	1.000	.000
(RP7003)	LA-9 LARC LTPT 130 NAR 0898-HOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5620	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





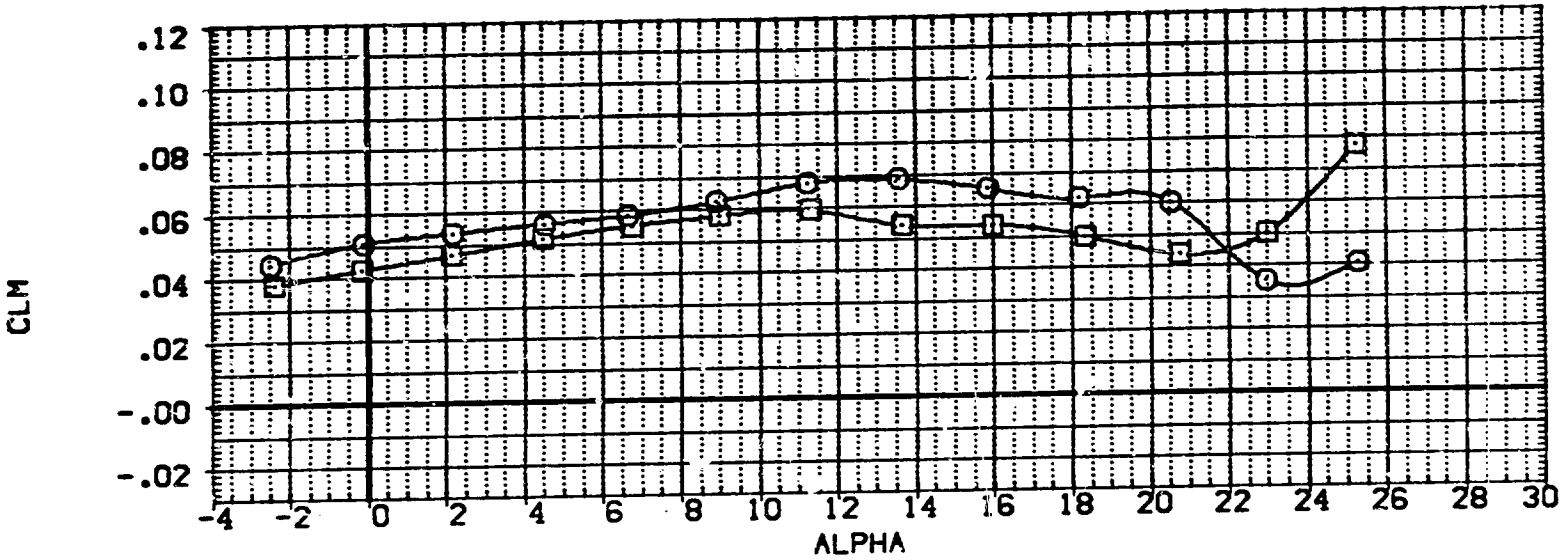
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

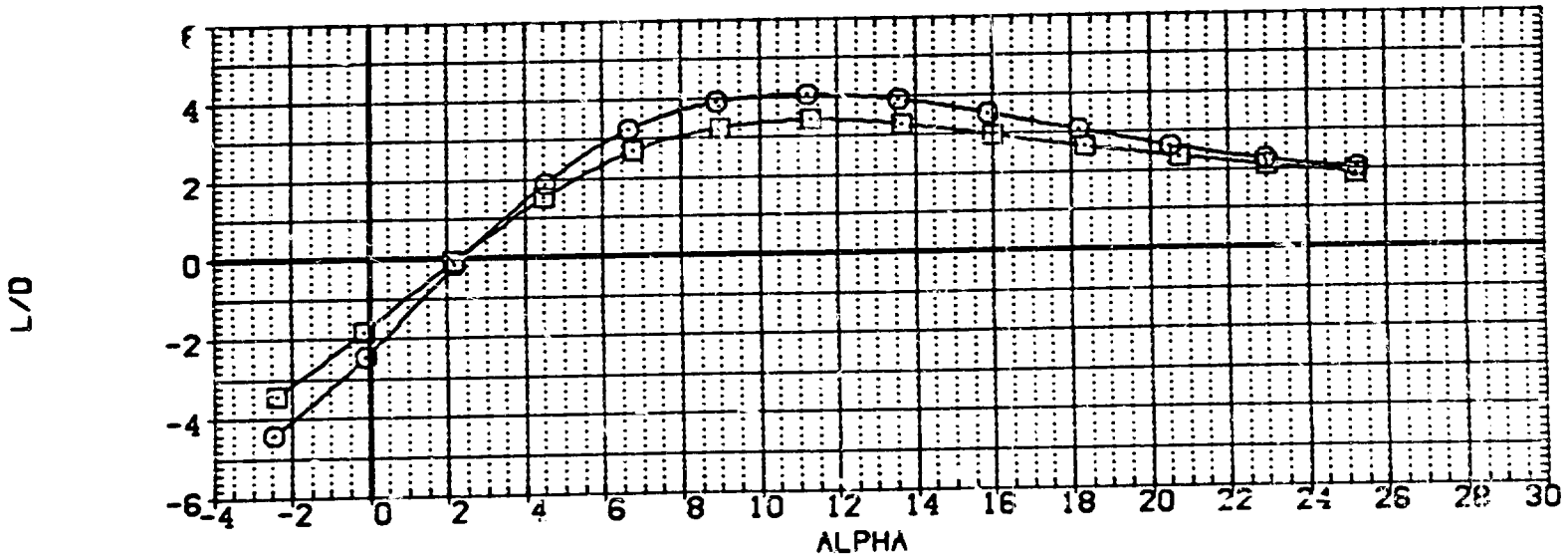
(B)RN/L = 3.98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[RP7006]	LA-9 LARC LTPT 130 NAR 0898-HOD. NOSE +0MS	.000	.000	1.000	.000
[RP7003]	LA-9 LARC LTPT 130 NAR 0898-HOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





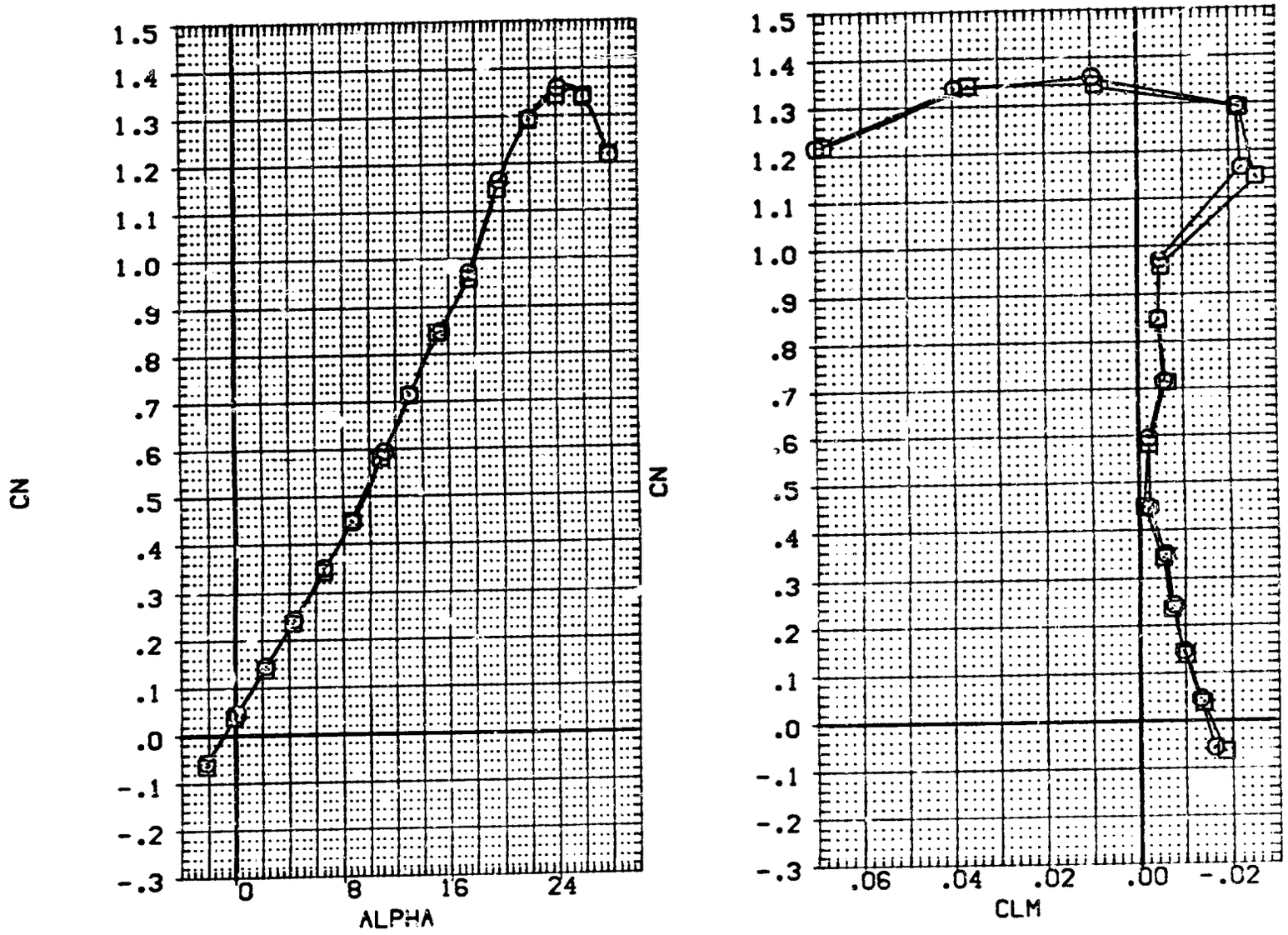
EFFECT OF ROUGHNESS ON LONG. CHAR.(ELEVATOR=-10 DEG)

(C)RN/L = 5.83

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LSC	K/L
(YP7007)	○	LA-3 LARC LTPT 130 NAR 0898-H00 NOSE +OMS (+SVP)	.000	.000	1.000	1.200
(YP7008)	□	LA-9 LARC LTPT 130 NAR 0898-H00 NOSE +OMS (-SVP)	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



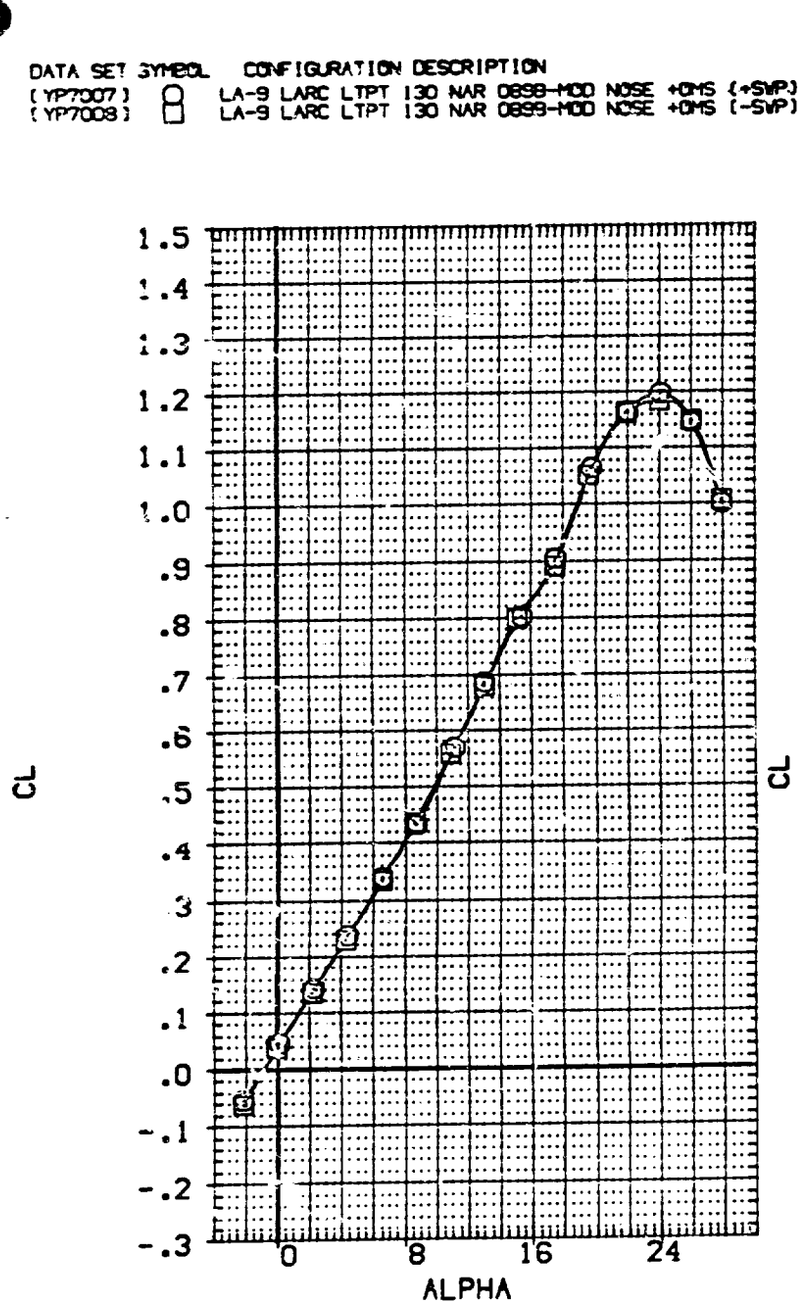
HYSTERESIS EFFECT WITH NO. 220 GRIT (K/L=1.2 X10-4)

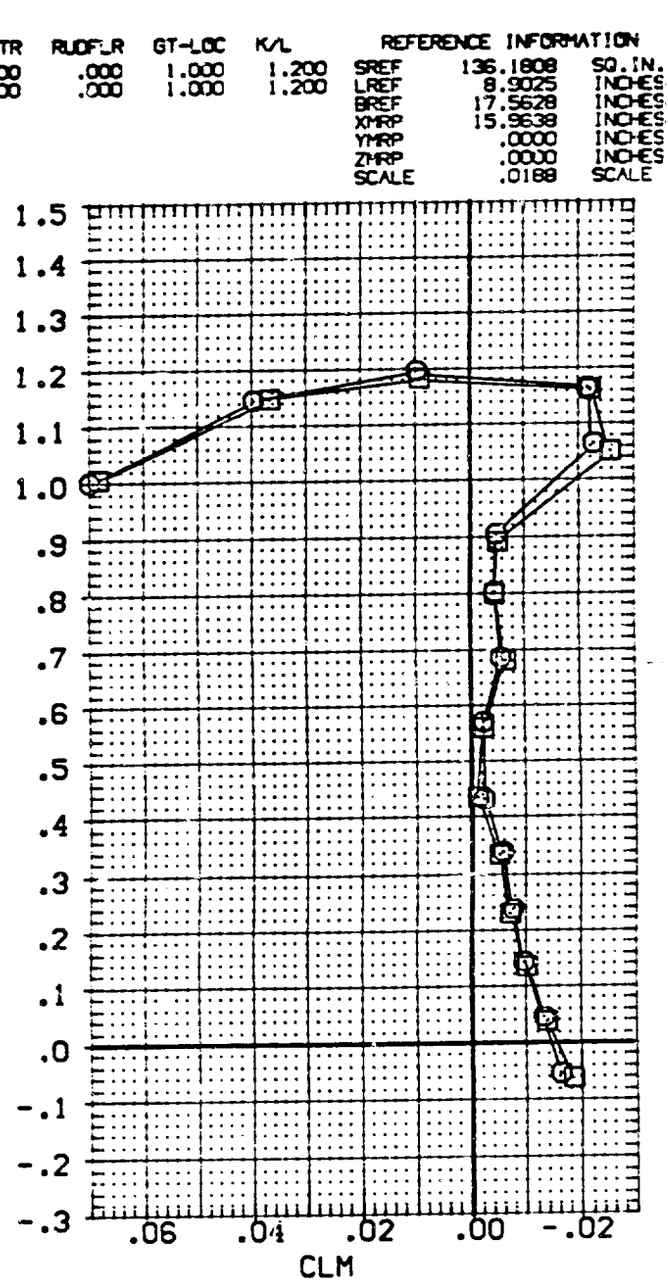
(A)RN/L = 2.52

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(YP7007)	⊟	LA-9 LARC LTPT 130 NAR 0898-MOD NOSE +OMS (+SWP)	.000	.000	1.000	1.200
(YP7008)	⊟	LA-9 LARC LTPT 130 NAR 0899-MOD NOSE +OMS (-SWP)	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



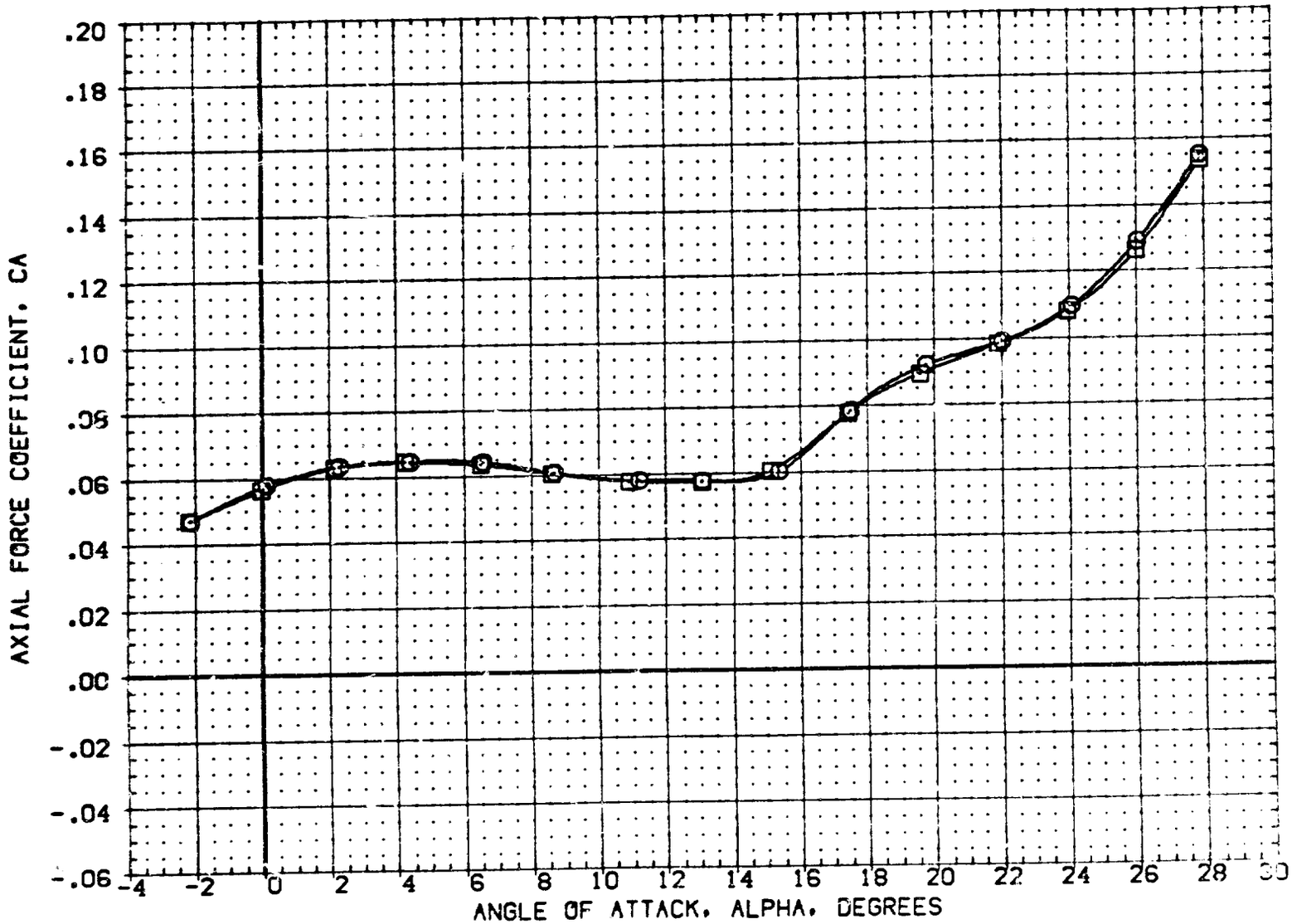


HYSTERESIS EFFECT WITH NO. 220 GRIT (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(YP7007)	LA-9 LARC LTPT 130 NAV 0898-H00 NOSE +OMS (+SWP)	.000	.000	1.000	1.200
(YP7008)	LA-9 LARC LTPT 130 NAV 0898-H00 NOSE +OMS (-SWP)	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



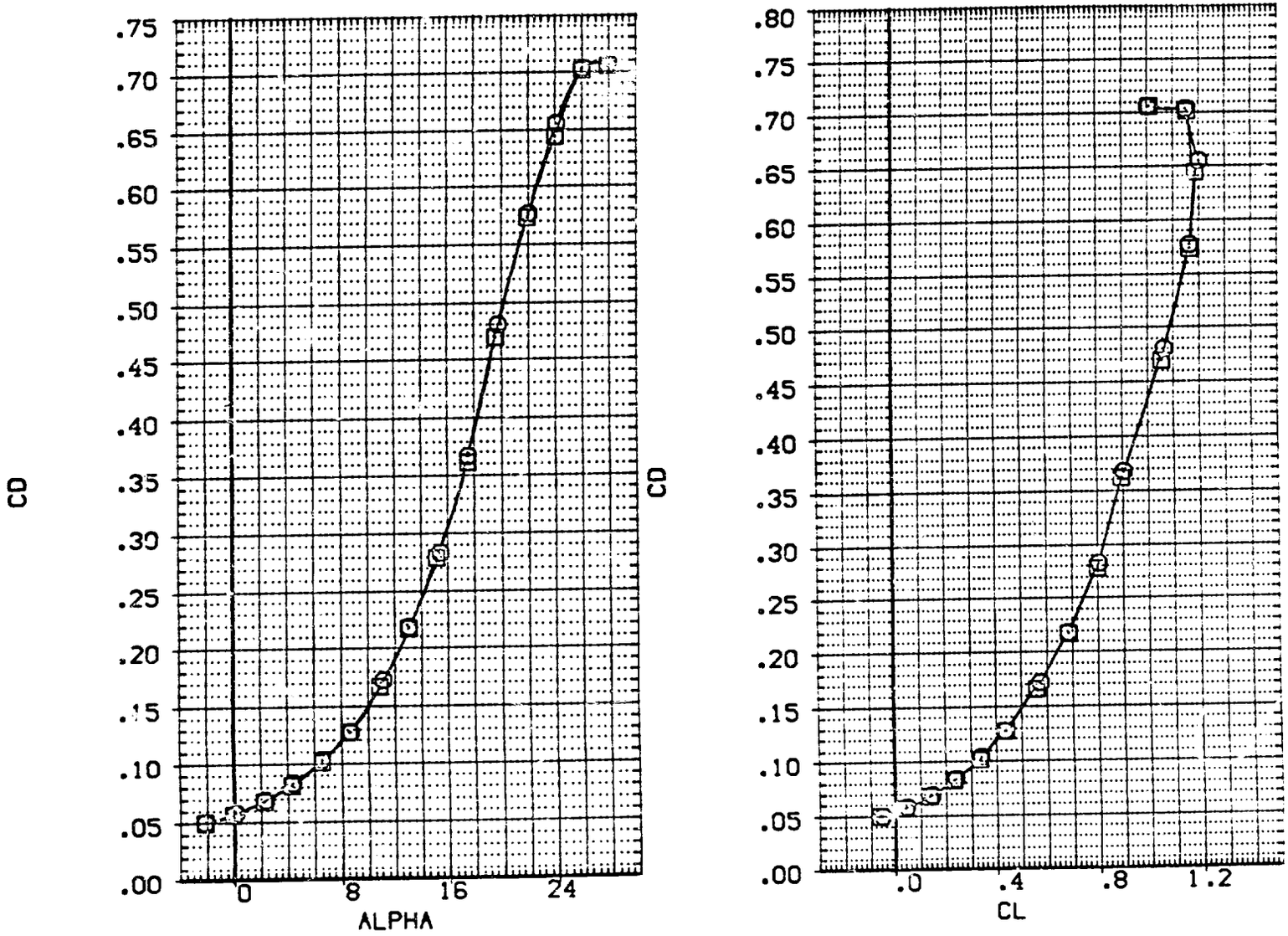
HYSTERESIS EFFECT WITH NO. 220 GRIT (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(YP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD NOSE +OMS (+SVP)	.000	.000	1.000	1.200
(YP7008)	□	LA-9 LARC LTPT 130 NAR 0898-MOD NOSE +OMS (-SVP)	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

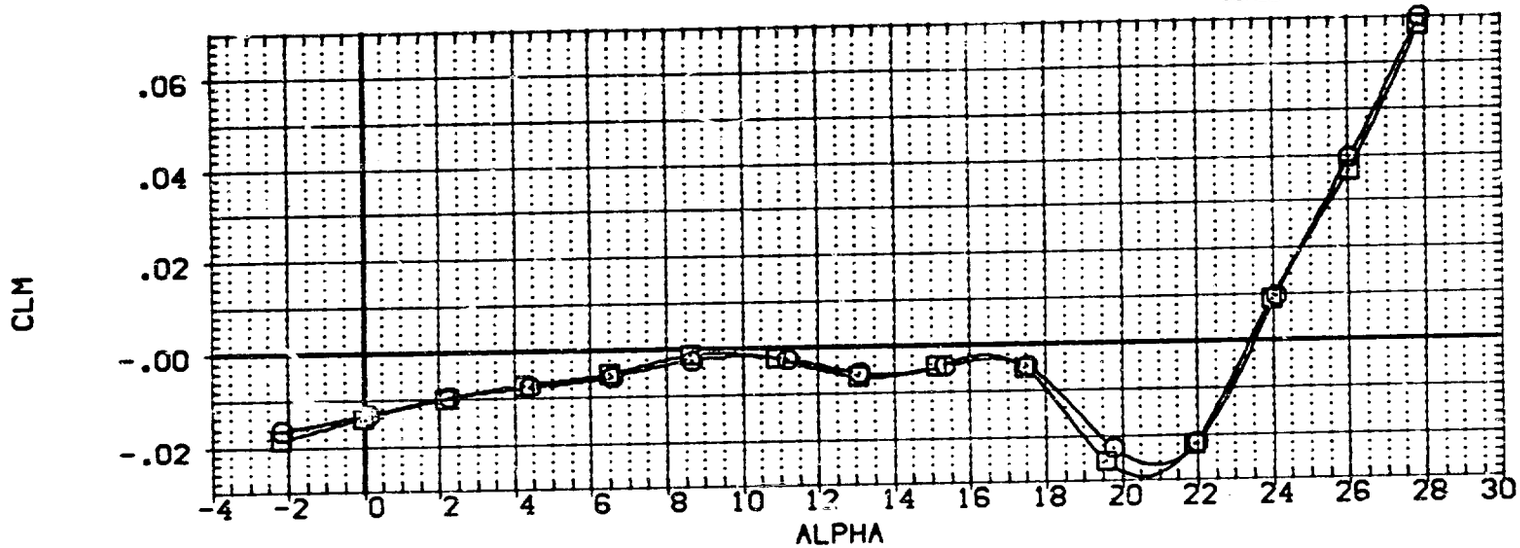


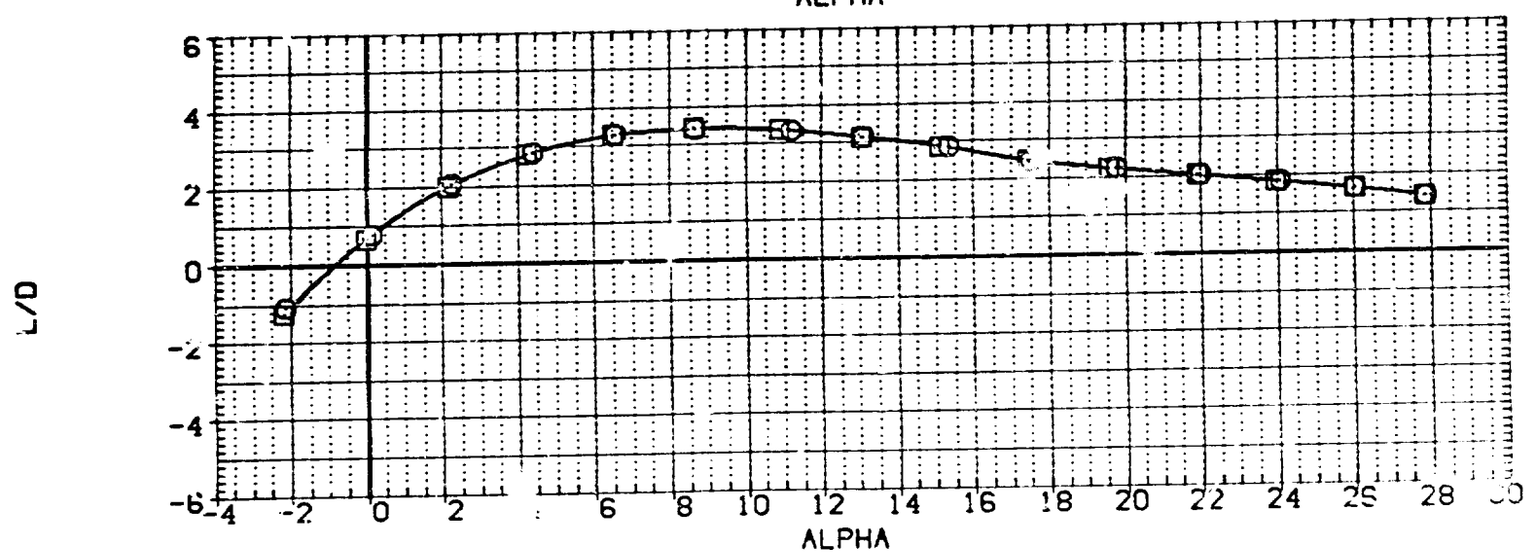
HYSTERESIS EFFECT WITH NO. 220 GRIT (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(YP70C7)	LA-9 LARC LTPT 130 NAR 0858-MOD NOSE +OMS (+SVP)	.000	.000	1.000	1.200
(YP70C8)	LA-9 LARC LTPT 130 NAR 0858-MOD NOSE +OMS (-SVP)	.010	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





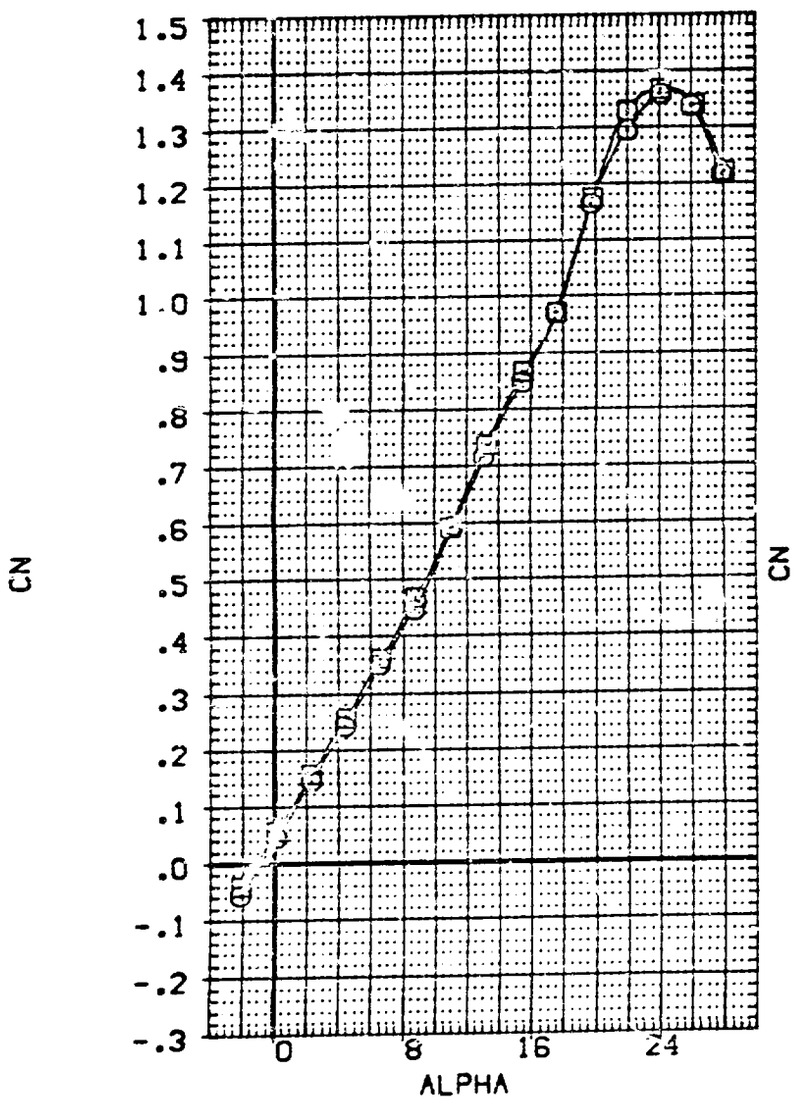
HYSTERESIS EFFECT WITH NO. 220 GRIT (K/L=1.2 X10-4)

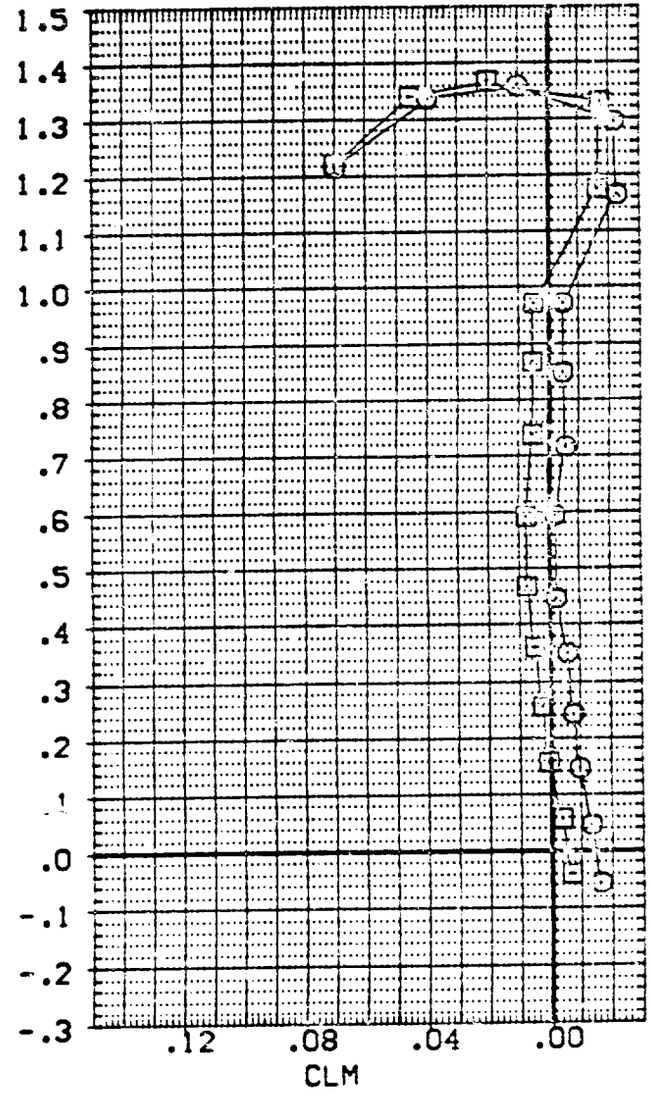
(A)RN/L = 2.52

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5523	INCHES
XMRP	15.0813	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE



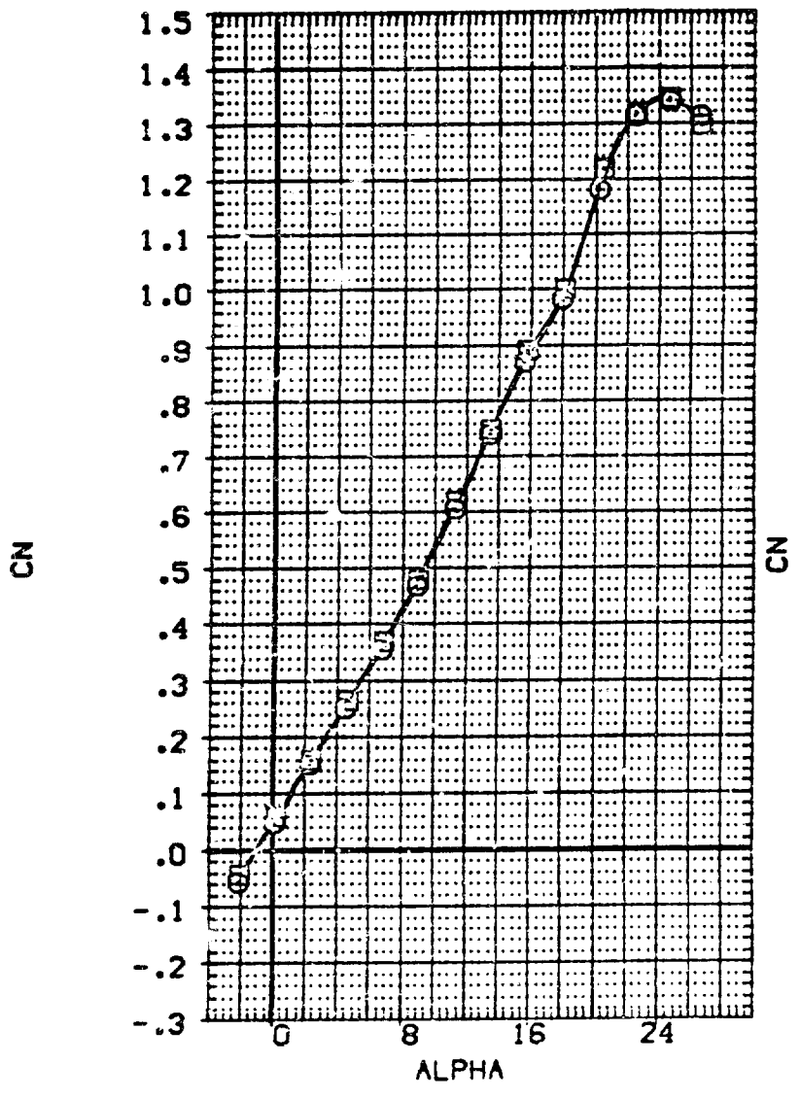


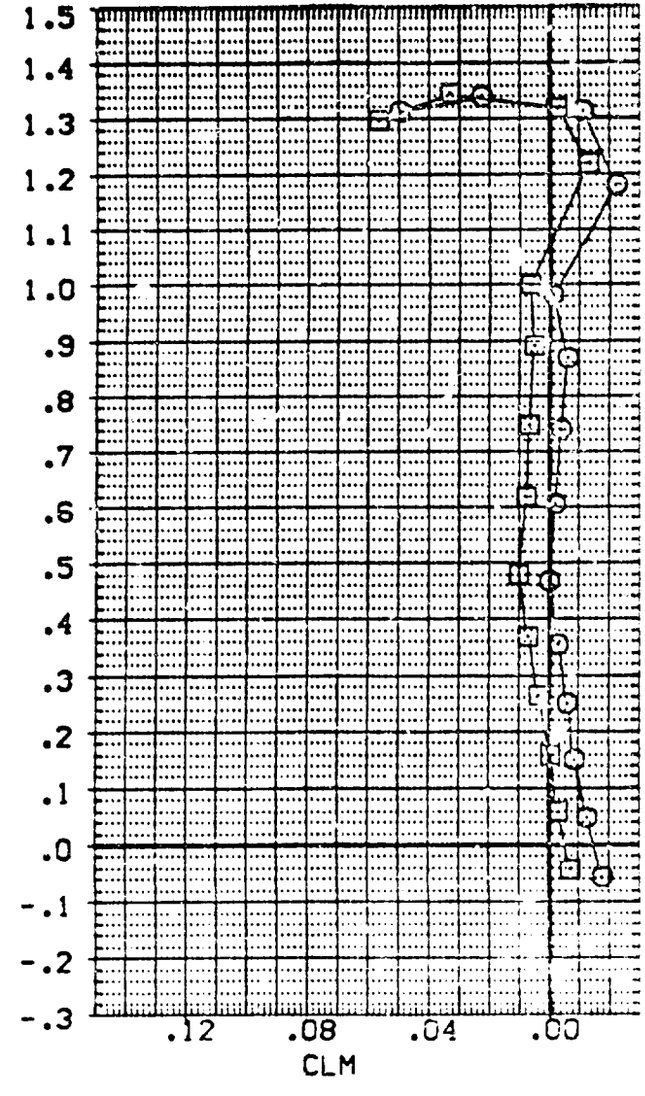
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LOC	K/L
(RP7007)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	45.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





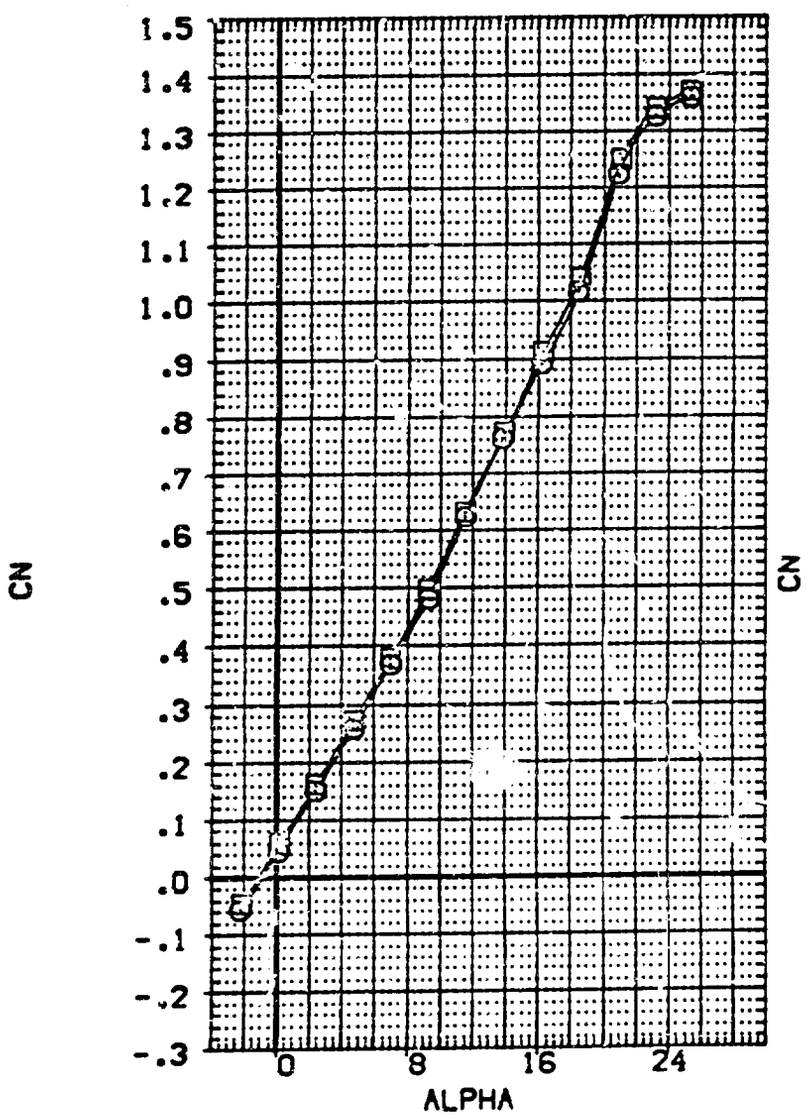
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

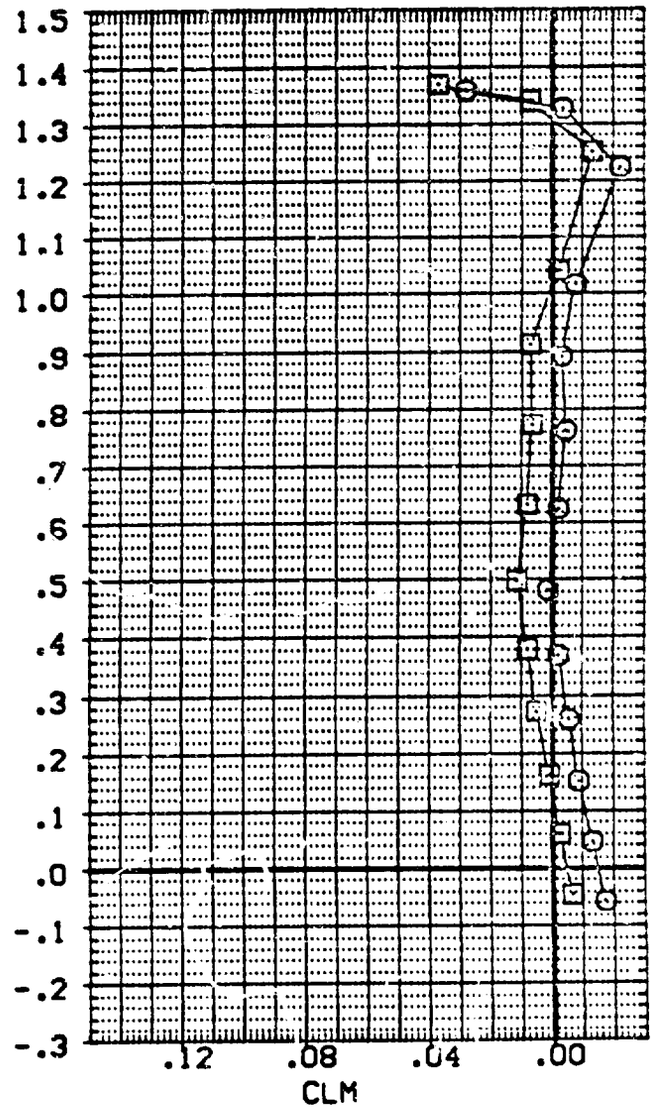
(B)RN/L = 4.05

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LOC	K/L
(RP7007) ○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009) □	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5529	INCHES
XMRP	15.5633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



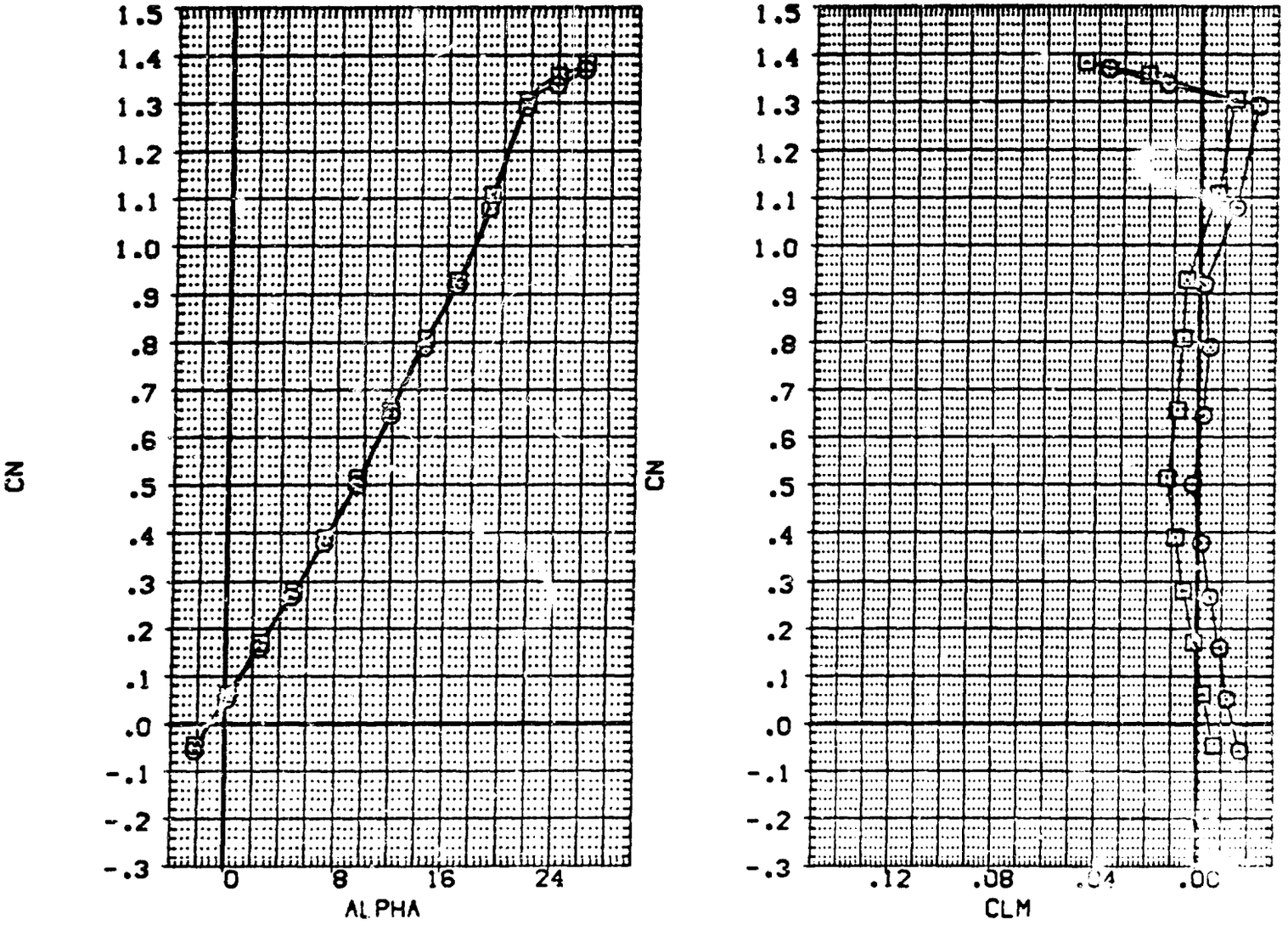


EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(C)RN/L = 5.92

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	ST-LOC	K/L
(RP7007)	⊟	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	⊟	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(D)RN/L = 7.93

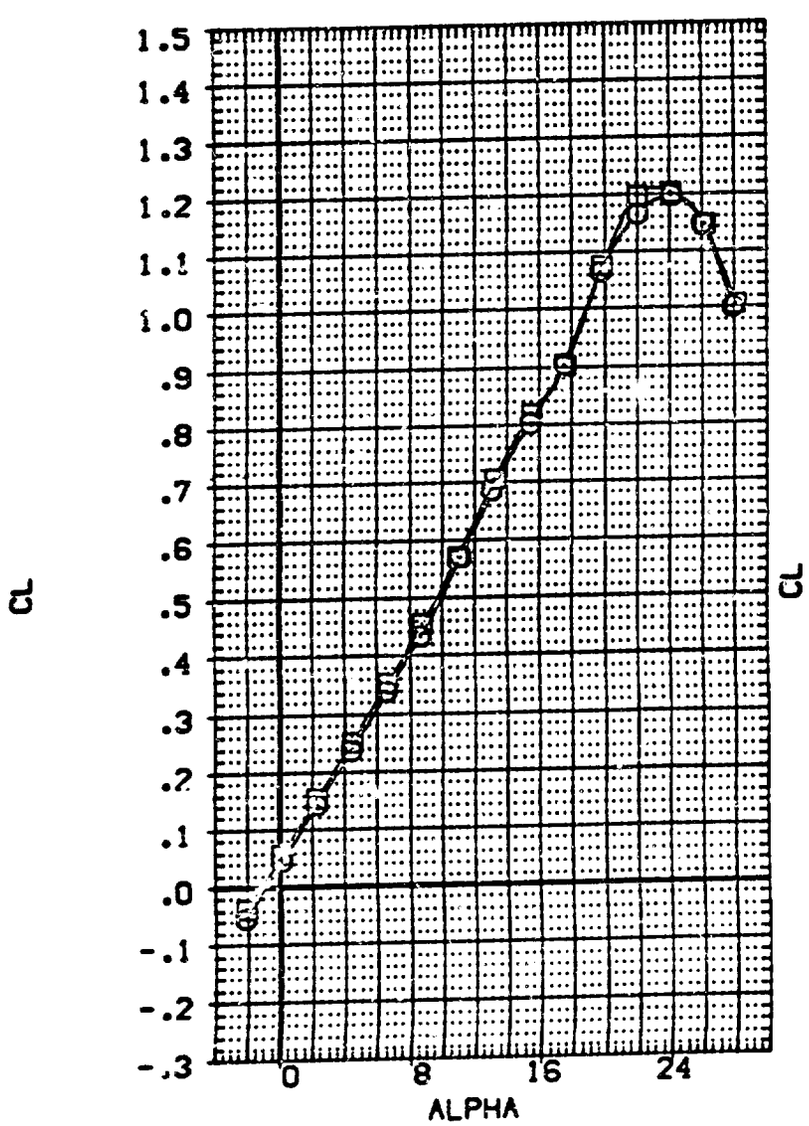
DATA SET SYMBOL CONFIGURATION DESCRIPTION

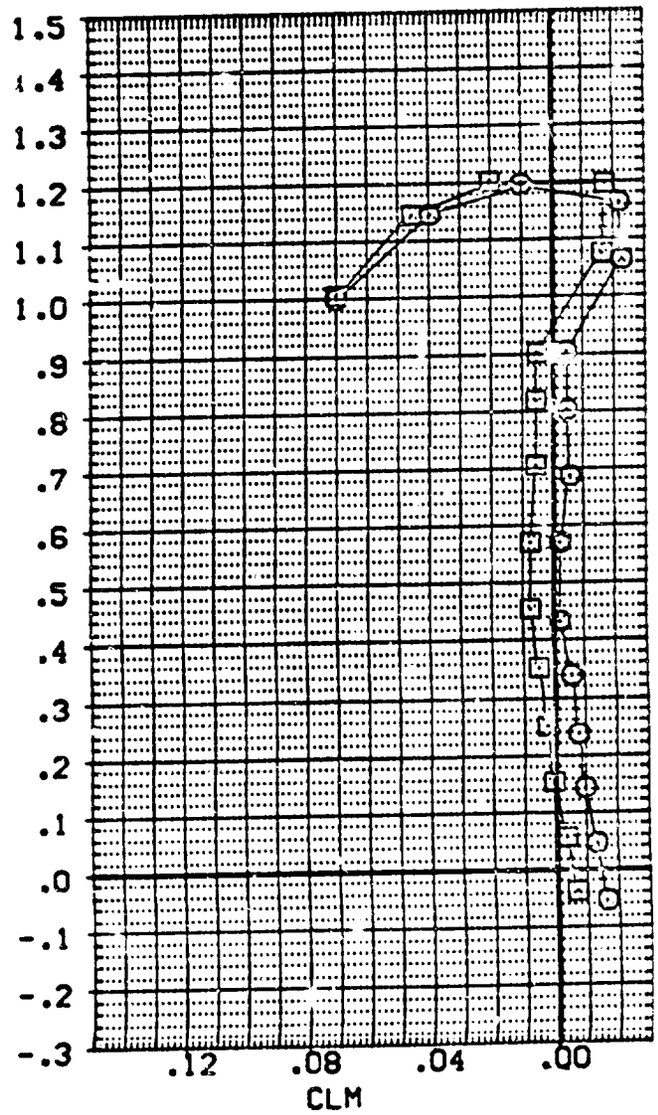
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0856-MOD. NOSE +OMS
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0858-MOD. NOSE

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	1.000	1.200
.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5629	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



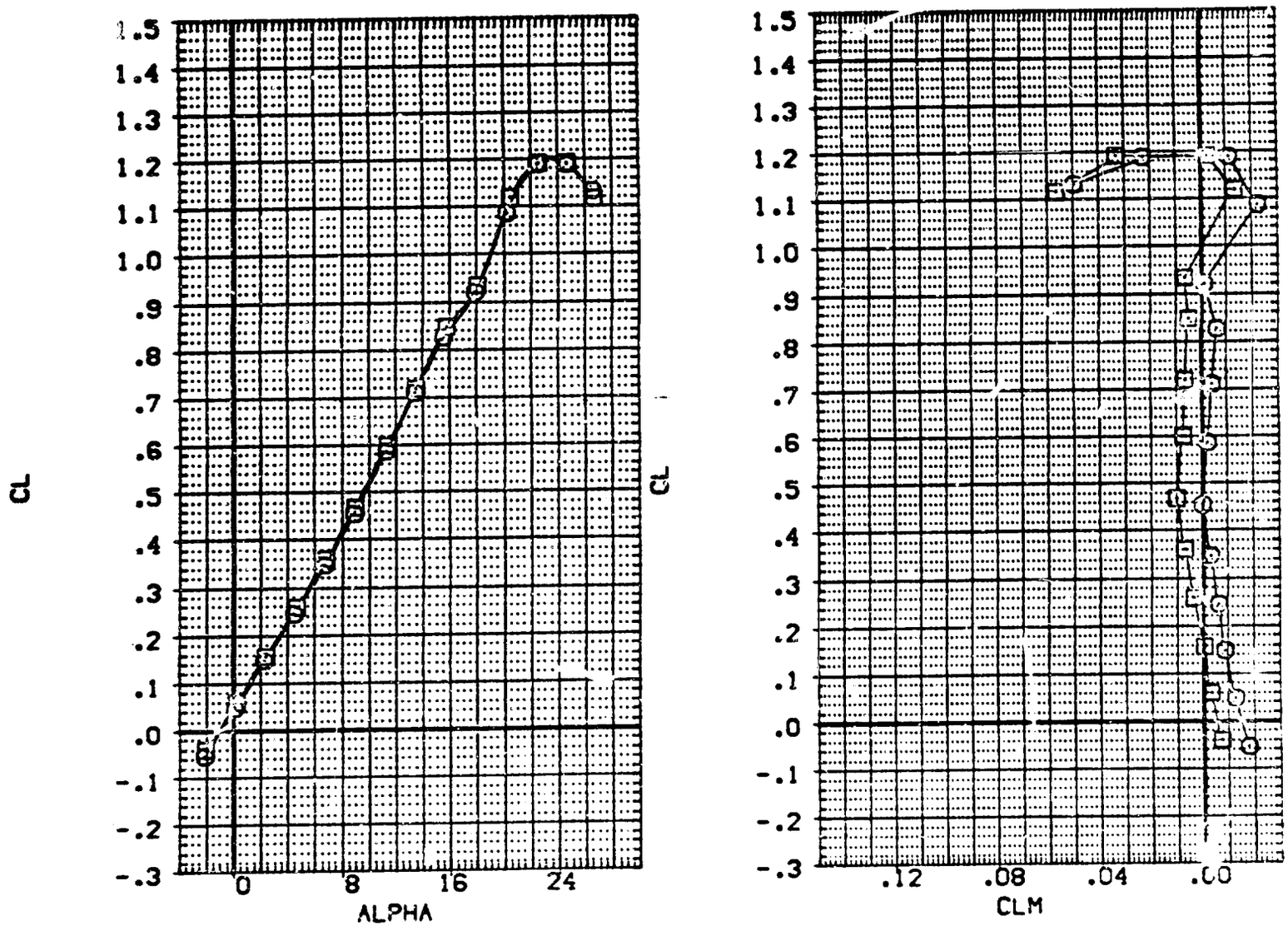


EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	B	LA-9 LARC LTPT 130 NAR 0959-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0959-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9075	INCHES
BREF	17.5628	INCHES
XMRP	15.5532	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0189	SCALE



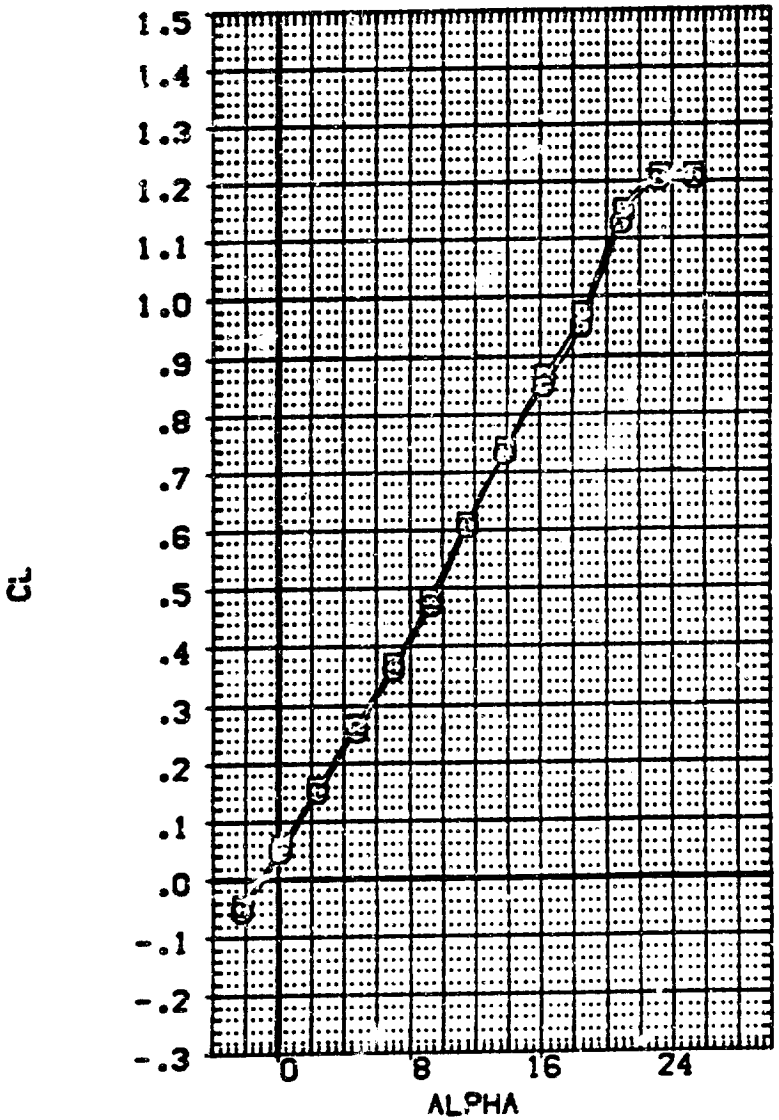
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

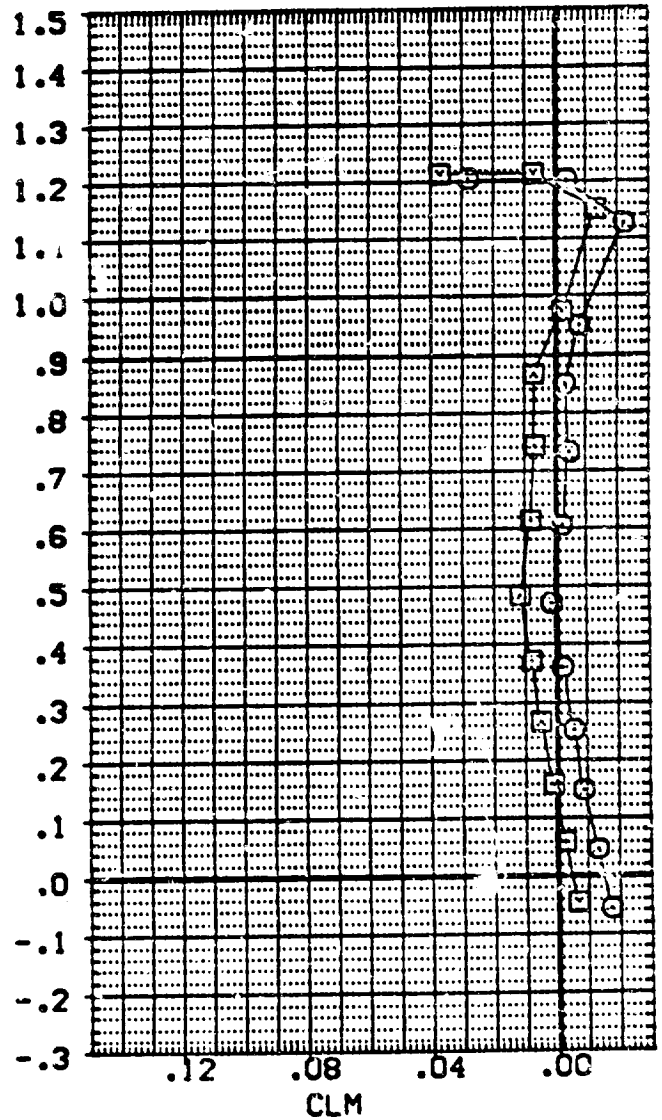
(B)RN/L = 4.05

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007) ○	LA-8 LARC LTPT 130 NAR 0858-H00. NOSE +OMS	.000	.000	1.000	1.200
(RP7008) □	LA-8 LARC LTPT 130 NAR 0858-H00. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	138.1808	SQ. IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





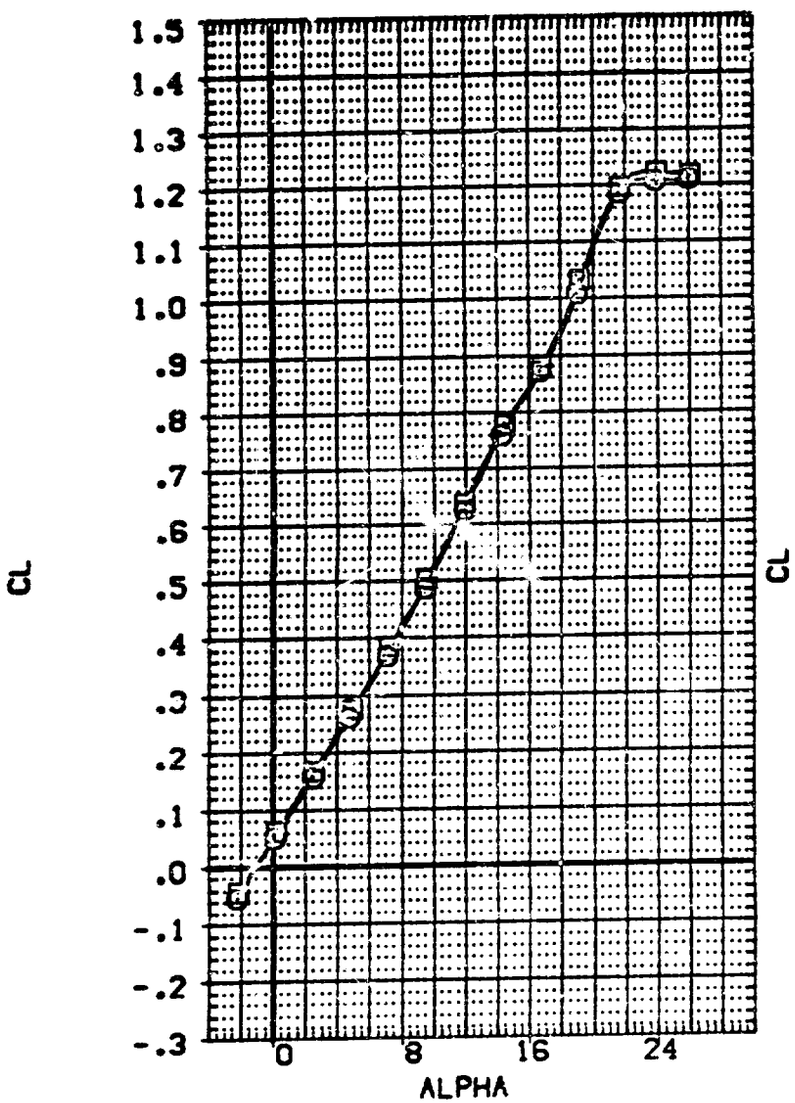
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

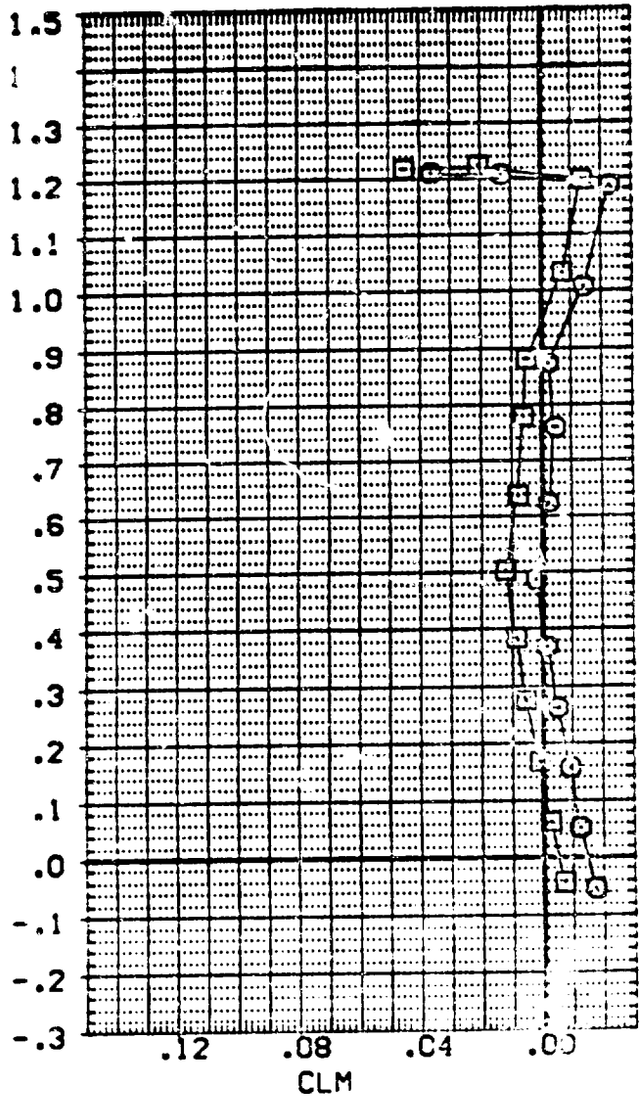
(C)RN/L = 5.92

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDDR	GT-LOC	K/L
(RP7007)	○	LA-8 LARC LTPT 130 NAR 3858-HOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-8 LARC LTPT 130 NAR 0858-HOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.10[illegible]	SQ.IN.
LREF	8.90[illegible]	INCHES
BREF	17.5[illegible]	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





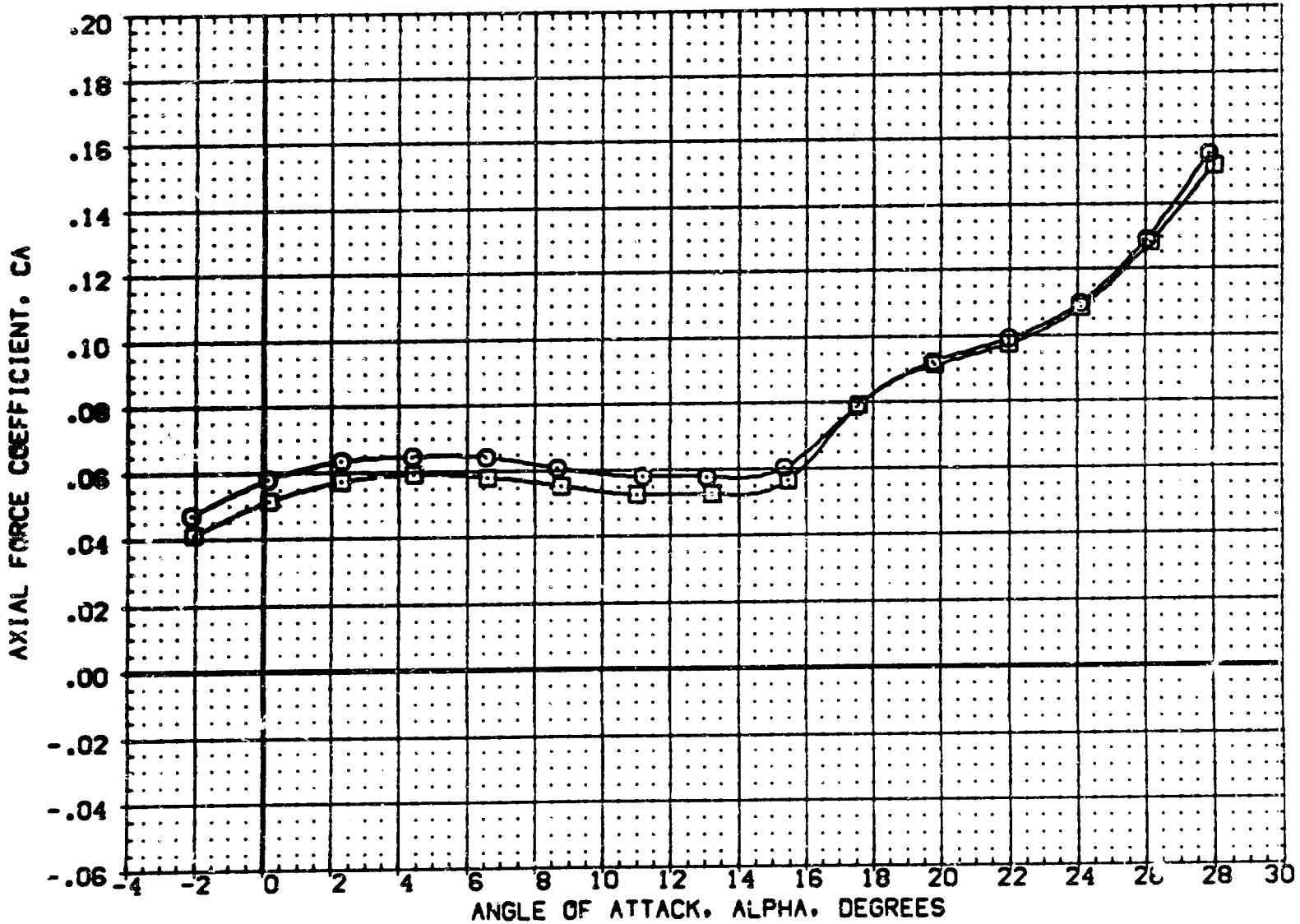
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(D)RN/L = 7.93

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LSK	K/L
(RP7007)	○	LA-8 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-8 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	138.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



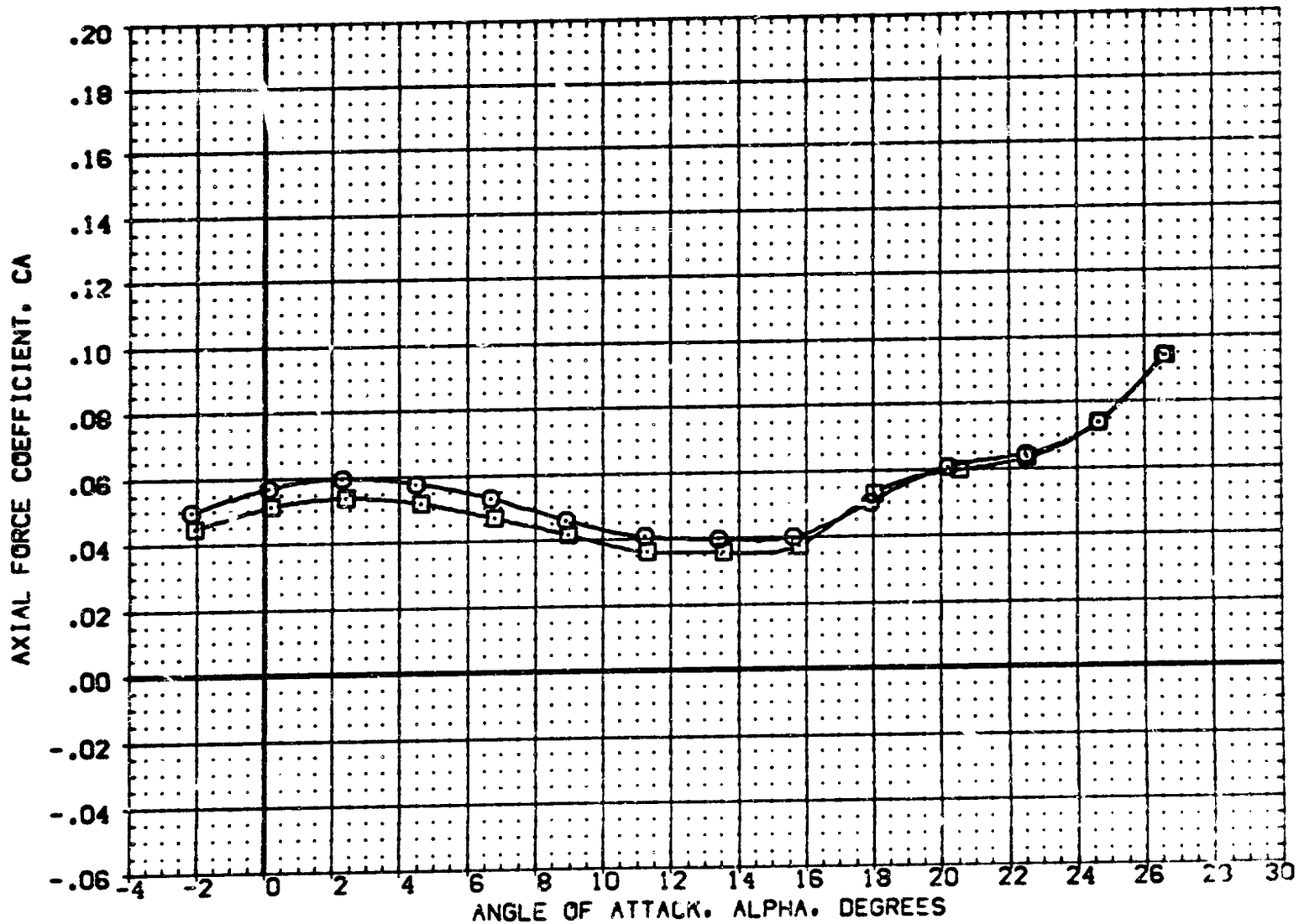
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0858-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7008)	□	LA-9 LARC LTPT 130 NAR 0858-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

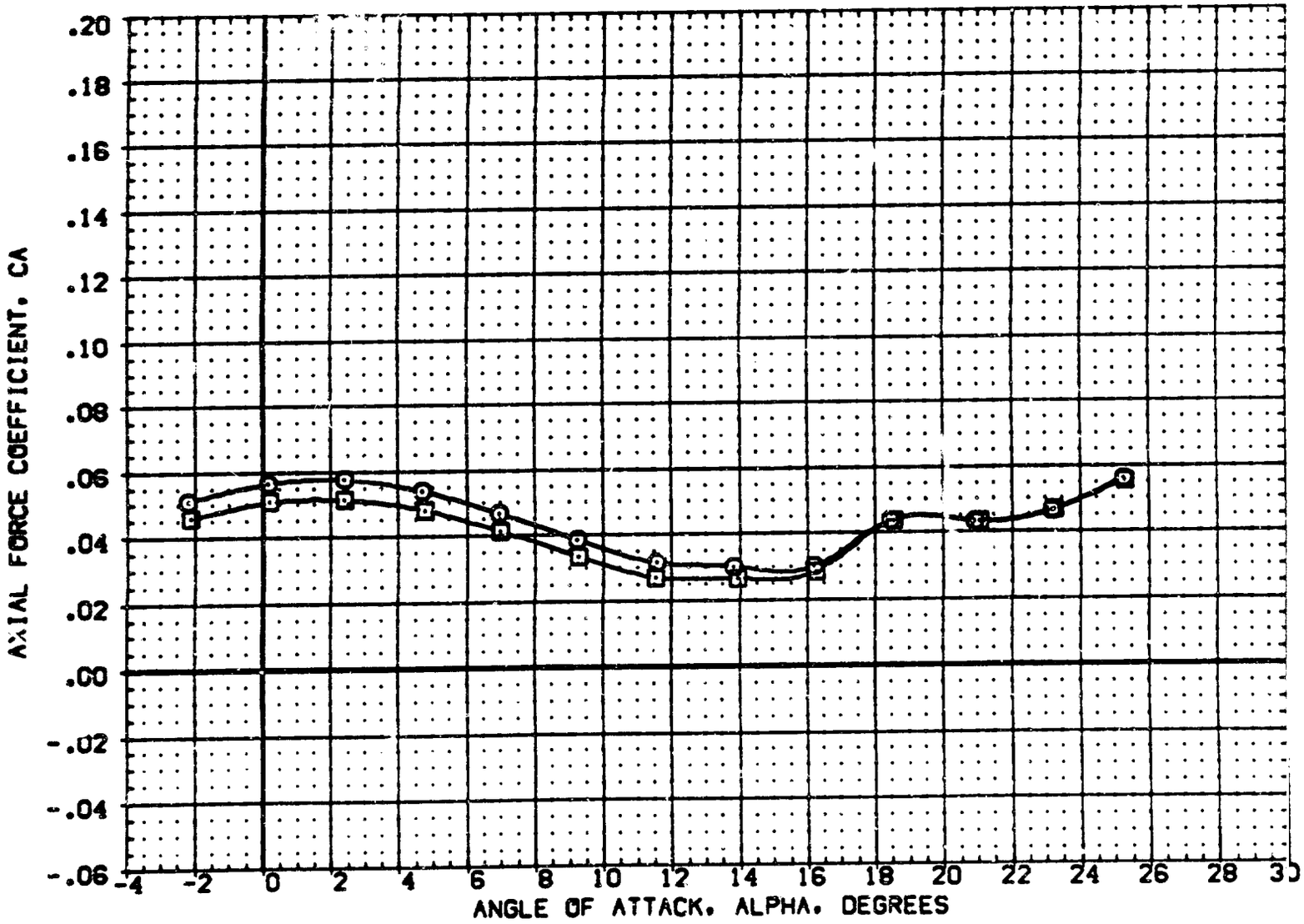


EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(B)RN/[illegible] = 4.05

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)		LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7003)		LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	135.1838	SQ.IN.
LREF	8.9[illegible]	INCHES
BREF	17.5[illegible]	INCHES
XMRP	15.9[illegible]	INCHES
YMRP	.0[illegible]	INCHES
ZMRP	.0[illegible]	INCHES
SCALE	.0168	SCALE

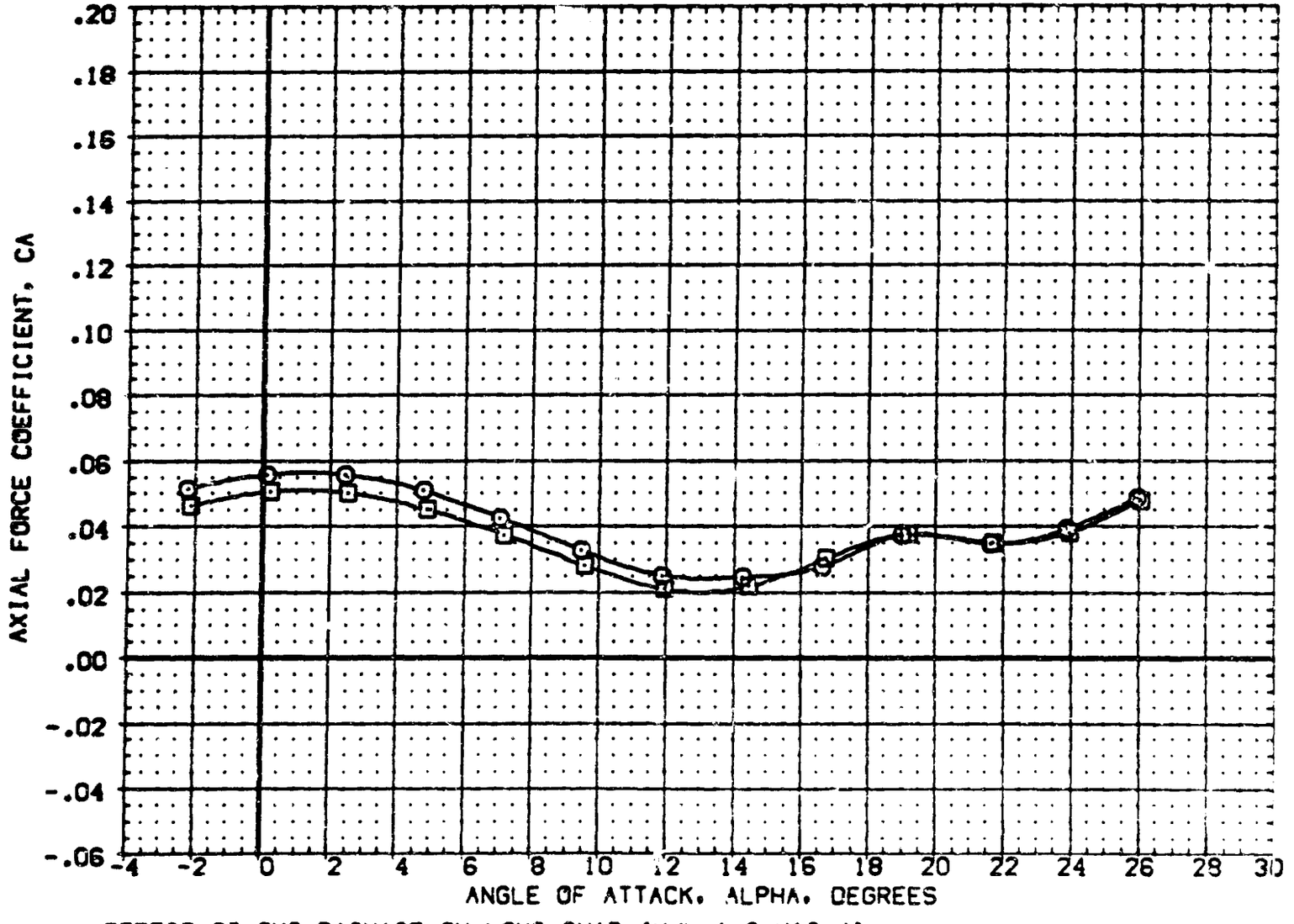


EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(C)RN/L = 5.92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007) ○	LA-8 LARC LTPT 130 NAR OMS-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009) □	LA-8 LARC LTPT 130 NAR OMS-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.5025	INCHES
BREF	17.5628	INCHES
XMRP	15.8638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



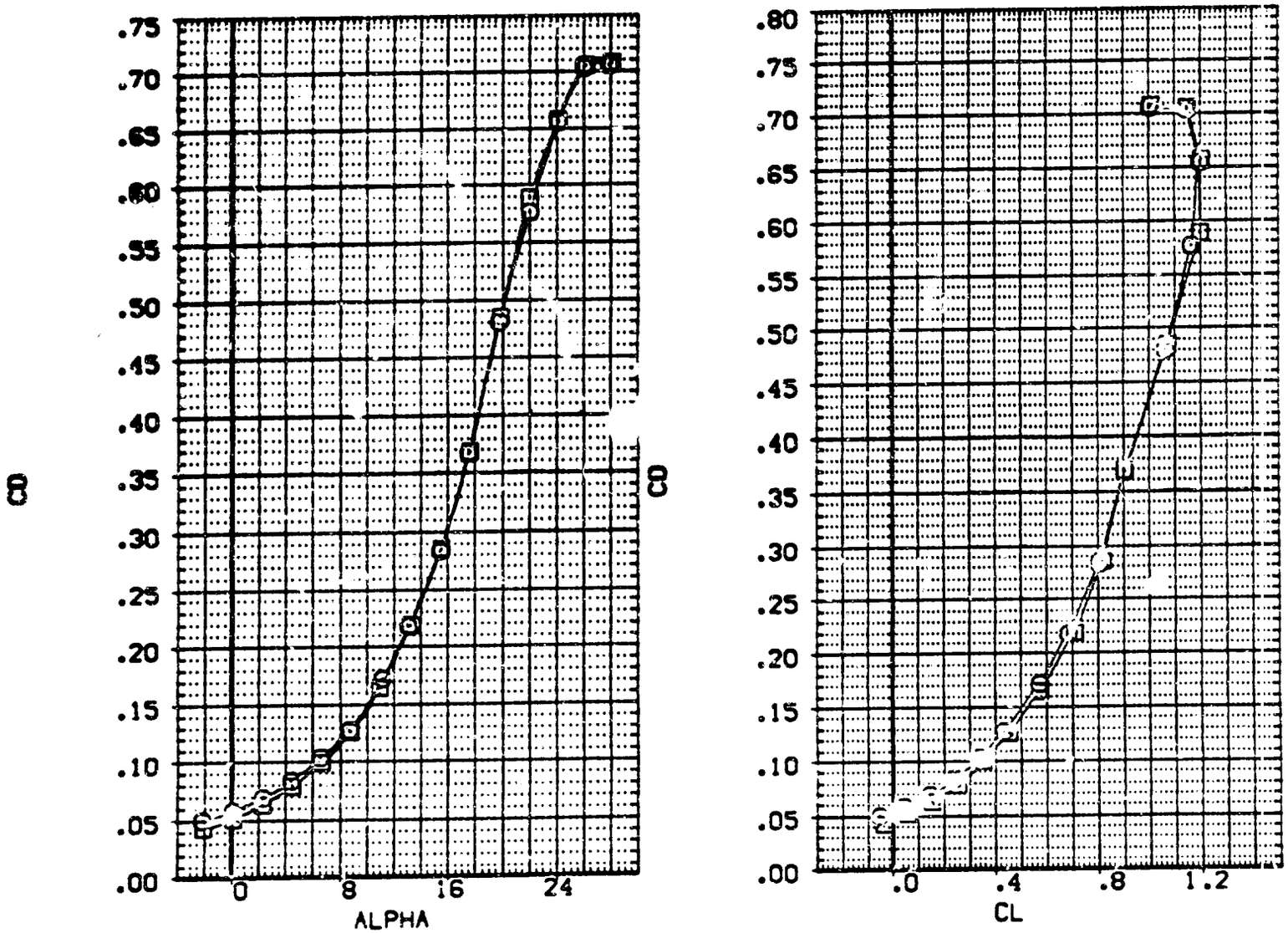
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(D)RN/L = 7.93

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7008)	□	LA-9 LARC LTPT 130 NAR 0897-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5339	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE

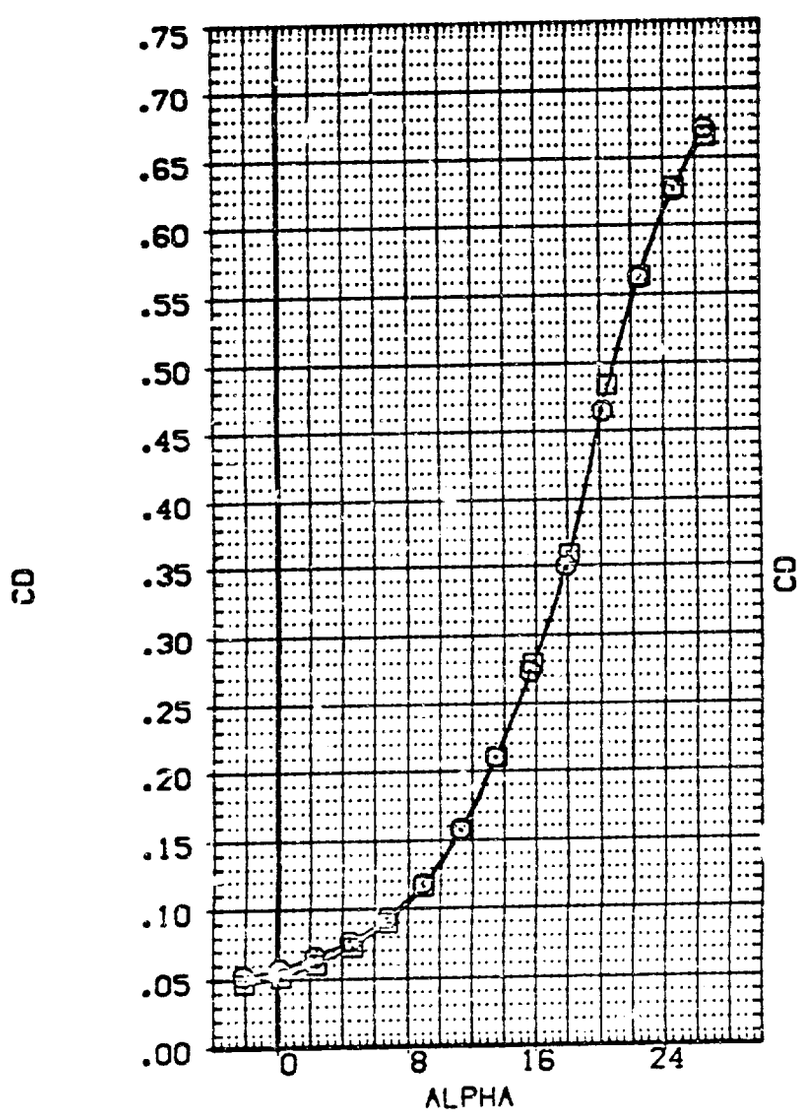


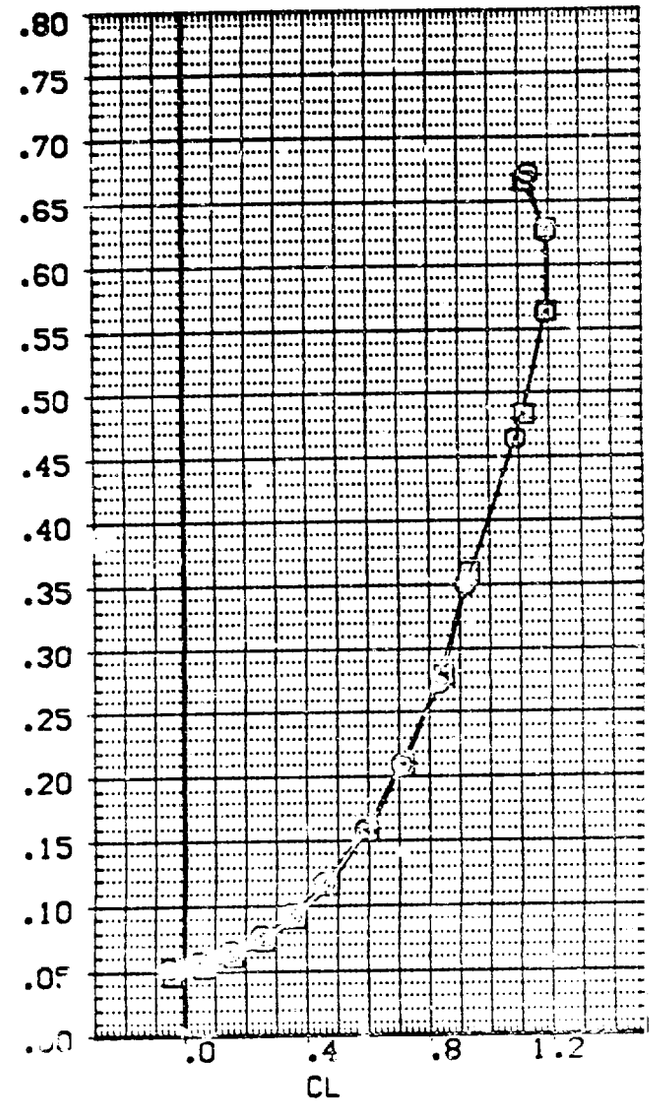
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007) ○	LA-9 LARC LTPT 130 NAR 089B-H00. NOSE +OMS	.000	.000	1.000	1.200
(RP7009) □	LA-9 LARC LTPT 130 NAR 089B-H00. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9125	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

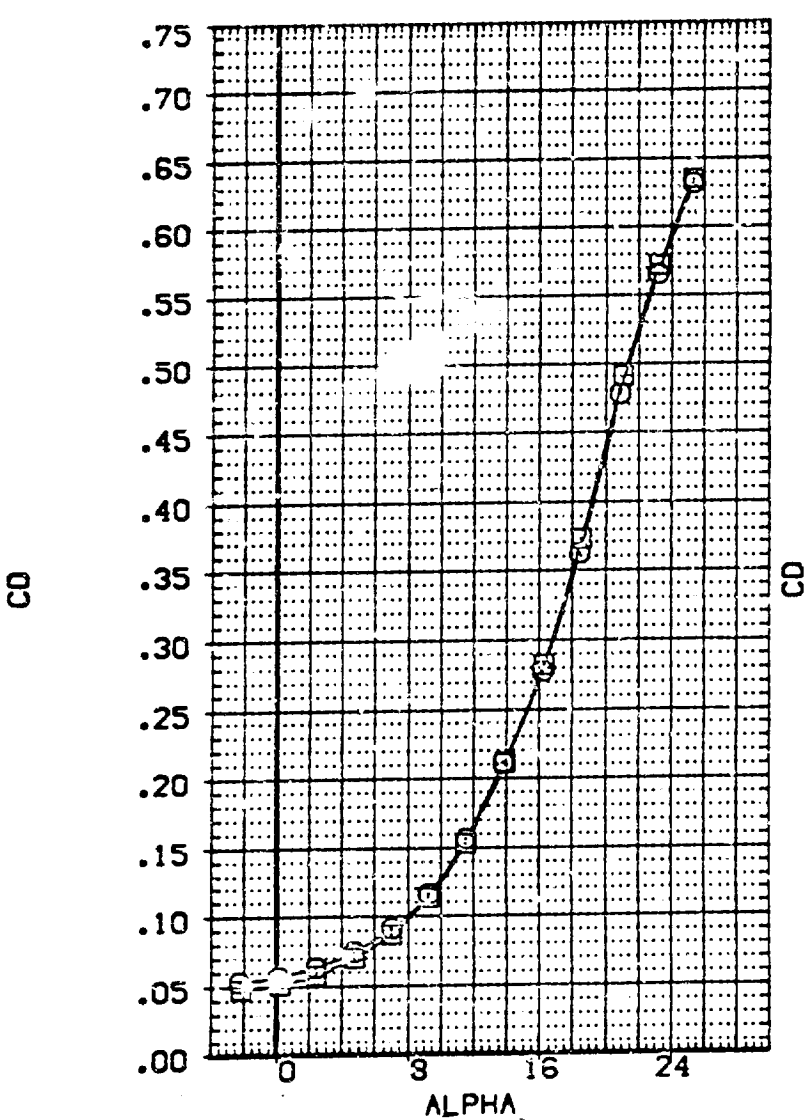
(B)RN/L = 4.05

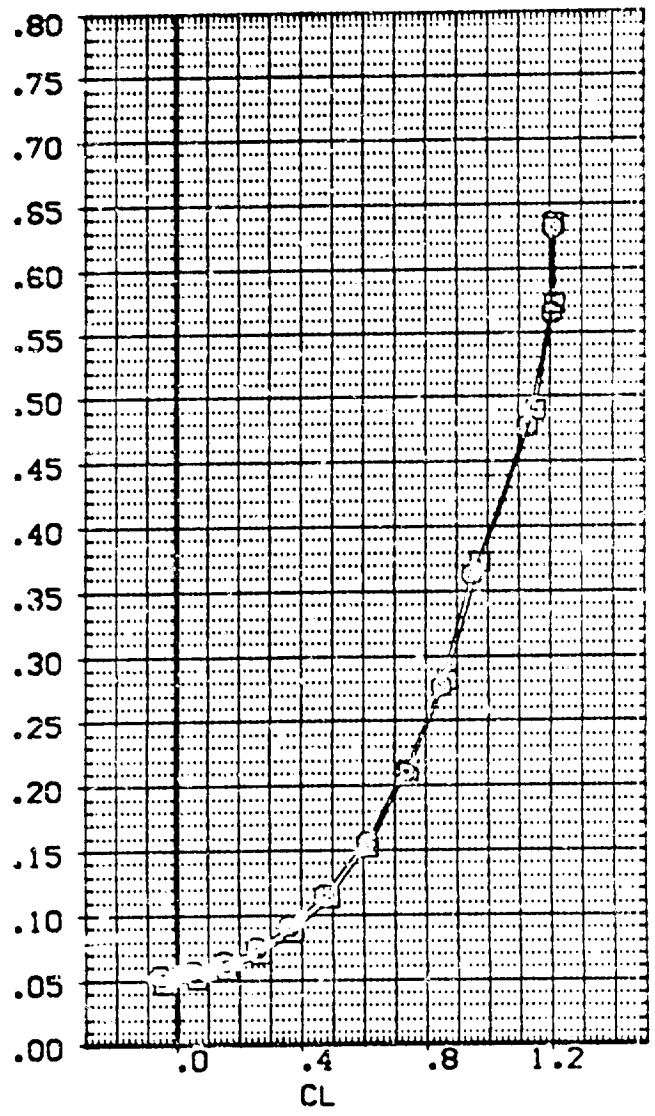
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0898-M00. NOSE +OMS
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0898-M00. NOSE

ELEVTR	RUDFLR	BT-LOC	K/L
.000	.000	1.000	1.200
.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



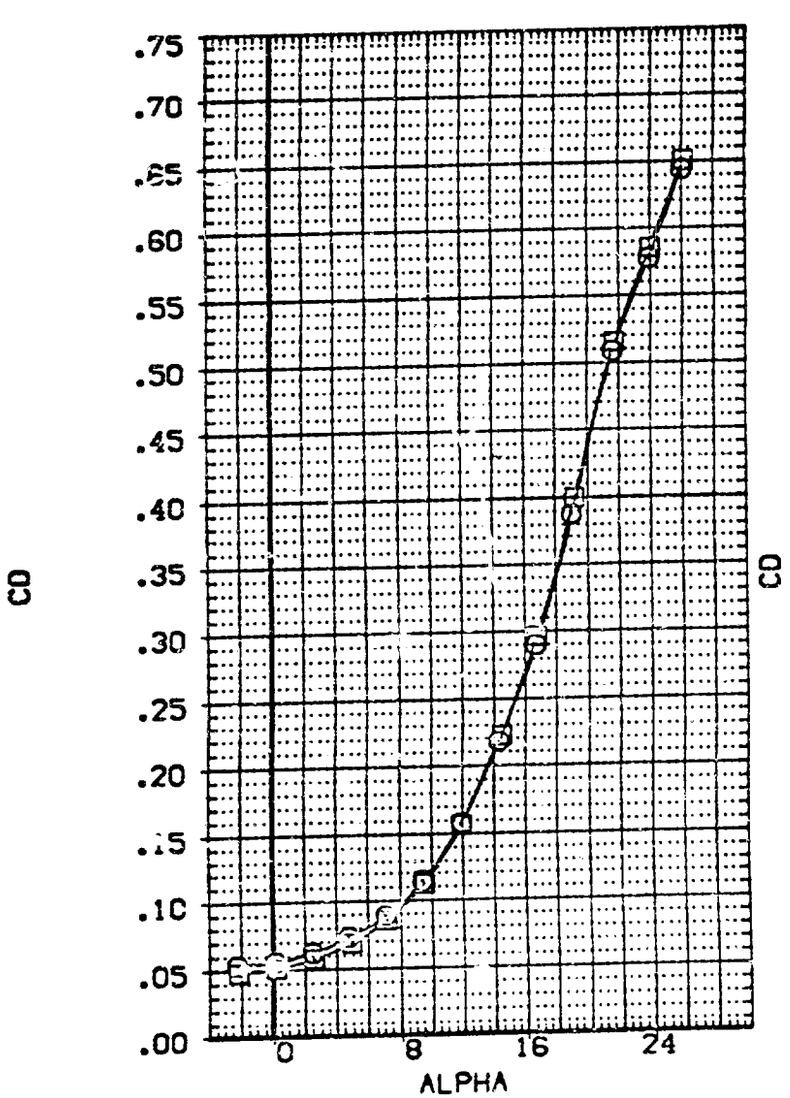


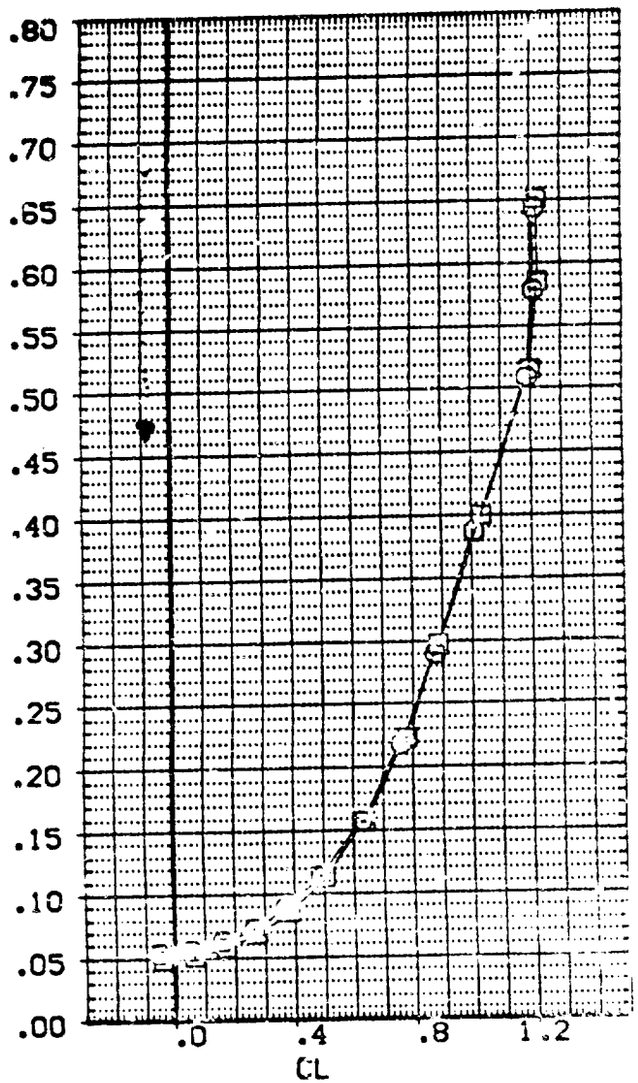
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(C)RN/L = 5.92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007) ○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009) □	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1800	SQ.IN.
LREF	9.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE





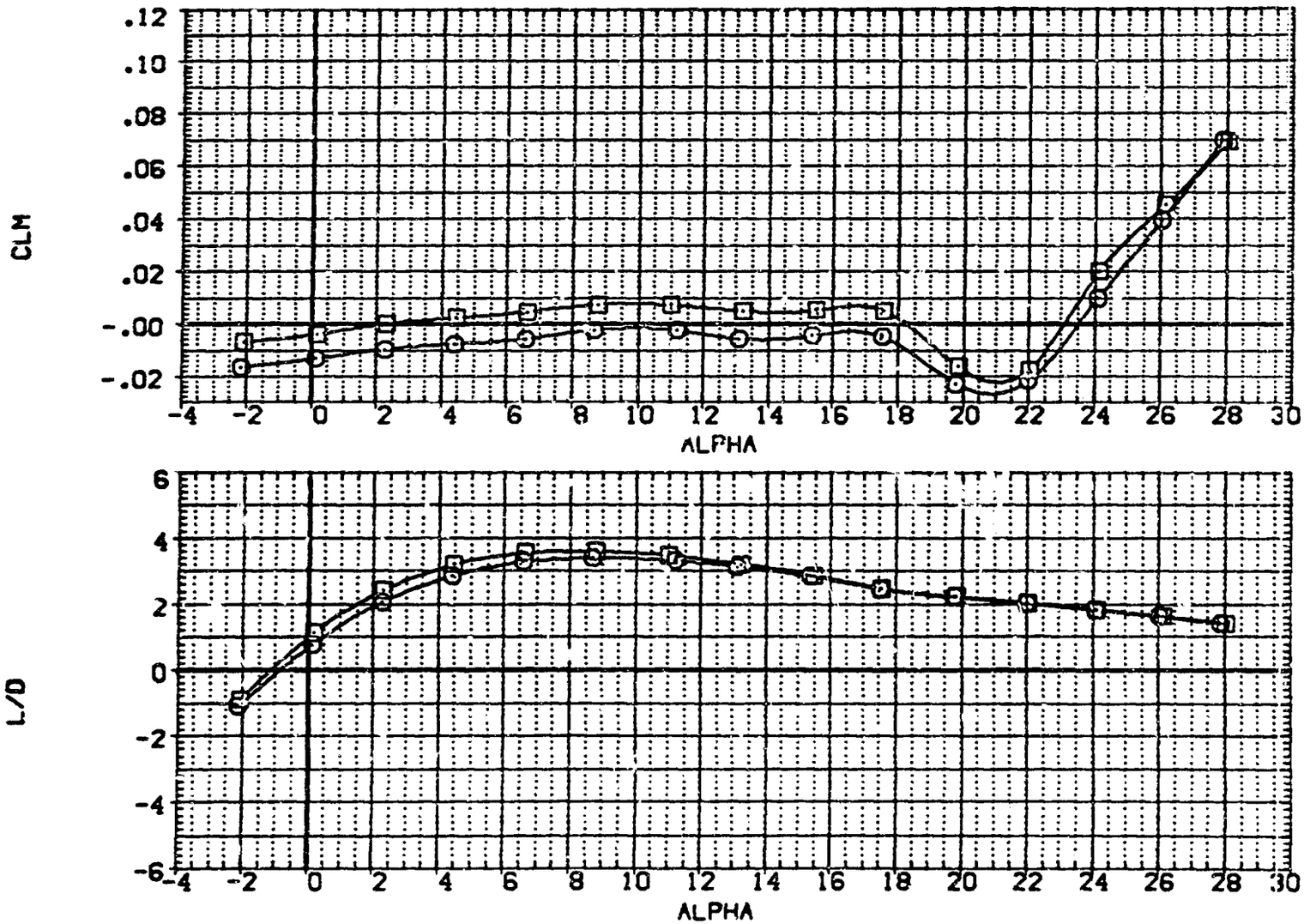
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(D)RN/L = 7.93

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7005)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE

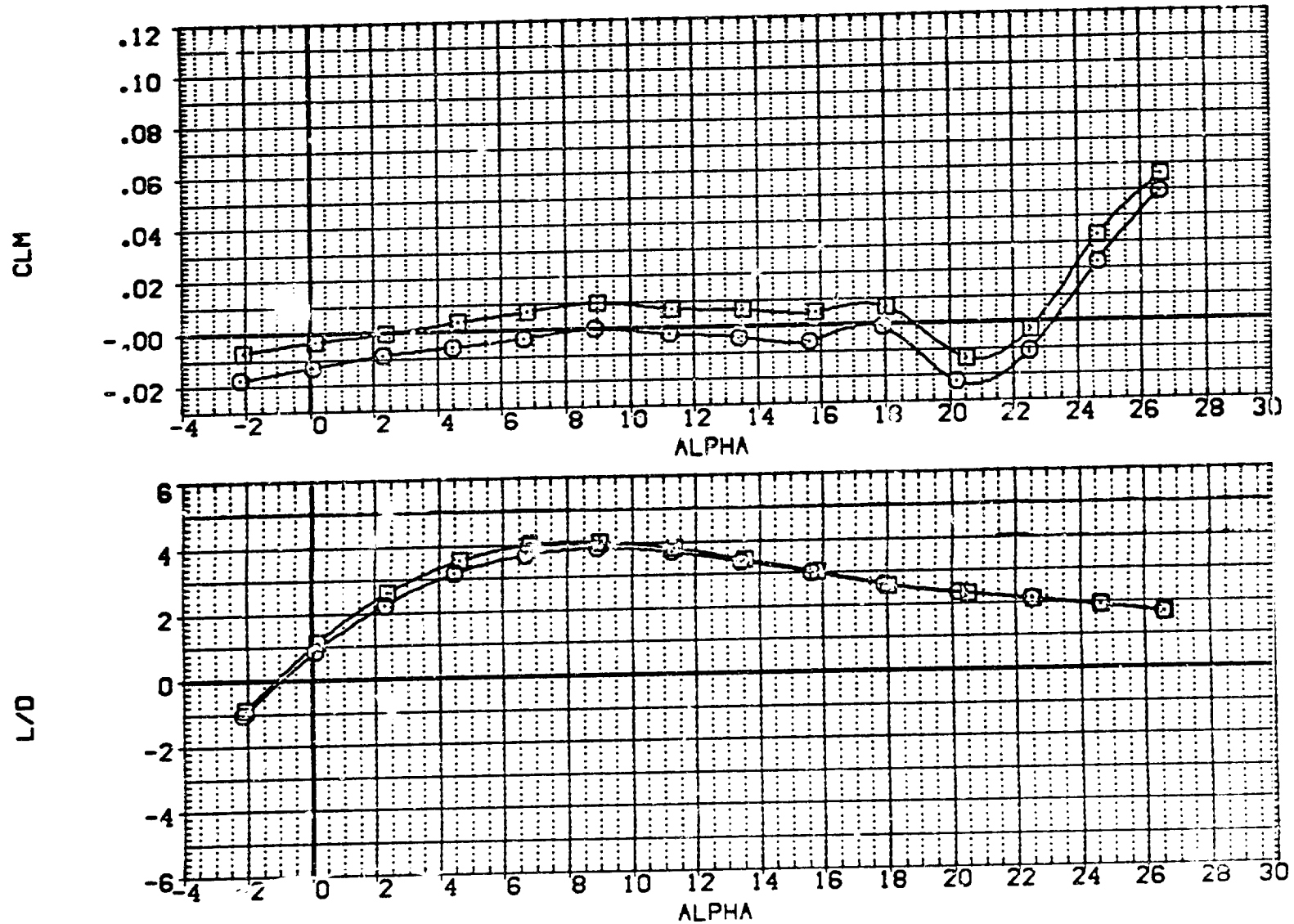


EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

(A)RN/L = 2.52

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LOC	K/L
(RP7007) ○	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +OMS	.000	.000	1.000	1.200
(RP7009) □	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9603	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE



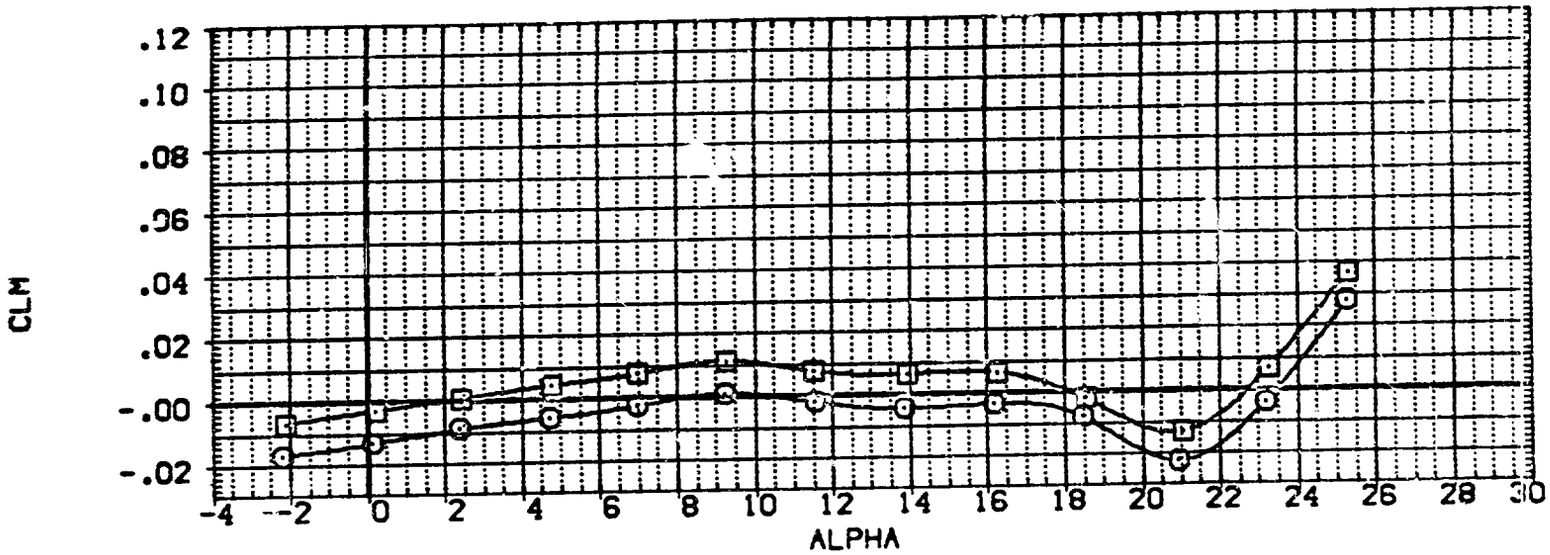
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

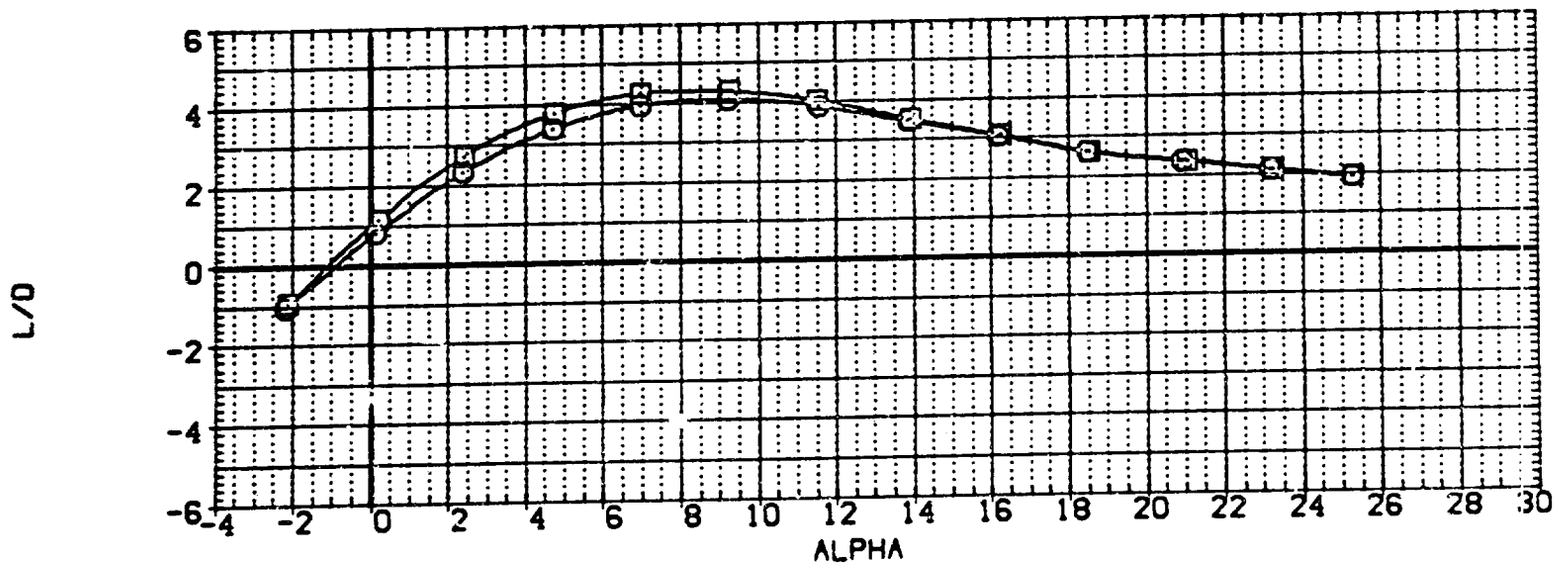
(B)RN/L = 4.05

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(RP7007)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(RP7009)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5629	INCHES
XMRP	15.8633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





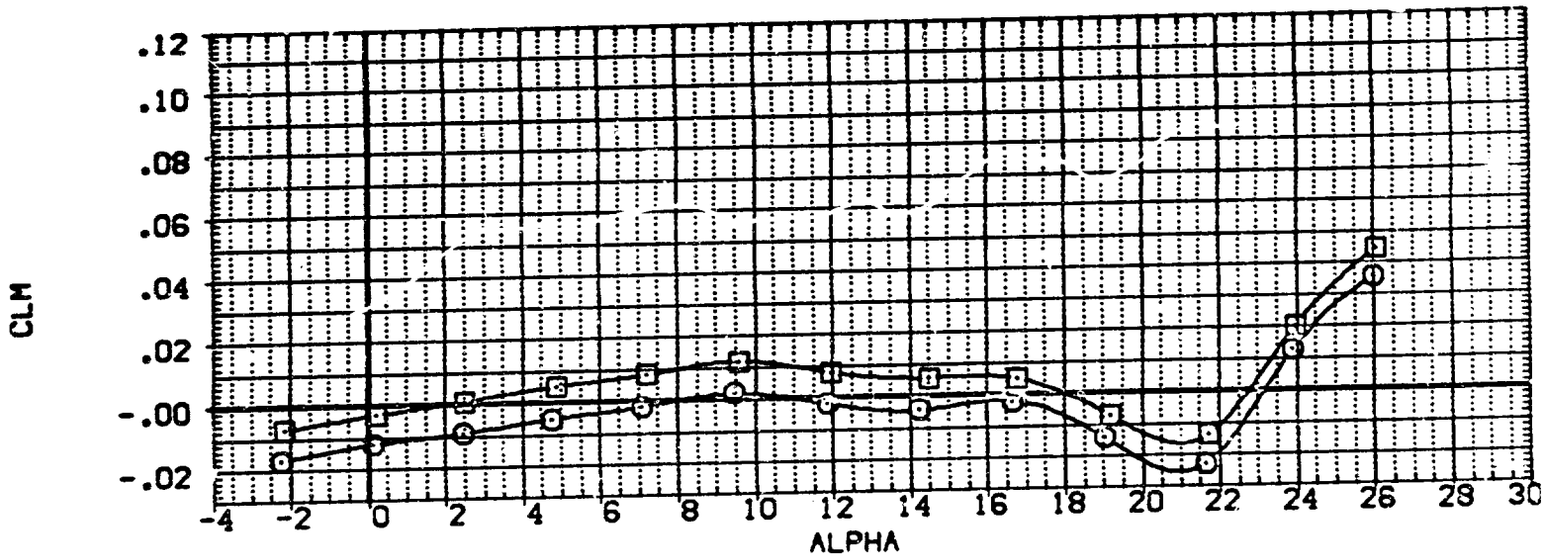
EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

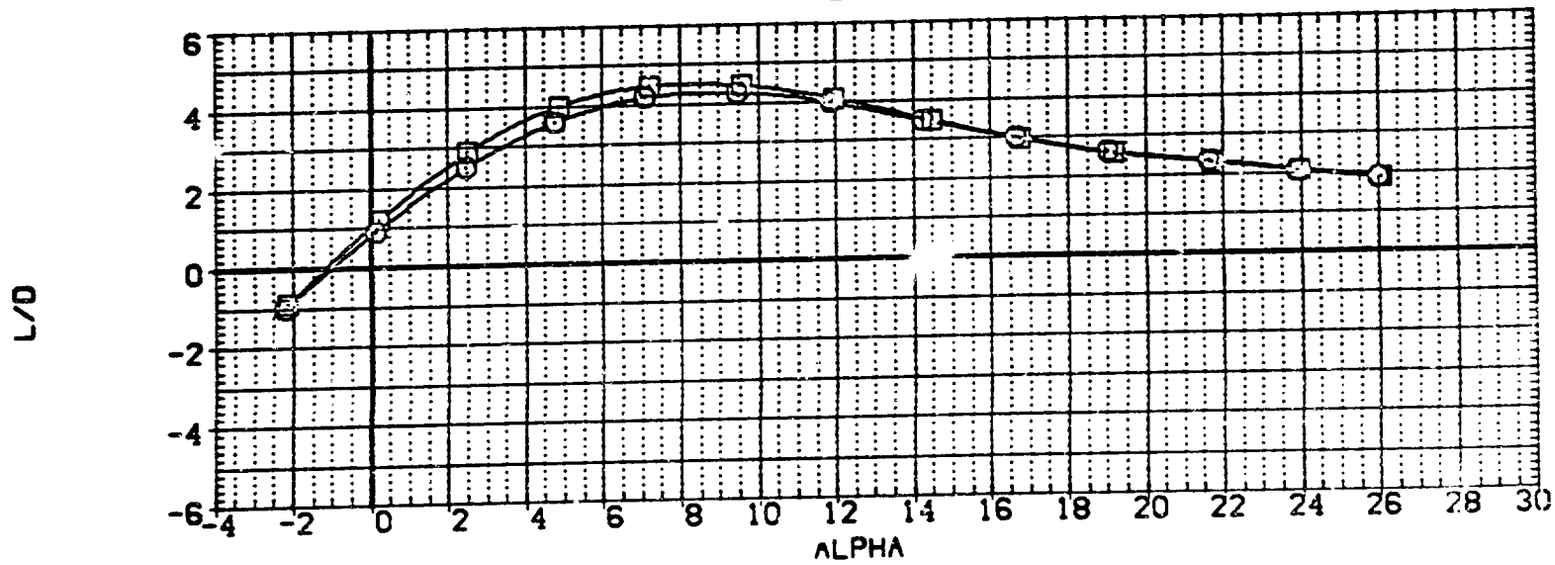
(C)RN/L = 5.92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LOC	K/L
[RP7007]	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +OMS	.000	.000	1.000	1.200
[RP7009]	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5639	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE





EFFECT OF OMS PACKAGE ON LONG CHAR (K/L=1.2 X10-4)

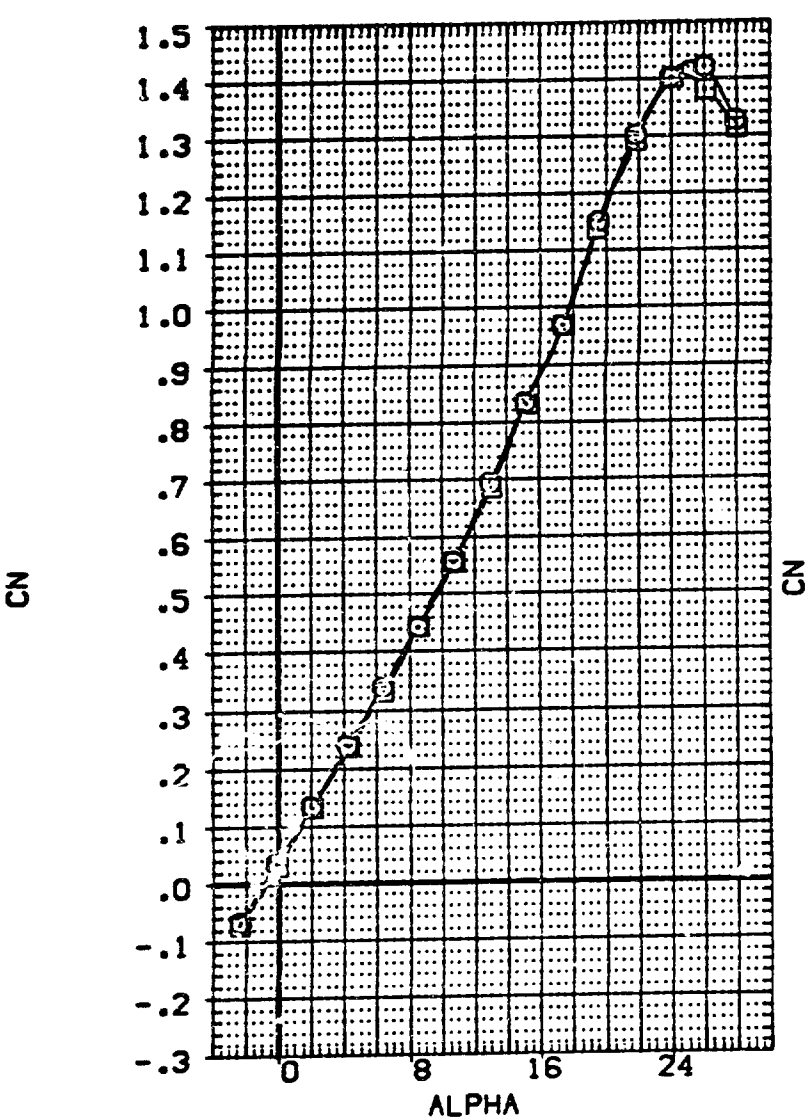
(D)RN/L = 7.93

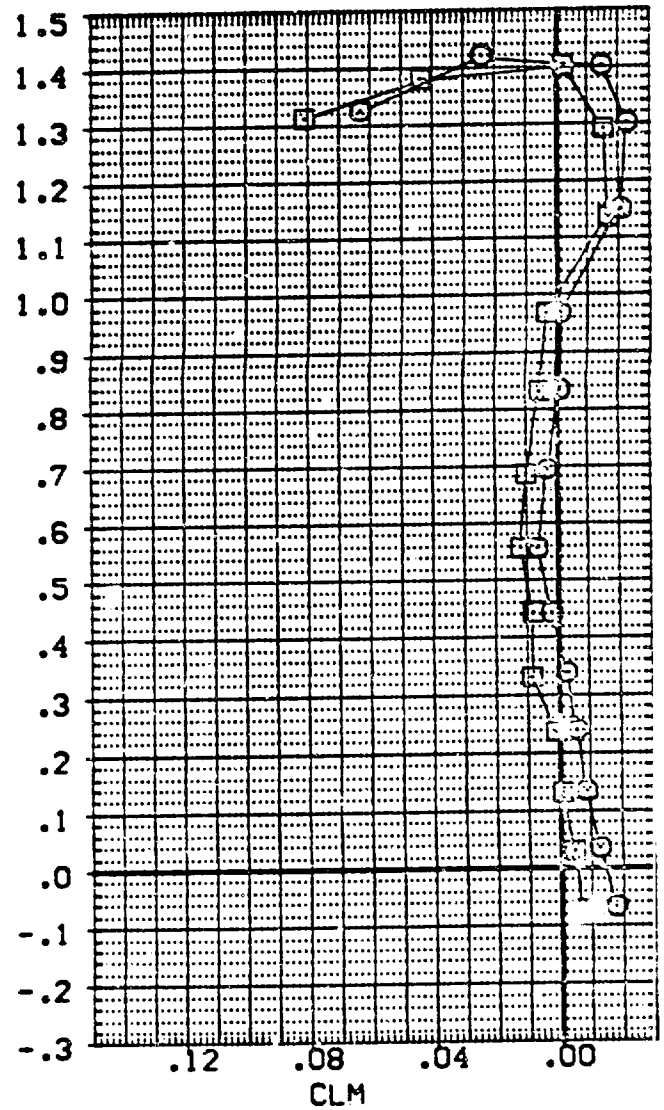
DATA SET SYMBOL		CONFIGURATION DESCRIPTION
[EP7016]	○	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +0MS
[EP7017]	□	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +0MS

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.000
.000	10.000	2.000	2.000

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





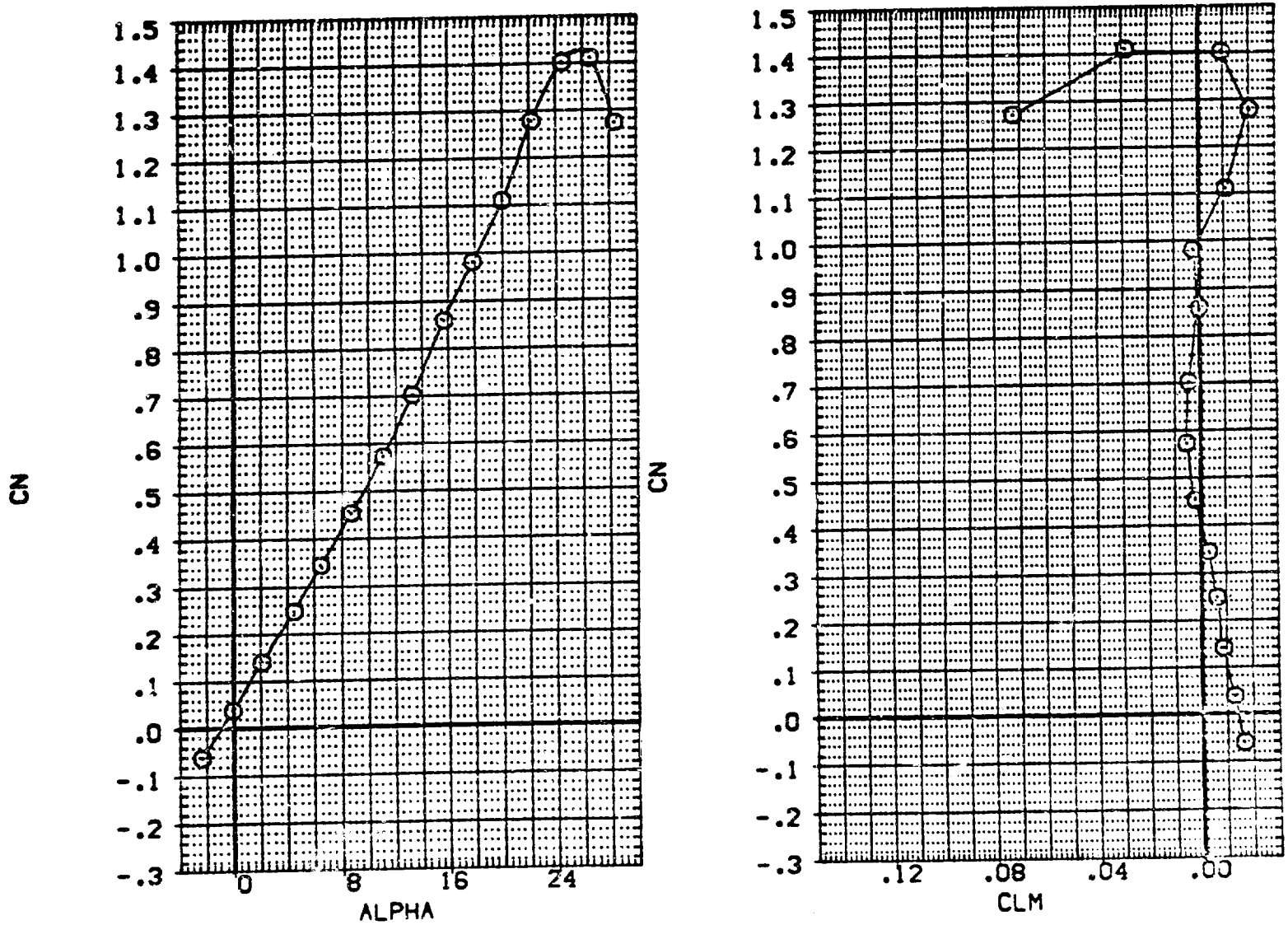
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(A)RN/L = 2.54

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EA)D16)	LA-9 LARC LTPT 135 NAR 0999-MOD. NOSE +0°S
(EP)17)	DATA NOT AVAILABLE

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.000
.000	10.000	2.000	2.000

REFERENCE INFORMATION		
SREF	136.1878	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.3638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0165	SCALE



EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

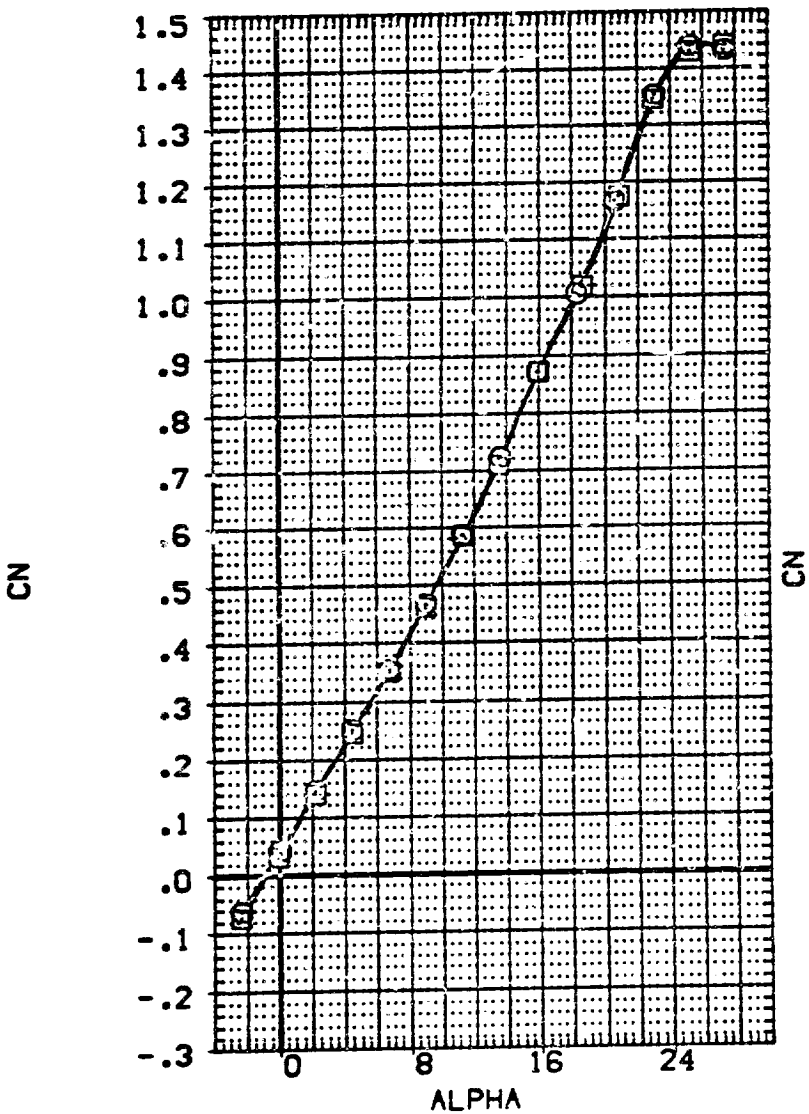
(B)RN/L = 4 12

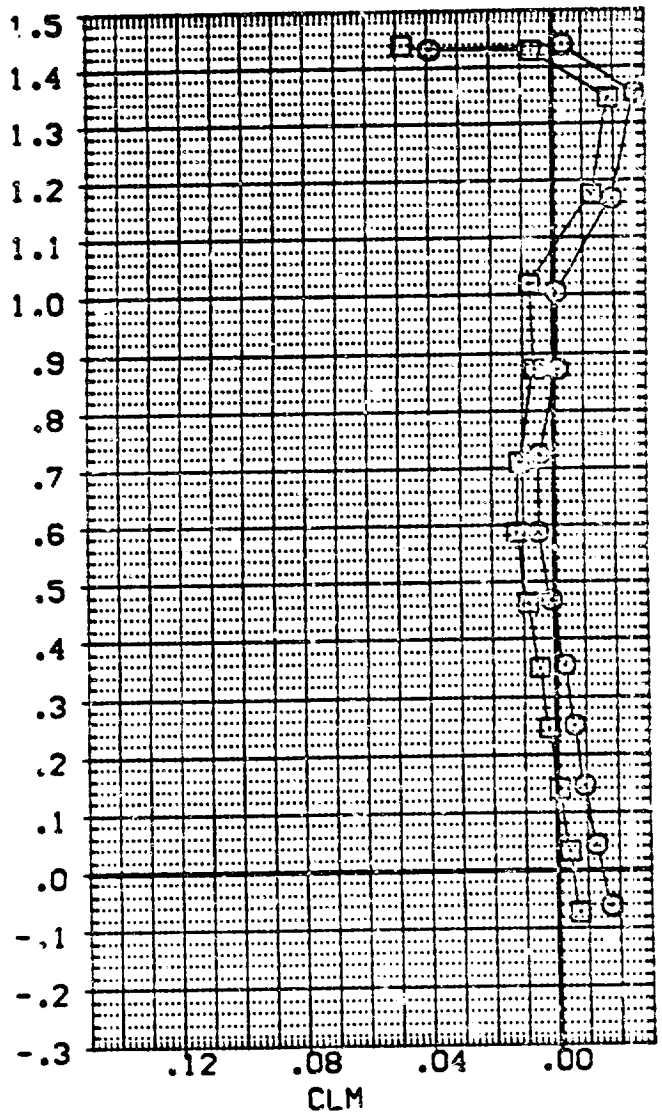
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EP7016)	○	LA-9 LARC LTPT 135 NAR 0859-MOD. NOSE +0MS
(EP7017)	□	LA-9 LARC LTPT 135 NAR 0859-MOD. NOSE +0MS

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.030
.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE





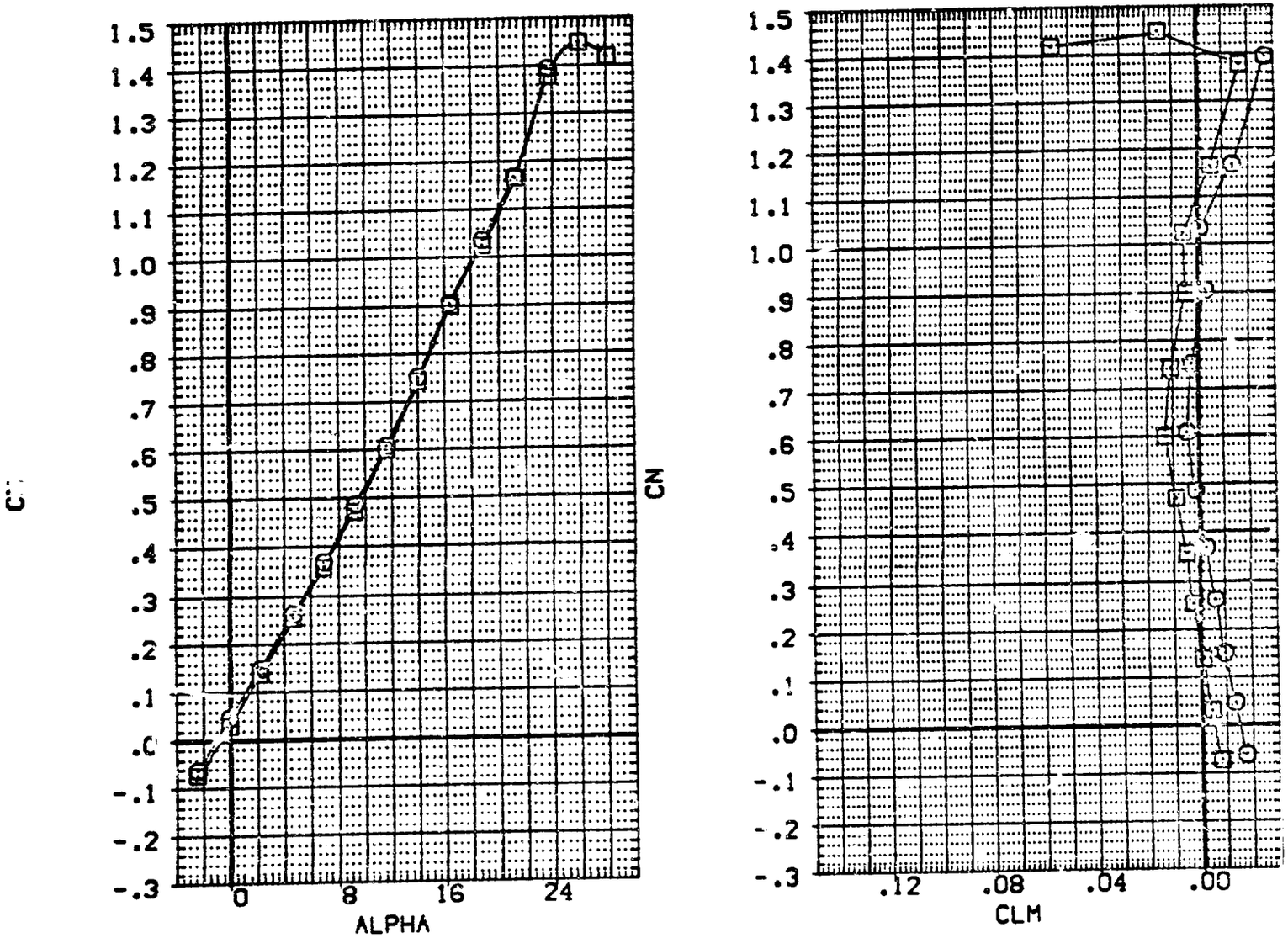
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(C)RN/L = 6.08

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[EP7016]	LA-9 LARC LTPT 135 NAR 0698-HOO. NOSE +0MS
[EP7017]	LA-9 LARC LTPT 135 NAR 0898-HOO. NOSE +0MS

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.000
.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	135.1809	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



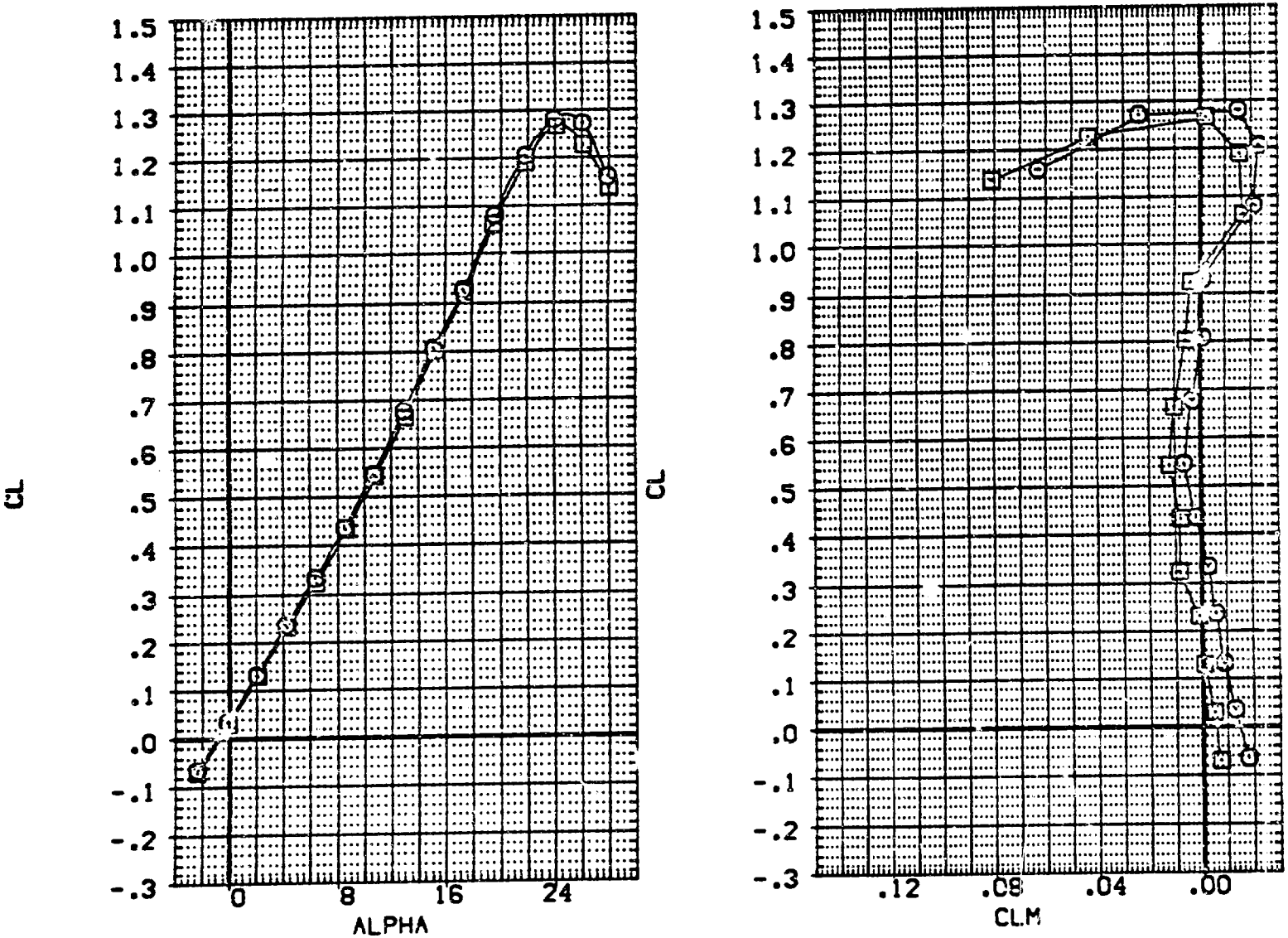
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

[D]RN/L = 8.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	.000	2.000	2.030
(EP7017)	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

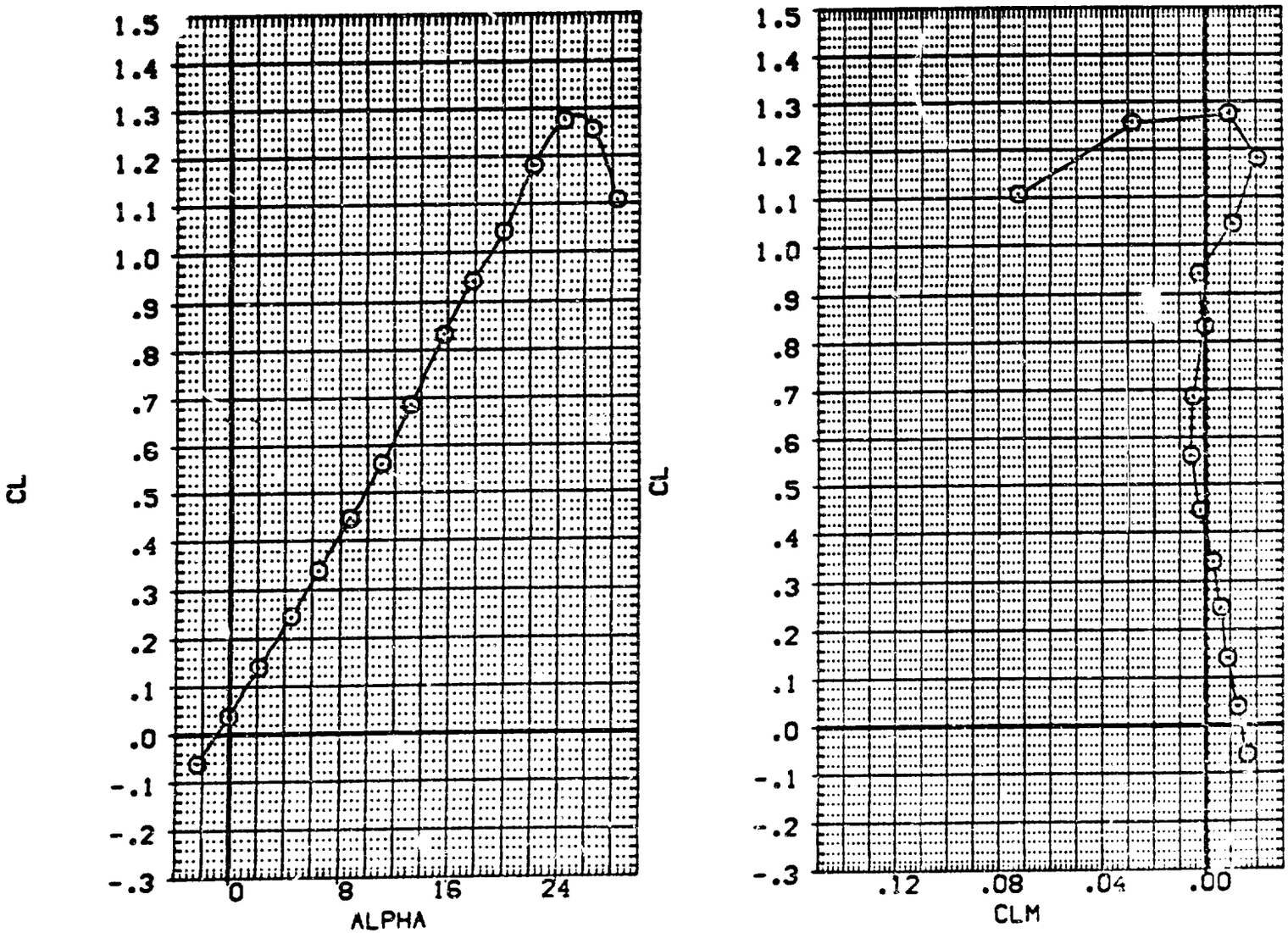
(A)RN/L = 2.54

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EP7016)	LA-9 LARC LTPT 135 NAR 0858-HOD. NOSE +0°S
(EP7017)	DATA NOT AVAILABLE

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.030
.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1838	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE

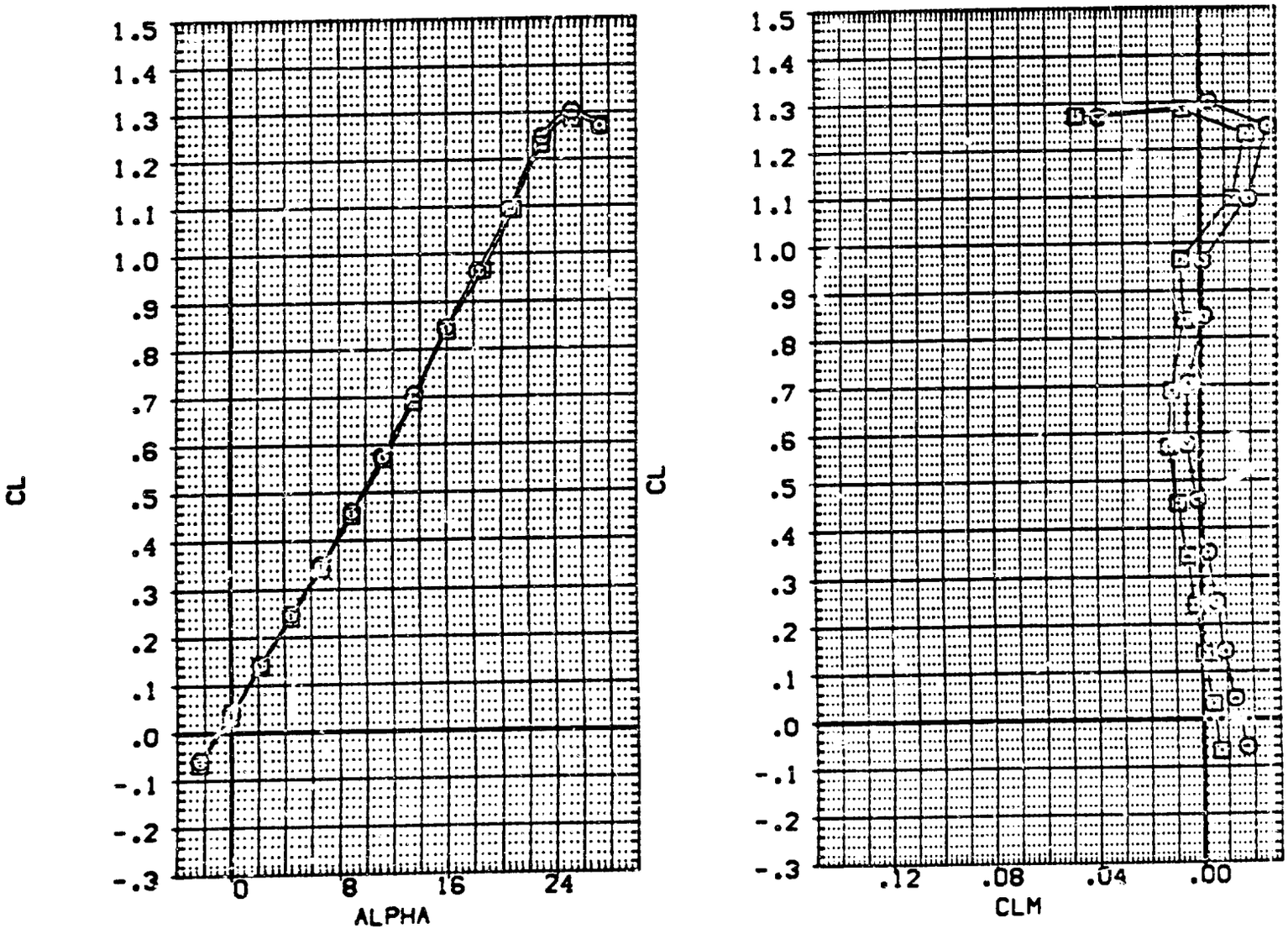


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(B)RN/L = 4.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0°S	.000	.000	2.000	2.000
(EP7017)	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0°S	.000	10.000	2.000	2.000

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE

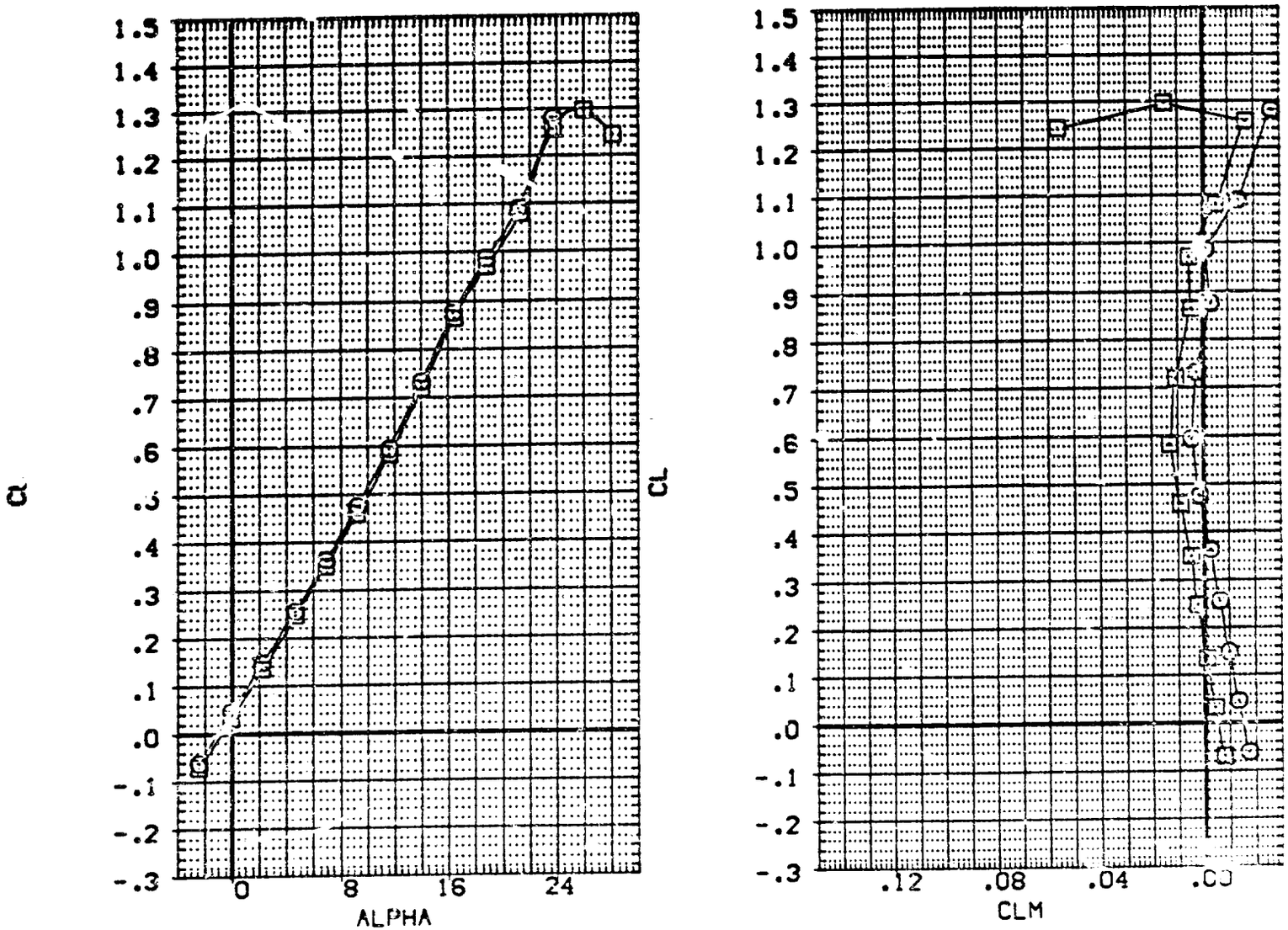


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(C)RN/L = 6.08

DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
[EP7016]	8	LA-8 LARC LTPT 135 NAR 0858-MOD. NOSE +3HS	.000	.000	2.000	2.000
[EP7017]	8	LA-8 LARC LTPT 135 NAR 0858-MOD. NOSE +0HS	.000	10.000	2.000	2.000

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9825	INCHES
BREF	17.5628	INCHES
XMRP	15.0333	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0103	SCALE

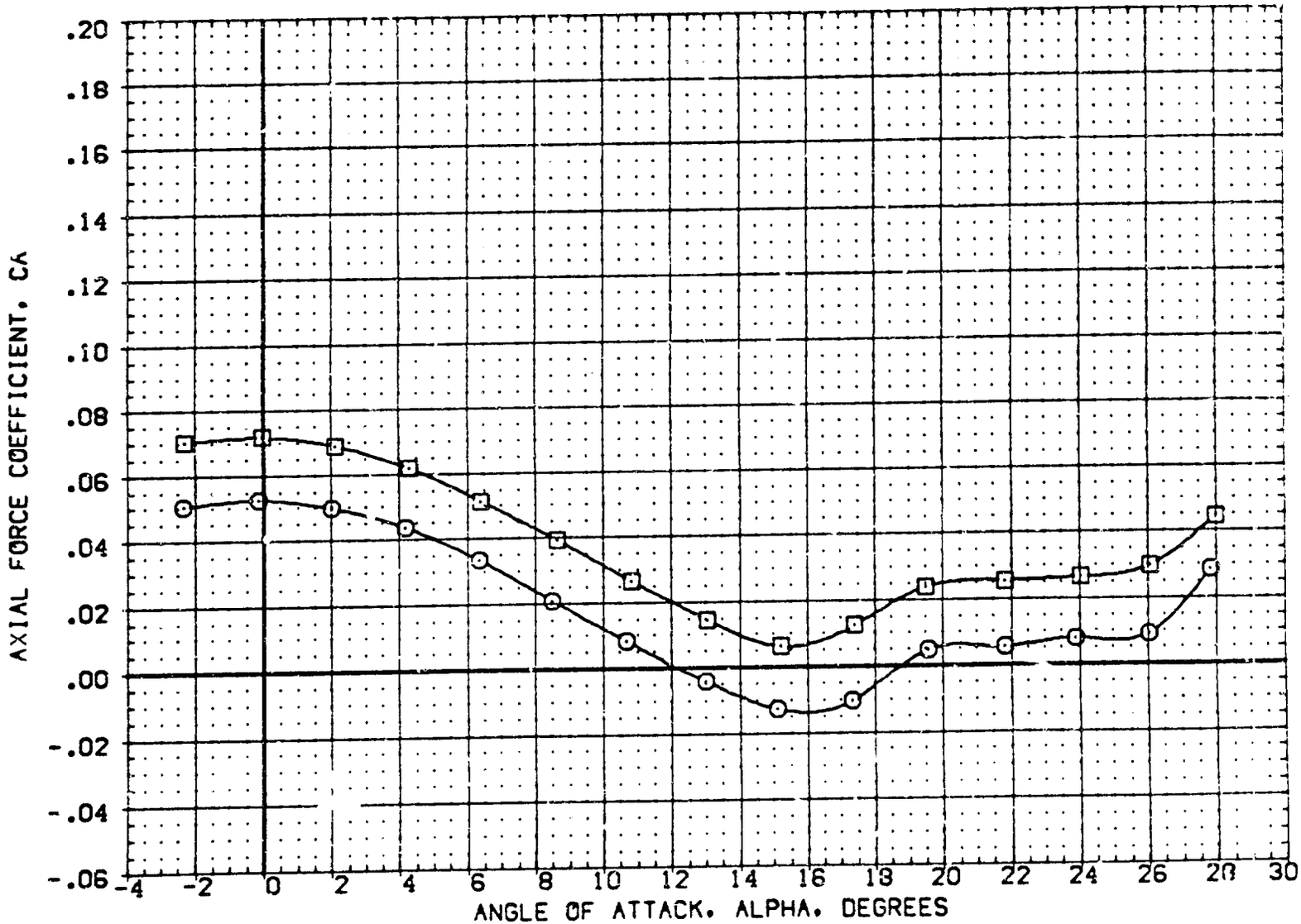


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(D)RN/L = 8.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	○	LA-3 LARC LTPT 135 NAR 0898-MOD. NOSE +0/5	.000	.000	2.000	2.030
(EP7017)	□	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0/5	.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

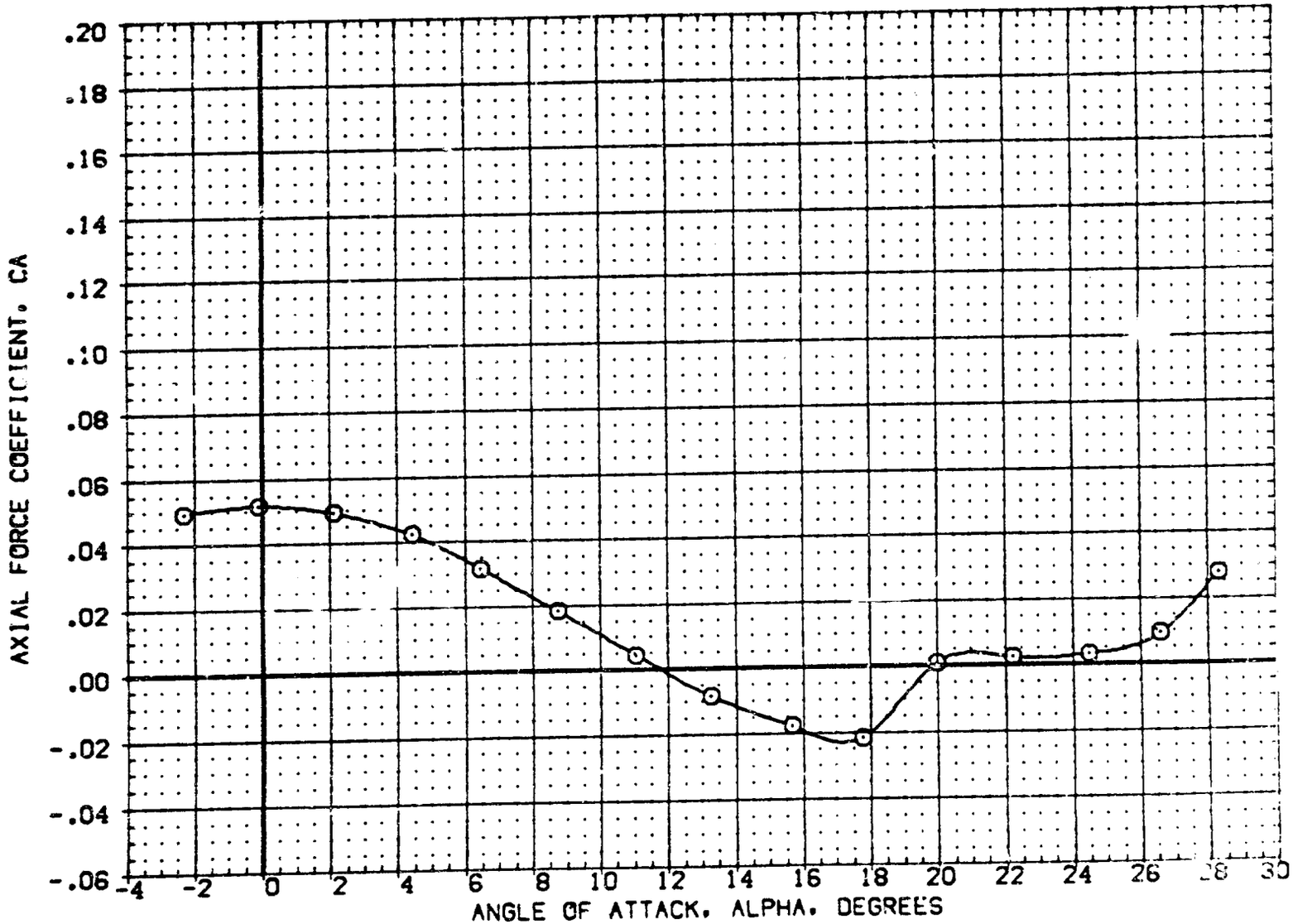


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(A)RN/L = 2.54

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016) ○	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +CMS	.000	.000	2.000	2.030
(EP7017) □	DATA NOT AVAILABLE	.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	136.1808	SQ.INCHES
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.8638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE

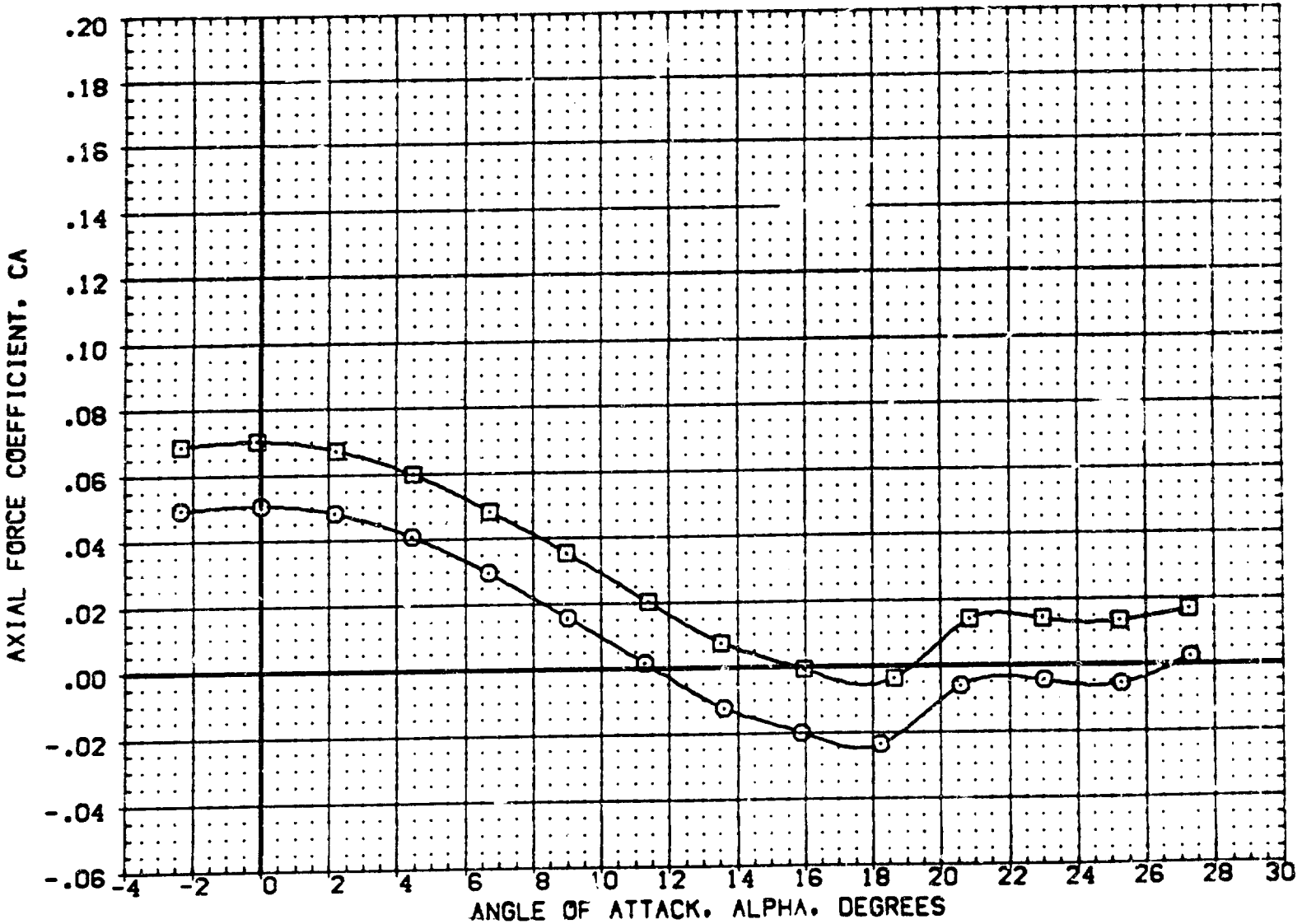


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(B)RN/L = 4.12

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	8	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	.000	2.000	2.030
(EP7017)	□	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	136.1809	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0189	SCALE

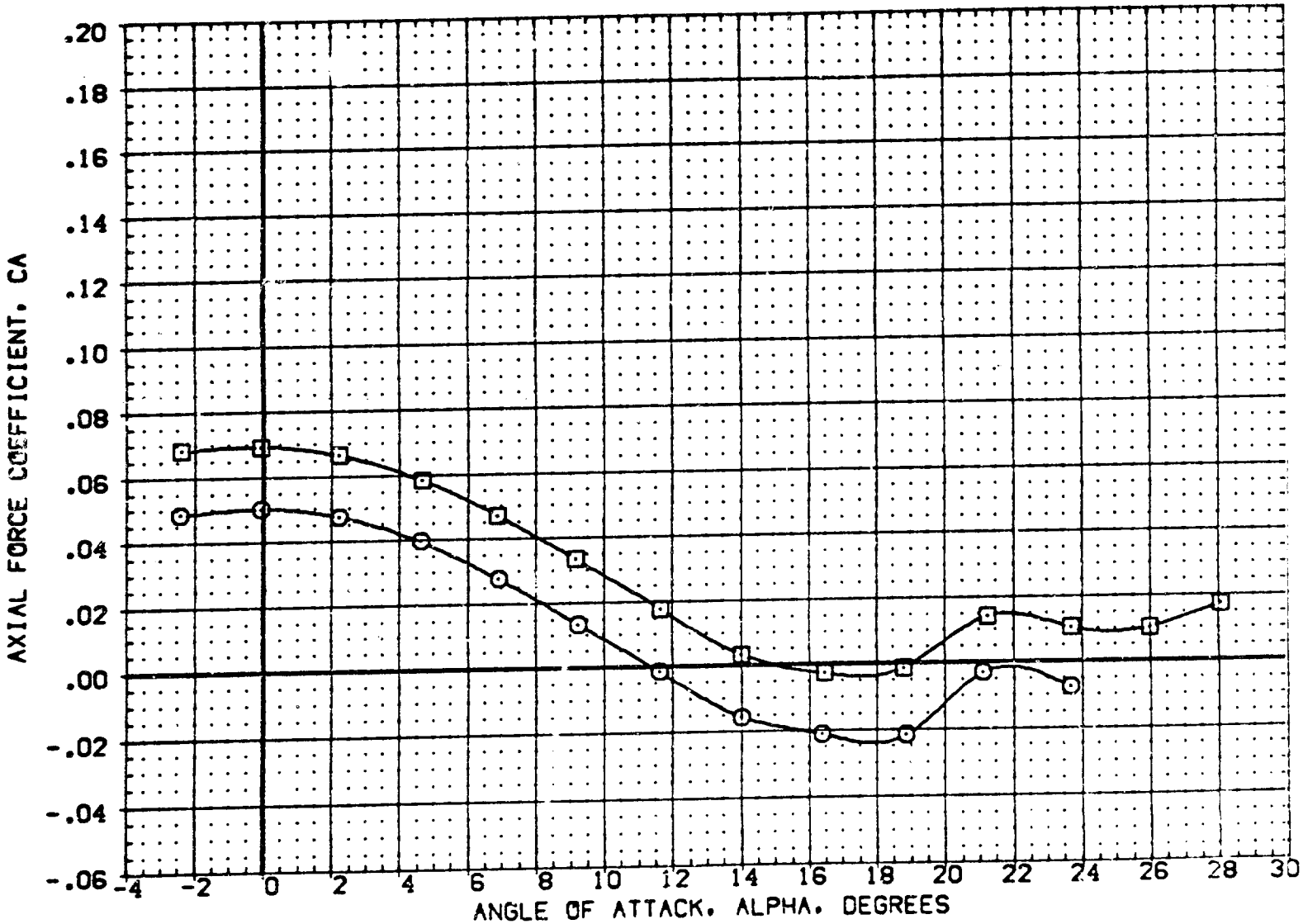


EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(C)RN/L = 6.08

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016) ⊡	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS	.000	.000	2.000	2.030
(EP7017) ⊟	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS	.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.0000	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

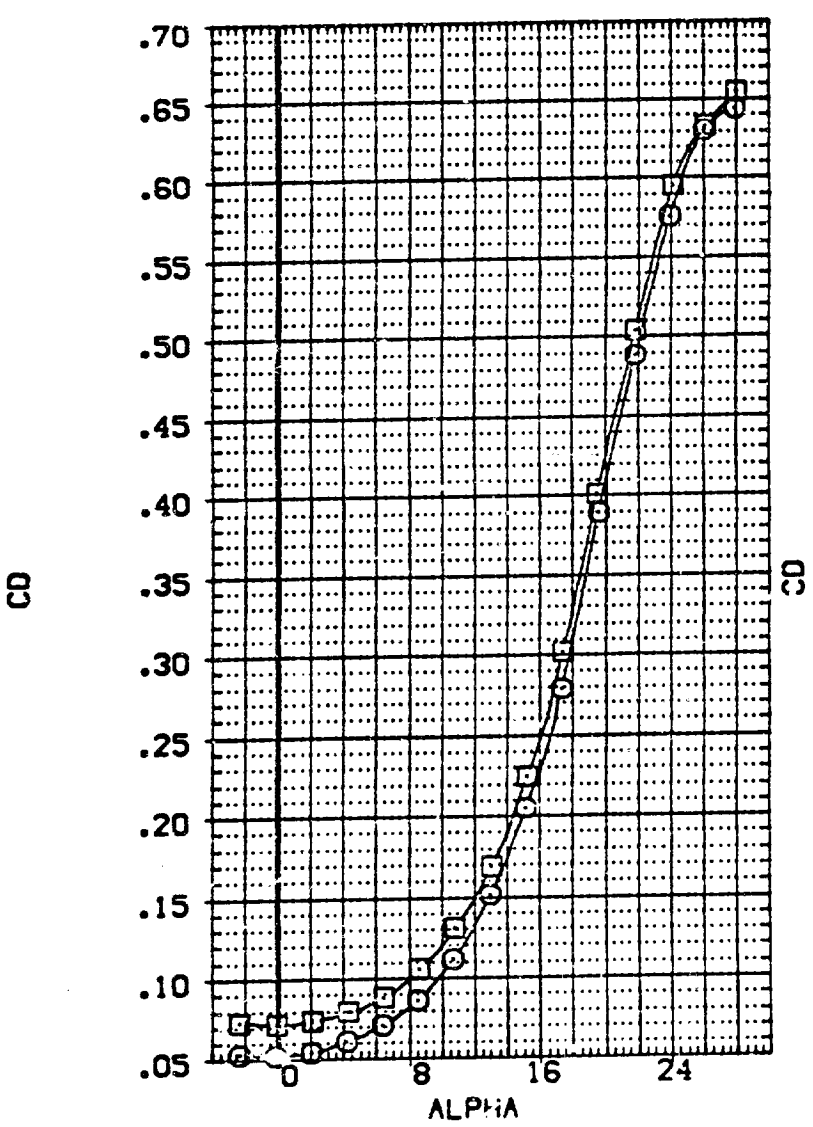
(D)RN/L = 8.20

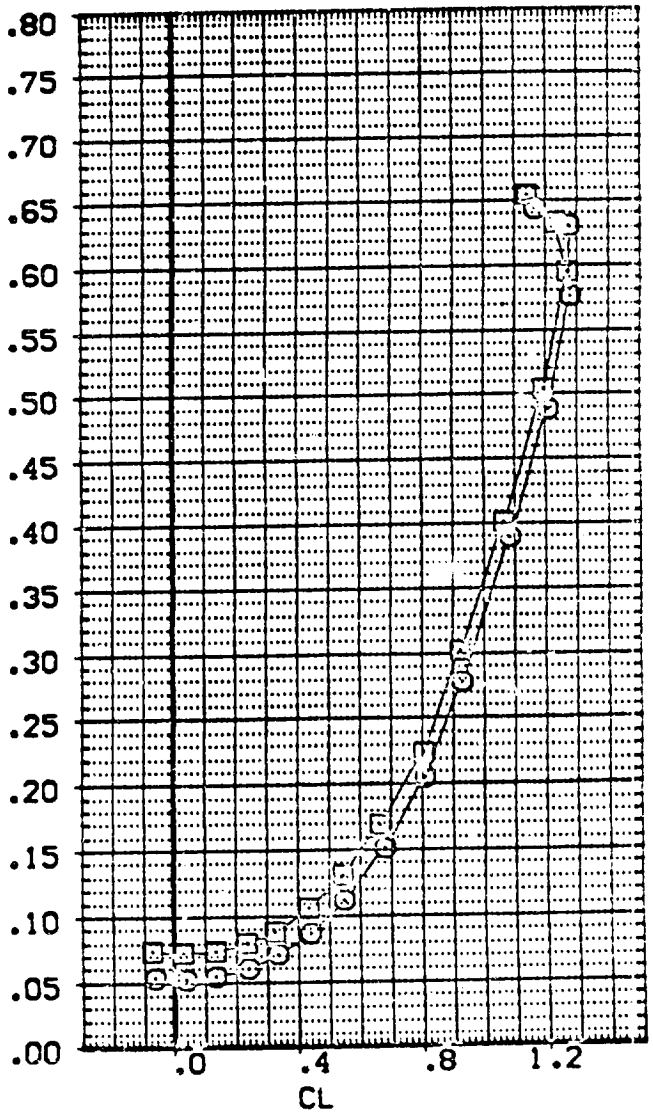
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(EP7016)	⊟	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +DMS
(EP7017)	⊟	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +DMS

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.030
.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE





EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

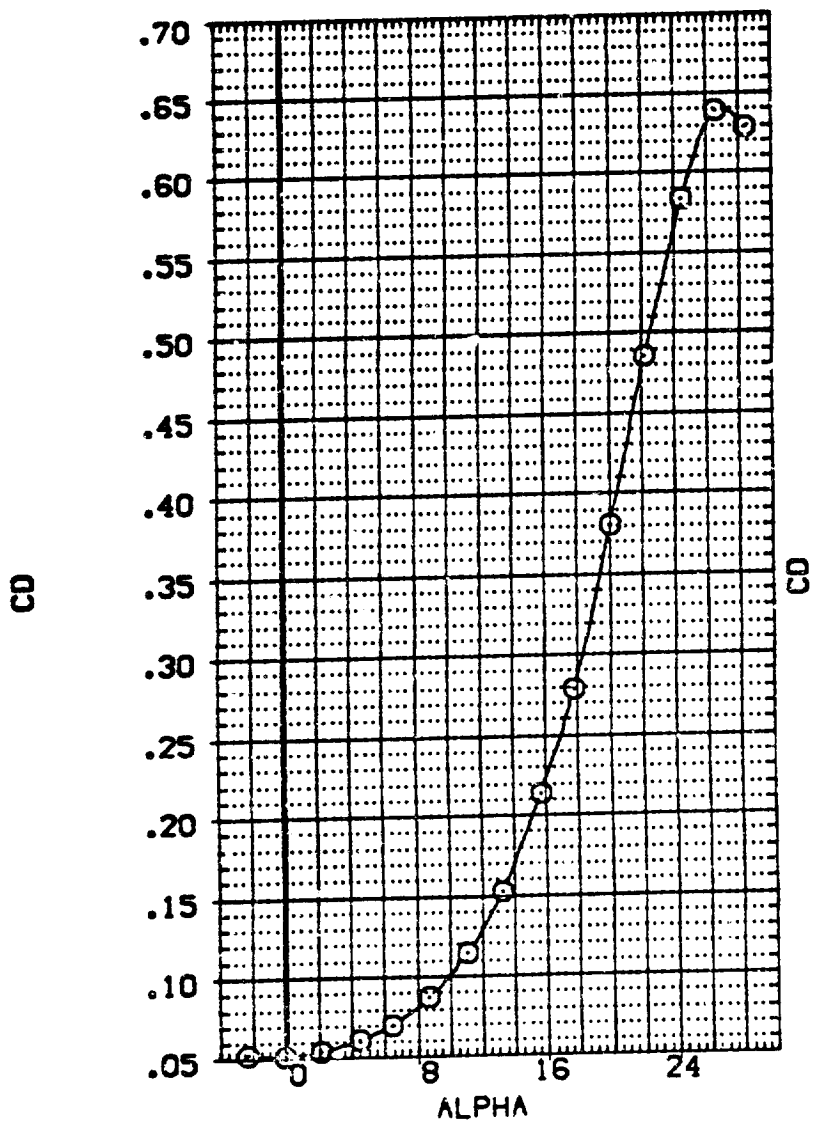
(A)RN/L = 2.54

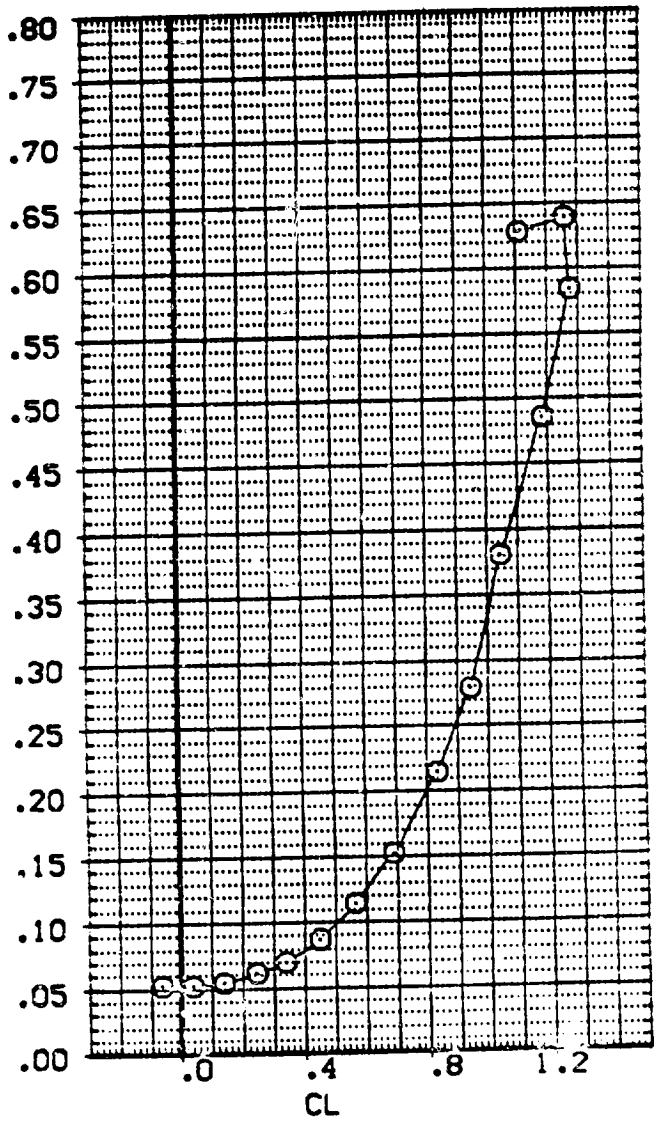
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[EP7016]	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +DHS
[EP7017]	DATA NOT AVAILABLE

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.000
.000	10.000	2.000	2.000

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.5025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE





EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

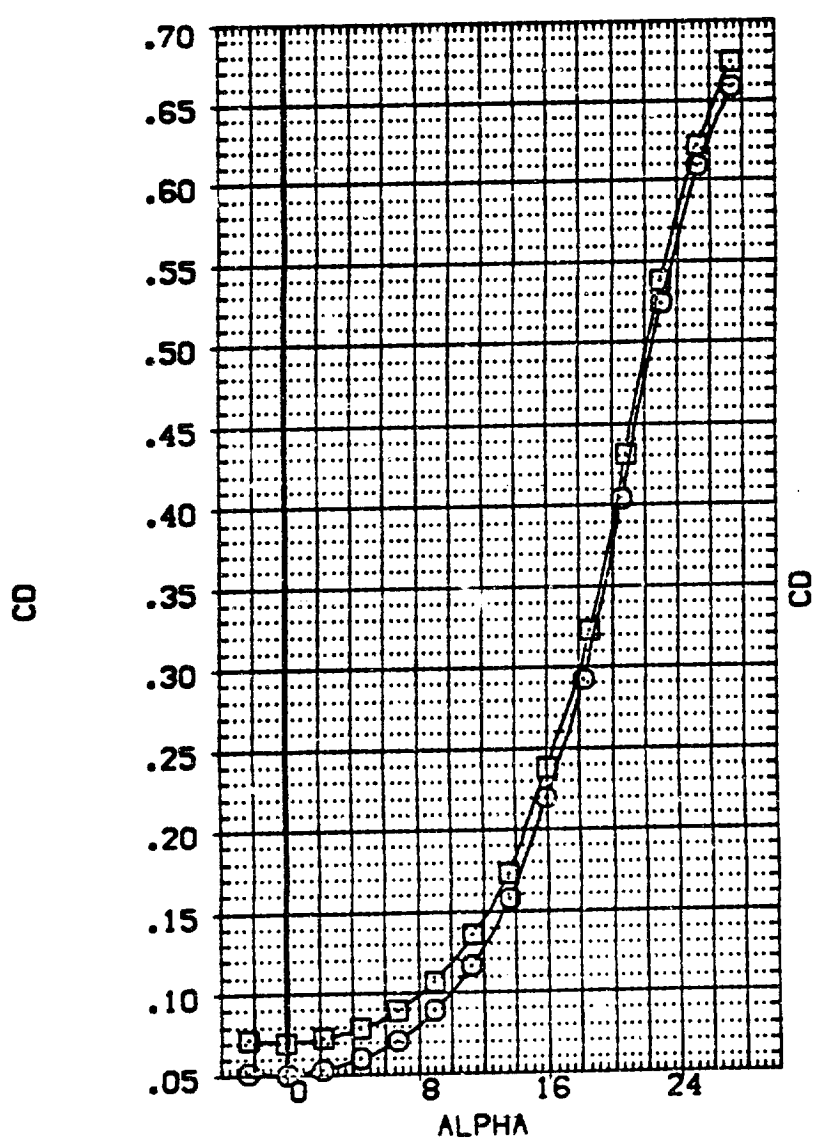
(B)RN/L = 4.12

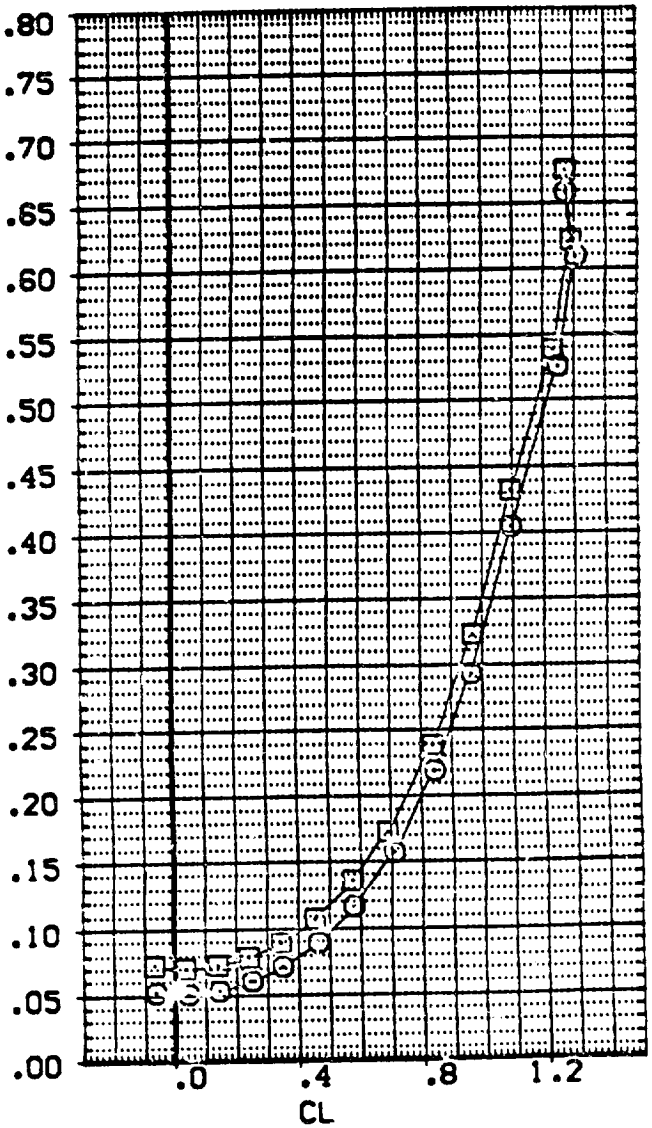
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(EP7016) ○	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS
(EP7017) □	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS

ELEVTR	RUDFLR	GT-LOC	K/L
.000	.000	2.000	2.030
.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5623	INCHES
XMRP	15.8633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0100	SCALE



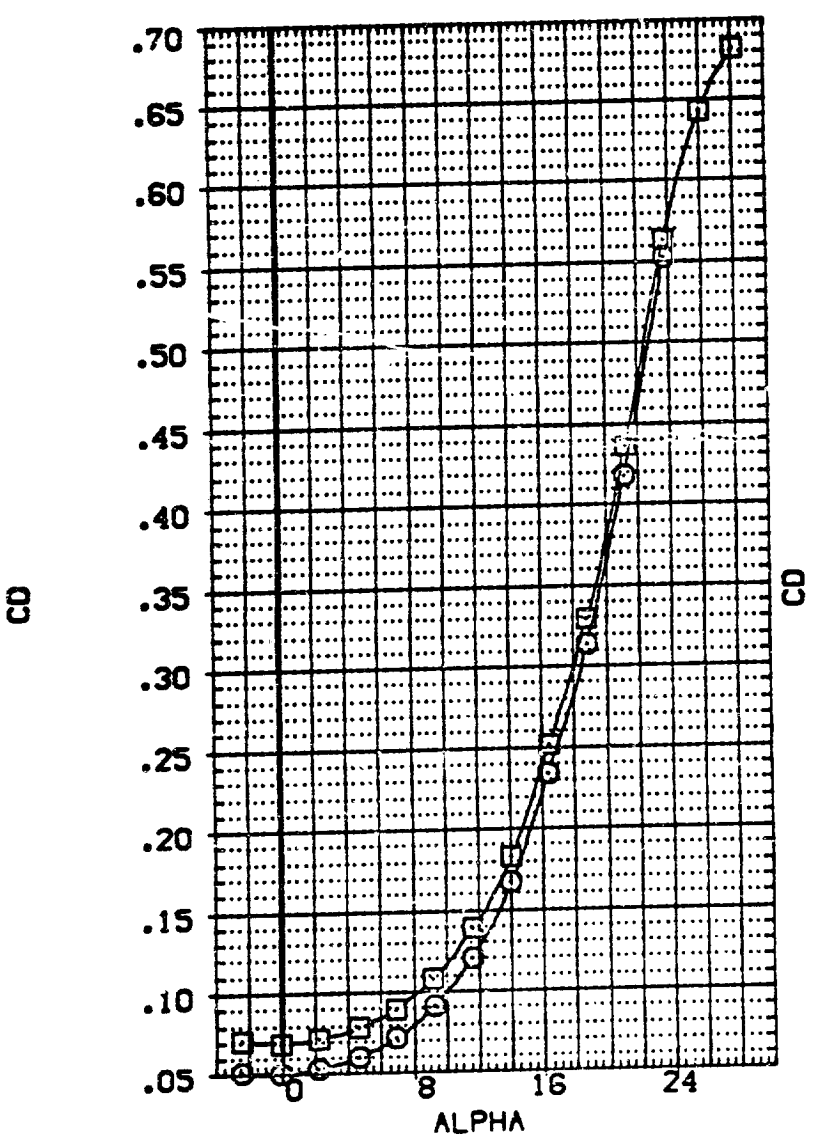


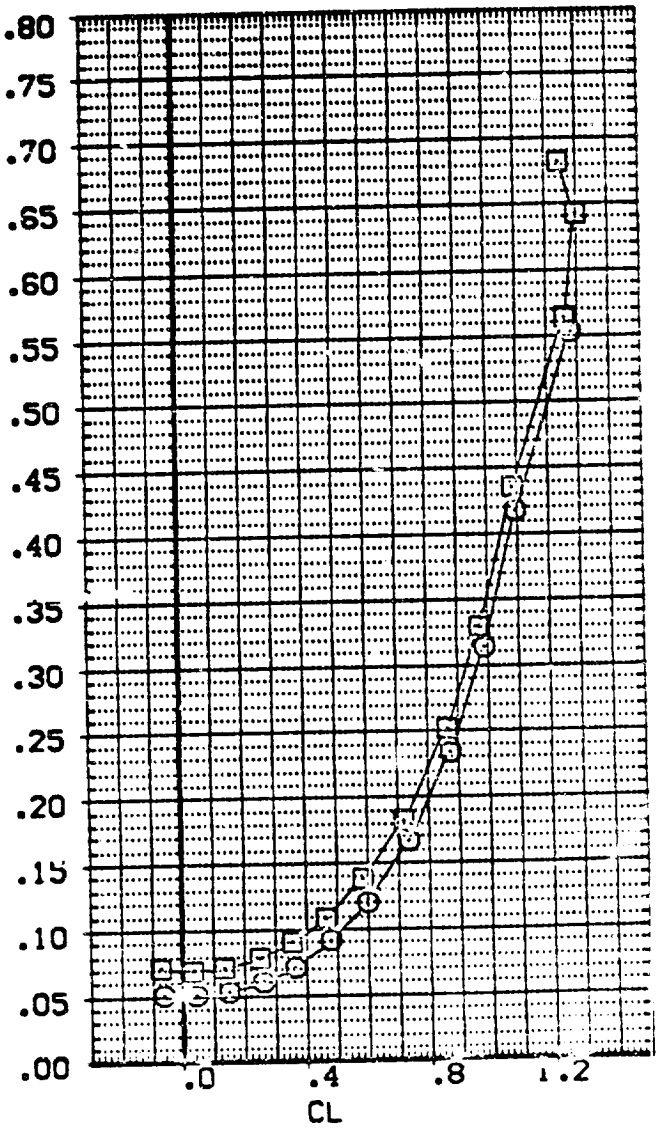
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(C)RN/L = 6.08

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
[EP7016]	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +0MS	.000	.000	2.000	2.000
[EP7017]	LA-9 LARC LTPT 135 NAR 0899-MOD. NOSE +0MS	.000	10.000	2.000	2.000

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





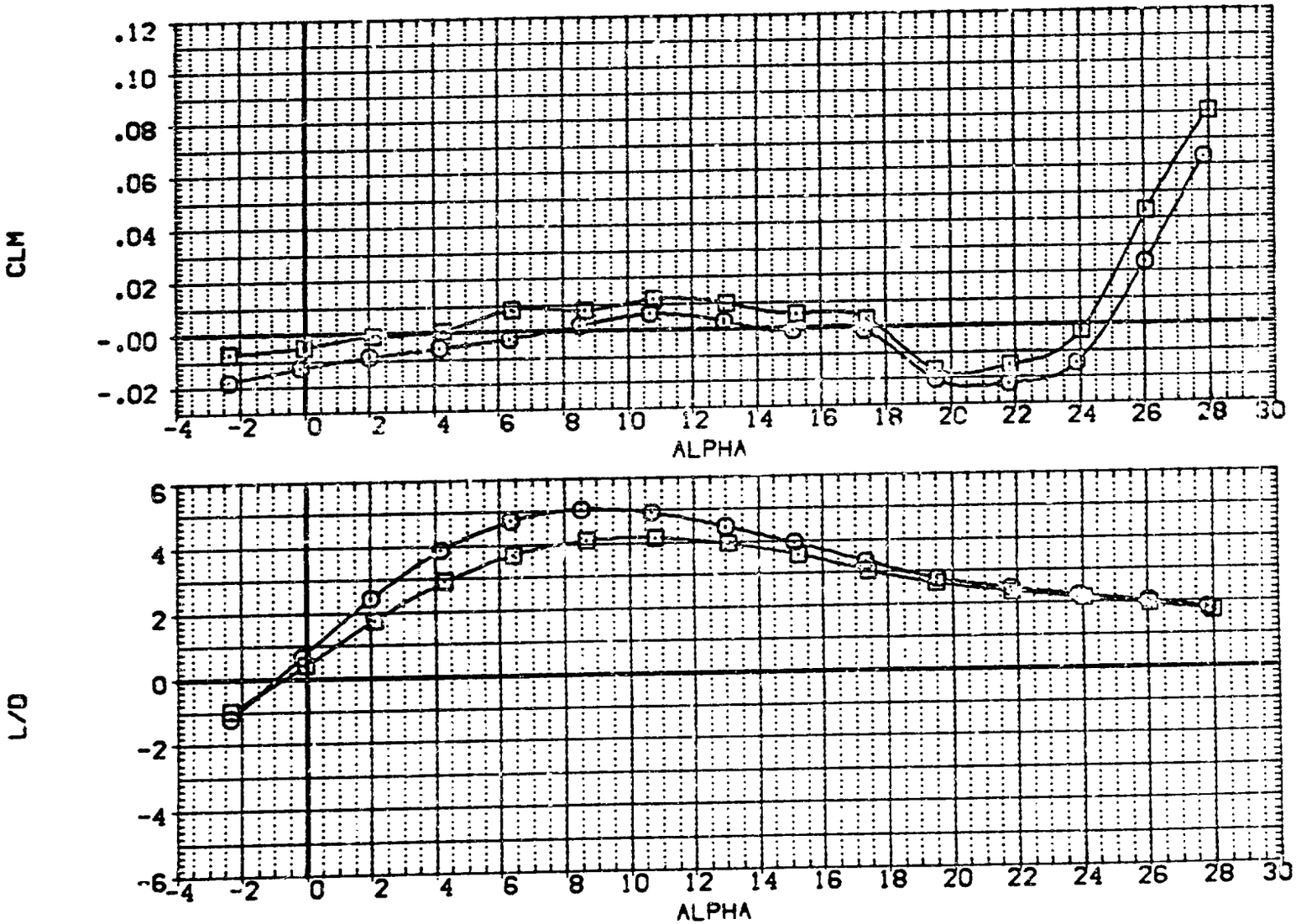
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

[D]RN/L = 8.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016) ⊡	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +0MS	.000	.000	2.000	2.030
(EP7017) ⊟	LA-9 LARC LTPT 135 NAR 0858-MOD. NOSE +0MS	.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9138	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0165	SCALE



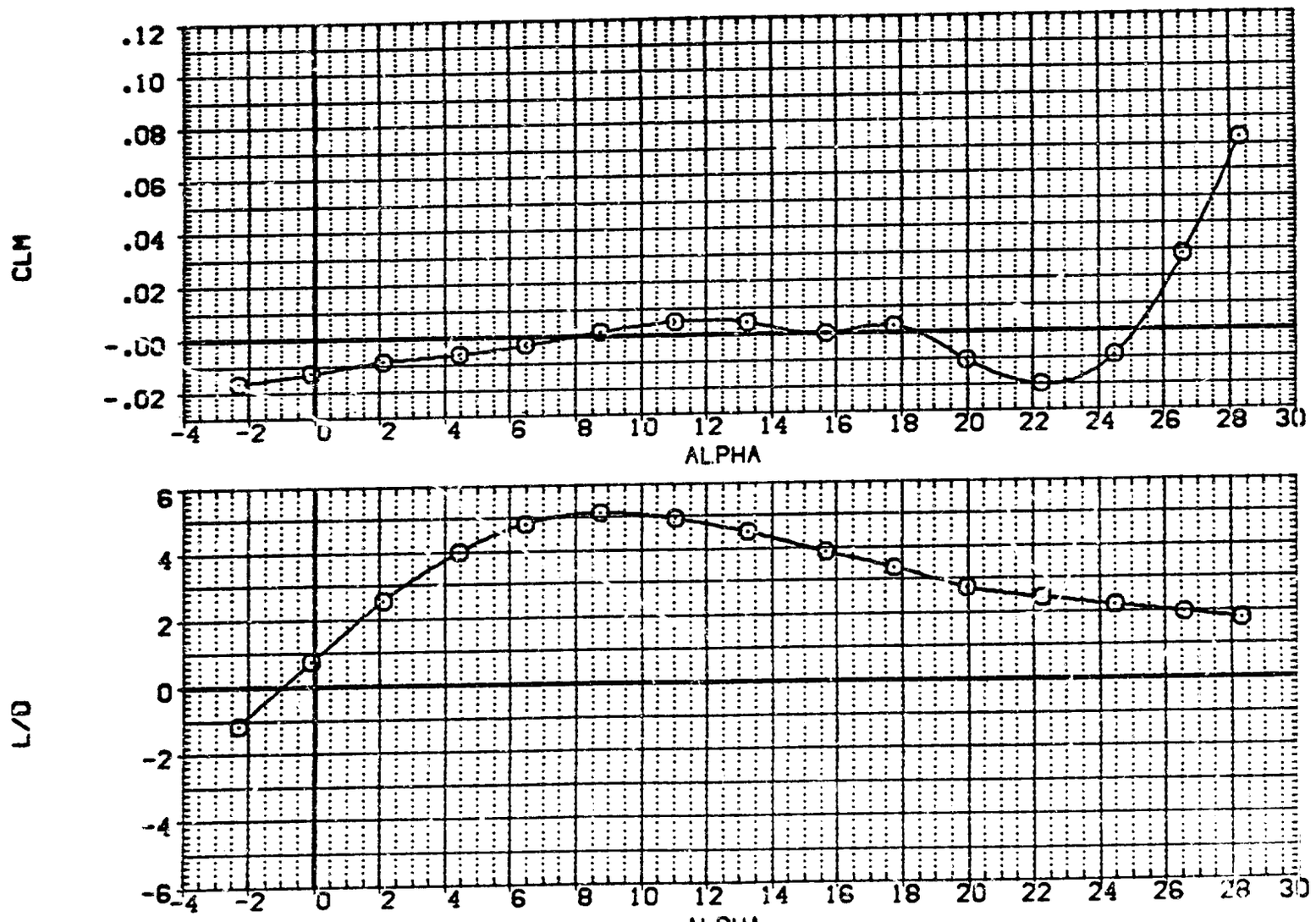
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(A)RN/L = 2.54

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	○	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS	.000	.000	2.000	2.030
(EP7017)	□	DATA NOT AVAILABLE	.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



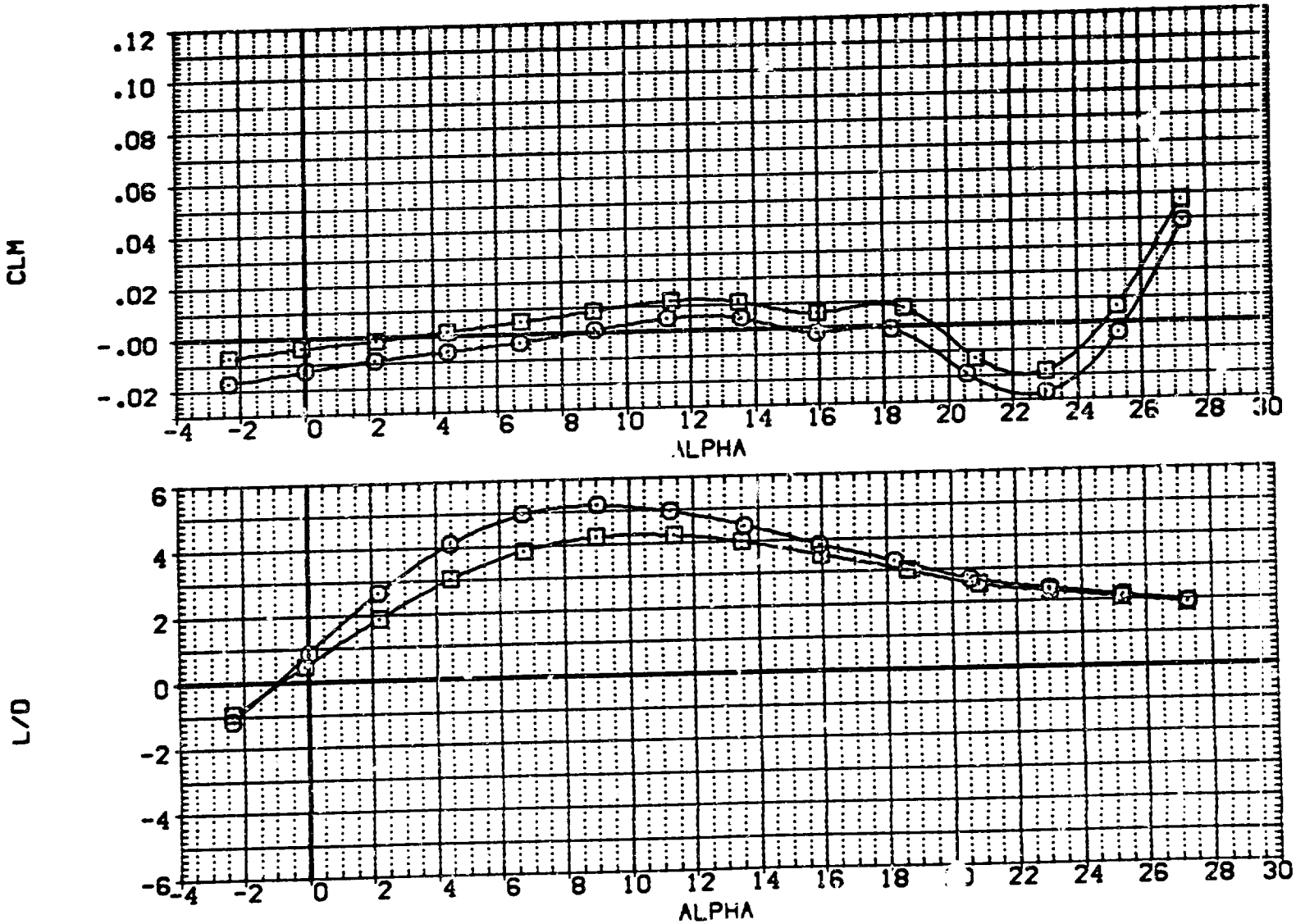
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(B)RN/L = 4.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(EP7016)	LA-9 LARC LTPT 135 NAR 0838-MOD. NOSE +0MS	.000	.000	2.000	2.030
(EP7017)	LA-9 LARC LTPT 135 NAR 0838-MOD. NOSE +0MS	.000	10.000	2.000	2.030

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

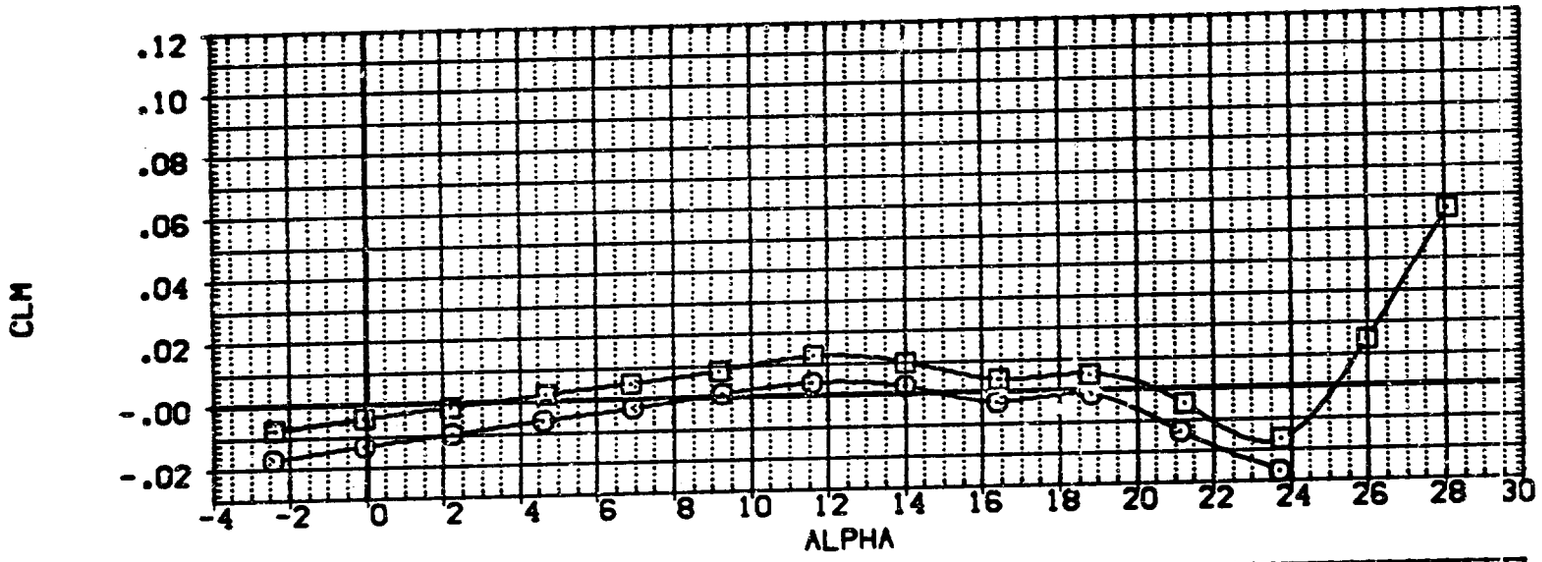


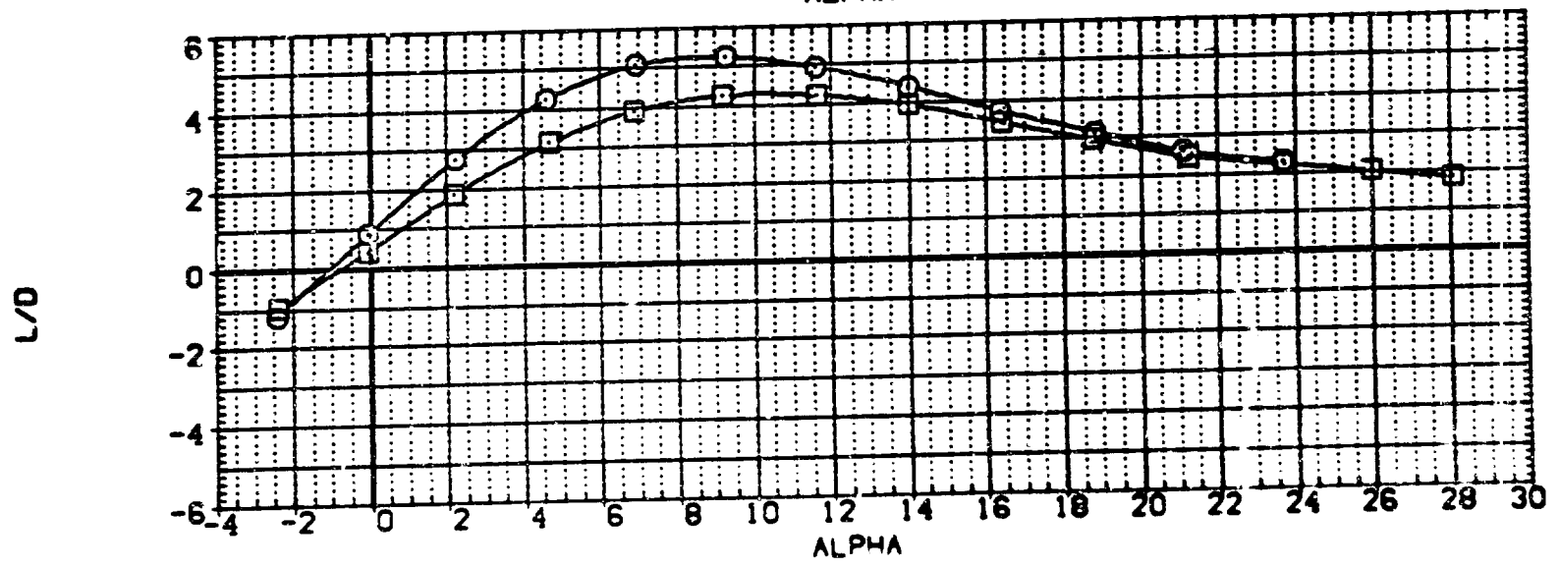
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(C)RN/L = 6.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	BT-LOC	K/L
(EP7016)	○	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	.000	2.000	2.030
(EP7017)	□	LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +CHS	.000	10.000	2.000	2.030

REFERENCE INFORMATION		
SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE





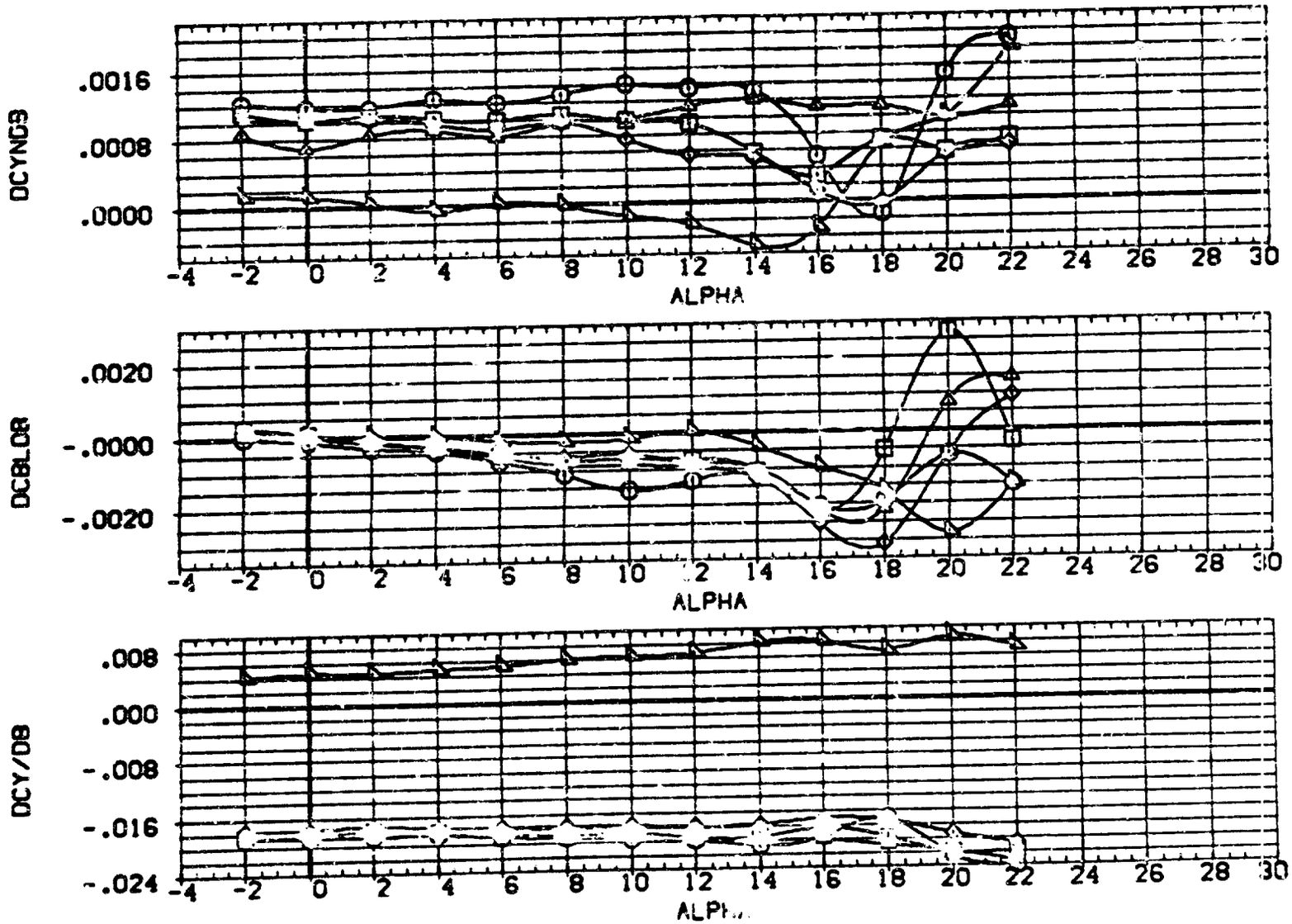
EFFECT OF RUDDER FLARE ON LONG. CHARACTERISTICS

(D)RN/L = 8.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DBETA	RUDFLR	GT-LOC	K/L
(ZP7015)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	.000
(ZP7011)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	1.200
(ZP7014)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	5.000	.000	1.000	2.440
(ZP7012)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	6.820
(ZP7013)	◺	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	3.000	6.820

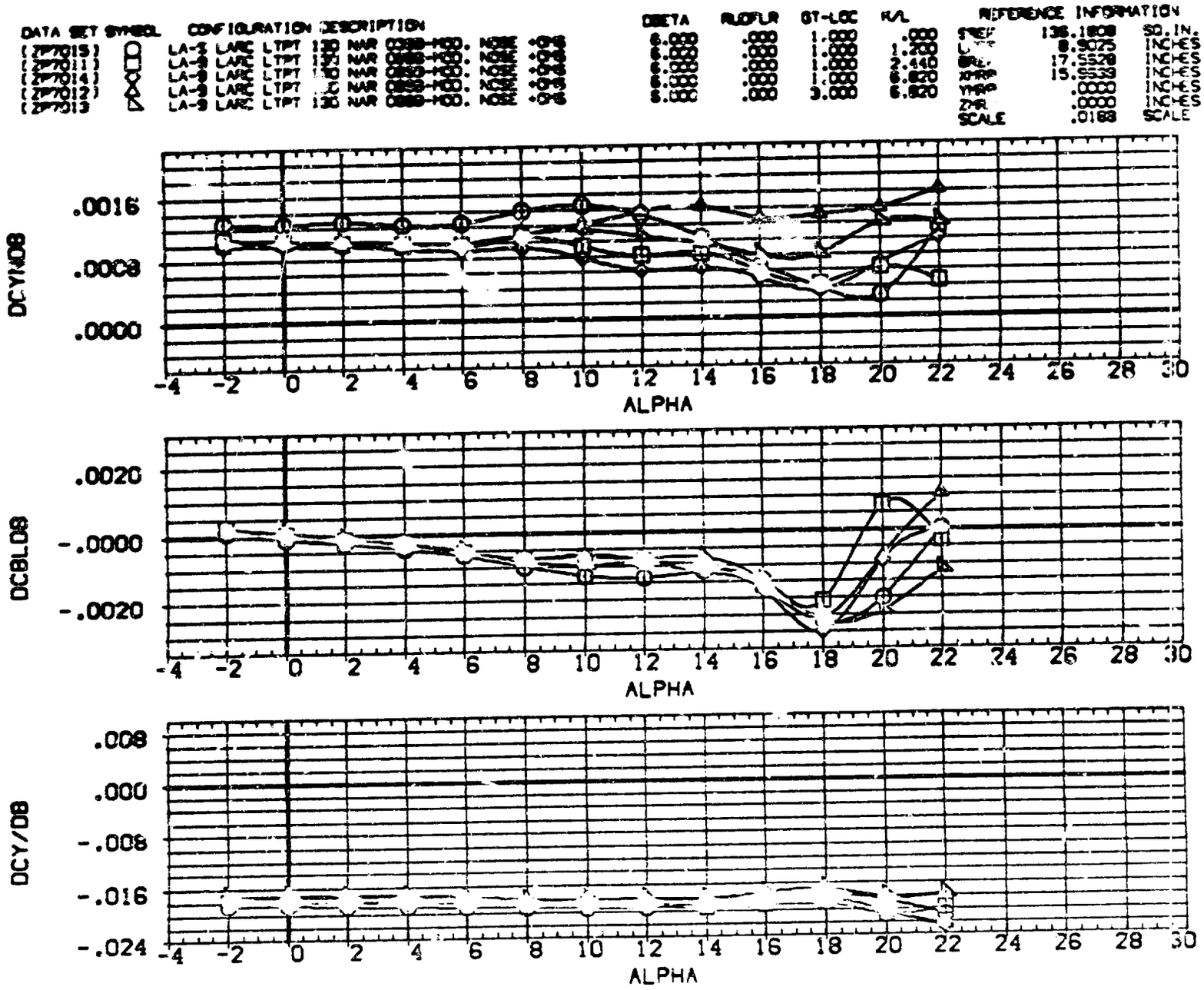
REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9075	INCHES
BREF	17.5678	INCHES
XMRP	15.9338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0168	SCALE



EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.00



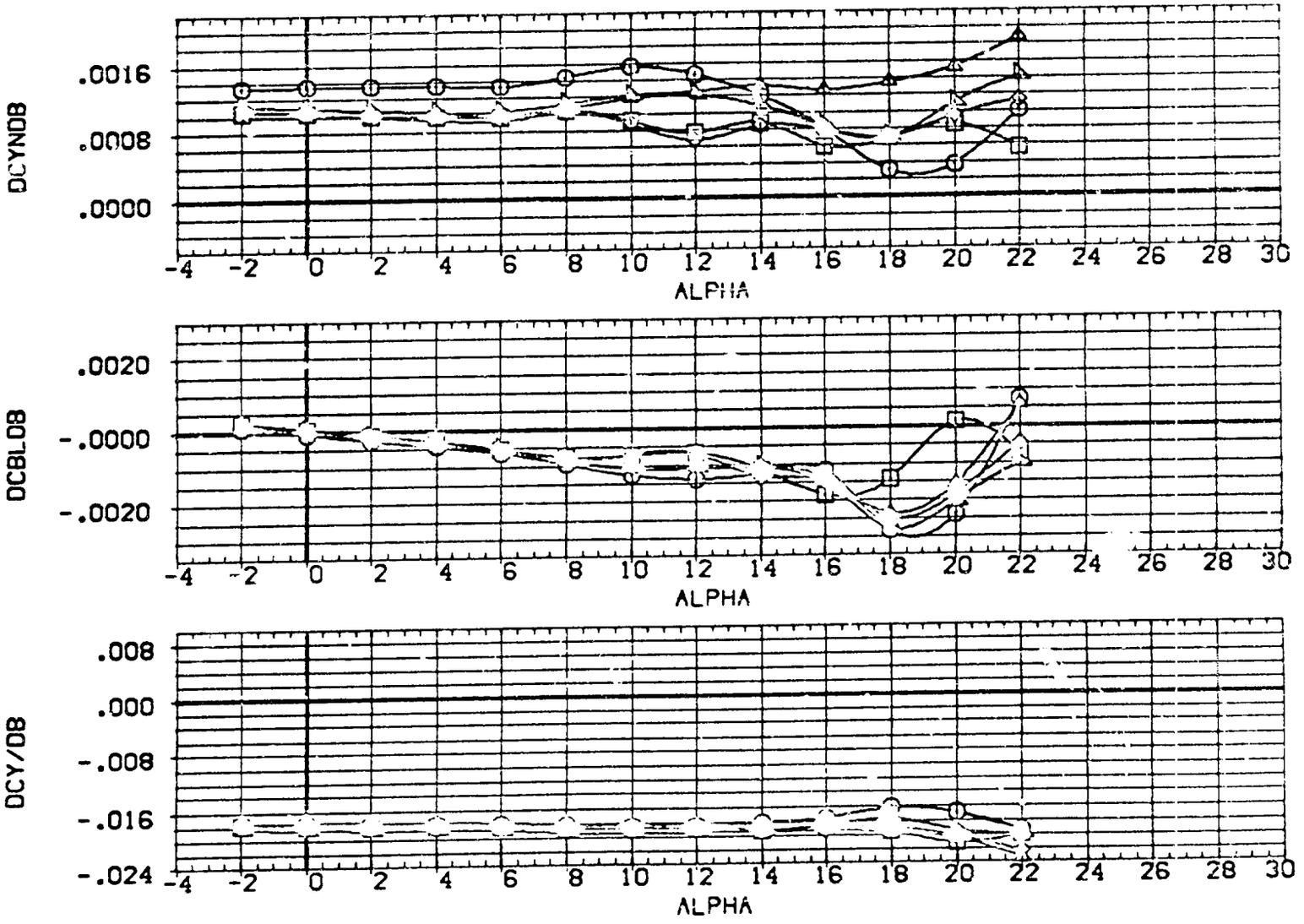
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(B)RN/L = 4.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DBETA	RUDFLR	GT-LOC	K/L
(ZP7015)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	6.000	.000	1.000	.000
(ZP7011)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	6.000	.000	1.000	1.200
(ZP7014)	⊠	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	6.000	.000	1.000	2.440
(ZP7012)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	6.000	.000	1.000	6.820
(ZP7013)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +045	6.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.9628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

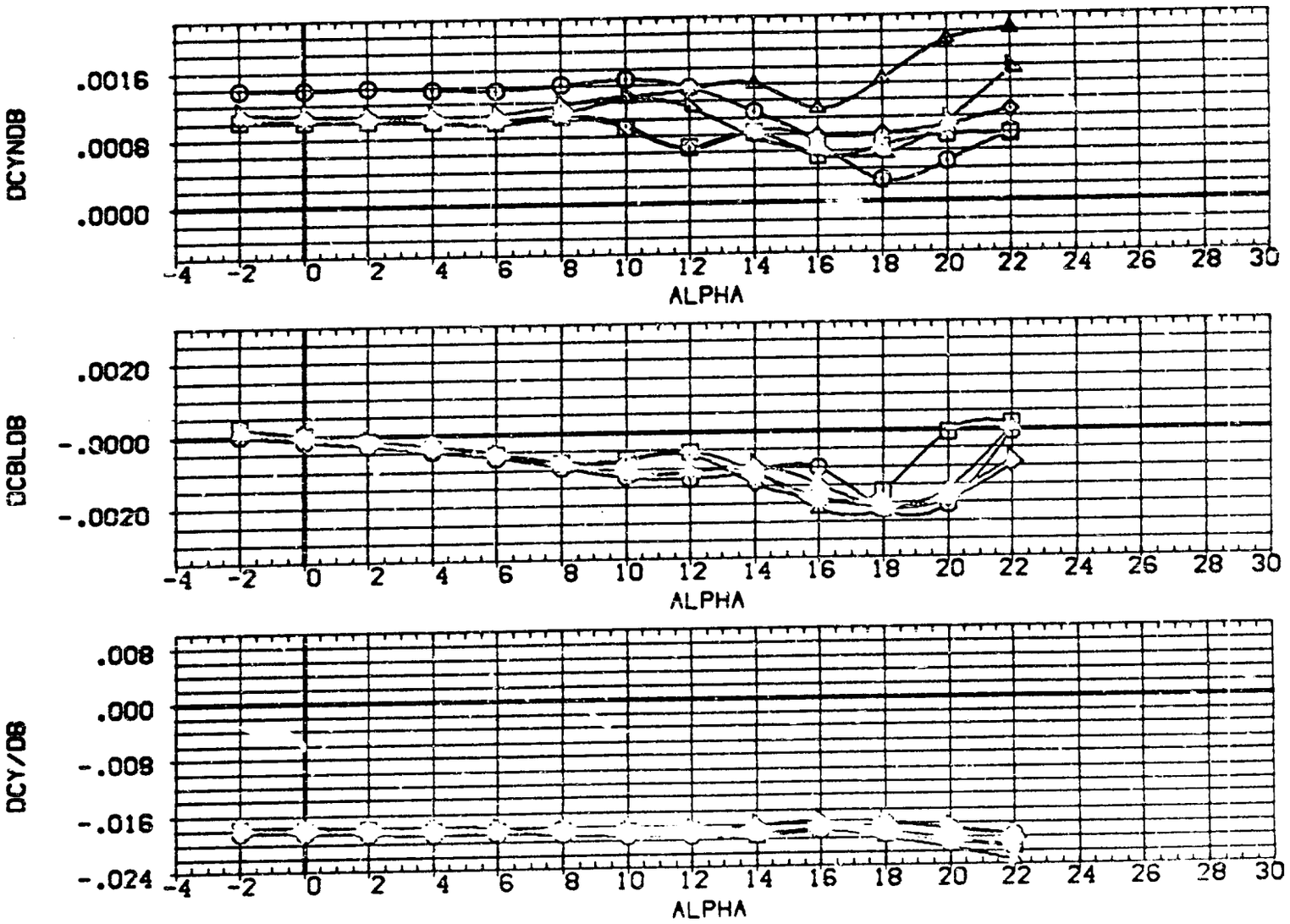


EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(C)RN/L = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DFETA	RUDFLR	GT-LOC	K/L
(ZP7015) □	LA-9 LARC LTPT 130 NAR 0898-100. NOSE +045	6.000	.000	1.000	.000
(ZP7011) ◇	LA-9 LARC LTPT 130 NAR 0898-100. NOSE +045	6.000	.000	1.000	1.200
(ZP7014) ⊲	LA-9 LARC LTPT 130 NAR 0898-100. NOSE +045	6.000	.000	1.000	2.440
(ZP7012) ⊲	LA-9 LARC LTPT 130 NAR 0898-100. NOSE +045	6.000	.000	1.000	6.820
(ZP7013) △	LA-9 LARC LTPT 130 NAR 0898-100. NOSE +045	6.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9636	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE

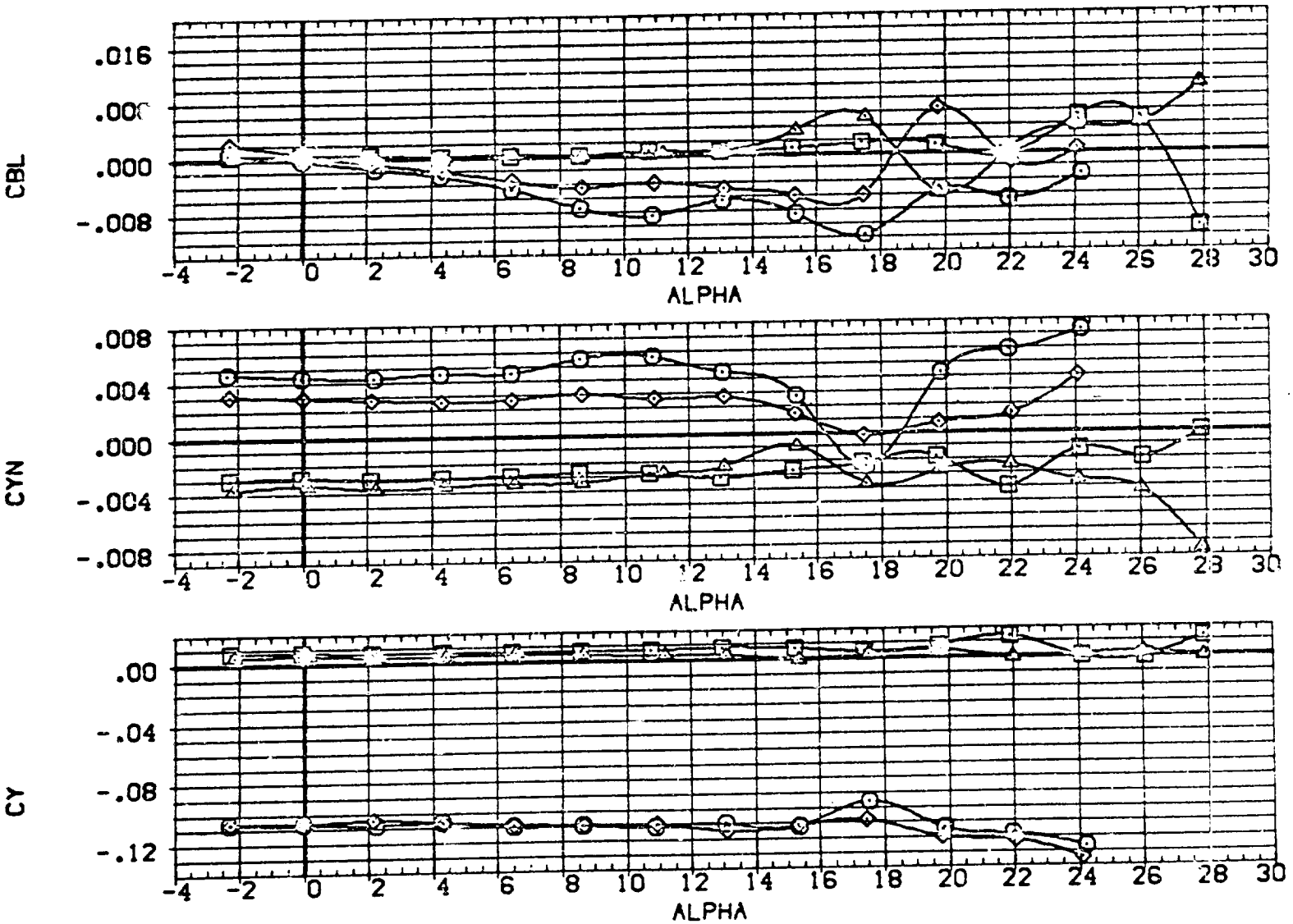


EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(D)RN/L = 8.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[RP7015]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	.000
[ZP7001]	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	.000	.000	1.000	.000
[RP7011]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	1.200
[RP7007]	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



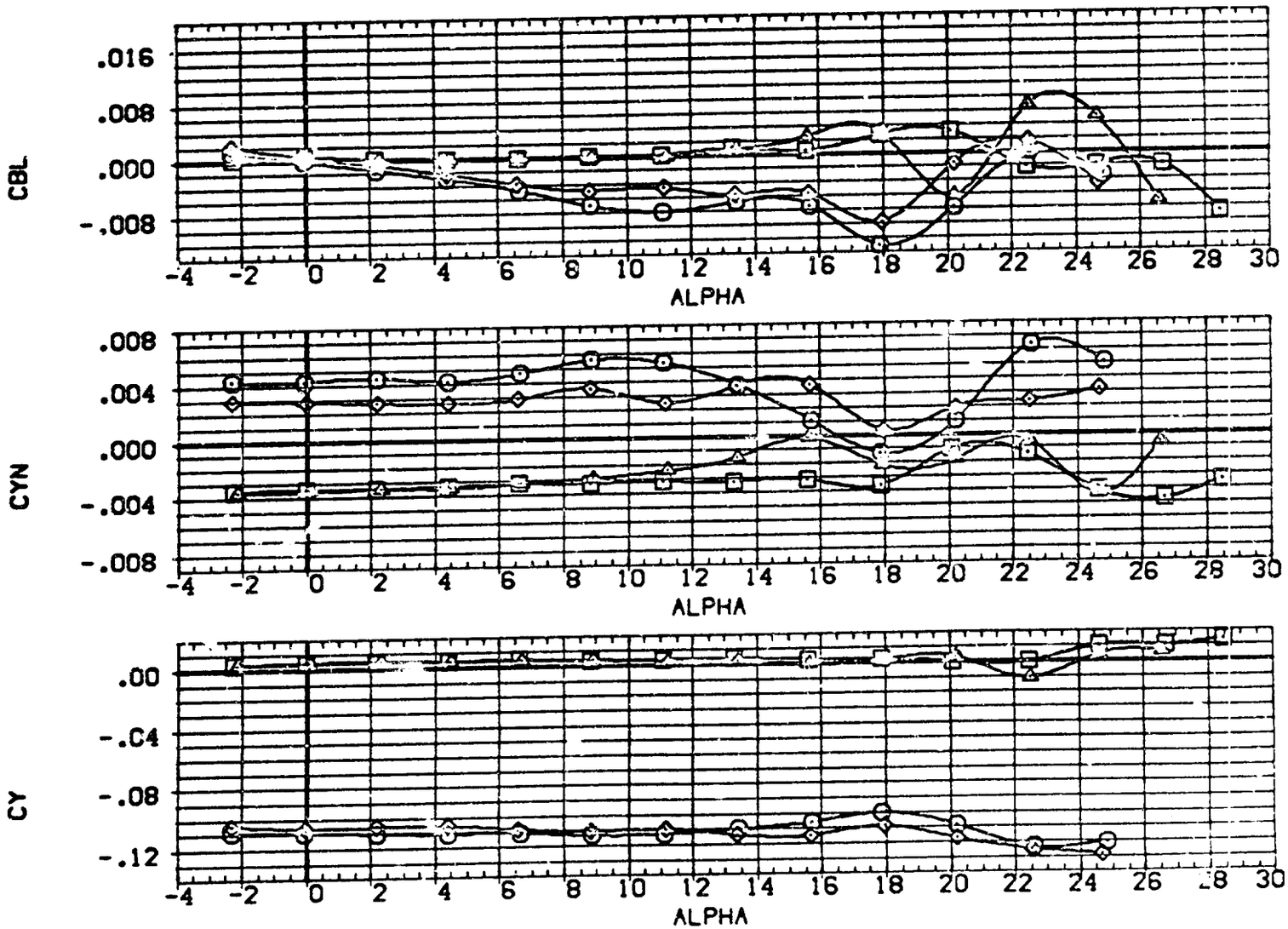
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	BT-LOC	K/L
(RP7015) ○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	.000
(ZP7001) □	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7011) ◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	1.200
(RP7007) △	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

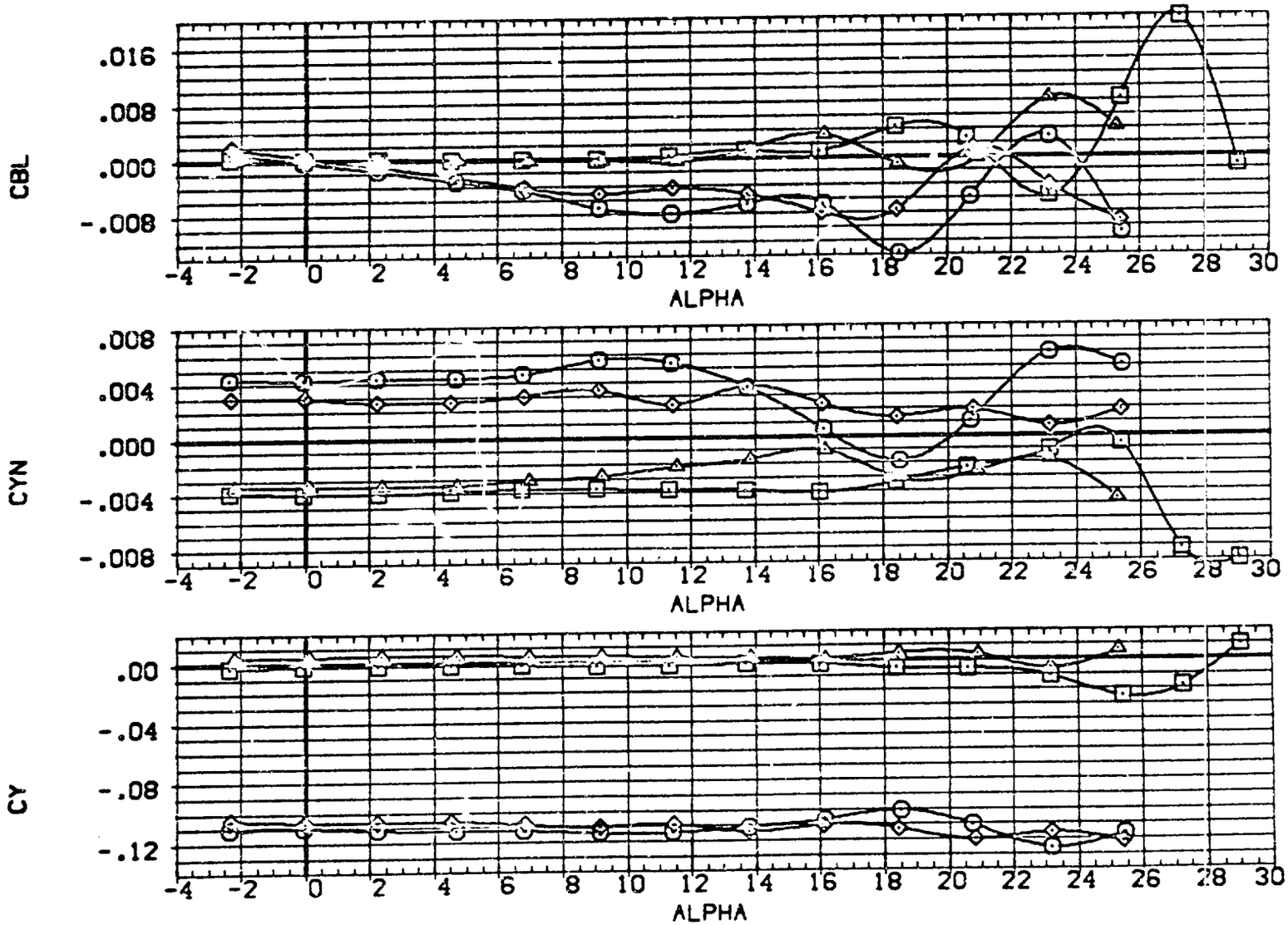


EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(B)RN/L = 3.99

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LDC	K/L
(RP7015)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	.000
(ZP7001)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7011)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	1.200
(RP7007)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE



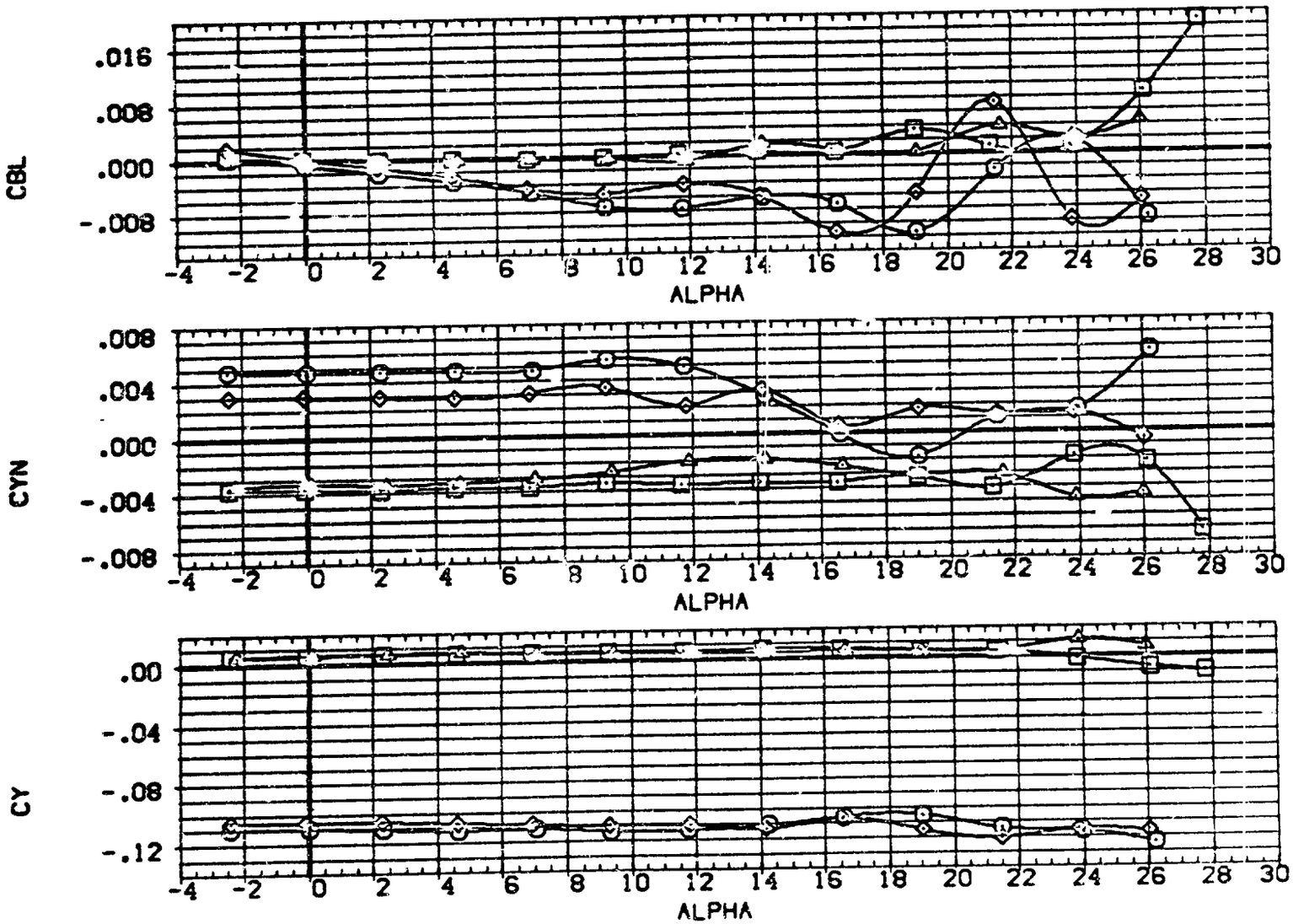
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(C)RN/L = 5.86

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(RP7015)	○	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	6.000	.000	1.000	.000
(ZP7001)	□	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	.000	.000	1.000	.000
(RP7011)	◇	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	6.000	.000	1.000	1.200
(RP7007)	△	LA-9 LARC LTPT 130 NAR 0899-MOD. NOSE +0MS	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

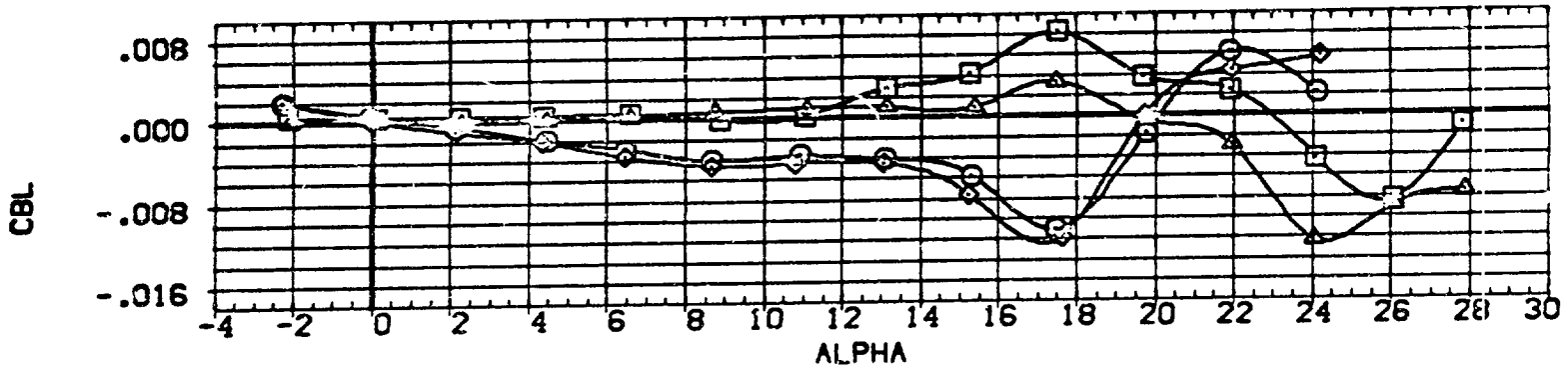


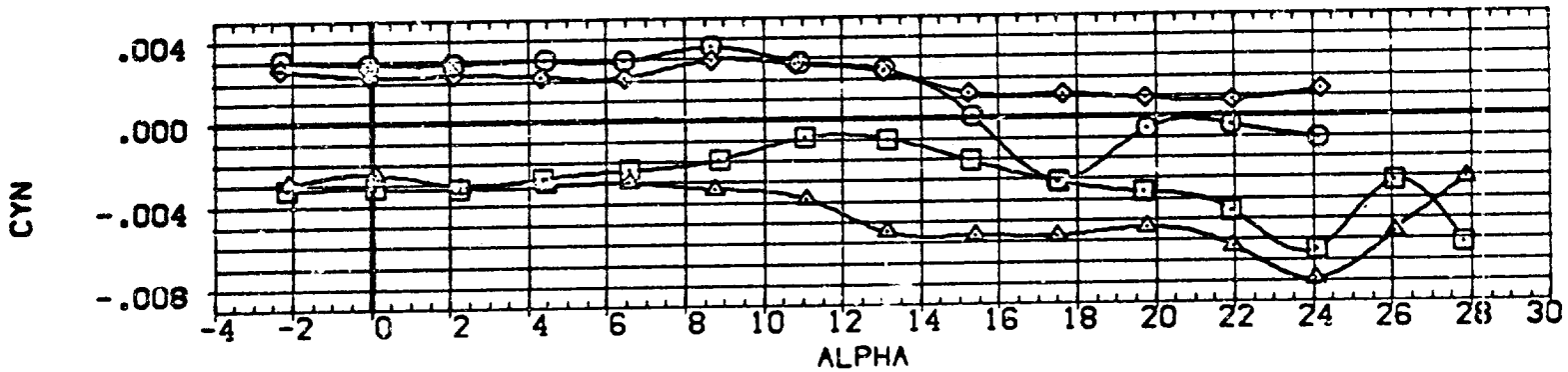
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

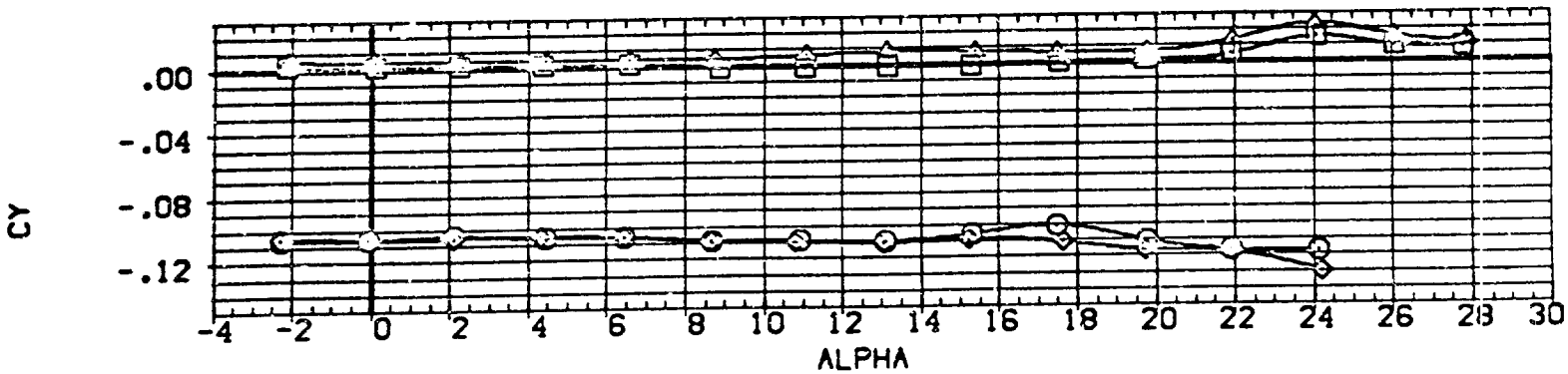
(D)RN/L = 7.88

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ROUGHNESS	GT-LOC	K/L
(RP7014)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	2.440
(RP7005)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(RP7012)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	1.000	6.820
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	9.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE





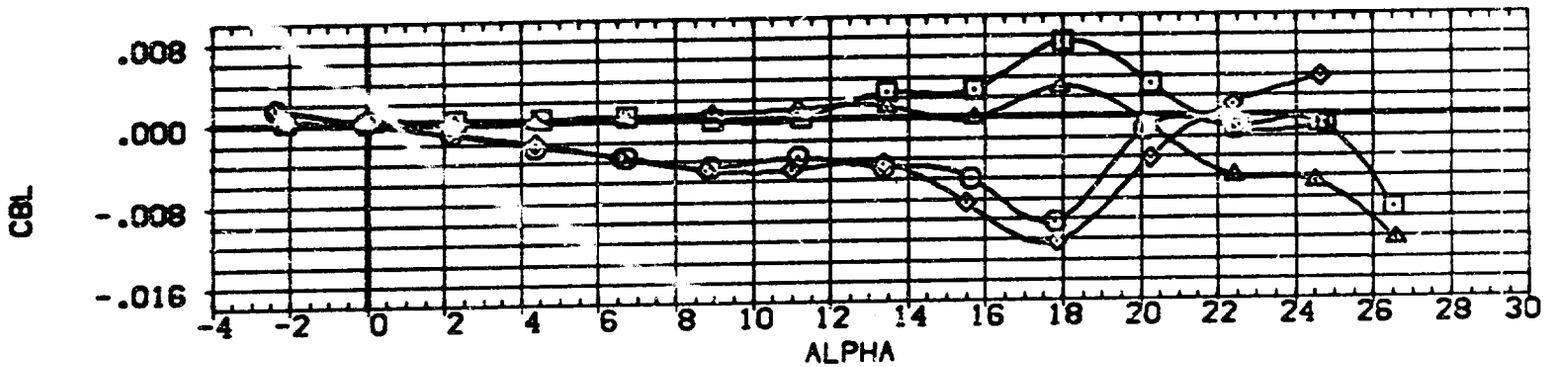


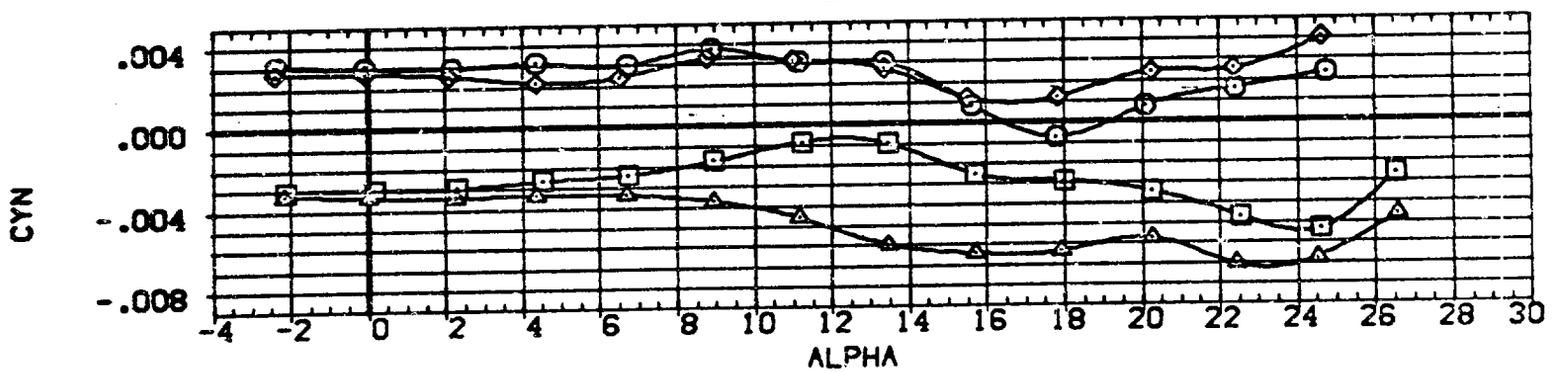
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

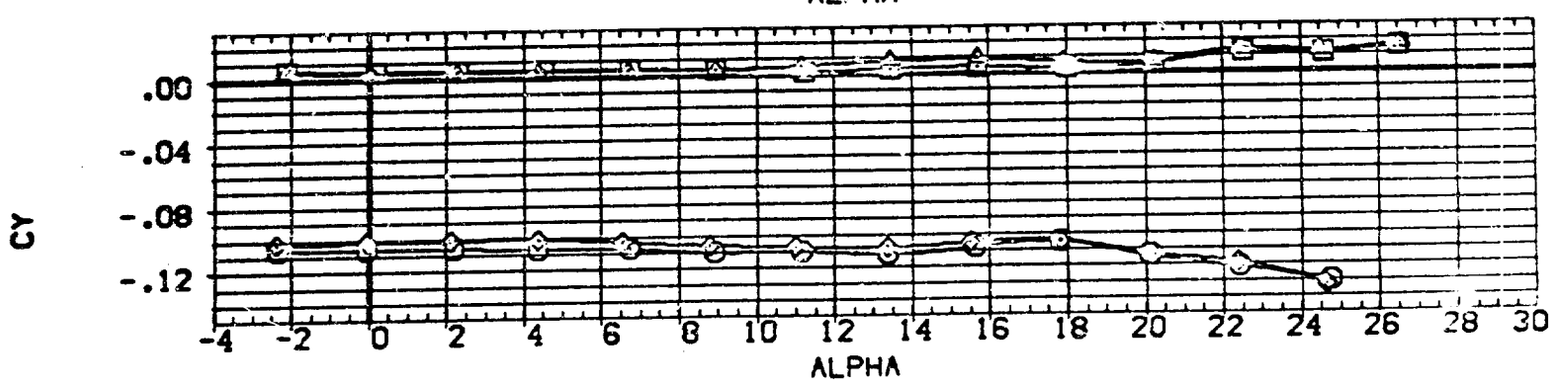
(A)RN/L = 2.50

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(RP7014)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0/5	6.000	.000	1.000	2.440
(RP7005)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0/5	.000	.000	1.000	2.440
(RP7012)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0/5	6.000	.000	1.000	6.820
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0/5	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.5533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0189	SCALE





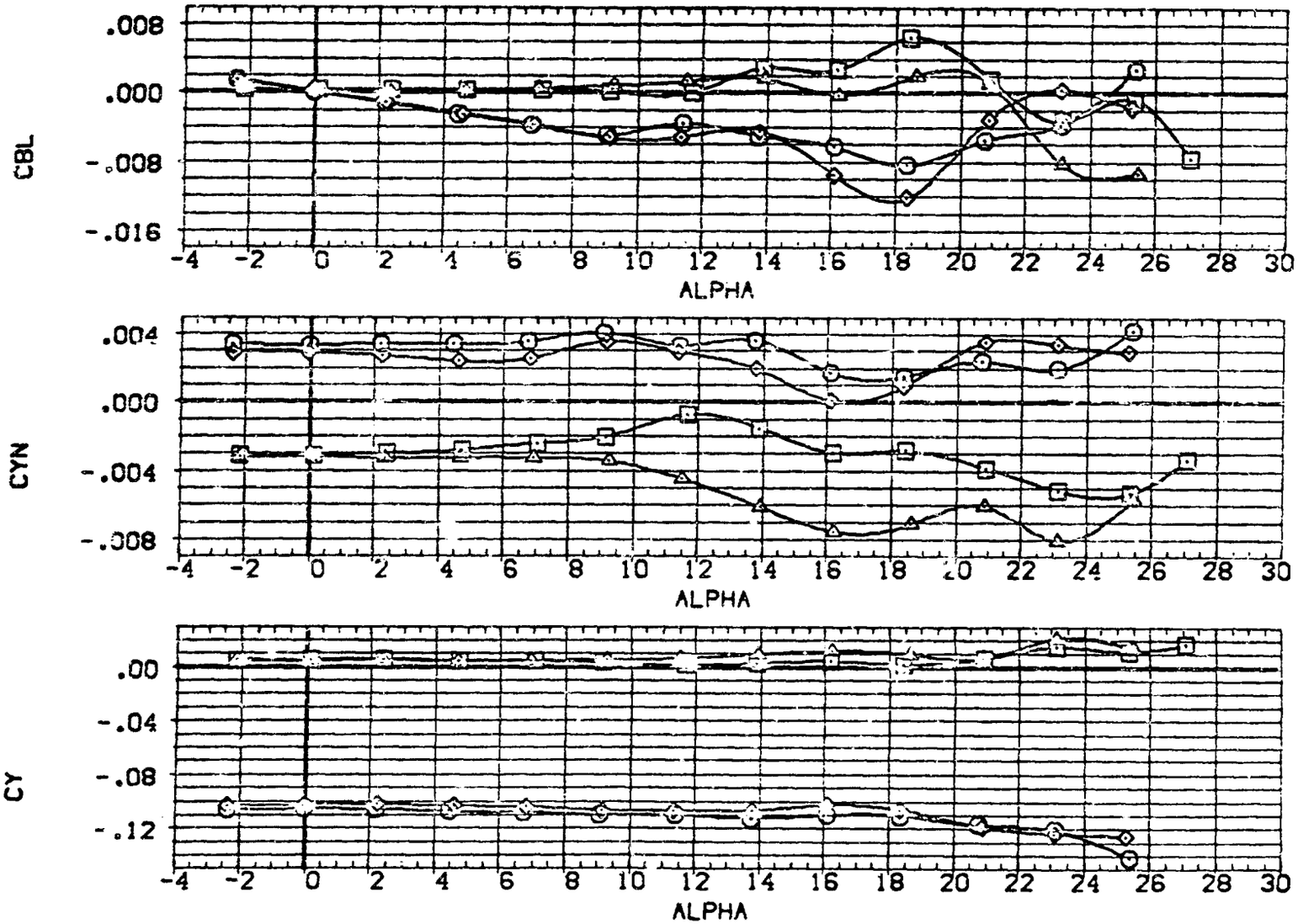


EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(B)RN/L = 4.12

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUD/LR	DT-LOC	K/L
(RP7014)	○	LA-9 L ARC LTPT 130 NAR 0898-MOD. NOSE +0%	6.000	.000	1.000	2.440
(RP7005)	□	LA-9 L ARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	2.440
(RP7012)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	6.000	.000	1.000	6.820
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0%	.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



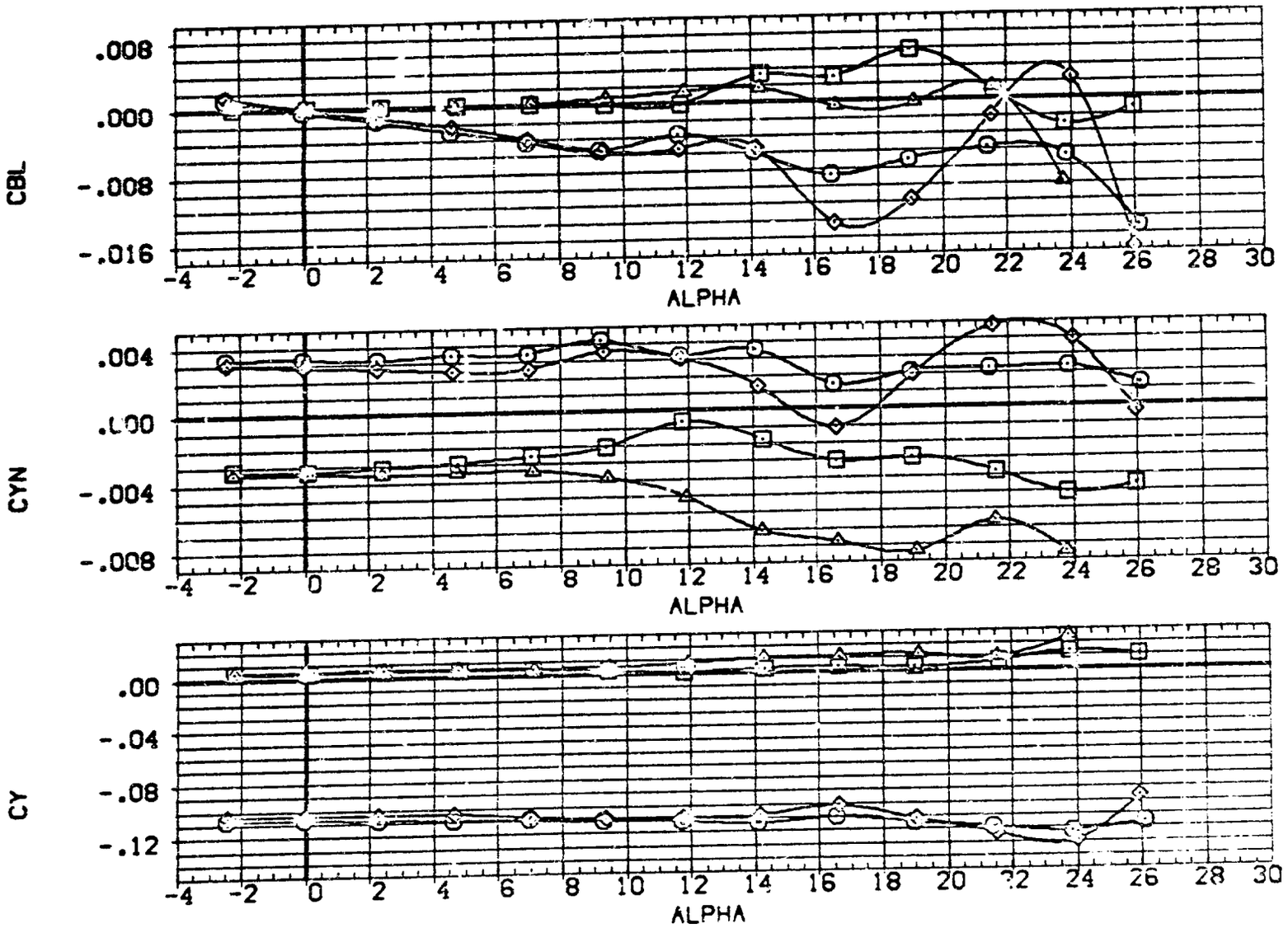
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(C)RN/L = 6.12

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RP7014)	□	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%
(RP7005)	○	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%
(RP7012)	◇	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%
(RP7002)	△	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0%

BETA	RUDFLR	GT-LOC	K/L
6.000	.000	1.000	2.440
.0000	.000	1.000	2.440
6.0000	.000	1.000	6.820
.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE

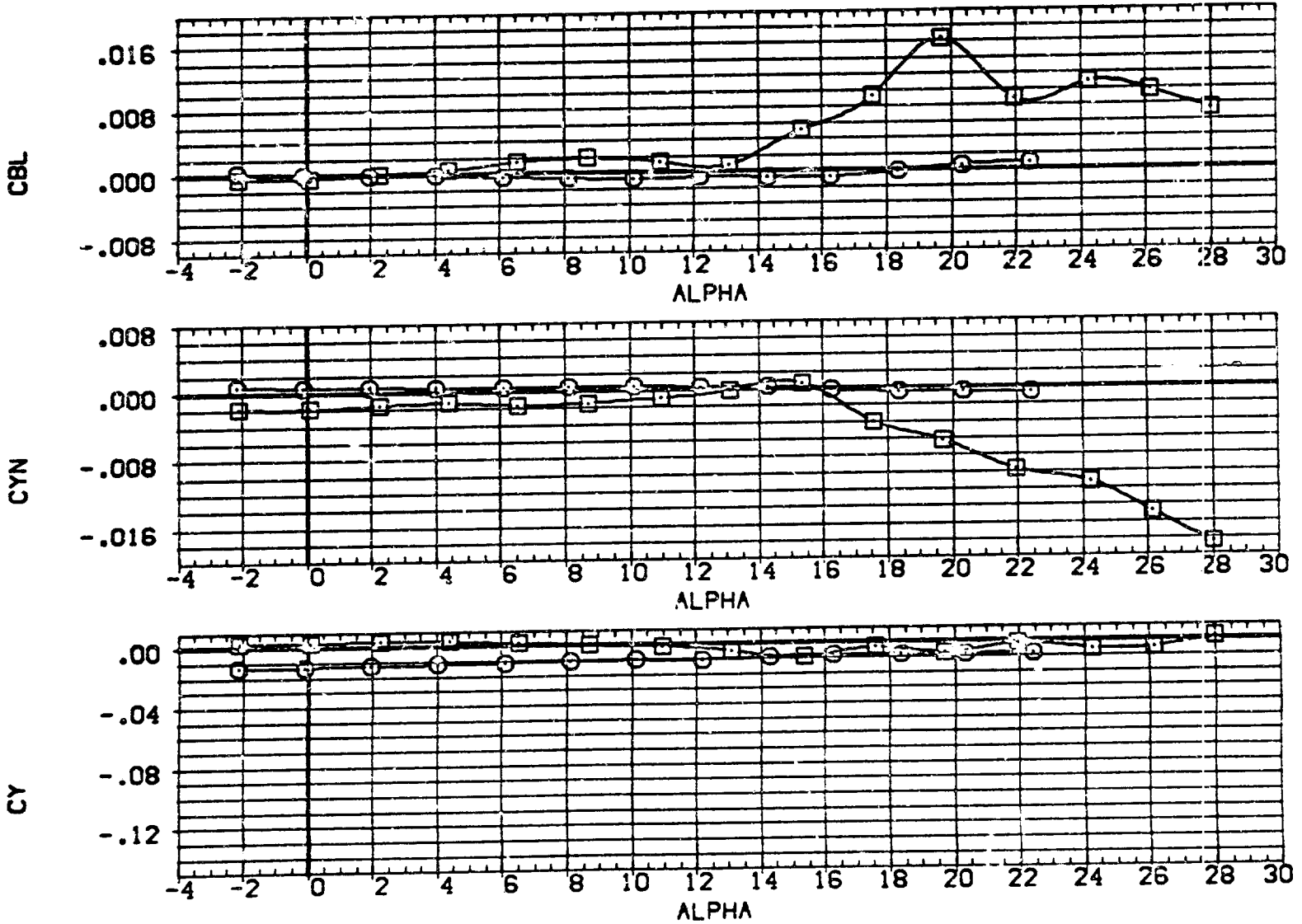


EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(D)RN/L = 8.09

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(RP7013)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	3.000	6.820
(RP7004)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1803	SQ.IN.
LREF	8.9023	INCHES
BREF	17.5623	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



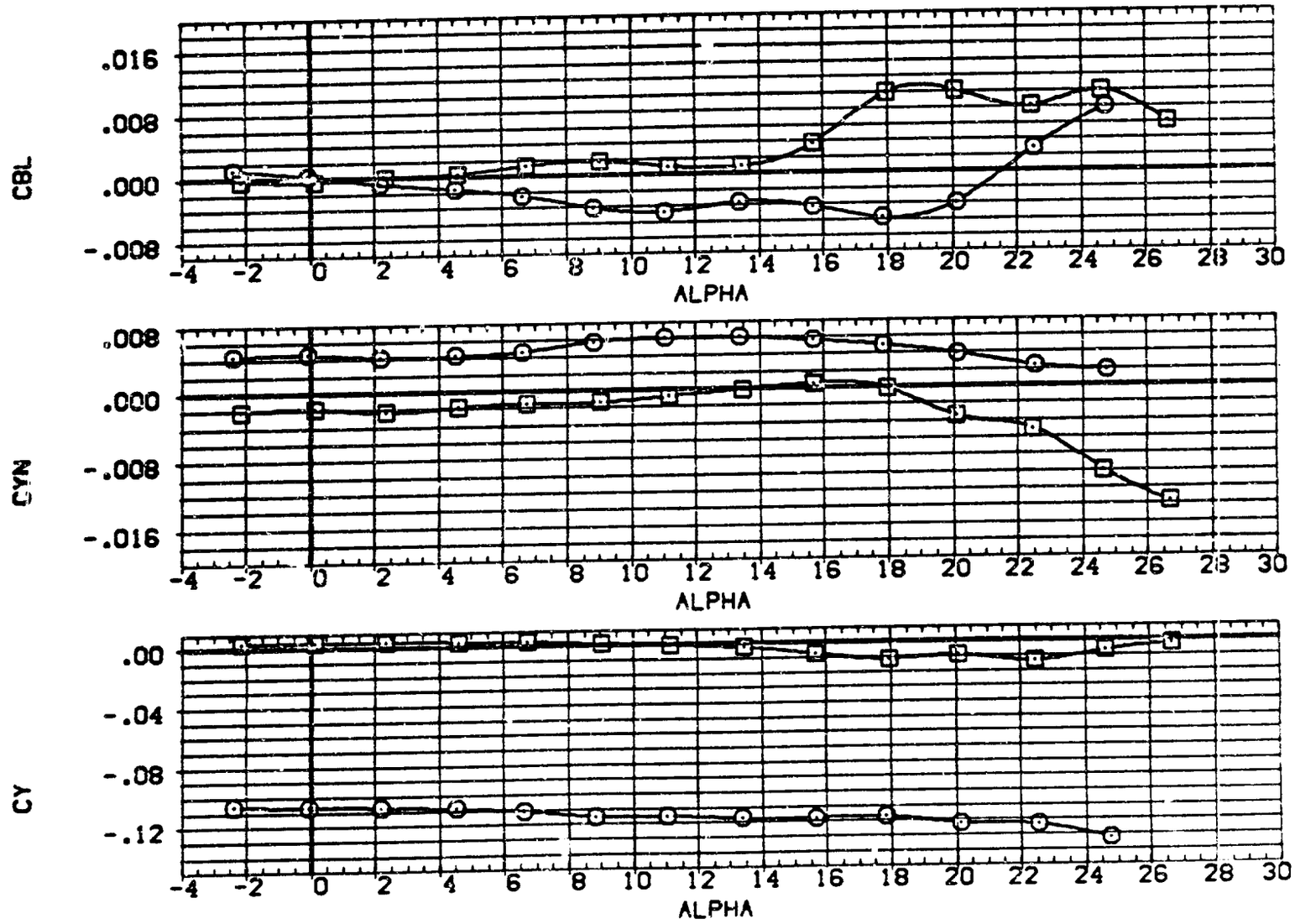
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(A)RN/L = 2.58

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
[RP7013]	⊡	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	6.000	.000	3.000	6.820
[RP7004]	⊟	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE



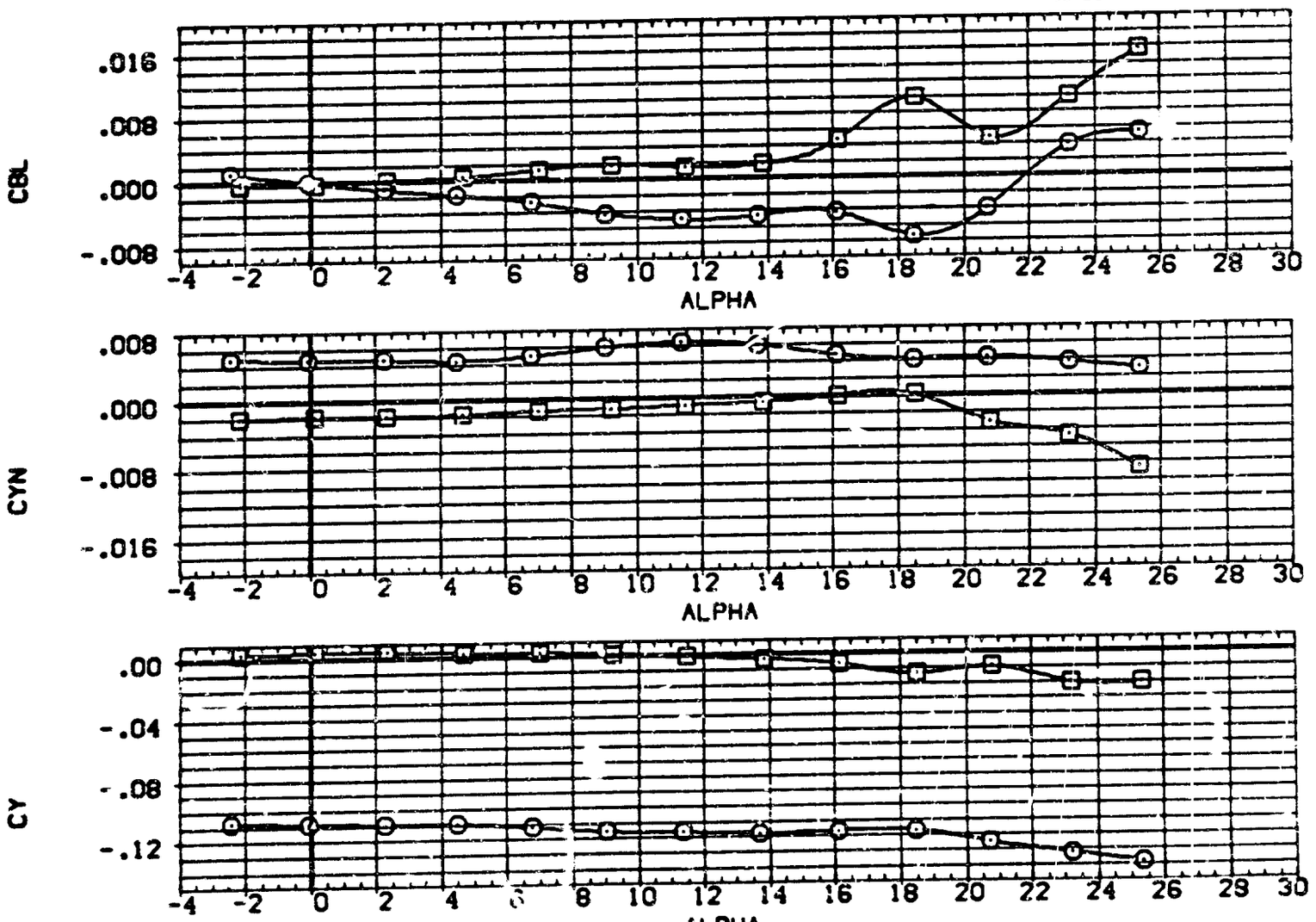
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(B)RN/_ = 4.17

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(RP7013)	LA-9 LARC LTPT 130 NAR 0898-MOD: NOSE +0MS	6.000	.000	3.000	6.820
(RP7004)	LA-9 LARC LTPT 130 NAR 0898-MOD: NOSE +0MS	.000	.000	3.000	6.820

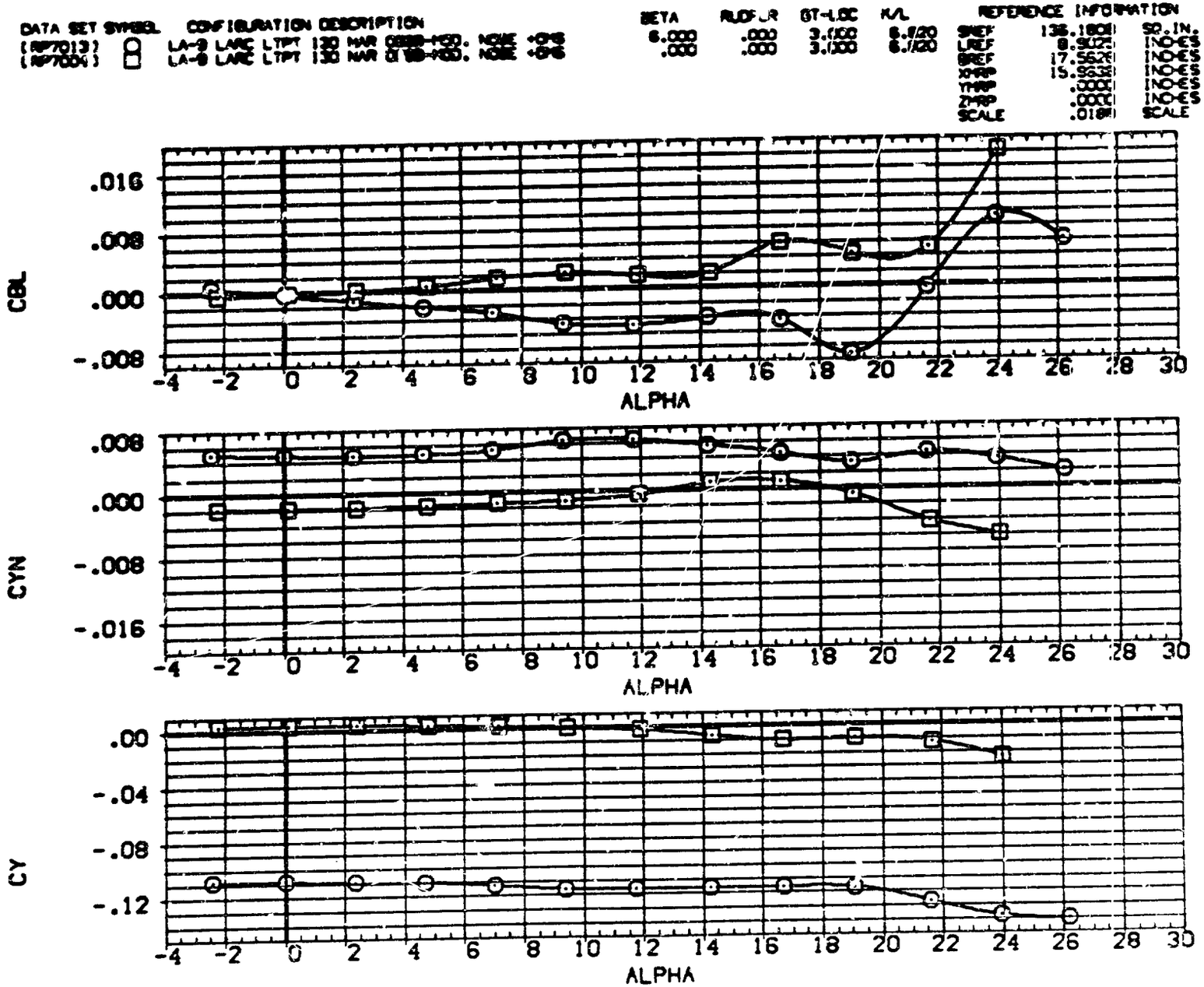
REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.5025	INCHES
BREF	17.5528	INCHES
XMRP	15.9633	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(C)RN/L = 6.15



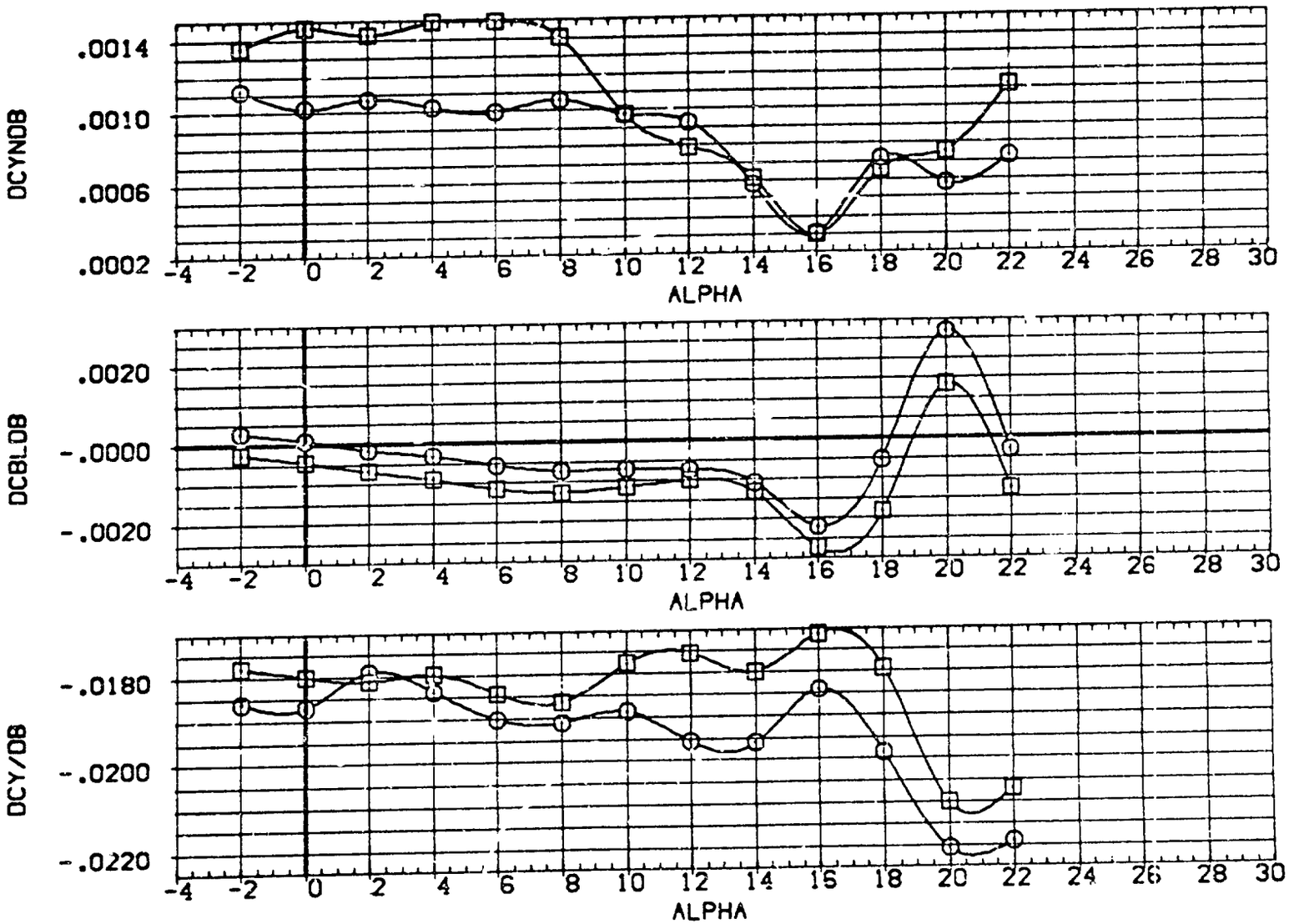
EFFECT OF ROUGHNESS ON LAT. DIR. CHAR. (ELEVATOR=0 DEG.)

(D)RN/L = 8.03

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DBETA	RUDFLR	GT-LOC	K/L
(ZP7011) ○	LA-9 LARC LTPT 130 NAR ORBI-MOD. NOSE +OMS	6.000	.000	1.000	1.200
(ZP7C10) □	LA-9 LARC LTPT 130 NAR ORBI-MOD. NOSE	6.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	1361.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5528	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0163	SCALE



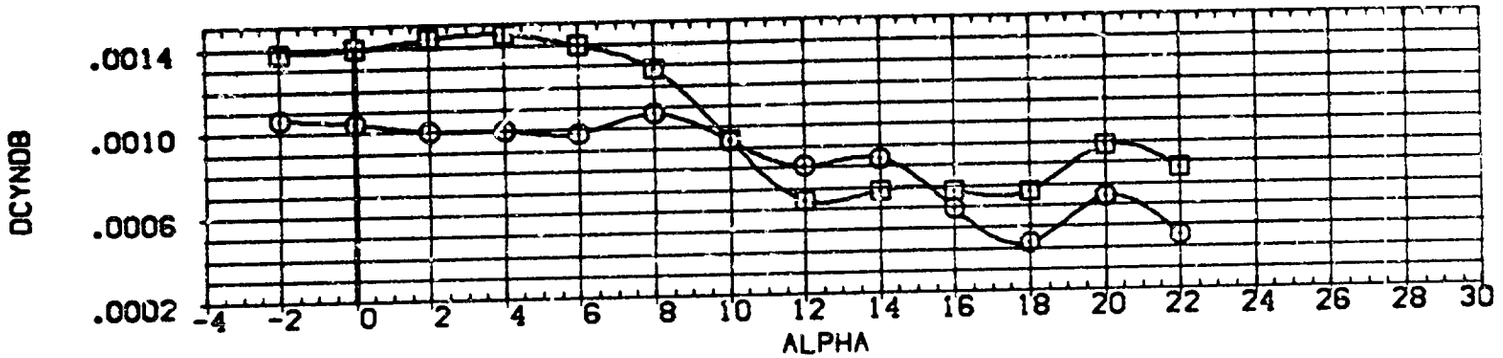
EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

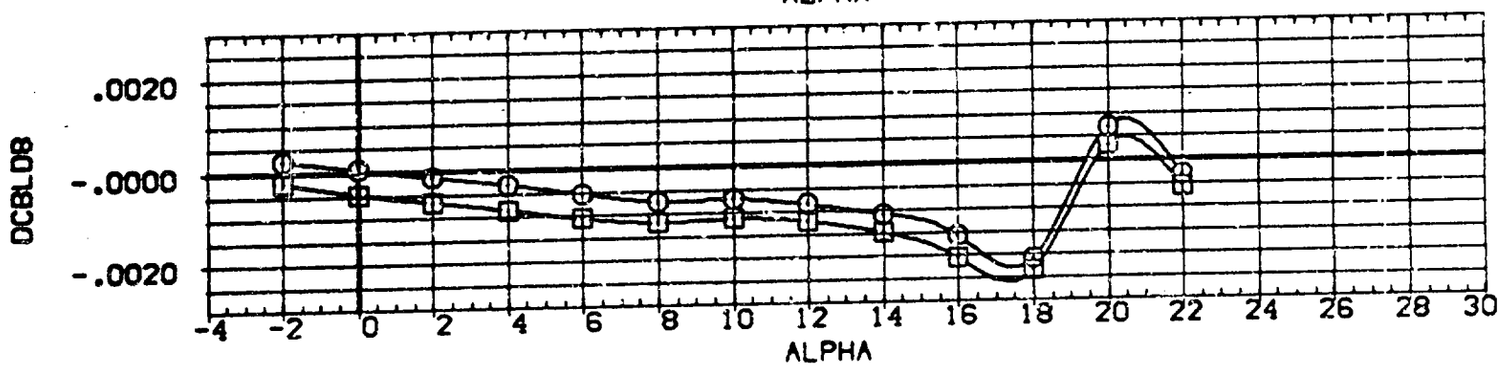
(A)RN/L = 2.00

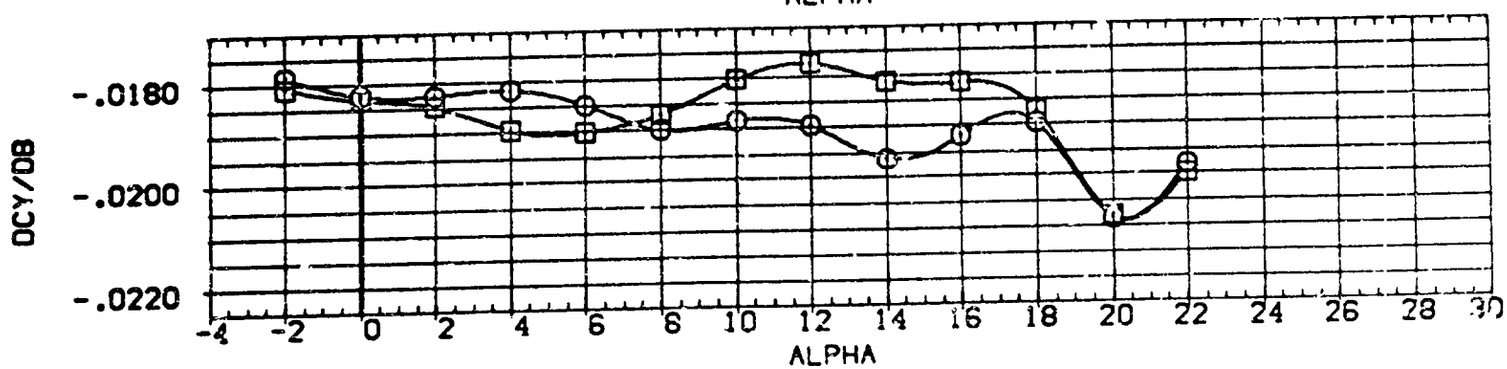
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(ZP7011)	LA-9 LARC LTPT 130 NAR 0858-MOD. NOSE +OMS	6.000	.000	1.000	1.230
(ZP7010)	LA-9 LARC LTPT 130 NAR 0858-MOD. NOSE	6.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9015	INCHES
BREF	17.5518	INCHES
XMRP	15.8519	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE







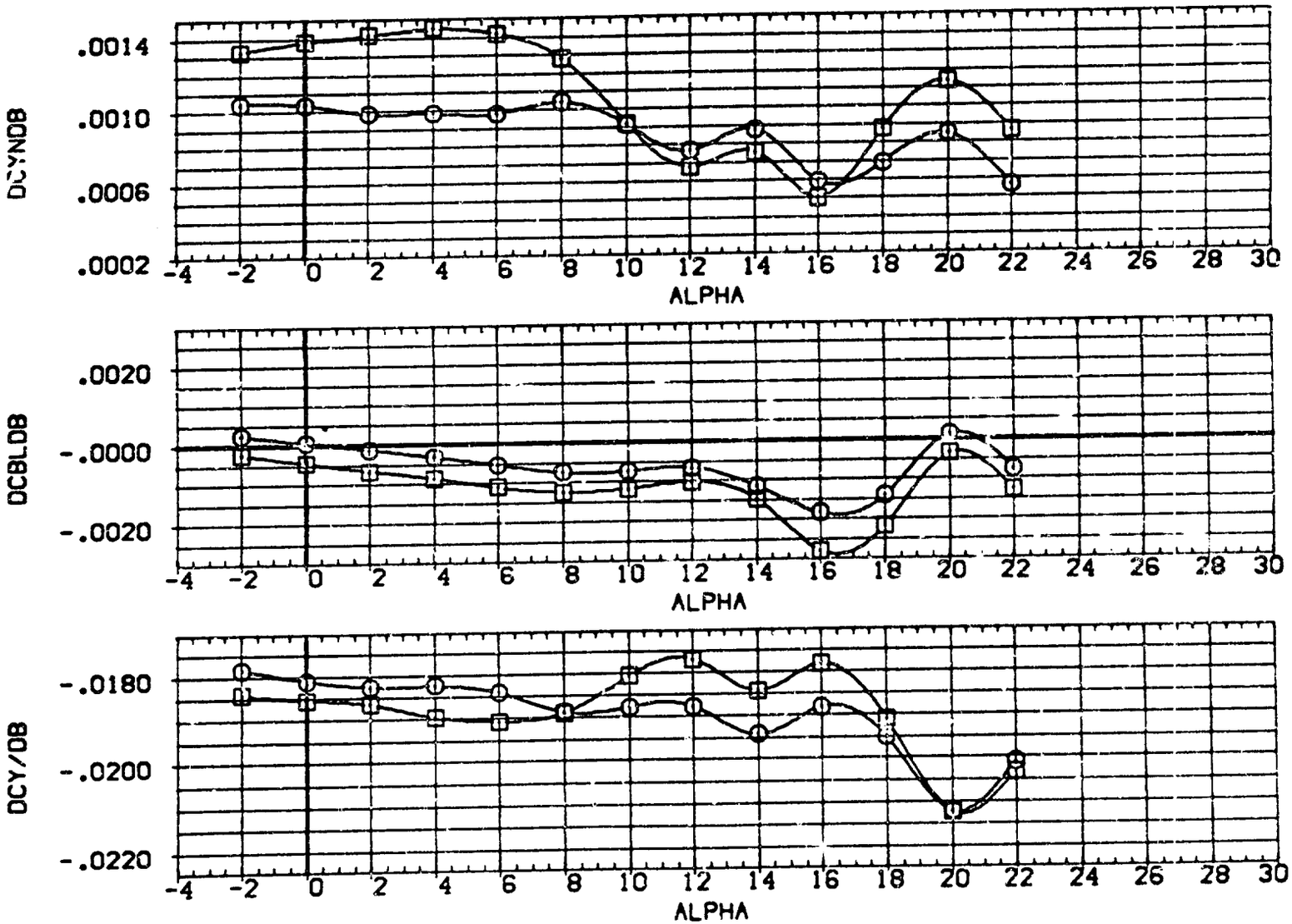
EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

(B)RN/L = 4.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DBETA	RUDFLR	GT-LOC	K/L
(ZP7011)	LA-8 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	1.200
(ZP7010)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	6.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9375	INCHES
BREF	17.5528	INCHES
XMRP	15.6528	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



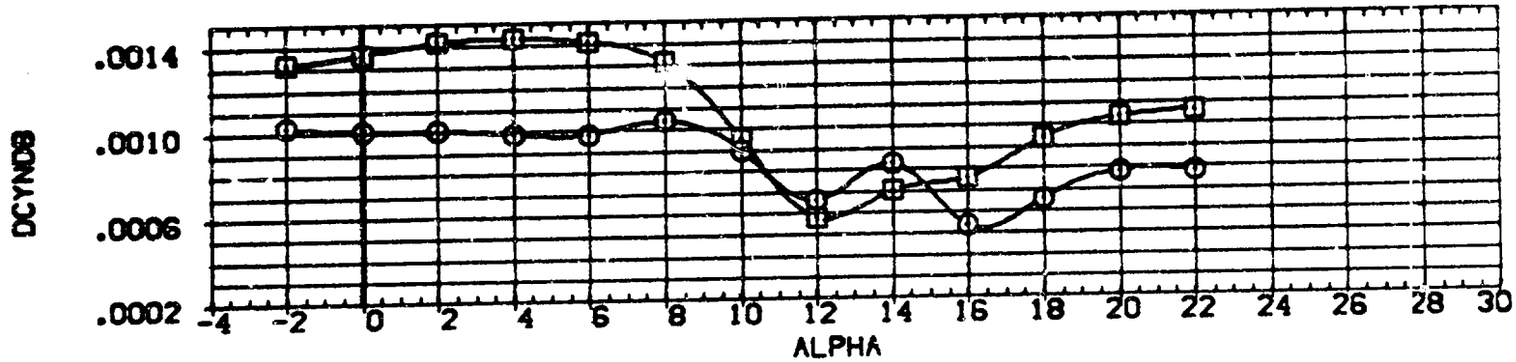
EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

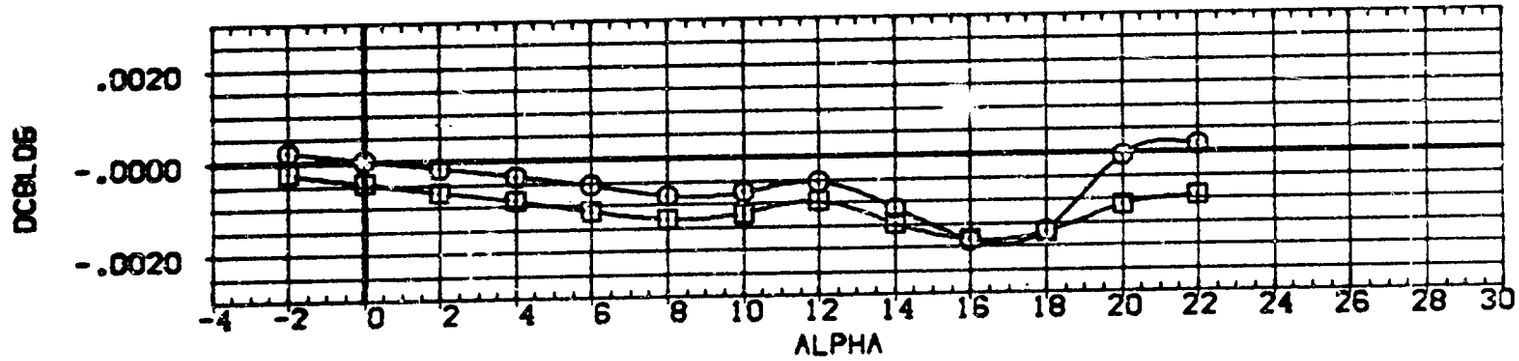
(C)RN/L = 6.00

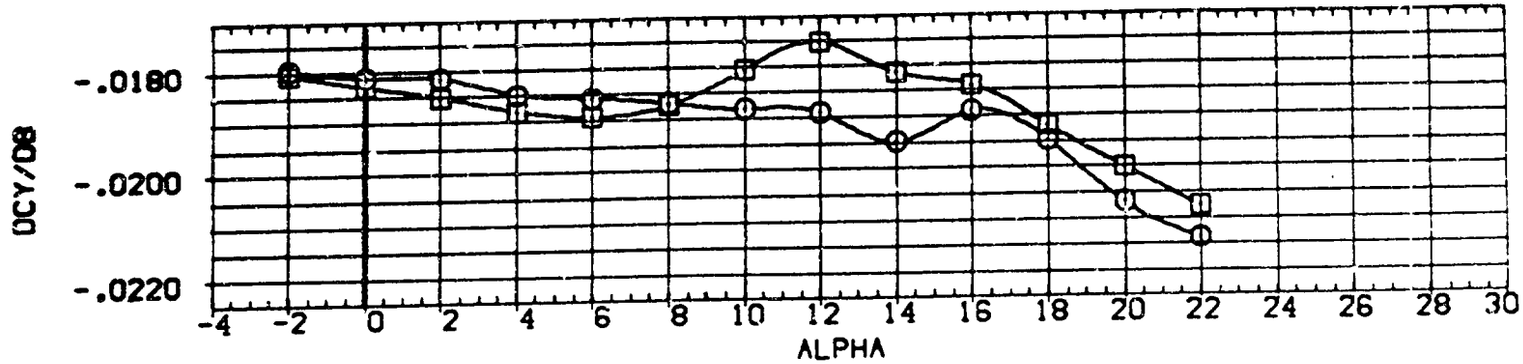
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DSETA	RUDFLR	ST-LOC	K/L
(ZP7011) ○	LA-9 LARC LTPT 130 NAR 0858-H00. NOSE +OMS	6.000	.000	1.000	1.200
(ZP7010) □	LA-9 LARC LTPT 130 NAR 0858-H00. NOSE	6.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	136.1800	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5623	INCHES
XMRP	15.5623	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0183	SCALE





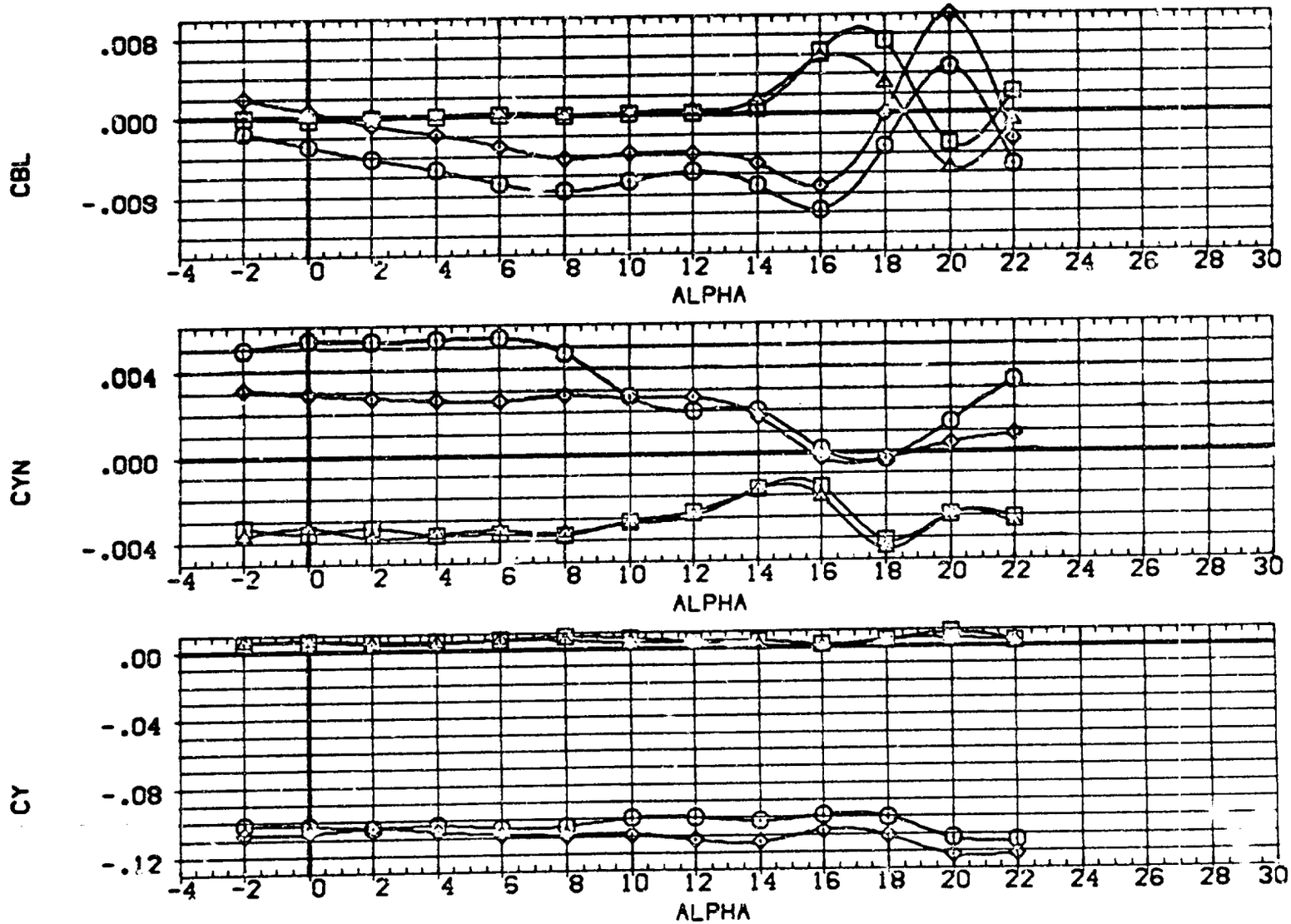


EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

(D)RN/L = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LOC	K/L
(AP7010)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	6.000	.000	1.000	1.200
(AP7009)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200
(AP7011)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	1.200
(AP7007)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200

REFERENCE INFORMATION		
SREF	136.11108	SQ.IN.
LREF	8.90125	INCHES
BREF	17.56128	INCHES
XMRP	15.96133	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



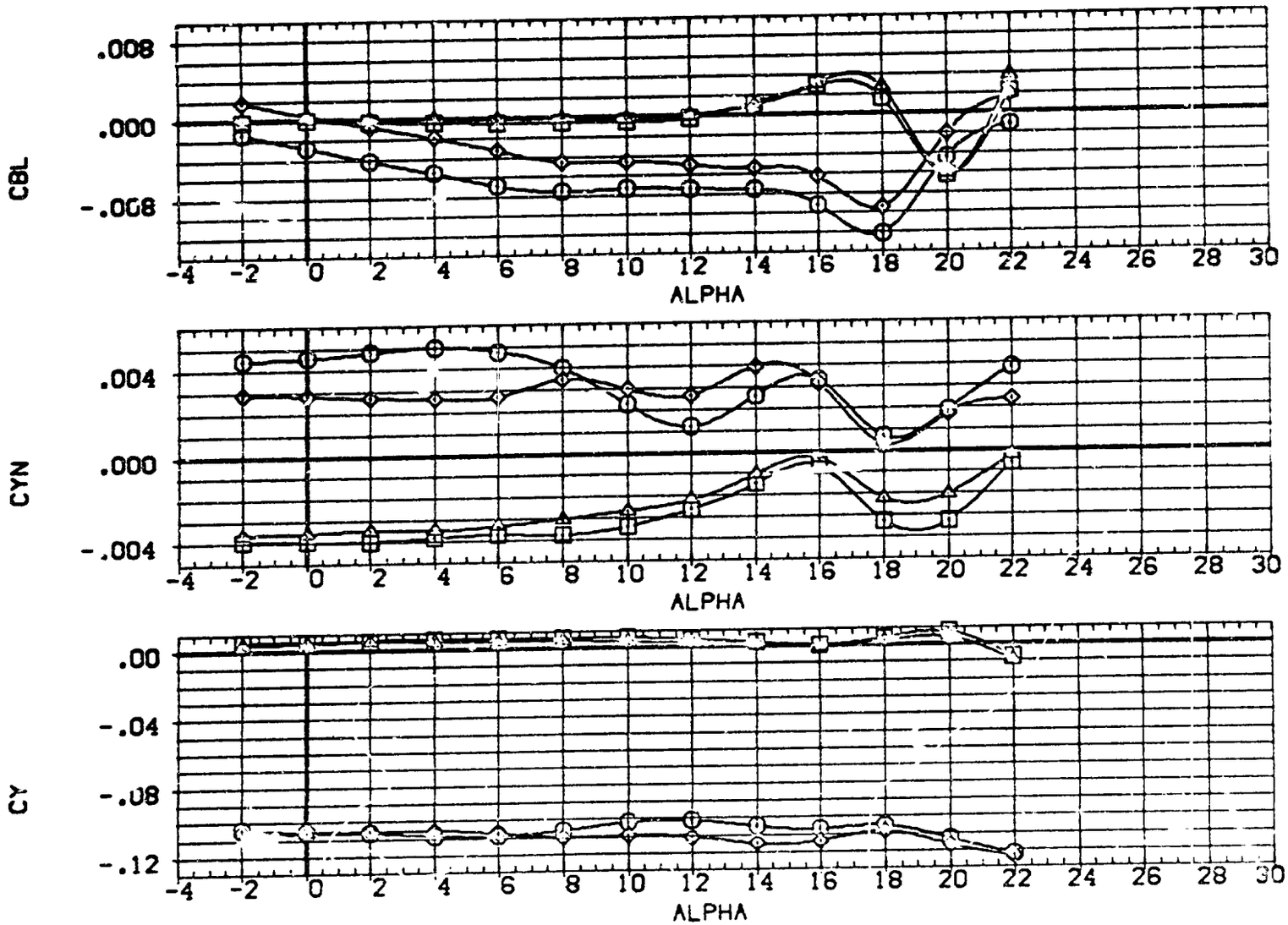
EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

(A)RN/L = 2.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	BT-LOC	K/L
(AP7010)	○	LA-9 LARC LTPT 30 NAR 0898-MOD. NOSE	6.000	.000	1.000	1.200
(AP7009)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE	.000	.000	1.000	1.200
(AP7011)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	6.000	.000	1.000	1.200
(AP7007)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200

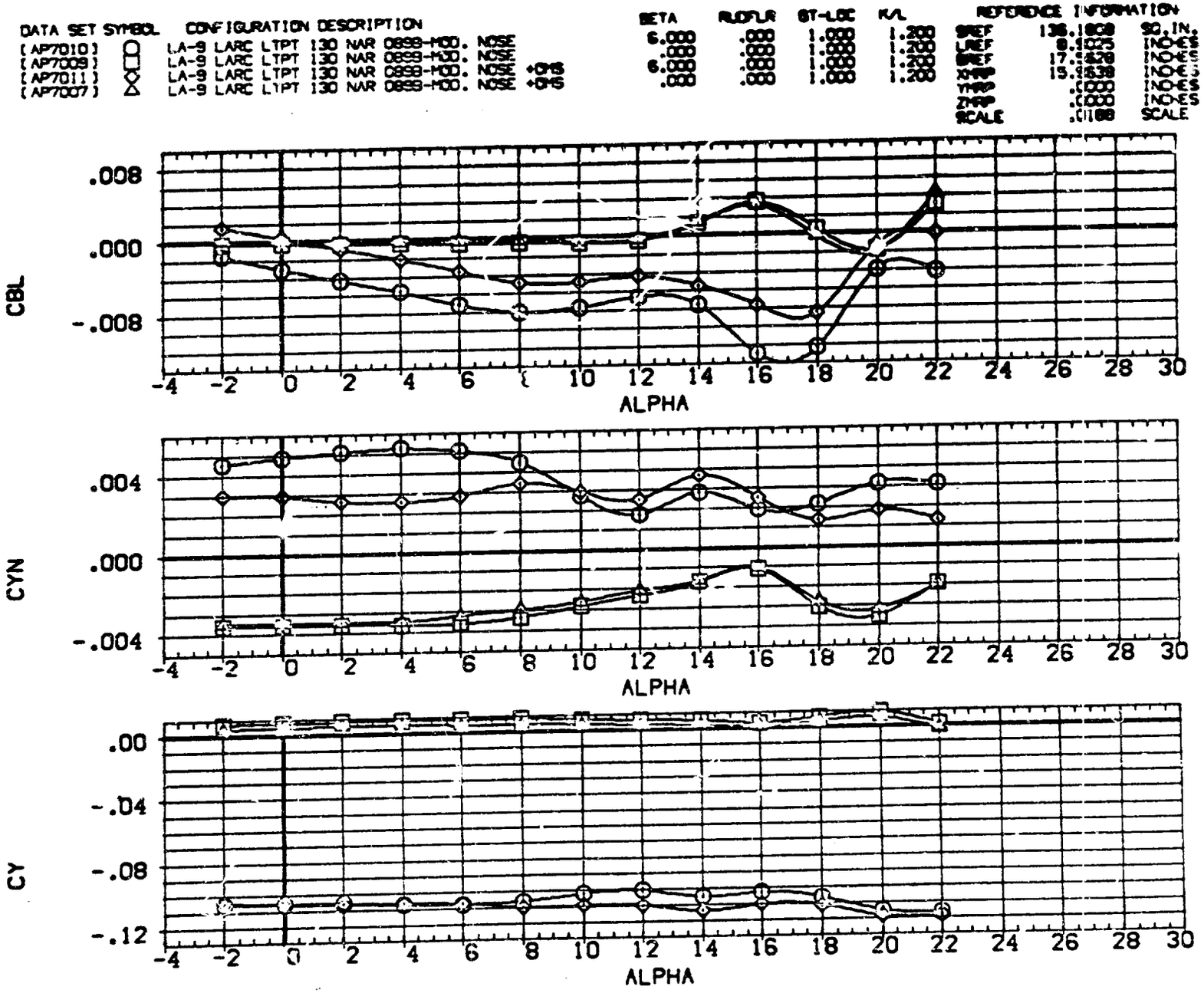
REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.5025	INCHES
BREF	17.5528	INCHES
XMRP	15.9533	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0108	SCALE



EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

(B)RN/L = 4.00



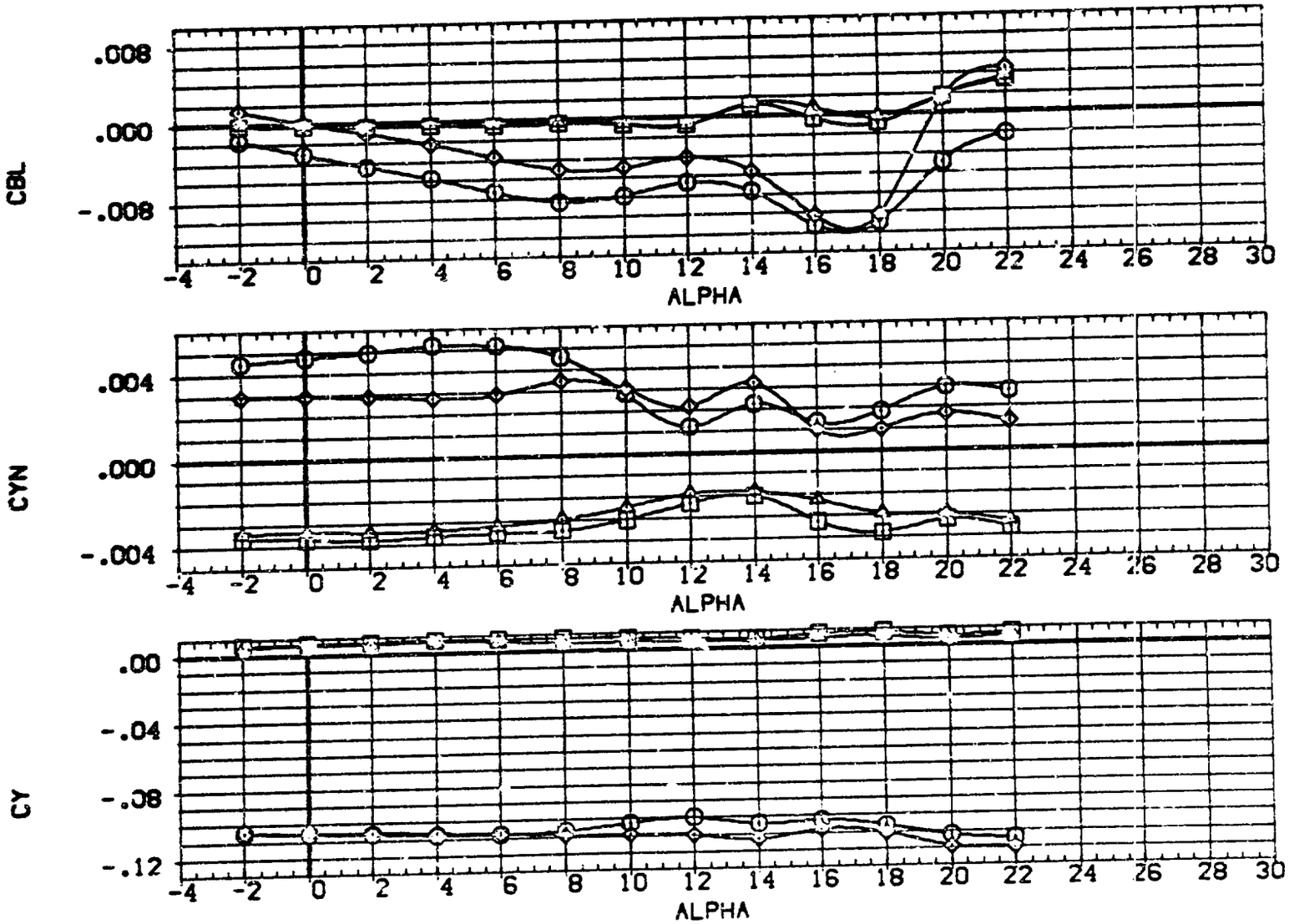
EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

(C)RN/L = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDFLR	GT-LEG	K/L
(AP7010)	□	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE	6.000	.000	1.000	1.200
(AP7009)	◇	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE	.000	.000	1.000	1.200
(AP7011)	⊠	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +OMS	6.000	.000	1.000	1.200
(AP7007)	△	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +OMS	.000	.000	1.000	1.200

REFERENCE INFORMATION

SREF	135.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.8338	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0169	SCALE



EFFECT OF OMS PACKAGE ON LAT. DIR. CHAR. (K/L=1.2 X10-4)

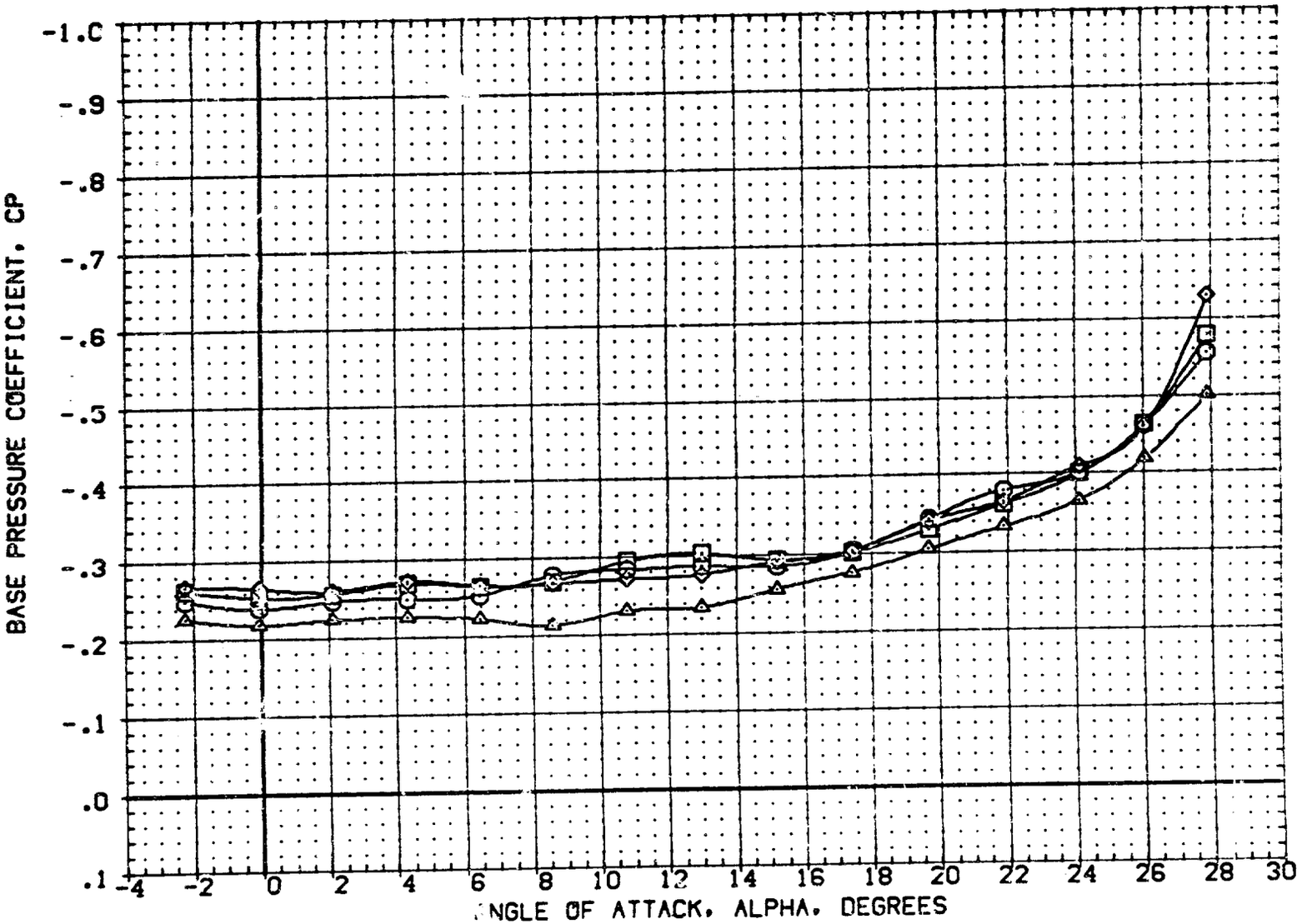
(D)RN/L = 8.00

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	2.474	BETA	.000
□	CP2	MACH	.252	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	.000		

REFERENCE INFORMATION

SREF	136.1803	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.3639	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

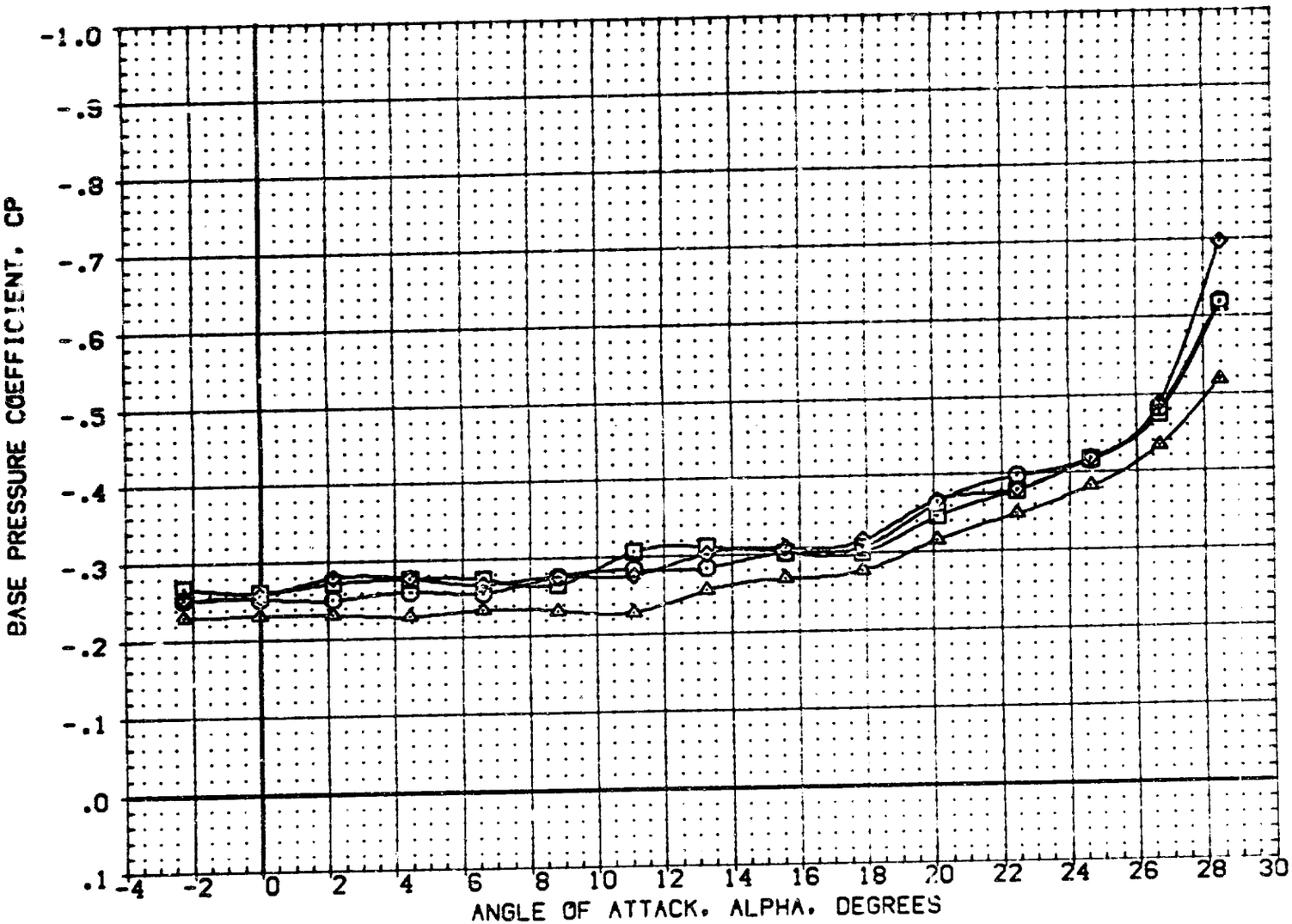


TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	4.083	BETA	.000
□	CP2	MACH	.252	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	.000		

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



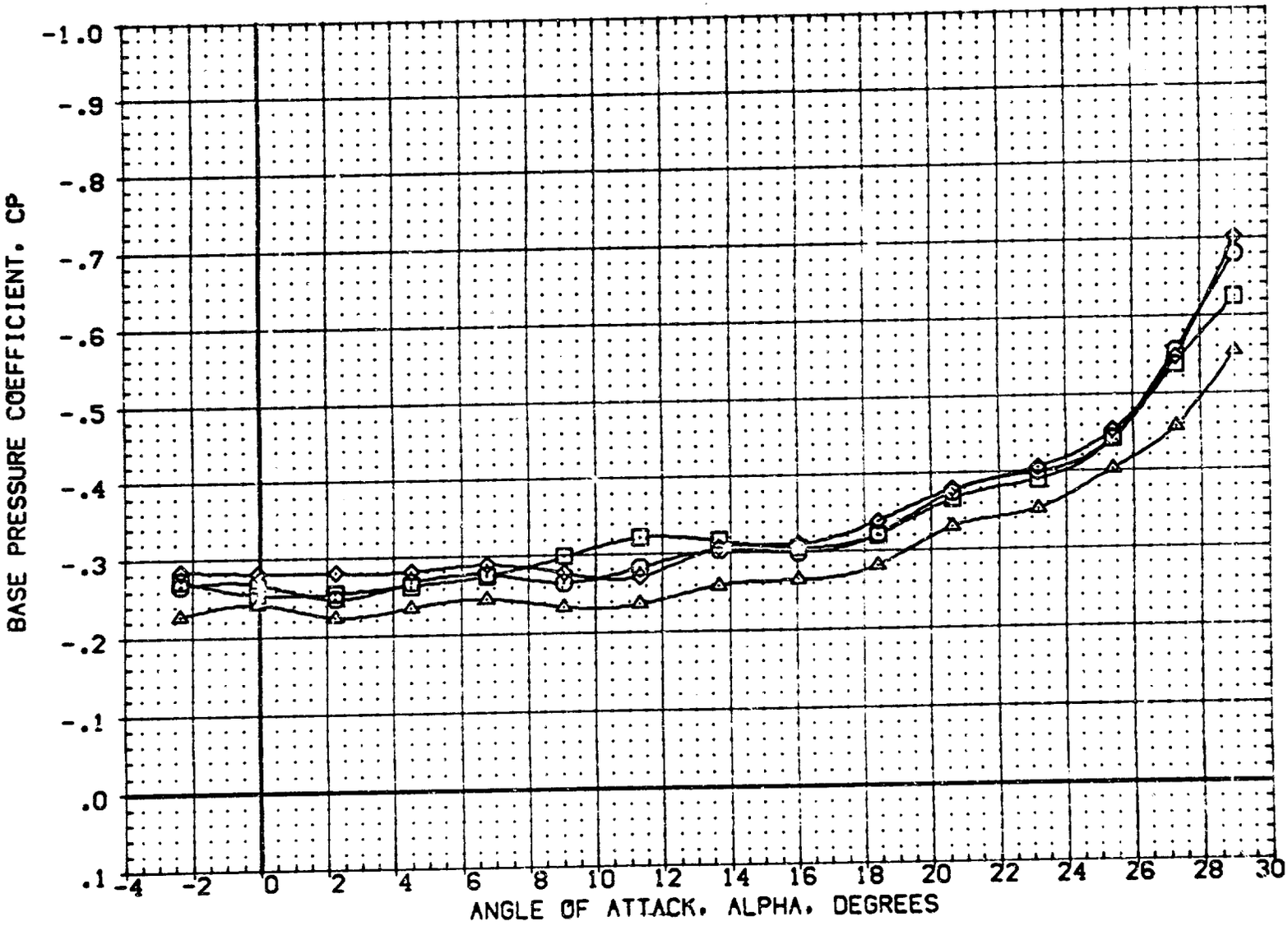
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	6.023	BETA	.000
□	CP2	MACH	.252	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	.000		

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



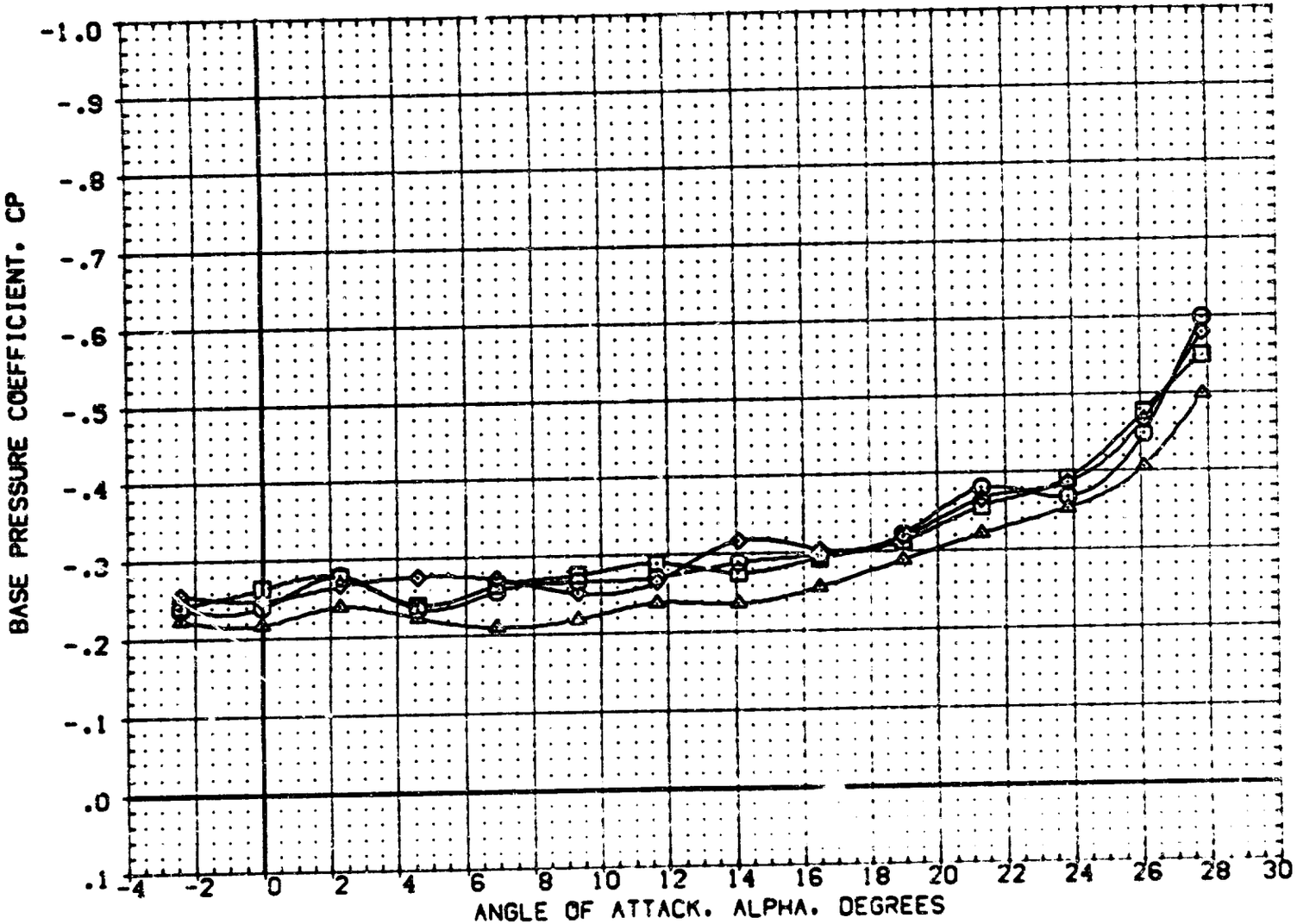
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	8.344	BETA	.000
□	CP2	MACH	.252	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	.000		

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.3025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



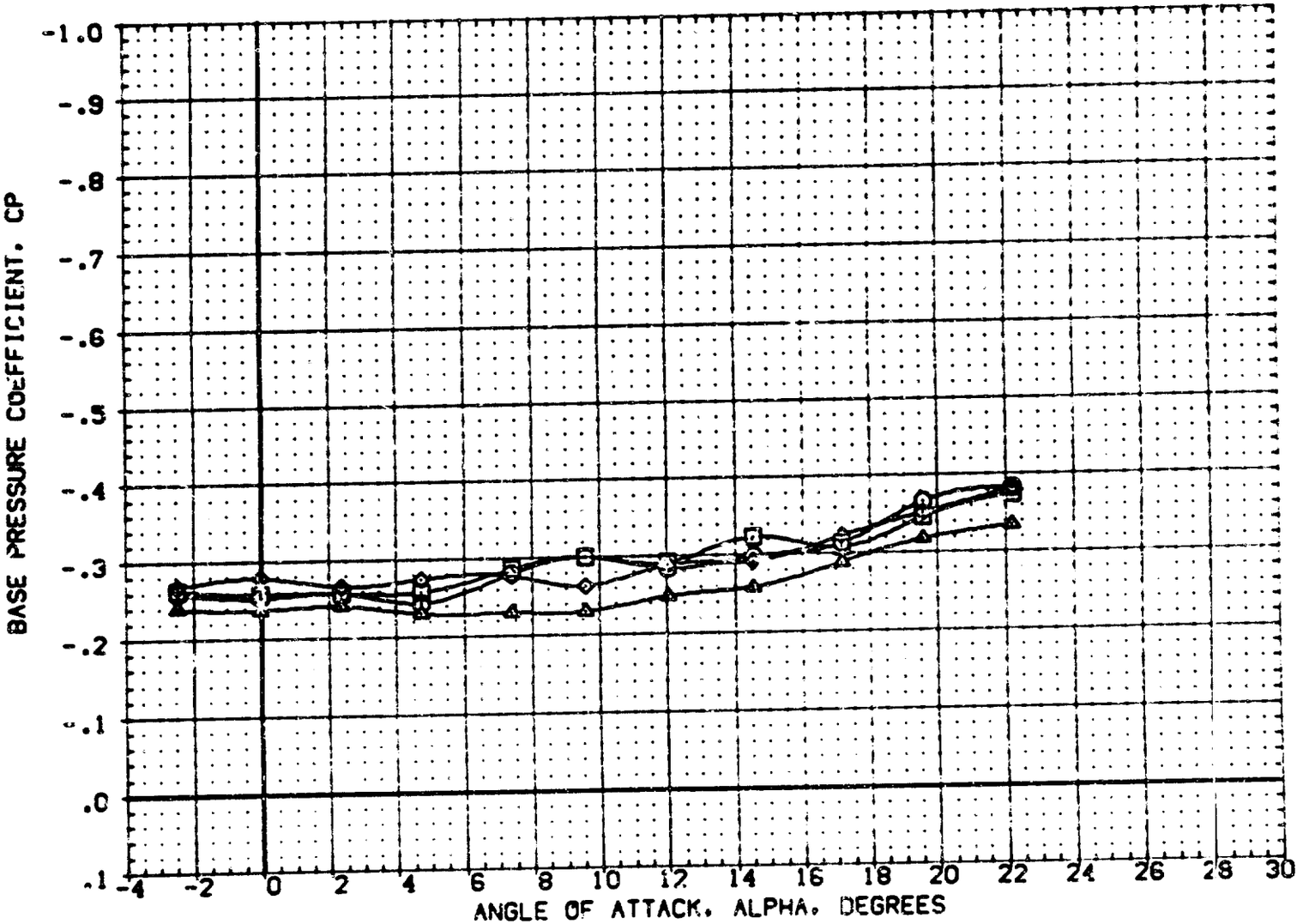
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-9 LARC LTPT 130 NAR 089B-M0D. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	OP1	RN/L	10.143	BETA	.000
◇□	OP2	MACH	.252	ELEVTR	.000
△	OP3	RUDFLR	.000	GT-LOC	1.000
	OP4	K/L	.000		

REFERENCE INFORMATION

SREF	136.1[illegible]	SQ.IN.
LREF	8.[illegible]	INCHES
BREF	17.[illegible]	INCHES
XMRP	15.[illegible]	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.01[illegible]	SCALE



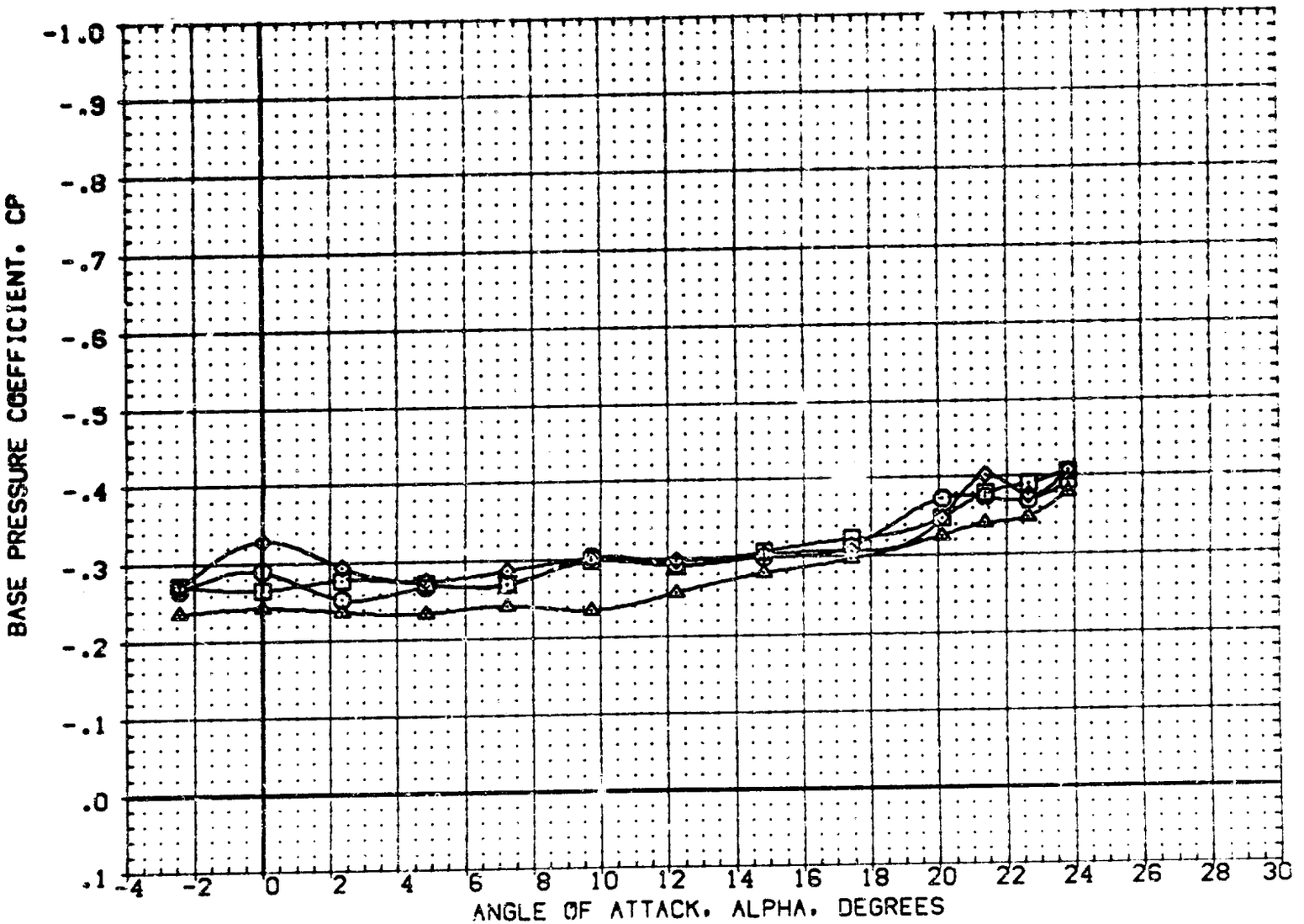
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-S LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (PP7001)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	11 721	BETA	.000
□	CP2	MACH	.252	ELEVTR	.000
◇	CP3	RUDFLR	.000	BT-LOC	1.000
△	CP4	K/L	.000		

REFERENCE INFORMATION

SREF	136.1908	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



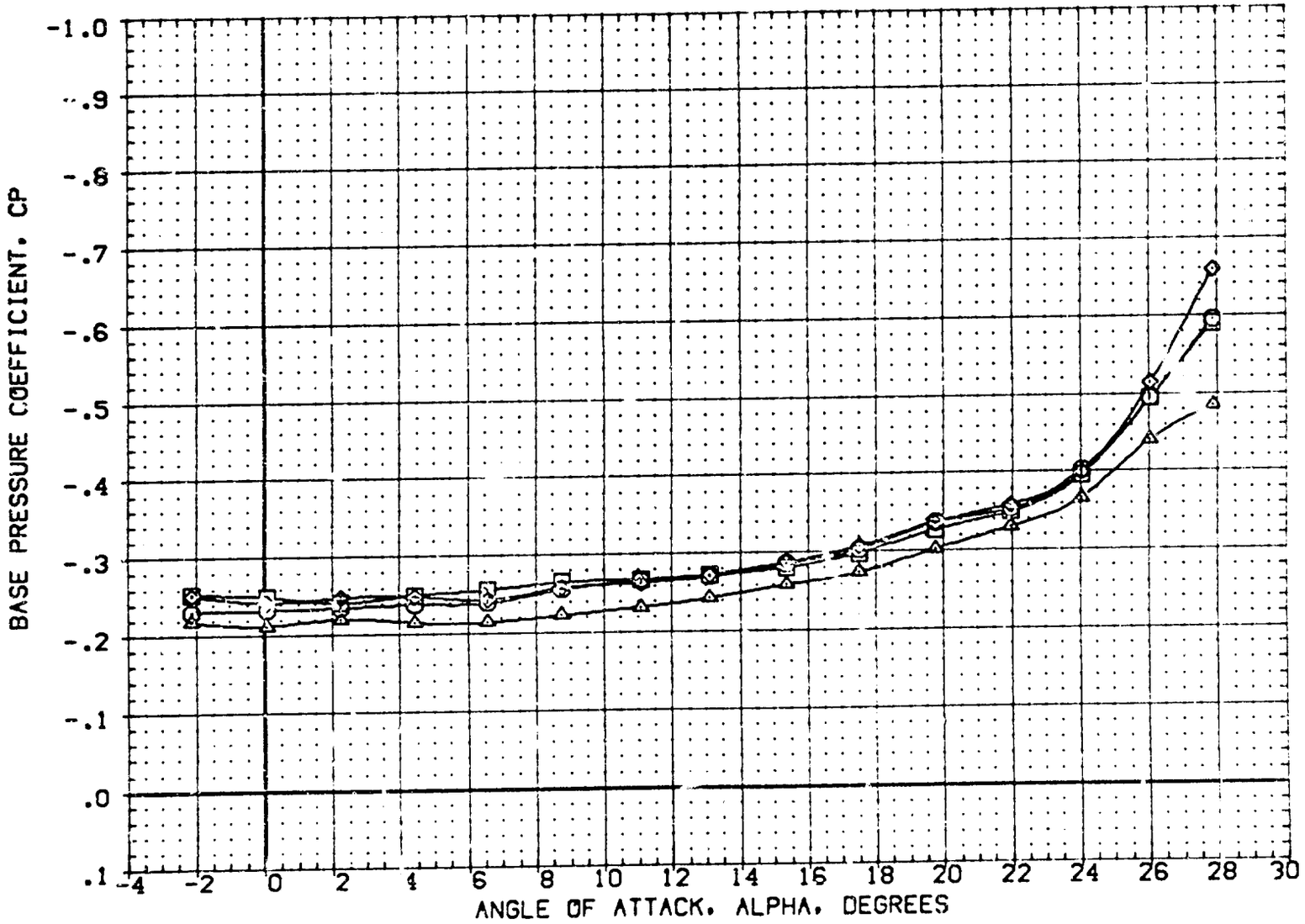
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=0)

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (PP7002)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	2.544	BETA	.000
□	CP2	MACH	.251	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	6.820		

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



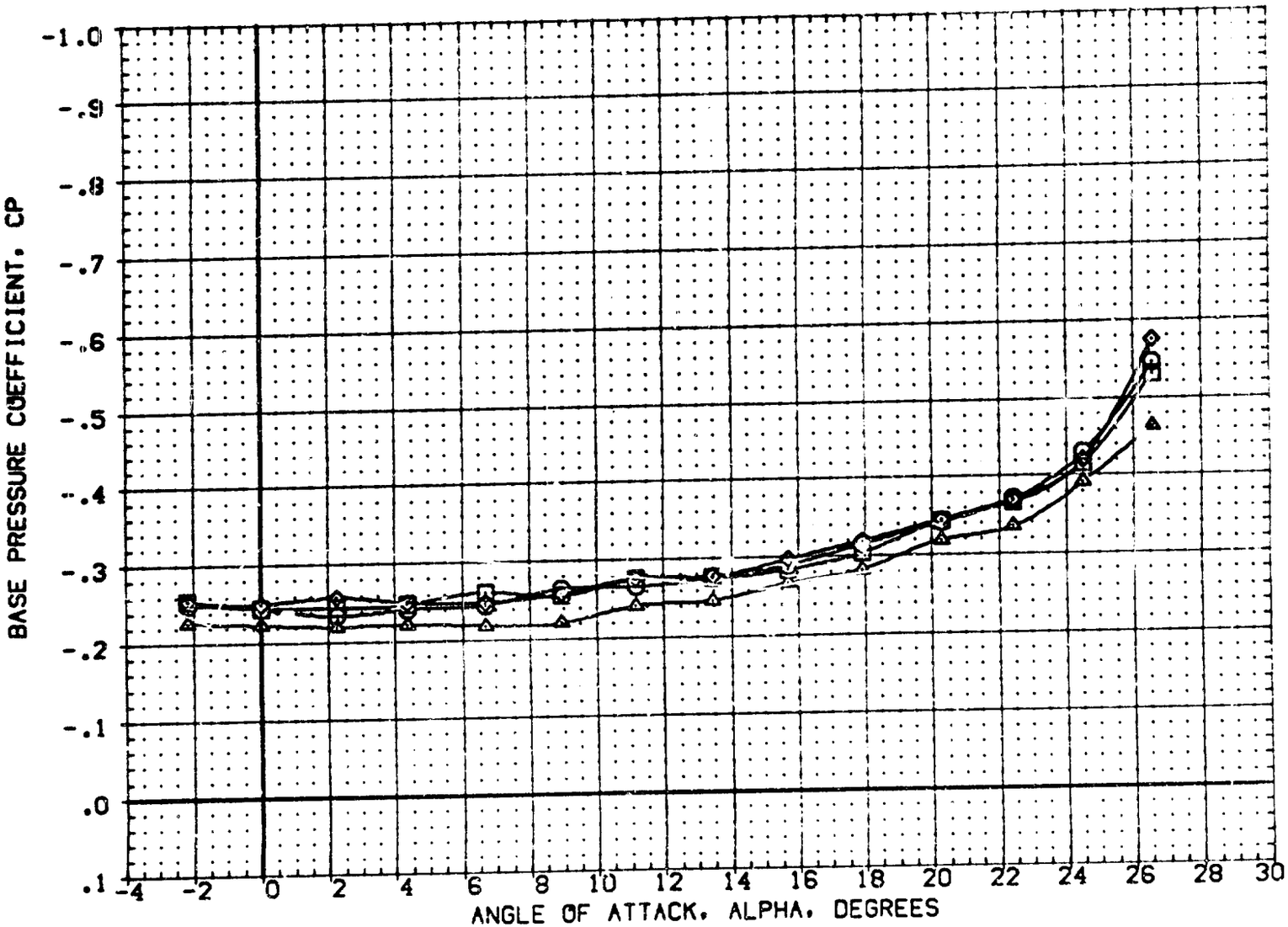
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=6.82 X10-4)

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7002)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	4.037	BETA	.000
□	CP2	MACH	.251	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	6.820		

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



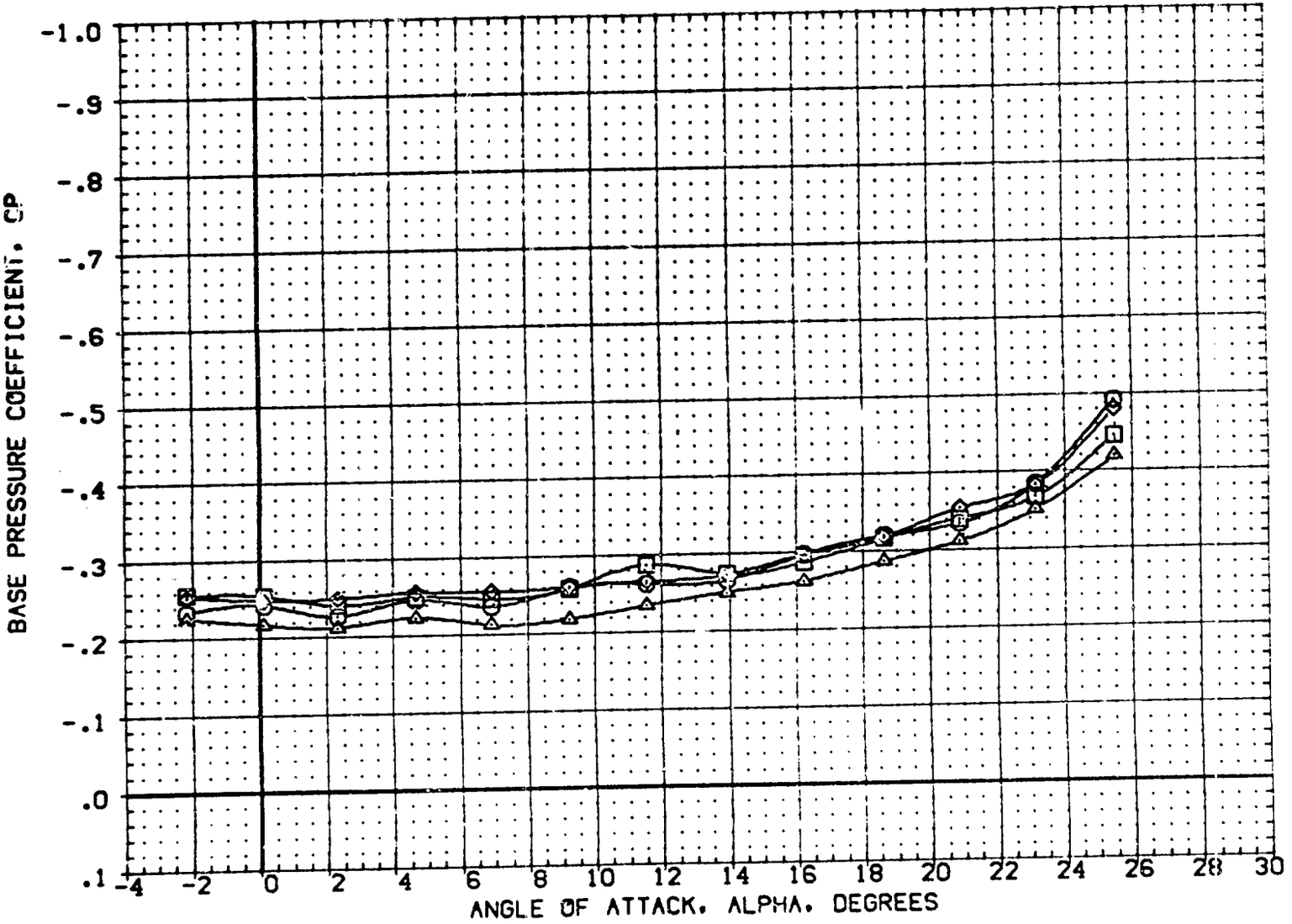
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=6.82 X10-4)

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +0MS (PP7002)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	6.126	BETA	.000
□	CP2	MACH	.251	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	6.820		

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9538	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



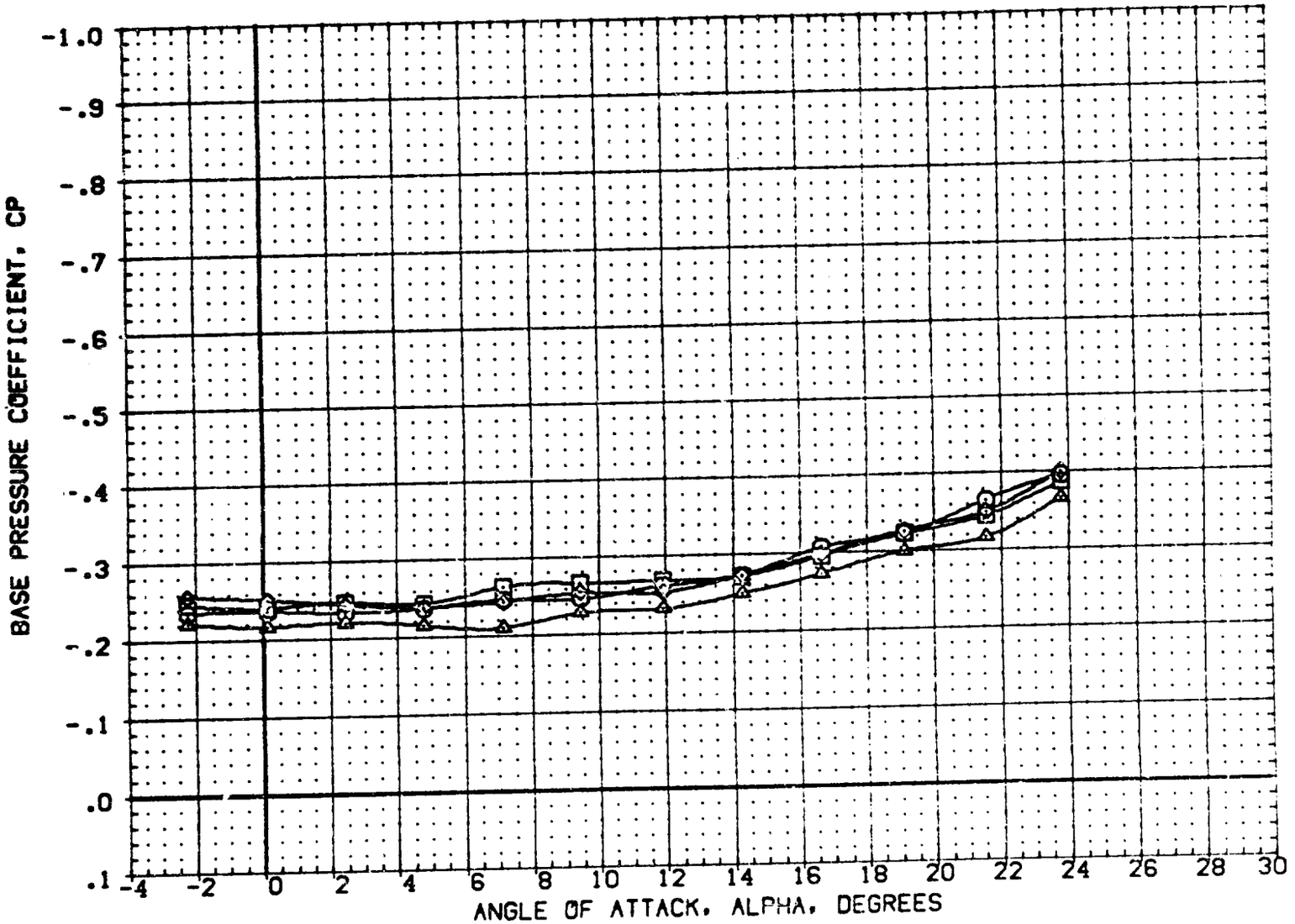
TYPICAL BASE PRESSURE COEFFICIENTS (K/L=6.82 X10-4)

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS (PP7002)

SYMBOL	DATA		PARAMETRIC VALUES		
○	CP1	RN/L	8.084	BETA	.000
□	CP2	MACH	.251	ELEVTR	.000
◇	CP3	RUDFLR	.000	GT-LOC	1.000
△	CP4	K/L	6.820		

REFERENCE INFORMATION

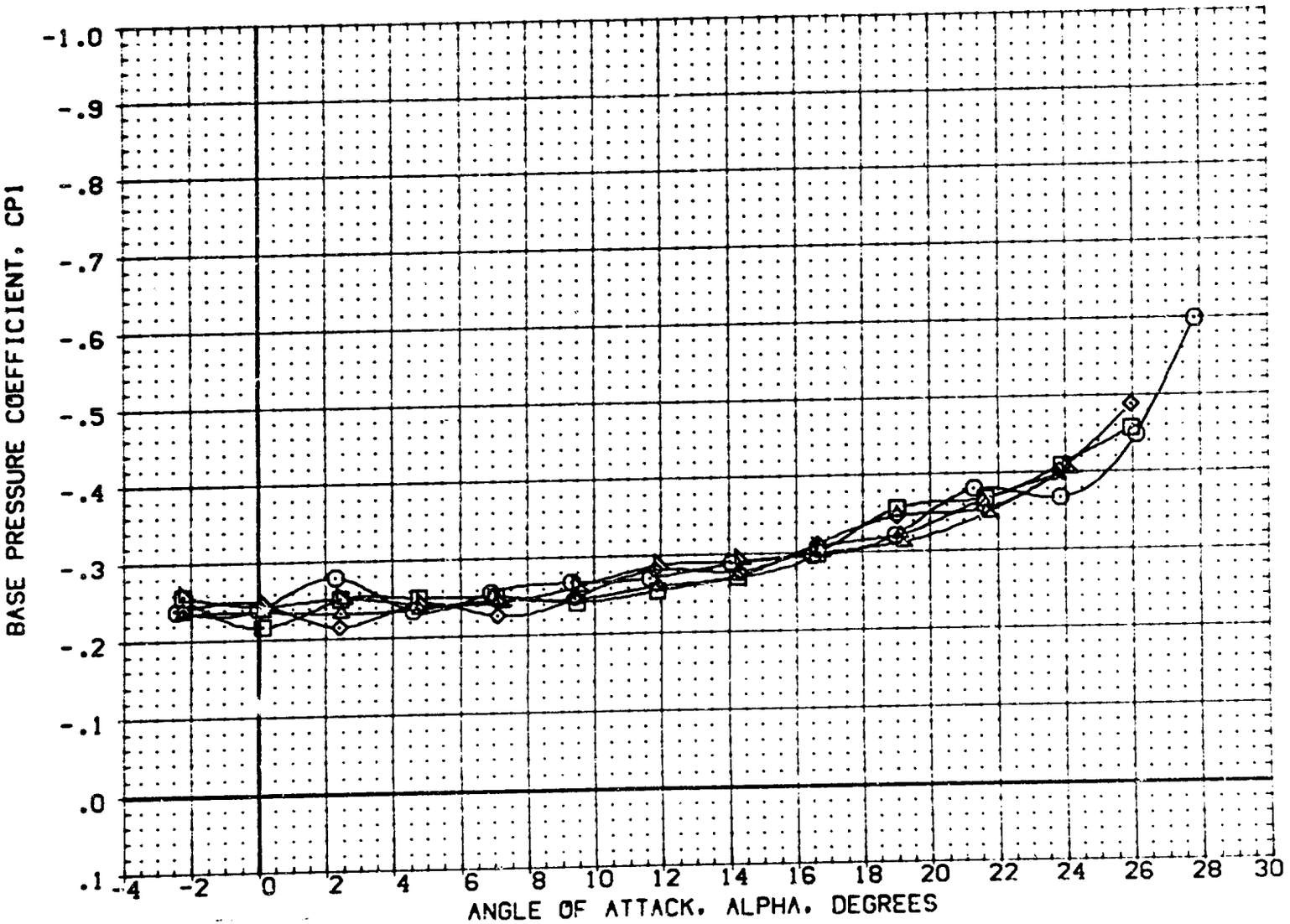
SREF	136.1808	SQ.IN.
LREF	9.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



TYPICAL BASE PRESSURE COEFFICIENTS (K/L=6.82 X10-4)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7001)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	.000
(NP7007)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	1.200
(NP7005)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	2.440
(NP7002)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	1.000	6.820
(NP7004)		LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS	.000	.000	3.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



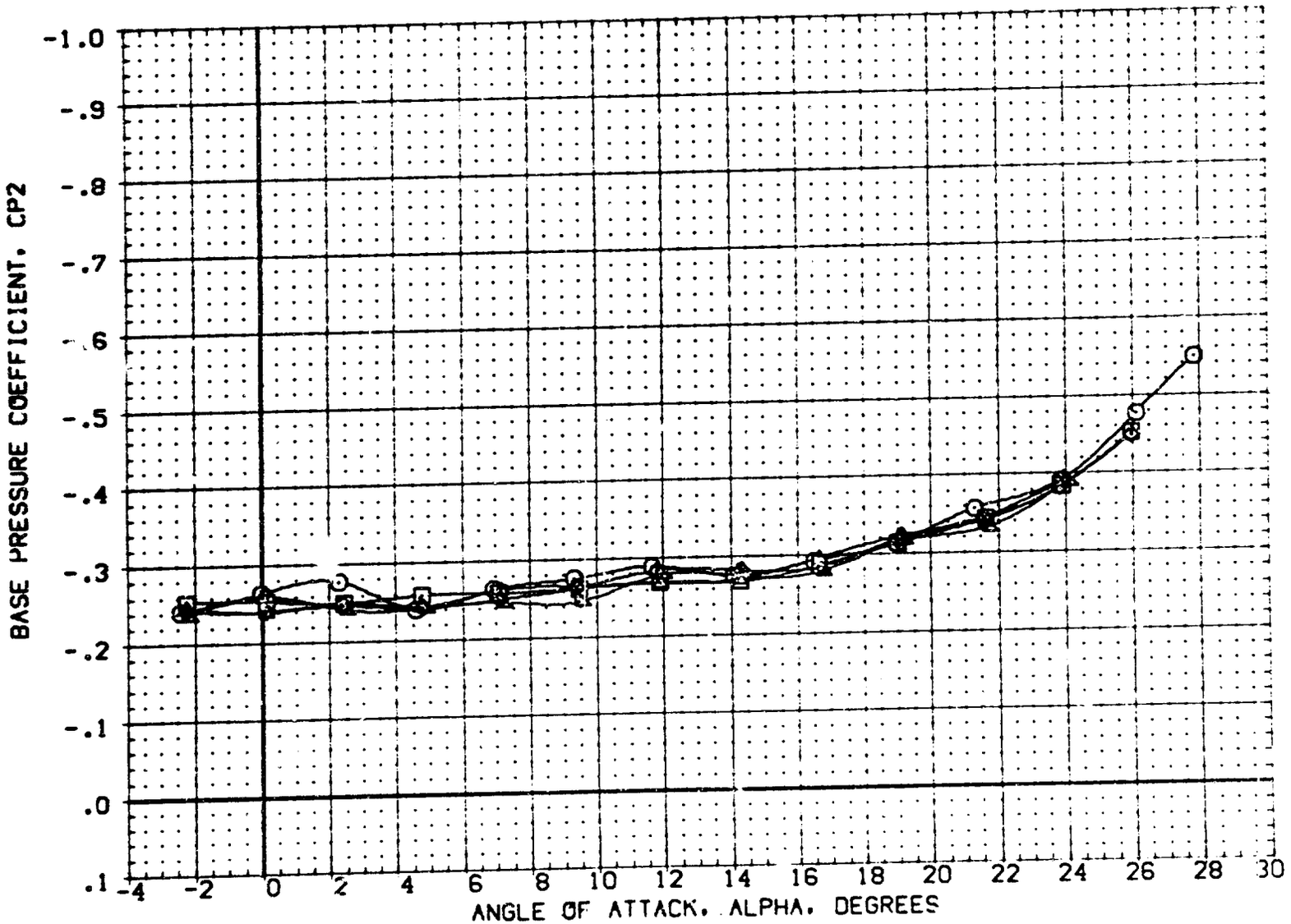
TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=0 DEG)

(A)RN/L = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUOFLR	GT-LOC	K/L
(NP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	.000
(NP7007)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	1.200
(NP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	2.440
(NP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	1.000	6.820
(NP7004)	▷	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



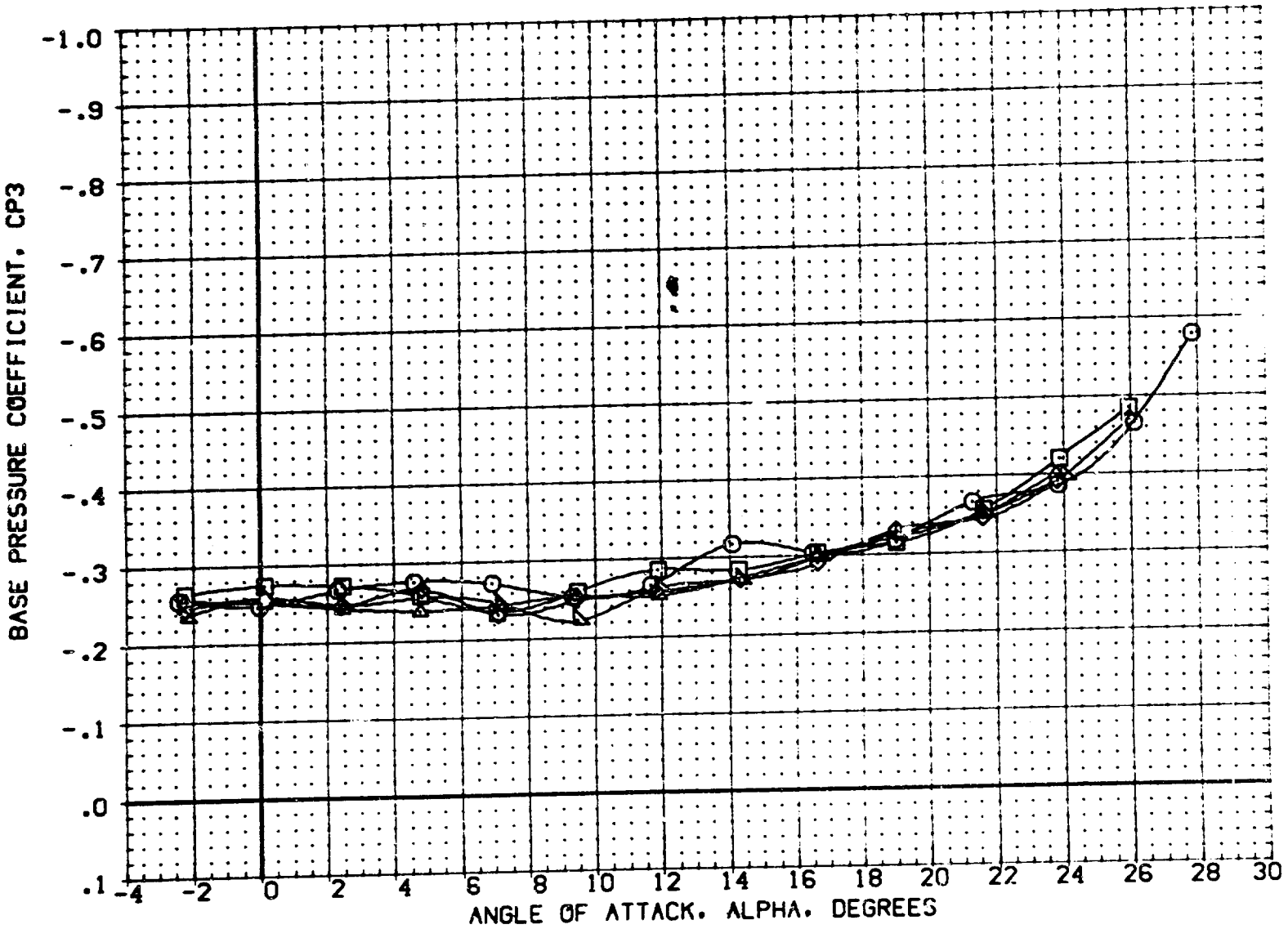
TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=0 DEG)

(A)RN/L = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7001)	□	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	.000
(NP7007)	○	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	1.200
(NP7005)	◇	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	2.440
(NP7002)	△	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	1.000	6.820
(NP7004)	▽	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



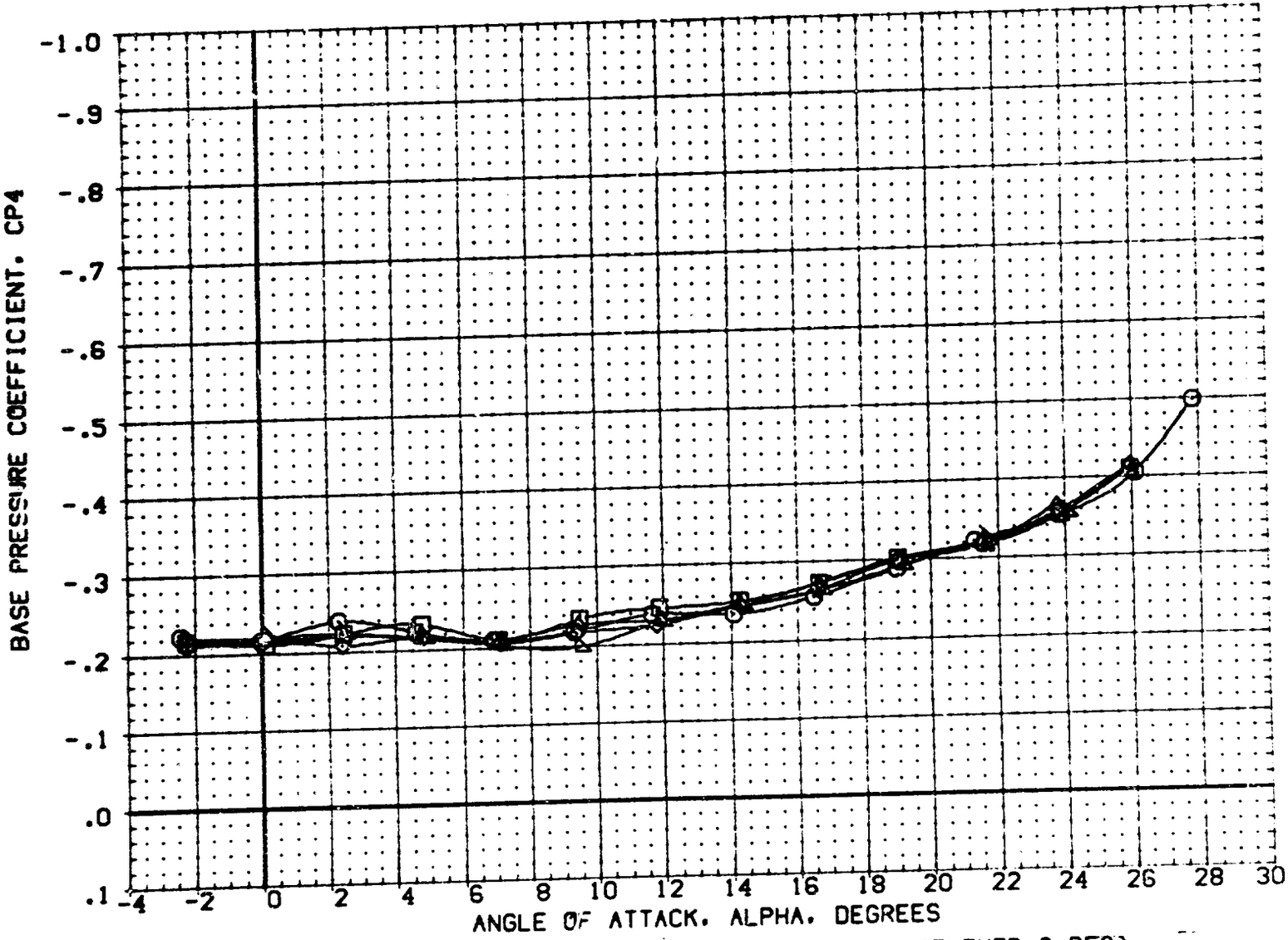
TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=0 DEG)

(A)RN/L = 8.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7001)	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0M5	.000	.000	1.000	.000
(NP7007)	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0M5	.000	.000	1.000	1.200
(NP7005)	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0M5	.000	.000	1.000	2.440
(NP7002)	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0M5	.000	.000	1.000	6.820
(NP7004)	LA-9 LARC LTPT 130 NAR 0898-H00. NOSE +0M5	.000	.000	3.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ. IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE

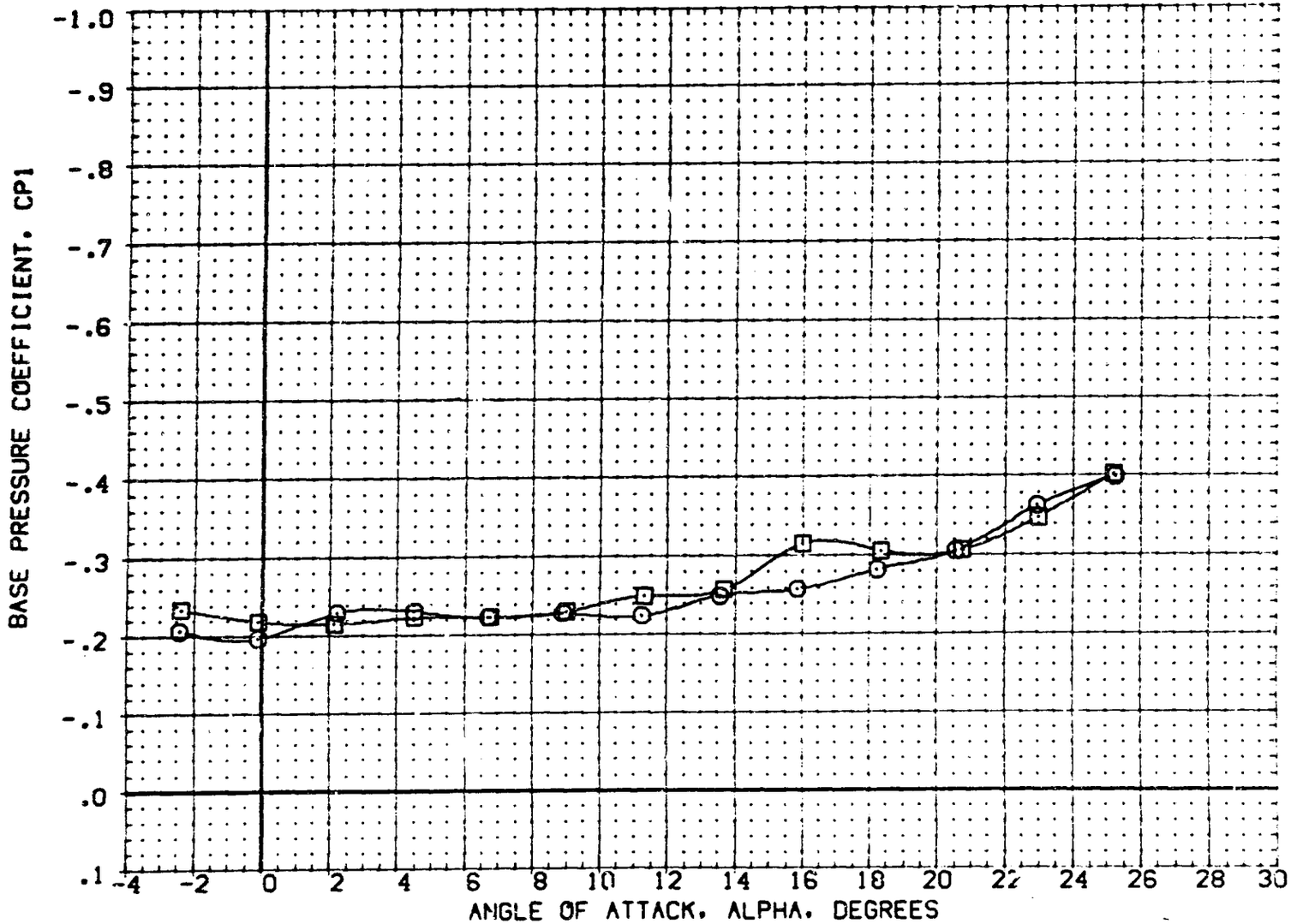


TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=0 DEG)

(A)RN/L = 8.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUOFLR	GT-LOC	K/L
(NP7006)	○	LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS	-10.000	.000	1.000	.000
(NP7003)	□	LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS	-10.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.7188	SCALE

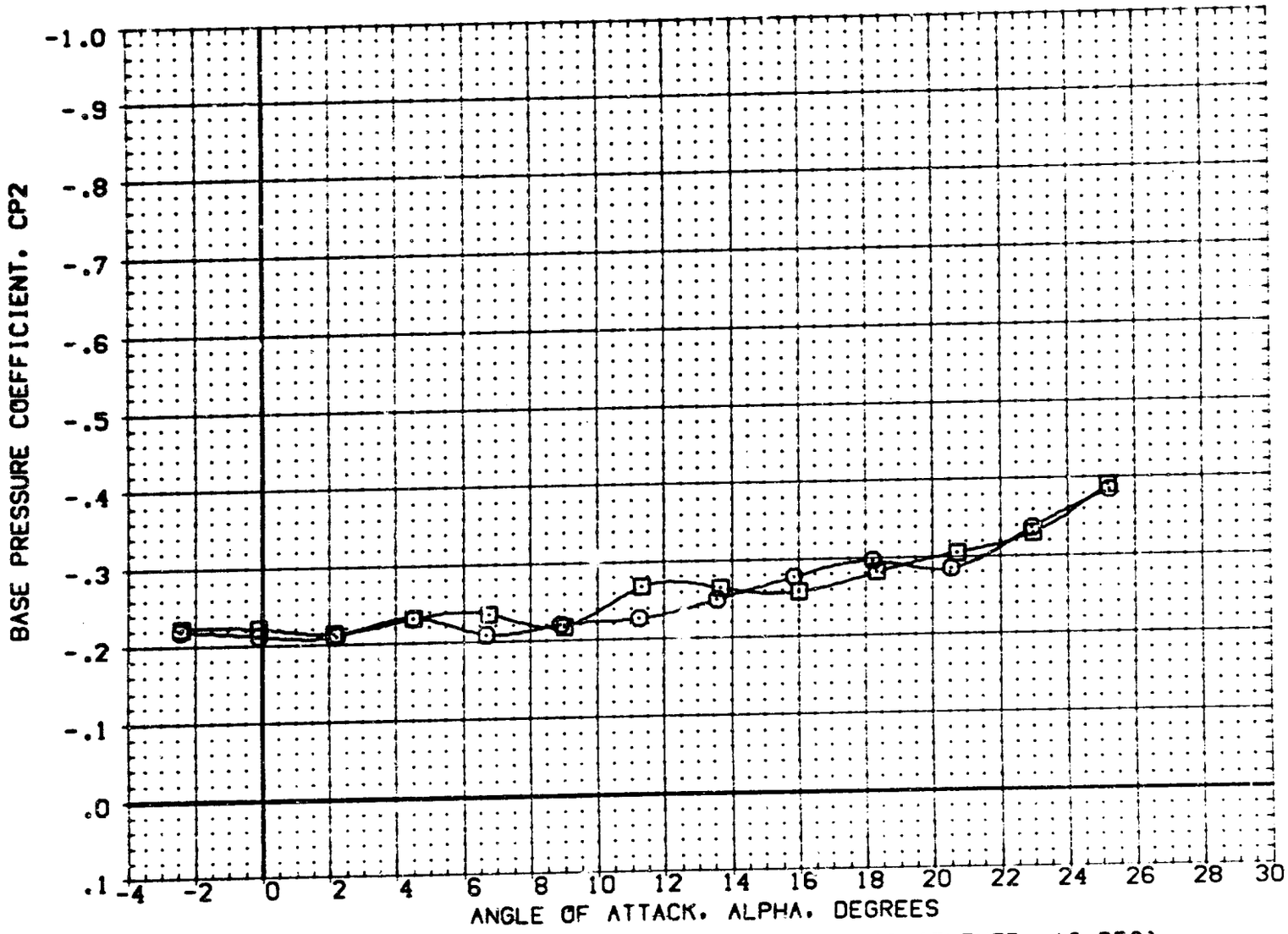


TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=-10 DEG)

(A)RN/L = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7006)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	-10.000	.000	1.000	.000
(NP7003)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS	-10.000	.000	1.000	6.820

REFERENCE INFORMATION		
SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



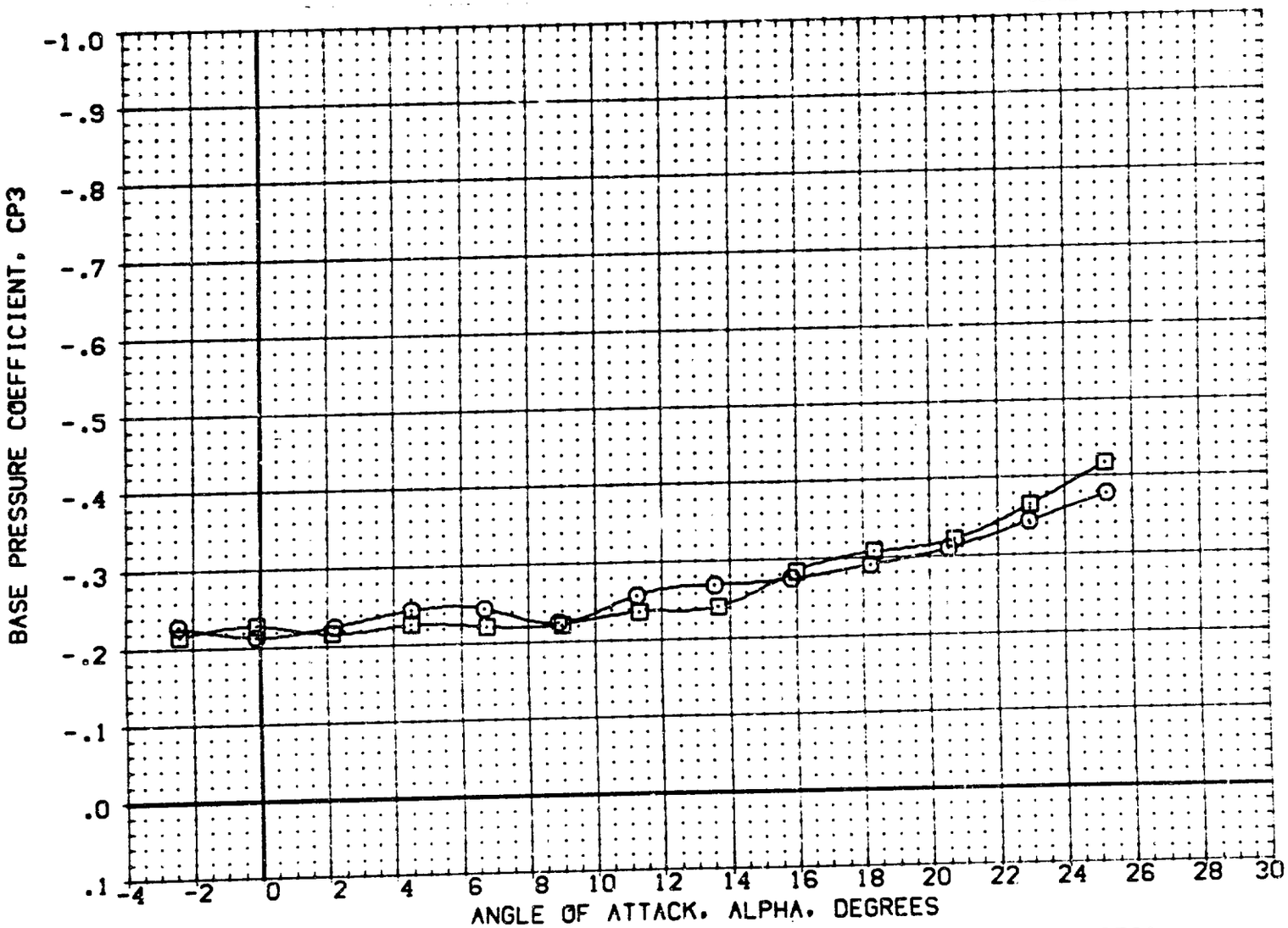
TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=-10 DEG)

(A)RN/L = 6.00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7006)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	-10.000	.000	1.000	.000
(NP7003)	8	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	-10.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



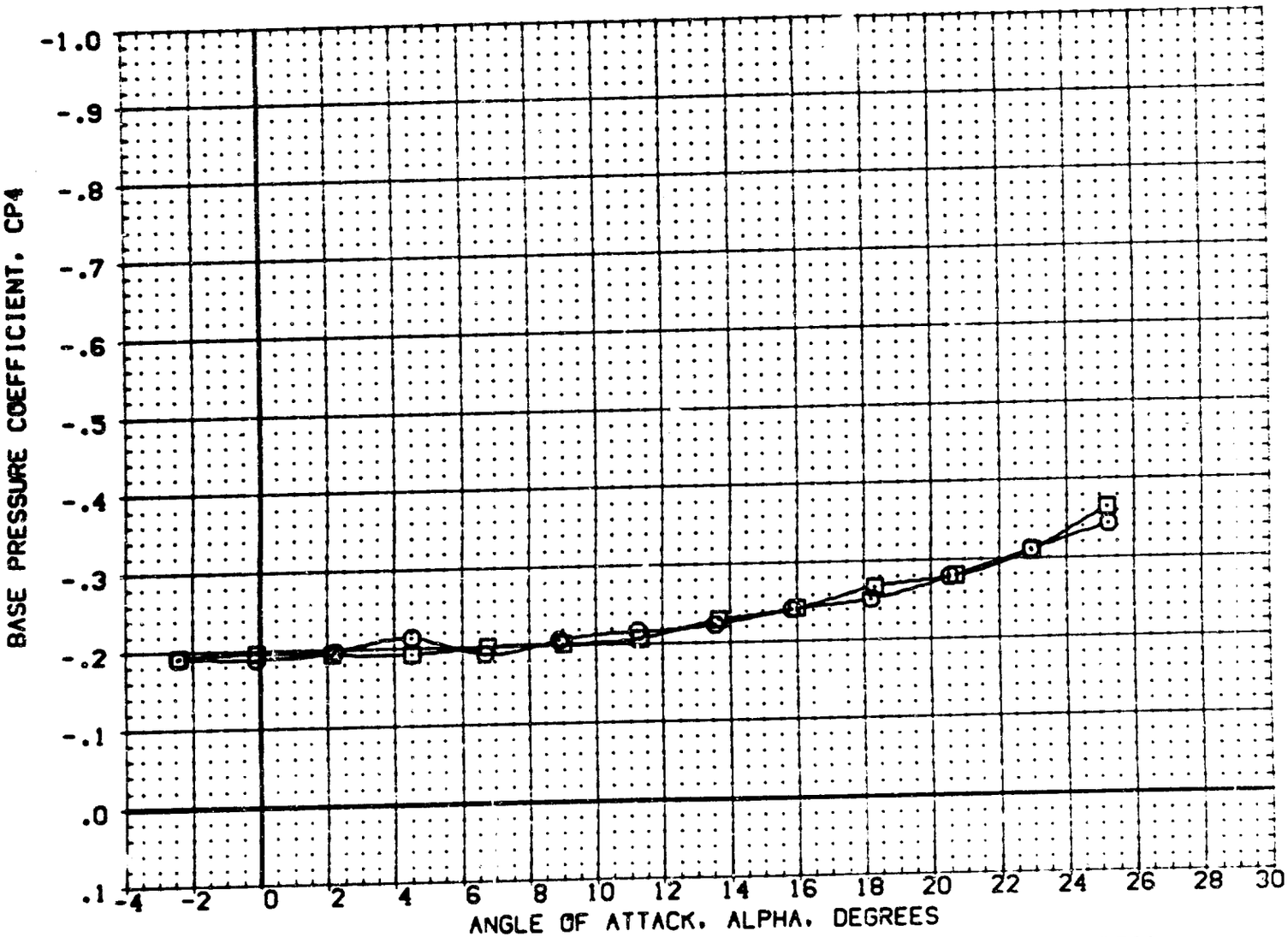
TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=-10 DEG)

(A)RN/L = 6.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVTR	RUDFLR	GT-LOC	K/L
(NP7006)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	-10.000	.000	1.000	.000
(NP7003)	LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +0MS	-10.000	.000	1.000	6.820

REFERENCE INFORMATION

SREF	136.1808	SQ.IN.
LREF	8.9025	INCHES
BREF	17.5628	INCHES
XMRP	15.9638	INCHES
YMRP	.0000	INCHES
ZMRP	.0000	INCHES
SCALE	.0188	SCALE



TYPICAL BASE PRESSURE COEFFICIENTS WITH ROUGHNESS (ELEVTR=-10 DEG)

(A)RN/L = 6.00

APPENDIX

TABULATED SOURCE DATA

Plotted data tabulations are
available from DMS on request.

DATE 12 SEP 7 TABULATED SOURCE DATA LTPT-130/139 PAGE 1

LA-0 LARC LTPT 130 MAR 0000-0020. NOSE +7.0 (RPT001) (24 JUN 73)

REFERENCE DATA

SREF = 130.1000 SQ.IN. XREF = 15.8650 INCHES
LREF = 8.9000 INCHES YREF = .0000 INCHES
BREF = 17.9000 INCHES ZREF = .0000 INCHES
SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .252
ELEVTR = .000 RUDDLR = .000
GT-LOC = 1.000 K/L = .000

RUN NO. 6/ 0 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.474	-2.265	.00046	-.04183	.04990	-.01472	.00040	-.00896	.00758	-.03990	.05111	-.78062
2.478	-.084	.00089	.05073	.04943	-.01016	.00039	-.00895	.00758	.05082	.04935	1.02976
2.480	2.107	.00099	.19791	.04797	-.00727	.00038	-.00902	.00563	.15804	.05374	2.90358
2.471	4.313	.00074	.26523	.04139	-.00651	.00001	-.00897	.00698	.25937	.06106	4.24750
2.479	6.462	.00091	.36249	.03104	-.00516	.00014	-.00886	.00834	.35669	.07164	4.97913
2.481	8.985	.00091	.46742	.01843	.00004	.00002	-.00867	.00862	.45942	.08806	5.21684
2.473	10.799	.00058	.56512	.00553	.00456	.00056	-.00276	.00671	.57378	.11476	4.99961
2.470	12.966	.00052	.71361	-.00825	.00579	.00040	-.00317	.00800	.69717	.15248	4.57227
2.476	15.233	.00032	.86309	-.01778	-.00026	.00081	-.00284	.00558	.83744	.20962	3.99505
2.470	17.427	.00107	1.00539	-.00818	-.00505	.00193	-.00218	.00400	.96169	.29331	3.27878
2.476	19.682	-.00118	1.18[illegible]	.00620	-.02326	.00125	-.00173	.00749	1.11195	.40432	2.75013
2.488	21.905	-.00112	1.3344	.00721	-.02267	-.00049	-.00394	.01373	1.23545	.50453	2.44870
2.470	24.137	.00177	1.42278	.00501	-.00120	.00512	-.00128	-.00023	1.29634	.58638	2.21074
2.483	26.054	.00271	1.42179	.00917	.03450	.00472	-.00191	-.00058	1.27328	.63271	2.01241
2.474	27.484	-.00578	1.34206	.02944	.06864	-.01060	-.00003	.01305	1.17237	.65388	1.79293
	GRADIENT	.00007	.04664	-.00118	.00125	-.00005	-.00001	-.00013	.04575	.00156	.77333

RUN NO. 5/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.063	-2.276	.00518	-.04869	.04798	-.01797	.00030	-.00352	.00368	-.04675	.04987	-.93737
4.061	-.019	.00474	.05289	.04902	-.01249	.00052	-.00338	.00377	.05291	.04900	1.07985
4.074	2.158	.00455	.15666	.04660	-.00987	.00007	-.00339	.00409	.15479	.05253	2.94680
4.062	4.419	.00430	.26281	.03986	-.00737	-.00015	-.00331	.00409	.25896	.05999	4.31664
4.062	6.605	.00343	.36454	.02937	-.00575	-.00016	-.00318	.00485	.35874	.07111	5.04516
4.064	8.829	.00502	.47477	.01571	-.00115	.00004	-.00320	.00291	.46673	.08839	5.28012
4.062	11.071	.00428	.58953	.00085	.00438	.00016	-.00315	.00367	.57839	.11405	5.07154
4.064	13.280	.00393	.7 899	-.01352	.00606	.00091	-.00321	.00420	.70287	.15200	4.62415
4.047	15.609	00486	.87106	-.02506	.00051	.00054	-.00314	.00272	.84664	.21051	4.02191
4.066	17.889	.00625	1.00706	-.02685	-.00204	.00266	-.00361	.00230	.96662	.28380	3.40597
4.065	20.101	.00214	1.13997	-.00908	-.00942	.00308	-.00104	.00019	1.07365	.38326	2.80135
4.074	22.468	.00[illegible]9	1 33271	-.00562	-.02603	-.00203	-.00144	-.00032	1.23370	.50413	2.44721
4.057	24.630	.00125	1.[illegible]415	- 00567	-.00935	-.00188	-.00408	.01003	1.31513	.59670	2.20399
4.058	26.691	.00242	1.43971	.00329	.03171	-.00197	-.00472	.01025	1.28482	.64963	1.97779
4.059	28.474	-.00313	1.29791	.02671	.07113	-.00862	-.00337	.01397	1.12722	.64402	1.75029
	GRADIENT	-.00013	.04664	-.00120	.00155	-.00008	.00003	.00007	.04577	.00152	.79170

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RPT001) (24 JUN 73)

REFERENCE DATA

SREF = 136.1630 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.9626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .252
ELEVTR = .000 RUDFLR = .000
GY-LOC = 1.000 R/L = .000

RUN NO. 4/ 5 RN/L = 5.96 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.023	-2.348	.01626	-.05411	.04764	-.01975	.00028	-.00384	-.00253	-.05211	.04982	-1.04597
6.006	-.050	.01601	.04775	.04880	-.01458	.00008	-.00395	-.00205	.04780	.04875	.98037
5.994	2.256	.01585	.15748	.04613	-.01093	.00018	-.00398	-.00191	.15554	.05230	2.97405
6.002	4.516	.01528	.26543	.03871	-.00848	-.00013	-.00384	-.00179	.26156	.05949	4.39705
6.026	6.745	.01528	.37098	.02744	-.00560	-.00014	-.00369	-.00215	.36519	.07082	5.15546
6.009	9.070	.01571	.48909	.01273	-.00174	-.00004	-.00371	-.00255	.48097	.08967	5.36373
6.009	11.321	.01559	.60395	-.00183	.00311	.00025	-.00375	-.00241	.59253	.11673	5.07496
6.007	13.680	.01542	.73997	-.01753	.00250	.00103	-.00382	-.00214	.72312	.15797	4.57754
5.991	16.028	.01641	.89422	-.02689	-.00496	.00080	-.00408	-.00244	.86689	.22106	3.92154
6.004	18.389	.01753	1.03589	-.02708	-.00809	.00425	-.00333	-.00359	.99151	.30119	3.29200
5.986	20.630	.01489	1.15464	-.01472	-.00880	.00266	-.00233	-.00636	1.08578	.39304	2.76254
5.984	23.177	.01644	1.36373	-.00833	-.02744	-.00563	-.00105	-.01153	1.25695	.52907	2.37569
5.992	25.409	.02965	1.44889	-.01001	-.02199	.00836	-.00057	-.02501	1.31303	.61264	2.14324
5.986	27.268	.04593	1.38891	.00436	.03655	.01978	-.00818	-.01811	1.23079	.63929	1.92523
5.984	29.019	.01787	1.24312	.05179	.07430	-.00138	-.00896	.00926	1.07167	.63077	1.69399
	GRADIENT	-.00019	.04664	-.00128	.00163	-.00005	-.00000	.00010	.04578	.00142	.80014

RUN NO. 1/ 0 RN/L = 8.25 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.344	-2.429	.00646	-.06690	.04729	-.01936	.00019	-.00372	.00521	-.06483	.05008	-1.29465
8.336	-.050	.00643	.04330	.04908	-.01[illegible]	.00014	-.00371	.00522	.04334	.04902	.88404
8.320	2.295	.00745	.15317	.04650	-.01195	-.00007	-.00377	.00602	.15119	.05260	2.87451
8.338	4.602	.00721	.26234	.03685	-.00919	-.00013	-.00367	.00589	.25887	.05981	4.32818
8.301	6.916	.00666	.37753	.02684	-.00656	-.00024	-.00364	.00613	.37136	.07208	5.15179
8.313	9.322	.00585	.49842	.01149	-.00127	-.00015	-.00341	.00601	.48997	.09206	5.32141
8.325	11.639	.00659	.61602	-.00372	.00255	.00026	-.00355	.00591	.60410	.12063	5.00776
8.309	14.083	.00593	.76311	-.01898	.00111	.00045	-.00354	.00642	.74479	.16727	4.45259
8.307	16.504	.00613	.93036	-.02498	-.00871	.00020	-.00356	.00620	.89913	.24034	3.74103
8.278	18.978	.00738	1.07985	-.02023	-.01103	.00328	-.00324	.00439	1.02774	.33204	3.09522
8.271	21.317	.01182	1.23062	-.00965	-.02123	.00094	-.00407	.00374	1.14993	.43837	2.62318
8.301	23.650	.00982	1.42032	-.00936	-.02646	.00082	-.00176	-.00156	1.30282	.56575	2.30283
8.238	26.100	.01995	1.46281	-.00844	.01305	.00856	-.00220	-.00746	1.31736	.63597	2.07142
8.246	27.823	.04455	1.41304	.00733	.04563	.01877	-.00711	-.01062	1.24626	.66600	1.87126
	GRADIENT	-.0 020	.04689	-.00118	.00144	-.00005	.00000	.00012	.04603	.00139	.80507

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7001) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.252
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 2/ 0 RN/L = 9.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
10.143	-2.465	.01157	-.06076	.04714	-.01873	.00023	-.00362	.00454	-.05867	.04971	-1.18043
10.167	-.019	.01041	.05143	.04903	-.01475	.00014	-.00364	.00522	.05145	.04903	1.04931
10.093	2.375	.00812	.16462	.04583	-.01118	-.00001	-.00359	.00617	.16258	.05261	3.09045
10.075	4.746	.00852	.27730	.03726	-.00810	-.00011	-.00351	.00571	.27333	.06008	4.54952
10.096	7.418	.00708	.40839	.02267	-.00486	-.00022	-.00329	.00583	.40205	.07520	5.34615
[illegible].122	9.597	.00656	.51682	.00883	-.00107	-.00007	-.00319	.00582	.50812	.09487	5.35530
[illegible].118	12.032	.00651	.64613	-.00708	.00300	.00024	-.00325	.00601	.63341	.12777	4.95755
10.086	14.546	.00782	.80537	-.02077	-.00150	.00087	-.00421	.00803	.78477	.18216	4.30806
10.053	17.178	.00842	.97990	-.02107	-.01040	.00159	-.00400	.00708	.94242	.26925	3.50020
10.071	19.580	.01136	1.12434	-.00839	-.01620	-.00112	-.00467	.00745	1.06231	.36841	2.88351
9.388	22.209	.01120	1.33471	-.00922	-.02852	-.00010	-.00377	.00483	1.23918	.49596	2.49856
	GRADIENT	-.00048	.04693	-.00136	.00147	-.00005	.00002	.00019	.04608	.00144	.80083

RUN NO. 3/ 0 RN/L = 11.63 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
11.721	-2.447	.01045	-.05996	.04663	-.01863	.00026	-.00350	.00512	-.05791	.04914	-1.17839
11.713	.007	.00905	.05144	.04843	-.01454	.00016	-.00353	.00587	.05143	.04843	1.06195
11.694	2.374	.00730	.16470	.04542	-.01102	-.00003	-.00353	.00669	.16268	.05221	3.11599
11.685	4.836	.00643	.28244	.03680	-.00828	-.00007	-.00343	.00679	.27835	.06028	4.61741
11.678	7.261	.00562	.40061	.02323	-.00514	-.00017	-.00327	.00671	.39446	.07367	5.35423
11.668	9.739	.00572	.52388	.00751	-.00066	.00000	-.00319	.00643	.51506	.09602	5.36428
11.622	12.252	.00498	.65598	-.00907	.00315	.00030	-.00330	.00707	.64296	.13035	4.93267
11.666	14.825	.00862	.82551	-.02008	-.00409	.00136	-.00577	.01244	.80317	.19181	4.18739
11.607	17.434	.01049	.99495	-.01488	-.01098	-.00087	-.00591	.01187	.95370	.28389	3.35936
11.610	20.107	.01169	1.18944	-.00738	-.02563	-.0006[illegible]	-.00463	.00759	1.11949	.40196	2.78504
11.623	21.370	.01079	1.28408	-.00813	-.02903	.00111	-.00413	.00656	1.19875	.46033	2.60410
11.593	22.674	.00794	1.37363	-.00834	-.02939	.00397	-.00399	.00752	1.27068	.52181	2.43512
11.628	23.810	.00311	1.40247	-.00895	-.01057	.00247	-.00404	.01006	1.28671	.55800	2.[illegible]0594
	GRADIENT	-.00057	.04709	-.00137	.00143	-.00005	.00001	.00024	.04625	.00154	.80262

LA-8 LARC LTPT 130 MAR 0898-MOD. NOSE +ORS (RPT002) (24 JUN 73)

REFERENCE DATA

SREF = 136.1868 SQ.IN. XMRP = 15.9638 INCHES
LREF = 9.0025 INCHES YMRP = .0000 INCHES
BREF = 17.9686 INCHES ZMRP = .0000 INCHES
SCALE = .0138 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .251
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 6.820

RUN NO. 10/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.544	-2.128	.00185	-.05648	.03190	-.01805	.00007	-.00293	.00502	-.05451	.05396	-1.01022
2.535	.075	.00110	.03617	.06197	-.01491	.00009	-.00245	.00477	.03609	.06202	.61416
2.540	2.258	.00218	.13999	.06800	-.01136	-.00009	-.00309	.00441	.13720	.07346	1.86761
2.536	4.451	.00201	.24240	.07091	-.00754	.00004	-.00312	.00480	.23617	.08951	2.63843
2.532	6.565	.00215	.33808	.07000	-.00475	.00039	-.00301	.00420	.32685	.10831	3.03621
2.528	8.758	.00235	.45766	.06867	-.00469	.00074	-.00334	.00429	.44189	.13756	3.21244
2.533	11.097	.00236	.56820	.06625	-.00394	.00099	-.00388	.00624	.56249	.17784	3.16298
2.524	13.131	.00370	.71992	.06802	-.00863	.00104	-.00548	.00795	.68564	.22978	2.98378
2.527	15.385	.00406	.85002	.07368	-.00879	.00099	-.00566	.00768	.79996	.29674	2.69584
2.531	17.495	.00468	.97514	.08476	-.01274	.00338	-.00574	.00652	.90456	.37399	2.41870
2.526	19.773	.00411	1.14096	.09570	-.01913	-.00056	-.00536	.00653	1.04131	.47605	2.16741
2.539	21.986	.00232	1.26820	.10388	-.01522	-.00298	-.00632	.01315	1.13450	.56959	1.99177
2.535	24.051	-.00020	1.32720	.11500	.00792	-.01222	-.00793	.02317	1.16519	.64595	1.80365
2.524	26.049	.00056	1.28592	.13572	.04324	-.00895	-.00567	.01497	1.09570	.68663	1.59578
2.534	27.666	-.00133	1.20419	.15504	.07229	-.00757	-.00316	.01205	.99209	.69991	1.41745
	GRADIENT	.00010	.04552	.00268	.00160	-.00001	-.00006	-.00005	.04430	.00539	.55662

RUN NO. 9/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.037	-2.173	.00386	-.06064	.05501	-.01468	.00001	-.00365	.00449	-.05851	.05727	-1.02168
4.039	.013	.00510	.03652	.06137	-.01121	.00000	-.00337	.00332	.03651	.06138	.59475
4.018	2.259	.00494	.13989	.06474	-.00812	-.00010	-.00340	.00355	.13702	.07020	1.95192
4.029	4.373	.00485	.23586	.06336	-.00453	.00001	-.00335	.00355	.23034	.08116	2.83816
4.036	6.684	.00501	.34599	.05884	-.00101	.00052	-.00336	.00339	.33679	.09871	3.41190
4.030	8.940	.00575	.46183	.05350	.00033	.00069	-.00373	.00346	.44790	.12462	3.59418
4.024	11.143	.00612	.56985	.04839	-.00034	.00102	-.00455	.00529	.56938	.16147	3.52613
4.016	13.440	.00714	.73475	.04605	-.00565	.00116	-.00595	.00793	.70392	.21556	3.26551
4.032	15.694	.00739	.86866	.04845	-.00811	-.00010	-.00642	.00897	.82319	.28162	2.92302
4.033	17.920	.00902	1.00903	.05652	-.00991	.00296	-.00636	.00661	.94269	.36425	2.58804
4.014	20.270	.00768	1.17292	.06609	-.01634	-.00109	-.00574	.00638	1.07739	.46835	2.30037
4.035	22.431	.00517	1.28291	.07140	-.00676	-.00593	-.00705	.01343	1.15860	.55551	2.08566
4.026	24.510	.00556	1.31439	.08037	.02467	-.00649	-.00677	.01201	1.16261	.61841	1.87999
4.018	26.565	-.00218	1.25366	.10093	.05764	-.01229	-.00462	.01620	1.07617	.65092	1.65331
	GRADIENT	.00013	.04536	.00131	.00156	-.00000	-.00002	-.00012	.04419	.00367	.59170

LA-9 LARC LTPT 130 NAR 0896-MOD. NOSE +ONS (RP7002) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5698 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.251
ELEVTR =	.000	RUDDER =	.000
GT-LOC =	1.000	K/L =	0.820

RUN NO. 6/ 0 RN/L = 8.07 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
8.128	-2.169	.00475	-.05952	.05581	-.01534	.00020	-.00320	.00524	-.05736	.05802	-.98866
8.101	.130	.00521	.04295	.06128	-.01056	.00019	-.00319	.00475	.04281	.06138	.69750
8.119	2.338	.00469	.14153	.06195	-.00704	.00011	-.00326	.00524	.13888	.06767	2.05248
8.106	4.641	.00535	.25113	.05879	-.00306	.00017	-.00324	.00475	.24552	.07900	3.10774
8.113	6.931	.00532	.35916	.05279	.00025	.00047	-.00324	.00478	.35017	.09573	3.65782
8.119	9.245	.00550	.47940	.04478	.00143	.00089	-.00345	.00524	.45758	.12122	3.84422
8.020	11.533	.00787	.60707	.03725	.00064	.00134	-.00449	.00633	.58737	.15787	3.72063
8.080	13.926	.00936	.76082	.03326	-.00582	.00162	-.00611	.00944	.73045	.21539	3.39124
8.100	16.221	.01141	.90477	.03393	-.00961	-.00022	-.00756	.01178	.85927	.28531	3.01169
8.131	18.629	.01272	1.05378	.04129	-.01164	.00190	-.00711	.00939	.98536	.37574	2.62245
8.135	20.905	.01247	1.20322	.04953	-.01308	.00114	-.00606	.00653	1.10654	.47561	2.32613
8.101	23.135	.00228	1.31153	.05412	.00205	-.00824	-.00806	.02111	1.18479	.56507	2.09673
8.067	25.482	.00229	1.50800	.06614	.03555	-.00934	-.00567	.01418	1.15217	.62272	1.85022
	GRADIENT	.00008	.04541	.00042	.00178	-.00001	-.00001	-.00004	.04427	.00305	.60093

RUN NO. 7/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
8.084	-2.244	.00898	-.06618	.05627	-.01699	.00014	-.00345	.00420	-.06592	.05890	-1.11921
8.086	.108	.00818	.03777	.06102	-.01151	.00008	-.00343	.00481	.03766	.06109	.61635
8.072	2.433	.00736	.14294	.06105	-.00739	.00000	-.00349	.00530	.14022	.06706	2.09105
8.077	4.758	.00721	.25182	.05675	-.00390	-.00003	-.00345	.00531	.24604	.07743	3.17772
8.073	7.155	.00742	.36782	.04924	-.00012	.00027	-.00339	.00496	.35886	.09454	3.79589
8.055	9.442	.00879	.48766	.04026	.00129	.00079	-.00384	.00536	.47445	.11971	3.96329
8.044	11.819	.01066	.62810	.03119	-.00032	.00145	-.00505	.00759	.63812	.16024	3.79496
8.052	14.275	.01452	.79187	.02660	-.00651	.00166	-.00708	.01036	.75117	.21856	3.43687
8.050	16.643	.01622	.92934	.02789	-.01025	-.00059	-.00776	.01165	.88262	.29295	3.01269
8.053	19.124	.01786	1.08155	.03388	-.01218	-.00035	-.00838	.01227	1.01076	.38654	2.61625
8.020	21.552	.01488	1.23964	.04271	-.01458	.00142	-.00666	.00915	1.13728	.49510	2.29710
8.020	23.792	-.00014	1.32139	.04690	.00654	-.00989	-.00849	.02445	1.19017	.57599	2.06630
	GRADIENT	-.00026	.04562	.00007	.00178	-.00003	-.00000	.00017	.04450	.00264	.61581

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS (RP7003) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .249
ELEVTR = -10.000 RUDFLR = .000
GT-LOC = 1.000 K/L = 6.820

RUN NO. 15/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.561	-2.211	.00259	-.15622	.04770	.03754	-.00003	-.00307	.00350	-.15427	.05369	-2.87308
2.566	-.060	.00119	-.09082	.05753	.04307	.00000	-.00275	.00540	-.09078	.05783	-1.57457
2.561	2.096	.00135	.00720	.06570	.04495	.00004	-.00286	.00546	.00479	[illegible]	.07267
2.548	4.254	.00172	.10526	.06929	.05056	.00000	-.00294	.00487	.09983	.07691	1.29793
2.546	6.414	.00216	.20564	.06962	.05363	.00019	-.00304	.00426	.19657	.09215	2.13312
2.555	8.575	.00214	.31287	.06827	.05737	.00046	-.00292	.00394	.29919	.11416	2.62077
2.556	10.675	.00240	.43545	.06682	.05734	.00052	-.00333	.00458	.41502	.14778	2.80847
2.550	12.988	.00304	.56570	.06691	.05336	.00146	-.00447	.00479	.53619	.19234	2.78774
2.542	15.161	.00429	.69783	.07301	.05220	.00153	-.00521	.00586	.65445	.25297	2.58708
2.548	17.364	.00345	.82798	.07895	.05288	.00376	-.00484	.00654	.76668	.32246	2.37761
2.542	19.587	.00438	.96978	.08777	.04326	.00097	-.00451	.00552	.90308	.41451	2.17864
2.548	21.791	.00465	1.13578	.09599	.03898	.00154	-.00580	.00656	1.01899	.51075	1.99507
2.554	23.956	.00115	1.22450	.10683	.05850	-.00957	-.00822	.02107	1.07561	.59486	1.80817
2.545	26.008	.00322	1.22907	.12322	.08323	-.00569	-.00538	.00627	1.05058	.64968	1.61706
	GRADIENT	-.00011	.04095	.00338	.00190	.00001	.00001	.00019	.03981	.00[illegible]2	.65708

RUN NO. 12/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.165	[illegible].362	.00616	-.19780	.04974	.03678	.00002	-.00357	.00257	-.19558	.05784	-3.38125
4.152	-.129	.00599	-.09802	.05802	.04112	.00010	-.00352	.00262	-.09789	.05824	-1.68083
4.144	2.134	.00662	.00232	.06248	.04510	.00007	-.00354	.00185	-.00001	.06252	-.00015
4.156	4.306	.00531	.10323	.06242	.04835	.00006	-.00336	.00301	.09825	.07005	1.40358
4.160	6.539	.00646	.20813	.05864	.05301	.00032	-.00360	.00204	.20010	.08196	2.44160
4.148	8.741	.00644	.31578	.05466	.05602	.00052	-.00356	.00209	.30380	.10202	2.97801
4.144	11.031	.00722	.44010	.04962	.05714	.00035	-.00392	.00209	.42247	.13291	3.17865
4.149	13.329	.00872	.5821[illegible]	.04604	.05315	.00160	-.00508	.00346	.55585	.17900	3.10523
4.132	15.585	.00970	.7182	.04858	.05208	.00117	-.00621	.00540	.67879	.23977	2.83102
4.145	17.760	.01027	.851[illegible]	.05186	.05057	.00429	-.00622	.00455	.79548	.30924	2.57235
4.139	20.020	.01000	1.07[illegible]1	.05670	.04390	.00114	-.00510	.00165	.92600	.39775	2.32607
4.154	22.406	.01005	1.1614[illegible]	.06290	.04291	.00077	-.00609	.00424	1.04978	.50090	2.09579
4.141	24.491	.00936	1.21865	.07237	.06798	-.00512	-.00757	.00919	1.07901	.57104	1.88955
4.151	26.450	.00858	1.20766	.08591	.09170	-.00414	-.00561	.00433	1.04298	.61482	1.69639
	GRADIENT	-.00008	.04506	.00191	.00174	.00000	.00003	.00002	.04398	.00183	.72033

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7003) (24 JUN 73)

REFERENCE DATA

SREF = 136.1806 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5626 INCHES ZMRP = .0000 INCHES
SCALE = .0166 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .245
ELEVTR = -10.000 RUDFLR = .000
GT-LOC = 1.000 K/L = 8.820

RUN NO. 11/ 0 RN/L = 5.95 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.995	-2.400	.00656	-.20083	.05101	.03802	-.00004	-.00333	.00429	-.20455	.05963	-3.42990
5.953	-.126	.00569	-.10393	.05777	.04248	.00004	-.00327	.00476	-.10571	.05800	-1.82230
5.994	2.140	.00698	-.00295	.06019	.04678	.00006	-.00350	.00443	-.00519	.05997	-.08651
5.954	4.492	.00693	.10656	.05646	.05174	.00003	-.00340	.00410	.10167	.06663	1.52598
5.989	6.755	.00730	.21600	.05252	.05546	.00024	-.00340	.00384	.20833	.07756	2.68584
5.953	9.000	.00754	.32568	.04607	.05815	.00044	-.00350	.00389	.31446	.09645	3.26029
5.969	11.323	.00712	.44997	.03865	.05943	.00023	-.00368	.00473	.43362	.12626	3.43434
5.948	13.671	.01077	.60262	.03411	.05406	.00195	-.00535	.00644	.57749	.17557	3.28929
5.941	15.999	.01338	.73746	.03395	.05387	-.00049	-.00736	.00996	.69954	.23588	2.96561
5.930	18.346	.01350	.8660.	.03692	.04992	.00298	-.00541	.00416	.83125	.31457	2.64248
5.935	20.751	.01493	1.05544	.04161	.04379	.00250	-.00497	.00137	.97223	.41266	2.35485
5.934	12.977	.01118	1.17054	.04649	.05028	-.00222	-.00735	.01151	1.05953	.49973	2.12022
5.932	25.226	.01164	1.21990	.05530	.07760	-.00461	-.00678	.00943	1.07999	.56995	1.89490
	GRADIENT	.00010	.04547	.00107	.00198	.00001	-.00002	-.00004	.04443	.00101	.72362

LA-8 LARC LTPT 130 NAR 0868-MOD. NOSE +CMS (RP7004) (24 JUN 73)

REFERENCE DATA

SREF = 136.1800 SQ.IN. XMRP = 15.9688 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5020 INCHES ZMRP = .0000 INCHES
SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .252
ELEVTR = .000 RUDFLR = .000
CT-LOC = 3.000 K/L = 6.020

RUN NO. 19/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.488	-2.138	.00125	-.05882	.04707	-.01876	-.00042	-.00185	.00277	-.05448	.04911	-1.10893
2.478	.097	.00122	.04992	.05679	-.01438	-.00040	-.00186	.00260	.04583	.03687	.80581
2.484	2.278	.00090	.13284	.06257	-.01068	.00001	-.00151	.00332	.15025	.06859	2.19020
2.480	4.415	.00018	.23183	.06430	-.00764	.00045	-.00128	.00329	.24594	.08348	2.94608
2.481	6.556	.00190	.33471	.06533	-.00717	.00150	-.00162	.00153	.34519	.10329	3.34195
2.480	8.703	.00804	.43996	.06806	-.00920	.00189	-.00144	-.00003	.44557	.12897	3.45462
2.486	10.867	.00128	.57779	.05576	-.00116	.00132	-.00094	-.00135	.55859	.16466	3.38033
2.478	15.114	.00844	.70813	.05277	-.00200	.00088	-.00009	-.00487	.67867	.21229	3.19689
2.475	15.350	.00974	.69653	.05456	-.00517	.00916	.00080	-.00964	.61129	.27945	2.90522
2.487	17.[illegible]	.00710	.95773	.07364	-.00285	.00929	-.00399	-.00562	.69086	.35934	2.47918
2.468	19.884	.00179	1.10389	.08724	-.01204	.01641	-.00826	-.00731	1.00853	.45294	2.22222
2.477	21.984	.01371	1.24881	.09777	-.01891	.00885	-.00973	-.00186	1.14757	.56824	2.01953
2.471	24.245	.01708	1.41277	.10175	-.01107	.01088	-.01125	-.00546	1.24640	.67287	1.85235
2.479	26.139	.02133	1.36952	.11470	.02948	.00977	-.01485	-.00474	1.20586	.71954	1.67588
2.476	28.010	.02252	1.29435	.14147	.06886	.00744	-.01846	.00214	1.07630	.73275	1.46886
	GRADIENT	-.00018	.04736	.00265	.00170	.00014	.00008	.00011	.04624	.00327	.62377

RUN NO. 20/ 0 RN/L = 3.92 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
3.925	-2.142	.00206	-.05223	.04960	-.01916	-.00027	-.00209	.00338	-.05033	.05172	-.97316
3.920	.115	.00112	.05020	.05612	-.01388	-.00040	-.00181	.00378	.05009	.05623	.89090
3.923	2.289	.00251	.13254	.05892	-.01044	-.00004	-.00231	.00343	.15002	.06507	2.30554
3.925	4.413	.00185	.23057	.05705	-.00760	.00041	-.00182	.00313	.25514	.07782	3.27852
3.930	6.722	.00120	.35960	.05160	-.00487	.00130	-.00145	.00266	.35106	.09354	3.75312
3.917	9.030	.00239	.47687	.04528	-.00185	.00175	-.00140	.00096	.46383	.11963	3.87713
3.915	11.179	.00210	.59039	.03742	.00067	.00103	-.00078	-.00051	.57194	.15118	3.78314
3.917	13.442	.00241	.72919	.03009	.00010	.00092	-.00010	-.00283	.70222	.19877	3.53278
3.913	15.683	.00467	.86771	.02856	-.00486	.00369	.00048	-.00748	.82768	.26206	3.15842
3.926	17.973	.00927	.98804	.03487	-.00370	.01000	-.00018	-.01164	.92907	.33805	2.74831
3.912	20.067	.01471	1.10884	.05153	-.00760	.01013	-.00351	-.00944	1.02362	.42940	2.38385
3.926	22.472	.02116	1.26966	.05850	-.02026	.00622	-.00305	-.01363	1.16845	.54662	2.13760
3.923	24.693	.02856	1.40719	.06312	-.00269	.00998	-.01004	-.00701	1.25253	.64448	1.94355
3.915	26.631	.03045	1.36544	.08224	.04070	.00613	-.01370	-.00249	1.18311	.68660	1.72314
	GRADIENT	.00001	.04630	.00109	.00170	.00011	.00001	-.00005	.04521	.00388	.63010

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7004) (24 JUN 73)

REFERENCE DATA

SREF = 157.1338 SQ.IN. XMRP = 15.9658 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5626 INCHES ZMRP = .0000 INCHES
SCALE = .0168 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 3.000 K/L = 6.820

RUN NO. 21/ 0 RN/L = 5.77 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.772	-2.165	.00243	-.04732	.05105	-.01693	-.00023	-.00199	.00360	-.04836	.05281	-.85894
5.778	.129	.00121	.05469	.05586	-.01428	-.00025	-.00181	.00415	.05457	.05599	.97465
5.783	2.354	.00117	.19172	.05612	-.01071	.00011	-.00177	.00407	.15528	.06256	2.48235
5.782	4.584	.00209	.26674	.05260	-.00705	.00049	-.00189	.00306	.26154	.07425	3.52231
5.786	6.998	.00136	.37920	.04521	-.00366	.00132	-.00134	.00265	.37087	.09107	4.07241
5.781	9.206	.00252	.48754	.03629	-.00066	.00187	-.00119	.00124	.47545	.11382	4.17718
5.789	11.479	.00397	.60715	.02630	.00188	.00148	-.00087	-.00094	.58978	.14661	4.02280
5.785	13.632	.00541	.75161	.01714	-.00198	.00176	-.00057	-.00309	.72572	.19633	3.69638
5.781	16.142	.00784	.89704	.01625	-.00595	.00431	.00003	-.00701	.85716	.26501	3.23447
5.786	18.509	.01517	1.04468	.02178	-.00868	.00981	.00007	-.01377	.98373	.35230	2.79232
5.784	20.824	.02063	1.19522	.03512	-.01713	.00478	-.00314	-.00966	1.10466	.45773	2.41336
5.785	23.210	.03790	1.35695	.03936	-.01744	.00995	-.00477	-.02020	1.23161	.57096	2.15710
5.775	25.349	.04931	1.39296	.04513	.01821	.01569	-.00860	-.02057	1.23952	.63716	1.94539
	GRADIENT	-.00005	.04584	.00021	.00172	.00011	.00004	- 00008	.04480	.00311	.64209

RUN NO. 22/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.715	-2.245	.00311	-.05241	.05120	-.01674	-.00044	-.00185	.00331	-.05036	.05321	-.94638
7.696	.145	.00236	.05431	.05557	-.01433	-.00020	-.00174	.00348	.05417	.05581	.97059
7.678	2.429	.00247	.16080	.05568	-.01089	.00012	-.00177	.00346	.15829	.06245	2.53475
7.708	4.815	.00264	.27200	.05029	-.00701	.00064	-.00181	.00292	.26662	.07294	3.65809
7.682	7.155	.00377	.38510	.04144	-.00351	.00160	-.00143	.00185	.37694	.08909	4.23105
7.704	9.450	.00470	.50008	.03109	-.00123	.00224	-.00117	.00032	.48819	.11277	4.32903
7.700	11.918	.00525	.63441	.01999	.00117	.00172	-.00053	-.00191	.61661	.15057	4.09516
7.700	14.322	.00590	.78512	.01301	-.00459	.00194	.00089	-.00641	.75750	.20691	3.66275
7.687	16.687	.01178	.93828	.01427	-.00681	.00599	.00095	-.01049	.89467	.28308	3.16044
7.699	19.124	.01701	1.09900	.02163	-.00550	.00437	-.00079	-.00910	1.03126	.38048	2.71042
7.684	21.680	.03599	1.27934	.03120	-.02406	.00524	-.00415	-.01228	1.17749	.50119	2.34940
7.657	24.030	.06056	1.39810	.03290	-.00610	.01627	-.00600	-.02416	1.26171	.59856	2.10791
	GRADIENT	-.00006	.04603	-.00012	.00165	.00013	.00003	-.00005	.04500	.00281	.65550

LA-8 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS (RPT005) (24 JUN 78)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9838 INCHES
LREF = 8.3025 INCHES YMRP = .0000 INCHES
BREF = 17.5828 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .250
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 26/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.508	-2.155	.00338	-.03080	.04973	-.01806	.00087	-.00321	.00222	-.03900	.05125	-.76104
2.517	.063	.00564	.06311	.05930	-.01448	.00048	-.00515	.00159	.06202	.05989	1.05226
2.504	2.225	.00534	.15838	.06491	-.01124	.00047	-.00319	.00162	.15574	.07101	2.19325
2.509	4.367	.00284	.25283	.06662	-.00748	.00049	-.00273	.00196	.24704	.08568	2.88342
2.489	6.561	.00249	.36412	.06805	-.00374	.00061	-.00240	.00169	.35419	.10722	3.30344
2.532	8.852	.00318	.48242	.06357	-.00189	-.00005	-.00194	-.00089	.46689	.13705	3.40879
2.523	11.038	.00205	.60542	.06276	-.00564	.00023	-.00087	-.00170	.58220	.17751	3.27976
2.510	13.133	.00199	.73690	.06635	-.00512	.00287	-.00099	-.00130	.70255	.23205	3.02756
2.529	15.274	.00355	.86694	.07286	-.00598	.00424	-.00209	-.00134	.79784	.29334	2.71986
2.517	17.321	.00415	.97552	.09057	-.01105	.00821	-.00314	.00027	.90300	.38005	2.37601
2.490	19.719	.00432	1.15882	.09514	-.02404	.00575	-.00567	.00115	1.05877	.48055	2.20328
2.489	21.954	.00408	1.30639	.10033	-.02337	.00245	-.00461	.00427	1.17435	.58107	2.02102
2.675	24.106	.00162	1.39206	.11014	-.00034	-.00434	-.00647	.01493	1.22559	.66908	1.83190
2.481	26.082	.00013	1.30491	.13393	.04055	-.00835	-.00522	.00894	1.11315	.69400	1.60397
2.502	27.824	.00399	1.21352	.15526	.07076	-.00101	-.00619	.00875	1.00375	.70373	1.42208
	GRADIENT	-.00007	.04499	.00250	.00161	-.00001	.00006	-.00004	.04381	.00526	.55704

RUN NO. 25/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.115	-2.132	.00201	-.04743	.05239	-.01781	.00040	-.00302	.00315	-.04545	.05411	-.83983
4.141	.155	.00306	.05525	.05941	-.01429	.00045	-.00296	.00473	.05509	.05956	.92493
4.123	2.320	.00291	.15157	.06144	-.01105	.00034	-.00292	.00477	.14896	.06753	2.20597
4.119	4.528	.00222	.25474	.05922	-.00674	.00035	-.00262	.00477	.24927	.07915	3.14941
4.104	6.743	.00205	.36322	.05524	-.00330	.00047	-.00237	.00424	.35422	.09751	3.63273
4.095	8.947	.00120	.47284	.04982	-.00196	.00004	-.00173	.00346	.45934	.12274	3.74224
4.100	11.248	.00046	.61052	.04588	-.00513	.00014	-.00084	.00183	.58984	.16	3.59468
4.111	13.463	-.00003	.73575	.04525	-.00386	.00254	-.00095	.00277	.70499	.21530	3.27448
4.120	15.707	.00294	.86930	.05002	-.00528	.00277	-.00252	.00400	.82330	.28348	2.90425
4.099	17.996	.00460	.99704	.06330	-.01003	.00742	-.00207	.00229	.92871	.36825	2.52194
4.077	20.273	.00345	1.19177	.06326	-.02403	.00318	-.00344	.00552	1.09602	.47229	2.32055
4.041	22.546	.00107	1.32989	.06678	-.01833	-.00108	-.00470	.01203	1.20265	.57158	2.10409
3.981	24.597	.00267	1.35971	.07477	.01591	-.00072	-.00532	.01149	1.20521	.63395	1.90112
3.988	26.546	-.00511	1.30821	.09590	.04681	-.00913	-.00261	.01475	1.12744	.67045	1.68160
	GRADIENT	-.00009	.04528	.00102	.00165	-.00001	.00006	-.00005	.04416	.00375	.59891

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CMS (RPT005) (24 JUN 73)

REFERENCE DATA

SREF = 138.1803 SQ.IN. XMRP = 15.9636 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .250
ELEVTR = .000 RUDFLR = .000
CT-LOC = 1.000 K/L = 2.440

RUN NO. 24/ 0 RN/L = 5.94 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.036	-2.170	.00545	-.04925	.05326	-.01902	.00059	-.00316	.00433	-.04720	.05510	-.85646
6.133	.133	.00477	.05145	.05848	-.01443	.00033	-.00312	.00498	.05131	.05860	.87561
6.113	2.371	.00417	.15407	.03949	-.01062	.00031	-.00301	.00515	.15147	.06582	2.30146
6.150	4.715	.00428	.26154	.05514	-.00649	.00034	-.00280	.00448	.25613	.07645	3.35044
6.108	7.043	.00331	.37024	.04869	-.00353	.00040	-.00242	.00414	.36148	.09372	3.85713
6.058	9.158	.00316	.47833	.04171	-.00179	.00017	-.00204	.00314	.46559	.11730	3.96906
6.121	11.659	.00106	.62789	.03494	-.00380	.00001	-.00074	.00124	.60788	.16111	3.77307
6.120	13.909	.00212	.76205	.03352	-.00477	.00293	-.00155	.00259	.73165	.21572	3.39160
6.097	16.178	.00503	.89360	.03816	-.00635	.00269	-.00294	.00410	.84758	.28562	2.96752
6.045	18.426	.00706	1.03355	.04857	-.01339	.00653	-.00284	.00193	.96499	.37280	2.58847
6.045	20.950	.00490	1.23328	.04608	-.02638	.00160	-.00384	.00584	1.13545	.48360	2.34791
5.995	23.152	-.00014	1.33665	.04818	-.01053	-.00329	-.00513	.01482	1.21006	.56983	2.12354
5.956	25.361	.00369	1.36846	.05639	.02512	-.00091	-.00532	.01160	1.21242	.63710	1.90303
5.939	27.096	-.00734	1.27234	.08091	.05765	-.00756	-.00338	.01669	1.09584	.65155	1.68191
	GRADIENT	-.00018	.04521	.00024	.00181	-.00001	.00005	.00003	.04413	.00312	.61324

RUN NO. 23/ 0 RN/L = 7.77 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.752	-2.244	.00805	-.05263	.05436	-.01818	.00025	-.00323	.00408	-.05046	.05637	-.89506
7.857	.107	.00843	.05171	.05851	-.01441	.00024	-.00329	.00400	.05160	.05881	.88046
7.811	2.414	.00671	.15612	.05803	-.00993	.00021	-.00310	.00454	.15554	.06464	2.40635
7.805	4.793	.00610	.26591	.05322	-.00631	.00024	-.00287	.00426	.26054	.07525	3.46223
7.862	7.089	.00489	.37586	.04493	-.00237	.00026	-.00256	.00421	.36745	.09097	4.03921
7.777	9.405	.00515	.49435	.03644	-.00077	.00001	-.00204	.00247	.48175	.11674	4.12683
7.776	11.807	.00189	.63584	.02969	-.00382	-.00009	-.00067	.00067	.61631	.15916	3.87221
7.856	14.310	.00352	.78315	.02800	-.00428	.00331	-.00176	.00277	.75193	.22071	3.40687
7.822	16.627	.00817	.92108	.03295	-.00750	.00295	-.00306	.00338	.87316	.29504	2.95948
7.776	19.008	.00879	1.07458	.04145	-.01604	.00588	-.00287	.00231	1.00249	.38917	2.57595
7.752	21.591	.00645	1.27456	.03788	-.02447	.00111	-.00381	.00652	1.17119	.50423	2.32274
7.784	23.826	.00186	1.34372	.03929	.00197	-.00302	-.00504	.01317	1.21334	.57874	2.09652
7.7	25.959	.00460	1.36217	.04961	.03517	-.00117	-.00464	.01010	1.20302	.64085	1.87722
	GRADIENT	-.00032	.04535	-.00017	.00171	-.00000	.00003	.00005	.04428	.00268	.62311

LA-9 LARC LTPT 130 NAR 0008-MOD. NOSE +ONS (RPT006) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9838 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.9626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .246
ELEVTR = -10.000 RUDFLR = .000
GT-LOC = 1.000 R/L = .000

RUN NO. 27/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.476	-2.254	.00287	-.20582	.03492	.04403	-.00038	-.00338	.00352	-.20229	.04291	-4.71450
2.477	-.074	.00310	-.11650	.04814	.05034	-.00036	-.00370	.00380	-.11844	.04629	-2.55862
2.476	2.098	.00270	-.01578	.05407	.05600	-.00033	-.00326	.00356	-.01775	.05345	-.33202
2.482	4.258	.00297	.09683	.05824	.05881	-.00041	-.00339	.00327	.08037	.06434	1.27633
2.487	6.427	.00253	.18990	.05752	.05649	-.00065	-.00329	.00393	.18227	.07842	2.32434
2.486	8.579	.00286	.30038	.05548	.06025	-.00066	-.00339	.00324	.28874	.09967	2.89709
2.477	10.799	.00323	.41615	.05144	.06405	-.00021	-.00333	.00258	.39914	.12850	3.10610
2.482	12.955	.00331	.53657	.04809	.06745	-.00010	-.00365	.00328	.51258	.16521	3.10265
2.484	15.228	.00301	.65781	.04326	.06187	.00065	-.00361	.00378	.65211	.22232	2.93321
2.474	17.427	.00201	.83404	.05193	.05429	-.00018	-.00373	-.00237	.78025	.29935	2.60652
2.479	19.605	.00125	.99585	.07712	.04037	-.00261	-.00174	.00226	.91225	.40676	2.24274
2.481	21.799	.00070	1.16151	.08623	.03346	-.00070	-.00377	.00924	1.04643	.51139	2.04625
2.481	24.133	.00262	1.29427	.09536	.04156	-.00015	-.00180	-.00083	1.14298	.61453	1.86038
2.480	26.086	.00640	1.35714	.10107	.06149	.00781	-.00105	-.01179	1.17446	.68752	1.70824
2.480	28.175	.00214	1.33239	.12016	.09853	-.00151	-.00048	-.00364	1.11780	.73500	1.52083
	GRADIENT	-.00001	.04491	.00359	.00194	-.00000	.00002	-.00005	.04397	.00332	.93061

RUN NO. 28/ 0 RN/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
3.977	-2.982	.00451	-.21007	.03779	.04459	-.00037	-.00361	.00464	-.20831	.04652	-4.47746
3.967	-.151	.00331	-.11842	.04591	.05218	-.00026	-.00344	.00566	-.11830	.04622	-2.55951
3.963	2.088	.00297	-.01276	.05000	.05469	-.00038	-.00336	.00585	-.01458	.04950	-.29449
3.970	4.277	.00369	.09396	.04990	.05611	-.00052	-.00347	.00526	.08997	.05677	1.58486
3.972	6.471	.00329	.20189	.04509	.05891	-.00067	-.00328	.00522	.19532	.06758	2.89239
3.978	8.732	.00326	.31275	.03812	.06252	-.00060	-.00346	.00579	.30334	.08516	3.56198
3.978	10.963	.00353	.42363	.03009	.06766	-.00032	-.00360	.00580	.41018	.11011	3.72519
3.981	13.190	.00280	.54884	.02026	.07057	.00019	-.00343	.00623	.52971	.14507	3.65140
3.971	15.439	.00278	.68984	.01351	.06735	.00031	-.00306	.00518	.66109	.19684	3.35849
3.966	17.663	.00308	.82901	.01446	.06414	.00111	-.00308	.00479	.78545	.26559	2.95738
3.965	20.037	.00135	.99247	.02938	.05321	-.00207	-.00158	.00274	.92233	.36764	2.50876
3.976	22.465	.00101	1.18949	.04148	.03771	-.00169	-.00163	.00351	1.08308	.49286	2.19816
3.965	24.619	.00260	1.34569	.04656	.03868	.00178	-.00225	.00290	1.20395	.60293	1.99687
3.974	26.757	.00061	1.32912	.05983	.08190	-.00126	-.00281	.00723	1.15988	.65179	1.77952
3.978	28.372	-.00246	1.27015	.07934	.10659	-.00753	.00004	.00329	1.07757	.67715	1.59126
	GRADIENT	-.00013	.04574	.00182	.00168	-.00003	.00002	.00009	.04488	.00153	.91942

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7008) (24 JUN 75)

REFERENCE DATA

SREF = 136.1606 SQ.IN. XMRP = 15.9436 INCHES
LREF = 8.9085 INCHES YMRP = .0000 INCHES
BREF = 17.9626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .246
ELEVTR = -10.000 RUDFLR = .000
GT-LOC = 1.000 K/ = .000

RUN NO. 29/ 0 RN/L = 5.85 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.830	-2.499	.00399	-.21415	.03834	.04458	-.00031	-.00326	.00626	-.21229	.04800	-4.42205
5.827	-.100	.00406	-.11197	.04541	.05101	-.00004	-.00341	.00628	-.11189	.04560	-2.45366
5.847	2.201	.00475	-.00611	.04794	.05396	-.00020	-.00349	.00996	-.00795	.04767	-.16671
5.847	4.527	.00312	.10908	.04566	.05641	-.00044	-.00333	.00687	.10205	.05408	1.88678
5.821	6.671	.00262	.21106	.03898	.05870	-.00053	-.00331	.00706	.20512	.06324	3.24363
5.831	8.919	.00271	.31866	.03052	.06252	-.00042	-.00336	.00729	.31030	.07939	3.90834
5.795	11.239	.00314	.43962	.01973	.06799	-.00046	-.00344	.00108	.42734	.10904	3.06854
5.831	13.554	.00217	.56883	.00784	.06871	.00025	-.00313	.00709	.54930	.14049	3.90979
5.830	15.847	.00140	.70999	-.00082	.06834	.00012	-.00320	.00794	.68317	.19327	3.53475
5.846	18.204	.00153	.85430	-.00500	.06187	.00265	-.00299	.00725	.81248	.26404	3.07710
5.834	20.542	.00086	.98804	.00476	.06035	.00521	-.00168	.00399	.92355	.35113	2.63022
5.829	22.956	-.00175	1.19386	.02084	.03502	-.00459	-.00019	.00211	1.09101	.48473	2.25073
5.847	25.164	.00447	1.32782	.02164	.04083	.00124	.00007	-.00428	1.19187	.59630	2.03255
	GRADIENT	-.00003	.04584	.00102	.00165	-.00002	-.00001	.00006	.04501	.00087	.91209

RUN NO. 31/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.946	-2.550	.01003	-.21824	.03890	.04320	-.00010	-.00390	.00358	-.21830	.04820	-4.48731
7.951	-.092	.01055	-.10677	.04478	.04841	-.00007	-.00367	.00375	-.10869	.04495	-2.37366
7.921	2.165	.00805	-.00386	.04631	.05242	-.00025	-.00360	.00448	-.00360	.04613	-.12149
7.922	4.468	.00953	.10910	.04330	.05491	-.00029	-.00368	.00437	.10141	.05135	1.97474
7.930	6.836	.00948	.21811	.03455	.05874	-.00038	-.00359	.00421	.21245	.06027	3.52518
7.940	9.156	.00863	.33280	.02457	.06215	-.00034	-.00359	.00471	.32488	.07701	4.21807
7.912	11.518	.00971	.45540	.01244	.06709	-.00021	-.00373	.00433	.44373	.10511	4.30389
7.916	13.930	.00912	.58288	-.00089	.06648	.00022	-.00369	.00480	.57568	.14178	4.06097
7.914	16.493	.00746	.75902	-.00806	.06071	.00075	-.00358	.00530	.72625	.20683	3.51477
7.919	18.985	.00820	.90978	-.00855	.05871	.00292	-.00289	.00398	.86514	.28780	3.00125
7.951	21.195	.00811	1.04035	.00314	.05158	.00281	-.00514	.00339	.98682	.37905	2.55593
7.936	23.750	.00832	1.23740	.00809	.03620	.00280	-.00304	.00309	1.12935	.50573	2.23301
7.933	26.108	.00214	1.36006	.01305	.04955	.01080	.00078	-.01739	1.21554	.61024	1.99191
	GRADIENT	-.00013	.04598	.00070	.00168	-.00003	-.00002	.00014	.04518	.00044	.92708

LA-0 LARC LTPT 139 MAR 0000-000. NOSE +CHS (APT007) (24 JUN 75)

REFERENCE DATA

SREF = 139.1000 SQ.IN. BREF = 15.0000 INCHES
LREF = 9.0000 INCHES YREF = .0000 INCHES
DREF = 17.0000 INCHES ZREF = .0000 INCHES
SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .250
ELEVTR = .000 RUDFLP = .000
GT-/OC = 1.\000 R/L = 1.000

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -8.00/ 9.00

RN/L	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
2.500	-8.197	.00001	-.00007	.04784	-.01696	.00000	-.00070	.00406	-.00492	.04993	-1.10015
2.500	.117	.00002	.04012	.03760	-.01327	.00013	-.00000	.00001	.04500	.03790	.77730
2.500	2.219	.00006	.14017	.03330	-.00960	.00010	-.00071	.00404	.14054	.00014	9.00241
2.500	4.404	.00002	.24201	.00406	-.00773	.00011	-.00003	.00430	.23722	.00012	9.00300
2.500	6.500	.00010	.34046	.00430	-.00000	.00020	-.00043	.00047	.33004	.10000	3.30010
2.517	8.000	.00007	.44704	.00072	-.00002	-.00002	-.00030	.00441	.43303	.10707	3.30000
2.500	11.100	.00041	.50070	.00701	-.00044	.00001	-.00270	.00004	.57150	.17107	3.00104
2.516	13.004	.00100	.71007	.00770	-.00070	.00000	-.00133	.00270	.00400	.21042	3.13000
2.517	15.302	.00101	.04700	.00000	-.00400	.00041	-.00001	-.00006	.00150	.20070	3.35..15
2.400	17.913	.00002	.07101	.07004	-.00400	.00014	-.00000	.00107	.00377	.30704	3.40002
2.404	19.770	.00140	1.10449	.00007	-.002	-.00700	-.00070	.00414	1.00004	.40200	3.01400
2.510	10.010	.00000	1.00020	.00070	-.00100	.00002	-.00000	-.00100	1.10073	.37107	2.01500
2.500	04.000	.00400	1.30000	.10073	.00000	.00001	-.00040	.00102	1.10002	.00017	1.00307
2.404	20.000	.00402	1.30000	.10010	.00500	.00000	-.00004	.00144	1.10000	.75000	1.00000
2.511	27.077	.01104	1.21000	.10002	.00074	.00003	-.00040	-.00100	1.00010	.70072	1.40100
	GRADIENT	.00004	.04007	.00000	.00100	-.00002	.00001	-.00011	.04403	.00014	.40010

RUN NO. 34/ 0 RN/L = 4.06 GRADIENT INTERVAL = -6.00/ 9.00

RN/L	ALPHA	BETA	CN	CA	CLN	CBL	CYN	CY	CL	CD	L/D
4.000	-8.170	.00001	-.00102	.04027	-.01774	.00004	-.00000	.00117	-.00400	.04200	-1.00707
4.000	.100	.00007	.04007	.01007	-.00000	.00010	-.00004	.00100	.04007	.00004	.00070
4.000	2.200	.00001	.14022	.00002	-.00070	.00007	-.00002	.00400	.14701	.00007	2.04200
4.000	4.407	.00000	.25104	.00775	-.00012	-.00000	-.00000	.00000	.25000	.00000	3.10470
4.000	6.005	.00002	.35000	.00000	-.00002	-.00007	-.00010	.00017	.34000	.00002	3.00000
4.000	0.000	.00004	.46700	.04007	-.00001	-.00010	-.00004	.00010	.45000	.11777	3.20011
4.000	11.210	.00000	.00400	.04070	-.00007	-.00010	-.00000	.00007	.00004	.10701	3.70071
4.000	13.400	.00102	.70000	.00000	-.00017	.00074	-.00140	.00214	.70070	.21010	5.37700
4.000	10.007	.00074	.00040	.04014	-.00010	.00002	-.00010	-.00044	.00040	.27000	3.00700
4.000	17.000	.00101	.90040	.00000	-.00100	.00000	-.00011	.00100	.01041	.34000	2.02700
4.000	00.210	.00000	1.10002	.00002	-.00000	-.00010	-.00101	.00320	1.00077	.40000	2.33000
4.000	00.011	.00000	1.31040	.00400	-.01100	.00000	-.00004	-.01123	1.10072	.00000	0. 402
4.000	04.000	.0001	1.34070	.07000	.00000	.00000	-.00002	.00007	1.10000	.02002	1.00002
4.000	00.000	-.00010	1.31312	.00000	.04000	-.00700	-.00070	.00031	1.10000	.07147	1.00000
	GRADIENT	-.00010	.04010	.00100	.00170	-.00004	.00002	.00017	.04311	.00070	.03071

LA-C LARC LTPT 130 NAR 0008-MOD. KOSE +ONS (SP7007) (24 JUN 73)

REFERENCE DATA

SREF = 136.1000 SQ.IN. WREF = 15.9856 INCHES
LREF = C.0025 INCHES YREF = .0000 INCHES
BREF = 17.9688 INCHES ZREF = .0000 INCHES
SCALE = .0100 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTP = .000 RUDFLP = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 35/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.017	-2.208	.00887	-.05788	.05115	-.01701	.00015	-.00343	.00384	-.05567	.05333	-1.04378
8.018	.143	.00830	.04675	.05834	-.01326	.00002	-.00344	.00437	.04661	.03646	.62551
8.014	2.392	.00943	.13087	.05746	-.00899	-.00015	-.00342	.00517	.14844	.06371	2.32963
8.020	4.702	.00966	.25911	.05367	-.00695	-.00016	-.00340	.00489	.25384	.07472	3.39720
8.022	6.958	.00483	.36830	.04678	-.00247	-.00027	-.00302	.00490	.35992	.09105	3.95301
8.019	9.230	.00450	.48285	.03851	.00113	-.00028	-.00279	.00411	.47040	.11553	4.07163
8.011	11.565	.00367	.60 [illegible]	.03137	-.00209	-.00052	-.00216	.00299	.60507	.15584	3.88267
8.013	13.832	.00300	.72127	.03007	-.00452	.00126	-.00166	.00215	.73201	.21120	3.46589
8.030	16.162	.00218	.86085	.02990	-.00340	.00320	-.00105	.00114	.84722	.27899	3.03871
8.029	18.480	.00904	1.01372	.04358	-.00785	-.00108	-.00308	.00437	.94966	.36296	2.61639
8.024	20.918	.00481	1.22471	.04324	-.02234	-.00084	-.00262	.00321	1.12855	.47785	2.36209
8.027	23.18[illegible]	.01204	1.32719	.04643	-.00361	.00855	-.00160	-.00646	1.20172	.36520	2.12621
8.015	25.294	.00820	1.35932	.05599	.02784	.00411	-.00460	.00567	1.20507	.83142	1.90852
	GRADIENT	.1021	.04991	.00056	.00163	-.00005	.00000	.00017	.04486	.00311	.64584

RUN NO. 36/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.926	-2.2[illegible]	.00755	-.05648	.05[illegible]	-.01706	.00010	-.00341	.00493	-.05442	.05370	-1.01337
7.919	.133	.00586	.05112	.05581	-.01222	-.00002	-.00331	.00574	.05100	.05593	.91183
7.922	2.4[illegible]7	.00590	.15764	.05576	-.00906	-.00013	-.00330	.00594	.15512	.06244	2.48432
7.915	4.762	.00420	.26684	.05089	-.00521	-.00021	-.00330	.00675	.26169	.07287	3.59140
7.919	7.062	.00581	.37806	.04251	-.00166	-.00030	-.00306	.00504	.36993	.08880	4.16612
7.921	9.454	.00429	.50028	.03279	.00178	-.00022	-.00265	.00476	.48810	.11452	4.26227
7.921	11.866	.00152	.64443	.02506	-.00202	-.00079	-.00191	.00442	.62545	.15726	3.97721
7.906	14.265	.00205	.78937	.02457	-.00455	.00149	-.00185	.00396	.75898	.21832	3.47646
7.917	16.657	.00266	.91710	.02771	-.00[illegible]9	.00040	-.00243	.00521	.87067	.28943	3.00834
7.902	19.027	.00655	1.07906	.03721	-.01417	.00017	-.00310	.00452	1.00797	.38698	2.60472
7.911	21.647	.00106	1.29172	.03465	-.02298	.00376	-.00309	.00413	1.18784	.50870	2.33503
7.874	23.884	.00349	1.35823	.03923	.01257	.00204	-.00477	.01130	1.20774	.57771	2.09057
7.870	25.971	.00946	1.37017	.04866	.03561	.00441	-.00448	.00629	1.21049	.64377	1.88031
	GRADIENT	-.00043	.04609	-.00008	.00166	-.00004	.00001	.00024	.04506	.00274	.65923

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7008) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9028 INCHES	YMRP =	.0000 INCHES
BREF =	17.5428 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.854
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 33/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

CN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.494	-2.189	.00431	-.06339	.04699	-.01856	.00026	-.00395	.00245	-.06175	.04938	-1.25040
2.495	-.045	.00353	.07329	.05629	-.01385	.00016	-.00383	.00374	.03833	.05626	.68134
2.497	2.145	.00301	.13732	.06289	-.01001	.00007	-.00368	.00440	.13487	.06798	1.98364
2.499	4.261	.00353	.23510	.06438	-.00721	.00017	-.00384	.00377	.22967	.08167	2.81223
2.498	6.490	.00307	.34226	.06523	-.00512	.00027	-.00365	.00414	.33292	.10152	3.27943
2.498	8.620	.00353	.44971	.06041	-.00127	.00012	-.00353	.00264	.43557	.12713	3.42614
2.497	10.889	.00240	.58006	.05765	-.00230	.00045	-.00277	.00296	.55873	.16619	3.36201
2.501	13.067	.00207	.71230	.05725	-.00651	.00052	-.00258	.00307	.68091	.21681	3.14064
2.488	15.110	.00094	.84459	.06036	-.00452	.00318	-.00104	.00099	.79966	.27843	2.87199
2.502	17.439	.00437	.95906	.07784	-.00508	.00582	-.00404	.00233	.89165	.36169	2.46526
2.501	19.580	.00093	1.14736	.08957	-.02560	-.00659	-.00262	.00553	1.05100	.46991	2.23137
2.500	21.904	.00266	1.29228	.09824	-.02215	.00055	-.00209	.00023	1.16234	.57324	2.02769
2.510	23.967	.00420	1.34229	.10798	.00906	.00429	-.00357	.00110	1.16271	.64391	1.80675
2.508	26.011	.00143	1.34146	.12631	.03650	-.00048	-.00276	.00476	1.15019	.70181	1.63868
2.501	27.859	.01004	1.21991	.15542	.06820	.00962	-.00812	.00057	1.00692	.70571	1.42683
	GRADIENT	-.00015	.04620	.00273	.00176	-.00002	.00002	.00022	.04507	.00504	.62656

LA-9 LARC LTPT 130 NAR 089R-MOD. NOSE (RPT009) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 37/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.491	-2.063	.00231	-.03843	.04132	-.00684	.00003	-.00346	.00520	-.03791	.04272	-.88754
2.511	.154	.00240	.05766	.05135	-.00384	-.00009	-.00368	.00574	.05752	.05151	1.11684
2.493	2.305	.00240	.15608	.05713	.00010	-.00010	-.00352	.00520	.15366	.06335	2.42554
2.480	4.421	.00248	.25687	.05909	.00232	.00000	-.00375	.00562	.25155	.07872	3.19571
2.476	6.626	.00213	.36125	.05806	.00468	-.00001	-.00363	.00597	.35214	.09935	3.54452
2.481	8.805	.00162	.46759	.05535	.00749	-.00011	-.00369	.00721	.45361	.12627	3.59249
2.488	10.997	.00165	.59181	.05255	.00729	.00012	-.00283	.00472	.57091	.16447	3.47118
2.490	13.215	.00131	.73717	.05257	.00502	.00030	-.00231	.00369	.70563	.21970	3.21185
2.486	15.484	.00064	.88524	.05642	.00525	.00359	-.00091	.00127	.81877	.28536	2.86922
2.477	17.581	.00397	.97108	.07915	.00486	.00743	-.00360	.00184	.90182	.36876	2.44552
2.484	19.848	.00047	1.17571	.09126	-.01631	-.00394	-.00316	.00805	1.07489	.48503	2.21615
2.486	22.025	.00324	1.33032	.09760	-.01736	.00215	-.00257	-.00023	1.19661	.58943	2.03009
2.490	24.117	.00158	1.36731	.10842	.01999	.00122	-.00512	.01122	1.20365	.65765	1.83023
2.479	26.157	-.00133	1.33998	.12833	.04527	-.00600	-.00127	.00661	1.14617	.70590	1.62371
2.491	28.038	.00664	1.22177	.15180	.06958	.00349	-.00495	-.00076	1.00703	.70828	1.42179
	GRADIENT	.00002	.04570	.00274	.00146	-.00000	-.00003	.00003	.04464	.00554	.62893

RUN NO. 38/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.033	-2.078	.00483	-.04293	.04459	-.00709	-.00004	-.00393	.00518	-.04128	.04612	-.89516
4.028	.186	.00465	.05893	.05136	-.00330	.00004	-.00394	.00542	.05876	.05156	1.13975
4.031	2.387	.00451	.15957	.05360	-.00050	-.00025	-.00394	.00559	.15720	.06020	2.61123
4.033	4.625	.00349	.26371	.05174	.00345	-.00036	-.00376	.00637	.25868	.07284	3.55159
4.049	6.796	.00370	.36836	.04693	.00690	-.00047	-.00368	.00592	.36022	.09025	3.99152
4.034	8.974	.00327	.48024	.04151	.00969	-.01045	-.00367	.00636	.46789	.11591	4.03654
4.029	11.324	.00255	.61851	.03608	.00706	-.00040	-.00285	.00490	.59948	.15684	3.82231
4.031	13.549	.00193	.74857	.03569	.00616	.00087	-.00185	.00282	.71938	.21007	3.42446
4.024	15.820	.00154	.89045	.03753	.00497	.00281	-.00059	-.00033	.84650	.27886	3.03555
4.016	18.026	.00420	.99967	.05287	.00633	.00153	-.00328	.00389	.93424	.35962	2.59789
4.027	20.550	.00210	1.21798	.05988	-.01345	-.00608	-.00261	.00469	1.11946	.48361	2.31477
4.037	22.546	.00873	1.31790	.06320	-.00280	.00533	-.00068	-.00967	1.19295	.56368	2.11635
4.030	24.651	.00514	1.34598	.07382	.03274	.00346	-.00456	.00614	1.19252	.62849	1.89745
4.022	26.635	-.00354	1.29737	.09399	.05601	-.00821	.00024	.00416	1.11755	.66564	1.67892
	GRADIENT	-.00019	.04574	.00106	.00154	-.00006	.00002	.00017	.04475	.00398	.66418

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE (RP7009) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 R/L = 1.200

RUN NO. 39/ 0 RN/L = 5.91 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.923	-2.131	.00392	-.04701	.04581	-.00660	-.00015	-.00359	.00691	-.04527	.04753	-.95258
5.936	.206	.00351	.06027	.05079	-.00270	-.00023	-.00359	.00729	.06008	.05100	1.17805
5.941	2.406	.00284	.16081	.05124	.00069	-.00033	-.00357	.00781	.15852	.05794	2.73571
5.936	4.761	.00291	.27226	.04782	.00458	-.00040	-.00361	.00796	.26735	.07025	3.80547
5.959	6.987	.00197	.37822	.04126	.00770	-.00049	-.00348	.00829	.37039	.08696	4.25920
5.918	9.280	.00136	.49714	.03359	.01148	-.00049	-.00302	.00748	.48521	.11332	4.28172
5.928	11.537	.00121	.63290	.02683	.00785	-.00055	-.00244	.00395	.61475	.15287	4.02143
5.943	13.927	-.00014	.77152	.02651	.00643	.00122	-.00173	.00507	.74246	.21142	3.51175
5.929	16.256	.00042	.91086	.02835	.00653	.00356	-.00116	.00296	.86650	.28220	3.07056
5.943	18.544	.00285	1.04179	.04370	-.00213	-.00058	-.00348	.00744	.97380	.37275	2.61244
5.940	21.062	.00166	1.25171	.04314	-.01306	-.00031	-.00269	.00621	1.15259	.49009	2.35177
5.951	23.265	.01039	1.33989	.04836	.00697	.00742	-.00160	-.00476	1.21251	.57210	2.11939
5.912	25.316	.00809	1.36820	.05535	.03681	.00622	-.00463	.00582	1.21313	.63510	1.91015
	GRADIENT	-.00017	.04627	.00023	.00161	-.00004	-.00000	.00016	.04530	.00328	.69182

RUN NO. 40/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.915	-2.145	.00727	-.04536	.04631	-.00745	-.00011	-.00359	.00560	-.04360	.04798	-.90870
7.891	.215	.00620	.06162	.05067	-.00291	-.00023	-.00365	.00644	.06143	.05090	1.20675
7.918	2.523	.00564	.16817	.05015	.00077	-.00032	-.00374	.00710	.16580	.05751	2.88291
7.913	4.887	.00410	.27934	.04508	.00503	-.00037	-.00354	.00752	.27499	.06875	3.99977
7.899	7.194	.00389	.39147	.03734	.00834	-.00046	-.00351	.00754	.38371	.08607	4.45857
7.913	9.579	.00272	.51426	.02804	.01184	-.00040	-.00311	.00714	.50242	.11322	4.43756
7.919	11.959	.00103	.65758	.02088	.00788	-.00075	-.00233	.00602	.63898	.15669	4.07803
7.923	14.472	.00140	.80851	.02173	.00564	.00133	-.00214	.00522	.77742	.22309	3.48477
7.916	16.765	.00361	.92851	.03017	.00489	-.00085	-.00359	.00790	.88034	.29671	2.96699
7.893	19.198	.00501	1.10819	.03759	-.00745	.00045	-.00345	.00654	1.03420	.39992	2.58601
7.889	21.731	.00535	1.30397	.03500	-.01364	.00330	-.00336	.00603	1.19834	.51531	2.32547
7.904	23.959	.00520	1.35644	.03819	.02031	.00240	-.00480	.01023	1.22406	.58573	2.08981
7.840	26.081	.00836	1.38195	.04791	.04459	.00420	-.00433	.00644	1.22017	.65059	1.87547
	GRADIENT	-.00043	.04624	-.00018	.00176	-.00004	.00000	.00027	.04530	.00295	.70073

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE (RP7010) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .256
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 45/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.507	-2.205	6.03960	-.05033	.04302	-.01336	-.00127	.00474	-.10247	-.04863	.04493	-1.08235
2.504	-.085	6.04343	.04832	.04488	-.00899	-.00280	.00506	-.10332	.04839	.04481	1.07989
2.501	2.136	6.04032	.14749	.04291	-.00549	-.00428	.00513	-.10465	.14579	.04838	3.01330
2.509	4.288	6.02947	.24624	.03709	-.00132	-.00560	.00524	-.10453	.24278	.05539	4.38273
2.505	6.486	6.01176	.35004	.02869	.00197	-.00709	.00510	-.10621	.34456	.06805	5.06331
2.493	8.785	5.98416	.46895	.01809	.00480	-.00745	.00384	-.10302	.46069	.08950	5.14741
2.485	10.913	5.93255	.59115	.00793	.00458	-.00636	.00181	-.09935	.57896	.11970	4.83674
2.496	13.102	5.91342	.71855	-.00107	.00331	-.00664	.00203	-.10181	.70008	.16185	4.32558
2.490	15.392	5.86429	.85901	-.00275	.00189	-.00872	.00158	-.10244	.82893	.22535	3.67840
2.492	17.525	5.81211	.98971	.00470	.00061	-.00788	-.00009	-.10008	.94236	.30251	3.11516
2.498	19.836	5.75123	1.15411	.00962	-.01243	.00210	.00129	-.11200	1.08237	.40067	2.70141
2.482	22.078	5.68082	1.34176	.01000	-.02069	-.00415	.00351	-.11685	1.23962	.51360	2.41360
2.502	24.141	5.60897	1.37684	.00759	.00702	-.00088	.00439	-.12568	1.25332	.57063	2.19870
	GRADIENT	-.00155	.04557	-.00091	.00183	-.00067	.00007	-.00035	.04477	.00151	.84446

RUN NO. 44/ 0 RN/L = 4.14 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.156	-2.352	6.06860	-.05467	.04216	-.01456	-.00111	.00443	-.10416	-.05289	.04437	-1.19217
4.151	-.106	6.07402	.04712	.04483	-.01051	-.00272	.00451	-.10580	.04720	.04474	1.05487
4.131	2.171	6.06997	.15490	.04289	-.00648	-.00431	.00479	-.10666	.15317	.04872	3.14368
4.094	4.361	6.05917	.25675	.03758	-.00336	-.00578	.00500	-.10895	.25315	.05699	4.44176
4.162	6.665	6.04315	.36192	.02742	.00148	-.00727	.00455	-.10842	.35629	.06924	5.14541
4.134	8.862	6.01620	.47407	.01663	.00348	-.00755	.00334	-.10464	.46585	.08946	5.20708
4.156	11.258	5.98316	.61252	.00592	.00307	-.00724	.00132	-.10089	.59958	.12538	4.78202
4.129	13.384	5.94460	.73961	-.00230	.00286	-.00768	.00195	-.10389	.72005	.16896	4.26173
4.119	15.675	5.89436	.87251	-.00500	.00570	-.00655	.00358	-.10737	.84141	.23092	3.64372
4.125	17.875	5.84483	1.00184	.00378	-.00303	-.01253	.00082	-.10543	.95232	.31111	3.06110
4.128	20.229	5.78552	1.17738	.00130	-.01232	-.00377	.00216	-.11465	1.10431	.40833	2.70444
4.127	22.544	5.71881	1.35441	.00113	-.01672	-.00151	.00398	-.12358	1.25048	.52032	2.40331
4.137	24.650	5.64359	1.37736	.00481	.02194	-.00571	.00307	-.12269	1.24985	.57882	2.15929
	GRADIENT	-.00143	.04649	-.00070	.00168	-.00070	.00009	-.00068	.04569	.00186	.84782

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE (RPYD10) (24 JUN 73)

REFERENCE DATA

SREF =	136.1806 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.256
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	[illegible] =	1.200

RUN NO. 43/ 0 RN/L = 6.18 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.151	-2.387	6.10379	-.05847	.04203	-.01511	-.00121	.00449	-.10917	-.05666	.04443	-1.27549
6.140	-.044	6.10741	.05002	.04437	-.01057	-.00295	.00487	-.10579	.05006	.04434	1.12902
6.142	2.226	6.10349	.15332	.04209	-.00638	-.00449	.00512	-.10600	.15157	.04801	3.15711
6.138	4.527	6.09382	.26116	.03598	-.00197	-.00603	.00526	-.10769	.25751	.05648	4.55950
6.117	6.810	6.07490	.37237	.02632	.00162	-.00769	.00491	-.10713	.36662	.07029	5.21623
6.125	9.211	6.04889	.49746	.01454	.00496	-.00792	.00363	-.10422	.48872	.09398	5.20024
6.135	11.471	6.01769	.62615	.00447	.00337	-.00686	.00165	-.09947	.61276	.12891	4.75351
6.129	13.841	5.97862	.77512	-.00255	.00182	-.00721	.00279	-.10484	.75322	.18296	4.11693
6.155	16.129	5.93194	.89003	.00068	.00449	-.01334	.00170	-.10217	.85481	.24791	3.44807
6.121	18.505	5.87962	1.06892	.00226	-.00890	-.01047	.00251	-.10833	1.01294	.34140	2.96701
6.149	20.942	5.82405	1.23611	.00033	-.01716	-.00186	.00333	-.11737	1.15433	.44213	2.61096
6.143	23.258	5.75397	1.37921	-.00301	-.00694	-.00894	.00242	-.11391	1.26833	.54184	2.34079
6.175	25.409	5.68313	1.38828	.00317	.02980	-.00840	.00167	-.11754	1.25263	.59855	2.09278
	GRADIENT	-.00146	.04616	-.00088	.00190	-.00070	.00011	-.00034	.04537	.00173	.84914

RUN NO. 42/ 0 RN/L = 8.37 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.209	-2.425	6.13640	-.06245	.04138	-.01508	-.00128	.00442	-.10469	-.06064	.04399	-1.37849
8.210	-.002	6.14362	.04832	.04428	-.01079	-.00303	.00468	-.10592	.04832	.04426	1.09126
8.214	2.329	6.14074	.15506	.04185	-.00669	-.00461	.00493	-.10686	.15325	.04811	3.18479
8.209	4.715	6.13025	.26658	.03518	-.00205	-.00629	.00520	-.10828	.26279	.05697	4.61250
8.197	7.024	6.11216	.37992	.02517	.00227	-.00801	.00490	-.10786	.37400	.07144	5.23504
8.178	9.372	6.08602	.50270	.01332	.00509	-.00825	.00352	-.10425	.49379	.09520	5.18673
8.194	11.800	6.05696	.64408	.00347	.00350	-.00676	.00110	-.09989	.62976	.13511	4.66085
8.192	14.325	6.01614	.80087	-.00206	.00123	-.00809	.00219	-.10437	.77649	.19610	3.95961
8.195	16.759	5.96915	.94103	.00520	-.00392	-.01158	.00106	-.10280	.89928	.27726	3.24353
8.193	19.199	5.91901	1.12232	.00262	-.01496	-.00805	.00262	-.11040	1.05904	.37154	2.85043
8.197	21.805	5.85801	1.29980	.00253	-.02080	-.00142	.00262	-.11436	1.20589	.48511	2.48582
8.196	24.085	5.79213	1.37284	-.00066	.01143	-.00951	.00257	-.11715	1.25359	.55965	2.23975
8.373	26.223	5.71018	1.34194	.00979	.04111	-.01401	-.00010	-.10297	1.19950	.60175	1.99335
	GRADIENT	-.00115	.04605	-.00083	.00182	-.00070	.00011	-.00049	.04527	.00180	.84509

LA-9 LARC LTPT 130 NAR 0698-MOD. NOSE +OMS (RP7011) (24 JUN 7[illegible])

REFERENCE DATA

SREF = 156.1806 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .251
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 49/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.514	-2.286	6.04336	-.06406	.05057	-.02525	.00214	.00306	-.10801	-.06201	.05308	-1.16810
2.541	-.003	6.04915	.04192	.05291	-.02021	.00061	.00284	-.10656	.04192	.05291	.79240
2.538	2.149	6.04455	.14088	.05108	-.01580	-.00061	.00268	-.10447	.13886	.05633	2.46522
2.500	4.306	6.03323	.23993	.04590	-.01358	-.00199	.00254	-.10664	.23581	.06378	3.69690
2.492	6.496	6.01504	.34533	.03650	-.00866	-.00344	.00241	-.10848	.33898	.07533	4.49985
2.516	8.685	5.99001	.44822	.02439	-.00705	-.00446	.00298	-.10951	.4394[illegible]	.09164	4.79535
2.509	10.924	5.95625	.58302	.01255	-.00672	-.00382	.00255	-.10981	.57008	.12280	4.64215
2.522	13.102	5.91886	.71586	.00246	-.00905	-.00482	.00264	-.11436	.89666	.16467	4.23079
2.527	15.330	5.87118	.85134	.00046	-.00500	-.00595	.00141	-.11175	.82092	.22553	3.63997
2.532	17.447	5.81857	.97078	.00924	-.01254	-.00587	-.00024	-.10811	.92335	.29987	3.07912
2.507	19.781	5.75677	1.13883	.01444	-.02263	.00640	.00069	-.11990	1.05088	.39863	2.67638
2.504	22.040	5.68698	1.32463	.01083	-.03175	-.00135	.00129	-.12226	1.22377	.50712	2.41318
2.513	24.095	5.61451	1.37857	.01162	-.01022	.00038	.00396	-.12433	1.25371	.57340	2.18644
	GRADIENT	-.00157	.04611	-.00071	.00180	-.00063	-.00008	.00001	.04517	.00161	.74065

RUN NO. 48/ 0 RN/L = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.067	-2.315	6.07199	-.05946	.04984	-.02577	.00209	.00288	-.10433	-.05740	.05220	-1.09952
4.101	-.020	6.07842	.04665	.05287	-.02116	.00050	.00280	-.10631	.04667	.05285	.88307
4.120	2.180	6.07537	.14334	.05063	-.01485	-.00078	.00266	-.10573	.14131	.05604	2.52152
4.112	4.408	6.06400	.24859	.04520	-.01452	-.00221	.00259	-.10571	.24438	.06418	3.80776
4.092	6.580	6.04666	.35475	.03584	-.01003	-.00371	.00283	-.10637	.34831	.07625	4.56774
4.078	8.848	6.01987	.47131	.02313	-.00850	-.00474	.00354	-.11046	.46214	.09535	4.84689
4.093	11.169	5.98734	.59916	.01074	-.00940	-.00452	.00244	-.10938	.58573	.12660	4.62674
4.078	13.390	5.94732	.73280	.00202	-.01011	-.00559	.00361	-.11378	.71241	.17166	4.15009
4.073	15.674	5.89886	.86699	-.00220	-.00803	-.00556	.00363	-.11459	.83535	.23212	3.59880
4.082	17.981	5.84466	.99604	.00706	-.01310	-.00968	.00034	-.10384	.94522	.31420	3.00832
4.100	20.203	5.78819	1.15839	.00732	-.02514	-.00151	.00190	-.11757	1.08459	.40691	2.66545
4.073	22.519	5.72160	1.34040	.00633	-.03353	.00156	.00235	-.12462	1.23578	.51920	2.38016
4.079	24.680	5.64477	1.37696	.00840	.00839	-.00449	.00314	-.12854	1.24758	.58257	2.14167
	GRADIENT	-.00120	.04564	-.00072	.00179	-.00063	-.00005	-.00016	.04471	.00174	.73179

LA-9 LARC LTPT 130 NAR 0098-MOD. NOSE +CHS (RPTD1:) (24 JUN 73)

REFERENCE DATA

SREF =	136.1908 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.3628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0160 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.251
ELEVTR =	.000	RUDFL =	.000
GY-LOC =	.000	K/L =	1.200

RUN NO. 47/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.105	-2.319	6.10891	-.05946	.04923	-.02570	.00184	.00296	-.10462	-.05742	.05159	-1.11285
6.089	-.323	6.11408	.04287	.05232	-.02242	.00059	.00292	-.10607	.04299	.05231	.82187
6.084	2.232	6.11148	.14543	.05010	-.01890	-.00098	.00259	-.10620	.14337	.05372	2.57295
6.089	4.509	6.10045	.25202	.04393	-.01456	-.00244	.00261	-.10624	.24779	.06381	3.89562
6.073	6.796	6.08226	.36355	.03375	-.01041	-.00409	.00300	-.10627	.35700	.07654	4.66456
6.073	9.147	6.05657	.48245	.02023	-.00632	-.00504	.00339	-.11043	.47310	.09667	4.89412
6.088	11.457	6.02544	.61569	.00858	-.01049	-.00435	.00232	-.10889	.60172	.13071	4.60345
6.091	13.760	5.98687	.75705	.00091	-.01306	-.00519	.00360	-.11402	.73510	.18096	4.06228
6.107	16.098	5.93811	.88904	.00065	-.01020	-.00791	.00233	-.11010	.84728	.24517	3.45582
6.085	18.455	5.88777	1.04396	.00583	-.02078	-.00753	.00134	-.11283	.98843	.33600	2.94171
6.089	20.815	5.83185	1.20563	.00345	-.02857	.00121	.00183	-.12025	1.12571	.43166	2.60787
6.076	23.180	5.75996	1.35835	.00144	-.02328	-.00401	.00069	-.11594	1.24814	.53599	2.32867
6.074	25.393	5.68285	1.38245	.00529	.01624	-.00917	.00179	-.12179	1.24663	.59759	2.08607
	GRADIENT	-.00123	.04560	-.00079	.00162	-.00062	-.00006	-.00022	.04468	.00173	.73786

RUN NO. 46/ 0 RN/L = 8.14 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.132	-2.453	6.14602	-.06618	.04867	-.02539	.00178	.00291	-.10499	-.06404	.05146	-1.24458
8.114	-.108	6.15051	.03876	.05198	-.02148	.00022	.00291	-.10332	.03886	.05191	.74863
8.152	2.258	6.14884	.14682	.04922	-.01750	-.00118	.00285	-.10545	.14477	.05497	2.63376
8.165	4.580	6.14134	.25622	.04299	-.01336	-.00266	.00274	-.10702	.25197	.06331	3.98021
8.114	6.925	6.12174	.36950	.03212	-.00950	-.00441	.00307	-.10629	.36301	.07644	4.74902
8.097	9.299	6.09544	.49198	.01845	-.00806	-.00528	.00345	-.10963	.46254	.09770	4.93885
8.063	11.786	6.06630	.64400	.00677	-.00983	-.00410	.00205	-.10977	.62904	.13818	4.55242
8.075	14.149	6.02673	.78749	.00054	-.01203	-.00587	.00313	-.11331	.76347	.19302	3.95542
8.070	16.521	5.98017	.91393	.00783	-.01375	-.01121	.00046	-.10715	.87397	.26740	3.26846
8.056	19.013	5.93093	1.10171	.00535	-.02519	-.00575	.00166	-.11504	1.03987	.36397	2.85700
8.062	21.467	5.87748	1.26047	.00656	-.03258	.00713	.00124	-.12079	1.17063	.46739	2.50460
8.110	23.867	5.80006	1.36483	.00122	-.00698	-.00965	.00134	-.11503	1.24763	.55334	2.25472
8.137	26.008	5.73499	1.37863	.00782	.02527	-.00687	-.00063	-.11687	1.23560	.61154	2.02047
	GRADIENT	-.00067	.04582	-.00084	.00171	-.00063	-.00002	-.00027	.04491	.00164	.74857

LA-9 LARC LTPT 130 NAR [illegible]-MOD. NOSE +OMS (RP7012) (24 JUN 73

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .251
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 R/L = 6.620

RUN NO. 50/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.499	-2.325	6.04283	-.07068	.05540	-.02549	.00217	.00263	-.10528	-.06838	.05823	-1.17431
2.504	-.038	6.04805	.03284	.05863	-.02203	.00020	.00229	-.10592	.03288	.05860	.56100
2.508	2.097	6.04449	.12836	.05721	-.01791	-.00104	.00232	-.10576	.12618	.06187	2.03954
2.516	4.328	6.03310	.23206	.05129	-.01123	-.00209	.00222	-.10495	.22753	.06865	3.31431
2.505	6.441	6.01538	.32897	.04318	-.00975	-.00359	.00214	-.10644	.32205	.07981	4.03523
2.517	8.656	5.98976	.44133	.03127	-.00390	-.00458	.00295	-.10911	.43160	.09734	4.43417
2.519	10.799	5.95785	.56146	.02071	-.00967	-.00443	.00273	-.10965	.54764	.12554	4.36230
2.515	13.054	5.91762	.70194	.01138	-.01007	-.00444	.00231	-.11096	.68123	.16963	4.01592
2.521	15.244	5.87012	.81053	.00747	-.00893	-.00761	.00122	-.10898	.78005	.22031	3.54066
2.514	17.627	5.81110	.95770	.01315	-.01276	-.01178	.00114	-.11148	.90875	.30254	3.00375
2.497	19.729	5.75261	1.08356	.01664	-.01537	.00009	.00090	-.11643	1.01434	.38143	2.65929
2.512	21.961	5.68426	1.23895	.01689	-.02380	.00439	.00077	-.11819	1.14274	.47901	2.38563
2.500	24.197	5.61045	1.38179	.01595	-.02040	.00570	.00126	-.13014	1.25385	.58092	2.15840
	GRADIENT	-.00147	.04543	-.00062	.00212	-.00064	-.00005	.00005	.04440	.00156	.67658

RUN NO. 51/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.050	-2.393	6.07112	-.06941	.05325	-.02453	.00164	.00269	-.10256	-.06713	.05611	-1.19645
4.038	-.076	6.07420	.03662	.05554	-.01865	.00015	.00271	-.10169	.03669	.05549	.66113
4.051	2.114	6.07116	.13690	.05459	-.01627	-.00099	.00256	-.10120	.13481	.05940	2.26941
4.137	4.375	6.06380	.23639	.04822	-.01267	-.00208	.00219	-.10097	.23203	.06611	3.50980
4.048	6.541	6.04375	.34320	.03986	-.00818	-.00352	.00243	-.10329	.33643	.07869	4.27535
4.048	8.794	6.01768	.45523	.02765	-.00469	-.00486	.00328	-.10600	.44566	.09692	4.59819
4.031	10.991	5.98627	.58062	.01632	-.00645	-.00496	.00316	-.10762	.56685	.12672	4.47324
4.022	13.372	5.94440	.72507	.00609	-.00879	-.00449	.00270	-.10905	.70400	.17361	4.03517
4.017	15.502	5.90012	.84697	.00262	-.00722	-.00840	.00124	-.10562	.81546	.22890	3.56258
4.060	17.833	5.84446	.97905	.00582	-.01009	-.01226	.00122	-.10504	.93022	.30537	3.04626
4.038	20.247	5.78086	1.13996	.00924	-.01788	-.00409	.00242	-.11404	1.05633	.40318	2.64481
4.050	22.406	5.71858	1.28313	.00968	-.02328	.00113	.00253	-.11884	1.18257	.49804	2.37444
4.022	24.633	5.64809	1.41139	.00986	-.01136	.00382	.00406	-.13291	1.27684	.59723	2.14128
	GRADIENT	-.00110	.04324	-.00072	.00169	-.00055	-.00007	.00023	.04426	.00150	.69938

LA-9 LARC LTPT 130 NAR D8/B-MOD. NOSE +CMS (RP7012) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .251
ELEVTR = .000 RUDFLR = .000
CT-LOC = 1.000 R/L = 6.820

RUN NO. 52/ 0 RN/L = 5.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.882	-2.396	6.10594	-.06743	.05218	-.02550	.00155	.00290	-.10319	-.06519	.05495	-1.18624
5.868	-.049	6.11016	.03715	.05497	-.02336	.00010	.00290	-.10301	.03720	.05494	.67711
5.887	2.223	6.10711	.14025	.05289	-.01745	-.00113	.00272	-.10234	.13809	.05829	2.36915
5.848	4.815	6.09619	.25453	.04712	-.01320	-.00244	.00241	-.10366	.24992	.06745	3.70550
5.883	6.812	6.07969	.35485	.03699	-.00935	-.00374	.00256	-.10425	.34796	.07882	4.41456
5.902	9.143	6.05307	.47141	.02586	-.00654	-.00526	.00353	-.10677	.46163	.09846	4.68830
5.883	11.365	6.02204	.59483	.01156	-.00698	-.00518	.00297	-.10393	.58088	.12858	4.51851
5.876	13.767	5.98344	.75080	.00196	-.01078	-.00449	.00195	-.10704	.72877	.18057	4.03592
5.892	16.096	5.93666	.87785	-.00098	-.00998	-.00947	.00007	-.10280	.84370	.24244	3.48003
5.900	18.360	5.88426	1.01515	.00394	-.01520	-.01215	.00093	-.10652	.96224	.32349	2.97454
5.853	20.887	5.82001	1.20155	.00538	-.02395	-.00305	.00353	-.11641	1.12067	.43341	2.58573
5.885	23.100	5.78200	1.34633	.00504	-.02707	.00037	.00336	-.12338	1.23541	.53285	2.32038
5.869	25.264	5.68724	1.38654	.00791	.00685	-.00180	.00292	-.12542	1.25054	.59892	2.08799
	GRADIENT	-.00139	.04587	-.00074	.00184	-.00057	-.00007	-.00003	.04490	.00176	.70196

RUN NO. 53/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.851	-2.435	6.14499	-.07002	.05130	-.02632	.00158	.00306	-.10467	-.06777	.05423	-1.24964
7.862	-.023	6.15111	.03706	.05424	-.02196	.00008	.00285	-.10450	.03708	.05423	.68376
7.852	2.286	6.14803	.14281	.05238	-.01784	-.00113	.00271	-.10469	.14061	.05804	2.42268
7.854	4.644	6.13722	.25084	.04596	-.01328	-.00232	.00250	-.10435	.24830	.06612	3.72488
7.781	7.024	6.11932	.36826	.03603	-.00902	-.00394	.00250	-.10744	.36159	.08060	4.46908
7.785	9.349	6.09214	.48527	.02234	-.00609	-.00544	.00356	-.10938	.47520	.10088	4.71058
7.827	11.764	6.06192	.62222	.00926	-.00658	-.00335	.00306	-.10917	.60726	.13593	4.46761
7.765	14.180	6.02365	.77179	.00054	-.01036	-.00541	.00136	-.10815	.74815	.18953	3.94620
7.813	16.604	5.97701	.90043	.00185	-.00978	-.01431	-.00111	-.10177	.86238	.25909	3.32847
7.836	19.019	5.92535	1.06168	.00283	-.01728	-.01165	.00197	-.11242	1.00280	.34865	2.87602
7.778	21.530	5.86231	1.24552	.00515	-.02676	-.00184	.00471	-.12328	1.15654	.46181	2.50434
7.841	24.014	5.80553	1.39364	.00420	-.02486	.00240	.00391	-.12931	1.27131	.57099	2.22652
7.934	25.984	5.70345	1.52009	.01161	.02572	-.01764	-.00038	-.09679	1.18178	.58838	2.00854
	GRADIENT	-.00111	.04537	-.00075	.00184	-.00055	-.00008	.00003	.04441	.00167	.69785

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RP7013) (24 JUN 75)

REFERENCE DATA

SREF = 136.1806 SQ.IN. XMRP = 15.9636 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 8.000 MACH = .248
ELEVTR = .000 RUDFLR = .000
GT-LOC = 3.000 K/L = 6.820

RUN NO. 57/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.580	-2.166	6.00182	-.00649	.01311	-.00377	.00028	.00075	-.01395	-.00795	.01342	-.59544
2.598	-.093	6.00565	.00564	.00609	-.00229	.00002	.00063	-.01320	.00565	.00608	.92845
2.592	1.956	6.00181	.01770	-.00106	-.00165	-.00014	.00060	-.01274	.01773	-.00046	-38.60747
2.602	4.019	5.99058	.03081	-.00866	-.00087	-.00021	.00043	-.01212	.03135	-.00648	-4.83990
2.583	6.090	5.97136	.04287	-.01716	.00033	-.00045	.00041	-.01147	.04445	-.01252	-3.55080
2.583	8.110	5.94528	.05497	-.02567	.00099	-.00063	.00049	-.01097	.05804	-.01766	-3.28647
2.579	10.124	5.91237	.06935	-.03397	.00126	-.00081	.00046	-.01051	.07424	-.02125	-3.49378
2.579	12.171	5.87211	.08482	-.04247	.00134	-.00067	.00033	-.01061	.09186	-.02363	-3.88732
2.567	14.267	5.82247	.10078	-.05099	.00115	-.00073	.00027	-.00919	.11023	-.02458	-4.48451
2.566	16.254	5.76937	.11768	-.05662	.00078	-.00076	-.00019	-.00839	.12882	-.02142	-6.01269
2.551	18.359	5.70556	.13385	-.06267	.00021	-.00014	-.00043	-.00818	.14659	-.01739	-8.43181
2.576	20.322	5.65936	.14762	-.06809	-.00021	.00054	-.00053	-.00810	.16209	-.01258	-12.88184
2.576	22.427	5.58139	.16301	-.07497	.00049	.00090	-.00056	-.00882	.17928	-.00710	-25.23310
	GRADIENT	-.00182	.00631	-.00352	.00045	-.00008	-.00005	.00029	.00631	-.00322	-2.53040

RUN NO. 56/ 0 RN/L = 4.16 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.171	-2.396	6.08992	-.06492	.04746	-.02553	.00122	.00450	-.10606	-.06288	.05013	-1.25412
4.168	-.067	6.07467	.04363	.05069	-.02196	.0002.	.00456	-.10673	.04369	.05064	.86283
4.163	2.172	6.07223	.14731	.04858	-.01807	-.00075	.00419	-.10735	.14536	.05413	2.68527
4.159	4.505	6.06097	.25256	.04239	-.01408	-.00181	.00428	-.10870	.24845	.06210	4.00110
4.165	6.817	6.04448	.35271	.03284	-.01054	-.00248	.00467	-.11119	.34657	.07327	4.73004
4.147	8.829	6.01856	.46471	.01981	-.00583	-.00410	.00373	-.11494	.45616	.09090	5.01693
4.165	11.062	5.98530	.58199	.00637	-.00585	-.00474	.00612	-.11531	.56995	.11792	4.83337
4.163	13.361	5.94546	.71611	-.00518	-.00888	-.00365	.00606	-.11736	.69987	.16090	4.34962
4.162	15.661	5.89824	.86665	-.01420	-.01045	-.00423	.00561	-.11779	.83831	.22028	3.80558
4.161	17.833	5.84569	.99602	-.01318	-.01077	-.00582	.00497	-.11755	.95520	.29248	3.25564
4.151	20.126	5.78808	1.14306	.00022	-.01871	-.00393	.00389	-.12185	1.07319	.39353	2.72708
4.161	22.557	5.71884	1.31834	.00078	-.02750	.00296	.00241	-.12328	1.21718	.50645	2.40336
4.162	24.742	5.65167	1.43207	.00206	-.01957	.00797	.00183	-.13276	1.29971	.60124	2.16176
	GRADIENT	-.0[illegible]128	.04603	-.00075	.00167	-.00042	-.00004	-.00[illegible]37	.04514	.00172	.76648

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RPT013) (24 JUN 73)

REFERENCE DATA

SREF = 156.1800 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .248
ELEVTR = .000 RUDFLR = .000
CG-LOC = 9.000 K/L = 6.020

RUN NO. 55/ 0 RN/L = 6.16 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.154	-2.437	6.10499	-.06191	.04669	-.02676	.00115	.00489	-.10781	-.05987	.04928	-1.21492
6.143	-.083	6.11000	.04409	.04907	-.02314	.00000	.00481	-.10832	.04416	.04901	.90105
6.147	2.275	6.10771	.15125	.04679	-.01922	-.00100	.00473	-.10912	.14927	.05276	2.82949
6.160	4.489	6.09849	.25634	.04057	-.01555	-.00180	.00454	-.10955	.25238	.06051	4.17091
6.134	6.767	6.08046	.36520	.03026	-.01191	-.00274	.00501	-.11205	.35909	.07308	4.91366
6.153	9.023	6.05640	.47419	.01605	-.00779	-.00425	.00591	-.11546	.46561	.09022	5.16301
6.154	11.378	6.02159	.59939	.00188	-.00579	-.00501	.00642	-.11645	.58774	.12009	4.89006
6.144	13.680	5.98376	.74676	-.01033	-.00982	-.00468	.00603	-.11752	.72602	.16558	4.37044
6.144	16.105	5.93748	.90007	-.01765	-.01468	-.00432	.00473	-.11676	.86964	.21272	3.73679
6.142	18.459	5.88256	1.03897	-.01575	-.01396	-.00731	.00423	-.11674	.99050	.31404	3.15409
6.155	20.739	5.83063	1.19047	-.00332	-.02623	-.00405	.00430	-.12497	1.11451	.41845	2.66342
6.150	23.234	5.76738	1.36828	-.00749	-.03235	.00381	.00371	-.13224	1.26027	.53288	2.36500
6.161	25.358	5.70197	1.41769	-.00281	-.00180	.00536	.00282	-.13959	1.28229	.60463	2.12080
	GRADIENT		-.00092	.04589	-.00088	.00162	-.00043	-.00005	-.00026	.04502	.00161	.78267

RUN NO. 54/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.034	-2.429	8.14183	-.06711	.04567	-.02684	.00066	.00506	-.10831	-.06512	.04848	-1.34323
8.016	.007	8.14660	.04462	.04852	-.02261	-.00034	.00488	-.10857	.04461	.04853	.91937
8.010	2.336	8.14488	.15208	.04644	-.01933	-.00124	.00478	-.10975	.15047	.05260	2.85283
8.024	4.663	8.13425	.26111	.03935	-.01566	-.00216	.00487	-.11005	.25705	.06044	4.25262
8.014	7.008	8.11722	.37351	.02810	-.01189	-.00306	.00531	-.11278	.36729	.07346	4.99957
8.019	9.397	8.09031	.49325	.01322	-.00781	-.00461	.00645	-.11575	.48447	.09357	5.17748
8.018	11.743	8.05770	.61981	-.00127	-.00722	-.00495	.00646	-.11641	.60710	.12490	4.86068
8.015	14.230	8.01843	.77281	-.01351	-.01179	-.00403	.00559	-.11604	.75242	.17687	4.25417
8.011	16.704	5.97385	.93830	-.01946	-.01720	-.00439	.00452	-.11612	.90430	.25105	3.60212
8.014	19.070	5.92492	1.07995	-.00935	-.02114	-.00910	.00321	-.11665	1.02374	.34400	2.97595
8.016	21.610	5.86964	1.25256	-.00355	-.02994	-.00032	.00441	-.12710	1.16583	.45800	2.54549
8.005	23.930	5.82216	1.41848	-.00856	-.03527	.00934	.00355	-.13764	1.30003	.56753	2.29068
8.013	26.188	5.75214	1.43259	-.00443	.00697	.00608	.00194	-.14055	1.28749	.62325	2.04953
	GRADIENT		-.00102	.04626	-.00088	.00156	-.00040	-.00003	-.00027	.04541	.00168	.78387

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (RPT014) (24 JUN 73)

REFERENCE DATA

SREF = 136.1638 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5828 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .54
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 R/L = 2.440

RUN NO. 61/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.498	-2.279	6.04366	-.08028	.05093	-.02390	.00199	.00307	-.10595	-.05821	.05329	-1.09232
2.494	-.058	6.04910	.03877	.05316	-.02039	.00068	.00267	-.10642	.03883	.05372	.72284
2.496	2.123	6.04363	.15824	.05199	-.01680	-.00055	.00286	-.10454	.15622	.05708	2.38658
2.491	4.441	6.03193	.24803	.04613	-.01317	-.00195	.00299	-.10648	.24371	.06520	3.73815
2.491	6.465	6.01454	.34259	.03823	-.00746	-.00288	.00291	-.10616	.33610	.07657	4.38966
2.497	8.675	5.98866	.45496	.02570	-.00599	-.00405	.00359	-.10872	.44582	.09402	4.74200
2.496	10.928	5.95568	.57937	.01433	-.00779	-.00261	.00281	-.10956	.56615	.12390	4.56937
2.497	13.108	5.91614	.70879	.00458	-.00747	-.00407	.00240	-.10990	.68929	.16520	4.17234
2.500	15.328	5.86919	.83811	-.00008	-.00523	-.00580	.00008	-.10628	.80832	.22146	3.64989
2.494	17.482	5.81610	.94922	.00535	-.00555	-.01104	-.00309	-.10109	.90377	.29025	3.11376
2.499	19.762	5.75214	1.08412	.01196	-.01408	-.00173	-.00059	-.11075	1.01622	.37782	2.69072
2.486	21.910	5.68788	1.25277	.01624	-.02582	.00625	-.00343	-.11693	1.15642	.48254	2.39614
2.490	24.119	5.61263	1.38718	.01042	-.01830	.00211	-.00112	-.11769	1.26183	.57635	2.18934
	GRADIENT	-.00179	.04586	-.00073	.00160	-.00058	-.00011	.00001	.04491	.00176	.72250

RUN NO. 60/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN		CL	CD	L/D
4.125	-2.355	6.07287	-.05993	.05019	-.02509	.00157	.00308	-.10638	-.05781	.05261	-1.09894
4.133	-.081	6.07740	.04195	.05298	-.02203	.00014	.00300	-.10658	.04202	.05292	.79410
4.132	2.200	6.07397	.14636	.05102	-.01801	-.00108	.00293	-.10631	.14529	.05660	2.54949
4.124	4.374	6.06256	.24816	.04335	-.01424	-.00243	.00315	-.10723	.24398	.06414	3.80357
4.129	6.734	6.04390	.36224	.03551	-.01038	-.00354	.00300	-.10763	.35558	.07775	4.57346
4.135	8.935	6.01870	.47330	.02302	-.00859	-.00464	.00377	-.11044	.46399	.09617	4.82459
4.133	11.173	5.99659	.60255	.01155	-.01041	-.00374	.00306	-.11028	.58689	.12809	4.59741
4.116	13.379	5.94741	.73378	.00210	-.01049	-.00475	.00300	-.11224	.71338	.17183	4.15168
4.132	15.648	5.90145	.85947	-.00285	-.00700	-.00597	.00087	-.10859	.82838	.22908	3.61611
4.136	17.816	5.84803	.96466	.00471	-.00756	-.01027	-.00072	-.10501	.91695	.29963	3.06026
4.127	20.094	5.78521	1.12784	.00644	-.02071	-.00127	.00074	-.11429	1.05698	.39353	2.68587
4.139	22.442	5.72365	1.31838	.00272	-.03368	-.00135	.00163	-.12168	1.21749	.50580	2.40705
4.127	24.779	5.64609	1.42286	.00275	-.01120	-.00087	.00235	-.13018	1.29071	.59885	2.15533
	GRADIENT	-.00147	.04578	-.00073	.00163	-.00059	.00001	-.00012	.04484	.00170	.73335

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (RP7014) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0138 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .254
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 59/ 0 RN/L = 6.12 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.124	-2.406	6.10823	-.06623	.04961	-.02627	.00154	.00340	-.10604	-.06411	.05234	-1.22471
6.114	-.033	6.11203	.04256	.05217	-.02176	.00005	.00332	-.10567	.04259	.05214	.81664
6.107	2.251	6.10841	.14492	.05054	-.01853	-.00114	.00341	-.10611	.14287	.05607	2.54811
6.112	4.460	6.09939	.24884	.04443	-.01480	-.00249	.00339	-.10756	.24463	.06365	3.84353
6.097	6.753	6.08021	.36012	.03459	-.01139	-.00375	.00353	-.10811	.35355	.07670	4.60963
6.108	9.086	6.05439	.47889	.02087	-.00938	-.00497	.00408	-.10999	.46959	.09623	4.87983
6.125	11.396	6.02410	.61145	.00915	-.01072	-.00353	.00333	-.10991	.59759	.12978	4.60445
6.109	13.721	5.98469	.75045	-.00085	-.01112	-.00501	.00360	-.11249	.72923	.17718	4.11582
6.116	16.123	5.93846	.88799	-.00359	-.00882	-.00626	.00171	-.11014	.85461	.24123	3.54272
6.106	18.360	5.88420	1.00684	.00694	-.01463	-.00840	.00149	-.11066	.95340	.32374	2.94697
6.100	20.754	5.82635	1.19977	.00231	-.02939	-.00546	.00240	-.11716	1.12110	.42730	2.62366
6.118	23.094	5.76299	1.35444	-.00257	-.03343	-.00371	.00195	-.12107	1.24691	.52891	2.35751
6.120	25.402	5.69943	1.44166	-.00202	-.00851	.00271	.00421	-.14180	1.30315	.61660	2.11343
	GRADIENT	-.00131	.04588	-.00074	.00165	-.00058	.00000	-.00022	.04496	.00165	.74041

RUN NO. 58/ 0 RN/L = 6.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.092	-2.468	6.14730	-.06752	.04935	-.02638	.00122	.00332	-.10755	-.06534	.05222	-1.25124
6.081	-.082	6.15092	.03818	.05194	-.02245	-.00023	.00334	-.10730	.03826	.05188	.73738
6.094	2.251	6.14974	.14652	.05000	-.01893	-.00152	.00322	-.10813	.14444	.05572	2.59230
6.089	4.590	6.13862	.25614	.04331	-.01452	-.00291	.00345	-.10991	.25185	.06357	3.95553
6.081	6.980	6.12018	.37340	.03290	-.01014	-.00403	.00350	-.10948	.36663	.07803	6.69877
6.090	9.281	6.09492	.48930	.01919	-.00876	-.00541	.00419	-.11141	.47980	.09785	4.90334
6.075	11.705	6.06500	.63263	.00655	-.01028	-.00376	.00324	-.11171	.61815	.13474	4.58786
6.095	14.105	6.02717	.77486	-.00426	-.01040	-.00584	.00355	-.11409	.75254	.18470	4.07444
6.068	16.546	5.97908	.90713	-.00497	-.00800	-.00868	.00148	-.11013	.87098	.25357	3.43488
6.089	18.937	5.92761	1.05034	.00591	-.01839	-.00695	.00215	-.11462	.99158	.34645	2.86215
6.092	21.389	5.87178	1.23892	-.00021	-.03102	-.00571	.00223	-.11981	1.15367	.45164	2.55440
6.102	23.871	5.80502	1.38967	-.00452	-.02845	-.00669	.00232	-.12229	1.27263	.55822	2.27973
6.022	26.111	5.71280	1.39195	.00055	.01770	-.01510	.00129	-.11679	1.24964	.61312	2.03817
	GRADIENT	-.00115	.04591	-.00085	.00165	-.00058	.00001	-.00021	.04499	.00162	.74361

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OM3 (RPT015) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.254
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 62/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.500	-2.307	6.04137	-.06447	.04[illegible]8	-.02552	.00071	.00481	-.10644	-.06262	.04734	-1.32285
2.497	-.040	6.04580	.03694	.04646	-.01982	-.00035	.00436	-.10658	.03697	.04644	.79614
2.508	2.220	6.04280	.14253	.04470	-.01759	-.00130	.00424	-.10761	.14069	.05019	2.80300
2.497	4.273	6.03084	.23807	.03929	-.01475	-.00268	.00454	-.10653	.23448	.05692	4.11928
2.494	6.501	6.01350	.34886	.03004	-.01207	-.00467	.00451	-.10989	.34322	.06934	4.94984
2.501	8.628	5.98693	.45301	.01911	-.00965	-.00[illegible]	.00553	-.10979	.44502	.08686	5.12344
2.491	10.879	5.95332	.56094	.00371	-.00[illegible]6	-.00851	.00558	-.11147	.56980	.11328	5.02994
2.510	13.068	5.91442	.70125	-.01008	.00056	-.00340	.00442	-.10980	.68537	.14874	4.60767
2.504	15.333	5.86834	.83988	-.02073	-.00639	.00846	.00272	-.11225	.81546	.20210	4.03497
2.504	17.523	5.81299	.98396	-.01829	-.01[illegible]	-.01159	-.00244	-.09589	.94381	.27881	3.38513
2.500	19.856	5.74747	1.18263	.00093	-[illegible]	-.00520	.00424	-.11394	1.11193	.40277	2.76072
2.508	21.959	5.68258	1.33193	.00547	-.[illegible]992	-.00658	.00582	-.11811	1.23328	.50313	2.45116
2.509	24.197	5.60600	1.45643	.00268	-.03277	-.00310	.00723	-.12636	1.32737	.59941	2.21448
	GRADIENT	-.00153	.04605	-.00081	.00157	-.00051	-.00002	-.00006	.04522	.00146	.83486

RUN NO. 63/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
3.987	-2.315	6.07141	-.06381	.04428	-.02645	.00112	.00429	-.10906	-.06198	.04682	-1.32372
3.993	-.057	6.07592	.03803	.04581	-.02154	-.00009	.00427	-.10928	.03808	.04577	.83185
3.996	2.176	6.07279	.13937	.04378	-.01833	-.00147	.00443	-.11031	.13761	.04905	2.80973
3.995	4.408	6.06265	.24626	.03801	-.01532	-.00287	.00413	-.11105	.24261	.05682	4.26942
3.995	6.654	6.04260	.35949	.02764	-.01100	-.00460	.00464	-.11096	.35384	.06931	5.10534
3.999	8.872	6.01642	.46827	.01420	-.00768	-.00689	.00556	-.11324	.46048	.08624	5.33931
3.989	11.134	5.98211	.58825	-.00108	-.00589	-.00787	.00531	-.11268	.57738	.11253	5.13071
4.010	13.420	5.94332	.72876	-.01480	-.00540	-.00666	.00363	-.10981	.71229	.15474	4.60303
4.007	15.726	5.89617	.86821	-.02694	-.00528	-.00729	.00101	-.10580	.84302	.20938	4.02621
4.004	17.894	5.84422	1.00053	-.03122	-.00435	-.01296	-.00128	-.10009	.96172	.27771	3.46307
4.004	20.213	5.78118	1.14635	-.01637	-.01429	-.00768	.00095	-.10881	1.08140	.38072	2.84043
4.003	22.591	5.70971	1.35735	-.00158	-.03582	.00009	.00634	-.12332	1.25382	.51996	2.41137
3.989	24.847	5.63142	1.47483	-.00369	-.02319	-.00330	.00509	-.12039	1.33986	.61637	2.17380
	GRADIENT	-.00131	.04607	-.00093	.00163	-.00060	-.00001	-.00031	.04525	.00148	.83767

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OK5 (RP7015) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.254
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 64/ 0 RN/L = 5.88 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.864	-2.370	6.10931	-.06413	.04349	-.02619	.00106	.00430	-.11042	-.06228	.04610	-1.35092
5.867	-.057	6.11296	.04076	.04540	-.02153	-.00027	.00426	-.10984	.04080	.04536	.89957
5.867	2.244	6.11106	.14613	.04279	-.01835	-.00161	.00430	-.11147	.14434	.04848	2.97725
5.865	4.665	6.09959	.26355	.03518	-.01475	-.00315	.00435	-.11225	.25973	.05749	4.51787
5.865	6.767	6.08147	.36600	.02616	-.01148	-.00449	.00455	-.11235	.36036	.06910	5.21500
5.865	9.129	6.05343	.48425	.01108	-.00802	-.00708	.00558	-.11433	.47635	.08778	5.42689
5.854	11.412	6.02047	.60957	-.00446	-.00552	-.00791	.00535	-.11430	.59841	.11624	5.14814
5.859	13.790	5.98087	.75268	-.01871	-.00730	-.00656	.00354	-.11092	.73544	.16124	4.56106
5.860	16.137	5.93745	.89683	-.02968	-.00894	-.00658	.00046	-.10671	.86975	.22074	3.94015
5.864	18.505	5.88135	1.03840	-.03062	-.00975	-.01369	-.00183	-.10077	.99444	.30053	3.30894
5.867	20.738	5.82339	1.19129	-.01890	-.02315	-.00578	.00106	-.11073	1.12080	.40415	2.77320
5.867	23.195	5.75321	1.39135	-.00667	-.04003	.00285	.00595	-.12566	1.28151	.54187	2.36499
5.876	25.433	5.66804	1.44969	-.00763	-.00769	-.01090	.00504	-.11654	1.31247	.61570	2.13169
	GRADIENT	-.00134	.04651	-.00106	.00160	-.00060	.00001	-.00030	.04570	.00160	.64008

RUN NO. 65/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.881	-2.427	6.14444	-.06512	.04154	-.02824	.00061	.00474	-.10935	-.06530	.04428	-1.43012
7.862	-.006	6.14977	.04553	.04403	-.02450	-.00077	.00469	-.10976	.04553	.04403	1.03417
7.885	2.324	6.14709	.15199	.04110	-.02043	-.00200	.00471	-.11066	.15020	.04722	3.18062
7.859	4.620	6.13744	.26295	.03471	-.01751	-.00335	.00464	-.11194	.25930	.05578	4.64870
7.890	7.032	6.11789	.37946	.02295	-.01414	-.00498	.00472	-.11122	.37379	.06924	5.39892
7.884	9.358	6.09172	.49273	.00829	-.01053	-.00717	.00545	-.11361	.48483	.08830	5.49087
7.866	11.742	6.05978	.62954	-.00701	-.00843	-.00754	.00487	-.11345	.61779	.12125	5.09511
7.852	14.259	6.02175	.78190	-.02127	-.00974	-.00601	.00265	-.11084	.76305	.17198	4.43588
7.867	16.590	5.98051	.92750	-.03013	-.01291	-.00721	-.00018	-.10591	.89749	.23594	3.80386
7.861	19.041	5.92925	1.08673	-.02289	-.02075	-.01139	-.00160	-.10502	1.03474	.33291	3.10815
7.886	21.465	5.86937	1.26157	-.02027	-.03405	-.00247	.00103	-.11418	1.18133	.44320	2.66544
7.877	23.987	5.79716	1.42377	-.01867	-.03827	.00174	.00157	-.11634	1.30840	.56176	2.32912
7.872	26.223	5.71206	1.45173	-.01037	-.00186	-.00930	.00570	-.12448	1.31587	.63660	2.06703
	GRADIENT	-.00095	.04646	-.00099	.00155	-.00056	-.00001	-.00037	.04569	.00160	.86939

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RP7016) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0108 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .257
ELEVTR = .000 RUDFLR = .000
GT-LOC = 2.000 K/L = 2.030

RUN NO. 101/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.536	-2.351	.00256	-.06639	.05056	-.01780	-.00061	-.00375	.00550	-.06426	.05324	-1.20689
2.538	-.156	.00135	.03545	.05247	-.01288	-.00076	-.00366	.00772	.03560	.05237	.67970
2.536	1.992	.00110	.13355	.04987	-.00870	-.00085	-.00337	.00743	.13173	.05449	2.41780
2.532	4.182	.00137	.23997	.04353	-.00590	-.00087	-.00359	.00746	.23616	.06091	3.87716
2.532	6.352	.00077	.33994	.03340	-.00276	-.00088	-.00338	.00811	.33415	.07080	4.71942
2.533	8.501	.00071	.44443	.02080	.00199	-.00075	-.00344	.00841	.43647	.08627	5.05930
2.538	10.674	.00175	.55818	.00812	.00622	-.00045	-.00375	.00712	.54702	.11137	4.91169
2.534	12.991	.00146	.69415	-.00433	.00282	-.00047	-.00392	.00918	.67735	.15182	4.46157
2.533	15.119	.00108	.83285	-.01275	-.00115	.00038	-.00384	.00872	.80734	.20492	3.93987
2.536	17.333	.00040	.96869	-.01045	-.00133	.00127	-.00253	.00641	.92782	.27862	3.33002
2.530	19.557	-.00005	1.15027	.00465	-.02057	-.00148	-.00286	.00833	1.08236	.38942	2.77941
2.530	21.812	-.00002	1.30191	.00543	-.02253	.00167	-.00209	.00890	1.20568	.48878	2.46674
2.539	23.906	.00118	1.40292	.00786	-.01470	.00376	-.00233	.00409	1.27938	.57570	2.22231
2.524	26.025	.00089	1.41955	.00903	.02367	.00162	-.00249	.00515	1.27154	.63097	2.01538
2.532	27.831	-.00638	1.32695	.02828	.06284	-.01583	.00058	.01277	1.16026	.84450	1.60024
	GRADIENT	-.00018	.04677	-.00109	.00183	-.00004	.00004	.00026	.04586	.00116	.78125

RUN NO. 102/ 0 RN/L = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.122	-2.338	.00125	-.06312	.04954	-.01646	-.00100	-.00326	.00779	-.06105	.05207	-1.17243
4.118	-.114	.00073	.03846	.05172	-.01285	-.00106	-.00325	.00840	.03756	.05164	.74667
4.103	2.122	.00140	.14087	.04922	-.00881	-.00117	-.00355	.00844	.13895	.05441	2.55395
4.083	4.424	.00089	.24858	.04223	-.00628	-.00117	-.00351	.00894	.24458	.06128	3.99130
4.119	6.472	.00139	.34480	.03159	-.00308	-.00138	-.00359	.00854	.33904	.07026	4.82576
4.128	8.737	.00090	.45521	.01821	.00154	-.00118	-.00343	.00871	.44716	.08714	5.13140
4.125	11.045	.00036	.57400	.00448	.00516	-.00066	-.00342	.00935	.56251	.11436	4.91857
4.118	13.251	.00092	.70266	-.00861	.00450	-.00011	-.00425	.01103	.68592	.15268	4.49248
4.104	15.649	-.00075	.85825	-.01801	-.00018	-.00015	-.00351	.01101	.83129	.21416	3.88169
4.100	17.763	.00055	.99183	-.02159	.00249	.00066	-.00320	.00847	.94161	.27898	3.37516
4.102	19.992	-.00031	1.11103	.00074	-.01071	-.00055	-.00253	.00766	1.04380	.38054	2.74302
4.104	22.253	.00092	1.27685	.00220	-.02005	.00678	-.00182	.00400	1.18092	.48558	2.43198
4.099	24.499	.00065	1.40153	.00305	-.00931	.00707	-.00534	.01443	1.27409	.58398	2.18182
4.097	26.599	.00163	1.40907	.00919	.02631	.00401	-.00729	.01869	1.25582	.63913	1.96490
4.078	28.330	-.00486	1.27326	.02761	.07226	-.00472	-.00468	.02019	1.10765	.62853	1.76231
	GRADIENT	-.00002	.04607	-.00109	.00153	-.00003	-.00005	.00015	.04517	.00136	.76762

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RPTD16) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.3628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .257
ELEVTR = .000 RUDFLR = .000
GT-LOC = 2.000 K/L = 2.030

RUN NO. 103/ 0 RN/L = 6.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CLL	CYN	CY	CL	CD	L/D
6.076	-2.367	.00347	-.06228	.04925	-.01715	-.00069	-.00347	.00701	-.05019	.05178	-1.16233
6.073	-.001	.00229	.04377	.05075	-.01285	-.00101	-.00345	.00794	.04377	.05075	.86240
6.080	2.195	.00209	.14521	.04817	-.00919	-.00115	-.00347	.00817	.14326	.05369	2.66841
6.066	4.453	.00211	.25020	.04086	-.00626	-.00110	-.00349	.00823	.24627	.06016	4.09342
6.080	6.689	.00150	.35580	.02945	-.00314	-.00124	-.00347	.00868	.34995	.07069	4.95023
6.088	9.015	.00085	.46917	.01567	.00093	-.00110	-.00346	.00920	.46092	.08899	5.17935
6.068	11.274	.00146	.58673	[illegible]156	.00474	-.00073	-.00358	.00903	.57510	.11623	4.94803
6.051	13.585	.00191	.72272	-[illegible]31	.00425	.00021	-.00421	.01041	.70539	.15776	4.47066
6.074	15.903	.00235	.87133	-.02019	-.00116	-.00053	-.00456	.01103	.84351	.21934	3.84563
6.062	18.230	.00182	1.00691	-.02379	-.00110	.00097	-.00374	.00913	.96378	.29255	3.29436
6.065	20.584	.00221	1.16683	-.00635	-.01920	-.00201	-.00238	.00485	1.09456	.40428	2.70746
6.063	23.034	.00302	1.35309	-.00480	-.02699	-.00236	-.00009	-.00246	1.24710	.52501	2.37539
6.079	25.275	.00894	1.43854	-.00580	-.00394	.00708	-.00016	-.00759	1.30340	.60900	2.14022
6.007	27.310	.01266	1.43114	.00233	.03897	.00816	-.00195	-.00623	1.27055	.65870	1.92889
	GRADIENT	-.00019	.04585	-.00122	.00160	-.00003	-.00000	.00017	.04497	.00123	.77610

RUN NO. 104/ 0 RN/L = 8.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	LM	CBL	CYN	CY	CL	CD	L/D
8.202	-2.431	.00664	-.06308	.04849	-.01729	-.00068	-.00363	.00619	-.06097	.[illegible]13	-1.19249
8.187	-.078	.00582	.04451	.05029	-.01311	-.00080	-.00361	.00662	.04458	.05023	.88744
8.208	2.215	.00597	.14879	.04749	-.00982	-.00095	-.00362	.00658	.14635	.05320	2.76022
8.187	4.609	.00419	.26077	.03953	-.00614	-.00099	-.00356	.00752	.25675	.06035	4.25424
8.184	6.914	.00531	.36913	.02746	-.00296	-.00104	-.00362	.00699	.36314	.07170	5.06504
8.174	9.252	.00420	.48584	.01328	.00110	-.00089	-.00353	.00742	.47738	.09122	5.23318
8.176	11.592	.00460	.60726	-.00158	.00402	-.00055	-.00368	.00757	.59519	.12047	4.94056
8.172	14.019	.00529	.75114	-.01576	.00223	.00086	-.00468	.00998	.73258	.16667	4.39534
8.176	16.374	.00517	.90415	-.02139	-.00318	-.00041	-.00473	.01017	.87351	.23436	3.72722
8.151	18.842	.00590	1.03663	-.02189	-.00146	-.00113	-.00539	.01154	.98815	.31407	3.14623
8.143	21.123	.00932	1.16792	-.00317	-.01360	.00932	-.00325	.[illegible]308	1.09059	.41794	2.60945
8.128	23.678	.00297	1.39395	-.00791	-.02669	-.00225	-.00069	-.[illegible]004	1.27978	.55256	2.31610
	GRADIENT	-.00031	.04595	-.00127	.00157	-.00005	.00001	.[illegible]017	.04508	.00131	.77758

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RP7016) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .257
ELEVTR = .000 RUDFLR = .000
GT-LOC = 2.000 K/L = 2.030

RUN NO. 105/ 0 RN/L = 9.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
10.086	-2.494	.00729	-.06801	.04784	-.01745	-.00069	-.00357	.00653	-.06386	.05067	-1.26036
10.034	-.028	.00615	.04642	.05000	-.01315	-.00084	-.00351	.00691	.04685	.04998	.93731
10.062	2.305	.00586	.15286	.04693	-.00936	-.00092	-.00355	.00720	.15085	.05304	2.84420
10.053	4.762	.00503	.26634	.03859	-.00556	-.00092	-.00352	.00754	.26222	.06056	4.32965
10.044	7.100	.00406	.37812	.02625	-.00256	-.00100	-.00353	.00803	.37198	.07279	5.11050
10.057	9.360	.00382	.49957	.01109	.00195	-.00085	-.00345	.0075	.49079	.09391	5.22636
10.058	12.180	.00470	.63750	-.00588	.00558	-.00045	-.00363	.00799	.62439	.12876	4.84943
10.029	14.640	.00748	.79470	-.01812	-.00001	.00176	-.00603	.01338	.77348	.18332	4.21930
10.061	17.096	.00429	.94585	-.02353	-.00399	-.00010	-.00426	.00998	.91098	.25557	3.56454
10.057	19.371	.00855	1.05778	-.01130	-.00539	.00158	-.00512	.01020	1.00164	.34020	2.94430
10.033	21.864	.01229	1.20519	-.00026	-.01447	.01165	-.00354	.00360	1.11860	.44858	2.49363
10.043	24.349	.00098	1.43231	-.00945	-.02213	.00093	-.00147	.00370	1.30677	.58648	2.22814
9.922	26.358	.00904	1.46482	-.00741	.01899	.00422	-.00202	.00078	1.31358	.64828	2.02624
	GRADIENT	-.00029	.04578	-.00128	.00164	-.00003	.00000	.00014	.04491	.00136	.77501

RUN NO. 106/ 0 RN/L = 11.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
11.872	-2.536	.00564	-.06617	.04756	-.01683	-.00075	-.00337	.00697	-.06401	.05024	-1.27411
11.863	-.049	.00476	.04456	.04964	-.01277	-.00089	-.00343	.00757	.04460	.04960	.89912
11.868	2.364	.00404	.15142	.04645	-.00902	-.00100	-.00344	.00794	.15238	.05278	2.88718
11.878	4.909	.00365	.27243	.03744	-.00507	-.00103	-.00338	.00794	.26823	.06061	4.42531
11.848	7.162	.00243	.38137	.02530	-.00189	-.00110	-.00340	.00858	.37524	.07265	5.16495
11.856	9.707	.00115	.50710	.00940	.00277	-.00095	-.00332	.00896	.49826	.09477	5.25738
11.886	12.155	.00248	.63344	-.00637	.00641	-.00052	-.00349	.00882	.62058	.12715	4.88059
11.867	14.754	.00659	.79620	-.01965	.00077	.00185	-.00629	.01484	.77495	.18376	4.21731
11.839	17.220	.00302	.95665	-.02511	-.00374	-.00036	-.00423	.01064	.92121	.25922	3.55375
11.852	19.665	.00574	1.07183	-.01211	-.00380	-.00002	-.00501	.01152	1.01339	.34930	2.90125
11.839	22.084	.00929	1.22181	-.00295	-.01216	.01020	-.00339	.00507	1.13328	.45662	2.48188
11.839	24.581	-.00048	1.45430	-.01201	-.02084	.00322	-.00231	.00687	1.32437	.60098	2.20368
11.740	26.771	-.01131	1.47150	-.01133	.01411	-.00373	-.00465	.01919	1.31887	.65269	2.02066
	GRADIENT	-.00027	.04549	-.00134	.00158	-.00004	-.00000	.00013	.04463	.00139	.77076

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RPT017) (15 AUG 73)

REFERENCE DATA

SREF = 136.1606 SQ.IN. XMRP = 15.9636 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5626 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .262
ELEVTR = .000 RUDFLR = 10.000
GT-LOC = 2.000 K/L = 2.030

RUN NO. 113/ 0 RN/L = 2.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.415	-2.342	.00268	-.07391	.07023	-.00717	-.00086	-.00349	.00449	-.07097	.07319	-.96967
2.417	-.038	.00247	.02953	.07177	-.00479	-.00051	-.00359	.00522	.02958	.07175	.41220
2.414	2.107	.00275	.13294	.06893	-.00103	-.00063	-.00380	.00522	.13031	.07377	1.76659
2.421	4.301	.00266	.23616	.06173	.00075	-.00056	-.00395	.00586	.23086	.07926	2.91257
2.419	6.398	.00183	.33194	.05144	.00843	-.00057	-.00380	.00712	.32414	.08811	3.67890
2.415	8.652	.00163	.44071	.03924	.00787	-.00047	-.00381	.00752	.43275	.10555	4.10012
2.418	10.825	.00137	.55788	.02637	.01180	-.00015	-.00396	.00848	.54300	.13068	4.15524
2.423	13.043	.00101	.68569	.01443	.00979	-.00012	-.00437	.01041	.66474	.16880	3.93795
2.417	15.229	.00163	.83162	.00611	.00548	.00077	-.00370	.00718	.80081	.22434	3.56961
2.414	17.410	.00172	.96973	.01235	.00305	.00106	-.00264	.00389	.92161	.30193	3.05241
2.418	19.488	.00155	1.13687	.02370	-.01653	-.00052	-.00398	.00810	1.06383	.40162	2.64884
2.415	21.640	.00097	1.29227	.02550	-.01520	.00137	-.00293	.00630	1.19004	.50441	2.35925
2.413	24.060	.00232	1.40066	.02646	-.00232	.00407	-.00233	.00156	1.26818	.59520	2.13069
2.415	26.085	.00119	1.38060	.02962	.04309	-.00041	-.00317	.00629	1.22695	.63366	1.93629
2.415	28.007	-.00752	1.31169	.04446	.08088	-.01698	.00179	.01194	1.13720	.65519	1.73569
	GRADIENT	.00001	.04682	-.00127	.00123	.00004	-.00007	.00019	.04557	.00091	.58904

RUN NO. 112/ 0 RN/L = 4.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.079	1.950	.00383	2.00695	.07770	.17261	-.00106	-.00354	.00529	2.00314	.14595	13.72526
4.079	4.285	.00188	2.11351	.08477	.17883	-.00122	-.00319	.00677	2.10126	.24246	8.66659
4.069	6.504	.00195	2.22552	.08747	.18201	-.00127	-.00334	.00710	2.20129	.33899	6.49371
4.080	8.658	.00214	2.31349	.08560	.18497	-.00129	-.00350	.00733	2.28725	.43287	5.25384
4.069	10.891	.00160	2.42885	.08065	.18668	-.00132	-.00352	.00804	2.39836	.53812	4.40398
4.076	13.036	.00179	2.52784	.07335	.18984	-.00116	-.00368	.00827	2.44614	.64167	3.81216
4.080	13.292	.00202	2.64241	.06492	.19271	-.00069	-.00382	.00836	2.53173	.75953	3.33330
4.072	17.615	.00123	2.78520	.05733	.19125	-.00004	-.00464	.01173	2.63725	.89749	2.93848
4.071	19.781	.00199	2.92345	.05416	.18633	-.00040	-.00409	.00916	2.73262	1.04032	2.62671
4.074	22.217	.00009	3.05962	.05776	.18713	.00147	-.00187	.00524	2.81064	1.21034	2.32219
4.076	24.192	-.00006	3.17135	.08374	.17647	.00111	-.00243	.00722	2.85852	1.37598	2.07743
4.073	26.315	.00177	3.33268	.08855	.16925	.00655	-.00225	.00410	2.94807	1.55676	1.89373
4.059	28.717	.00003	3.47131	.09650	.18152	.00611	-.00516	.01475	2.99797	1.75256	1.71062
4.067	30.485	.00072	3.45064	.10558	.21493	.00228	-.00640	.01737	2.92008	1.84153	1.58568
4.068	32.426	.00458	3.29832	.12776	.26434	.00333	-.00403	.00526	2.71557	1.87642	1.44721
	GRADIENT	-.00084	.04564	.00303	.00266	-.00007	.00015	.00063	.04202	.04133	-2.16645

LA-6 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RP7017) (13 AUG 73)

REFERENCE DATA

SREF =	136.1808 SQ IN.	XMRP =	15.9636 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.262
ELEVTR =	.000	RUDFLR =	10.000
GT-LOC =	2.000	K/L =	2.030

RUN NO. 110/ 0 RN/L = 6.10 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
6.145	-2.379	.00477	-.07150	.06887	-.00745	-.00069	-.00338	.00568	-.06858	.07178	-.95540
6.143	-.118	.00436	.03346	.07031	-.00407	-.00084	-.00345	.00620	.03361	.07024	.47842
6.130	2.226	.00484	.14007	.06738	-.00136	-.00084	-.00365	.00638	.13734	.07277	1.88728
6.127	4.454	.00444	.24425	.05977	.00169	-.00086	-.00368	.00679	.23887	.07856	3.04056
6.135	6.729	.00370	.35003	.04829	.00472	-.00091	-.00364	.00729	.34196	.08897	3.84374
6.131	8.968	.00321	.46272	.03554	.00846	-.00077	-.00369	.00784	.45152	.10724	4.21054
6.147	11.381	.00320	.58695	.02018	.01179	-.00043	-.00387	.00836	.57143	.13558	4.21472
6.146	13.513	.00459	.70948	.00756	.01080	.00041	-.00457	.00916	.68807	.17314	3.97409
6.126	15.950	.00367	.87065	-.00080	.00577	-.00003	-.00463	.01008	.83735	.23849	3.51105
6.148	18.653	.00446	1.01911	-.00379	.00727	.00028	-.00494	.01028	.96679	.32235	2.99917
6.136	20.852	.00287	1.17675	.01386	-.01292	-.00161	-.00247	.00455	1.09474	.43162	2.53516
6.124	23.010	.00465	1.34500	.01386	-.01847	-.00227	-.00051	-.00269	1.23256	.53851	2.28884
6.127	25.245	.01389	1.42951	.01311	.00632	.00894	-.00033	-.01158	1.28739	.62153	2.07135
6.095	27.271	.00849	1.44002	.01676	.04764	.00363	-.00304	.00086	1.27228	.67471	1.88568
	GRADIENT	-.00002	.04613	-.00132	.00132	-.00002	-.00005	.00015	.04492	.00100	.58660

RUN NO. 108/ 0 RN/L = 8.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
8.293	-2.405	.00700	-.07372	.06828	-.00782	-.00067	-.00343	.00538	-.07079	.07131	-.99261
8.284	-.082	.00602	.03091	.06932	-.00430	-.00082	-.00346	.00608	.03101	.06928	.44758
8.285	2.202	.00604	.13670	.06638	-.00134	-.00082	-.00354	.00630	.13405	.07158	1.87266
8.250	4.677	.00643	.25313	.05821	.00220	-.00081	-.00369	.00645	.24754	.07865	3.14720
8.255	6.892	.00525	.35898	.04700	.00500	-.00087	-.00363	.00704	.35075	.08973	3.90880
8.249	9.178	.00519	.47204	.03332	.00851	-.00071	-.00377	.00747	.46069	.10818	4.25839
8.245	11.649	.00544	.60075	.01761	.01257	-.00041	-.00399	.00790	.58462	.13855	4.22113
8.240	14.026	.00651	.74141	.00317	.01005	.00071	-.00489	.00979	.71854	.18277	3.93134
8.229	16.439	.00523	.89997	-.00284	.00410	-.00051	-.00487	.01052	.86399	.25197	3.42898
8.233	18.800	.00676	1.02560	-.00146	.00515	-.00079	-.00461	.00902	.97136	.32913	2.95127
8.253	21.255	.01040	1.16612	.01408	-.00502	.00892	-.00330	.00256	1.08169	.43585	2.48178
8.218	23.725	.00314	1.37767	.01036	-.01652	-.00141	-.00145	.00203	1.25707	.56378	2.22974
8.227	25.982	.01695	1.44691	.01031	.01473	.00809	-.00115	-.00827	1.29616	.64314	2.01537
8.226	28.079	.00433	1.41682	.01726	.05608	-.00086	-.00170	.00186	1.24193	.68212	1.82070
	GRADIENT	-.00007	.04617	-.00142	.00140	-.00002	-.00004	.00015	.04497	.00105	.58791

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RP7018) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.3628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 114/ 0 RN/L = 2.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.477	-2.331	.00246	-.05940	.05505	-.01875	-.00074	-.00366	.00546	-.05711	.05742	-.99462
2.476	-.030	.00212	.04704	.05649	-.01536	-.00089	-.00374	.00541	.04707	.05647	.83359
2.467	2.269	.00258	.15177	.05313	-.00984	-.00099	-.00376	.00549	.14955	.05910	2.53045
2.456	4.292	.00216	.24053	.04654	-.00673	-.00107	-.00371	.00518	.23637	.06441	3.66995
2.458	6.431	.00208	.34657	.03669	-.00389	-.00105	-.00377	.00650	.34028	.07528	4.52020
2.450	8.460	.00165	.44626	.02582	.00095	-.00089	-.00361	.00688	.43761	.09119	4.79965
2.46.	10.804	.00180	.56741	.01310	.00294	-.00043	-.00382	.00720	.55699	.11923	4.65411
2.461	12.765	.00118	.68595	.00325	.00018	-.00069	-.00383	.00851	.66828	.15473	4.31893
2.461	15.009	.00135	.82003	-.00456	-.00277	.00072	-.00361	.00750	.79323	.20795	3.81457
2.453	17.278	-.00003	.94606	-.00619	.00285	.00138	.00178	.00517	.90521	.27508	3.29067
2.455	19.380	-.00134	1.08012	.01667	-.01032	-.01205	-.00237	.00969	1.01338	.37415	2.70850
2.456	21.765	.00100	1.27641	.01289	-.02290	-.00293	-.00232	.00447	1.18047	.48567	2.43062
2.455	23.988	.00446	1.34843	.01419	.00650	.00631	-.00224	-.00341	1.22640	.56073	2.18713
2.457	25.860	-.00069	1.32996	.02406	.03705	-.00617	-.00229	.00810	1.18629	.60175	1.97140
2.463	27.527	-.00291	1.22127	.04342	.06961	-.01031	-.00277	.01450	1.06295	.60293	1.76297
	GRADIENT	-.00002	.04533	-.00128	.00188	-.00005	-.00001	.00005	.04435	.00105	.70932

RUN NO. 115/ 0 RN/L 3.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
3.970	-2.316	.00085	-.06305	.05411	-.01692	-.00090	-.00323	.00820	-.06081	.05662	-1.07405
3.963	.026	.00152	.04294	.05609	-.01275	-.00100	-.00373	.00879	.04291	.05611	.76482
3.959	2.283	.00047	.14614	.05307	-.00908	-.00101	-.00335	.00904	.14391	.05885	2.44558
3.961	4.585	-.00011	.25185	.04564	-.00534	-.00099	-.00337	.00982	.24739	.06563	3.76961
3.970	6.785	.00003	.35560	.03493	-.00152	-.00109	-.00328	.00937	.34398	.07570	4.54989
3.962	8.861	.00031	.45289	.02354	.00205	-.00090	-.00335	.00921	.44386	.09302	4.77191
3.949	11.123	-.00107	.57876	.01158	.00333	-.00088	-.00311	.01029	.56566	.12302	4.59803
3.957	13.344	-.00053	.72181	.00196	-.00186	-.00037	-.00312	.00963	.70187	.16850	4.16552
3.952	15.586	-.00151	.84849	-.00506	.00043	.00168	-.00212	.00804	.81865	.22311	3.66921
3.963	17.867	-.00308	.96737	-.00232	.00234	.00066	-.00166	.00875	.92143	.29460	3.12774
3.958	20.011	-.00115	1.12205	.00842	-.01190	-.00521	-.00323	.01076	1.05143	.39188	2.68307
3.964	22.382	-.00467	1.30506	.00945	-.01609	-.00576	-.00320	.01533	1.20315	.50567	2.37929
3.960	24.633	-.00158	1.33048	.01458	.02222	-.00198	-.00340	.01187	1.20332	.56780	2.11927
3.956	26.614	.00133	1.35768	.02190	.04423	.00131	-.00425	.01038	1.20402	.62779	1.91789
3.949	28.247	-.00160	1.20810	.04452	.07825	-.00310	-.00351	.01228	1.04317	.61098	1.70738
	GRADIENT	-.00017	.04563	-.00123	.00167	-.00001	-.00000	.00022	.04466	.00129	.70602

LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +OMS (RPTU18) (13 AUG 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	13.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.255
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 116/ 0 RN/L = 5.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.873	-2.370	.00297	-.06334	.05374	-.01744	-.00079	-.00338	.00718	-.06106	.05631	-1.08440
5.872	-.015	.00319	.04229	.05544	-.01317	-.00088	-.00340	.00705	.04230	.05543	.76303
5.868	2.263	.00156	.14591	.05302	-.00943	-.00092	-.00336	.00831	.14370	.05874	2.44641
5.881	4.521	.00204	.24843	.04565	-.00601	-.00091	-.00343	.00810	.24406	.06509	3.74944
5.875	6.815	.00123	.35769	.03448	-.00202	-.00093	-.00328	.00837	.35107	.07668	4.57845
5.857	9.009	.00109	.46473	.02246	.00200	-.00080	-.00331	.00855	.45548	.09495	4.79685
5.877	11.413	.00117	.59463	.00949	.00327	-.00076	-.00332	.00852	.58100	.12697	4.57601
5.873	13.744	-.00063	.74254	.00076	-.00215	-.00058	-.00308	.00937	.72109	.17715	4.07044
5.875	16.100	-.00160	.87922	-.00357	-.00212	.00178	-.00205	.00727	.84573	.24040	3.51805
5.863	18.373	-.00032	1.01441	.00568	-.00638	-.00224	-.00374	.01102	.96091	.32513	2.95545
5.872	20.854	.00064	1.22786	.00873	-.02490	.00164	-.00333	.00899	1.14432	.44526	2.57003
5.866	22.977	-.00210	1.31952	.00991	-.00645	-.00390	-.00388	.01301	1.21097	.52420	2.31012
5.869	25.258	-.00275	1.35637	.01332	.02600	-.00390	-.00393	.01393	1.22101	.59080	2.06670
5.874	27.141	-.00656	1.32198	.02571	.05236	-.00544	-.00335	.01562	1.16469	.62594	1.86072
	GRADIENT	-.00019	.04527	-.00115	.00166	-.00002	-.00001	.00017	.04430	.00128	.70560

RUN NO. 117/ 0 RN/L = 7.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.826	-2.444	.00393	-.06718	.05325	-.01628	-.00070	-.00337	.00715	-.06485	.05607	-1.15668
7.809	-.038	.00418	.04113	.05524	-.01361	-.00080	-.00344	.00718	.04117	.05521	.74563
7.852	2.323	.00265	.14792	.05200	-.00982	-.00089	-.00334	.00790	.14569	.05795	2.51389
7.814	4.690	.00236	.25786	.04438	-.00596	-.00088	-.00341	.00827	.25337	.06532	3.87906
7.800	7.014	.00235	.36720	.03274	-.00195	-.00096	-.00332	.00800	.36045	.07733	4.66092
7.813	9.143	.00078	.47129	.02089	.00315	-.00085	-.00337	.00915	.46198	.09551	4.83682
7.830	11.736	.00060	.61250	.00674	.00312	-.00072	-.00333	.00918	.59833	.13119	4.56085
7.805	14.015	.00001	.76142	.00013	-.00348	.00004	-.00307	.00680	.73872	.18452	4.00358
7.828	16.547	-.00030	.89961	.00419	-.00317	-.00297	-.00411	.01199	.86116	.26024	3.30915
7.832	18.972	.00391	1.06890	.01127	-.01607	.00333	-.00404	.00900	1.00717	.35816	2.81209
7.833	21.517	-.00006	1.26302	.00920	-.02232	.00316	-.00370	.01066	1.17162	.47180	2.48332
7.833	23.825	-.01069	1.34381	.00867	-.00056	-.00704	-.00644	.02564	1.22580	.55075	2.22569
7.792	25.855	-.00321	1.36232	.01535	.03354	-.00052	-.00518	.01101	1.21926	.60792	2.00561
7.735	27.715	-.04279	1.27800	.03416	.06235	-.02083	-.00235	.03693	1.11549	.62461	1.78589
	GRADIENT	-.00026	.04553	-.00125	.00172	-.00003	-.00000	.00017	.04457	.00128	.71031

LA-9 LARC LTPT 135 NAR 0898-MOD. NOSE +ONS (RP7018) (15 AUG 75)

REFERENCE DATA

SREF = 136.[illegible]908 SQ.IN. XMRP = 15.9838 INCHES
LREF = 8.[illegible]125 INCHES YMRP = .0000 INCHES
BREF = 17.5[illegible]26 INCHES ZMRP = .0000 INCHES
SCALE = .0188 [illegible]A.E

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 118/ 0 RN/L = 9.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
9.665	-2.477	.00597	-.06667	.05270	-.01786	-.00065	-.00341	.00674	-.06433	.05553	-1.15844
9.666	.098	.00579	.04807	.05451	-.01305	-.00075	-.00343	.00689	.04797	.05459	.87881
9.678	2.475	.00471	.15528	.05134	-.00934	-.00082	-.00348	.00759	.15291	.05800	2.63641
9.665	4.723	.00483	.26013	.04373	-.00561	-.00080	-.00344	.00740	.25565	.06500	3.93303
9.636	7.210	.00406	.37773	.03126	-.00177	-.00093	-.00346	.00783	.37082	.07842	4.72876
9.651	9.641	.00406	.49540	.01735	.00334	-.00066	-.00334	.00750	.48550	.10007	4.85137
9.623	12.029	.00199	.63038	.00479	.00349	-.00052	-.00332	.00850	.61554	.13606	4.52413
9.651	14.631	.00150	.79863	-.00038	-.00382	.00102	-.00295	.00839	.77283	.20136	3.83815
9.649	16.992	.00172	.93355	.00885	-.00783	-.00328	-.00443	.01182	.89021	.28128	3.16481
9.634	19.627	.00605	1.12473	.01199	-.02016	.00687	-.00362	.00719	1.05536	.38908	2.71245
9.631	22.121	-.00343	1.27037	.01022	-.01160	.00125	-.00454	.01485	1.17302	.48784	2.40451
9.586	24.464	-.00336	1.33582	.00970	.01722	-.00318	-.00489	.01596	1.21187	.56202	2.15626
	GRADIENT	-.00019	.04535	-.00123	.00169	-.00002	-.00001	.00011	.04440	.00130	.71176

RUN NO. 119/ 0 RN/L = 11.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
11.671	-2.347	.00707	-.05971	.05269	-.01798	-.00057	-.00353	.00672	-.05750	.05509	-1.04378
11.668	.077	.00611	.04707	.05434	-.01359	-.00069	-.00352	.00717	.04699	.05440	.86387
11.683	2.461	.00538	.15360	.05117	-.00941	-.00075	-.00350	.00745	.15126	.05772	2.62067
11.671	4.733	.00384	.25827	.04358	-.00609	-.00075	-.00349	.00817	.25380	.06474	3.92015
11.661	7.205	.00366	.37573	.03124	-.00167	-.00082	-.00341	.00802	.36885	.07812	4.72162
11.682	9.772	.00299	.50103	.01646	.00343	-.00063	-.00345	.00847	.49097	.10126	4.84877
11.647	12.256	.00197	.63961	.00298	.00414	-.00032	-.00321	.00824	.62440	.13868	4.50232
11.670	14.791	.00123	.80720	-.00192	-.00435	.00158	-.00251	.00659	.78094	.20421	3.82421
11.681	17.237	.00098	.95038	.00795	-.00903	-.00254	-.00404	.01111	.90513	.28985	3.12278
11.672	19.955	.00496	1.14509	.01244	-.02146	.00816	-.00342	.00736	1.07210	.40249	2.66364
11.539	22.346	-.00170	1.27689	.01019	-.01236	.00474	-.00489	.01488	1.17712	.49489	2.37854
11.593	24.750	-.01295	1.35523	.00876	.01303	-.00581	-.00514	.02134	1.22707	.57534	2.13279
	GRADIENT	-.00044	.04488	-.00128	.00169	-.00003	.00001	.00020	.04394	.00136	.70545

LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +OMS (RPT019) (13 AUG 73)

REFERENCE DATA

SREF = 136.1858 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .235
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 120/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
2.496	-2.366	.00214	-.06543	.05323	-.01524	- 00074	-.00363	.00605	-.06318	.05580	-1.13054
2.488	-.100	.00188	.03873	.05505	-.01195	-.00084	-.00358	.00643	.03883	.05498	.70613
2.472	1.969	.00171	.13194	.05278	-.00895	-.00091	-.00350	.00651	.13003	.05735	2.26798
2.484	4.302	.00224	.23935	.04582	-.00604	-.00096	-.00374	.00614	.23524	.06363	3.69597
2.481	6.389	.00174	.33756	.03565	-.00278	-.00096	-.00372	.00710	.33149	.07300	4.54123
2.480	8.481	.00139	.43831	.02456	.00072	-.00077	-.00360	.00745	.42989	.08893	4.83390
2.479	10.742	.00136	.55825	.01148	.00437	-.00018	-.00373	.00786	.54633	.11533	4.73722
2.477	12.970	.00167	.68833	-.00055	.00216	.00008	-.00411	.00829	.67089	.15395	4.35788
2.472	15.066	.00122	.81861	-.00816	.00093	-.00147	-.00387	.00850	.79259	.20490	3.86813
2.473	17.358	.00135	.94781	-.00354	-.00170	.00090	-.00346	.00702	.90570	.27939	3.241[illegible]
2.477	19.498	-.00066	1.07702	.01335	-.01158	-.00458	-.00124	.00497	1.01080	.37207	2.71671
2.473	21.834	-.00242	1.21663	.01516	-.01356	-.00866	-.00132	.00907	1.12372	.46655	2.40857
2.479	23.980	-.00064	1.35753	.01267	-.00974	-.00227	-.00252	.00864	1.23521	.56331	2.19275
2.483	25.990	.00306	1.36447	.01486	.02809	.00802	-.00320	.00237	1.21997	.61128	1.99575
2.484	27.789	.00444	1.24870	.03455	.07010	.00698	-.00479	.00374	1.08858	.61274	1.77658
	GRADIENT	.00001	.04560	-.00111	.00138	-.00002	-.00001	.00002	.04464	.00116	.72556

RUN NO. 121/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
4.020	-2.330	.00155	-.07014	.05224	-.01601	-.00073	-.00327	.00744	-.06796	.05504	-1.23463
4.026	-.069	.00019	.03397	.05363	-.01105	-.00087	-.00314	.00878	.03404	.05359	63522
4.010	2.150	.00047	.13403	.05127	-.00845	-.00096	-.00323	.00866	.13202	.05626	2.34662
4.023	4.527	.00159	.24599	.04358	-.00384	-.00093	-.00375	.00878	.24178	.06286	3.84610
4.036	6.550	-.00031	.34074	.03379	-.00104	-.00110	-.00310	.00929	.33466	.07244	4.62009
4.018	8.720	-.00081	.44750	.02199	.00257	-.00092	-.00306	.00980	.43899	.08858	4.90032
4.017	10.999	-.00048	.56815	.00896	.00474	-.00047	-.00316	.00966	.55600	.11719	4.74436
4.010	13.330	-.00038	.70767	-.00282	.00090	-.00015	-.00366	.01098	.68926	.16042	4.29659
4.007	15.439	-.00074	.82768	-.00839	.00076	.00021	-.00334	.01052	.80005	.21225	3.76938
4.026	17.747	-.00241	.94875	-.00773	.00142	.00506	-.00107	00618	.90595	.28183	3.21453
4.023	19.975	-.00092	1.06855	.00052	-.00009	.00511	-.00192	..0670	1.00409	.36551	2.74708
4.013	22.269	-.00299	1.26841	.00422	-.01887	-.00004	-.00087	.00645	1.17221	.48458	2.41902
4.003	24.581	-.00725	1.38860	.00144	-.00200	-.00138	-.00115	.01307	1.26216	.57894	2.18012
4.001	26.607	-.00575	1.37724	.01193	.03873	.00050	-.00171	.01278	1.22605	.62748	1.95393
3.995	28.309	-.00127	1.23270	.03661	.07441	.00317	-.00376	.01256	1.06791	.61681	1.73134
	GRADIENT	.00002	.04601	-.00125	.00172	-.00003	-.00007	.00017	.04508	.00116	.74332

LA-9 LARC LTPT 135 NAR 089B-MOD. NOSE +OMS (RP7019) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5828 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 122/ 0 RN/L = 5.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
5.900	-2.411	.00425	-.06976	.05126	-.01553	-.00082	-.00334	.00597	-.06754	.05415	-1.24727
5.930	-.057	.00369	.03560	.05305	-.01137	-.00097	-.00337	.00657	.03585	.05302	.67619
5.910	2.229	.00234	.14168	.05054	-.00732	-.00111	-.00327	.00739	.13961	.05601	2.49250
5.899	4.522	.00280	.24730	.04315	-.00393	-.00106	-.00323	.00690	.24313	.06251	3.88951
5.909	6.769	.00174	.35401	.03233	-.00091	-.00116	-.00327	.00791	.34773	.07383	4.70959
5.903	9.124	.00071	.46801	.01879	.00332	-.00091	-.00303	.00808	.45911	.09277	4.94899
5.897	11.347	.00106	.58894	.00624	.00439	-.00091	-.00315	.00812	.57620	.12200	4.72309
5.892	13.736	.00060	.73992	-.00413	-.00172	-.00110	-.00355	.00967	.71974	.17167	4.19251
5.909	16.030	-.00035	.87052	-.00730	-.00306	.00074	-.00264	.00788	.83669	.23337	3.59381
5.906	18.345	-.00191	.99033	-.00561	-.00117	.00568	-.00060	.00340	.94177	.30638	3.07386
5.896	20.613	.00336	1.12943	.00393	-.01128	.00932	-.00187	.00238	1.05574	.40131	2.63073
5.898	23.004	-.00369	1.33949	-.00039	-.02508	-.00255	-.00014	.00369	1.23313	.52310	2.35737
5.895	25.268	.00207	1.36913	.00204	.01592	.00619	-.00026	-.00139	1.23726	.58626	2.11043
5.830	27.131	-.01272	1.33827	.01570	.04640	-.00597	.00013	.01156	1.18385	.62427	1.89636
	GRADIENT	-.00025	.04579	-.00116	.00168	-.00004	.00002	.00016	.04487	.00121	.74645

RUN NO. 123/ 0 RN/L = 7.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
7.856	-2.418	.00421	-.07125	.05082	-.01539	-.00082	-.00327	.00670	-.06904	.05379	-1.28363
7.839	-.046	.00427	.03648	.05276	-.01149	-.00094	-.00334	.00683	.03652	.05275	.69250
7.834	2.256	.00370	.14136	.05037	-.00804	-.00103	-.00332	.00714	.13926	.05589	2.49164
7.856	4.673	.00315	.25756	.04240	-.00446	-.00106	-.00332	.00751	.24926	.06292	3.96185
7.836	7.028	.00184	.36477	.03046	-.00037	-.00116	-.00316	.00789	.35830	.07486	4.78645
7.849	9.289	.00185	.47576	.01759	.00366	-.00093	-.00315	.00783	.46668	.09415	4.95671
7.847	11.628	.00011	.60370	.00433	.00399	-.00104	-.00315	.00896	.59 43	.12593	4.68866
7.842	14.103	.00078	.76299	-.00490	-.00306	-.00111	-.00353	.00961	.74118	.18117	4.09115
7.837	16.488	-.00330	.89686	-.00406	-.00446	.00188	-.00151	.00649	.86114	.25065	3.43562
7.842	18.835	-.00399	1.01391	.00049	- 00365	.00276	-.00149	.00692	.95946	.32780	2.92701
7.863	21.465	-.00476	1.24054	.00263	-.02441	-.00224	-.00038	.00425	1.15354	.45639	2.52750
7.835	23.770	.00010	1.36250	-.00031	-.01281	.00317	.00112	-.00329	1.24704	.54889	2.27192
7.832	25.899	.00064	1.38317	.00243	.02281	.00561	.00008	-.00068	1.24319	.60634	2.05050
	GRADIENT	-.00016	.04578	-.00118	.00154	-.00003	-.00001	.00012	.04486	.00130	.74351

LA-5 LARC LTPT 135 NAR 0898-MOD. NOSE +OMS (RP7019) (13 AUG 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .235
ELEVTR = .000 RUDDR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 124/ 0 RN/L = 9.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
9.684	-2.482	.00680	-.07040	.05058	-.01558	-.00079	-.00337	.00621	-.06814	.05358	-1.27174
9.680	-.002	.00618	.04019	.05235	-.01118	-.00088	-.00343	.00669	.04019	.05235	.76768
9.676	2.410	.00481	.14976	.04957	-.00791	-.00096	-.00333	.00710	.14754	.05582	2.64308
9.692	4.765	.00373	.25877	.04149	-.00410	-.00102	-.00327	.00749	.25443	.06284	4.04889
9.681	7.089	.00400	.36979	.02976	-.00040	-.00112	-.00331	.00745	.36329	.07517	4.83271
9.683	9.584	.00208	.49202	.01520	.00383	-.00090	-.00322	.00816	.48263	.09690	4.98055
9.667	12.128	.00190	.63298	.00086	.00405	-.00093	-.00335	.00863	.61867	.13383	4.62270
9.652	14.577	.00117	.79485	-.00491	-.00458	-.00112	-.00321	.00860	.77050	.19520	3.94533
9.670	17.021	-.00265	.92462	-.00181	-.00345	.00315	-.00170	.00625	.88464	.26694	3.28941
9.644	19.560	-.00328	1.09823	.00537	-.01726	-.00202	-.00144	.00586	1.03306	.37274	2.77153
9.610	22.070	-.00673	1.27531	.00413	-.02246	-.00092	.00029	.00278	1.18031	.48300	2.44370
9.565	24.575	.00656	1.38639	.00016	-.00272	.00704	.00205	-.00948	1.26074	.57671	2.18610
9.529	26.588	-.00045	1.39250	.00366	.03181	.00467	.00073	-.00186	1.24360	.62651	1.98496
	GRADIENT	-.00044	.04542	-.00123	.00156	-.00003	.00002	.00018	.04451	.00128	.73909

RUN NO. 127/ 0 RN/L = 10.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CBL	CYN	CY	CL	CD	L/D
10.787	-2.495	.00934	-.07036	.05041	-.01555	-.00072	-.00338	.00570	-.06810	.05342	-1.27474
10.787	-.087	.00774	.03789	.05227	-.01142	-.00085	-.00346	.00622	.03797	.05221	.72732
10.751	2.404	.00624	.15089	.04926	-.00760	-.00100	-.00344	.00686	.14869	.05555	2.67692
10.780	4.790	.00499	.26075	.04107	-.00384	-.00103	-.00341	.00743	.25641	.06270	4.08938
10.764	7.224	.00424	.37751	.02878	-.00048	-.00113	-.00326	.00731	.37090	.07602	4.87896
10.776	9.693	.00282	.49852	.01426	.00426	-.00084	-.00319	.00778	.48900	.09798	4.99058
10.772	12.031	.00256	.62815	.00072	.00452	-.00087	-.00337	.00843	.61421	.13164	4.66591
10.755	14.637	.00132	.79981	-.00568	-.00446	-.00111	-.00316	.00843	.77529	.19661	3.94319
10.775	17.139	.00000	.92531	-.00069	-.00309	.00221	-.00247	.00709	.88442	.27202	3.25125
10.725	19.766	-.00473	1.11786	.00388	-.01757	-.00250	-.00082	.00472	1.05069	.38170	2.75269
10.853	22.226	-.00797	1.28030	.00406	-.02061	-.00168	.00046	.00274	1.18363	.48805	2.42521
10.611	24.690	.00522	1.39293	.00000	-.00310	.00630	.00205	-.00859	1.26559	.58184	2.17516
	GRADIENT	-.00049	.04544	-.00127	.00160	-.00004	-.00000	.00024	.04453	.00128	.74128

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7001) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.252
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 5/ 3 RN/L = 2.47 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.473	-2.265	.00046	-.24946	-.26183	-.26730	-.22592	138.31695
2.479	-.084	.00029	-.23901	-.25368	-.26525	-.21784	138.87744
2.480	2.107	.00099	-.24763	-.25671	-.26048	-.22423	139.15765
2.471	4.313	.00074	-.25011	-.26928	-.27220	-.22559	138.31794
2.479	6.462	.00091	-.25346	-.26443	-.26600	-.22260	139.15865
2.481	8.593	.00051	-.27754	-.26965	-.26674	-.21304	139.43981
2.473	10.769	.00058	-.28378	-.29487	-.27163	-.23072	138.73932
2.470	12.998	.00052	-.28717	-.30313	-.27630	-.23462	138.31993
2.476	15.235	.00032	-.28557	-.29339	-.29167	-.25675	139.02156
2.470	17.427	.00107	-.30302	-.30138	-.30395	-.27645	138.46006
2.476	19.682	-.00118	-.34280	-.32994	-.34154	-.30451	139.16167
2.468	21.905	-.00112	-.37957	-.36090	-.36470	-.33272	138.32191
2.470	24.137	.00177	-.40068	-.39990	-.40959	-.36508	138.60218
2.463	26.054	.00271	-.46172	-.46274	-.45906	-.41833	137.90244
2.474	27.894	-.00576	-.55472	-.57863	-.62934	-.50044	139.16468
	GRADIENT	.00007	-.00048	-.00116	-.00046	-.00025	.01254

RUN NO. 5/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.063	-2.276	.00518	-.25283	-.26773	-.25373	-.21004	229.36332
4.061	-.019	.00474	-.25326	-.26142	-.25816	-.23100	226.84002
4.074	2.158	.00433	-.25060	-.27185	-.27903	-.23088	229.52523
4.063	4.419	.00430	-.25958	-.27614	-.27701	-.22724	227.40551
4.082	6.605	.00343	-.25660	-.27399	-.26737	-.23462	229.50917
4.084	8.829	.00502	-.27617	-.26571	-.27594	-.23187	230.06804
4.082	11.071	.00428	-.28314	-.30635	-.27603	-.22837	229.76970
4.064	13.280	.00393	-.28416	-.31108	-.30278	-.25519	228.10757
4.047	15.509	.00486	-.30225	-.30234	-.30825	-.26870	226.28766
4.066	17.699	.00525	-.30712	-.30069	-.31604	-.27714	228.67027
4.065	20.101	.00214	-.36360	-.34560	-.36669	-.31523	229.53203
4.074	22.468	.00339	-.39606	-.37814	-.37865	-.34457	229.93573
4.057	24.630	.00130	-.41603	-.41640	-.41805	-.36186	228.11626
4.058	26.691	.00242	-.48086	-.47527	-.48772	-.43378	228.39860
4.055	28.474	-.00313	-.62002	-.61572	-.69732	-.51769	228.25839
	GRADIENT	-.00013	-.00080	-.00159	-.00406	.00238	-.19041

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PPT001) (24 JUN 73)

REFERENCE DATA

SREF =	136.1608 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.252
ELEVTR =	.000	RUDDLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 4/ 0 RN/L = 5.98 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.023	-2.348	.01626	-.26587	-.27217	-.28430	-.22693	341.27566
6.006	-.058	.01601	-.26743	-.25379	-.28077	-.24109	339.45509
5.994	2.256	.01586	-.24746	-.25447	-.27994	-.22391	338.19578
6.002	4.516	.01528	-.26692	-.26331	-.28104	-.23498	339.60019
6.026	6.745	.01528	-.27595	-.27400	-.28853	-.24486	342.54564
6.009	9.070	.01571	-.26451	-.29810	-.27671	-.23353	341.28469
6.009	11.321	.01559	-.28231	-.32155	-.27067	-.23558	341.14657
6.007	13.680	.01542	-.30379	-.31606	-.30692	-.25835	341.28769
5.991	16.028	.01641	-.29953	-.30570	-.31025	-.26371	339.46797
6.004	18.395	.01753	-.32101	-.32055	-.33885	-.28072	341.29469
5.986	20.630	.01489	-.37506	-.36604	-.37860	-.32997	339.47686
5.984	23.177	.01644	-.40027	-.38977	-.40545	-.35196	340.04140
5.992	25.409	.02985	-.44328	-.44110	-.45273	-.40309	341.16650
5.986	27.268	.04593	-.55545	-.53794	-.54734	-.45719	340.88622
5.984	29.015	.01787	-.68052	-.62385	-.70203	-.55286	340.60989
	GRADIENT	-.00013	.00075	.00113	.00046	-.00030	-.27564

RUN NO. 1/ 0 RN/L = 8.25 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
8.344	-2.429	.00846	-.23760	-.24179	-.25591	-.22367	441.57276
8.336	-.050	.00843	-.23900	-.26346	-.24919	-.21661	442.00203
8.320	2.295	.00745	-.27821	-.27773	-.26668	-.23920	441.73115
8.338	4.602	.00721	-.25433	-.23982	-.27628	-.22285	444.26077
8.301	6.916	.00666	-.25656	-.26356	-.27184	-.20976	441.31807
8.313	9.322	.00585	-.26677	-.27518	-.25199	-.21834	443.00462
8.325	11.609	.00659	-.27139	-.28935	-.26533	-.23810	445.53705
8.309	14.063	.00573	-.28830	-.27553	-.31718	-.23591	444.13498
8.307	16.534	.00613	-.29643	-.29270	-.30426	-.25600	444.84372
8.278	18.978	.00738	-.32213	-.31364	-.31809	-.28916	442.68632
8.271	21.317	.01182	-.38012	-.35677	-.36672	-.32165	442.61153
8.301	23.850	.00982	-.36763	-.39119	-.38609	-.35335	446.82683
8.236	25.100	.01995	-.44819	-.47682	-.46561	-.40594	440.66110
8.246	27.823	.04455	-.59820	-.54937	-.57790	-.49713	442.49205
	GRADIENT	-.00020	-.00128	-.00040	-.00330	-.00099	.33108

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7001) (24 JUN 73)

REFERENCE DATA

SREF =	136.1803 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.252
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 2/ 0 RN/L = 9.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
10.143	-2.465	.01157	-.25884	-.26191	-.26726	-.23882	561.32751
10.167	-.019	.01041	-.25198	-.25686	-.27848	-.23666	565.68540
10.093	2.375	.00812	-.25737	-.25702	-.26607	-.24088	558.40598
10.075	4.746	.00852	-.24336	-.25728	-.27447	-.22972	557.14864
10.096	7.418	.00708	-.28069	-.28687	-.27706	-.22934	561.23049
10.123	9.597	.00656	-.30003	-.30038	-.26298	-.22992	564.87535
10.118	12.032	.00651	-.28414	-.29207	-.28896	-.24783	565.02050
10.086	14.546	.00782	-.29843	-.32366	-.29219	-.25821	562.22233
10.053	17.176	.00842	-.31357	-.30840	-.32341	-.28914	559.29034
10.071	19.580	.01136	-.36678	-.34662	-.35189	-.31815	562.94190
9.988	22.209	.01120	-.38308	-.37464	-.36182	-.33471	555.38399
	GRADIENT	-.00048	.00171	.00058	-.00039	.00096	-.82016

RUN NO. 3/ 0 RN/L = 11.63 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
11.721	-2.447	.01045	-.26568	-.27266	-.27056	-.23610	603.52352
11.713	.007	.00905	-.28975	-.26584	-.32824	-.24246	602.82106
11.694	2.374	.00730	-.25250	-.27791	-.29390	-.23688	602.12245
11.685	4.836	.00643	-.26737	-.27175	-.27527	-.23338	602.41291
11.678	7.261	.00562	-.26896	-.27087	-.28757	-.24198	602.70015
11.668	9.739	.00572	-.30411	-.29814	-.29982	-.23487	603.12839
11.622	12.252	.00469	-.30266	-.29082	-.29715	-.25626	602.30022
11.666	14.825	.00864	-.30039	-.30674	-.30397	-.28022	607.51943
11.607	17.434	.01049	-.31246	-.32280	-.30670	-.29643	602.02518
11.618	20.107	.01160	-.37280	-.34867	-.34815	-.32554	603.86321
11.626	21.370	.01079	-.37378	-.37870	-.40209	-.34068	605.13702
11.598	22.674	.00794	-.37018	-.39159	-.37533	-.34861	602.45727
11.628	23.810	.00311	-.39102	-.40639	-.40771	-.37991	605.70501
	GRADIENT	-.00057	.00129	-.00037	.00081	.00056	-.16605

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +ONS (PP7002) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .251
ELEVTR = .000 RUDFLR = .000
CT-LOC = 1.000 K/L = 8.820

RUN NO. 10/ 0 RN/L = 2.53 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.544	-2.128	.00165	-.23027	-.25206	-.25091	-.21755	139.04826
2.535	.075	.00110	-.23223	-.24922	-.24183	-.21229	138.62772
2.540	2.258	.00218	-.23440	-.24100	-.24723	-.22040	139.05021
2.526	4.451	.00201	-.23748	-.24966	-.24845	-.21481	137.78747
2.532	6.565	.00215	-.23882	-.25577	-.24289	-.21432	138.49140
2.526	8.758	.00255	-.25547	-.26521	-.25762	-.22244	138.07078
2.533	11.097	.00236	-.26511	-.26762	-.26336	-.23163	138.77179
2.524	13.131	.00370	-.27010	-.27260	-.27294	-.24232	137.75034
2.527	15.385	.00406	-.28598	-.28123	-.28688	-.25868	138.21099
2.531	17.495	.00468	-.30201	-.29780	-.30684	-.27360	138.77276
2.526	19.773	.00411	-.33693	-.32730	-.33566	-.30206	138.35312
2.539	21.966	.00232	-.35235	-.34905	-.35853	-.32952	139.75595
2.535	24.051	-.00020	-.40176	-.39617	-.39966	-.36677	139.33739
2.524	26.049	.00058	-.49452	-.49462	-.51332	-.44079	138.35504
2.534	27.868	-.00133	-.59436	-.59018	-.65948	-.48414	139.33936
	GRADIENT	.00010	-.00109	.00070	.00009	.00001	-.15335

RUN NO. 9/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.037	-2.173	.00386	-.24965	-.25407	-.25354	-.22642	227.17955
4.039	.013	.00510	-.24489	-.24501	-.25015	-.22332	227.88236
4.018	2.259	.00494	-.23419	-.24452	-.25749	-.22041	225.92765
4.029	4.373	.00485	-.24151	-.24736	-.24994	-.22168	227.46806
4.036	6.634	.00501	-.24492	-.26151	-.24838	-.21884	228.30864
4.030	8.940	.00575	-.26467	-.25540	-.25825	-.22071	227.75008
4.024	11.143	.00612	-.26598	-.27580	-.27567	-.24102	227.05152
4.018	13.440	.00714	-.27569	-.27538	-.27744	-.24656	226.77056
4.032	15.694	.00739	-.28942	-.28410	-.29691	-.26691	228.39174
4.033	17.920	.00902	-.31508	-.30351	-.31506	-.28277	228.45510
4.014	20.270	.00768	-.34076	-.34369	-.34442	-.31865	226.64135
4.033	22.431	.00517	-.37050	-.36634	-.36948	-.33477	228.88683
4.026	24.510	.00556	-.42946	-.41629	-.42069	-.39114	228.60156
4.018	26.565	-.00218	-.54476	-.53128	-.57518	-.46235	227.76416
	GRADIENT	.00013	.00162	.00095	.00014	.00079	-.05286

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (F 7002) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHE
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.251
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	6.820

RUN NO. 6/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.126	-2.199	.00465	-.23348	-.25518	-.25346	-.22550	336.13760
6.101	.130	.00521	-.24141	-.25445	-.24852	-.21864	334.60167
6.119	2.338	.00489	-.22686	-.24043	-.24973	-.21232	337.12679
6.106	4.661	.00535	-.24634	-.25008	-.25655	-.22343	335.73025
6.113	6.931	.00532	-.23617	-.24608	-.25516	-.21279	337.13636
6.119	9.245	.00550	-.25886	-.25823	-.26045	-.21873	337.84033
6.120	11.533	.00767	-.26268	-.28765	-.26561	-.23404	338.82275
6.090	13.926	.00935	-.26560	-.27345	-.27246	-.25018	335.73972
6.100	16.221	.01141	-.29698	-.28678	-.29718	-.26294	336.86734
6.131	18.629	.01272	-.31935	-.31602	-.31787	-.28686	340.65592
6.135	20.905	.01247	-.33458	-.34054	-.35423	-.31151	341.63816
6.101	23.135	.00226	-.38357	-.36699	-.38288	-.35061	338.55674
6.067	25.482	.00229	-.49162	-.44528	-.47947	-.41800	334.91414
	GRADIENT	.00008	-.00108	.00127	-.00046	.00045	.05425

RUN NO. 7/ 0 RN/L = 6.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.084	-2.244	.00892	-.23483	-.24574	-.25604	-.22144	444.95596
6.066	.106	.00818	-.23615	-.24022	-.25150	-.21651	443.97650
6.072	2.433	.00736	-.23249	-.24654	-.24302	-.22052	445.10293
6.077	4.758	.00721	-.23692	-.24296	-.23830	-.21474	446.09717
6.073	7.135	.00742	-.24599	-.26311	-.24344	-.21004	446.09299
6.053	9.442	.00979	-.24531	-.26631	-.25352	-.22727	444.83796
6.044	11.919	.01066	-.26069	-.26707	-.25236	-.23058	444.55946
6.052	14.275	.01452	-.27205	-.27120	-.27311	-.24869	446.10557
6.050	16.643	.01622	-.30726	-.29622	-.29857	-.27249	446.39079
6.053	19.124	.01786	-.32300	-.32276	-.32738	-.30057	446.68084
6.020	21.552	.01488	-.36531	-.34479	-.35014	-.31644	444.30387
6.020	23.792	-.00014	-.39592	-.38712	-.40086	-.36678	444.86765
	GRADIENT	-.00026	-.00011	.00009	.00264	.00069	.19318

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (FP7003) (24 JUN 73)

REFERENCE DATA

SREF =	136.1806 SQ.IN.	XMRP =	15.9636 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.249
ELEVTR =	-10.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	6.820

RUN NO. 13/ 0 RN/L = 2.54 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.561	-2.211	.00259	-.22236	-.22777	-.22346	-.20146	138.92837
2.566	-.060	.00119	-.22099	-.22220	-.22402	-.19795	139.77057
2.561	2.096	.00135	-.21772	-.22668	-.22530	-.20370	139.35093
2.545	4.254	.00172	-.21814	-.22364	-.22449	-.19707	137.80928
2.546	6.414	.00216	-.24322	-.24952	-.23550	-.19722	137.66995
2.555	8.575	.00214	-.22892	-.23912	-.23426	-.20286	138.93219
2.556	10.875	.00240	-.24390	-.24688	-.23660	-.20593	139.21359
2.550	12.988	.00384	-.26555	-.26934	-.25729	-.21968	138.65362
2.542	15.161	.00429	-.27348	-.27368	-.26355	-.23787	137.81209
2.548	17.364	.00345	-.27962	-.27041	-.28245	-.25108	138.51432
2.542	19.587	.00438	-.29415	-.29353	-.31949	-.27475	138.23005
2.548	21.791	.00465	-.32488	-.32114	-.33915	-.29690	138.65646
2.554	23.958	.00115	-.37132	-.35511	-.37581	-.33367	139.35859
2.545	26.008	.00322	-.43108	-.43326	-.43905	-.39377	138.65740
	GRADIENT	-.00011	.00074	.00037	-.00020	.00034	-.17544

RUN NO. 12/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.165	-2.362	.00616	-.23097	-.23315	-.23322	-.20405	228.37432
4.152	-.129	.00599	-.21811	-.23916	-.23648	-.20337	227.11460
4.144	2.134	.00662	-.23437	-.22864	-.23284	-.20544	226.55282
4.156	4.306	.00531	-.23077	-.23335	-.23203	-.20780	228.09690
4.160	6.539	.00646	-.23485	-.24072	-.22780	-.19411	228.51938
4.148	8.741	.00644	-.22974	-.23727	-.23717	-.20848	227.25673
4.144	11.031	.00722	-.25716	-.24851	-.21825	-.21324	226.97825
4.149	13.329	.00872	-.27226	-.26804	-.27737	-.23350	227.68022
4.152	15.585	.00970	-.27904	-.27419	-.26634	-.24298	228.10176
4.145	17.760	.01027	-.30617	-.27107	-.28875	-.25624	227.54195
4.159	20.020	.01000	-.30767	-.30315	-.34014	-.28767	229.08593
4.154	22.408	.01005	-.34469	-.34364	-.34990	-.31535	228.80656
4.141	24.491	.00935	-.36281	-.36759	-.40017	-.35363	227.40753
4.151	26.450	.00858	-.46667	-.45751	-.47839	-.41656	228.80948
	GRADIENT	-.00006	-.00071	.00045	.00032	-.00060	-.05467

LA-9 LARC LTPT 130 NAR 0598-MOD. NOSE +OMS (PP7003) (24 JUN 73)

REFERENCE DATA

SREF =	136.1608 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.249
ELEVTR =	-10.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	6.820

RUN NO. 11/ 0 RN/L = 5.95 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.995	-2.400	.00656	-.23418	-.22226	-.21518	-.19266	353.26904
5.953	-.126	.00569	-.21835	-.22081	-.22787	-.19562	348.66925
5.994	2.140	.00698	-.21493	-.21280	-.21625	-.19391	353.97277
5.954	4.492	.00693	-.22263	-.23094	-.22580	-.19206	349.79423
5.969	6.755	.00730	-.22298	-.23489	-.22176	-.19996	352.44944
5.953	9.000	.00754	-.23004	-.21706	-.22225	-.20242	350.77580
5.969	11.325	.00712	-.24949	-.26776	-.23680	-.20714	353.15324
5.948	13.671	.01077	-.25688	-.26374	-.24167	-.22896	350.51099
5.941	15.999	.01338	-.31491	-.23749	-.28441	-.24266	350.92948
5.930	18.348	.01350	-.30568	-.28169	-.30797	-.26912	350.09632
5.932	20.751	.01493	-.30632	-.30566	-.32185	-.27989	350.23711
5.934	22.977	.01118	-.34790	-.32991	-.36436	-.31103	350.94360
5.952	25.226	.01164	-.40215	-.39017	-.41682	-.36523	353.32135
	GRADIENT	.00010	.00164	-.00081	-.00089	.00020	-.22634

LA-9 LARC LTPT 130 NAR 0698-MOD. NOSE +OMS (PP7004) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.253
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	3.000	K/L =	6.820

RUN NO. 19/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.482	-2.108	.00123	-.24793	-.24801	-.25270	-.21968	137.71725
2.479	.037	.00122	-.24985	-.23950	-.24444	-.21800	137.71725
2.486	2.278	.00039	-.25180	-.23954	-.24871	-.22208	138.42063
2.480	4.415	.00018	-.24532	-.23730	-.24483	-.22009	137.99943
2.481	6.536	.00150	-.24550	-.25924	-.24436	-.21237	137.86446
2.480	8.703	.00201	-.25892	-.27253	-.25125	-.22456	138.00250
2.482	10.967	.00 35	-.26324	-.26836	-.26181	-.22869	138.42166
2.478	13.114	.00244	-.28154	-.27487	-.27130	-.23941	138.00250
2.475	15.359	.00374	-.29235	-.27780	-.28310	-.25282	137.72336
2.487	17.570	.00710	-.32620	-.30155	-.31063	-.27513	138.85107
2.483	19.694	.01179	-.34943	-.32911	-.34364	-.30753	138.70896
2.477	21.964	.01371	-.37199	-.36724	-.37403	-.33695	138.42474
2.471	24.243	.01708	-.41054	-.38908	-.39836	-.36482	138.00454
2.479	26.139	.02133	-.43354	-.45011	-.45994	-.41507	138.84593
2.478	28.010	.02252	-.59570	-.56371	-.64787	-.50759	138.70691
	GRADIENT	-.00018	.00026	.00148	.00089	-.00024	.07164

RUN NO. 20/ 0 RN/L = 3.92 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
3.925	-2.142	.00206	-.25015	-.24303	-.25063	-.21747	224.06749
3.920	.115	.00112	-.24280	-.23415	-.23833	-.21597	223.92755
3.923	2.329	.00251	-.23788	-.24128	-.25005	-.22260	224.34845
3.925	4.613	.00165	-.25785	-.23695	-.25253	-.21544	224.62941
3.938	5.722	.00120	-.24847	-.26303	-.24177	-.21534	226.16959
3.917	9.039	.00239	-.26081	-.26363	-.25427	-.22235	224.07072
3.916	11.179	.00213	-.26109	-.27111	-.25253	-.21838	223.93164
3.917	13.442	.00241	-.27609	-.27640	-.27342	-.24598	224.07287
3.913	15.683	.00467	-.30040	-.28274	-.29232	-.25378	223.79403
3.926	17.973	.00927	-.30863	-.30471	-.31844	-.27847	225.61431
3.912	20.097	.01471	-.34322	-.34321	-.36019	-.30816	224.07608
3.928	22.472	.02116	-.36731	-.36039	-.37580	-.32654	226.17724
3.923	24.659	.02656	-.40583	-.39329	-.40525	-.36253	225.61866
3.915	26.681	.03045	-.49848	-.47060	-.50426	-.44177	224.78336
	GRADIENT	.00001	-.00082	.00050	-.00076	-.00002	.09367

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7004) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.253
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	3.000	K/L =	6.820

RUN NO. 21/ 0 RN/L = 5.77 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.772	-2.165	.00243	-.24538	-.23644	-.23790	-.21233	328.88034
5.778	.129	.00121	-.24433	-.23039	-.23343	-.21411	329.72194
5.783	2.354	.00117	-.23860	-.22988	-.23894	-.20788	330.42340
5.782	4.694	.00209	-.24233	-.22681	-.23981	-.21302	330.70356
5.766	6.998	.00136	-.23411	-.23138	-.23087	-.20546	329.16458
5.781	9.206	.00252	-.27230	-.26090	-.23676	-.21560	330.84669
5.789	11.479	.00397	-.26871	-.26236	-.25291	-.22175	331.96829
5.785	13.832	.00541	-.27982	-.26246	-.27439	-.23492	331.68815
5.781	16.142	.00781	-.29818	-.27203	-.28679	-.24854	331.26998
5.766	18.509	.01517	-.31221	-.31188	-.32241	-.27735	329.73203
5.784	20.824	.02083	-.34945	-.34157	-.33713	-.30115	332.11653
5.785	23.210	.03750	-.37061	-.35897	-.37257	-.33321	332.68089
5.775	25.349	.04931	-.42253	-.41343	-.42026	-.37600	331.70445
	GRADIENT	-.00005	.00065	.00129	-.00049	.00017	.27027

RUN NO. 22/ 0 RN/L = 7.66 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.715	-2.245	.00311	-.25706	-.23674	-.23636	-.21849	441.48147
7.696	.145	.00236	-.24394	-.25980	-.25840	-.22116	440.22196
7.676	2.429	.00247	-.25158	-.24149	-.24775	-.22241	438.12310
7.706	4.813	.00264	-.24218	-.24166	-.25525	-.21489	442.04996
7.682	7.155	.00377	-.24354	-.24679	-.24485	-.20306	440.08765
7.704	9.450	.00470	-.26102	-.24570	-.22235	-.19881	443.03694
7.700	11.918	.00525	-.28749	-.27854	-.26223	-.22820	442.76156
7.700	14.322	.00590	-.29153	-.27509	-.27009	-.24561	443.18399
7.687	16.687	.01178	-.29986	-.27908	-.29801	-.26359	442.06568
7.669	19.124	.01701	-.31208	-.31611	-.32263	-.29247	440.66590
7.684	21.660	.03599	-.34850	-.33175	-.35001	-.32217	442.49401
7.657	24.030	.06056	-.40381	-.38943	-.39727	-.35423	440.11678
	GRADIENT	-.00006	.00159	.00013	-.00198	.00041	-.01446

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7003) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	RAD =	.250
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	2.440

RUN NO. 26/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.508	-2.155	.00338	-.23624	-.25008	-.25743	-.21946	137.64342
2.517	.083	.00364	-.22689	-.25002	-.25666	-.21872	138.90808
2.504	2.225	.00364	-.23057	-.25682	-.24944	-.21477	137.64725
.509	4.367	.00284	-.23971	-.25054	-.25688	-.20959	138.20906
.489	6.561	.00249	-.24485	-.24332	-.24898	-.21400	136.38506
.532	8.852	.00318	-.24360	-.26394	-.25336	-.22026	141.29343
2.523	11.038	.00205	-.25136	-.26412	-.25991	-.22502	140.45273
2.510	13.133	.00199	-.27446	-.28332	-.28443	-.24403	139.05313
2.529	15.274	.00355	-.29154	-.28522	-.29149	-.26168	141.29443
2.517	17.521	.00415	-.32076	-.30592	-.31530	-.28595	140.17048
2.490	19.719	.00432	-.33679	-.32708	-.33122	-.30747	136.95080
2.489	21.934	.00408	-.37270	-.36176	-.35806	-.32842	136.95080
2.475	24.106	.00162	-.41035	-.40561	-.40654	-.37140	135.54892
2.481	26.082	.00013	-.50543	-.51138	-.52749	-.45220	136.25132
2.502	27.824	.00399	-.61991	-.60118	-.69541	-.49466	138.63642
	GRADIENT	-.00007	-.00063	-.00038	.00041	.00154	.02169

RUN NO. 25/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.115	-2.132	.00281	-.22700	-.24554	-.24076	-.21848	227.79111
4.141	.155	.00306	-.23474	-.24306	-.25891	-.22089	231.01691
4.123	2.320	.00291	-.23919	-.24149	-.24599	-.21419	229.33761
4.119	4.528	.00222	-.23626	-.25146	-.25231	-.21127	229.47973
4.104	6.743	.00205	-.23742	-.25193	-.24524	-.21346	227.94011
4.095	8.947	.00120	-.24087	-.25678	-.25229	-.21724	227.24024
4.100	11.248	.00046	-.25466	-.27316	-.25993	-.23315	227.94305
4.111	13.463	-.00003	-.27361	-.28831	-.27692	-.24168	229.48669
4.120	15.707	.00254	-.29061	-.28202	-.29041	-.25913	230.74880
4.099	17.996	.00460	-.33759	-.31765	-.32821	-.28760	228.50861
4.077	20.273	.00345	-.34235	-.33621	-.34284	-.31204	225.26567
4.041	22.546	.00107	-.37091	-.36410	-.36701	-.33190	222.48086
3.981	24.597	.00267	-.40529	-.40613	-.41960	-.37627	215.16579
3.988	26.546	-.00511	-.49158	-.48704	-.49939	-.43505	217.01002
	GRADIENT	-.00008	-.00146	-.00072	-.00101	.00127	.15766

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7005) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9338 INCHES
LREF =	6.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.250
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	R/L =	2.440

RUN NO. 24/ 0 RN/L = 5.94 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	(PSF)
6.036	-2.170	.00545	-.21930	-.23879	-.25143	-.21191	328.44785
6.133	.133	.00477	-.23806	-.23626	-.25594	-.20662	340.65883
6.113	2.371	.00417	-.23283	-.25077	-.24304	-.20970	338.97835
6.130	4.715	.00428	-.22788	-.25214	-.24357	-.20384	341.36462
6.106	7.043	.00331	-.23703	-.23590	-.24324	-.20577	338.98601
6.058	9.158	.00316	-.23823	-.24340	-.24588	-.21882	333.79931
6.121	11.659	.00106	-.25098	-.28480	-.24433	-.22143	340.95374
6.120	13.909	.00212	-.27785	-.28073	-.28159	-.24088	341.37336
6.097	16.178	.00503	-.29296	-.28863	-.27290	-.25645	338.85438
6.045	18.426	.00706	-.33370	-.30390	-.31763	-.28720	333.94423
6.045	20.930	.00490	-.36207	-.33063	-.35161	-.31439	334.09285
5.995	23.152	-.00014	-.37720	-.36120	-.37836	-.34647	328.61781
5.956	25.361	.00389	-.44119	-.42402	-.44912	-.39303	324.82870
5.939	27.096	-.00734	-.59596	-.52369	-.60077	-.47304	323.14341
	GRADIENT	-.00018	-.00089	-.00257	.00158	.00094	1.62117

RUN NO. 23/ 0 RN/L = 7.77 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q (PSF)
7.852	-2.244	.00805	-.23998	-.24233	-.24446	-.20929	440.51174
7.837	.107	.00843	-.24638	-.24044	-.25675	-.21833	439.67932
7.811	2.414	.00671	-.21483	-.24901	-.24563	-.20819	438.00409
7.805	4.793	.00610	-.24360	-.24308	-.26597	-.21627	438.14520
7.862	7.089	.00489	-.22626	-.25043	-.23190	-.20642	444.73515
7.777	9.405	.00515	-.24705	-.26390	-.24723	-.21665	435.34948
7.776	11.807	.00189	-.28177	-.28396	-.25732	-.22500	435.49357
7.856	14.310	.00352	-.27807	-.28210	-.27122	-.24644	445.02246
7.822	16.627	.00817	-.31163	-.28479	-.28999	-.26466	441.80497
7.776	19.008	.00879	-.34645	-.31747	-.33147	-.30065	436.90394
7.752	21.591	.00645	-.35392	-.34231	-.34489	-.32110	434.52422
7.764	23.820	.00186	-.40190	-.38275	-.39117	-.35798	436.63154
7.767	25.959	.00460	-.48749	-.44914	-.47050	-.41623	437.4.44
	GRADIENT	-.00032	.00006	-.00046	-.00229	-.00047	-.37388

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +CMS (PP7006) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	.000	MACH =	.246
ELEVTR =	-10.000	RUDFLR =	.000
ST-LOC =	1.000	K/L =	.000

RUN NO. 27/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.476	-2.254	.00287	-.21584	-.22166	-.23270	-.20137	132.28585
2.477	-.074	.00316	-.22239	-.22342	-.23822	-.20146	132.42710
2.476	2.098	.00270	-.22668	-.22869	-.25210	-.19855	132.28676
2.462	4.258	.00297	-.23019	-.22401	-.23618	-.20181	131.02260
2.467	6.427	.00253	-.21670	-.21881	-.23090	-.20731	131.44552
2.468	8.579	.00298	-.22713	-.22712	-.24681	-.20715	131.72625
2.477	10.799	.00323	-.24364	-.24416	-.24378	-.21736	132.57016
2.482	12.955	.00331	-.25503	-.26621	-.26335	-.22585	133.13055
2.484	15.226	.00301	-.26755	-.27959	-.27011	-.23378	133.55056
2.474	17.427	.00201	-.28006	-.29650	-.27245	-.24982	132.42982
2.479	19.603	.00123	-.30412	-.29846	-.30506	-.27548	132.99206
2.481	21.799	.00070	-.34747	-.31680	-.33738	-.30121	133.41394
2.481	24.133	.00262	-.35332	-.38665	-.35807	-.33510	133.41394
2.480	26.086	.00640	-.40559	-.43184	-.39059	-.37033	133.27545
2.480	28.173	.00214	-.48391	-.50086	-.51307	-.44395	133.41485
	GRADIENT	-.00001	-.00218	-.00057	-.00113	.00007	-.18074

RUN NO. 28/ 0 RN/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
3.977	-2.392	.00451	-.23420	-.22882	-.21971	-.19581	223.93720
3.967	-.151	.00331	-.23005	-.23173	-.23214	-.20513	223.23842
3.969	2.088	.00297	-.22535	-.22405	-.24927	-.19905	223.66047
3.970	4.277	.00369	-.21408	-.22768	-.23533	-.19869	223.80363
3.972	6.471	.00329	-.21419	-.21177	-.22308	-.20168	224.50023
3.978	8.732	.00324	-.23192	-.22400	-.24684	-.20583	225.20534
3.976	10.963	.00353	-.24563	-.23840	-.26782	-.21595	225.06648
3.981	13.199	.00280	-.24776	-.25164	-.25707	-.22661	225.77050
3.971	15.459	.00278	-.27056	-.28583	-.28296	-.23933	224.78979
3.968	17.683	.00308	-.27028	-.28455	-.28649	-.24891	224.65197
3.969	20.037	.00135	-.29716	-.30265	-.29996	-.27254	225.07399
3.976	22.465	.00101	-.34445	-.33041	-.34832	-.30758	226.19029
3.945	24.619	.00260	-.38708	-.37615	-.37331	-.33761	222.41633
3.974	26.757	.00061	-.43898	-.42445	-.43232	-.39290	225.91798
3.978	28.372	-.00246	-.52976	-.53418	-.56366	-.46549	226.48206
	GRADIENT	-.00013	.00292	.00050	-.00289	-.00012	.00065

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7006) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.246
ELEVTR =	-10.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 29/ 0 RN/L = 5.85 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.830	-2.459	.00359	-.20718	-.21828	-.22864	-.18985	329.01944
5.827	-.100	.00406	-.19673	-.21159	-.21349	-.18929	329.02045
5.847	2.201	.00473	-.22933	-.21041	-.22514	-.19660	331.26284
5.847	4.527	.00312	-.23082	-.23151	-.24451	-.21290	331.82618
5.821	6.671	.00282	-.22238	-.20898	-.24495	-.19080	329.16659
5.831	8.919	.00271	-.22740	-.21972	-.22430	-.20640	330.56754
5.793	11.239	.00314	-.22405	-.22565	-.25817	-.21607	326.36703
5.831	13.554	.00217	-.24929	-.24917	-.26988	-.22277	330.85278
5.830	15.847	.00140	-.25705	-.27684	-.27528	-.24085	331.55420
5.846	18.204	.00153	-.28273	-.29641	-.29060	-.25276	333.51815
5.834	20.542	.00086	-.30510	-.28518	-.31006	-.27823	332.12163
5.859	22.956	-.00175	-.36291	-.33614	-.34354	-.31162	335.90601
5.847	25.264	.00447	-.39960	-.38409	-.37786	-.34283	334.92995
	GRADIENT	-.00003	-.00444	-.00165	-.00253	-.00328	.45765

RUN NO. 31/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.946	-2.558	.01003	-.24430	-.22903	-.22714	-.19526	441.00039
7.951	-.092	.01055	-.22701	-.21871	-.23474	-.19588	442.12591
7.921	2.165	.00905	-.23965	-.22682	-.25353	-.19733	439.32152
7.922	4.466	.00953	-.20052	-.22152	-.22468	-.19376	439.88816
7.950	6.836	.00946	-.22855	-.24381	-.21809	-.19896	443.39350
7.940	9.156	.00863	-.21776	-.19012	-.26016	-.20712	443.11601
7.912	11.516	.00971	-.22240	-.22499	-.24513	-.21469	440.45860
7.916	13.930	.00912	-.26170	-.25455	-.24533	-.22748	441.58233
7.914	16.493	.00748	-.27661	-.28739	-.28034	-.24974	441.58328
7.919	18.965	.00628	-.28955	-.28059	-.29716	-.25819	442.42939
7.951	21.195	.00811	-.33790	-.31585	-.34171	-.29641	446.49700
7.936	23.750	.00832	-.36468	-.34017	-.35337	-.31809	444.82157
7.933	26.108	.02214	-.38816	-.42323	-.42196	-.36347	444.96466
	GRADIENT	-.00013	.00509	.00064	-.00052	.00013	-.25890

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7007) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.255
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 32/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.520	-2.157	.00291	-.23939	-.24688	-.26649	-.22019	139.25038
2.529	.117	.00202	-.23772	-.25093	-.25657	-.21709	140.37022
2.528	2.279	.00326	-.24669	-.25631	-.25492	-.22157	140.37022
2.523	4.404	.00282	-.23665	-.24704	-.26139	-.22144	139.81034
2.505	6.558	.00210	-.24643	-.25529	-.25973	-.22082	137.71111
2.517	8.688	.00257	-.25789	-.25948	-.25516	-.22514	139.24933
2.520	11.183	.00241	-.26273	-.27710	-.27362	-.24143	139.53037
2.516	13.084	.00189	-.27084	-.27747	-.28923	-.24560	139.11143
2.517	15.362	.00151	-.28457	-.28146	-.28384	-.26071	139.25248
2.499	17.513	.00382	-.31153	-.30429	-.31773	-.28151	137.29194
2.494	19.778	.00146	-.34815	-.33477	-.32780	-.30700	136.87068
2.510	22.010	.00366	-.36639	-.36202	-.36713	-.33757	138.69138
2.503	24.093	.00408	-.40366	-.40994	-.43273	-.37487	138.13022
2.494	26.033	.00432	-.48191	-.48313	-.50251	-.43738	136.87271
2.511	27.877	.01124	-.62060	-.57184	-.64827	-.50069	138.83349
	GRADIENT	.00004	-.00018	-.00029	.00080	-.00037	.07959

RUN NO. 34/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.046	-2.179	.00551	-.23806	-.24003	-.26121	-.21724	225.56139
4.033	.105	.00457	-.23534	-.24275	-.25760	-.22126	224.30198
4.029	2.296	.00380	-.23515	-.24798	-.27341	-.21720	223.88178
4.035	4.487	.00435	-.24696	-.25348	-.25814	-.22040	224.30198
4.043	6.683	.00392	-.24749	-.24860	-.24839	-.22343	225.42343
4.060	8.890	.00324	-.25130	-.27046	-.24961	-.22136	227.52474
4.053	11.249	.00323	-.25093	-.27312	-.25502	-.23566	226.68576
4.028	13.432	.00162	-.26580	-.28977	-.27864	-.24796	223.88382
4.038	15.637	.00074	-.29912	-.28177	-.30012	-.26363	225.14540
4.043	17.903	.00341	-.32615	-.30271	-.32940	-.28487	225.70454
4.033	20.218	.00150	-.34392	-.33180	-.34942	-.31420	224.72524
4.036	22.511	.00956	-.37215	-.38834	-.37510	-.34058	225.00741
4.040	24.629	.00601	-.40983	-.41541	-.43872	-.39025	225.56863
4.033	26.576	-.00313	-.54422	-.50140	-.57641	-.46152	224.86940
	GRADIENT	-.00019	-.00118	-.00205	-.00030	-.00025	-.19078

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7007) (24 JUN 73)

REFERENCE DATA

SREF = 138.1103 SQ.IN XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0183 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 35/ 0 RN/L = 5.91 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.917	-2.206	.00697	-.24252	-.[illegible]5	-.25288	-.21233	330.15132
5.913	.143	.00639	-.24667	-.2[illegible]6	-.25018	-.21830	330.43049
5.914	2.392	.00540	-.24453	-.23834	-.26106	-.22300	330.15031
5.930	4.700	.00568	-.23087	-.23681	-.24590	-.21516	332.25046
5.922	6.958	.00483	-.23125	-.23369	-.25452	-.21044	331.27099
5.919	9.239	.00450	-.24080	-.23925	-.25317	-.22834	330.98982
5.912	11.565	.00367	-.25938	-.25864	-.25347	-.22299	330.29141
5.913	13.832	.00300	-.25717	-.28056	-.27478	-.24119	330.29242
5.950	16.182	.00216	-.27903	-.27425	-.30322	-.26535	334.35635
5.929	18.460	.00504	-.319[illegible]	-.30923	-.33908	-.28460	332.11755
5.924	20.918	.00481	-.3373[illegible]	-.33813	-.33637	-.30975	331.97646
5.927	23.185	.01284	-.37387	-.38726	-.38625	-.35648	332.25864
5.913	25.294	.00820	-.46072	-.42741	-.44469	-.39493	330.99895
	GRADIENT	-.00021	.00161	.00107	.00045	-.00058	.26216

RUN NO. 36/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.926	-2.252	.00755	-.25516	-.25343	-.26490	-.21695	441.05608
7.919	.132	.00586	-.21603	-.25311	-.27453	-.21119	441.05608
7.922	2.447	.00590	-.25026	-.24991	-.27230	-.22246	441.47950
7.915	4.762	.00420	-.25060	-.25826	-.25808	-.23292	441.05903
7.919	7.082	.00581	-.25122	-.25936	-.23504	-.21042	441.90193
7.921	9.454	.00429	-.24194	-.26331	-.25991	-.23412	442.32336
7.921	11.886	.00162	-.25456	-.26982	-.26611	-.24606	442.74578
7.906	14.265	.00205	-.27000	-.26876	-.28364	-.25200	441.04426
7.917	16.657	.00266	-.29862	-.28658	-.30319	-.27276	443.30931
7.902	19.027	.00655	-.33653	-.31370	-.31591	-.30236	441.63047
7.911	21.647	.00706	-.36785	-.34241	-.35567	-.31809	442.75467
7.874	23.884	.00349	-.40958	-.38388	-.42104	-.35399	439.39063
7.870	25.971	.00946	-.45735	-.45177	-.48445	-.41123	438.97104
	GRADIENT	-.00043	.00084	-.00048	.00096	-.00252	.01861

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7008) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	.000	MACH =	.254
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 33/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.494	-2.189	.00431	-.24129	-.24693	-.26766	-.22721	138.13641
2.495	-.045	.00373	-.24044	-.24380	-.26283	-.21985	138.41340
2.497	2.145	.00301	-.24243	-.24739	-.26058	-.22579	138.55344
2.499	4.261	.00353	-.25191	-.24096	-.25828	-.22454	138.69347
2.498	6.490	.00307	-.24786	-.25601	-.25391	-.22373	138.55447
2.498	8.620	.00353	-.24934	-.26428	-.25409	-.22356	138.41547
2.497	10.889	.00240	-.25940	-.27973	-.27460	-.22977	138.55240
2.501	13.067	.00207	-.27496	-.29221	-.27974	-.24707	138.83349
2.488	15.110	.00094	-.29095	-.29071	-.30370	-.26413	137.29397
2.502	17.439	.00437	-.31132	-.30125	-.31746	-.28295	138.83455
2.501	19.580	.00093	-.34235	-.33365	-.33426	-.30461	138.55447
2.500	21.904	.00266	-.36878	-.36181	-.36789	-.33503	138.41340
2.510	23.967	.00420	-.39908	-.40818	-.41147	-.37055	139.39563
2.508	26.011	.00143	-.48750	-.48222	-.50006	-.43654	139.25458
2.501	27.859	.01004	-.60536	-.56937	-.66193	-.49010	138.27440
	GRADIENT	-.00013	-.00157	.00066	.00141	.00009	.08409

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE (PP7009) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 37/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.491	-2.063	.00231	-.25822	-.24398	-.23653	-.21346	138.54196
2.511	.154	.00240	-.24700	-.24196	-.23629	-.21019	141.33563
2.493	2.305	.00240	-.24783	-.24724	-.23794	-.21213	139.37766
2.480	4.421	.00248	-.25171	-.24816	-.23676	-.21535	137.56179
2.476	6.626	.00213	-.24361	-.24895	-.24180	-.21561	137.28067
2.481	8.805	.00162	-.25814	-.25359	-.25408	-.22580	138.25460
2.488	10.997	.00165	-.26619	-.26193	-.26640	-.23377	139.09559
2.490	13.215	.00131	-.28157	-.27526	-.26883	-.24856	139.09877
2.486	15.484	.00064	-.30427	-.29391	-.28145	-.26376	138.67776
2.477	17.781	.00397	-.36183	-.33092	-.32071	-.28660	137.83771
2.484	19.848	.00047	-.38576	-.36483	-.33716	-.32572	138.53881
2.486	22.025	.00324	-.39093	-.39952	-.37100	-.35184	138.81986
2.490	24.117	.00158	-.47777	-.44630	-.43283	-.39175	138.62617
2.479	26.157	-.00133	-.54768	-.53099	-.49877	-.47120	137.98169
2.491	28.038	.00654	-.68262	-.65993	-.63991	-.52513	139.10617
	GRADIENT	.00002	.00088	-.00082	-.00011	-.00009	-.22147

RUN NO. 38/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.033	-2.078	.00483	-.27386	-.24152	-.24124	-.21527	225.12884
4.028	.186	.00465	-.23253	-.24453	-.23702	-.21181	224.71082
4.031	2.387	.00451	-.23749	-.24783	-.22510	-.21079	225.13092
4.033	4.625	.00349	-.25294	-.24108	-.24059	-.21766	225.27303
4.049	6.796	.00370	-.23755	-.23930	-.24261	-.21269	227.09316
4.034	8.974	.00327	-.25892	-.25140	-.24460	-.22713	225.55308
4.029	11.324	.00255	-.25949	-.26011	-.26322	-.23570	225.13403
4.031	13.549	[illegible]93	-.28441	-.28087	-.26794	-.25030	225.41514
4.024	15.820	.00154	-.31332	-.29762	-.28201	-.26554	224.71495
4.016	18.026	.00420	-.36254	-.34105	-.33669	-.29825	223.87360
4.027	20.550	.00210	-.38754	-.37391	-.35672	-.33218	225.13714
4.037	22.546	.00873	-.40311	-.40913	-.38343	-.36122	225.98148
4.030	24.651	.00514	-.49438	-.45651	-.42825	-.40904	225.42032
4.022	26.635	-.00354	-.61089	-.58236	-.53610	-.48100	224.71907
	GRADIENT	-.00019	.00260	-.00009	.00062	-.00027	.03185

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE (PP7009) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = .000 MACH = .255
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 1.200

RUN NO. 39/ 0 RN/L = 5.91 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.923	-2.131	.00392	-.25419	-.24331	-.24826	-.20825	330.13612
5.936	.206	.00351	-.24019	-.23486	-.23276	-.21423	331.67689
5.941	2.406	.00284	-.22839	-.24082	-.22858	-.21363	332.37819
5.936	4.761	.00281	-.24219	-.23968	-.23517	-.20504	331.67997
5.959	6.987	.00197	-.25197	-.23157	-.23300	-.20799	334.33972
5.918	9.280	.00136	-.25627	-.25392	-.26885	-.22005	329.71992
5.928	11.537	.00121	-.27235	-.25607	-.26743	-.22442	330.84160
5.943	13.927	-.00014	-.26716	-.28114	-.26499	-.25174	332.80452
5.929	16.256	.00042	-.34079	-.29638	-.28193	-.25815	331.26386
5.943	18.544	.00285	-.37324	-.33661	-.31967	-.29985	332.80555
5.940	21.062	.00166	-.39886	-.38016	-.35189	-.32019	332.66550
5.951	23.265	.01039	-.42357	-.42837	-.37797	-.35872	333.92899
5.912	25.316	.00809	-.46740	-.47127	-.43405	-.40660	330.00617
	GRADIENT	-.00017	.00207	.00023	.00190	.00045	.23238

RUN NO. 40/ 0 RN/L = 7.84 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.915	-2.145	.00727	-.28283	-.23759	-.25795	-.20585	440.90214
7.891	.215	.00620	-.25403	-.23851	-.23286	-.20679	438.24000
7.918	2.523	.00564	-.26878	-.23440	-.25478	-.21808	441.88315
7.913	4.887	.00410	-.28119	-.23440	-.24670	-.21007	441.46371
7.899	7.194	.00389	-.24085	-.23923	-.24041	-.22000	439.78383
7.913	9.579	.00272	-.26006	-.24826	-.25034	-.23465	441.74400
7.919	11.959	.00103	-.25263	-.26711	-.25446	-.23053	442.58780
7.923	14.472	.00140	-.28964	-.27603	-.25993	-.25156	443.00819
7.916	16.765	.00361	-.32787	-.31358	-.29636	-.28165	442.72892
7.893	19.198	.00501	-.35521	-.34532	-.31382	-.31991	440.06710
7.889	21.731	.00535	-.41782	-.38975	-.35679	-.33782	440.20727
7.904	23.959	.00520	-.43419	-.42294	-.41643	-.38050	441.75092
7.840	26.081	.00856	-.55372	-.52500	-.50332	-.44162	434.88101
	GRADIENT	-.00043	-.00041	.00058	.00052	-.00102	.22568

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE (PP7010) (24 JUN 75)

REFERENCE DATA

SREF =	138.1808 SQ.IN.	XMRP =	15.9639 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	6.000	MACH =	.256
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 43/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.507	-2.205	6.03960	-.23838	-.26017	-.23397	-.21486	138.66396
2.504	-.085	6.04343	-.25147	-.26346	-.23894	-.21694	138.80820
2.501	2.136	6.04032	-.24456	-.26307	-.23820	-.22107	138.66822
2.509	4.288	6.02947	-.26353	-.26731	-.22971	-.21724	139.65007
2.505	6.486	6.01176	-.27348	-.27173	-.23544	-.21550	139.51227
2.493	8.785	5.98416	-.27500	-.27130	-.23404	-.22440	138.39355
2.485	10.913	5.95255	-.28748	-.28628	-.25193	-.23602	137.69247
2.496	13.102	5.91342	-.29804	-.30837	-.24556	-.24412	138.81563
2.490	15.392	5.86429	-.31600	-.33464	-.24768	-.25278	138.25566
2.492	17.525	5.81211	-.34201	-.36102	-.26785	-.28499	138.67459
2.498	19.836	5.75123	-.36963	-.38158	-.30659	-.30618	139.23662
2.482	22.078	5.68082	-.38023	-.41302	-.31815	-.32622	137.55661
2.502	24.141	5.60897	-.42080	-.45327	-.36990	-.36054	139.93749
	GRADIENT		-.00155	-.00314	-.00097	.00063	-.00052 .12965

RUN NO. 44/ 0 RN/L = 4.14 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.156	-2.352	6.06860	-.24296	-.26411	-.23225	-.21441	226.19902
4.151	-.106	6.07402	-.25014	-.26330	-.23684	-.21760	226.20401
4.131	2.171	6.06997	-.25181	-.26307	-.24203	-.21459	224.52617
4.094	4.361	6.05917	-.26777	-.27245	-.23510	-.21725	220.74241
4.162	6.665	6.04315	-.27001	-.27620	-.23889	-.22105	228.59489
4.134	8.852	6.01620	-.27470	-.27918	-.23997	-.22892	225.65433
4.156	11.258	5.98316	-.28[illegible]	-.29192	-.23650	-.23609	228.32076
4.129	13.384	5.94460	-.30809	-.31429	-.23779	-.24620	225.65827
4.119	15.675	5.89436	-.30138	-.33357	-.25088	-.26255	224.53787
4.125	17.875	5.84483	-.33611	-.36849	-.25805	-.28451	225.24071
4.128	20.229	5.78552	-.36239	-.39324	-.30446	-.30549	225.94350
4.127	22.544	5.71881	-.38456	-.40985	-.32599	-.33919	226.08661
4.137	24.650	5.64359	-.42357	-.45700	-.38150	-.37823	227.34992
	GRADIENT		-.00143	-.00339	-.00109	-.00062	-.00024 -.80287

LA-9 LARC LTPT 130 NAR 0899-400. NOSE (PP7010) (24 JUN 73)

REFERENCE DATA

SREF =	176.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.256
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 43/ 0 RN/L = 6.18 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.151	-2.387	6.10379	-.22871	-.26002	-.23829	-.21586	332.30474
6.140	-.044	6.10741	-.24332	-.25403	-.22609	-.21740	332.02901
6.142	2.226	6.10349	-.25037	-.26775	-.23048	-.21022	332.59376
6.138	4.527	6.09382	-.26437	-.27018	-.23566	-.21230	332.73494
6.117	6.810	6.07490	-.27090	-.28323	-.22926	-.20902	330.35532
6.125	9.211	6.04889	-.27189	-.26794	-.23685	-.21886	331.76078
6.135	11.471	6.01769	-.28303	-.28801	-.24101	-.23074	333.44657
6.129	13.841	5.97862	-.29258	-.31376	-.24390	-.25223	333.02965
6.155	16.129	5.93194	-.30144	-.34960	-.23728	-.25791	336.11745
6.121	18.505	5.87962	-.34139	-.39481	-.25679	-.29173	332.75293
6.149	20.942	5.82405	-.36497	-.39511	-.29015	-.31276	336.40364
6.143	23.358	5.75397	-.38022	-.41423	-.33249	-.34213	335.98589
6.175	25.409	5.68313	-.43354	-.48673	-.40756	-.40933	339.77389
	GRADIENT		-.00146	-.00496	-.00191	.00016	.00077	.08021

RUN NO. 42/ 0 RN/L = 8.37 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
8.209	-2.425	6.13840	-.23816	-.26569	-.23966	-.22647	440.10372
8.210	-.002	6.14362	-.25220	-.25843	-.22867	-.21189	440.67043
8.214	2.329	6.14074	-.24207	-.26336	-.22945	-.21692	441.93382
8.209	4.715	6.13025	-.25497	-.26176	-.21036	-.22107	442.22278
8.197	7.024	6.11216	-.25738	-.26884	-.22797	-.21768	441.38674
8.175	9.372	6.08672	-.28131	-.26940	-.23392	-.21721	439.56388
8.194	11.800	6.05696	-.28270	-.29119	-.24319	-.22353	442.37428
8.192	14.321	6.01814	-.29903	-.30557	-.25254	-.24854	442.37988
8.193	16.758	5.96915	-.33930	-.35074	-.24452	-.27516	443.64700
8.193	19.199	5.91901	-.34624	-.35700	-.28467	-.30207	444.07436
8.197	21.803	5.85801	-.37438	-.39740	-.30341	-.32662	445.20304
8.198	24.085	5.79213	-.41173	-.42509	-.36860	-.35910	446.19332
8.373	26.223	5.71016	-.55800	-.52257	-.46932	-.45686	466.24103
	GRADIENT		-.00115	-.00171	.00027	.00367	.00048	.32049

DATE 12 SEP 73 TABULATED SOURCE DATA LTPT-130/139

LA-9 LARC LTPT 130 NAR 0698-MOD. NOSE +OMS (PP7011) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 Sq.IN.	XMRP =	15.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	6.000	MACH =	.251
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 49/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.514	-2.286	6.04338	-.26112	-.28409	-.26262	-.23533	138.32783
2.541	-.003	6.04915	-.25989	-.27259	-.26692	-.23773	141.69223
2.538	2.149	6.04455	-.25772	-.28299	-.27166	-.24148	141.55218
2.500	4.306	6.03323	-.27381	-.28022	-.23921	-.24029	137.34953
2.492	6.496	6.01504	-.27619	-.28394	-.26351	-.23157	136.64753
2.516	8.665	5.99001	-.26060	-.28620	-.24253	-.23362	139.31378
2.509	10.924	5.95625	-.30016	-.31471	-.24688	-.24282	138.47584
2.522	13.102	5.91386	-.30418	-.32999	-.24835	-.25339	140.15448
2.527	15.330	5.87118	-.31430	-.34083	-.26041	-.26543	140.85595
2.552	17.447	5.81857	-.33949	-.36063	-.28561	-.29541	141.41726
2.507	19.761	5.75677	-.38067	-.38810	-.31802	-.32282	138.61601
2.504	22.040	5.68698	-.38544	-.40536	-.32709	-.33979	138.61502
2.513	24.095	5.61451	-.43252	-.44489	-.38114	-.39080	139.45088
	GRADIENT		-.00157	-.00163	.00008	.00023	-.00085	-.13045

RUN NO. 48/ 0 RN/L = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.087	-2.315	6.07199	-.25212	-.28254	-.27277	-.24052	224.57252
4.101	-.020	6.07842	-.25866	-.27926	-.26517	-.23978	226.39718
4.120	2.180	6.07537	-.27290	-.28416	-.25762	-.23504	228.64188
4.112	4.408	6.06400	-.28086	-.28050	-.26534	-.24647	227.94305
4.092	6.580	6.04666	-.26746	-.27536	-.26560	-.23894	225.84119
4.078	8.848	6.01987	-.28846	-.29425	-.24576	-.22299	224.71560
4.093	11.169	5.98734	-.29917	-.32127	-.24899	-.24176	226.12354
4.078	13.390	5.94732	-.30050	-.31975	-.25159	-.24876	224.58012
4.073	15.674	5.89886	-.31473	-.34510	-.26475	-.25910	224.02103
4.082	17.981	5.84466	-.33621	-.36203	-.28180	-.29605	225.28414
4.100	20.203	5.78819	-.37626	-.40208	-.29951	-.32533	227.39015
4.073	22.519	5.72160	-.40493	-.40821	-.33032	-.34819	225.00843
4.079	24.680	5.64477	-.43018	-.44804	-.39738	-.38732	225.71150
	GRADIENT		-.00120	-.00449	.00006	.00121	-.00085	.55321

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7011) (24 JUN 73)

REFERENCE DATA

SREF =	133.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.251
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	1.200

RUN NO. 47/ 0 RN/L = 6.07 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.105	-2.319	6.10891	-.25444	-.27336	-.25522	-.23434	333.08858
6.089	-.023	6.11408	-.25477	-.26122	-.25896	-.22788	331.40672
6.084	2.232	6.11148	-.24363	-.28538	-.23532	-.23459	330.99030
6.089	4.509	6.10045	-.27141	-.26571	-.25982	-.24132	331.69559
6.073	6.796	6.08226	-.27981	-.23855	-.24437	-.23195	330.43168
6.073	9.147	6.05657	-.27138	-.29343	-.24909	-.22329	330.85270
6.088	11.457	6.02544	-.30252	-.31772	-.26060	-.22191	332.81904
6.091	13.760	5.99687	-.29076	-.32616	-.25000	-.24734	333.38211
6.107	16.098	5.93811	-.31342	-.34962	-.25208	-.27438	335.20683
6.085	18.455	5.88777	-.34547	-.35574	-.28657	-.29967	333.10242
6.089	20.815	5.83185	-.37495	-.40447	-.30199	-.32411	333.81040
6.076	23.180	5.75903	-.37621	-.40989	-.33035	-.34142	333.11343
6.074	25.393	5.68285	-.44055	-.43815	-.38329	-.39584	333.95899
	GRADIENT		-.00123	-.00175	-.00004	-.00045	-.00121	-.20255

RUN NO. 46/ 0 RN/L = 8.14 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
8.132	-2.453	6.14602	-.24678	-.28229	-.26071	-.22457	441.13488
8.114	-.108	6.15051	-.24716	-.27785	-.26666	-.22359	440.43611
8.152	2.258	6.14884	-.25182	-.28287	-.26322	-.22513	444.65229
8.165	4.580	6.14134	-.27059	-.26995	-.26039	-.24872	446.34[illegible]6
8.114	6.925	6.12174	-.27367	-.27120	-.25295	-.23994	442.2[illegible]483
8.097	9.239	6.09544	-.29497	-.29030	-.27349	-.23938	440.59931
8.083	11.786	6.06630	-.30106	-.29889	-.26245	-.23855	439.33723
8.075	14.149	6.02673	-.30993	-.36470	-.23468	-.25297	439.62970
8.070	16.521	5.98017	-.33042	-.33991	-.27351	-.27731	439.91038
8.056	19.013	5.93093	-.34268	-.36975	-.29935	-.30379	439.63603
8.062	21.467	5.87748	-.38270	-.39752	-.32714	-.33547	440.62115
8.110	23.867	5.80008	-.39352	-.40611	-.36622	-.36378	446.80029
8.137	26.008	5.73499	-.53900	-.45738	-.41820	-.41752	450.45085
	GRADIENT		-.00067	-.00324	.00136	.00019	-.00315	.84554

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7012) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	.9638 INCHES
LREF =	8.9025 INCHES	YMRP =	.000 INCHES
BREF =	17.5628 INCHES	ZMRP =	.000 INCHES
SCALE =	.0188 SCALE		

PARAMETRIC DATA

BETA =	6.000	MACH =	.251
ELEVTR =	.000	RUDFLR =	.000
GT LOC =	1.000	K/L =	6.820

RUN NO. 50/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q (PSF)
2.499	-2.325	6.04283	-.24767	-.27242	-.26177	-.23209	136.34297
2.504	-.038	6.04805	-.25799	-.28343	-.25884	-.23660	137.18493
2.508	2.097	6.04449	-.25759	-.27679	-.26698	-.23596	137.74548
2.516	4.328	6.03310	-.26911	-.27611	-.25595	-.24408	138.72627
2.505	6.441	6.01538	-.27653	-.27737	-.26295	-.23947	137.60535
2.517	8.656	5.98976	-.28053	-.27744	-.24953	-.23149	139.00746
2.519	10.799	5.95785	-.28440	-.28901	-.24468	-.23609	139.14755
2.515	13.054	5.91762	-.29490	-.31364	-.24793	-.24812	138.72829
2.521	15.244	5.87012	-.31587	-.32952	-.26273	-.26844	139.42872
2.514	17.627	5.81110	-.32525	-.34566	-.28752	-.29523	138.72829
2.497	19.729	5.75261	-.37852	-.37925	-.31212	-.31490	136.90659
2.512	21.961	5.68426	-.38879	-.41452	-.31771	-.34203	138.45008
2.500	24.197	5.61045	-.42380	-.44621	-.35884	-.37713	137.33001
	GRADIENT		-.00147	-.00290	-.00082	.00043	-.00160 .34921

RUN NO. 51/ 0 RN/L = 4.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q (PSF)
4.050	-2.393	6.07112	-.25056	-.27527	-.26489	-.22255	225.59426
4.038	-.076	6.07420	-.25192	-.26680	-.26191	-.22960	224.19535
4.051	2.114	6.07118	-.25699	-.27767	-.25991	-.23063	225.73841
4.137	4.375	6.06380	-.26775	-.27904	-.25600	-.23813	235.53878
4.048	6.541	6.04375	-.26396	-.26792	-.26289	-.23061	225.73943
4.046	8.794	6.01768	-.28288	-.29465	-.24433	-.23829	225.45926
4.031	10.991	5.98627	-.28602	-.30103	-.25069	-.23595	224.19836
4.022	13.372	5.94440	-.29845	-.31024	-.24961	-.25406	223.07934
4.017	15.502	5.90012	-.30672	-.32751	-.26697	-.26900	222.65989
4.060	17.833	5.84446	-.33188	-.35392	-.27841	-.29132	227.56228
4.038	20.247	5.78086	-.38116	-.38998	-.31904	-.32529	225.04302
4.050	22.406	5.71858	-.39319	-.41914	-.32702	-.34596	226.58497
4.022	24.633	5.64809	-.43145	-.44848	-.37306	-.39003	223.78399
	GRADIENT		-.00110	-.00260	-.00097	.00128	-.00213 .39062

LA-9 LARC LTPT 130 NAR 0898-MOD, NOSE +OMS (PP7012) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 1.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .251
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 6.820

RUN NO. 52/ 0 RN/L = 5.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.862	-2.396	6.10594	-.23762	-.27528	-.24895	-.22508	329.27327
5.868	-.049	6.11016	-.25274	-.27309	-.26215	-.22505	330.11470
5.887	2.223	6.10711	-.25964	-.27020	-.26016	-.22552	332.63653
5.848	4.615	6.09619	-.25426	-.27172	-.25532	-.23966	328.29574
5.888	6.812	6.07969	-.27069	-.26985	-.25820	-.23653	333.19975
5.902	9.143	6.05307	-.27359	-.27166	-.24780	-.22919	334.73985
5.883	11.365	6.02204	-.28087	-.31156	-.23568	-.23573	333.05973
5.876	13.767	5.98344	-.29611	-.32783	-.24011	-.24887	332.22268
5.892	16.096	5.93666	-.30914	-.32192	-.25656	-.26365	334.46405
5.900	18.360	5.88426	-.33610	-.36087	-.26953	-.29006	335.44615
5.853	20.687	5.82001	-.37498	-.39849	-.30124	-.32277	330.26806
5.885	23.100	5.76200	-.39229	-.41187	-.33733	-.34513	334.19136
5.869	25.264	5.68724	-.43659	-.45483	-.39532	-.40562	332.65416
	GRADIENT		-.00139	-.00243	.00058	-.00073	-.00191	-.02284

RUN NO. 53/ 0 RN/L = 7.93 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.831	-2.435	6.14499	-.22841	-.26833	-.26250	-.23561	441.18243
7.862	-.023	6.15111	-.24749	-.27199	-.26029	-.22692	445.10996
7.852	2.286	6.14803	-.25834	-.26657	-.26924	-.23410	444.41041
7.854	4.644	6.13722	-.27425	-.28355	-.25590	-.24155	445.11197
7.791	7.024	6.11932	-.27176	-.28571	-.24662	-.24722	436.70470
7.735	9.349	6.09214	-.26904	-.27939	-.24942	-.23523	427.54781
7.827	11.764	6.06192	-.29275	-.29639	-.24732	-.23250	443.15528
7.765	14.180	6.02365	-.28988	-.32625	-.24241	-.25451	436.42526
7.813	16.604	5.97701	-.30909	-.34205	-.27305	-.27479	442.17828
7.836	19.019	5.92555	-.34696	-.37505	-.29020	-.30381	445.12400
7.778	21.530	5.86231	-.38502	-.40459	-.31204	-.33962	438.53980
7.841	24.014	5.80553	-.40413	-.41606	-.34987	-.35923	445.96969
7.934	25.904	5.70345	-.48926	-.52597	-.42231	-.43110	457.04208
	GRADIENT		-.00111	-.00631	-.00171	.00046	-.00105	.47415

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +CNS (PPT013) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.248
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	3.000	K/L =	6.820

RUN NO. 57/ 0 RN/L = 2.58 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.580	-2.166	6.00182	-.24932	-.27995	-.25545	-.22997	137.96076
2.598	-.093	6.00565	-.24584	-.27240	-.26600	-.24138	140.18798
2.592	1.956	6.00181	-.25625	-.27353	-.26160	-.23847	139.92713
2.602	4.019	5.99058	-.25519	-.27489	-.25313	-.23629	141.04972
2.583	6.090	5.97136	-.26793	-.27849	-.25674	-.23476	139.08665
2.583	8.110	5.94528	-.27349	-.28433	-.23820	-.23349	139.08759
2.579	10.124	5.91237	-.28189	-.30175	-.24523	-.23856	138.80614
2.579	12.171	5.87211	-.29983	-.31923	-.25308	-.24609	138.80707
2.567	14.267	5.82247	-.30625	-.33357	-.26706	-.27056	137.82511
2.566	16.254	5.76937	-.33184	-.34987	-.28016	-.28729	137.68574
2.551	18.359	5.70556	-.37877	-.37228	-.31594	-.31319	136.14211
2.576	20.322	5.63938	-.40824	-.42176	-.33171	-.34959	138.95015
2.573	22.427	5.56139	-.43212	-.44981	-.36881	-.38768	139.09042
	GRADIENT		-.00182	-.00136	.00068	.00025	-.00078	.42313

RUN NO. 56/ 0 RN/L = 4.16 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.171	-2.396	6.06992	-.24898	-.27226	-.24808	-.22965	226.14552
4.168	-.067	6.07467	-.24882	-.27030	-.25652	-.22530	226.28766
4.163	2.170	6.07223	-.23988	-.26545	-.24898	-.22592	225.86788
4.159	4.505	6.06097	-.26496	-.26872	-.25746	-.23918	225.44713
4.165	6.617	6.04448	-.26160	-.28297	-.25493	-.23873	226.43169
4.147	8.829	6.01856	-.27998	-.29242	-.24993	-.23621	224.60836
4.165	11.062	5.98530	-.27029	-.30109	-.23069	-.24186	226.43264
4.163	13.361	5.94546	-.29269	-.32748	-.24293	-.24872	226.29335
4.162	15.661	5.89824	-.30986	-.32749	-.27075	-.25317	226.29430
4.161	17.833	5.84589	-.32153	-.34517	-.26795	-.27534	226.43549
4.151	20.126	5.78808	-.37694	-.37705	-.31654	-.32159	225.59586
4.161	22.557	5.71884	-.39959	-.42295	-.32697	-.35079	226.57952
4.162	24.742	5.65167	-.42414	-.45211	-.37115	-.38273	227.14047
	GRADIENT		-.00128	-.00172	.00067	-.00091	-.00128	-.10944

LA-9 LARC LTPT 130 NAR 3898-MOD. NOSE +OM3 (PP7013) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.248
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	3.000	K/L =	6.820

RUN NO. 55/ 0 RN/L = 6.16 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.154	-2.437	6.10499	-.24265	-.26059	-.26201	-.22896	330.85905
6.143	-.083	6.11000	-.22502	-.25330	-.25738	-.22907	330.30128
6.147	2.275	6.10771	-.24465	-.26444	-.24514	-.23207	331.28733
6.160	4.489	6.09849	-.24707	-.27225	-.23887	-.23266	332.97495
6.134	6.767	6.08046	-.25515	-.26947	-.23692	-.22519	330.72955
6.153	9.023	6.05640	-.26493	-.28526	-.24563	-.22950	332.97586
6.154	11.378	6.02159	-.29484	-.29409	-.23325	-.23424	333.11892
6.144	13.680	5.98376	-.28432	-.31965	-.22650	-.25078	332.13843
6.144	16.105	5.93740	-.30520	-.32872	-.24932	-.26460	332.70341
6.142	18.459	5.88256	-.32588	-.34076	-.26967	-.28115	332.56489
6.153	20.739	5.83063	-.35165	-.37129	-.30026	-.32077	334.25063
6.150	23.234	5.76738	-.39487	-.40642	-.32617	-.35054	334.25338
6.161	25.358	5.70197	-.44222	-.46131	-.39030	-.40387	335.37955
	GRADIENT		-.00092	-.00141	-.00198	.00353	-.00061 .31421

RUN NO. 54/ 0 RN/L = 8.01 GRADIENT INTERVAL = -5.00 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
8.034	-2.429	6.14183	-.21702	-.26156	-.25845	-.22870	441.50891
8.016	.007	6.14660	-.24959	-.26288	-.26871	-.23608	439.96885
8.010	2.336	6.14488	-.25322	-.27159	-.25126	-.22971	439.54923
8.024	4.663	6.13425	-.25618	-.25941	-.24583	-.24058	441.51379
8.014	7.008	6.11722	-.25155	-.25560	-.25016	-.23113	440.53443
8.019	9.397	6.09031	-.25654	-.27287	-.23923	-.23541	441.51866
8.018	11.743	6.05770	-.29023	-.32566	-.22824	-.21684	441.60371
8.015	14.230	6.01843	-.29808	-.31882	-.23863	-.25264	441.94212
8.011	16.704	5.97385	-.30132	-.34460	-.24694	-.27751	441.94407
8.014	19.070	5.92492	-.34585	-.36647	-.26802	-.28710	442.36850
8.016	21.610	5.86964	-.37734	-.39502	-.31642	-.32846	443.35460
8.005	23.930	5.82216	-.39691	-.42099	-.34833	-.35937	442.80170
8.013	26.188	5.75214	-.45684	-.48649	-.38939	-.41314	444.90719
	GRADIENT		-.00102	-.00516	-.00010	.00232	-.00124 -.03034

LA-9 LARC LTPT 130 NAR 0898-MOD. NOSE +OMS (PP7014) (24 JUN 73)

REFERENCE DATA

SREF = 136.1808 SQ.IN. XMRP = 15.9638 INCHES
LREF = 8.9025 INCHES YMRP = .0000 INCHES
BREF = 17.5628 INCHES ZMRP = .0000 INCHES
SCALE = .0188 SCALE

PARAMETRIC DATA

BETA = 6.000 MACH = .54
ELEVTR = .000 RUDFLR = .000
GT-LOC = 1.000 K/L = 2.440

RUN NO. 61/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.498	-2.279	6.04366	-.25935	-.27412	-.25889	-.22658	139.27019
2.494	-.058	6.04810	-.26117	-.27499	-.25974	-.23583	138.98907
2.496	2.123	6.04363	-.26194	-.27283	-.25921	-.23666	139.26812
2.491	4.441	6.03193	-.27226	-.28024	-.26299	-.24159	138.29486
2.491	6.465	6.01454	-.27533	-.28294	-.24588	-.23530	138.70896
2.497	8.675	5.98966	-.27831	-.26813	-.24601	-.23349	138.99523
2.496	10.928	5.95568	-.29312	-.30285	-.24742	-.23195	138.71816
2.497	13.108	5.91614	-.30636	-.32629	-.24414	-.25280	138.85925
2.500	15.328	5.86919	-.31461	-.34539	-.25642	-.26572	139.00340
2.494	17.482	5.81610	-.35164	-.36443	-.28148	-.28918	138.85415
2.499	19.762	5.75214	-.36477	-.37897	-.30519	-.31645	139.14041
2.486	21.910	5.68788	-.39820	-.42158	-.32037	-.33883	138.56685
2.490	24.119	5.61263	-.41098	-.43796	-.34231	-.36165	139.12705
	GRADIENT		-.00179	-.00178	-.00074	-.00053	-.00205	-.11978

RUN NO. 60/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
4.125	-2.355	6.07287	-.24993	-.27802	-.24821	-.22962	224.19309
4.133	-.081	6.07740	-.25646	-.26490	-.25741	-.23450	225.31345
4.132	2.200	6.07397	-.26130	-.27205	-.26263	-.23329	225.31252
4.124	4.374	6.06292	-.26867	-.26984	-.26357	-.22643	224.33245
4.129	6.734	6.04390	-.27246	-.28493	-.24690	-.23583	225.17319
4.135	8.925	6.01870	-.27239	-.28540	-.24090	-.23246	225.87449
4.133	11.173	5.98659	-.28773	-.30002	-.23869	-.23367	226.01097
4.116	13.379	5.94747	-.30603	-.33491	-.24810	-.24425	223.91250
4.132	15.648	5.90143	-.31555	-.35914	-.24794	-.26015	225.73706
4.136	17.816	5.84803	-.33832	-.37228	-.27064	-.28740	226.43643
4.127	20.094	5.78921	-.37730	-.37761	-.32630	-.31915	225.59492
4.139	22.442	5.72365	-.38671	-.41420	-.31241	-.33802	227.27593
4.127	24.779	5.64609	-.42233	-.44378	-.35192	-.38127	225.87638
	GRADIENT		-.00147	-.00360	.00078	-.00229	.00047	.02061

LA-9 LARC LTPT 130 NAR 089B-MOD. NOSE +OMS (PP7014) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.254
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	2.440

RUN NO. 59/ 0 RN/L = 6.12 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
6.124	-2.406	6.10823	-.24778	-.27120	-.24200	-.22496	331.27825
6.114	-.033	6.11203	-.25967	-.27912	-.23705	-.22535	330.71327
6.107	2.201	6.10841	-.23915	-.26979	-.24621	-.23775	330.01246
6.112	4.460	6.09939	-.27183	-.27140	-.23573	-.22004	330.85452
6.097	6.753	6.08021	-.26893	-.26989	-.23606	-.22454	329.03177
6.108	9.086	6.03439	-.28770	-.28485	-.22189	-.21768	330.43531
6.125	11.396	6.02410	-.28173	-.29469	-.22995	-.22713	332.54300
6.109	13.721	5.98459	-.29150	-.30472	-.23320	-.23406	330.85815
6.116	16.123	5.93646	-.31963	-.34121	-.24868	-.26399	331.84139
6.106	18.360	5.88420	-.34839	-.36319	-.27198	-.29418	330.58559
6.105	20.754	5.82635	-.36598	-.40264	-.30523	-.32539	330.58018
6.118	23.094	5.76299	-.38851	-.41486	-.32608	-.34167	331.85685
6.120	25.402	5.69943	-.42786	-.45716	-.37574	-.39145	332.55762
	GRADIENT		-.00131	-.00227	.00037	.00126	.00010	-.08736

RUN NO. 58/ 0 RN/L = 8.02 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
8.092	-2.468	6.14730	-.23678	-.27582	-.24911	-.22805	438.95819
8.081	-.082	6.15092	-.24355	-.27381	-.24125	-.23441	438.25771
8.094	2.251	6.14974	-.26108	-.27510	-.25338	-.23711	439.94571
8.089	4.590	6.13962	-.26301	-.28628	-.23802	-.22019	439.80357
8.081	6.980	6.12018	-.27241	-.27626	-.24600	-.21952	439.66517
8.090	9.281	6.09492	-.28124	-.28074	-.24243	-.22527	441.06595
8.075	11.705	6.06500	-.29107	-.31863	-.23330	-.23647	439.38742
8.095	14.105	6.02717	-.29333	-.32903	-.23914	-.26607	441.49707
8.068	16.546	5.97903	-.31089	-.33758	-.26388	-.28045	438.96843
8.089	18.937	5.92741	-.35155	-.36903	-.28256	-.29515	441.36150
8.092	21.389	5.87178	-.38767	-.40928	-.30482	-.32945	441.78417
8.102	23.871	5.80502	-.40978	-.41924	-.34262	-.35002	443.47570
8.022	26.111	5.71260	-.47454	-.49949	-.40030	-.41601	435.05720
	GRADIENT		-.00115	-.00409	-.00138	.00090	.00088	.17900

LA-9 LARC LTPT 130 NAR 08 B-MOD. NOSE +CMS (PP7015) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.254
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	K/L =	.000

RUN NO. 62/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
2.500	-2.307	6.04137	-.24400	-.27129	-.26247	-.23650	138.42679
2.497	-.040	6.04580	-.24940	-.27411	-.25940	-.23665	138.14767
2.506	2.220	6.0428.	-.26192	-.27694	-.25919	-.24019	139.12705
2.497	4.273	6.03084	-.25716	-.27860	-.25473	-.24147	138.00661
2.494	6.501	6.01350	-.27117	-.28342	-.25235	-.24105	137.86649
2.501	8.628	5.98693	-.28768	-.30038	-.24190	-.23425	138.56890
2.491	10.879	5.95332	-.29593	-.30932	-.24524	-.23819	137.58631
2.510	13.068	5.91442	-.31359	-.34629	-.22974	-.25261	139.54922
2.504	15.333	5.86834	-.31900	-.34625	-.25454	-.25441	138.85004
2.504	17.523	5.81299	-.33658	-.35919	-.27020	-.28669	138.71306
2.500	19.686	5.74747	-.36412	-.38173	-.30448	-.31712	138.15680
2.508	21.969	5.68258	-.38528	-.40127	-.34047	-.33587	139.27535
2.509	24.197	5.60600	-.42721	-.44257	-.36886	-.37303	139.00034
	GRADIENT		-.00153	-.00239	-.00123	.00106	-.00084 -.00926

RUN NO. 63/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
3.987	-2.313	6.07141	-.23556	-.27146	-.24913	-.23765	221.21188
3.993	-.057	6.07592	-.24322	-.27326	-.25797	-.24348	222.05254
3.996	2.176	6.07279	-.23423	-.27335	-.24649	-.23813	222.47283
3.995	4.408	6.06265	-.24249	-.27331	-.25458	-.24133	222.33375
3.995	6.654	6.04260	-.26685	-.29446	-.24113	-.24112	222.33375
3.999	8.872	6.01642	-.28479	-.30656	-.23909	-.2346	222.89512
3.989	11.134	5.98211	-.30612	-.33251	-.22980	-.22650	221.63523
4.010	13.420	5.94332	-.30660	-.33987	-.24383	-.24947	224.01878
4.007	15.726	5.89677	-.32196	-.35329	-.24553	-.26854	224.01674
4.004	17.894	5.84422	-.33763	-.35325	-.26628	-.28385	223.87565
4.004	20.213	5.78118	-.37299	-.38215	-.29951	-.30842	223.59857
4.003	22.591	5.70971	-.40251	-.41841	-.34069	-.34861	223.59959
3.989	24.847	5.63142	-.43003	-.44139	-.37026	-.37702	222.47485
	GRADIENT		-.00131	-.00053	-.00025	-.00022	-.00026 .15927

LA-9 LARC LTPT 130 NAR 0898-MOD, NC 73 (PP7015) (24 JUN 73)

REFERENCE DATA

SREF =	136.1808 SQ.IN.	XMRP =	15.9638 INCHES		
LREF =	8.9025 INCHES	YMRP =	.0000 INCHES		
BREF =	17.5628 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0188 SCALE				

PARAMETRIC DATA

BETA =	6.000	MACH =	.854
ELEVTR =	.000	RUDFLR =	.000
GT-LOC =	1.000	R/L =	.000

RUN NO. 64/ 0 RN/L = 5.68 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
5.864	-2.370	6.10931	-.2.126	-.27063	-.26889	-.23881	328.03467
5.867	-.057	6.11206	-.23111	-.25910	-.25402	-.22088	328.43500
5.867	2.244	6.11106	-.22486	-.26747	-.25408	-.23458	328.73420
5.865	4.665	6.09959	-.24903	-.27578	-.25655	-.23650	328.73420
5.865	6.767	6.08147	-.25830	-.28650	-.24119	-.23641	328.45801
5.865	9.129	6.05343	-.26921	-.28394	-.23578	-.23232	328.87430
5.854	11.412	6.02047	-.29379	-.31329	-.23699	-.22599	327.89356
5.859	13.790	5.98089	-.29032	-.31920	-.24384	-.24650	328.59510
5.860	16.137	5.93745	-.32077	-.38111	-.25267	-.26607	328.73722
5.864	18.505	5.88135	-.34744	-.37757	-.27039	-.28881	329.02145
5.867	20.738	5.82339	-.38447	-.37885	-.29618	-.31311	329.58587
5.867	23.195	5.75321	-.39194	-.42155	-.33187	-.34782	329.86406
5.876	25.433	5.66804	-.43857	-.45972	-.38867	-.38924	331.12990
	GRADIENT	-.00134	-.00204	-.00103	.00154	-.00030	.10113

RUN NO. 65/ 0 RN/L = 7.87 GRADIENT INTERVAL = -5.00/ 5.00

RN/L	ALPHA	BETA	CP1	CP2	CP3	CP4	Q(PSF)
7.881	-2.427	6.14444	-.23143	-.26548	-.25738	-.23793	440.21413
7.862	-.006	6.14877	-.24907	-.26549	-.26289	-.23892	438.39185
7.885	2.324	6.14709	-.22993	-.26206	-.25410	-.24289	440.91592
7.859	4.620	6.13744	-.26534	-.28132	-.24863	-.24149	438.39476
7.890	7.032	6.11789	-.26665	-.27801	-.24253	-.23576	442.31743
7.884	9.358	6.09172	-.27591	-.28063	-.24130	-.23277	441.34033
7.866	11.742	6.05978	-.30791	-.33708	-.21498	-.24759	439.51914
7.852	14.259	6.02175	-.29827	-.31696	-.24357	-.26172	438.25748
7.867	16.590	5.98051	-.32380	-.34534	-.24983	-.27252	440.22000
7.861	19.041	5.92925	-.35136	-.38803	-.28867	-.29926	439.94162
7.886	21.405	5.86937	-.38562	-.37878	-.33058	-.32143	443.02715
7.877	23.967	5.79716	-.41202	-.42712	-.33189	-.34643	442.60464
7.872	26.223	5.71206	-.46012	-.48243	-.40029	-.40374	441.49620
	GRADIENT	-.00195	-.00351	.00299	.00148	-.00163	.12517