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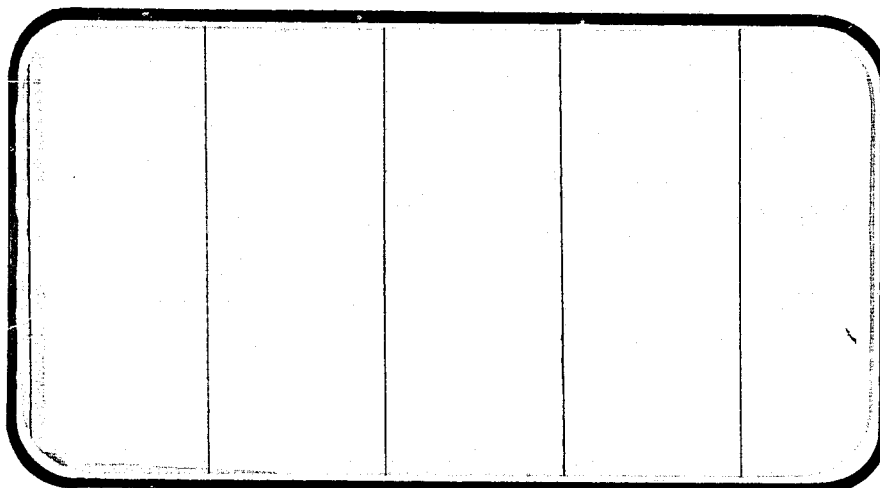
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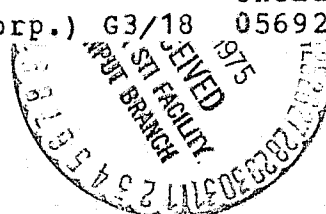


(NASA-CR-141843) TRANSONIC STABILITY AND
CONTROL CHARACTERISTICS OF A 0.015-SCALE
(REMOTELY CONTROLLED FLVCN) MODEL 44-C OF
THE SPACE SHUTTLE ORBITER TESTED IN THE
NASA/LARC 8 FOOT TPT (LA62) (Chrysler Corp.)

N76-13191

Unclas

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

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TRANSONIC STABILITY AND CONTROL CHARACTERISTICS
OF A 0.015-SCALE (REMOTELY CONTROLLED ELEVON)
MODEL 44-0 OF THE SPACE SHUTTLE ORBITER
TESTED IN THE NASA/LaRC 8-FOOT TPT (LA62)

by

Joe D. Gamble and Marshall L. Buhl, Jr., JSC
Harry Parrell, RI

Prepared under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC 8' TPT 717
NASA Series Number: LA62
Model Number: 44-0
Test Dates: May 14 - 23, 1975
Occupancy Hours: 96

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TRANSONIC STABILITY AND CONTROL CHARACTERISTICS
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ABSTRACT

The investigation was conducted in the NASA/Langley Research Center 8-foot Transonic Pressure Tunnel during the time period from May 14 through May 23, 1975. The model was a Langley-built 0.015-scale SSV orbiter model of a 140C configuration (figure 2) with remote, independently-operated left and right elevon surfaces. The objective of the test was to generate a detailed aerodynamic data base which can be used to substantiate the aerodynamic design data book for the current shuttle orbiter configuration. Special attention was directed to definition of non-linear aerodynamic characteristics by taking data at small increments in Mach number, angle of attack, and elevon position.

Six-component aerodynamic force and moment and elevon position data were recorded over an angle-of-attack range from -4° to 20° , at angles of sideslip of 0° and 2° .

The test Mach numbers were 0.35, 0.60, 0.70, 0.80, 0.90, 0.92, 0.95, 0.98, 1.12, and 1.20. The Reynolds number for most of the test was held at a constant 3.5×10^6 per foot. Limited Reynolds number effects were determined at Mach 0.6 ($R = 5 \times 10^6$ per foot) and Mach 0.80 ($R = 5.75 \times 10^6$ per foot).

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COEFFICIENT SCHEDULE:

- (A): CL, CA, CLM, L/D, vs. ALPHA
CL vs. CLM, CL vs. CD
- (B): CN, CL, CLM, CD, CA, L/D, XCP/L vs. ELEVON
CY, CYN, CBL vs. ELEVON
- (C): CN, CL, CLM, CD, CA, L/D, XCP/L vs. AILERON
CY, CYN, CBL vs. AILERON
- (D): DCBLDA, DCYNDA, DCY/DA, DCLMDA vs. ALPHA
- (E): DCBLDB, DCYNDB, DCY/DB, DCLMDB vs. ALPHA
- (F): DCBLDR, DCYNDR, DCY/DR, vs. ALPHA

NOMENCLATURE
General

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

Reference & C.G. Definitions

A_b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l_{REF}}{c}$	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

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

Stability-Axis System

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

NOMENCLATURE (Continued)
(Additions to Standard List)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
δ_{eL}	ELVN-L	left elevon surface deflection angle, positive deflection trailing edge down, degrees
δ_{eR}	ELVN-R	right elevon surface deflection angle, positive deflection trailing edge down, degrees
δ_a	AILRON	aileron deflection angle, $(ELVN-L/2 - ELVN-R/2)$, degrees
δ_e	ELEVON	elevon deflection angle, $(ELVN-L/2 + ELVN-R/2)$, degrees
δ_{BF}	BDFLAP	body flap deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
δ_r	RUDDER	rudder deflection angle, degrees
X_{cp}/l_B	XCP/L	normal force center-of-pressure over body length
$C_{l_{\delta a}}$	DCBLDA	rolling moment coefficient derivative with respect to aileron deflection, per degree
$C_{n_{\delta a}}$	DCYNDA	yawing moment coefficient derivative with respect to aileron deflection, per degree
$C_{y_{\delta a}}$	DCY/DA	side force coefficient derivative with respect to aileron deflection, per degree
$C_{m_{\delta a}}$	DCLMDA	pitching moment coefficient derivative with respect to aileron deflection, per degree
$C_{l_{\beta}}$	DCBLDB	rolling moment coefficient derivative with respect to sideslip angle, per degree
$C_{n_{\beta}}$	DCYNDB	yawing moment coefficient derivative with respect to sideslip, per degree

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{y\beta}$	DCY/DB	side force coefficient derivative with respect to sideslip, per degree
$C_{m\beta}$	DCLMDB	pitching moment coefficient derivative with respect to sideslip, per degree
$C_{l\delta_R}$	DCBLDR	rolling moment coefficient derivative with respect to rudder deflection, per degree
$C_{n\delta_R}$	DCYNDR	yawing moment coefficient derivative with respect to rudder deflection, per degree
$C_{y\delta_R}$	DCY/DR	side force coefficient derivative with respect to rudder deflection, per degree
A_{sc}		sting cavity area; m ² , ft ²
l_B		body length; m, ft.
C_{p_1}	CP1	sting cavity pressure coefficient
C_{p_2}	CP2	base pressure coefficient
$\Delta\delta_a$	DAILRN	incremental aileron deflection angle, degrees
$\Delta\beta$	DBETA	incremental sideslip angle, degrees
$\Delta\delta_R$	DLTRUD	incremental rudder deflection angle, degrees

INTRODUCTION

NASA is continuing experimental and analytical development of an aerodynamically sound and effective space shuttle vehicle. Extensive wind tunnel support has been devoted to this vehicle, especially the orbiter configuration, which is at present fixed in basic design. Several areas of concern have recently been noted from analysis of experimental data obtained in the numerous tests in various facilities which are the existence of regions of non-linear aerodynamic characteristics significant enough to cause concern to control designers and secondly, disagreement between data obtained in the various facilities across the country.

Therefore, the Langley Research Center, in cooperation with Johnson Space Center and Rockwell International, has undertaken an experimental program to determine in detail the aerodynamic characteristics of a model of the space shuttle orbiter. Attention will be given to conditions which have in past investigations shown regions of non-linearity since detailed definition in these regions are particularly important in the development of longitudinal and lateral control characteristics to be used in the vehicle control logic. In addition, in order to minimize the effect of configuration differences which may contribute to uncertainties, a single model will be tested in the following selected facilities:

INTRODUCTION (Continued)

Langley Research Center

- 8-foot Transonic Pressure Tunnel
- Low Turbulence Pressure Tunnel
- Unitary Plan Wind Tunnels No. 1 and 2

Ames Research Center

- 12-foot Transonic Pressure Tunnel

Calspan

- 8-foot Variable Density Transonic Tunnel

LTV, Inc.

- 4 x 4-foot Supersonic Wind Tunnel

The model was designed with remotely controlled elevons so that pitch and roll control effectiveness could be defined in small control increments over a wide range of control settings in an expedient manner. A large data base of aerodynamic characteristics will be determined in continuous flow, lower Reynolds number facilities. Non-linearities or other possible problem areas that appear in these low Reynolds number tests will be investigated in facilities which are capable of higher Reynolds numbers. At the conclusion of the overall program, aerodynamic data will be available in the Mach range from 0.25 to 4.6 on a single model and in a sufficiently wide range of Reynolds numbers to give a high

INTRODUCTION (Concluded)

degree of confidence in the data, and extrapolation to full scale conditions.

Purpose of this report is to present aerodynamic characteristics obtained in the Langley 8-foot Transonic Pressure Tunnel at Mach numbers from 0.35 to 1.2 over an angle of attack range from -4° to 20° at 0° and 2° of sideslip and at Reynolds number per foot of 3.5×10^6 except where noted. Fine cuts in elevator and aileron deflections as well as Mach number and angle of attack were obtained in this investigation.

CONFIGURATIONS INVESTIGATED

Test model was a 0.015-scale model of the space shuttle orbiter (figures 2 and 3). The model was constructed at Langley Research Center using the nose section forward of full-scale fuselage station 672.8, the vertical tail, and OMS pods from an existing Rockwell model 49-0. The remainder of the model, the wings, elevons, and body were constructed from Rockwell-furnished line details.

The elevon hinge line gap was not sealed for this test. The left and right elevon surfaces were driven independently by internally mounted electric motors. The elevon position was determined by high resolution potentiometers mounted on the pivot axis of the elevons, giving the true position of the elevon under load at all times. The accuracy of the elevon position is the read-out accuracy of the potentiometer, which was determined to be within 0.2 degree.

Model configuration is summarized as follows:

Orbiter-140A/B/C = B₂₆ C₉ E₄₃ F₈ M₁₆ N₂₈ R₅ V₈ W

<u>Component</u>	<u>Definition</u>
B ₂₆	Fuselage per Rockwell Lines VL70-000140A and VL70-000140B (Model drawing SS-A00147)
C ₉	Canopy per Rockwell Lines VL70-000140A and VL70-000143B (Model drawing SS-A00147)
E ₄₃	Slotted version (6-inch) of E ₂₆ elevons per Rockwell VL70-000145 (Model drawing SS-A00147)
F ₈	Body flap per Rockwell Lines VL70-000145 (Model drawing SS-A00147)

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Component</u>	<u>Definition</u>
M ₁₆	OMS/RCS pods per Rockwell Lines VL70-0084010 (Model drawing SS-A00147)
N ₂₈	OMS engine nozzle per Rockwell Lines VL70-000145 (Model drawing SS-A00147)
R ₅	Rudder per Rockwell Lines VL70-000146A (Model drawing SS-A00148)
V ₈	Vertical tail per Rockwell Lines VL70-000146A (Model drawing SS-A00148)
W	Wing per Rockwell V70-30-906-01 (Basic control drawing.

A complete description of model dimensional data is given in table III.

TEST FACILITY DESCRIPTION

NASA/Langley Research Center 8-foot Transonic Pressure Tunnel is an air-medium facility capable of attaining continuously variable Mach numbers from 0.20 to 1.30. It is a single-return, closed-circuit tunnel, having controlled stagnation temperature, total pressure, and dew-point temperature. The test section is 7.1 square feet. Reynolds numbers are variable from $0.30 \times 10^6/\text{foot}$ to $7.00 \times 10^6/\text{foot}$, depending on Mach number and tunnel total-pressure limitations. Models are supported in the test section by a sting-sector system, but wall-mounting is possible. Schlieren photography is available for flow and shock-wave studies.

TEST CONDITIONS

Tunnel conditions during the test are summarized in table I and the configurations tested are shown in table II. The model was sting supported, and the aerodynamic forces and moments were measured by an internally mounted six-component strain gage balance. In an attempt to insure turbulent flow over the model, strips of carborundum grit were applied to the wing, vertical tail, and nose. Locations of grit are shown in figure 2b.

Model angle of attack was varied from about -4° to 20° for angles of sideslip of 0° and 2° . Angle of attack has been corrected for the effects of sting deflection under load. Runs were made either by setting the elevons at a fixed angle from $+10^\circ$ to -20° and varying angle of attack or by fixing the angle of attack and varying the elevon angle. No correction due to load has been applied to elevon angle since total torsional bending of the elevon has been determined to be negligible.

DATA REDUCTION

An LaRC UT-27-100 six-component strain gage balance was used to measure model forces and moments. All final data were presented along a set of body and stability axes (figure 1) passing through the nominal center of gravity located at FS 1076.7 and FRL 375.0. Drag data presented gross drag in that no corrections to free-stream conditions in the base regions have been made. Model data were converted to standard NASA coefficients using the following constants:

Reference area	SREF = 0.605 ft. ²
Reference length	LREF = 7.122 in.
Reference span	BREF = 14.05 in.
Total base area excluding sting cavity	A _b = 0.0615 ft. ²
Sting cavity area	A _{sc} = 0.03409 ft. ²

TABLE I

TEST : LaRC 8' TPT 717		DATE : 4/14/75	
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per foot)	DYNAMIC PRESSURE (pounds/foot)	STAGNATION TEMPERATURE (degrees Fahrenheit)
.35	2.00×10^6	164	100°
.60	3.50×10^6	461	100°
.70	3.50×10^6	523	100°
.80	3.50×10^6	577	100°
.90	3.50×10^6	625	100°
.92	3.50×10^6	634	100°
.95	3.50×10^6	647	100°
.98	3.50×10^6	658	100°
1.12	3.50×10^6	707	100°
1.20	3.50×10^6	730	100°
.60	5.00×10^6	659	100°
.80	5.75×10^6	948	100°

BALANCE UTILIZED: LaRC UT 27-100

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	<u>600 lb.</u>	<u>± 3 lb.</u>	<u> </u>
SF	<u>300 lb.</u>	<u>± 1.50 lb.</u>	<u> </u>
AF	<u>100 lb.</u>	<u>± 0.500 lb.</u>	<u> </u>
PM	<u>800 in.-lb.</u>	<u>± 4.00 in.-lb.</u>	<u> </u>
RM	<u>400 in.-lb.</u>	<u>± 2.00 in.-lb.</u>	<u> </u>
YM	<u>600 in.-lb.</u>	<u>± 3.00 in.-lb.</u>	<u> </u>

COMMENTS:

TABLE II

TEST : 8TPT 717 (LA-62)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 5-30-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	S_{SP}	S_R	S_e	S_a		0.6	0.7	0.8	0.9	0.92	0.95	0.98	1.12	1.2	
RJ3001	Baseline	A	0°	25°	0°	-20°	0°											9
02						-15°						32						8
03						-10°			51	44	37	31	26	22	18	14	7	
04						- 5°			50	43	36	30				13	6	
05						-2.5°			52	45	38							
06						0°			47	40	33	27	23	19	15	10	3	
07						2.5°			53	46	39							
08						5°			48	41	34	28	24	20	16	11	4	
09						10°	↓		49	42	35	29	25	21	17	12	5	
10						-20°	2°		94		88						60	
11						-15°			95								59	
12						-10°			96	93	87	82	74	61	73	68	58	
13						- 5°			97		86	81			72		57	
14						0°			99	92	85	80	75	62	71	67	56	
15						5°			100	91	84	79	76	63	70	66	55	
16						10°			101	90	83	78	77	64	69	65	54	
17						10°	↓			89								
↓ 18	↓	↓	↓	↓	↓	-10°	10°		106			110					111	

α OR β
SCHEDULES

$\alpha(A) = -4, -2, -1, 0, 1, 2, 3, 4, 5, 6, 8, 9,$
 $10, 11, 12, 13, 14, 15, 18, 20$

TEST RUN NUMBERS

α OR β
SCHEDULES

$\alpha(A) = -4, -2, -1, 0, 1, 2, 3, 4, 5, 6, 8, 9,$
 $10, 11, 12, 13, 14, 15, 18, 20$

AJ3001 thru 057 BETA CY CYN CBL CLM CPI CP2 Q(CPSF) ELVN-L ELVN-R MACH(1DV) ALPHA(2DV)
RJ3001 thru 057 CN CA CLM CL CD L/D ELVN-L ELVN-R MACH(1DV) ALPHA(2DV)

TABLE II (Continued)

TEST : 8'TPT 717 (LA-62)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 5-30-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	S_{SB}	S_R	S_e	S_a		0.6	0.7	0.8	0.9	0.92	0.95	0.98	1.12	1.2	
RJ3019	Baseline	A	0°	25°	0°	-5°	10°		105			109					112	
20						0°			104			108					113	
21						5°	✓		103			107					114	
22						0°	0°		98									
23	✓					✓	✓		102		115							
24	ØMS PØDS ØFF					-10°	0°		132		130		128	126			124	
25	✓		✓			0°			131		129		127	125			123	
26	Baseline		2°			-20°											140	
27						-15°						162					139	
28						-10°			172	165	143	161	154	153	148	147	138	
29						-5°			171	174	175	160	176	177	178		137	
30						-2.5°			170									
31						0°			166	163	141	159	155	151	149	145	134	
32						2.5°			169									
33						5°			168			158					136	
34						10°			167	164	142	157	156	152	150	146	135	
35						0°	✓		173		144							
✓ 36	✓	✓	✓	✓	✓	-20°	2°		223								185	

α OR β

SCHEDULES

TEST RUN NUMBERS

α OR β
SCHEDULES

TABLE II (Continued)

TEST : 81 TPT 717 (LA-62)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 5-30-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	SsB	SR	Se	Sa		0.35	0.6	0.7	0.8	0.9	0.92	0.95	0.98	1.12	1.2
RJ3037	Baseline	A	2°	25°	0°	-15°	2°			222								184
38						-10°				221	216	212	207	202	198	194	189	183
39						-5°				220		211	206			193		182
40						0°				219	215	210	205	201	197	192	188	181
41						5°				218	214	209	204	200	196	191	187	180
42	↓					10°	✓			217	213	208	203	199	195	190	186	179
43	ØMS PØDS ØFF					-10°	0°			233		229		225	227			231
44	↓		✓	✓		0°				232		228		224	226			230
45	Base line		0°	55°		-15°										247		239
46						-10°	✓									244		237
47						✓	2°									246		238
48						-5°	0°									243		236
49						0°							250	249	248	242	240	235
50				✓	✓	5°							251			241		234
51				25°	-10°	-15°				267			262					257
52						-10°				266			261			253		256
53					✓	0°				265	264	263	260	259	258	252	254	255
✓ 54	✓	✓	✓	✓	0°	✓	✓		272	268								

α OR β

SCHEDULES

TEST RUN NUMBERS

α OR β
SCHEDULES

TABLE II (Continued)

TEST: 8' TPT 717 (LA-62)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 5-30-75							
DATA SET IDENTIFIER	CONFIGURATION	S _L	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
			α	β	S _{SB}	S _R	S _e	S _a		0.6	0.7	0.8	0.9	0.92	0.95	0.98	1.12	1.2	
RJ3055	Baseline		A	0°	25°	0°	0°	0°		271									
56								10° 2°		269									
57			↓					↓ ↓		270									
58		B	0°					0° Var							292				
59			3°					-10°				284	288						
60			4°					0° ↓		274									
61			↓					Var 0°					116						
62			6°					↓ ↓					117						
63			7°					↓ ↓					291					300	
64								-10° Var					289						
65								0°					290						296
66								5°					122						295
67			↓					10° ↓											297
68			8°					Var 0°					118						
69			10°					-10° Var				285							
70								0°							293				
71								10° ↓			282	286							
↓ 72	↓	↓	↓	↓	↓	↓	↓	Var 0°			281	287	119		294				

TEST RUN NUMBERS

TEST RUN NUMBERS

 α OR β
SCHEDULES $S_e(B) = -6, -4, -2, -1, -0.5, 0, 0.25,$
 $0.5, 1.0, 2.0, 4.0, 6.0$

AJ3058 thru 082 BETA CY CYN CBL CLM CPl CP2 QCP5F) ELVN-R ALPHA MACH(1IDV) ELVN-L (2IDV)
 RJ3058 thru 082 CN CA CLM CL CD L/D ELVN-R ALPHA MACH(1IDV) ELVN-L (2IDV)

TABLE II (Concluded)

[illegible]

*REVISED 4/24/74

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B₂₅

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been
refaired to accept W

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

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

DIMENSIONS	FULL SCALE	MODEL SCALE
*Length (OML: Fwd Sta. X ₀ =235)-In.	1293.3	19.400
*Length (IML: Fwd Sta. X ₀ =238)-In.	1290.3	19.355
* Max Width (@ X = 1528.3) - In.	264.0	3.960
Max Depth (@ X ₀ = 1464) - In.	250.0	3.750
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional	340.88	0.077
Planform		
Wetted		
Base		

*REVISED 4/24/74

TABLE III. - MODEL DIMENSIONAL DATA- Continued.

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A, Canopy used with Fuselage

B₂₆

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

DRAWING NUMBER VL70-000143A & B

DIMENSIONS :	FULL SCALE	MODEL SCALE
*Length ($X_0 = 434.643$ to 578)	<u>143.357</u>	<u>2.150</u>
Max Width (@ $X_0 = .513.127$)	<u>152.412</u>	<u>2.286</u>
Max Depth (@ $X_0 = 485.0$)	<u>25.000</u>	<u>0.375</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: SLOTTED ELEVON (6-INCH GAP) - E₄₃

GENERAL DESCRIPTION: Configuration 140A/B Orbiter elevon.

NOTE: E₄₃ is a slotted version of E₂₆. Data are for one side.

MODEL SCALE: 0.015 Model drawing SS-A00148

DRAWING NUMBER: VL70-000200, VL70-006089, VL006092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>210.0</u>	<u>0.0473</u>
Span (equivalent) - In.	<u>349.2</u>	<u>5.238</u>
Inb'd equivalent chord In.	<u>118.004</u>	<u>1.770</u>
Outb'd equivalent chord In.	<u>55.192</u>	<u>0.828</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Product of Area and $\bar{c}$) - Ft ³	<u>1587.25</u>	<u>0.00536</u>
Mean Aerodynamic Chord ($\bar{c}$), in.	<u>90.7</u>	<u>1.3605</u>

TABLE III. - MODEL DIMENSIONAL DATA- Continued.

MODEL COMPONENT : BODY FLAP - Fg

GENERAL DESCRIPTION : Configuration 140A/B Orbiter Body Flap.

Hingeline located at $X_o = 1528.3$, $Z_o = 284.3$

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

DRAWING NUMBER : VL7-000140A, VL70-000145

DIMENSIONS :

	FULL SCALE	MODEL SCALE
Length ($X_o=1520$ TO $X_o=1613$) - In.	<u>93.000</u>	<u>1.395</u>
Max Width (In.)	<u>262.00</u>	<u>3.930</u>
Max Depth ($X_o = 1520$) - In.	<u>23.000</u>	<u>0.345</u>
Fineness Ratio	<u></u>	<u></u>
Area - Ft ²	<u></u>	<u></u>
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u>150.525</u>	<u>0.0339</u>
Wetted	<u></u>	<u></u>
Base	<u>41.84722</u>	<u>0.00941</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: OMS Pod (M16)

GENERAL DESCRIPTION: Configuration 140D Orbiter OMS-Pod

Model Scale = 0.015,

Model Drawing No: SS-A00147

DRAWING NUMBER

VL70-000140D

VL70-008410

DIMENSION:

FULL SCALE

MODEL SCALE

Length (OMS Fwd Sta $X_0=1310.5$)-In.

258.5

3.878

Max Width (@ $X_0 = 1511$)-In.

136.8

2.052

Max Depth (@ $X_0 = 1511$)-In.

74.7

1.121

Fineness Ratio

2.484

22.484

Area - FT^2

Max Cross-Sectional

58.864

0.0132

Planform

Wetted

Base

TABLE III. - MODEL DIMENSIONAL DATA-Continued

MODEL COMPONENT: OMS NOZZLES - N₂₈

GENERAL DESCRIPTION: Configuration 140A/B Orbiter OMS Nozzles

MODEL SCALE: 0.015 MODEL DRAWING: SS-000147 RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000145, (Location)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - ft ²		
Exit		
Throat		
Gimbal Point (Station) - In.		
Left Nozzle		
X _o	<u>1518.0</u>	<u>22.770</u>
Y _o	<u>- 88.0</u>	<u>- 1.320</u>
Z _o	<u>492.0</u>	<u>7.380</u>
Right Nozzle		
X	<u>1518.0</u>	<u>22.770</u>
Y	<u>+ 88.0</u>	<u>+ 1.320</u>
Z	<u>492.0</u>	<u>7.380</u>
Null Position - Deg.		
Left Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>
Right Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>

*REVISED 4/24/74

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: 2A, 3, 3A and 140A/B Configurations

MODEL SCALE: 0.015 Model drawing SS-A00148

DRAWING NUMBER: VL70-000146A, VL70-000095, VL70-000139.

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
*Area- Ft ²	<u>100.15</u>	<u>0.0225</u>
Span (equivalent) - In	<u>201.0</u>	<u>3.015</u>
Inb'd equivalent chord - In.	<u>91.585</u>	<u>1.3738</u>
Outb'd equivalent chord - In.	<u>50.833</u>	<u>0.7625</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
* Area Moment (Product of area & $\bar{c}$)-Ft ³	<u>610.92</u>	<u>0.002</u>
*Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>1.098</u>

*REVISED 4/24/74

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: VERTICAL - V8

GENERAL DESCRIPTION: Configuration 140A/B Orbiter Vertical Tail

MODEL SCALE: 0.015

MODEL DRAWING: SS-A00148, RELEASE 6

DRAWING NUMBER: VL70-000146A

DIMENSIONS:

FULL SCALE

MODEL SCALE

TOTAL DATA

Area (Theo) - Ft²
Planform
Span (Theo) - In.
Aspect Ratio
Rate of Taper
Taper Ratio
Sweep-Back Angles, Degrees.
Leading Edge
* Trailing Edge
0.25 Element Line

<u>413.253</u>	<u>0.093</u>
<u>315.720</u>	<u>4.736</u>
<u>1.675</u>	<u>1.675</u>
<u>0.507</u>	<u>0.507</u>
<u>0.404</u>	<u>0.404</u>
<u>45.000</u>	<u>45.000</u>
<u>26.2</u>	<u>26.2</u>
<u>41.130</u>	<u>41.130</u>

Chords:

Root (Theo) WP
Tip (Theo) WP
MAC
Fus. Sta. of .25 MAC
W.P. of .25 MAC
B.L. of .25 MAC

<u>268.500</u>	<u>4.028</u>
<u>108.470</u>	<u>1.627</u>
<u>199.808</u>	<u>2.997</u>
<u>1463.50</u>	<u>21.953</u>
<u>635.522</u>	<u>9.533</u>
<u>0.00</u>	<u>0.00</u>

Airfoil Section

Leading Wedge Angle - Deg.
Trailing Wedge Angle - Deg.
Leading Edge Radius

<u>10.00</u>	<u>10.00</u>
<u>14.920</u>	<u>14.920</u>
<u>2.00</u>	<u>0.030</u>

Void Area

<u>13.17</u>	<u>0.003</u>
--------------	--------------

Blanketed Area

<u>0.00</u>	<u>0.00</u>
-------------	-------------

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*REVISED 4/24/74

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: WING-W

GENERAL DESCRIPTION: Configuration 4

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

MODEL SCALE: 0.015

Model drawing SS-A00148

TEST NO.

DWG. NO. V70-30-906-01 (BCD)

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo.) Ft^2

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Theo) B.P.O.O.

Tip, (Theo) B.P.

MAC

*Fus. Sta. of .25 MAC

*W.P. of .25 MAC

*B.L. of .25 MAC

EXPOSED DATA

* Area (Theo) Ft^2

* Span, (Theo) In. BP108

* Aspect Ratio

Taper Ratio

Chords

* Root BP108

Tip $1.00 \frac{b}{2}$

* MAC

* Fus. Sta. of .25 MAC

* W.P. of .25 MAC

* B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)
XXXX-64

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

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

Data for (1) of (2) Sides

Leading Edge Cuff Ft^2

* Planform Area

* Leading Edge Intersects Fus M. L. @ Sta

* Leading Edge Intersects Wing @ Sta

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Notes:

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

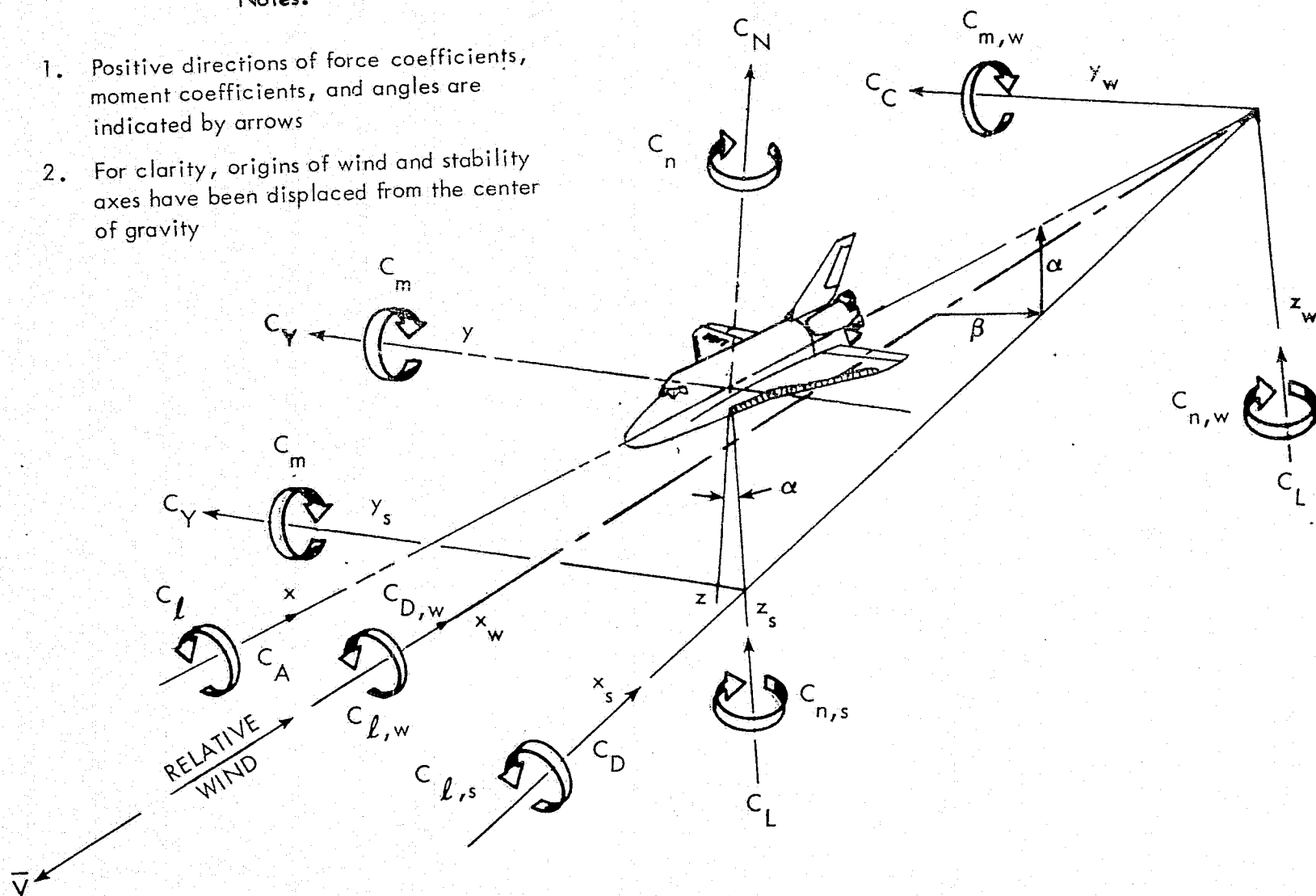
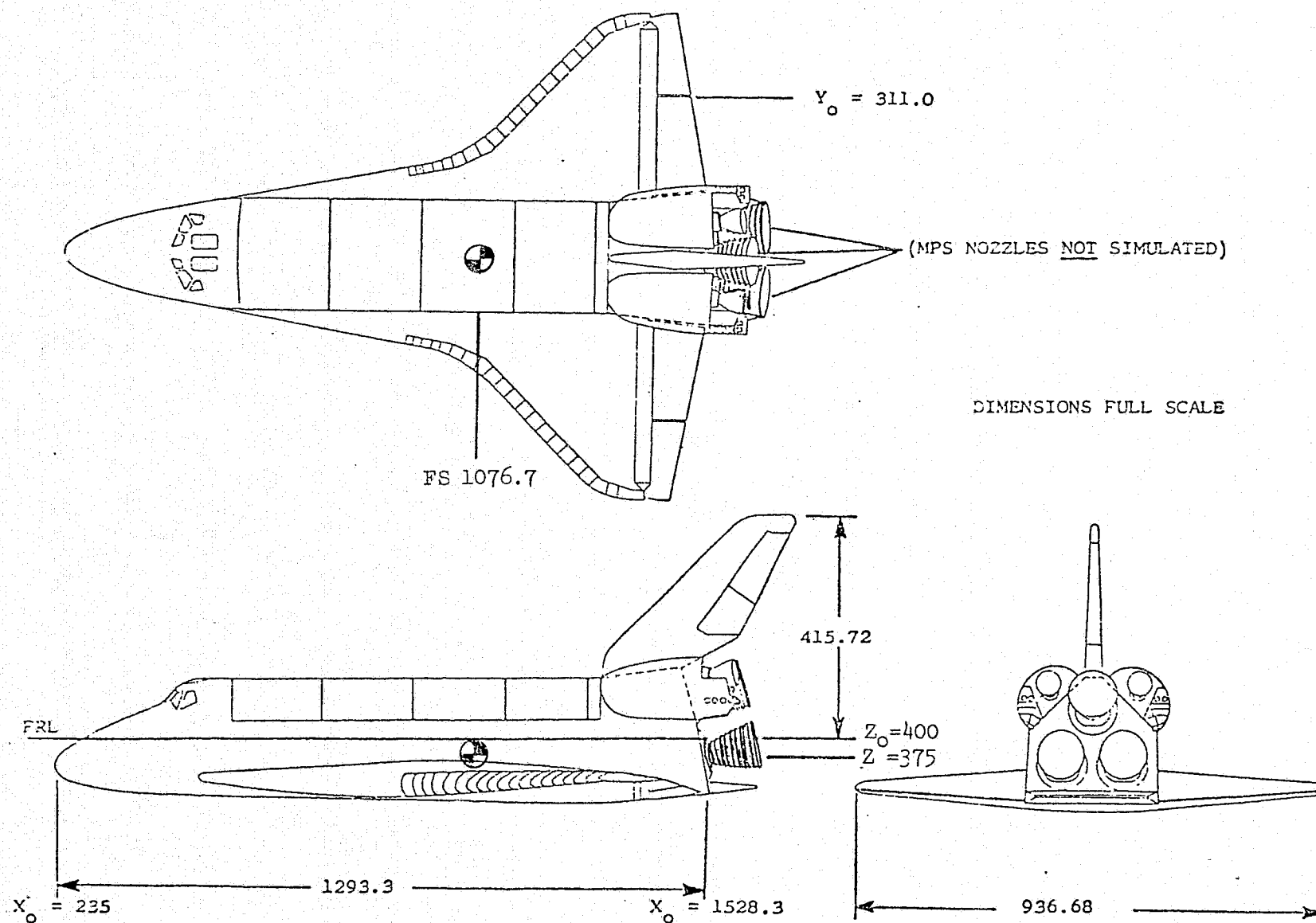
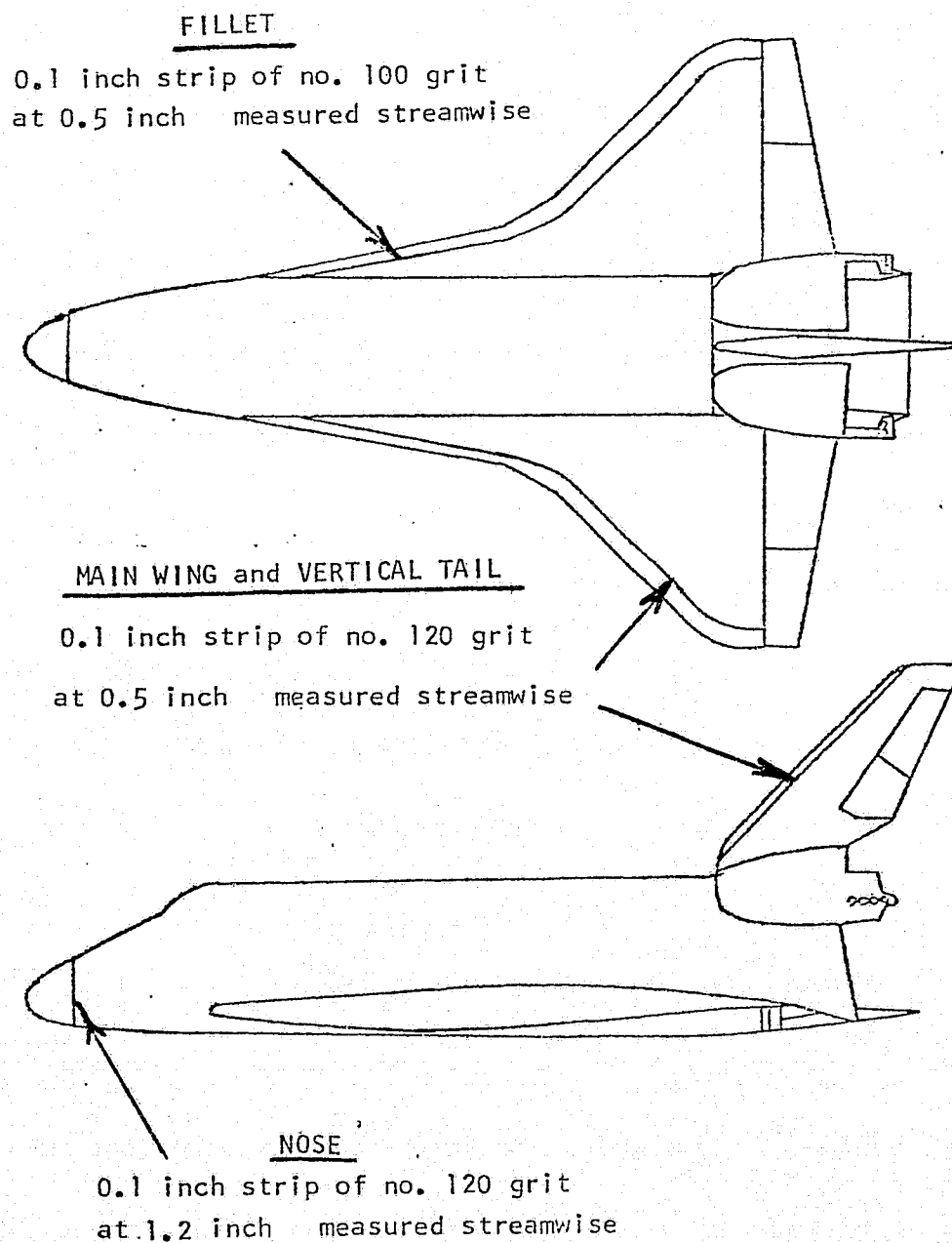


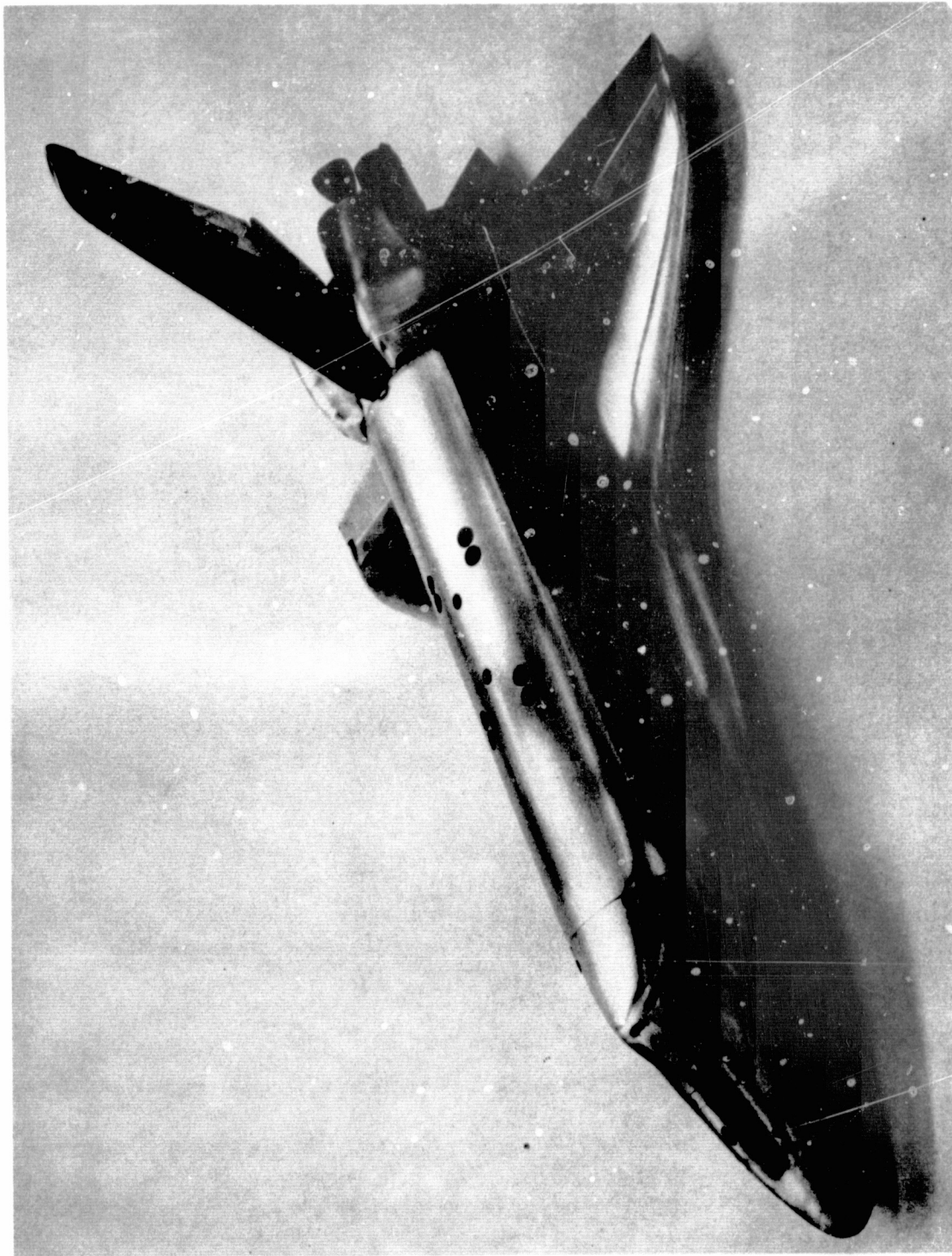
Figure 1. - Axis Systems.



(a) SSV Orbiter Configuration
Figure 2. - Model sketches.

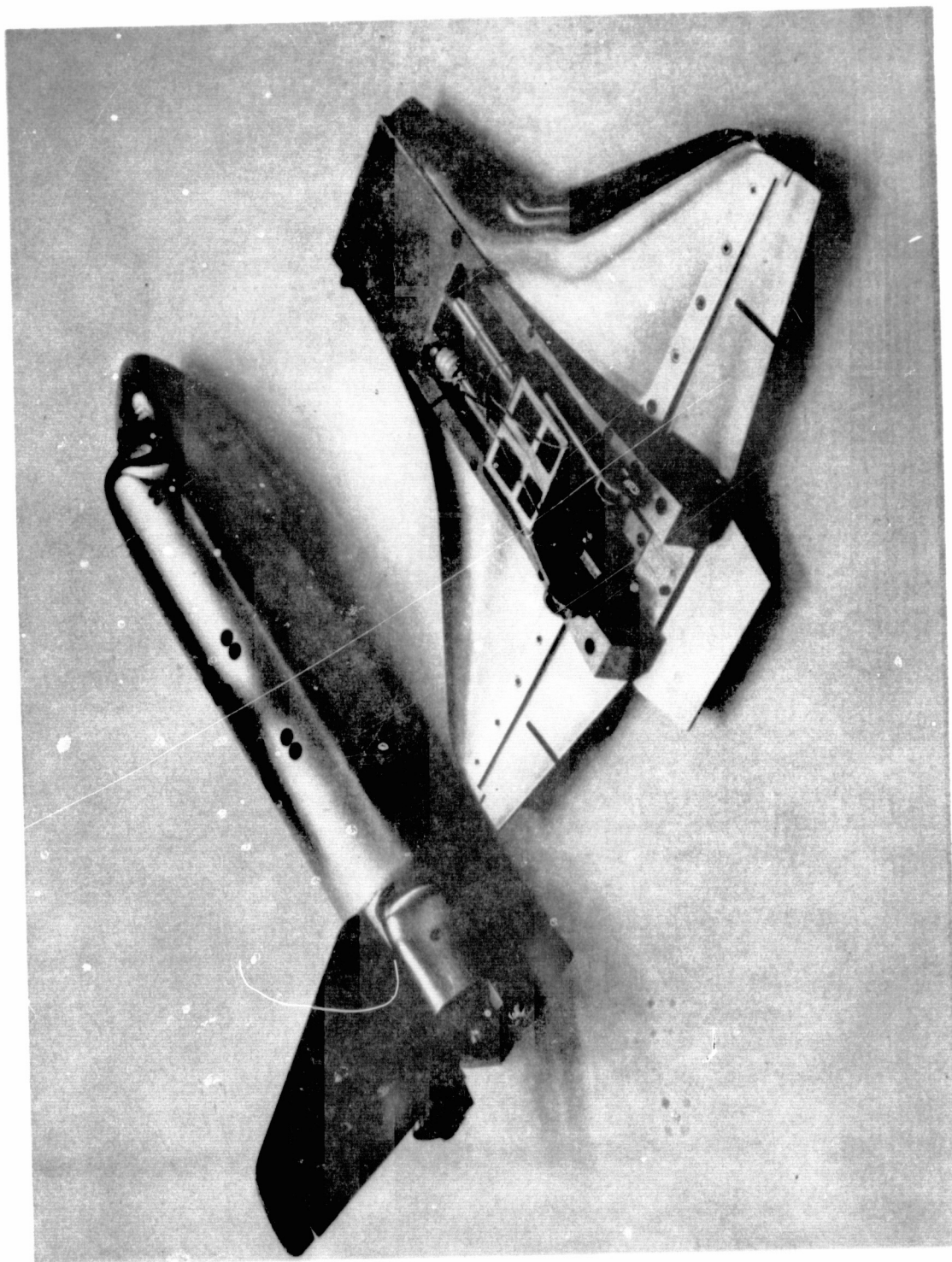


(b) Location of Transition Grit
Figure 2. - Concluded.



(a) Orbiter Configuration, Front, 3/4 View
Figure 3. - Model Photographs

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(b) Orbiter Configuration, Rear, 3/4 View
Figure 3. - Concluded.

DATA FIGURES

LARC 8FT TPT 717(LA-62) 140C ORBITER

(BJ3B06)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	SPDBRK	25.000
○	.921		.000	BDFLAP	.000
□	.950	RUDDER	.000	AILRON	.000
◇	.981	ELEVON	.000		
△	1.119				
▽	1.200				

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

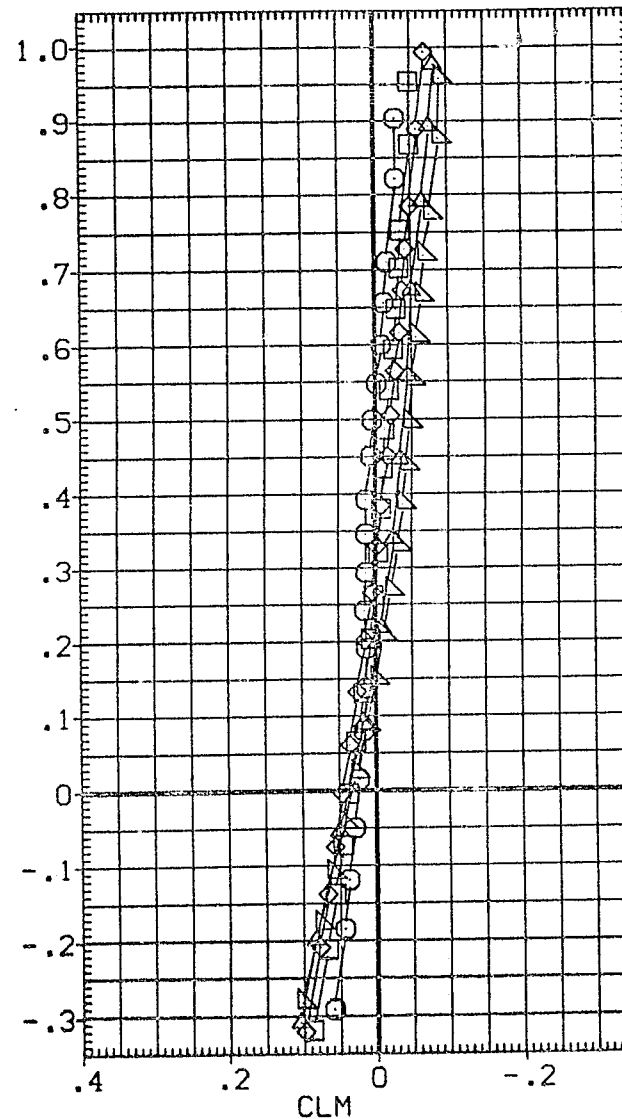
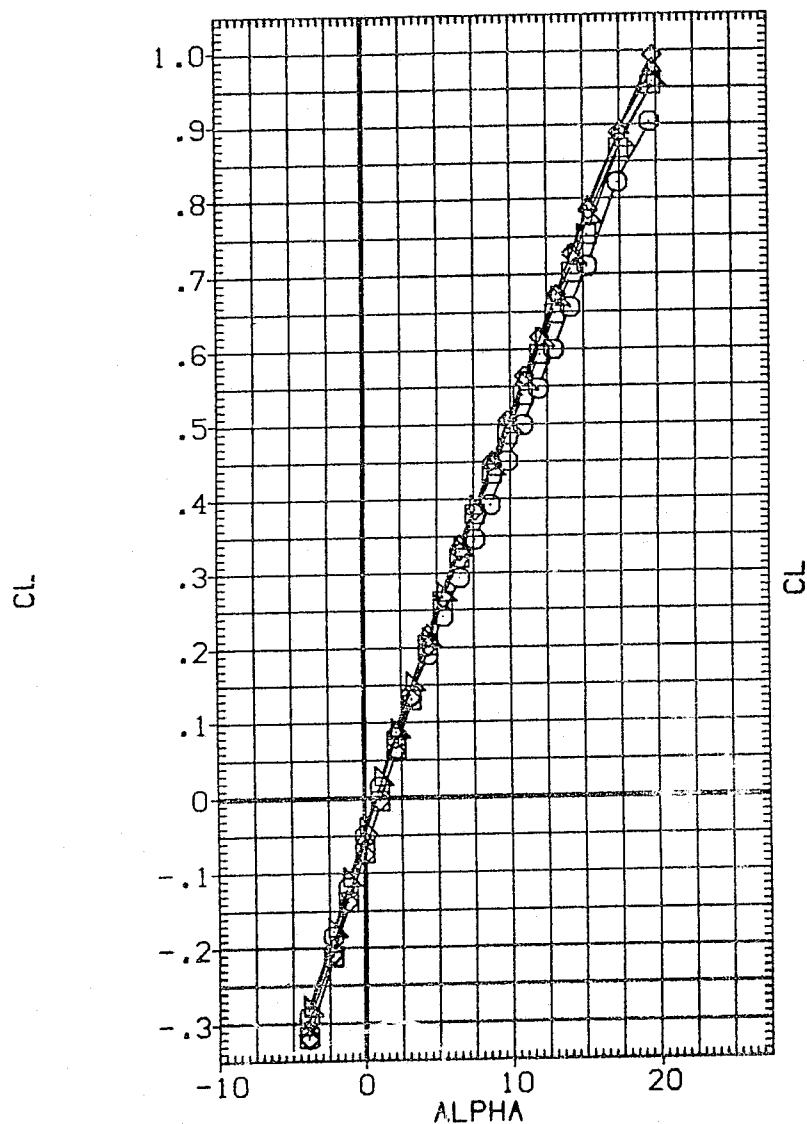


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(BJ3B06)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	SPDBRK	25.000
○	.921		.000	BDFLAP	.000
□	.950	RUDDER	.000	AIRON	.000
◇	.981	ELEVON	.000		
△	1.119				
▽	1.200				

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

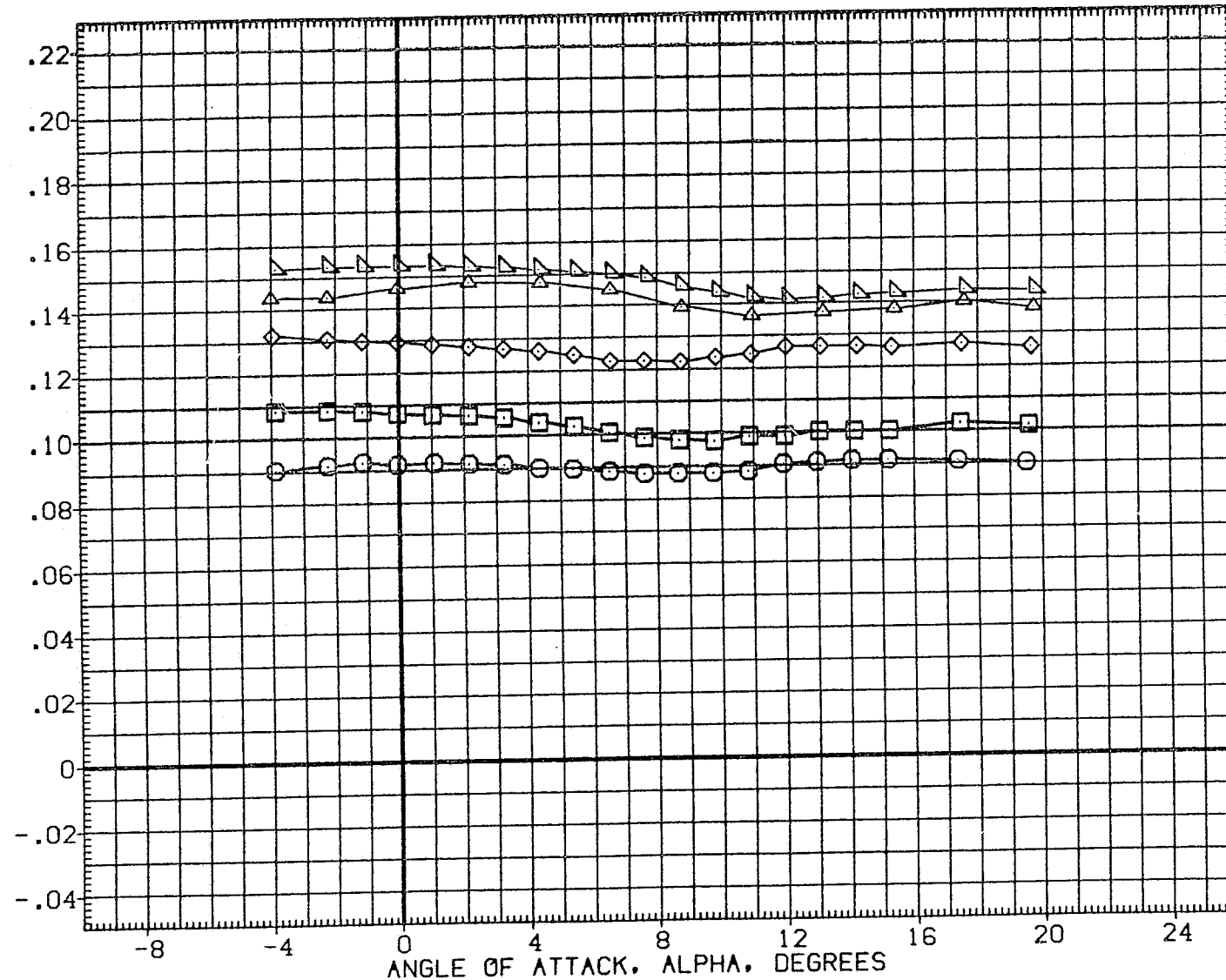


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(BJ3B06)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	SPDBRK	25.000
○	.921		.000		
□	.950	RUDDER	.000	BDFLAP	.000
◇	.981	ELEVON	.000	AILRON	.000
△	1.119				
▽	1.200				

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

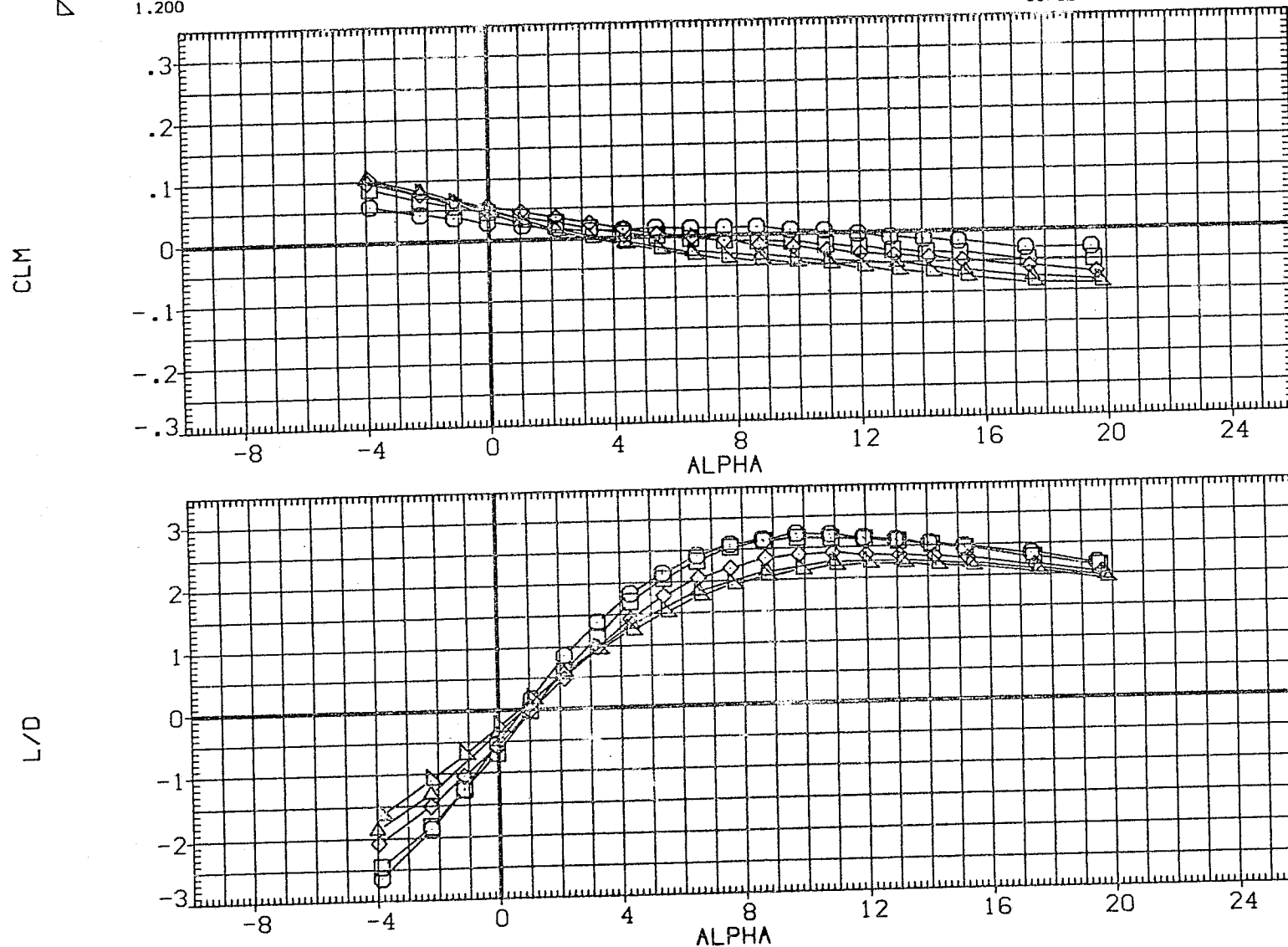


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.921	BETA	.000	SPDBRK	25.000
□	.950	RUDDER	.000	BDFLAP	.000
◇	.981	ELEVON	.000	AILRON	.000
△	1.119				
▽	1.200				

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

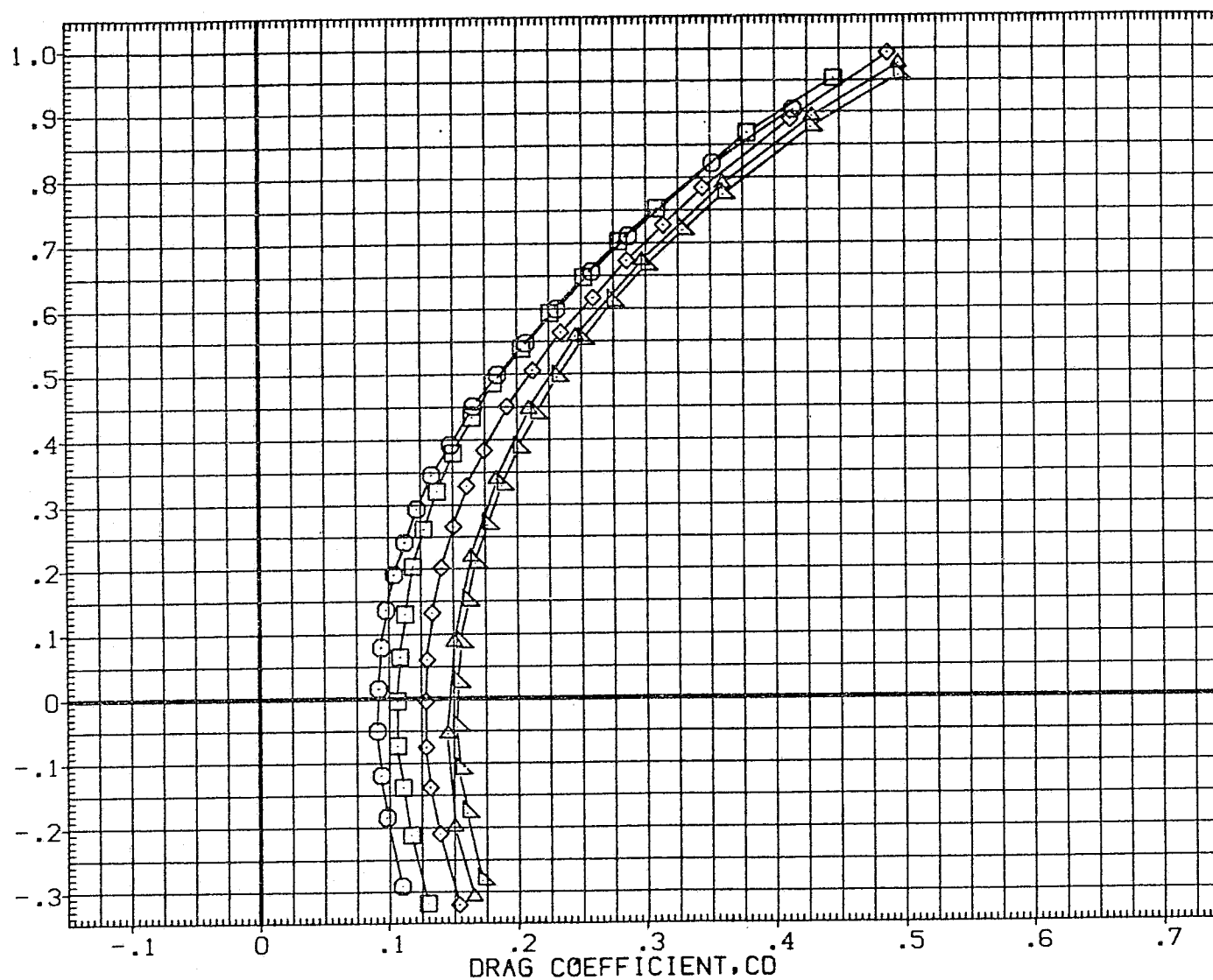


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(BJ3A06)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	SPDBRK	25.000
○	.350		.000		
□	.601	RUDDER	.000	BDFLAP	.000
◇	.701	ELEVON	.000	AILRON	.000
△	.799				
▽	.899				
◊	.921				

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

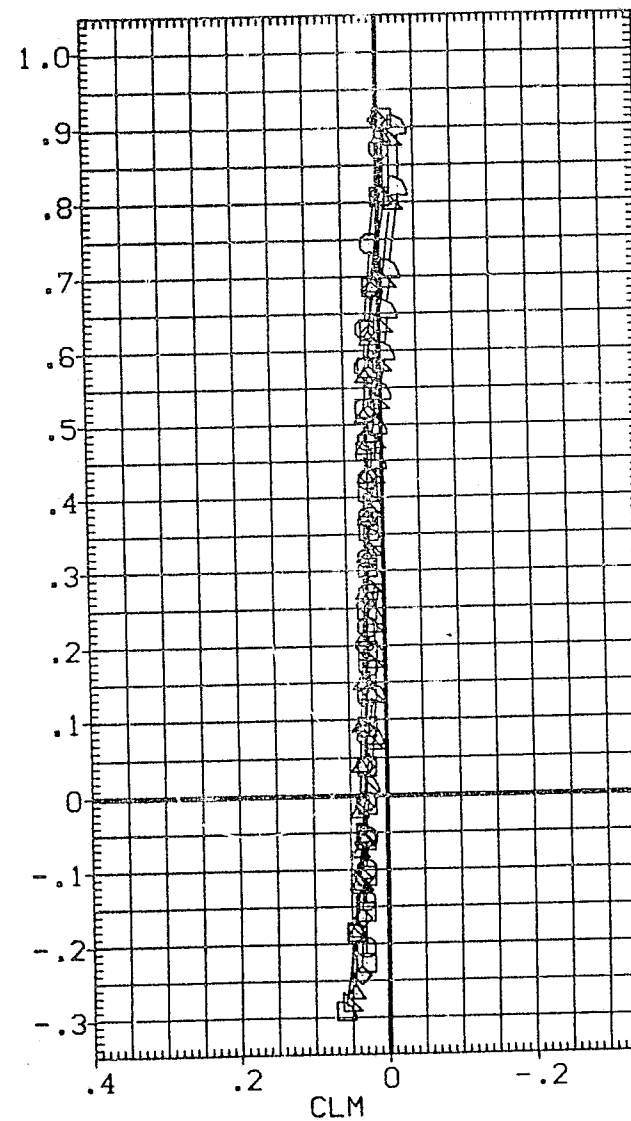
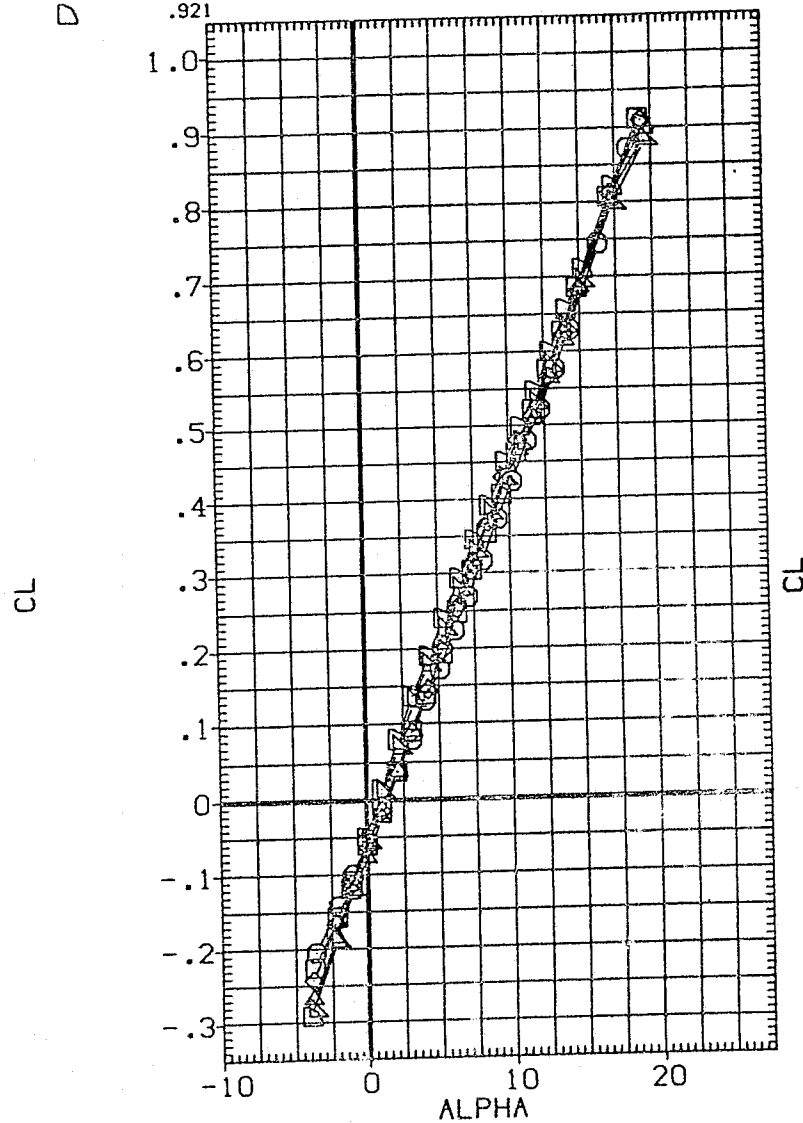


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

SYMBOL

MACH

PARAMETRIC VALUES

25.000

BETA

.000

SPDBRK

RUDDER

.000

BDFLAP

ELEVON

.000

AILRON

.000

REFERENCE INFORMATION

SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

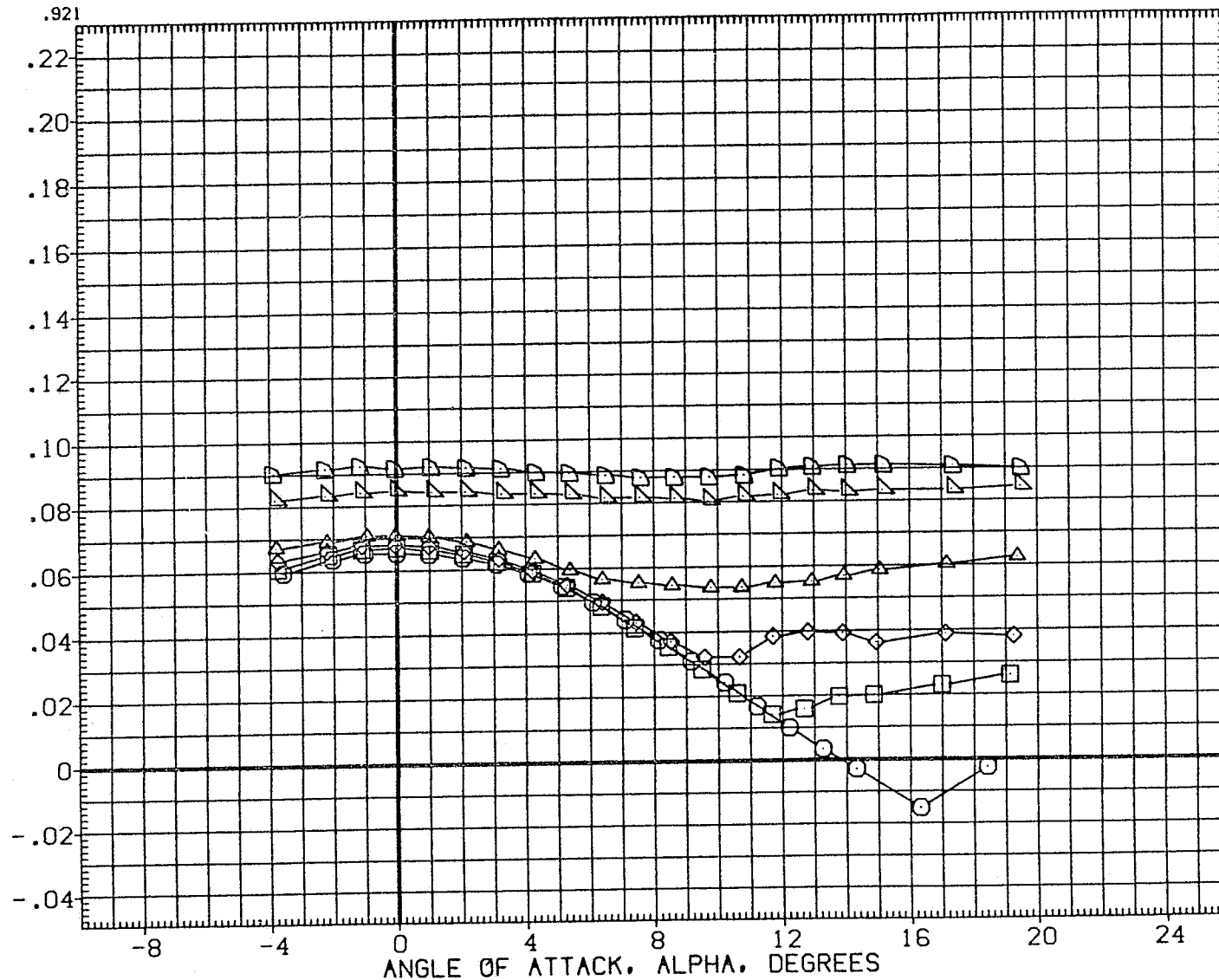
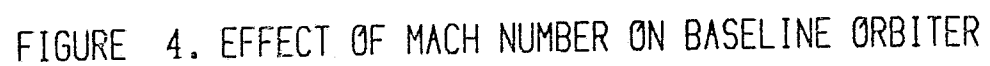


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

(BJ3A06)

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	



SYMBOL	MACH	PARAMETRIC VALUES			
○	.350	BETA	.000	SPOBRK	25.000
□	.601	RUDDER	.000	BDFLAP	.000
◇	.701	ELEVON	.000	AILRON	.000
△	.799				
▽	.899				
◇	.921				

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

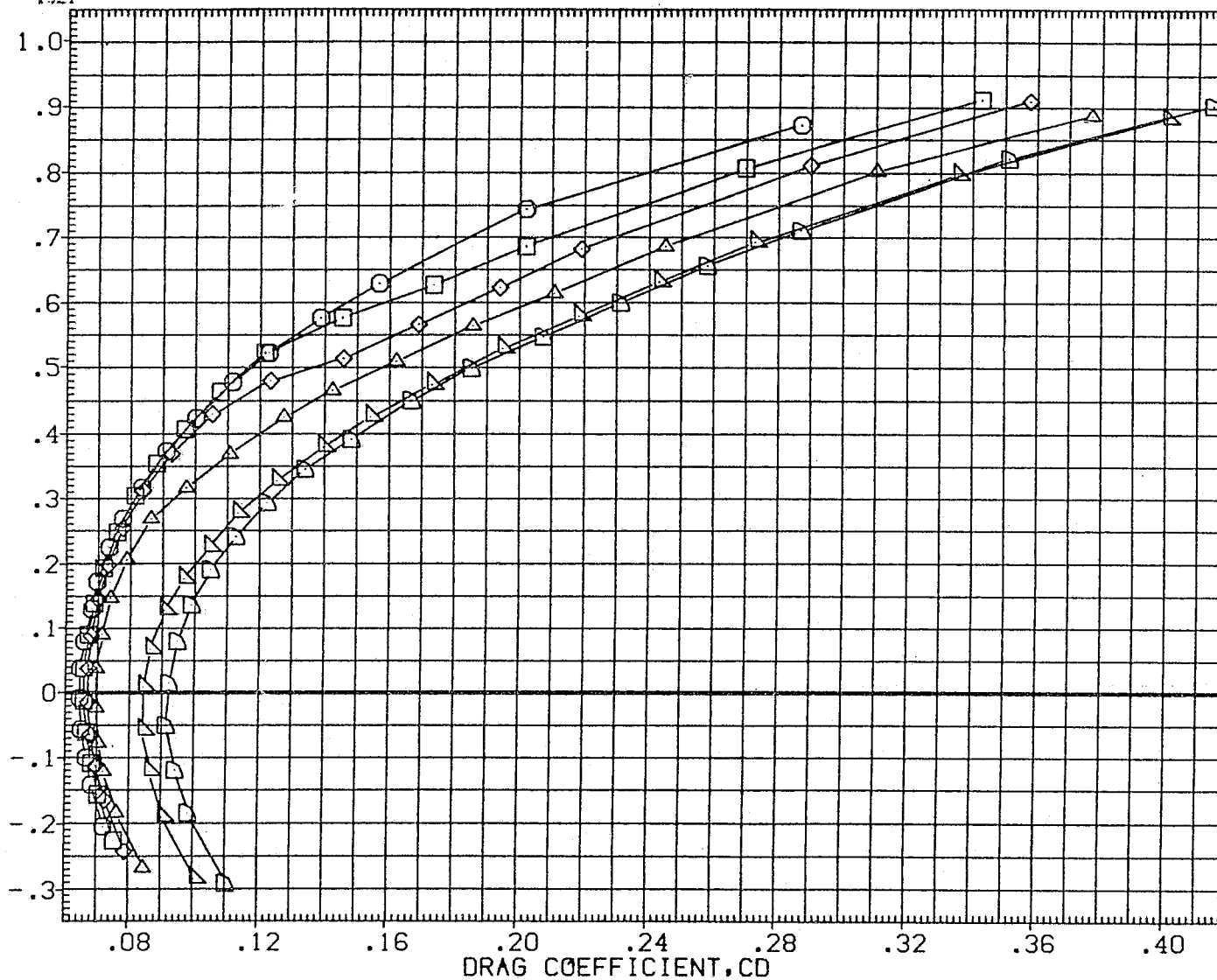


FIGURE 4. EFFECT OF MACH NUMBER ON BASELINE ORBITER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3001)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000
.000	-15.000
.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

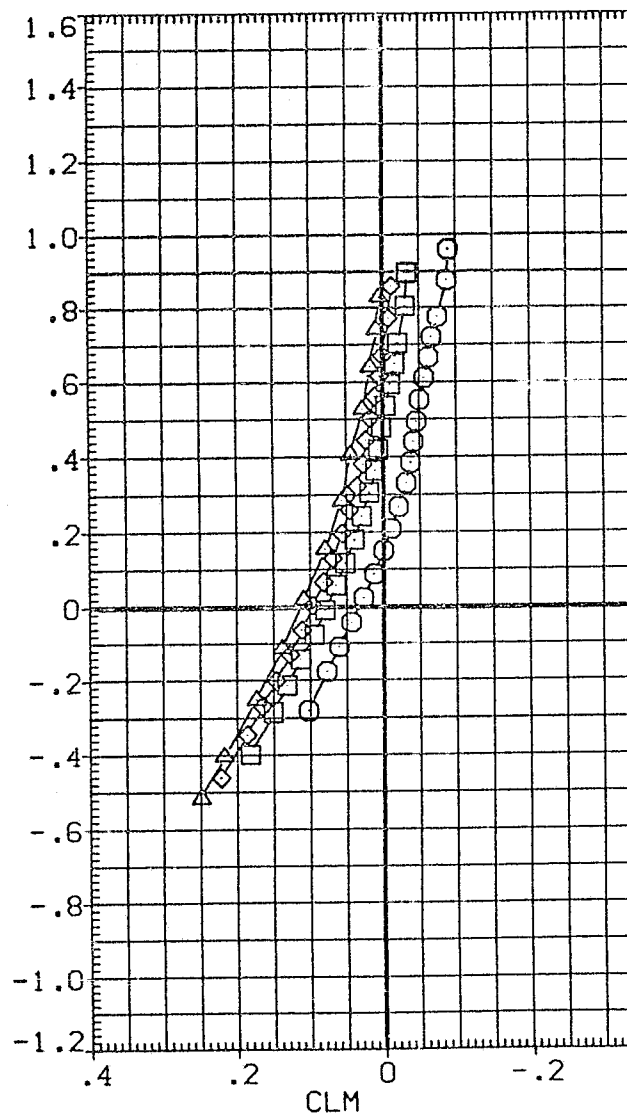
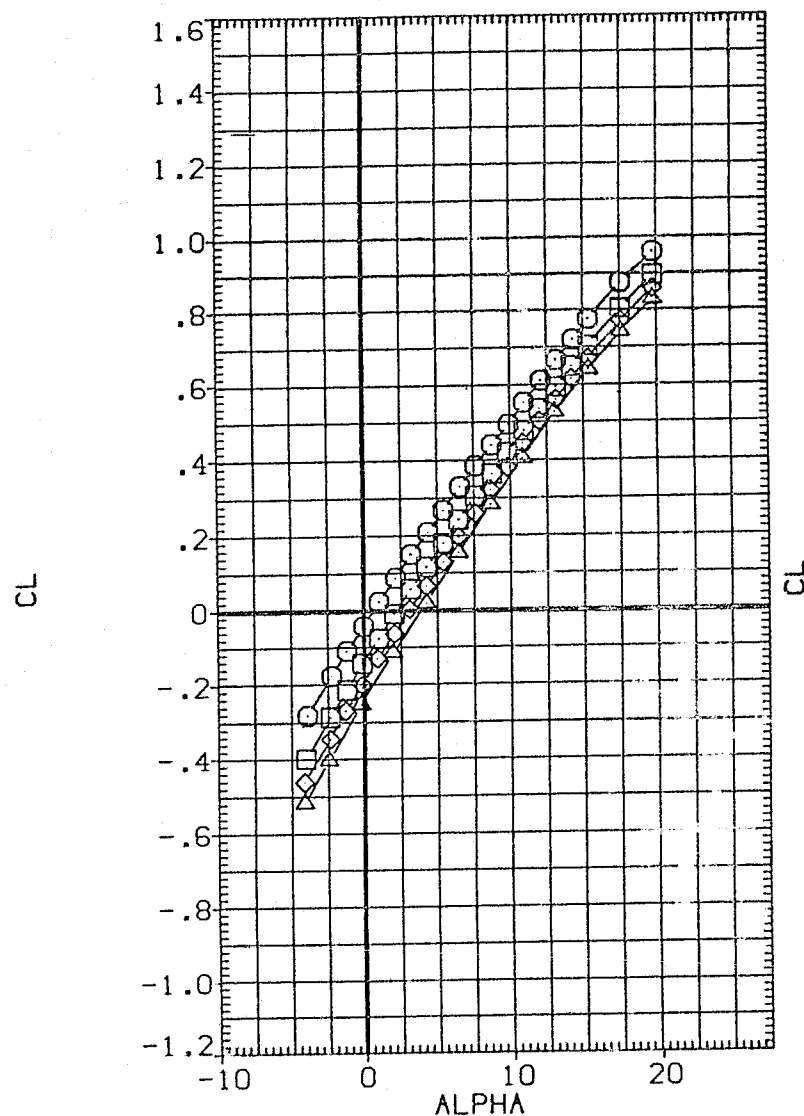


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3001)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000
.000	-15.000
.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

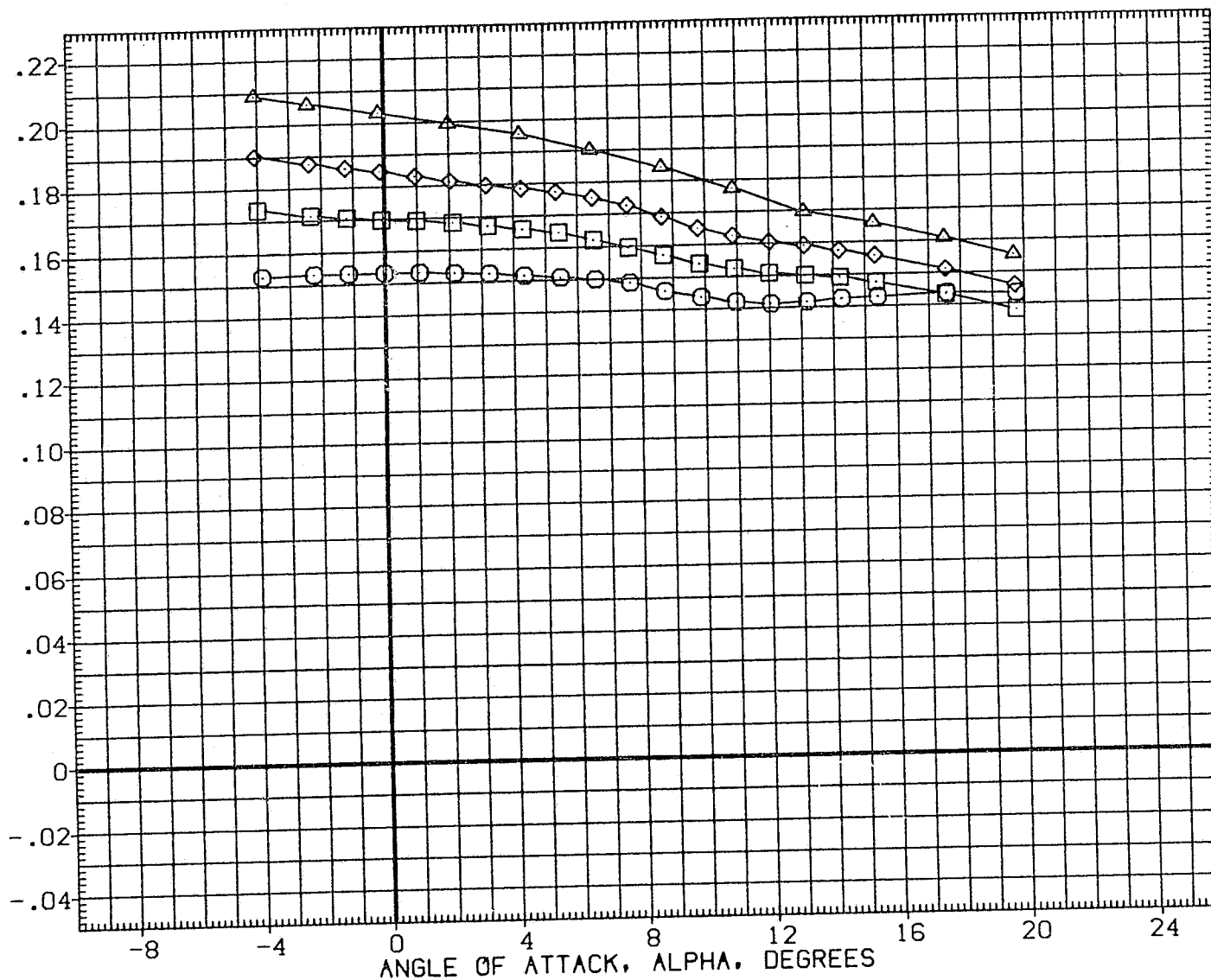


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3001)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000
.000	-15.000
.000	-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

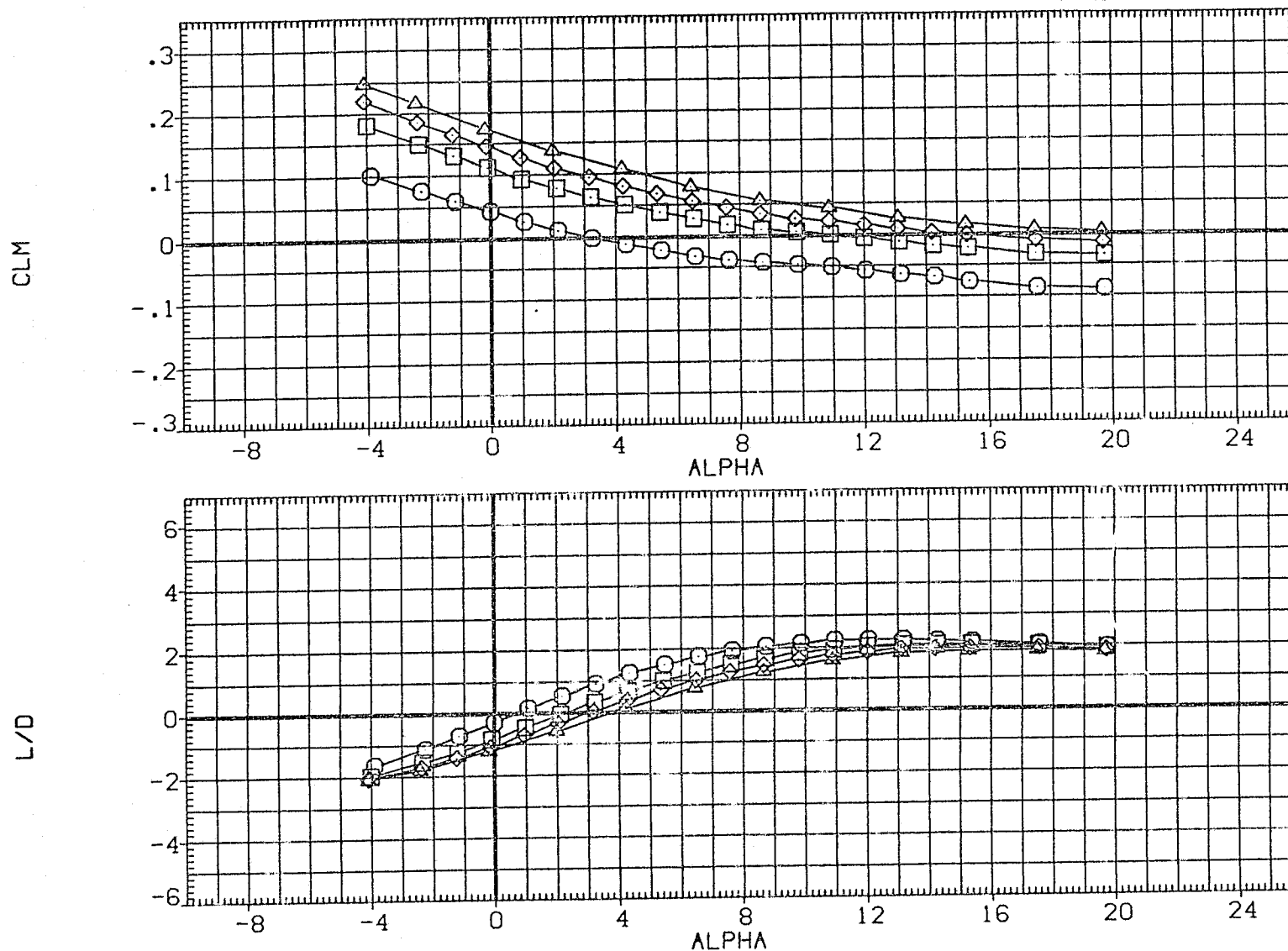


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3001)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000
.000	-15.000
.000	-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

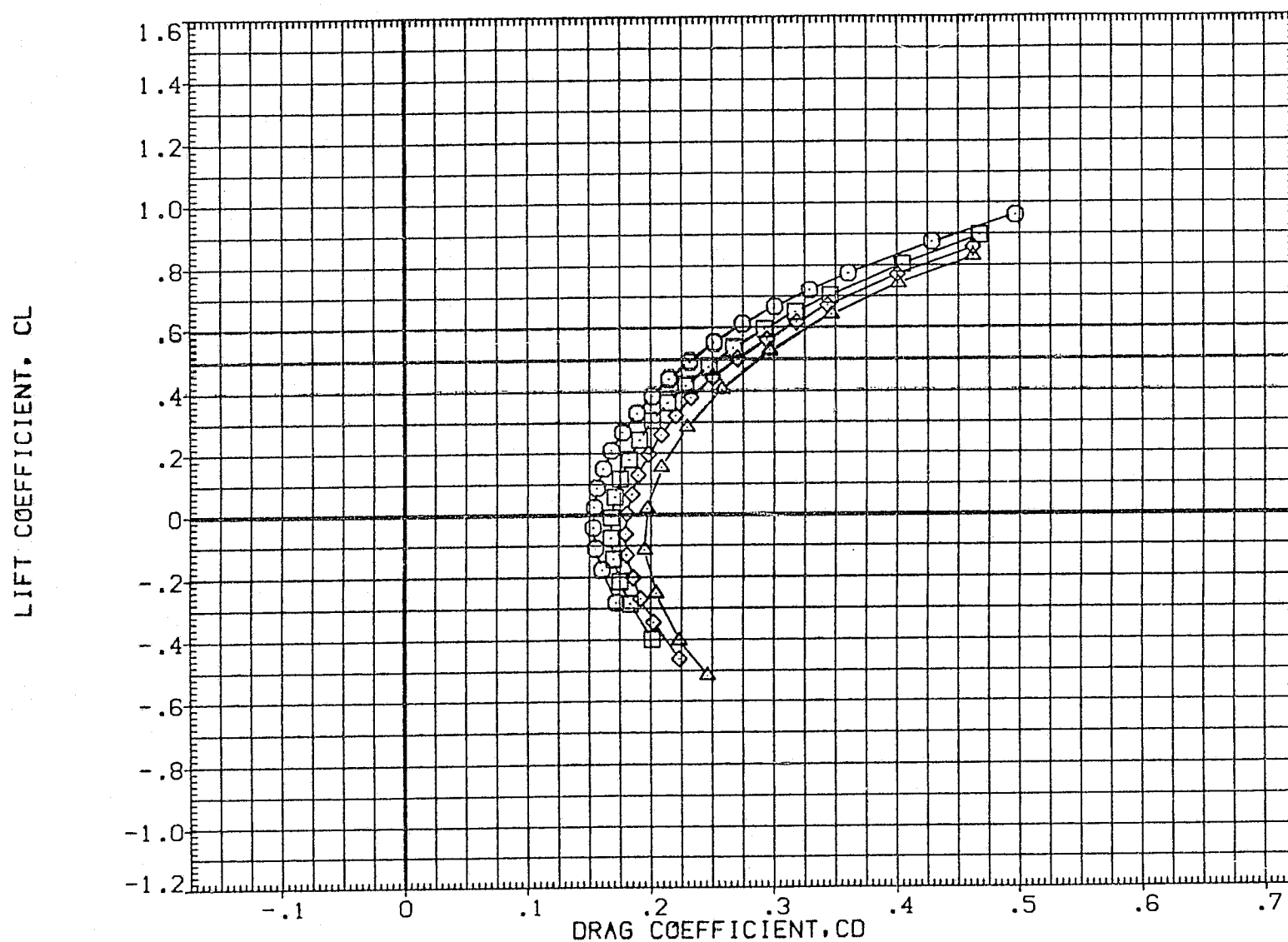


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

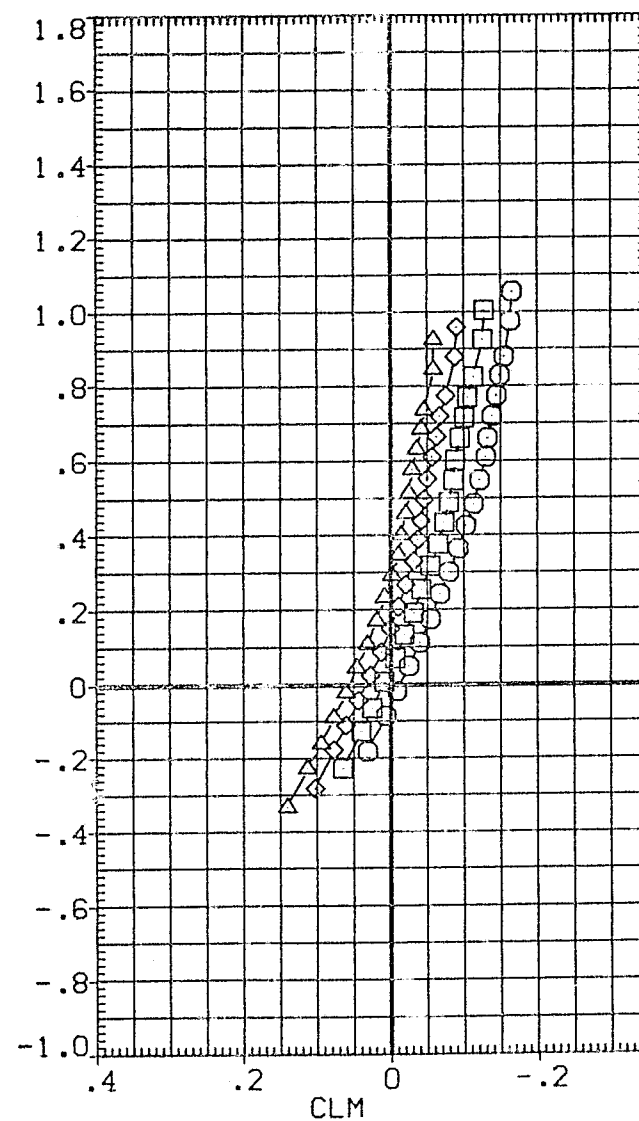
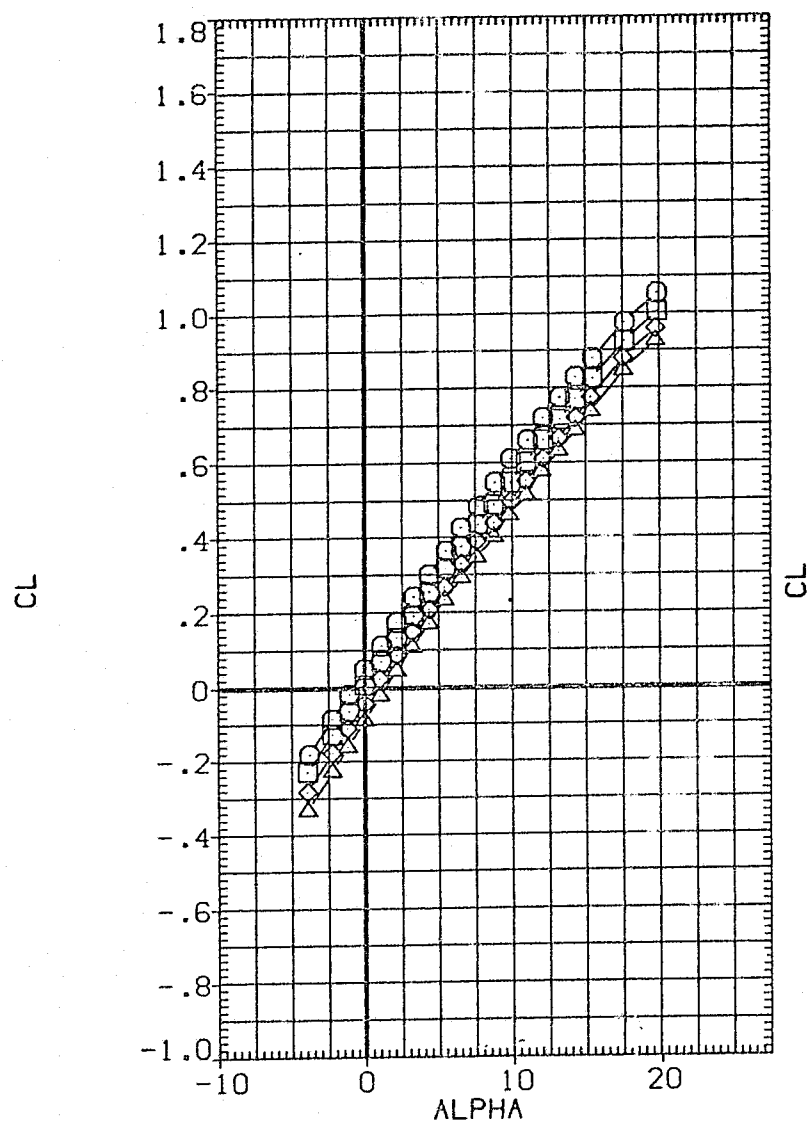


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

AXIAL FORCE COEFFICIENT, CA

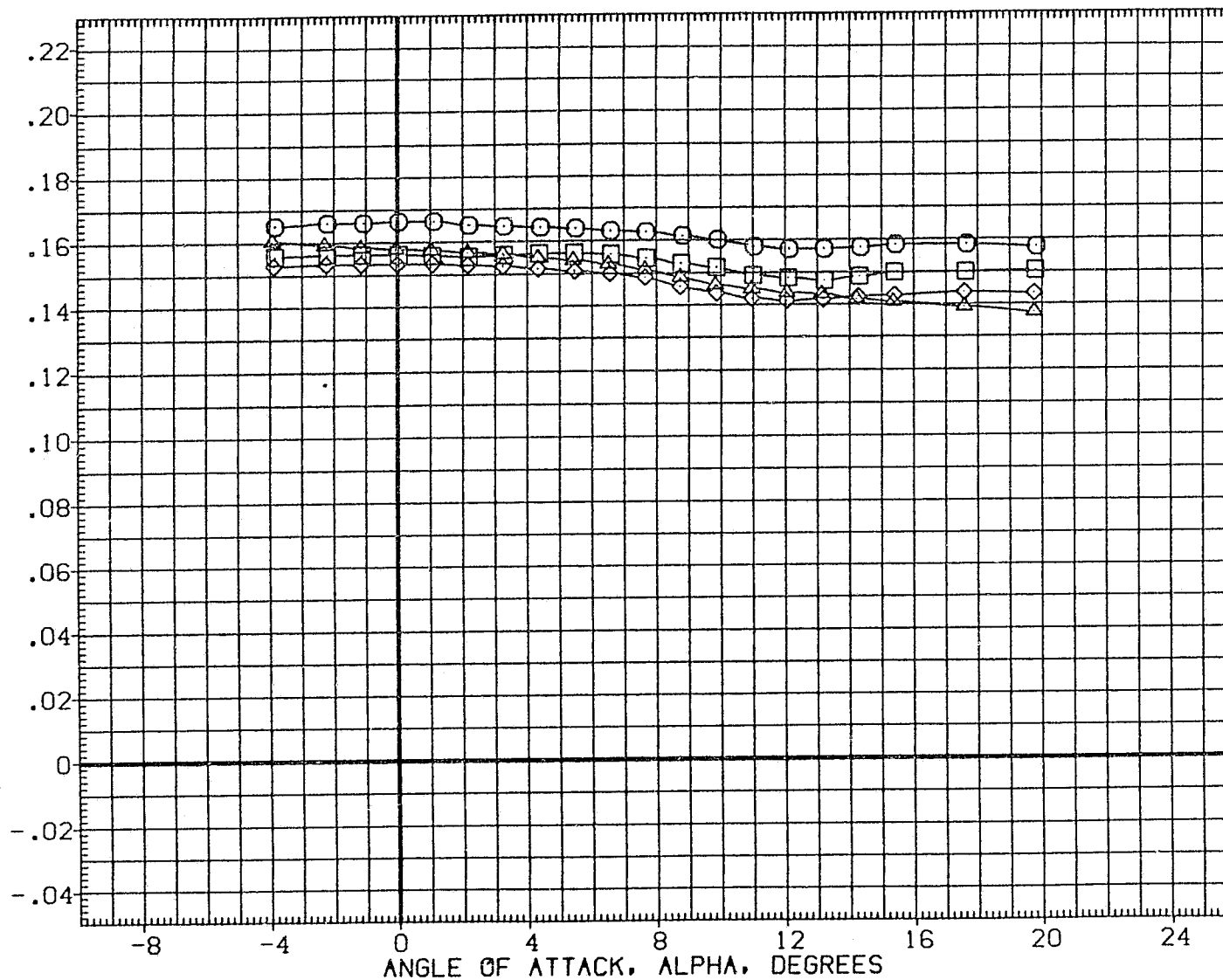


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMPP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

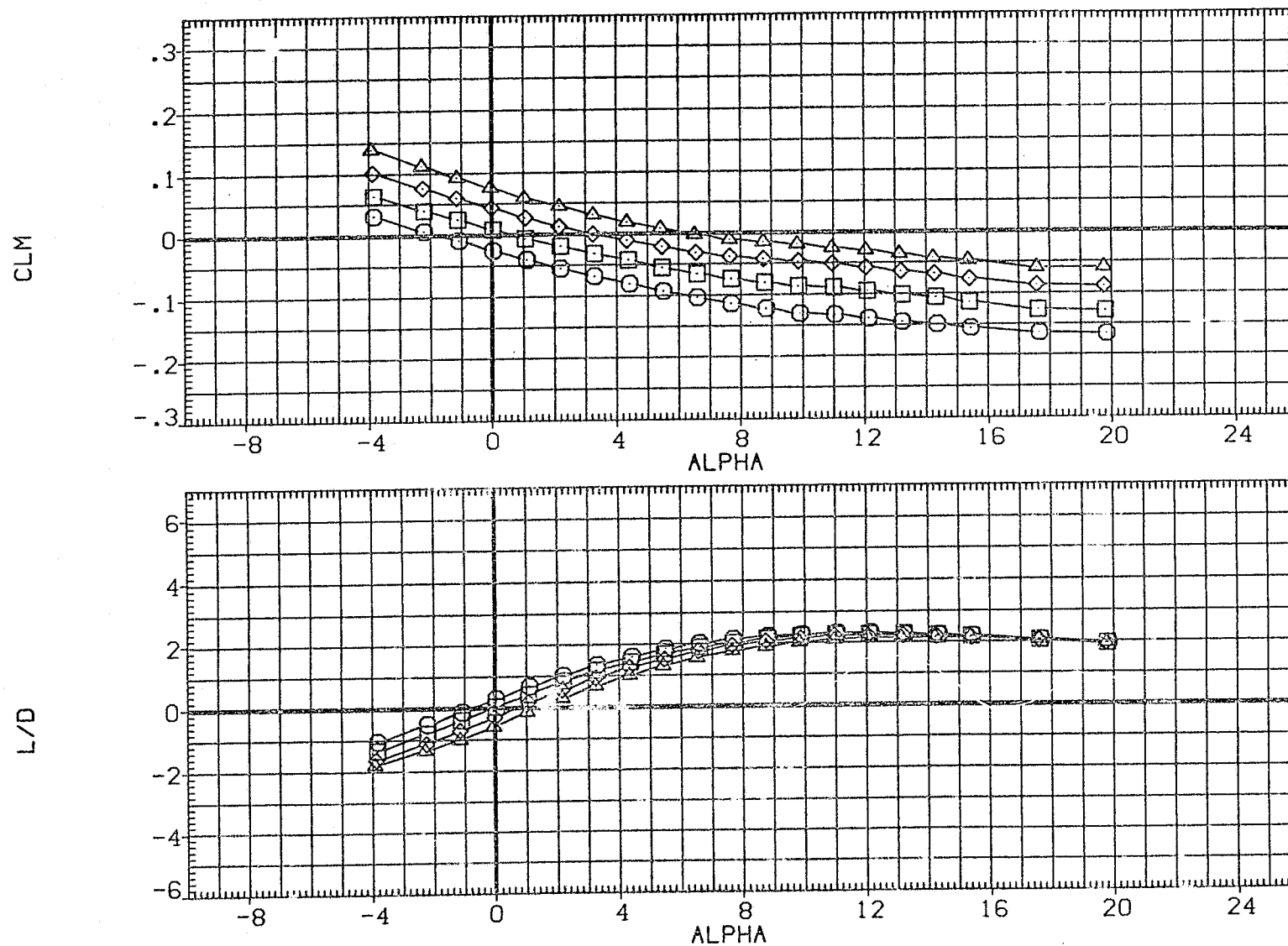


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	IN. X0
XMRP	1076.7000	IN. Y0
YMRP	.0000	IN. Z0
ZMRP	375.0000	
SCALE	.0150	

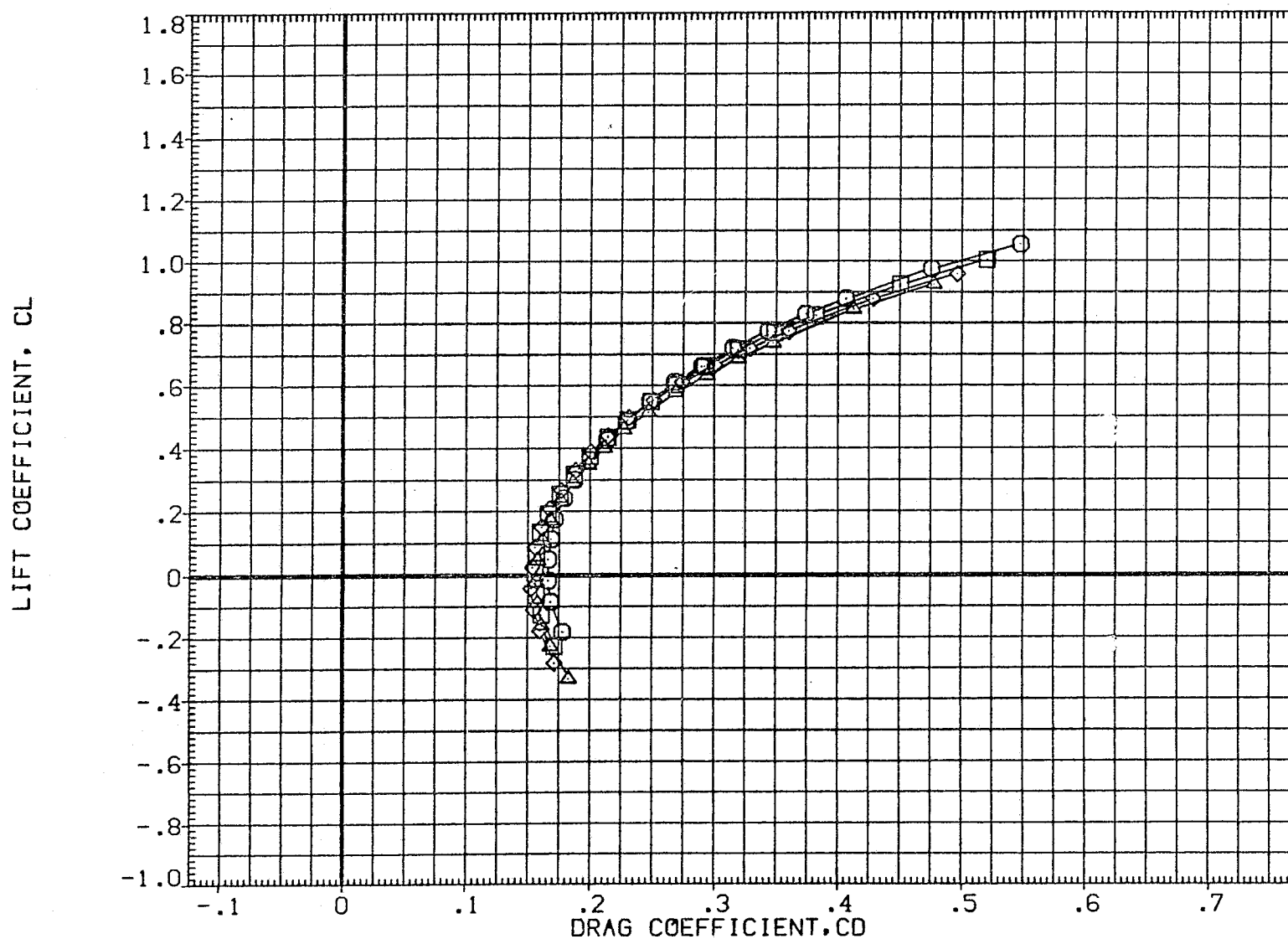


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3009)	○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	▽	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON ELEVON

.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
YMRP	1076.7000	IN. X0
XMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

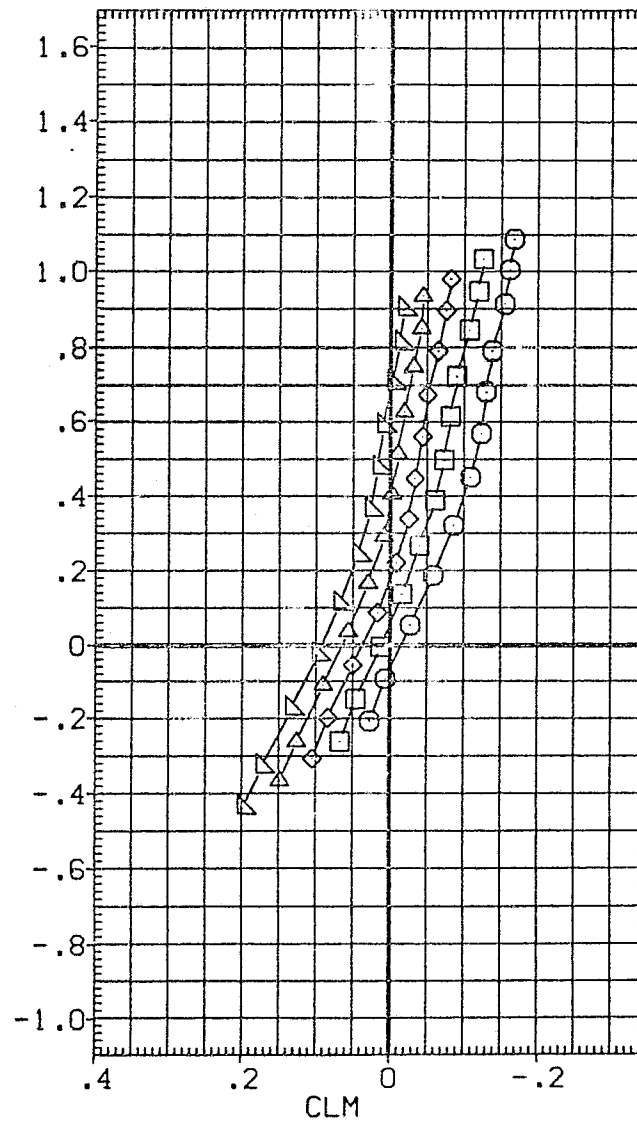
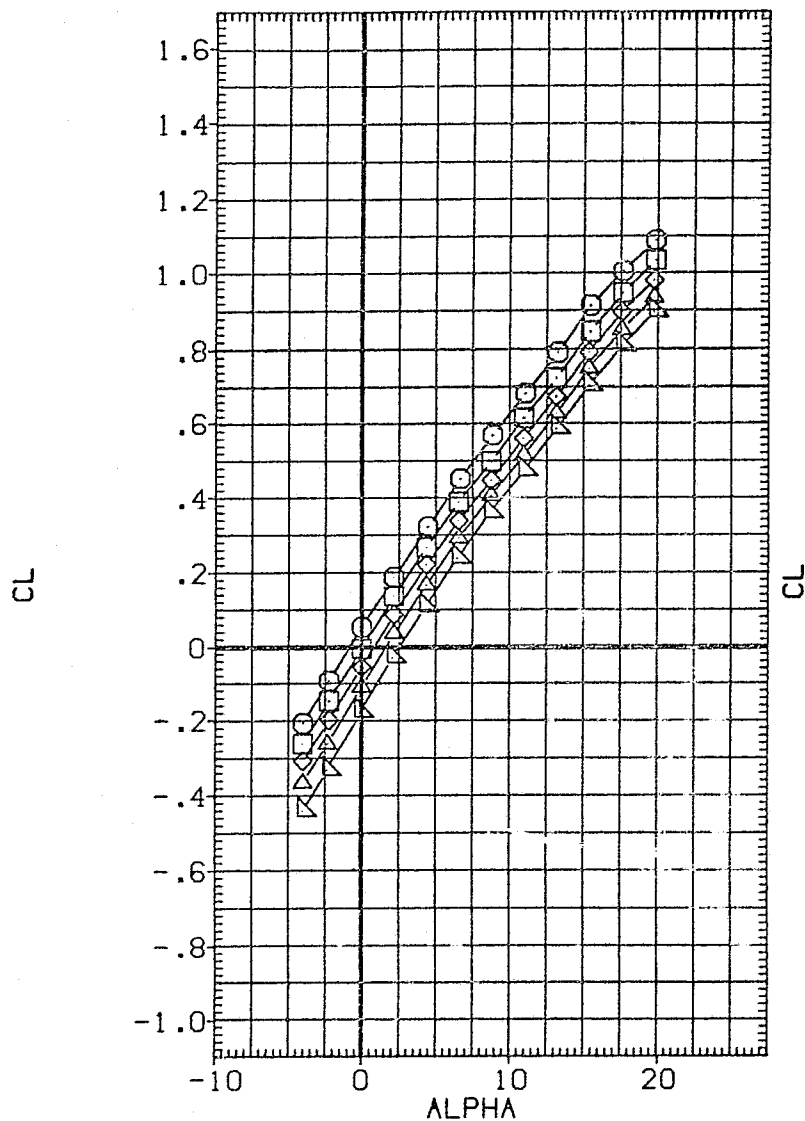


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000

REFERENCE INFORMATION	
BREF	2880.0000 80.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1078.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN.Z0
SCALE	.0150

AXIAL FORCE COEFFICIENT, CA

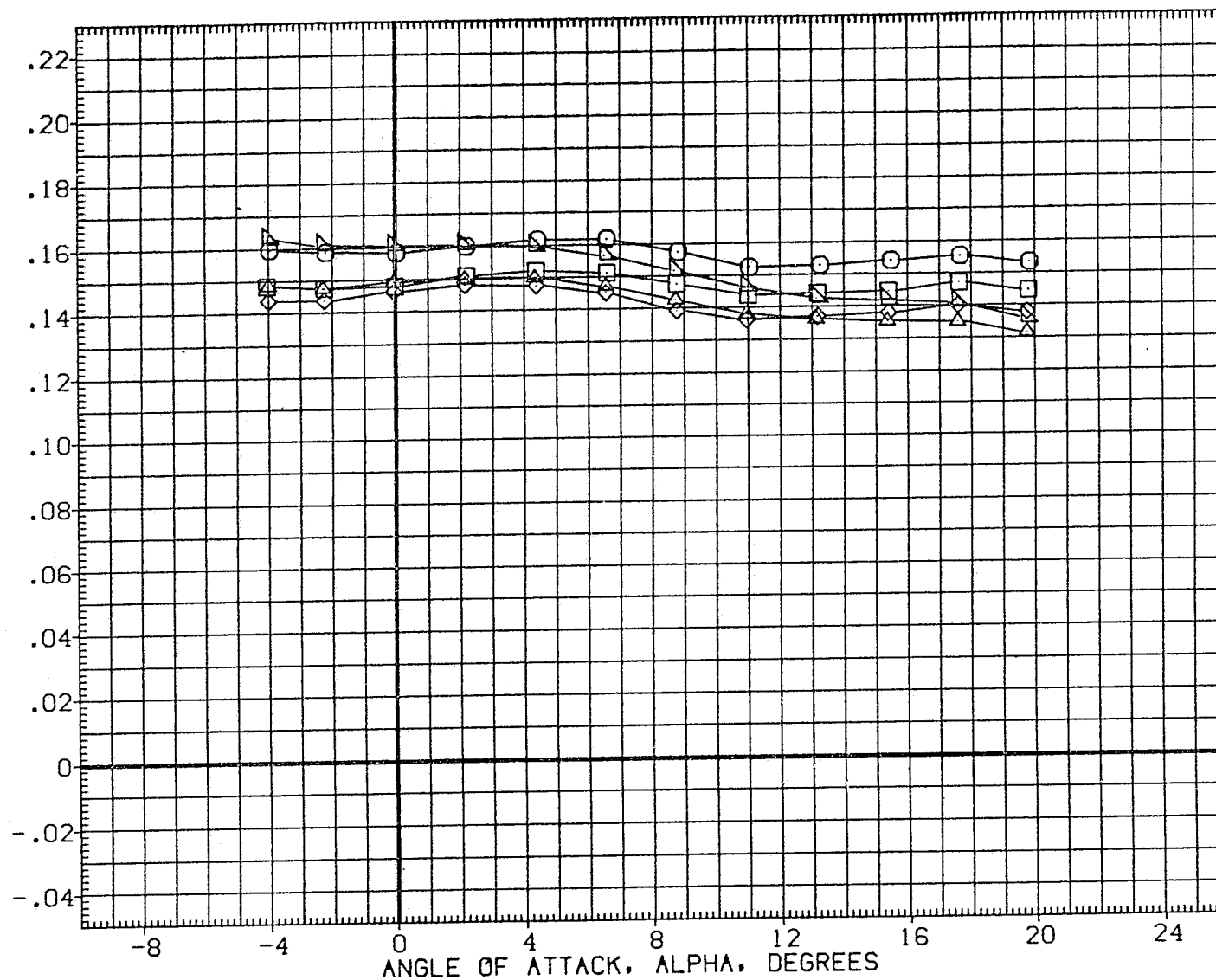


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

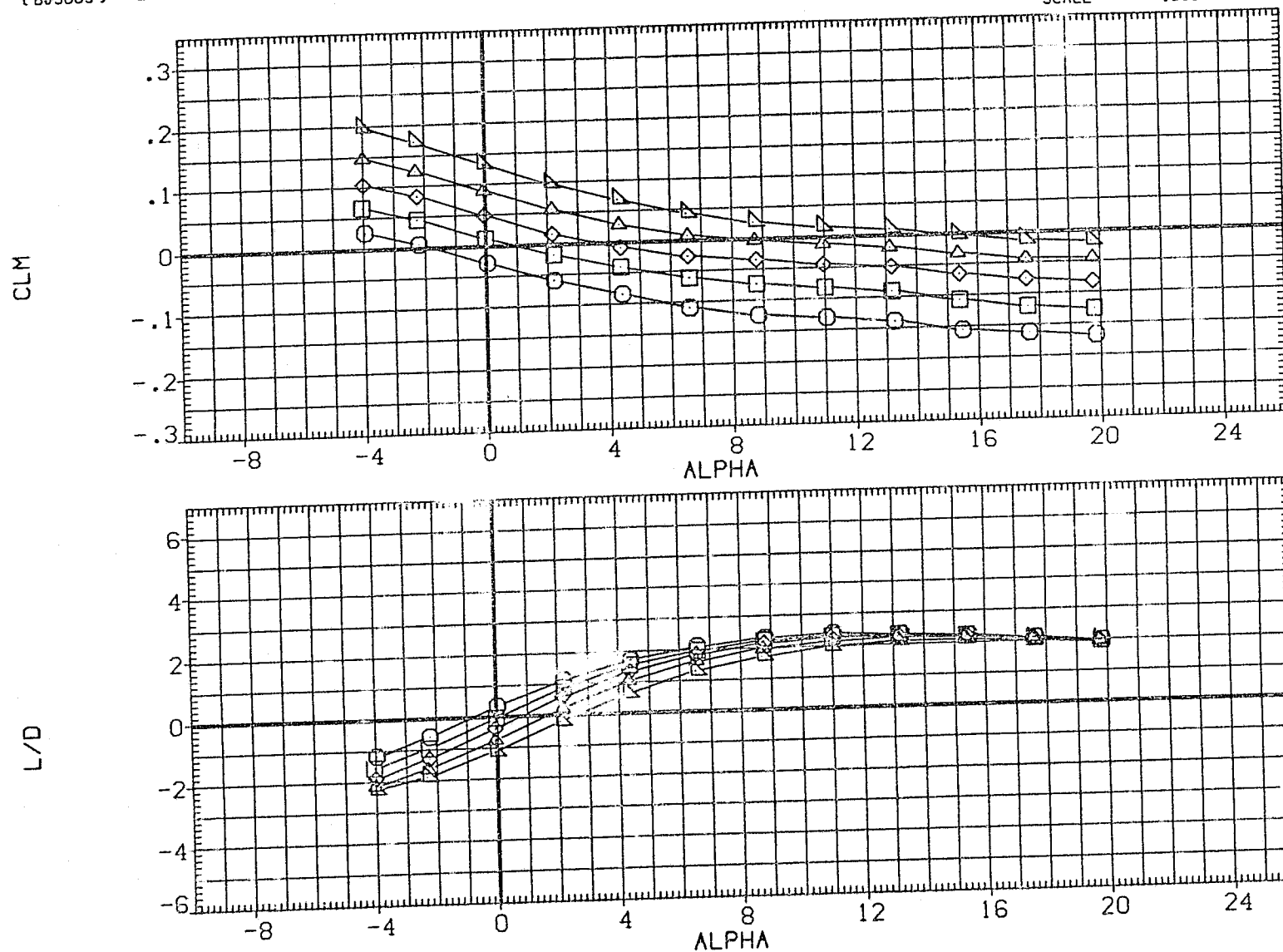


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006) ×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004) △	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) ▽	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

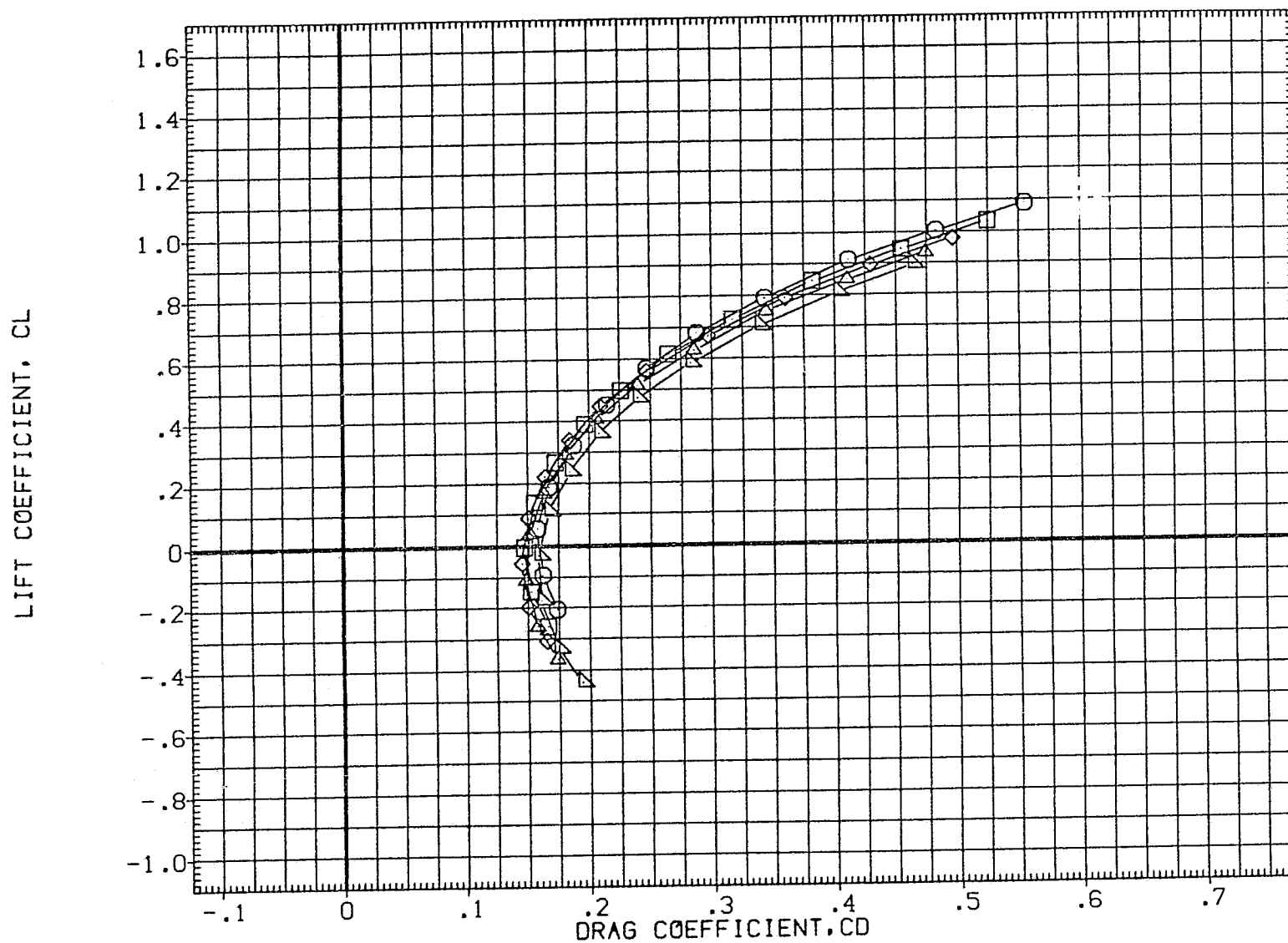


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

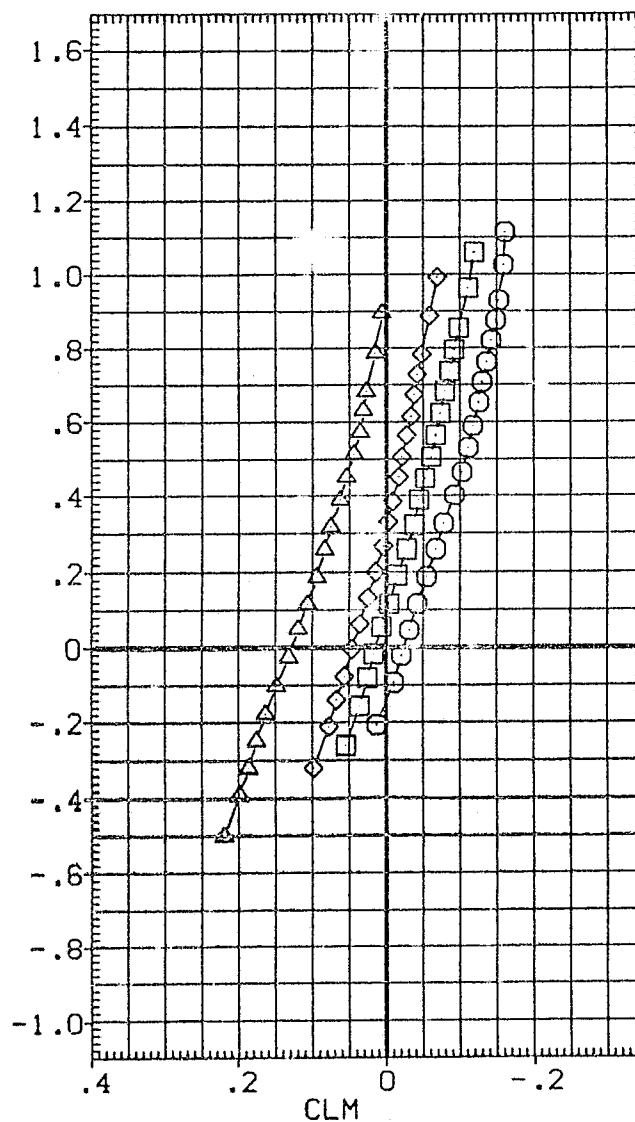
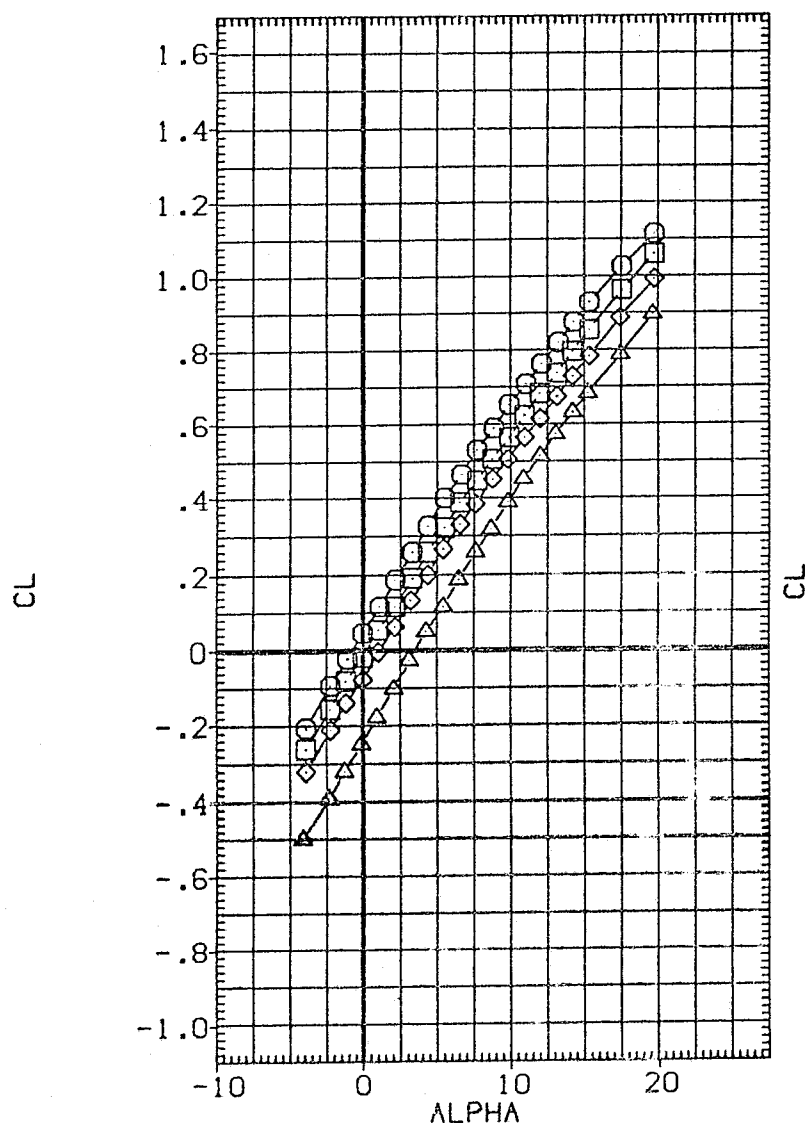


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

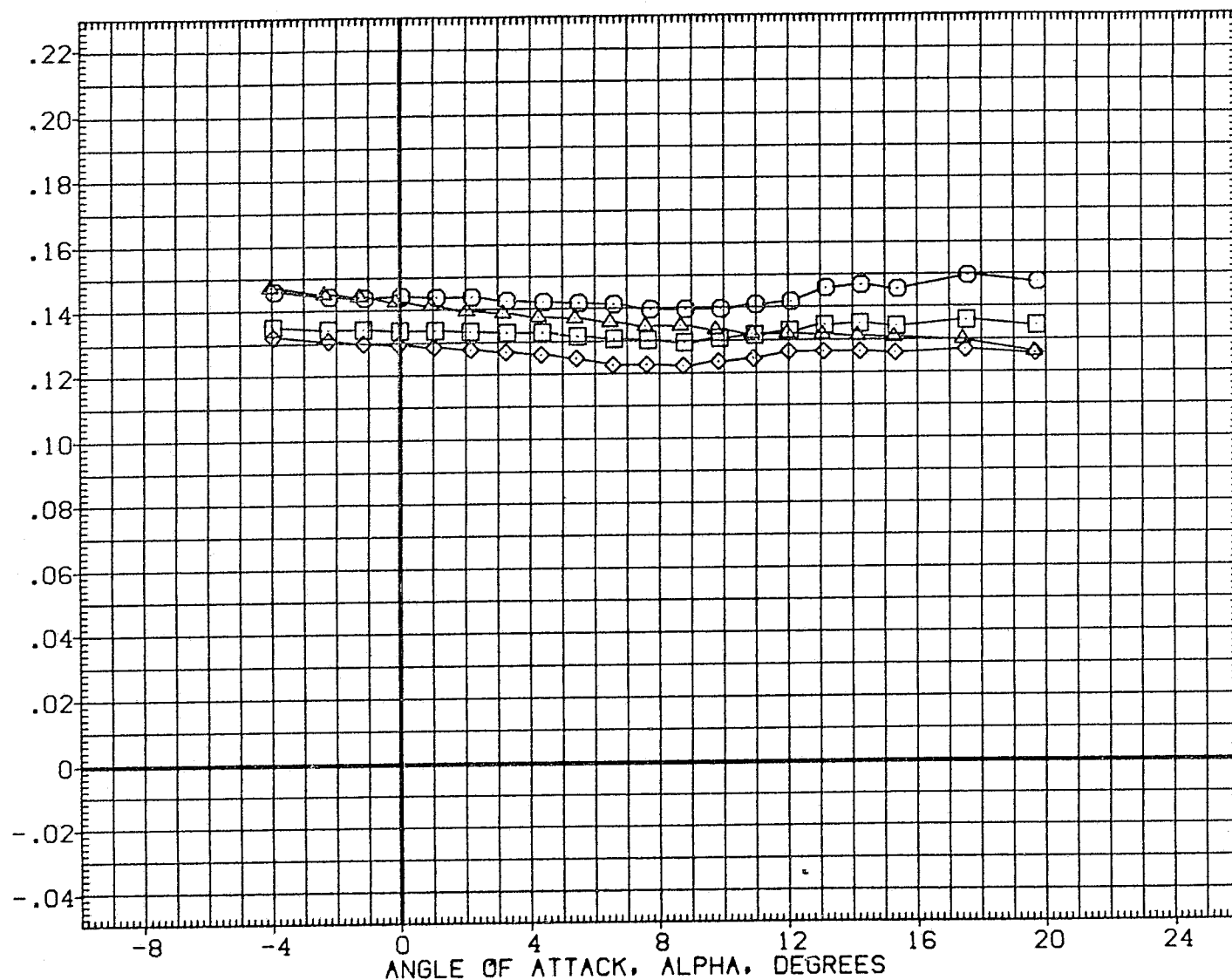


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

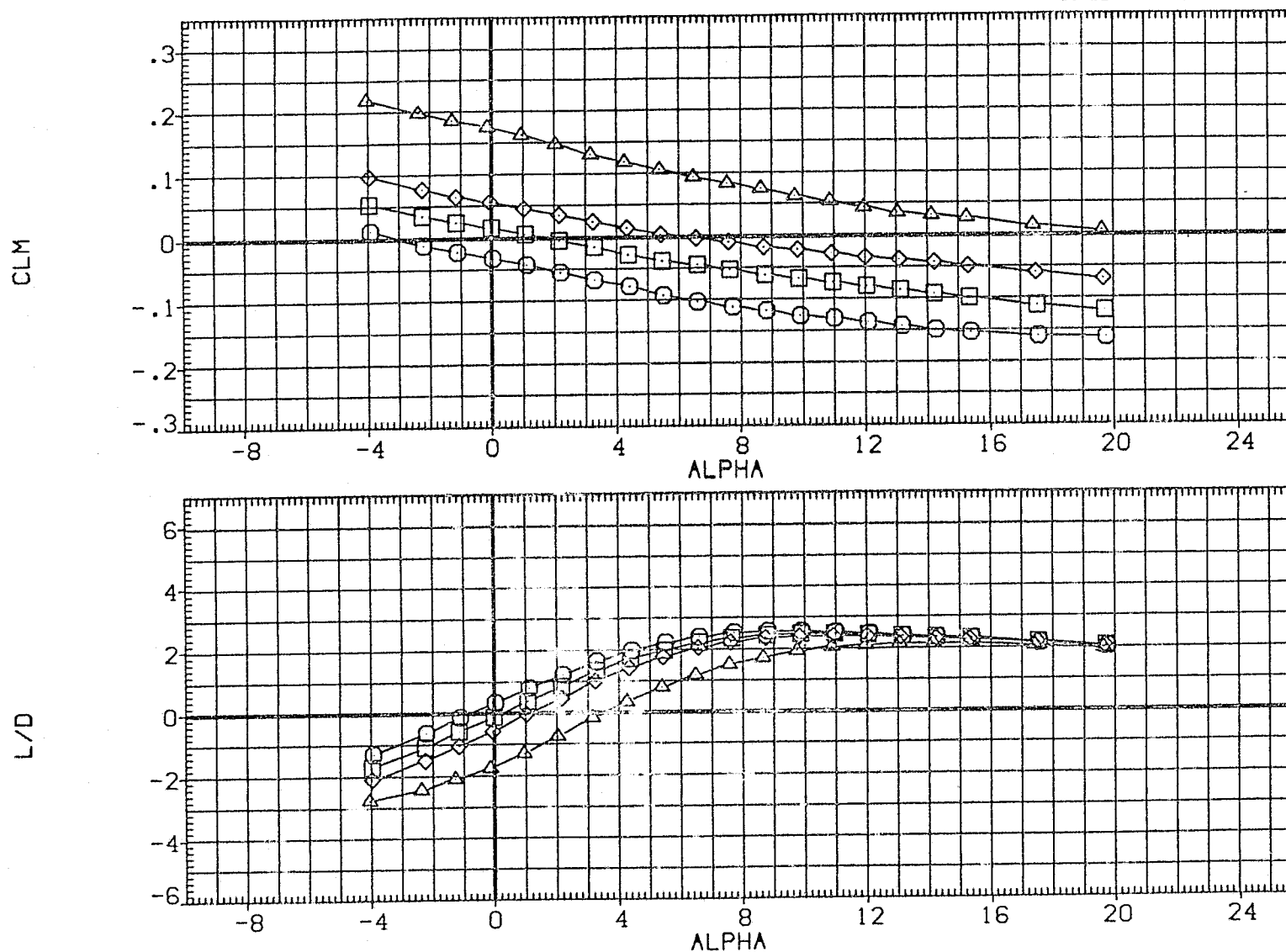


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

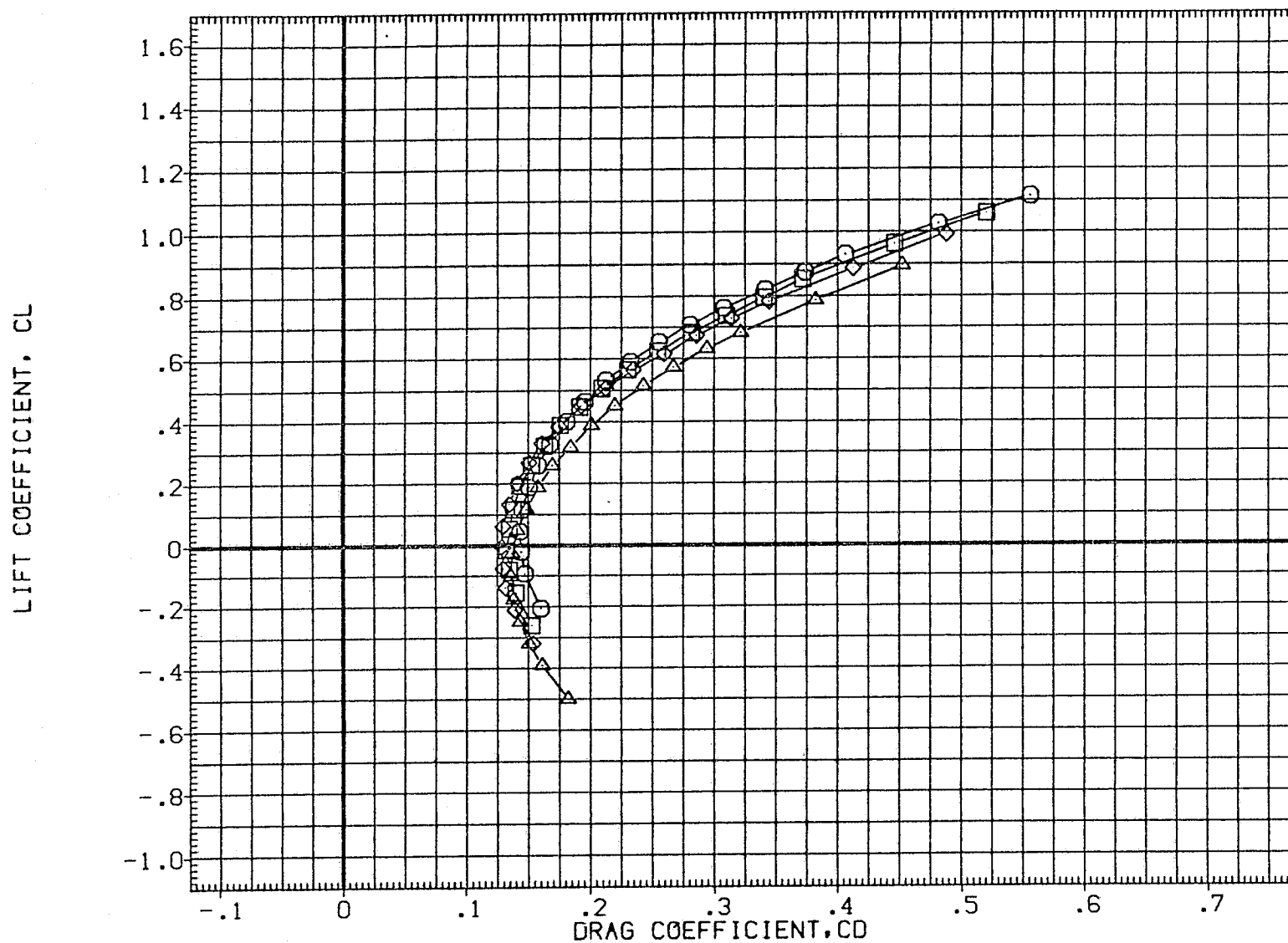


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

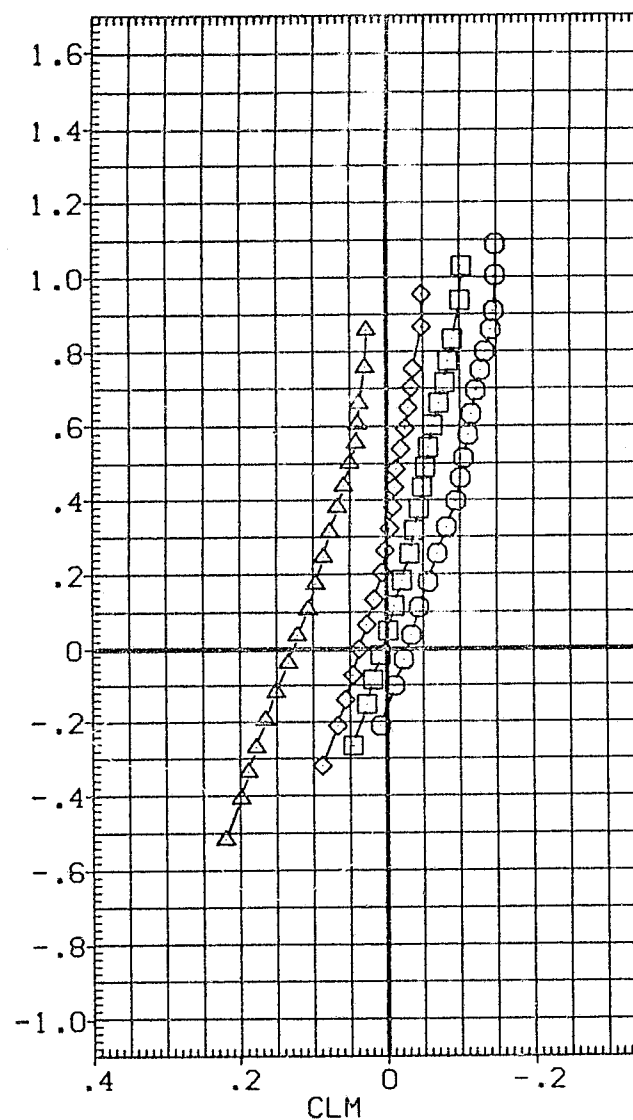
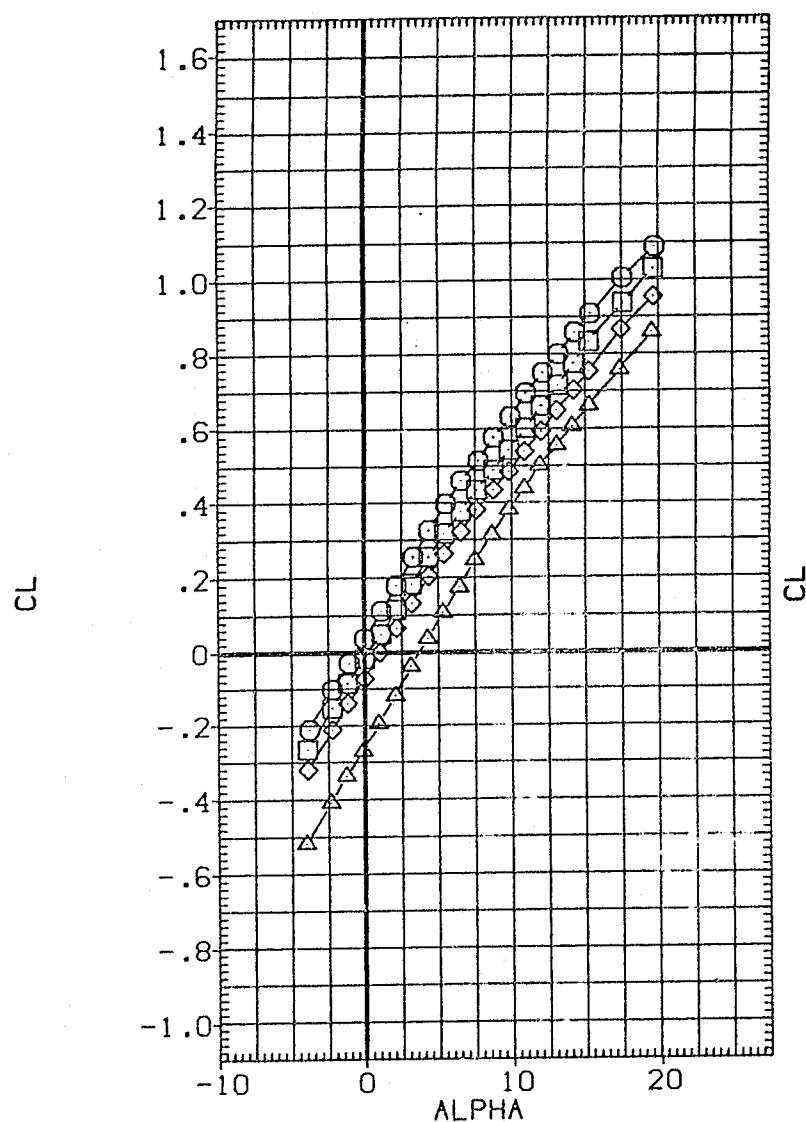


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

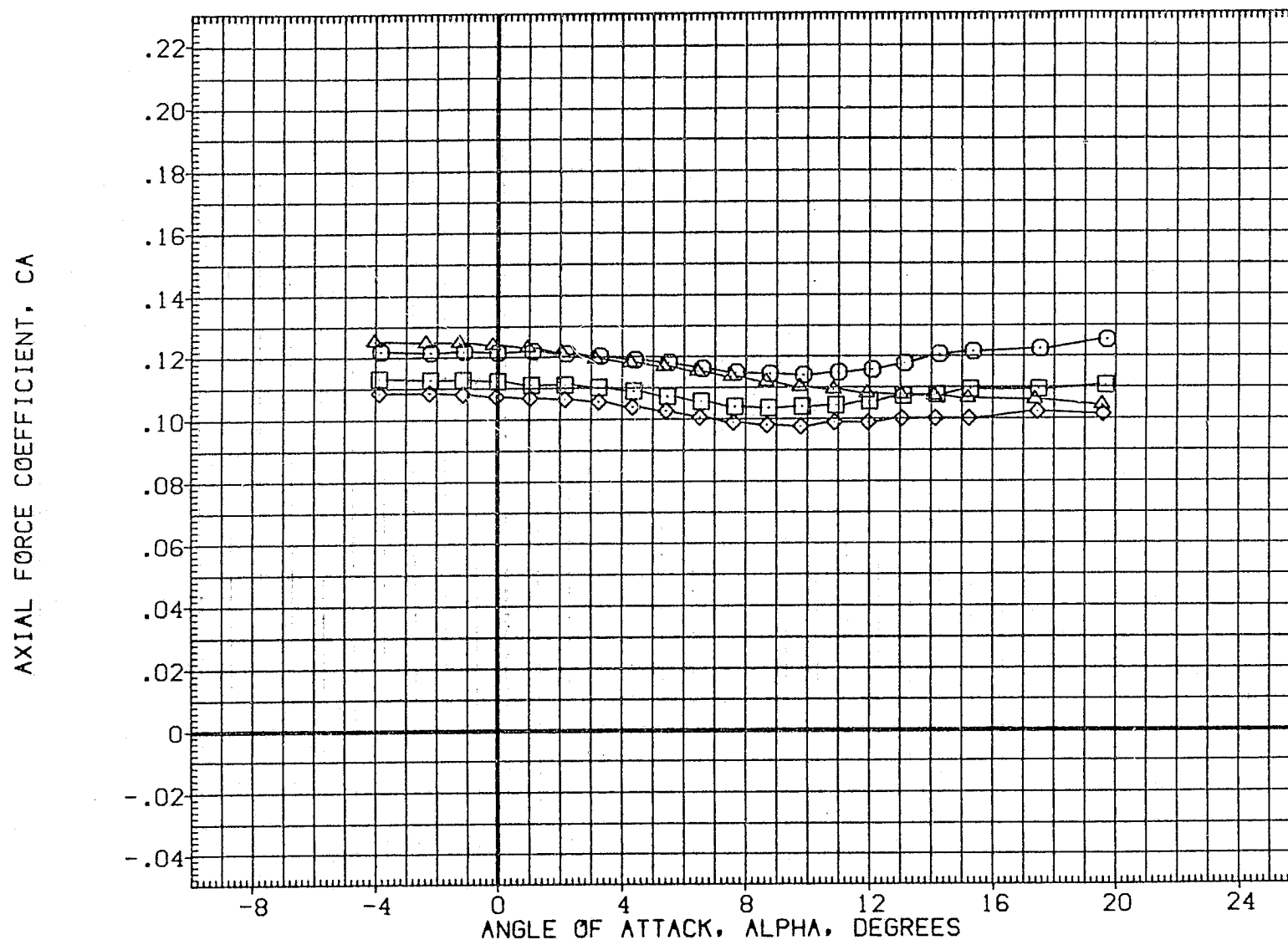


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

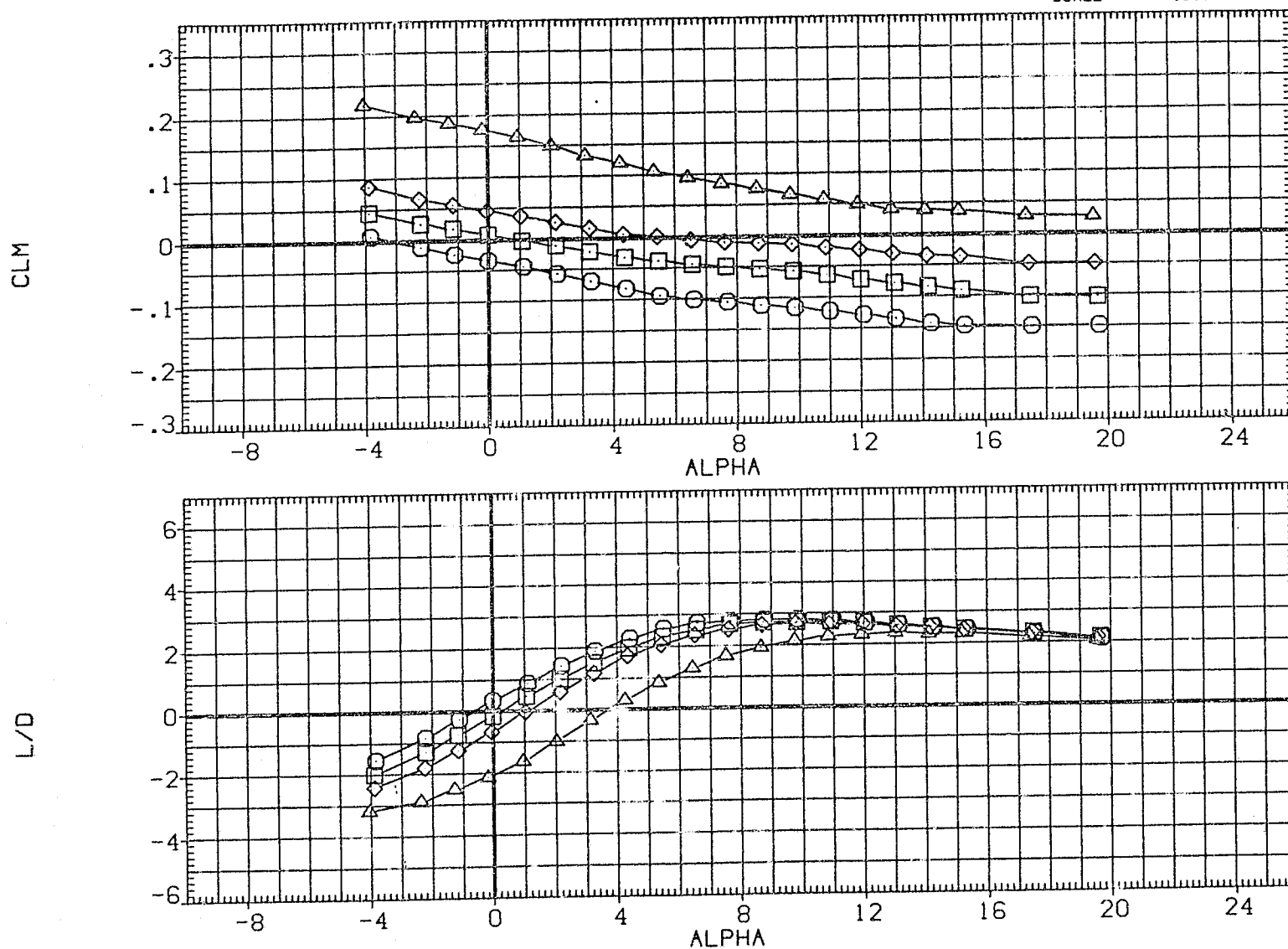


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ. FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

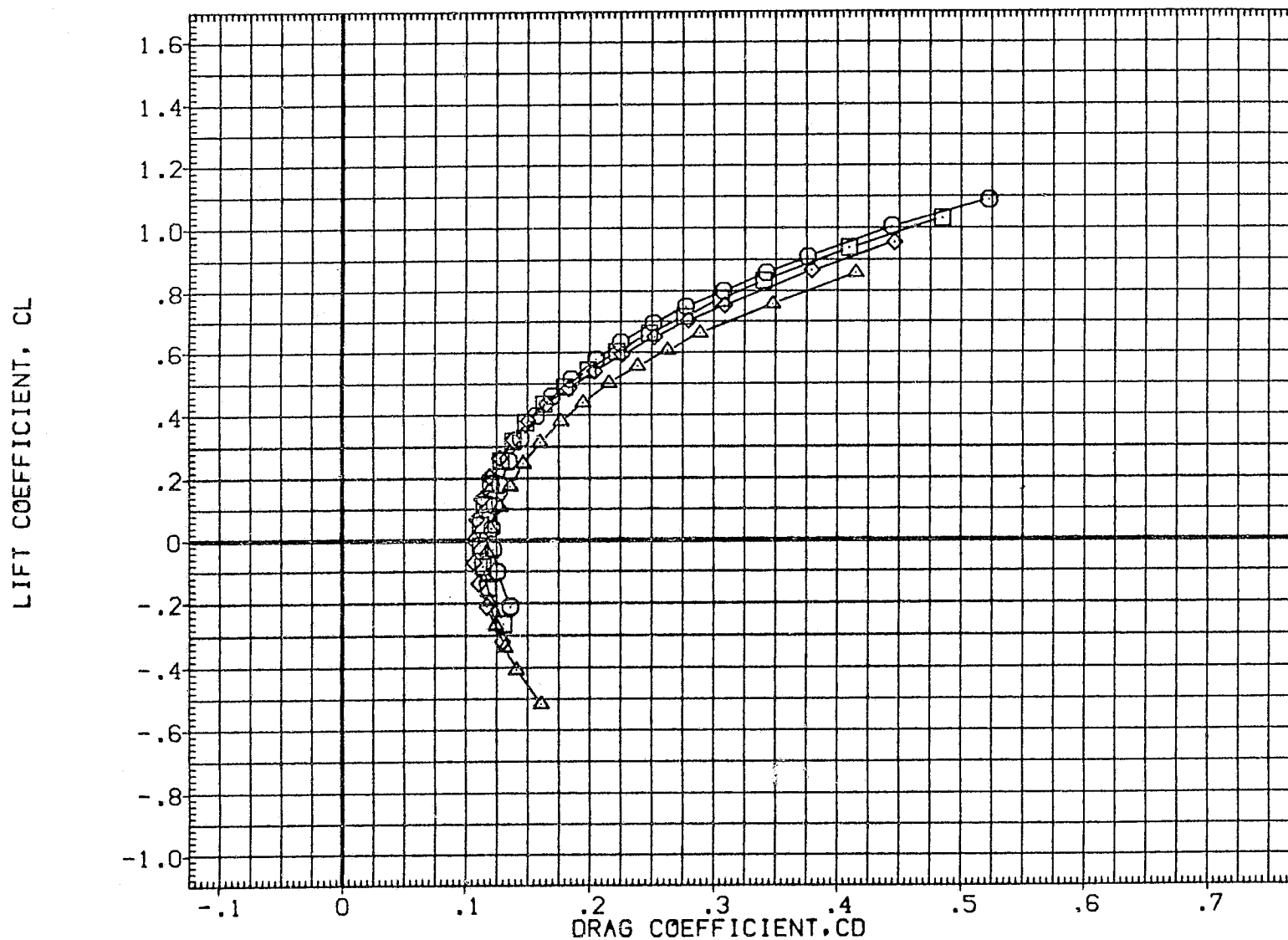


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. XO
YMRP	.0000 IN. YO
ZMRP	375.0000 IN. ZO
SCALE	.0150

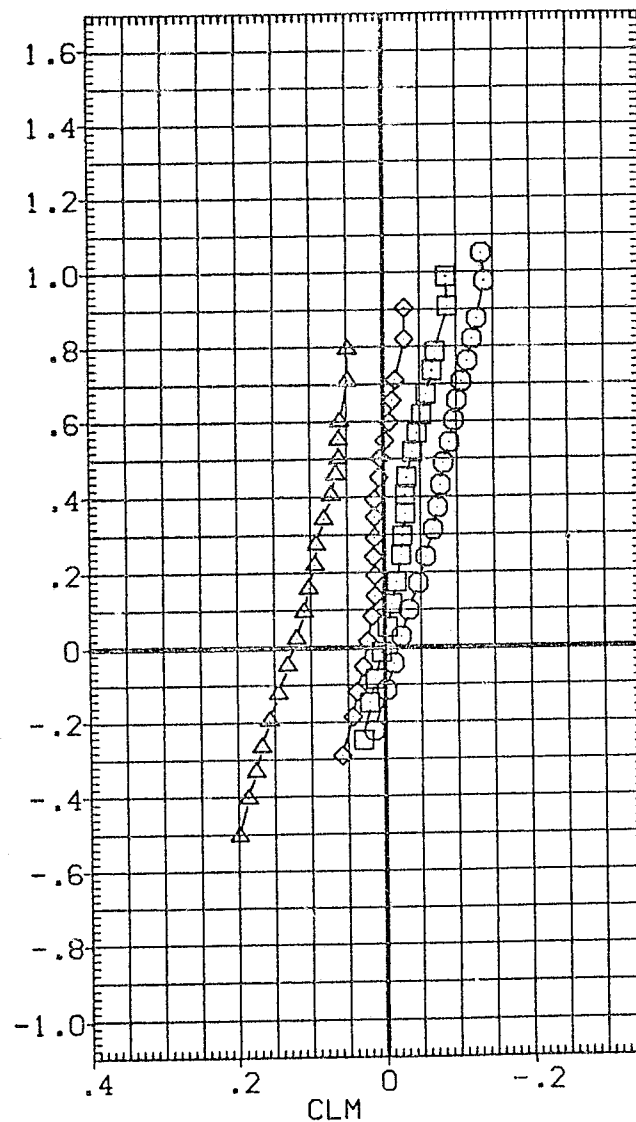
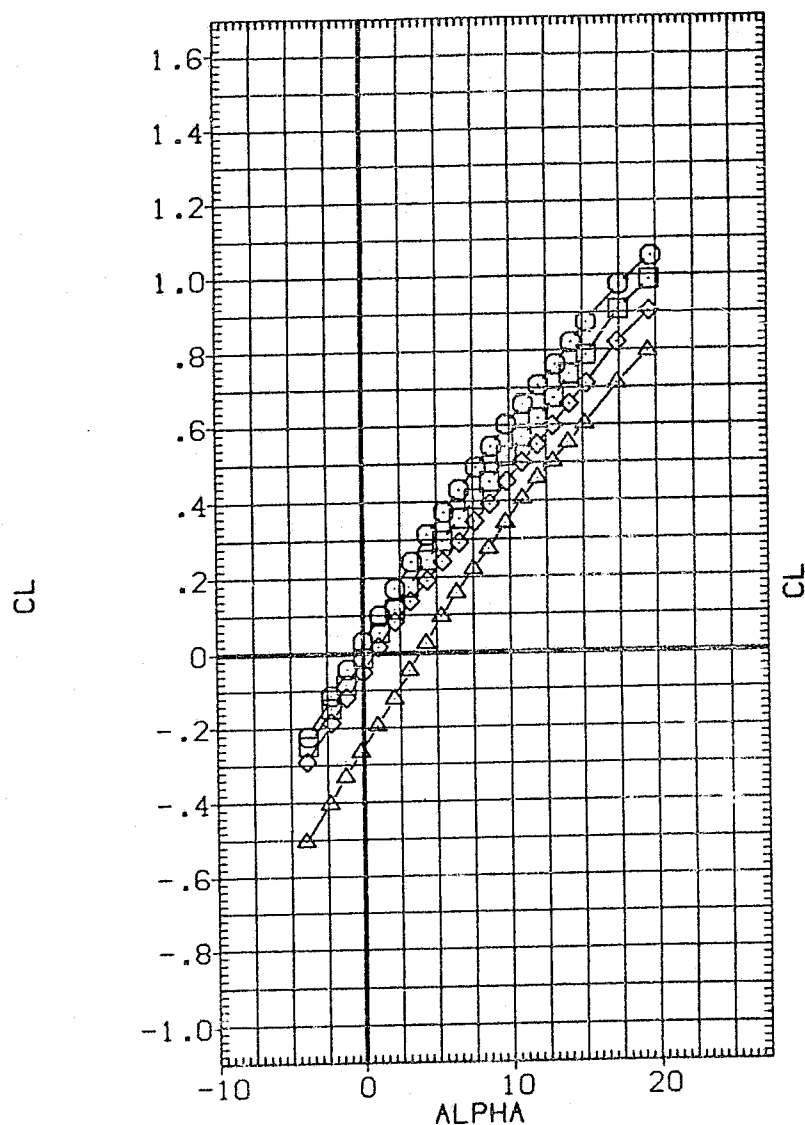


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .92

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3009)	○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILERON ELEVON

.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

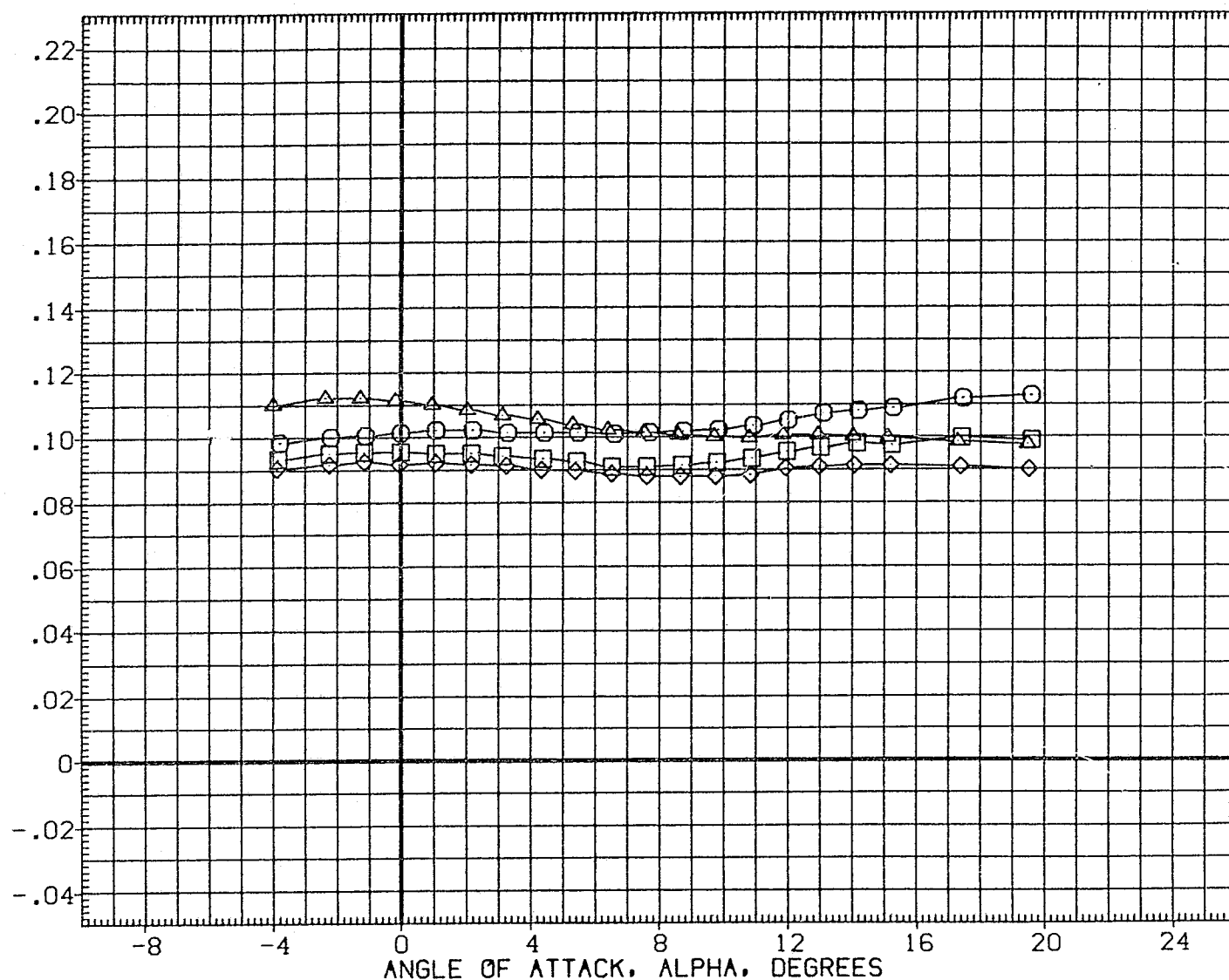


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A) MACH = .92

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	△	LARC 8FT TPT 717(LA-62) 140C CRBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

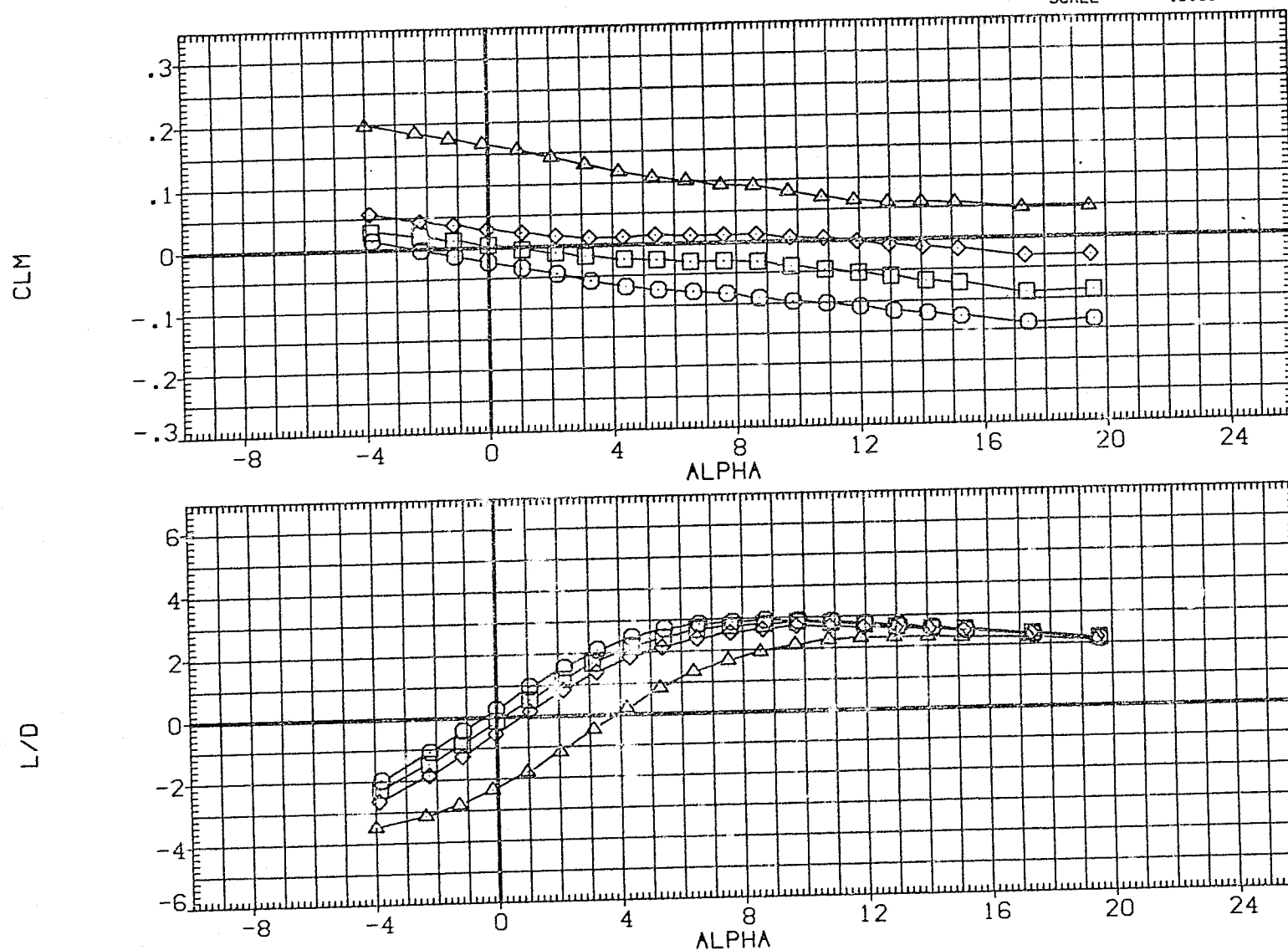


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
 (A) MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

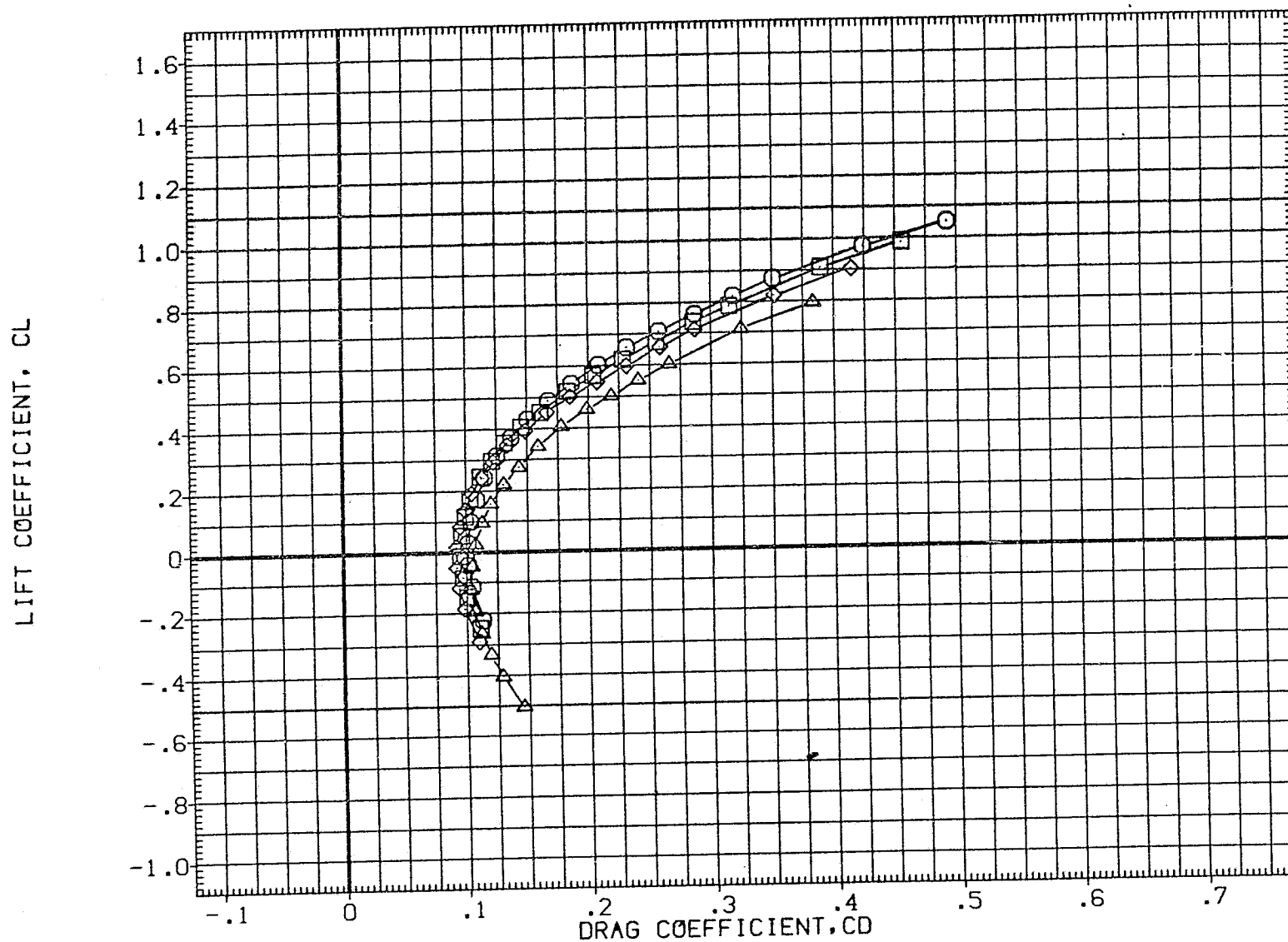


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	5.000
.000	-5.000
.000	-10.000
.000	-15.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

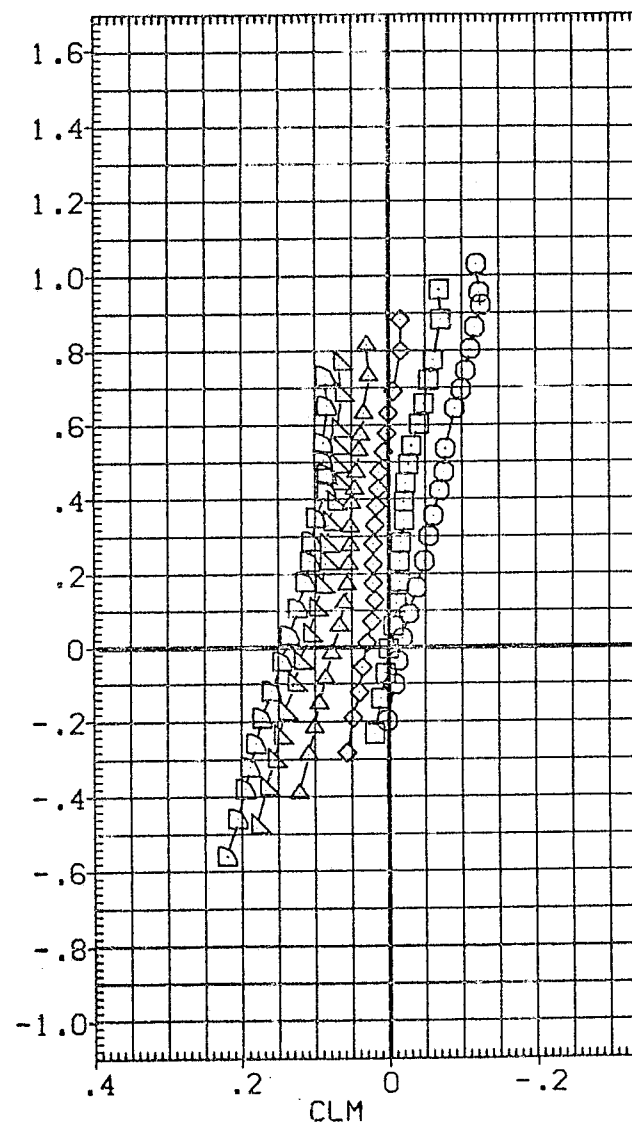
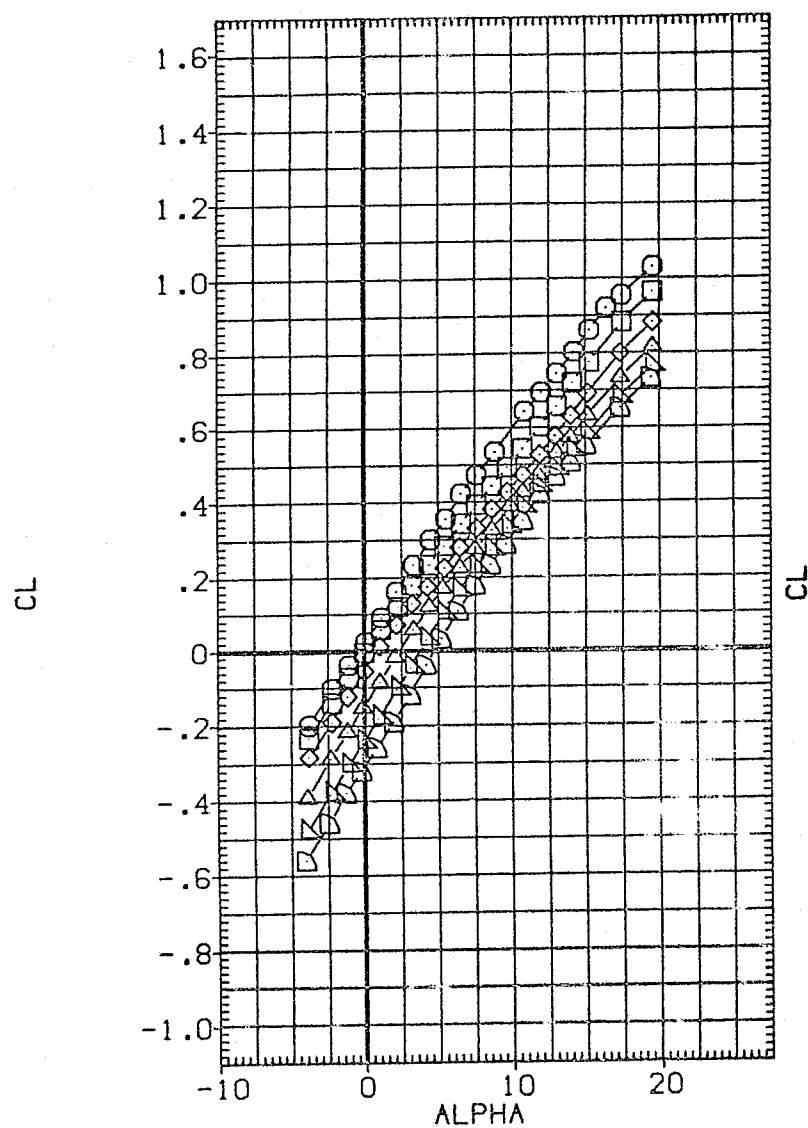


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000
.000	-15.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

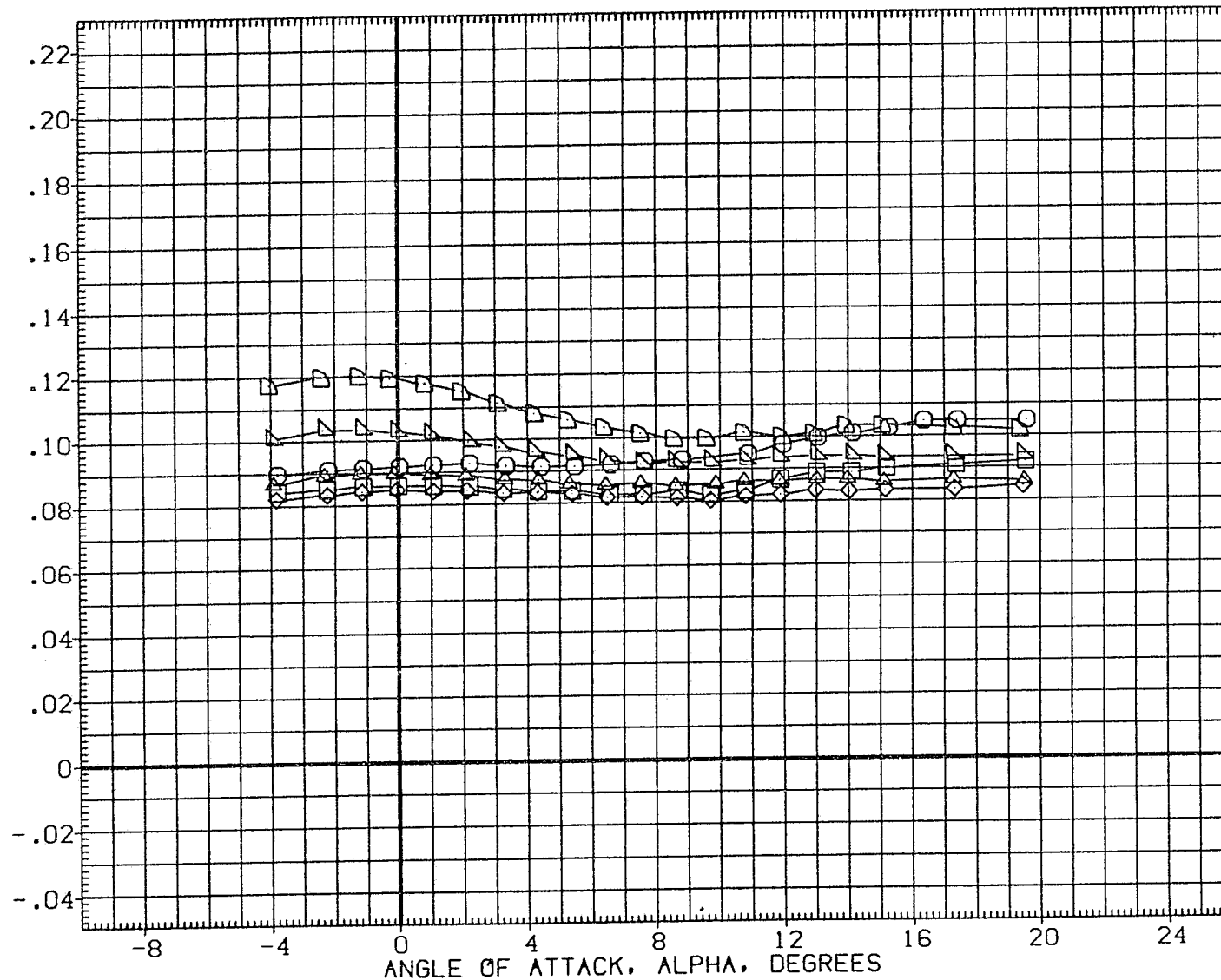


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3009)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	▽	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON ELEVON

.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000
.000	-15.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

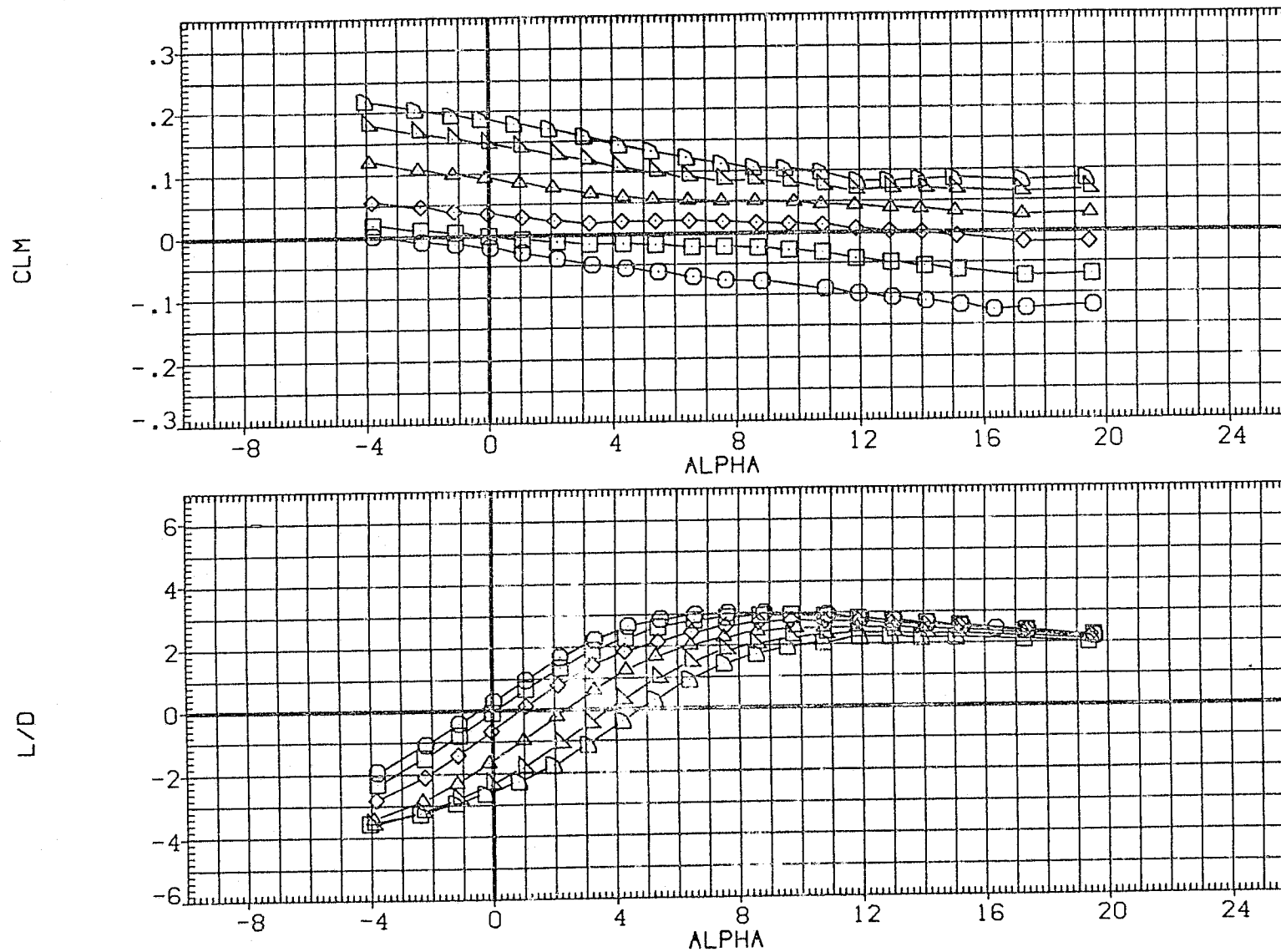


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3002)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AIRLON	ELEVON
.000	10.000
.000	5.000
.000	.000
.000	-5.000
.000	-10.000
.000	-15.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

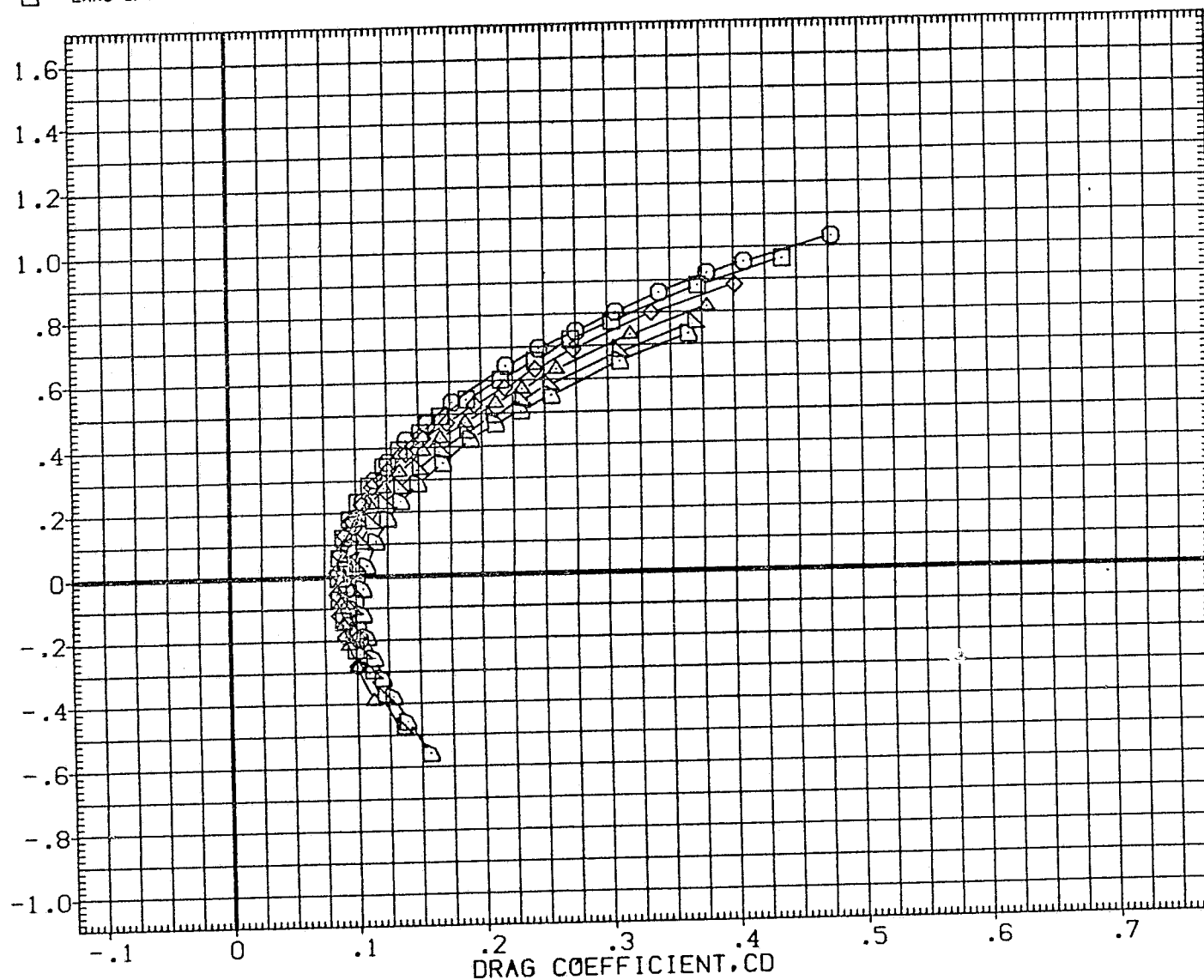


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

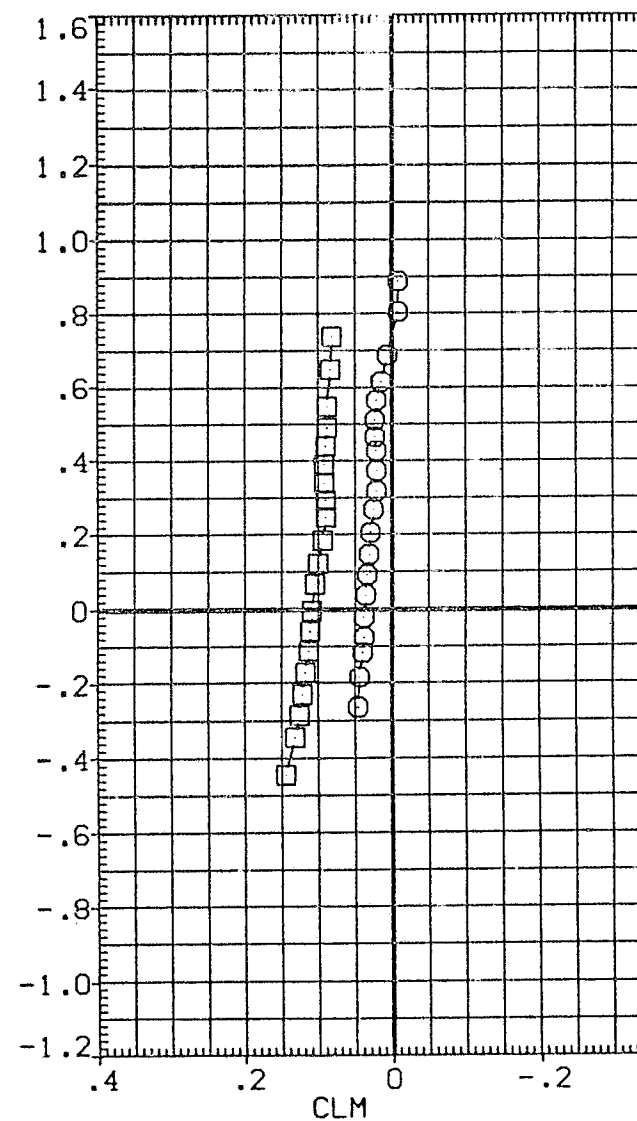
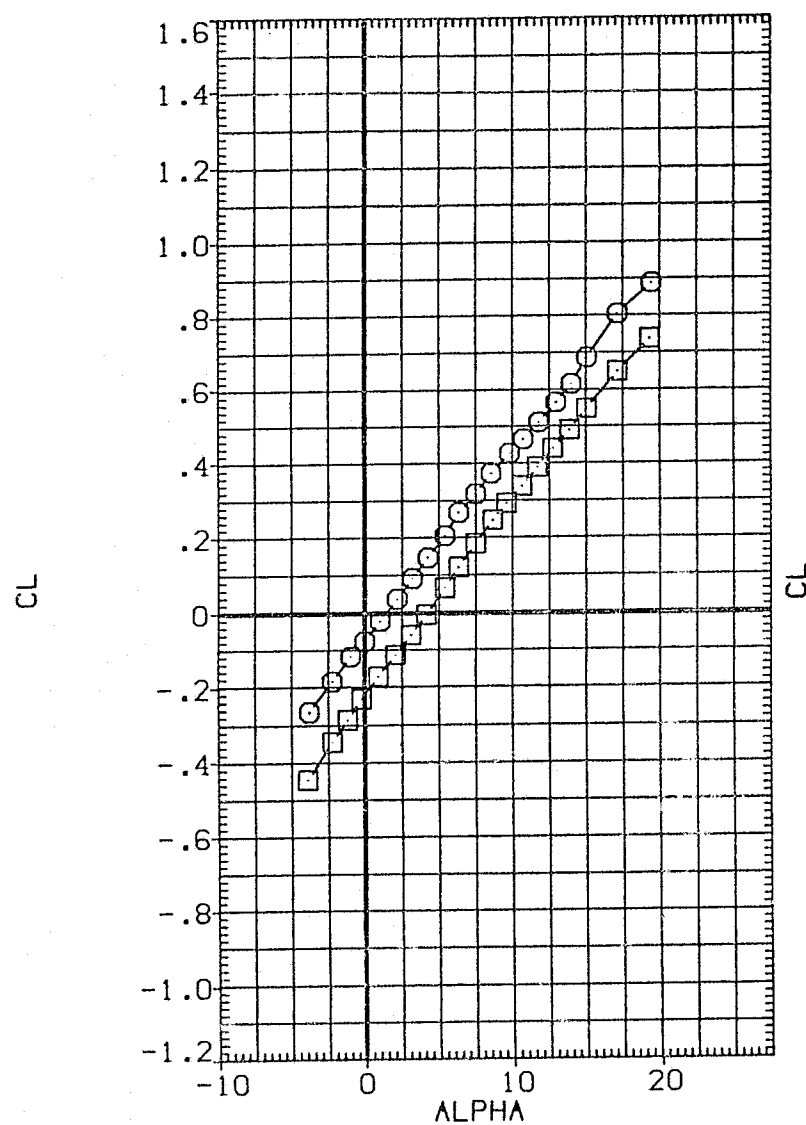


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

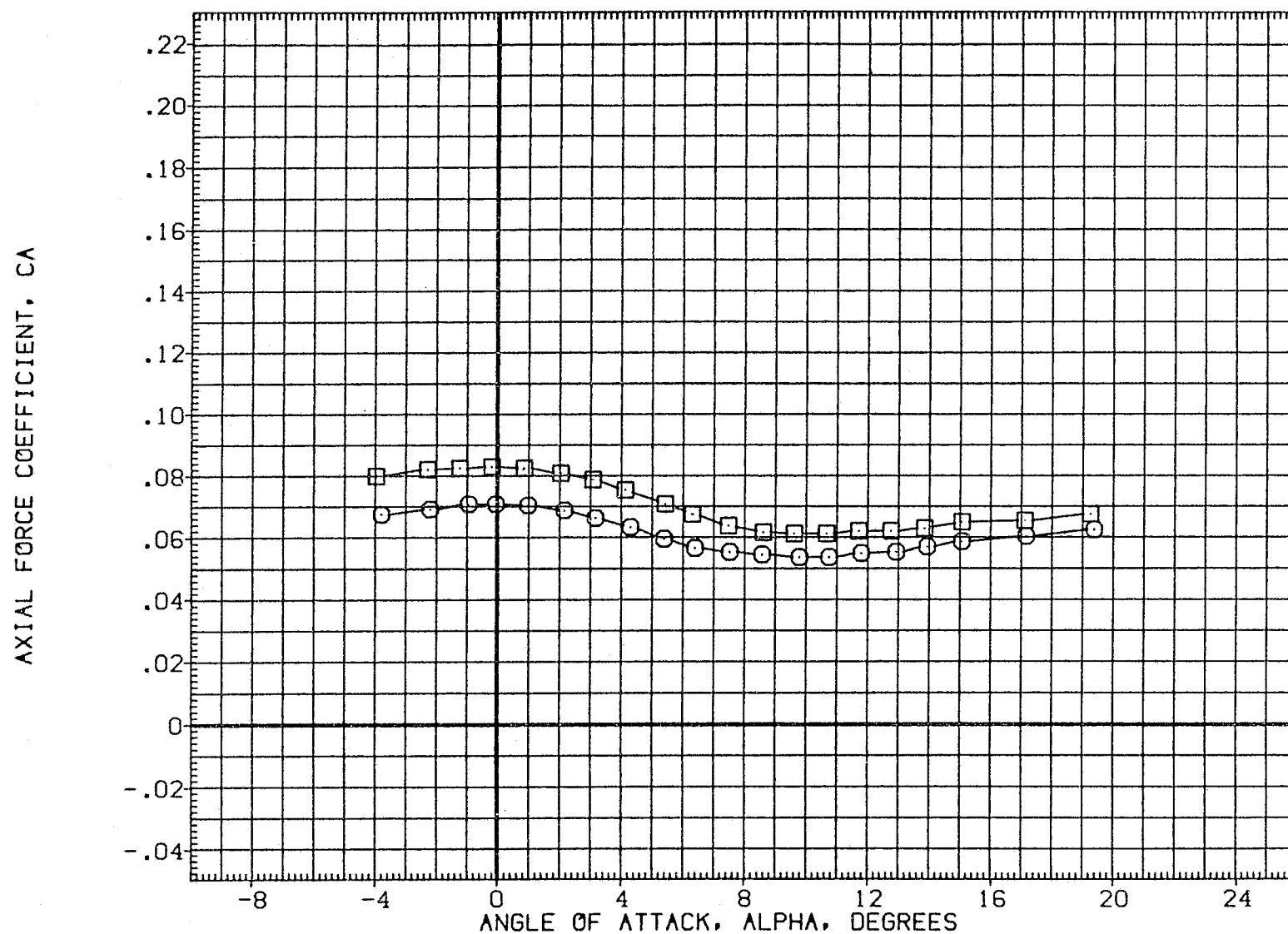


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) $\square$	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) $\square$	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

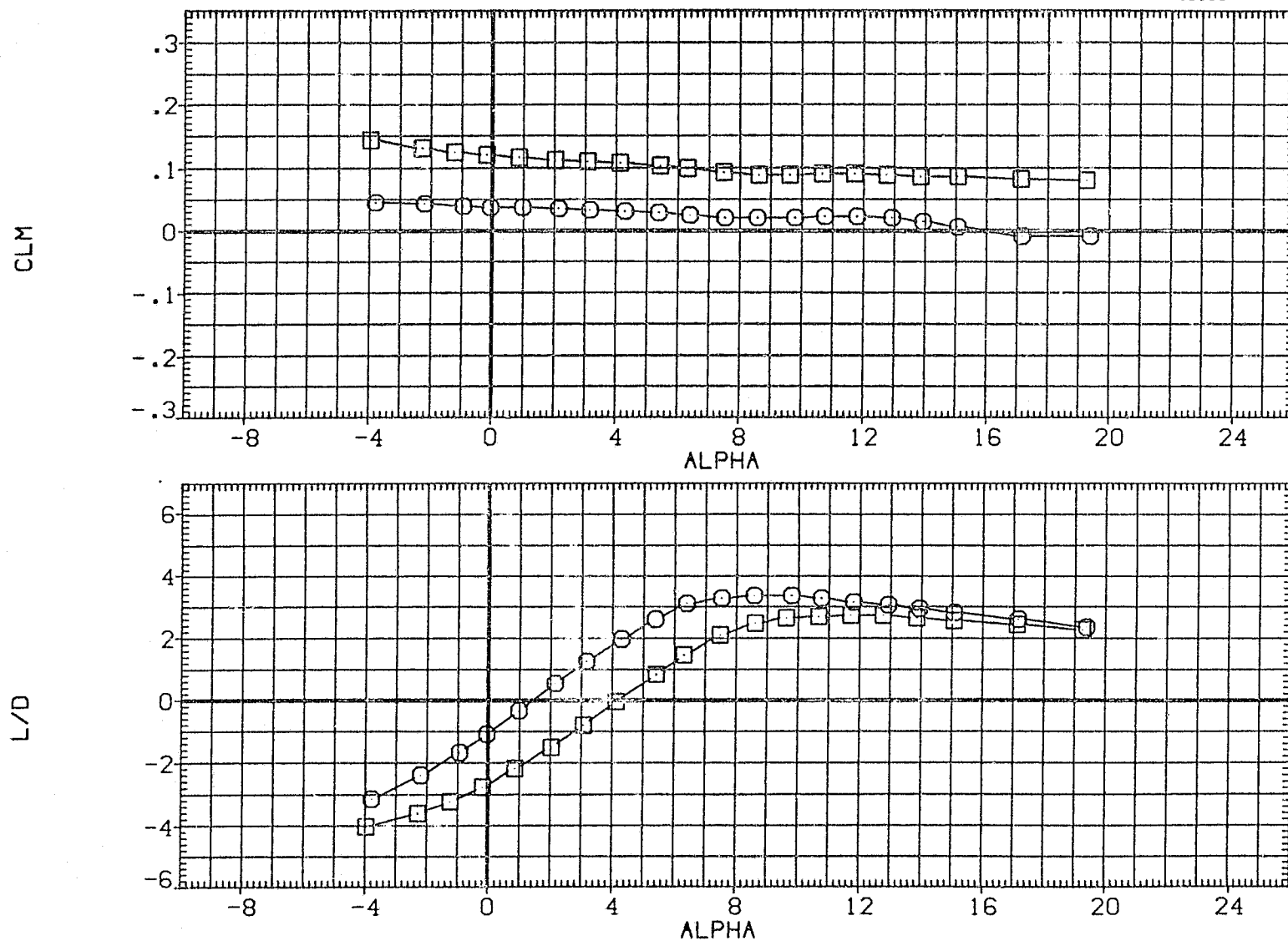


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

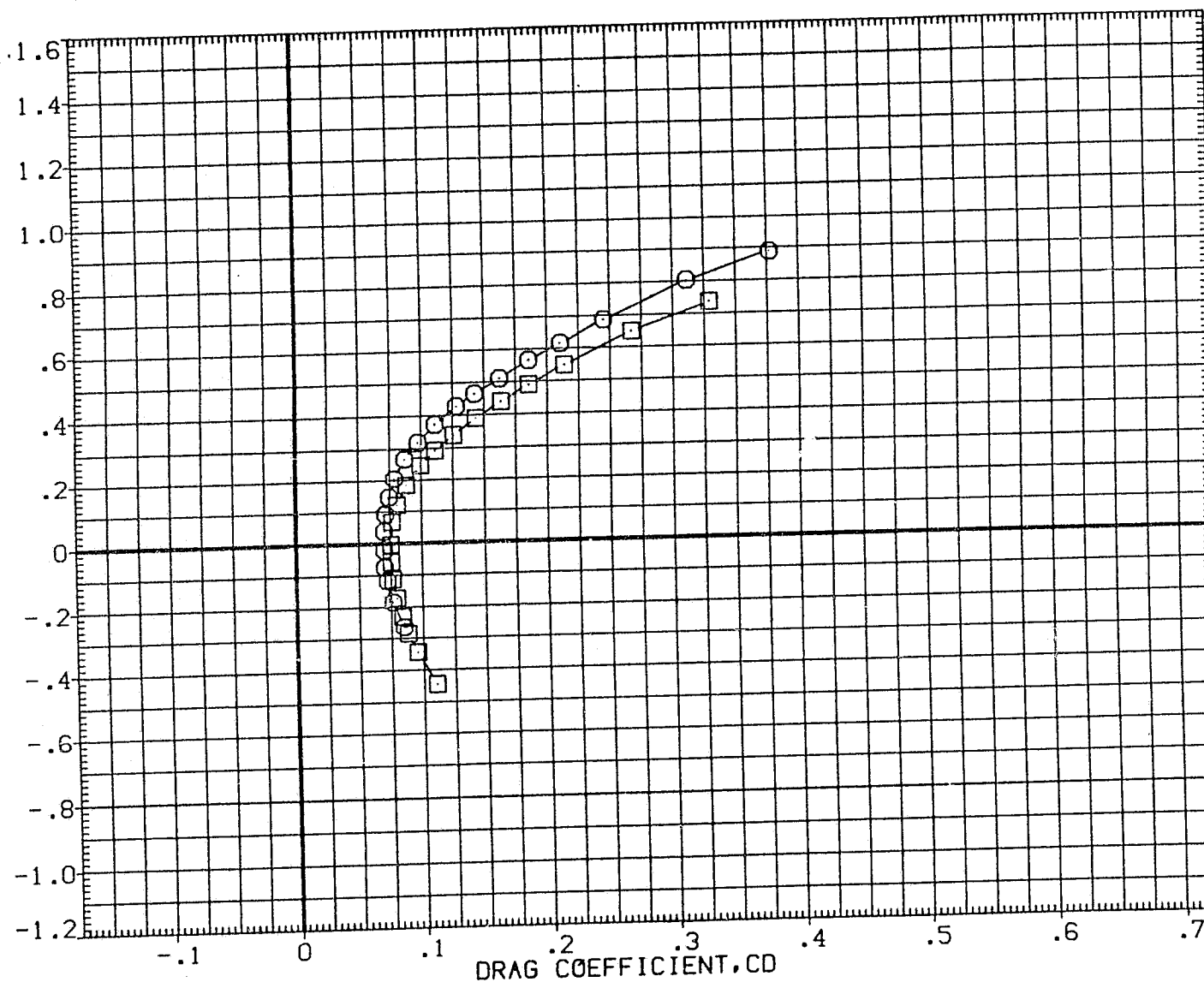


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

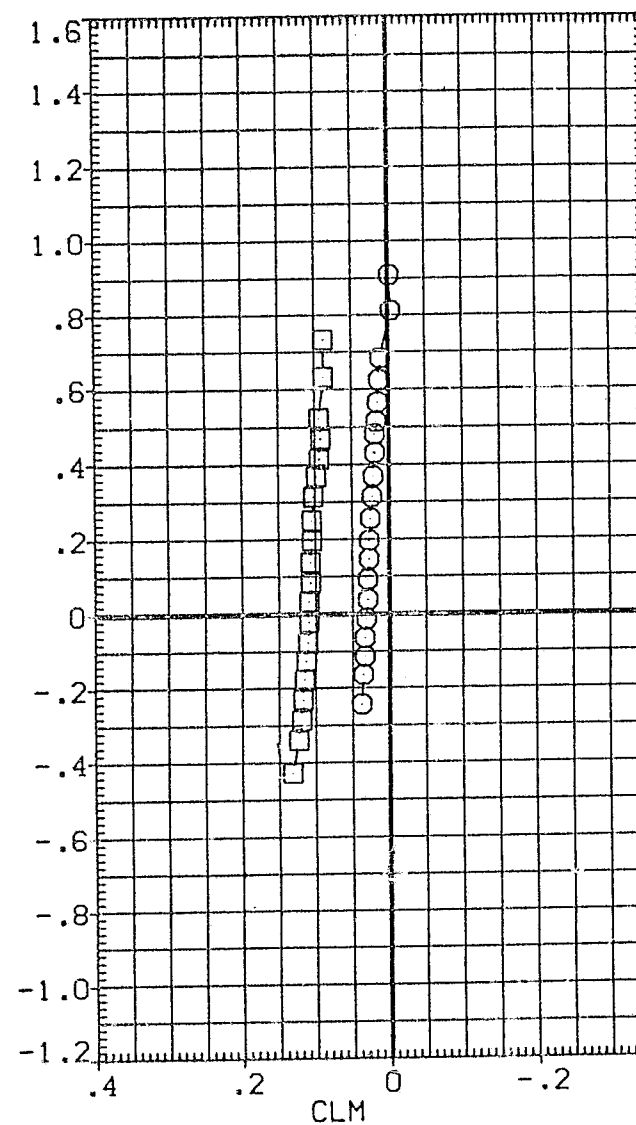
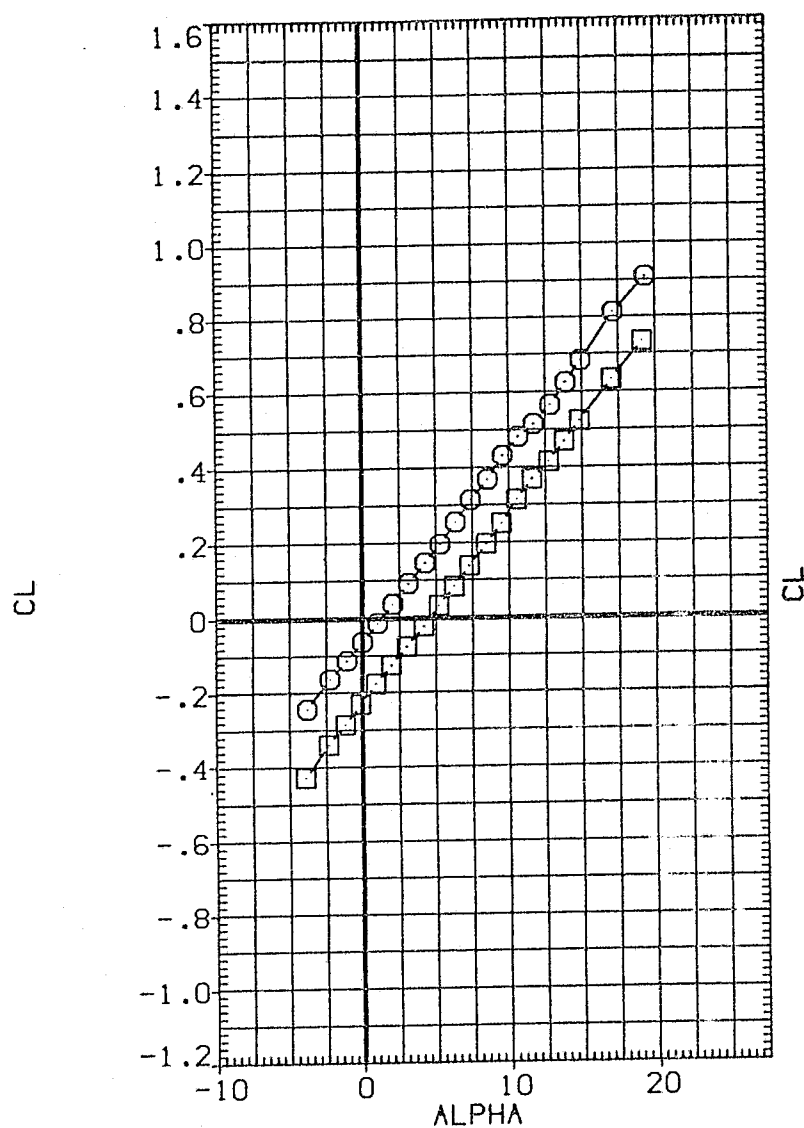


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

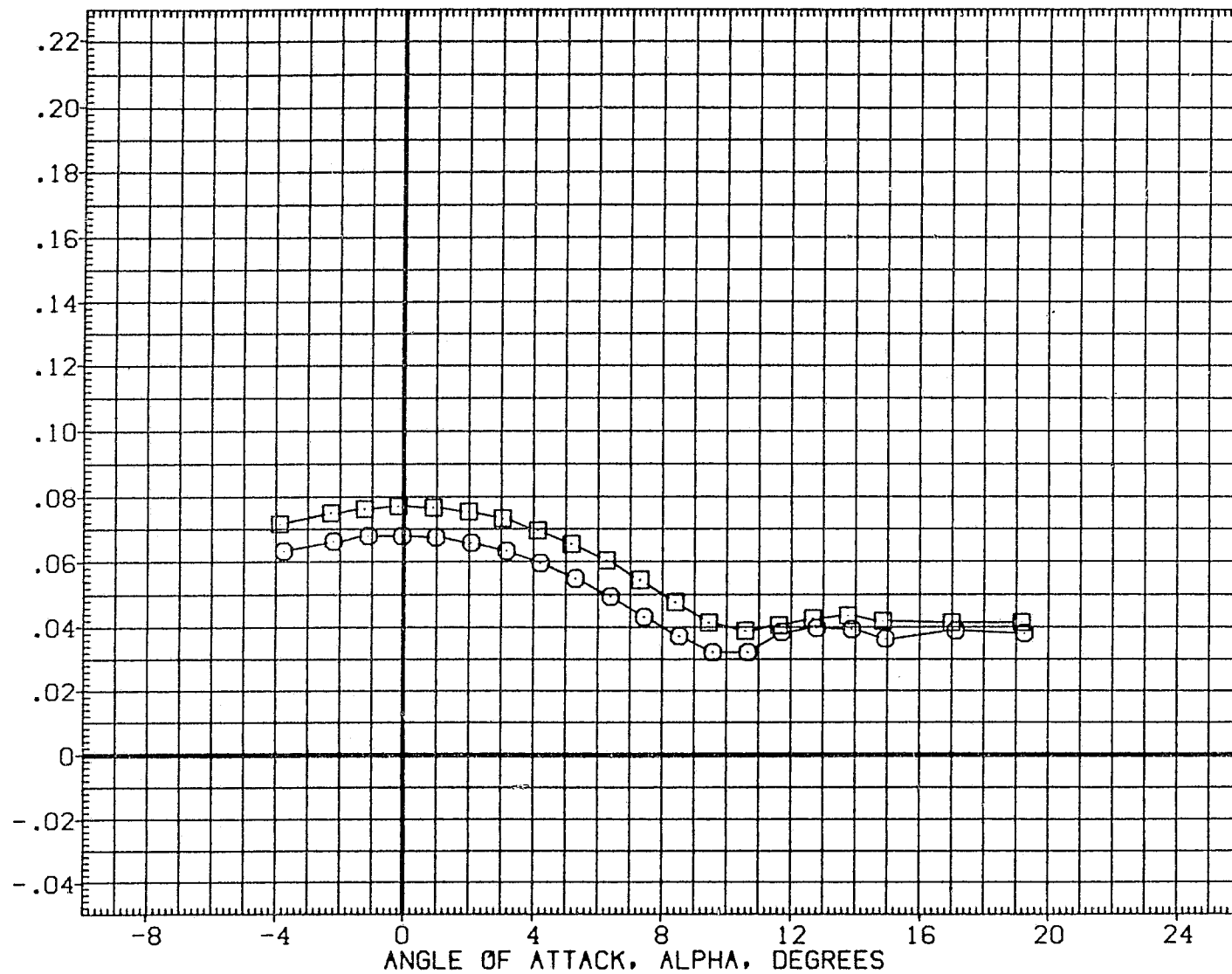


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

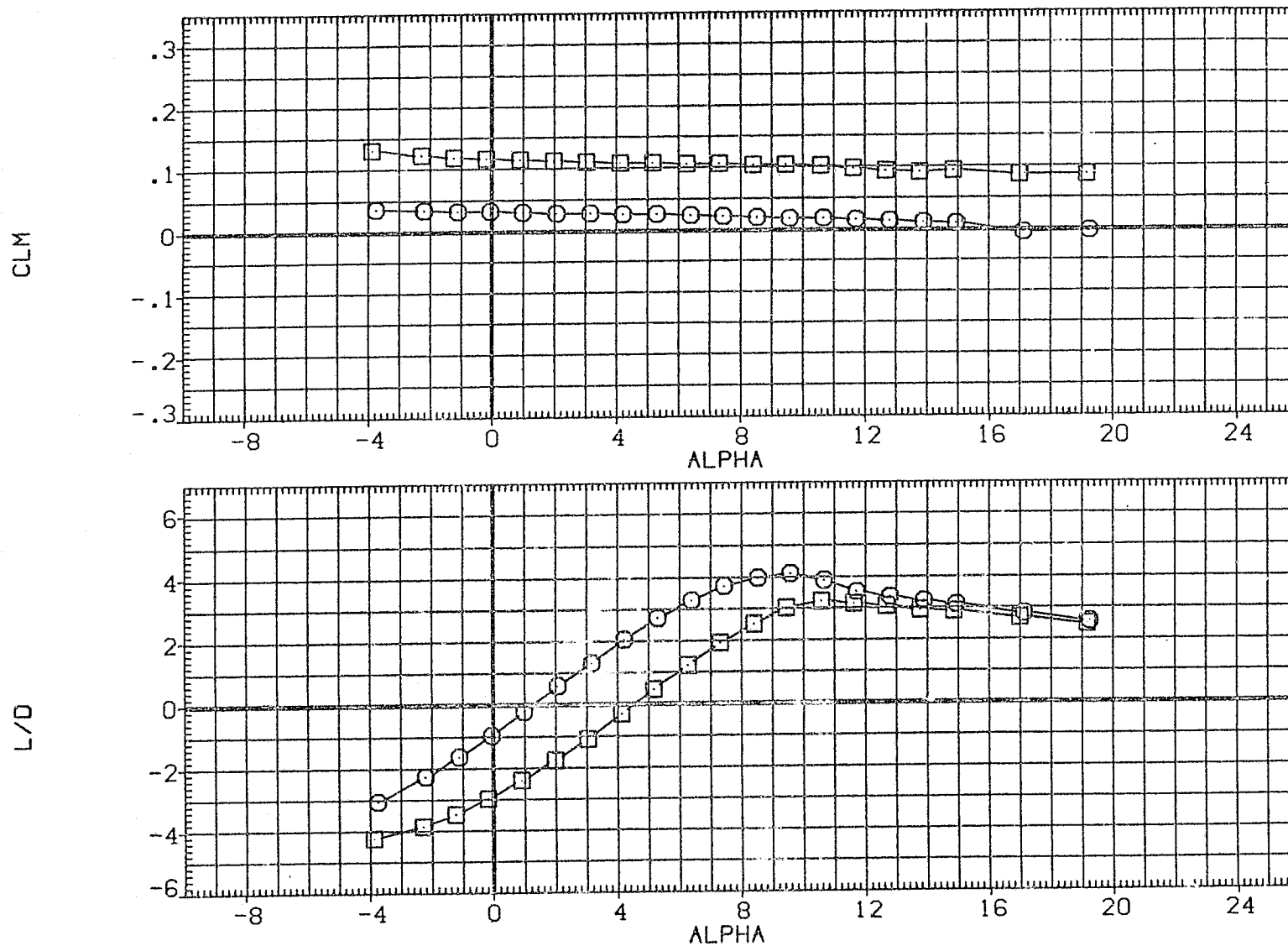


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

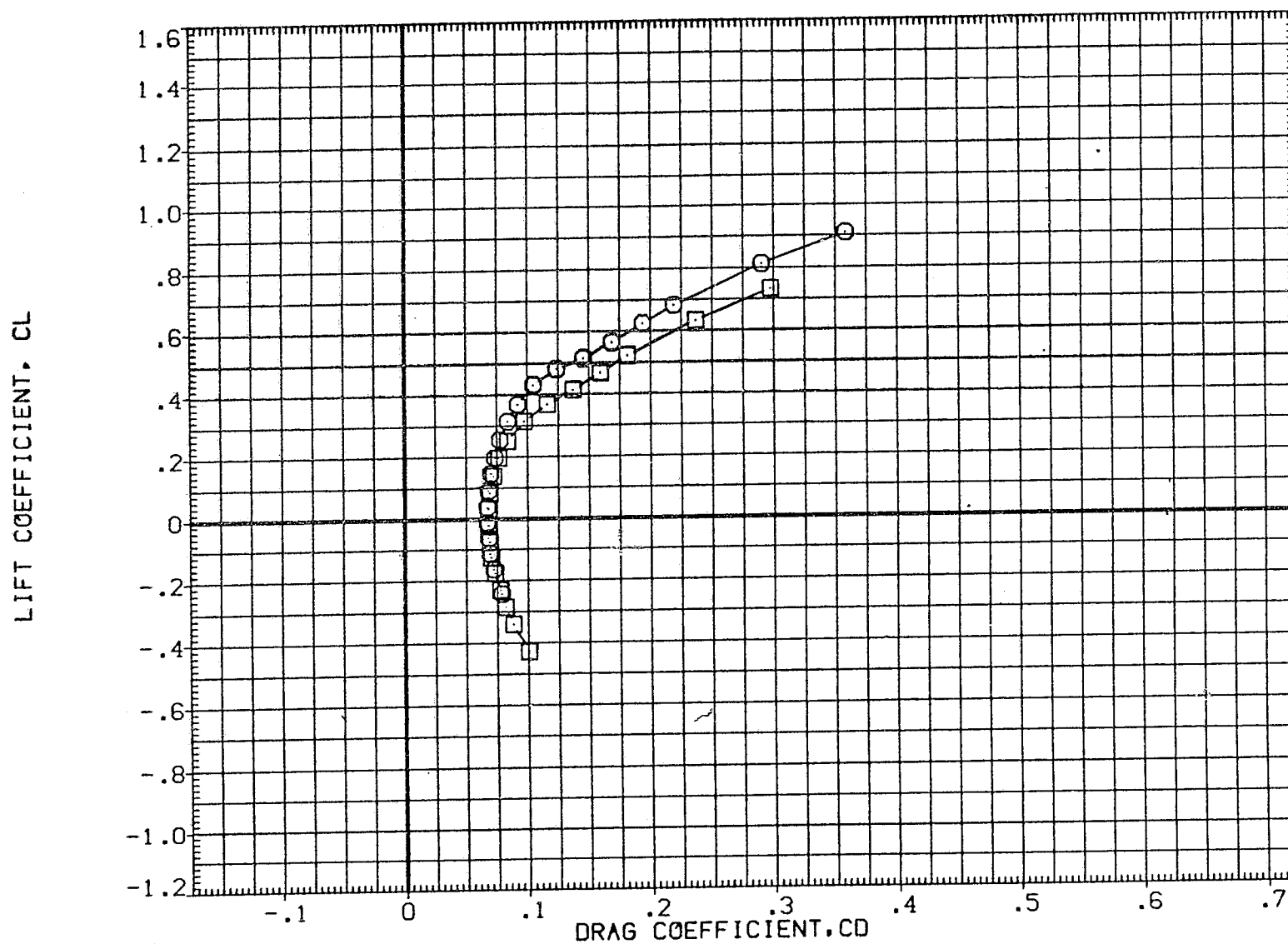


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

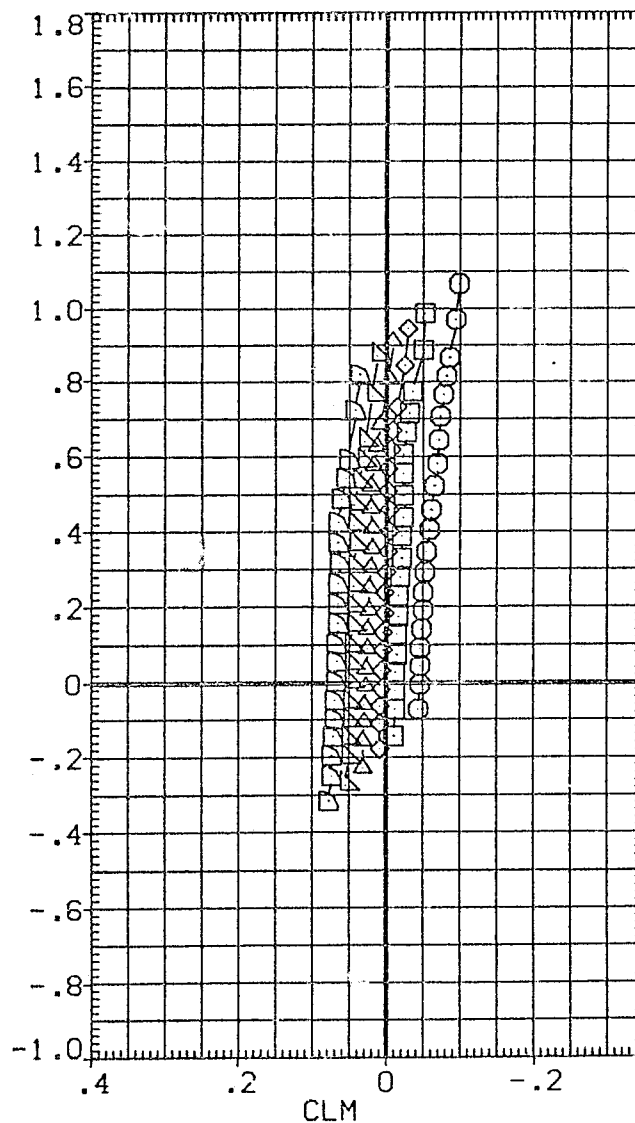
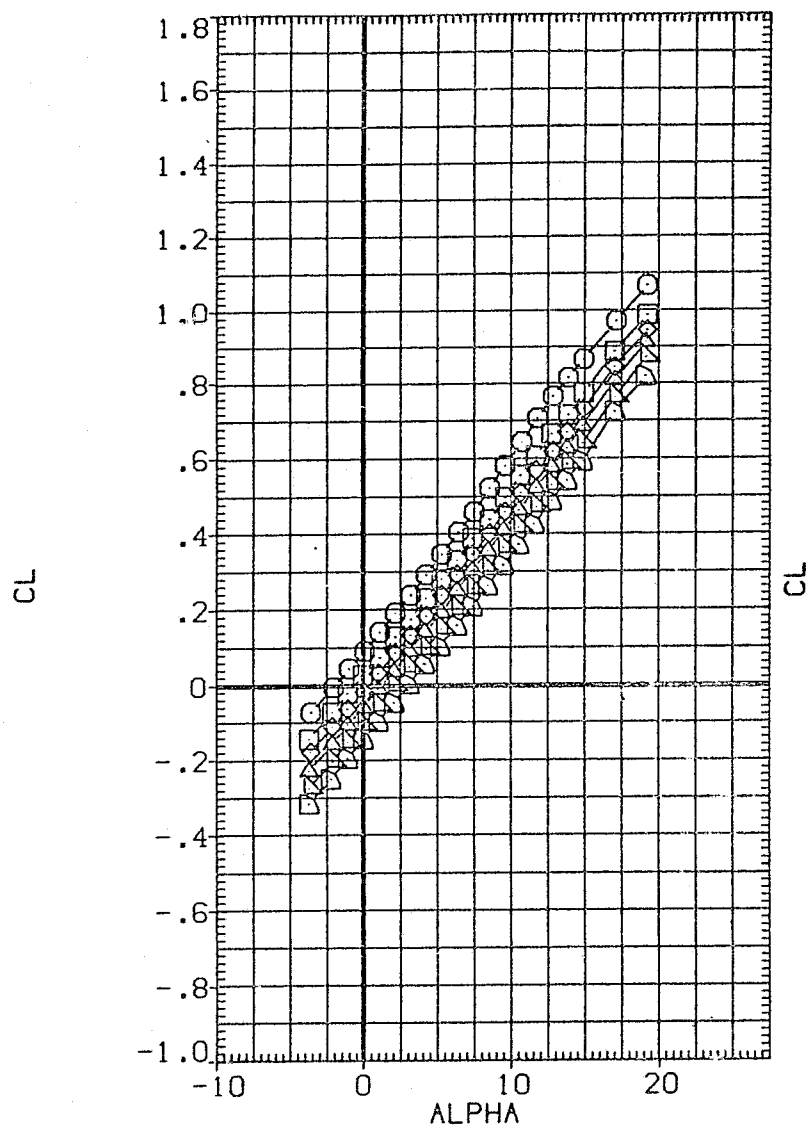


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AILRON	ELEVON	REFERENCE INFORMATION		
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	10.000	SREF	2690.0000	SQ.FT.
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	5.000	LREF	474.8000	INCHES
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	2.500	BREF	936.6800	INCHES
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	.000	XMRP	1076.7000	IN. X0
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-2.500	YMRP	.0000	IN. Y0
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-5.000	ZMRP	375.0000	IN. Z0
				SCALE	.0150	

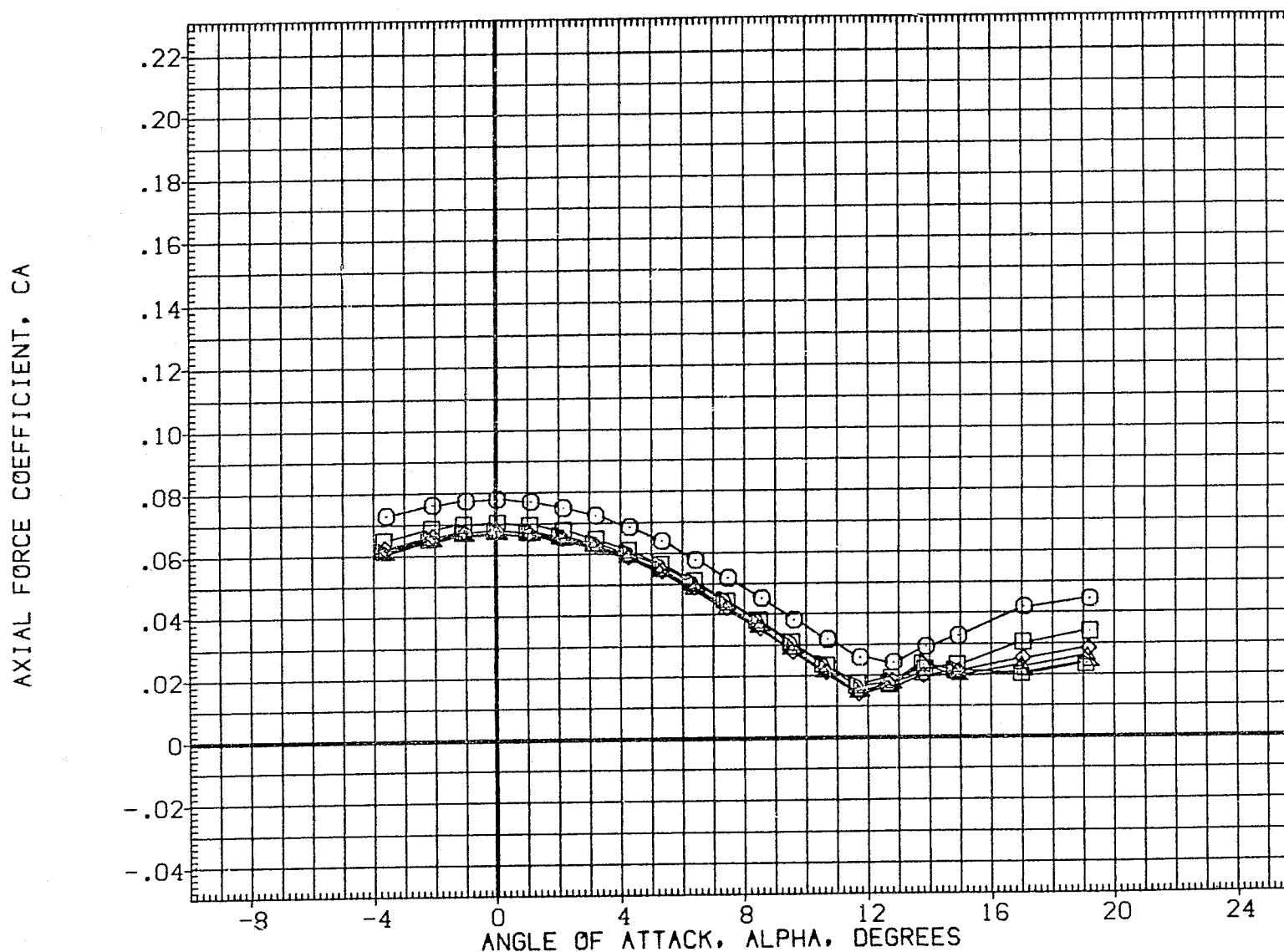


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

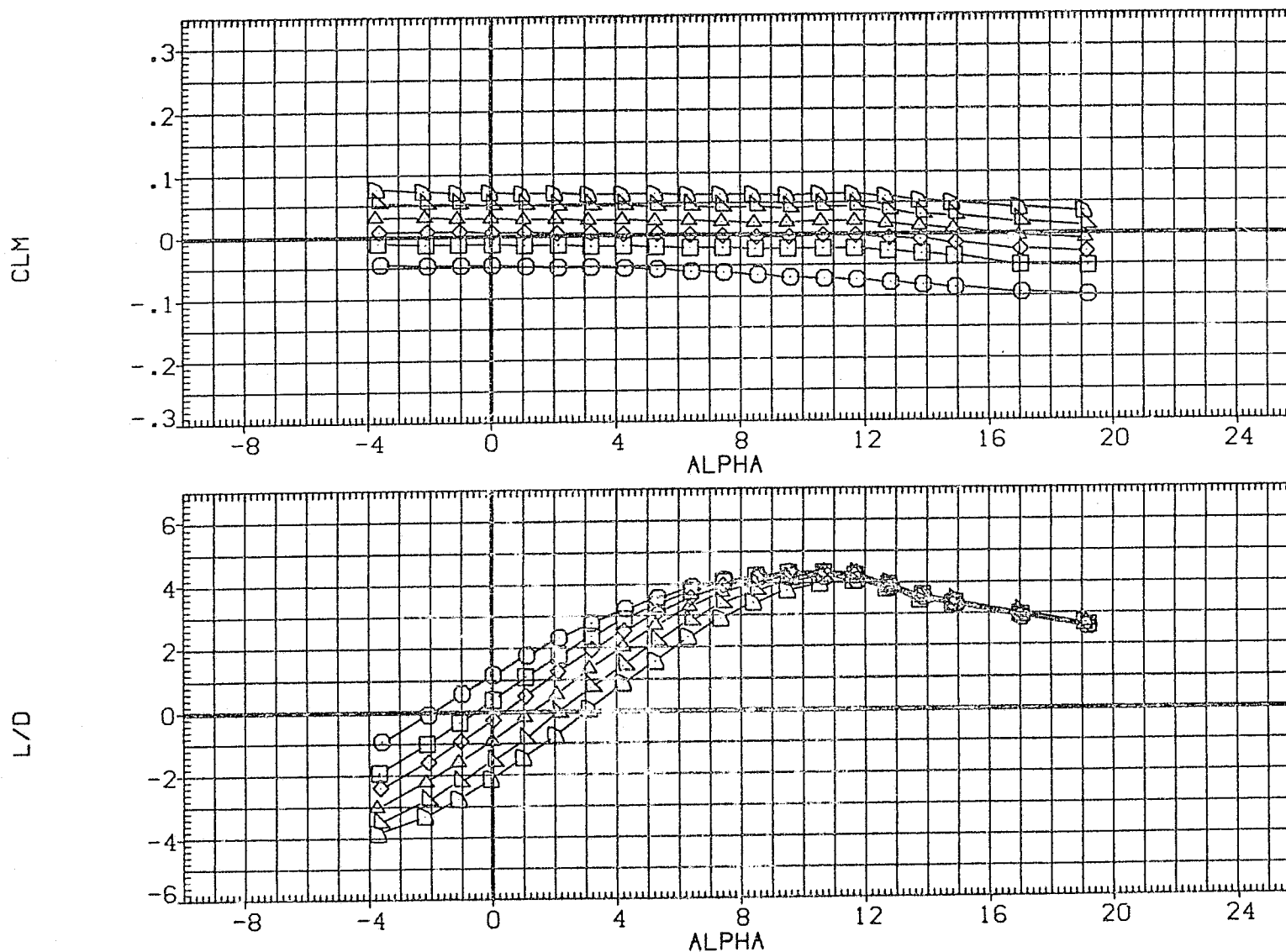


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AILRON	ELEVON	REFERENCE INFORMATION	
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	10.000	SREF	2690.0000 SQ.FT.
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	5.000	LREF	474.8000 INCHES
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	2.500	BREF	936.6800 INCHES
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	.000	XMRP	1076.7000 IN. X0
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-2.500	YMRP	.0000 IN. Y0
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-5.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

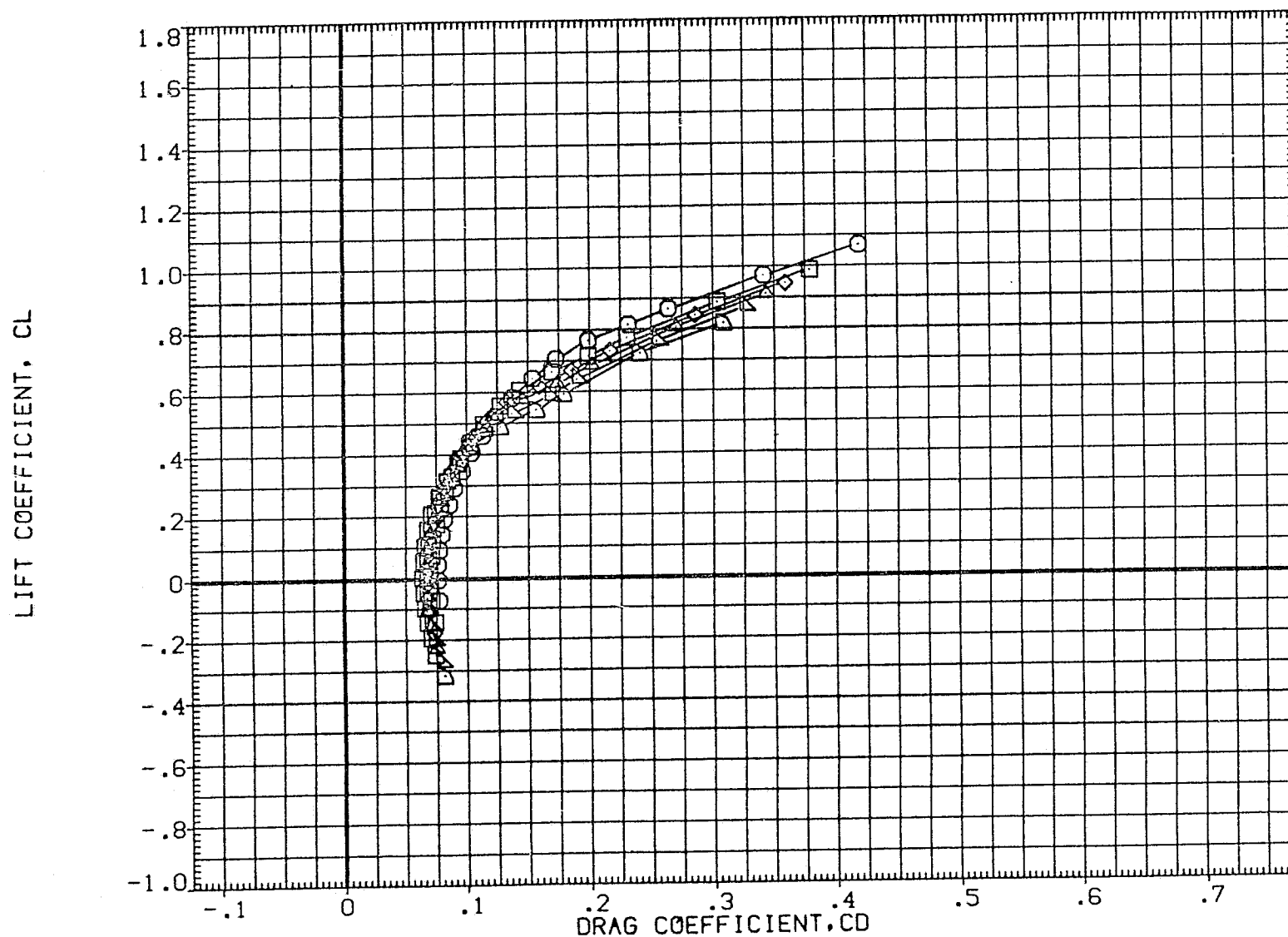


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

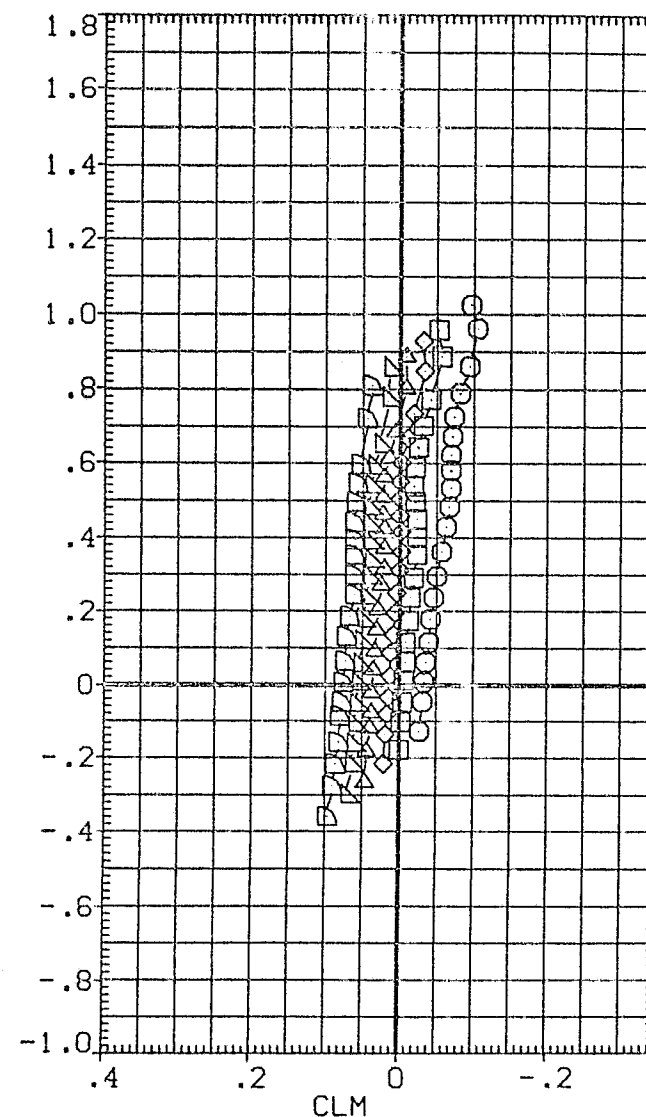
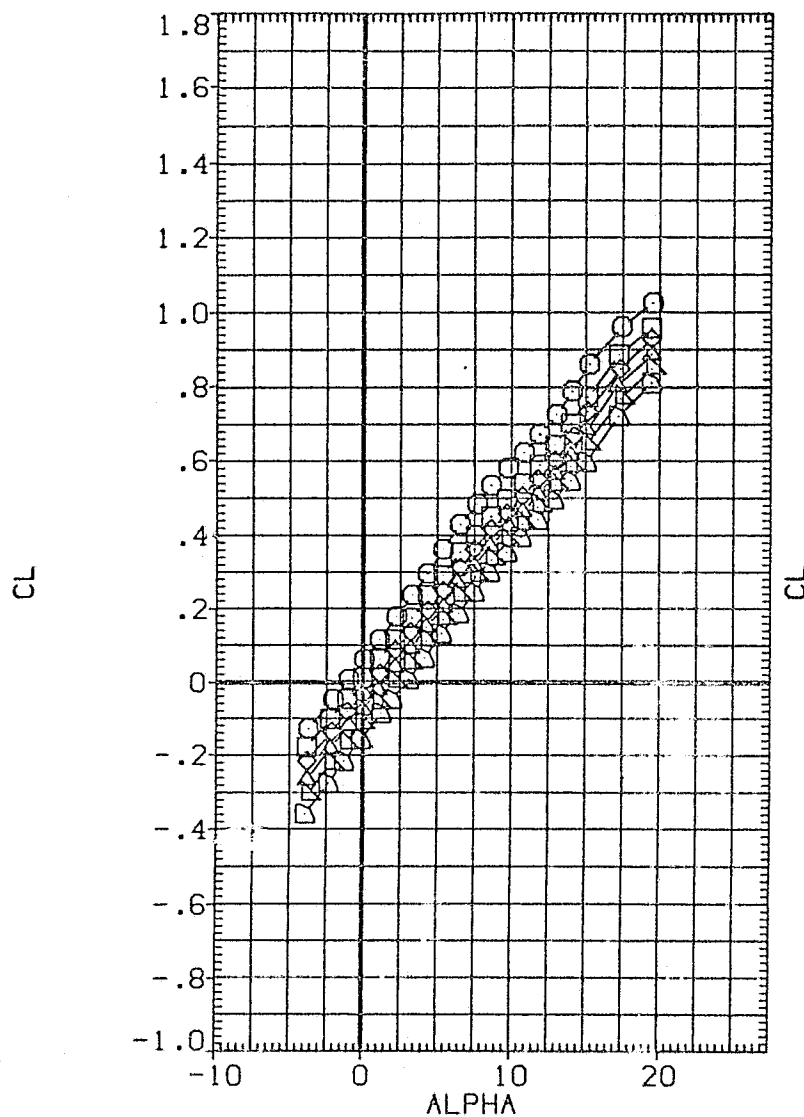


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

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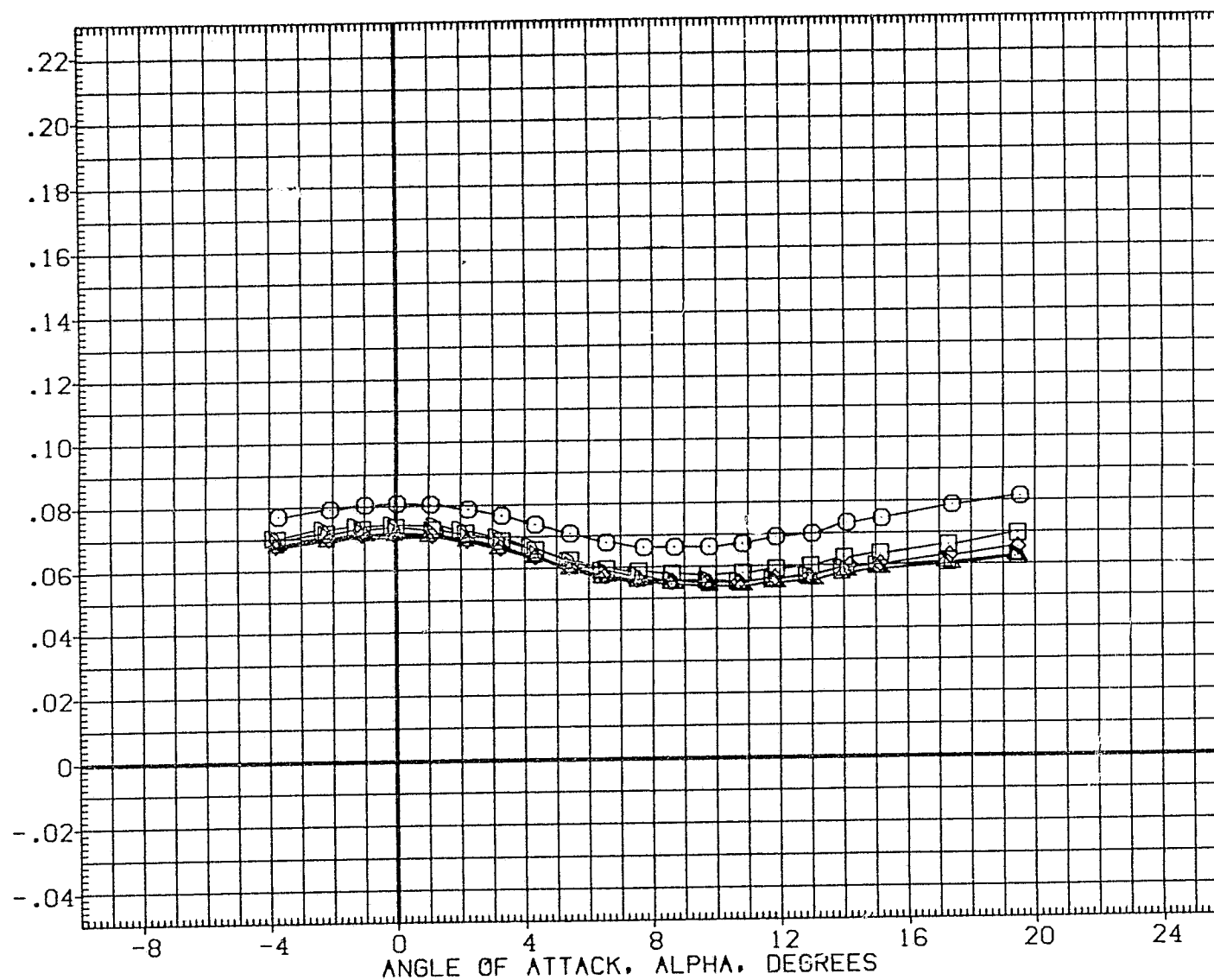


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

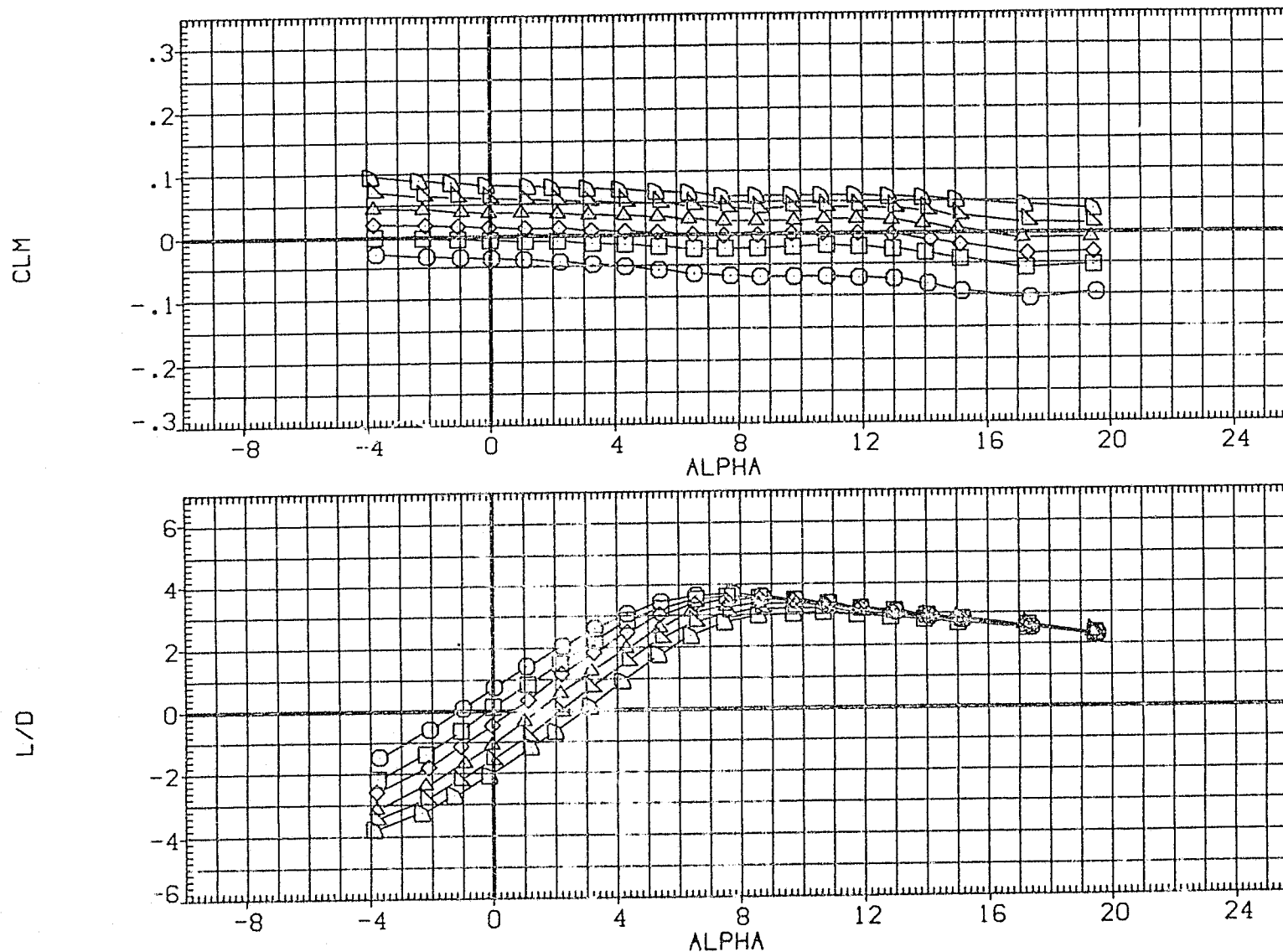


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

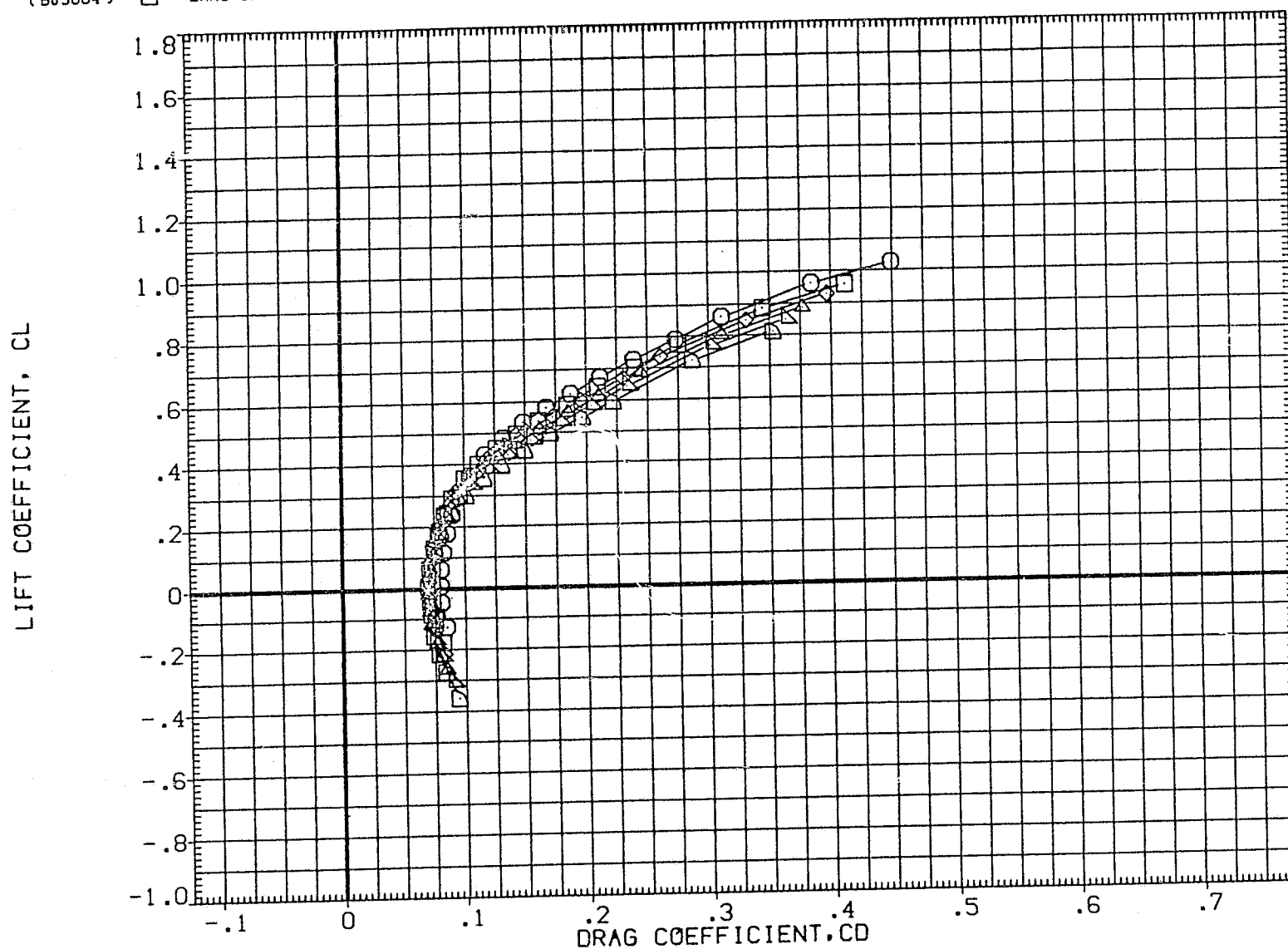


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

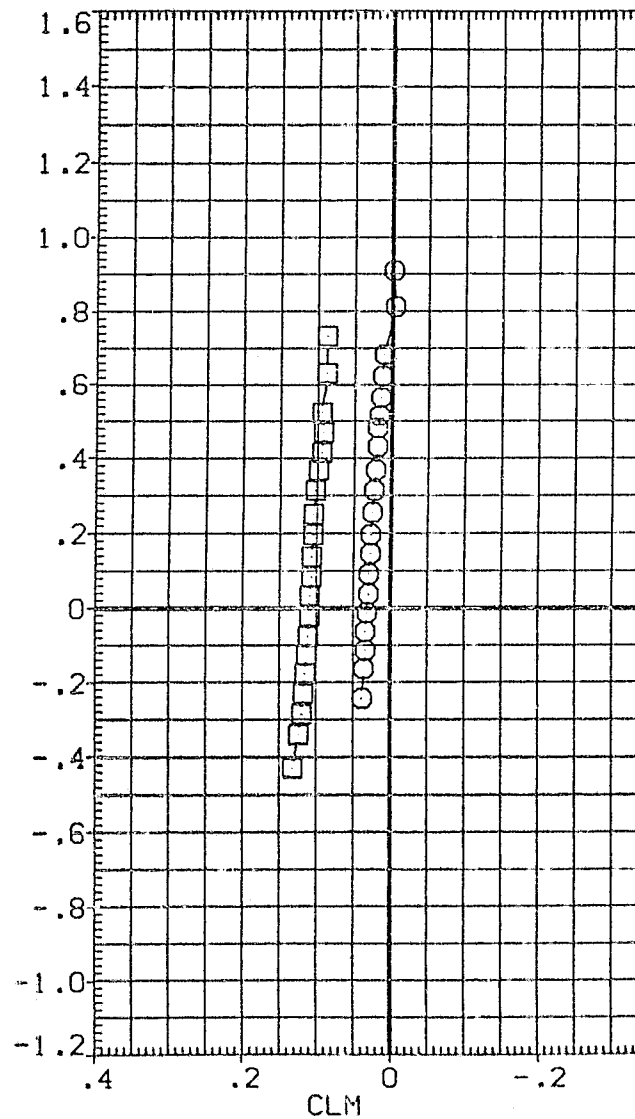
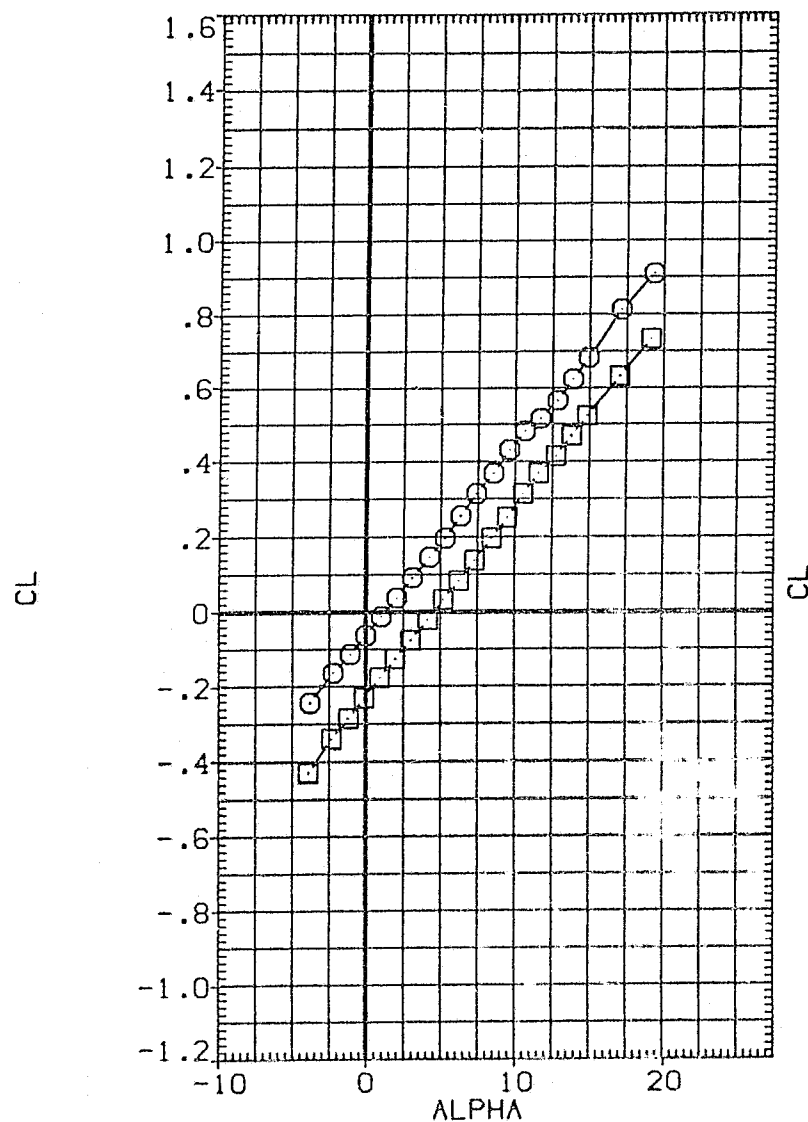


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AIRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. XO
YMRP	.0000 IN. YO
ZMRP	375.0000 IN. ZO
SCALE	.0150

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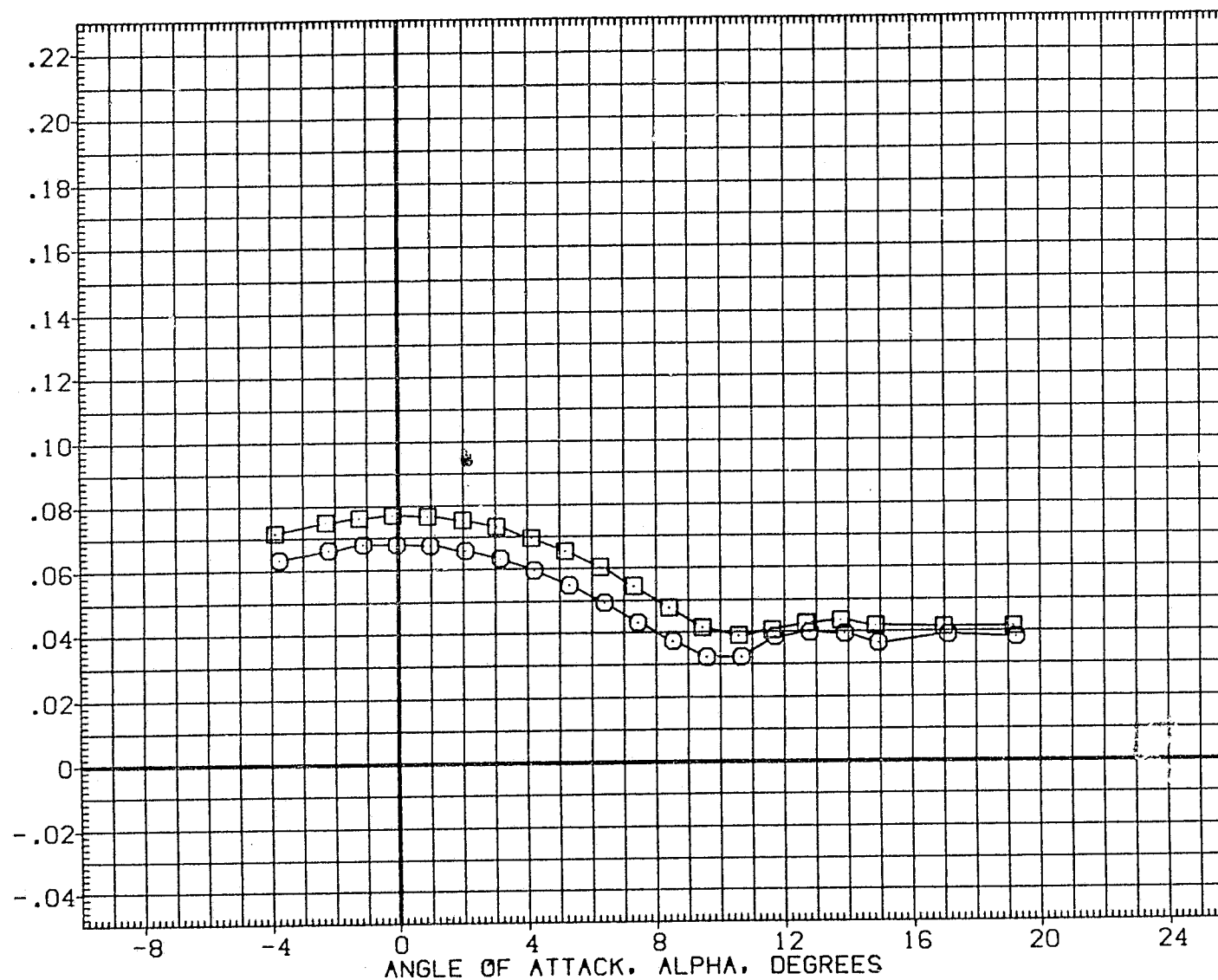


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

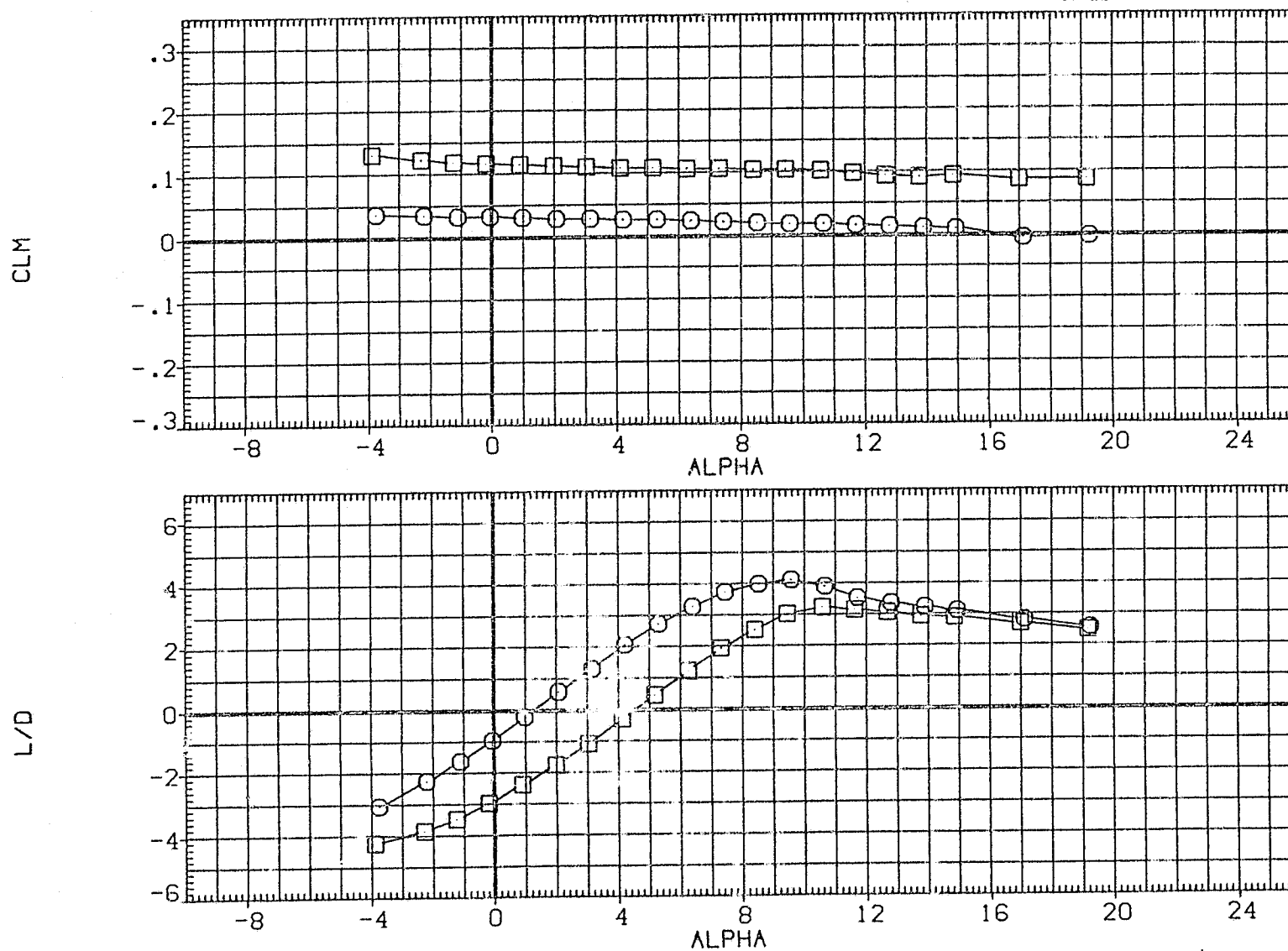


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3006) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3003) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	.000
.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

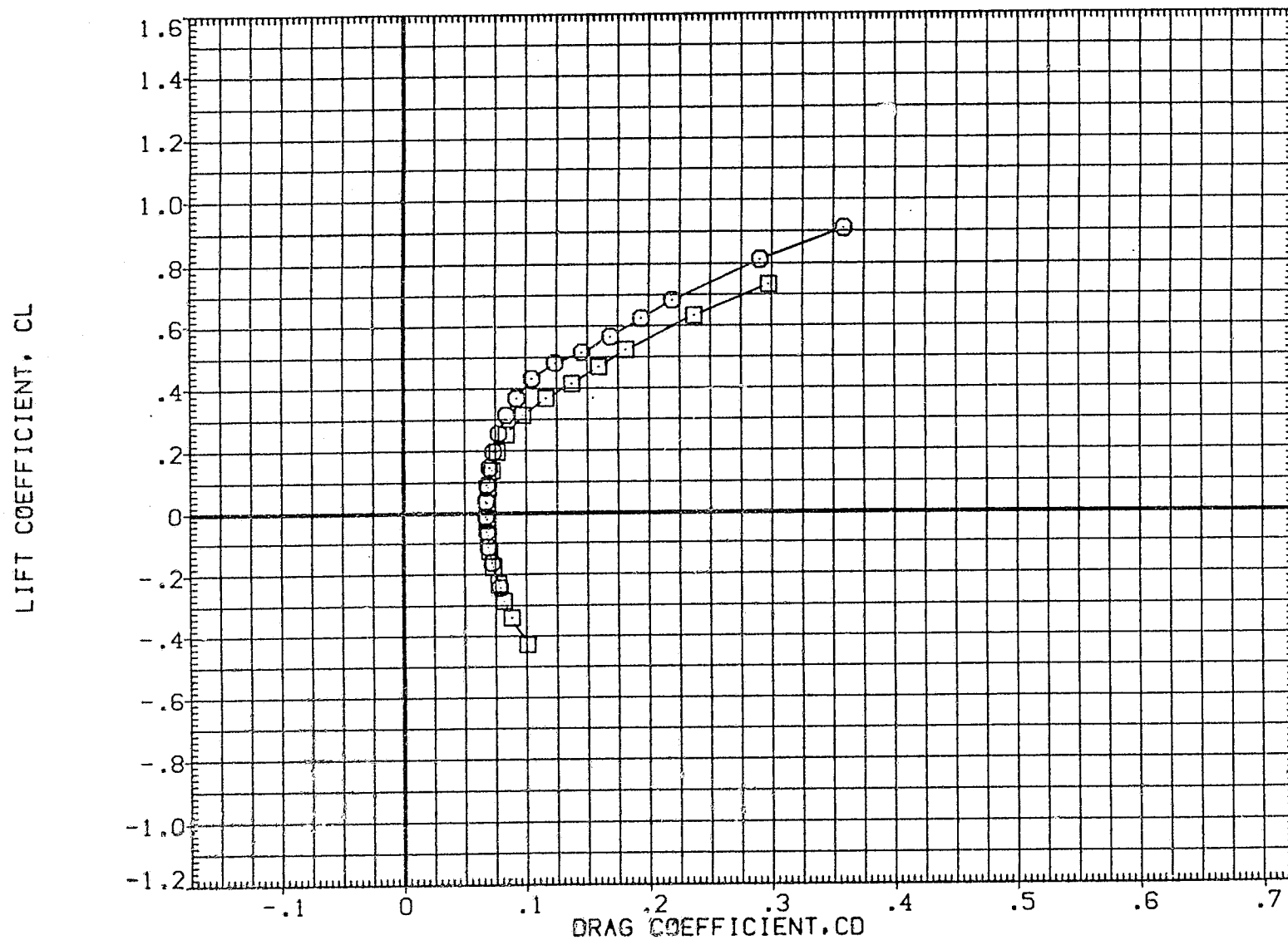


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .70

C.2

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN.Z0
SCALE	.0150	

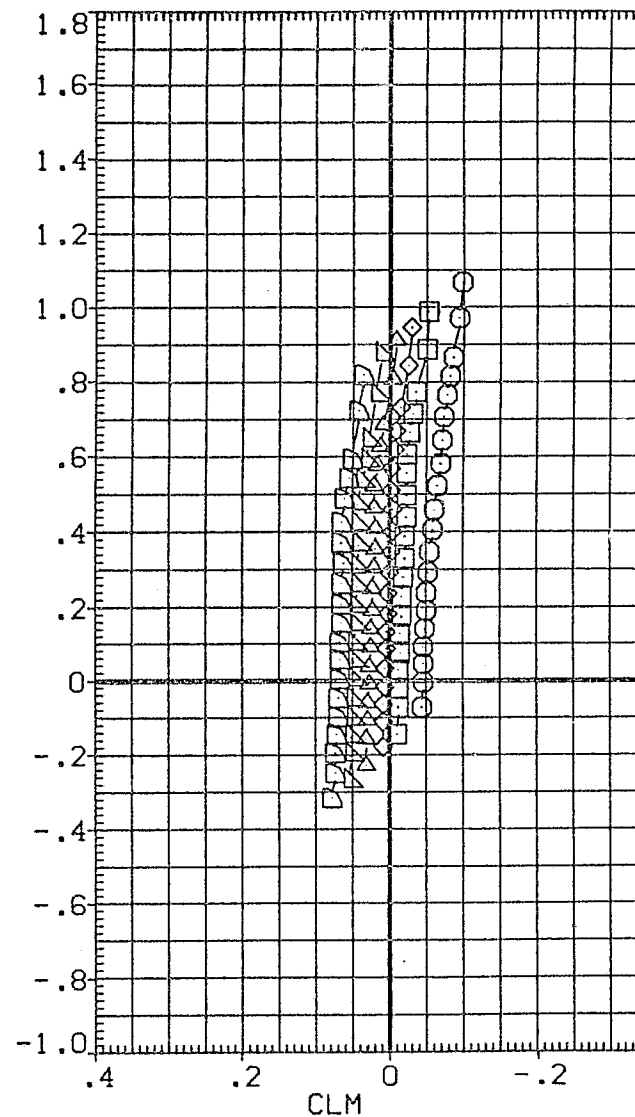
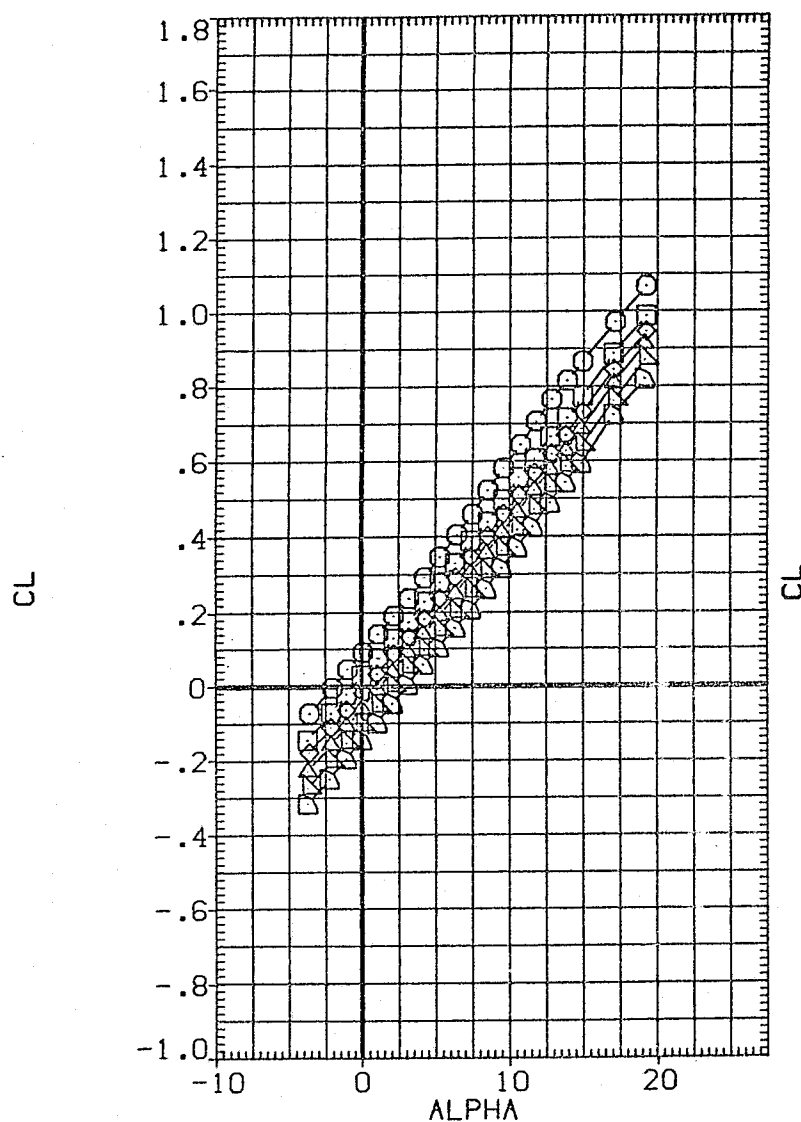


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

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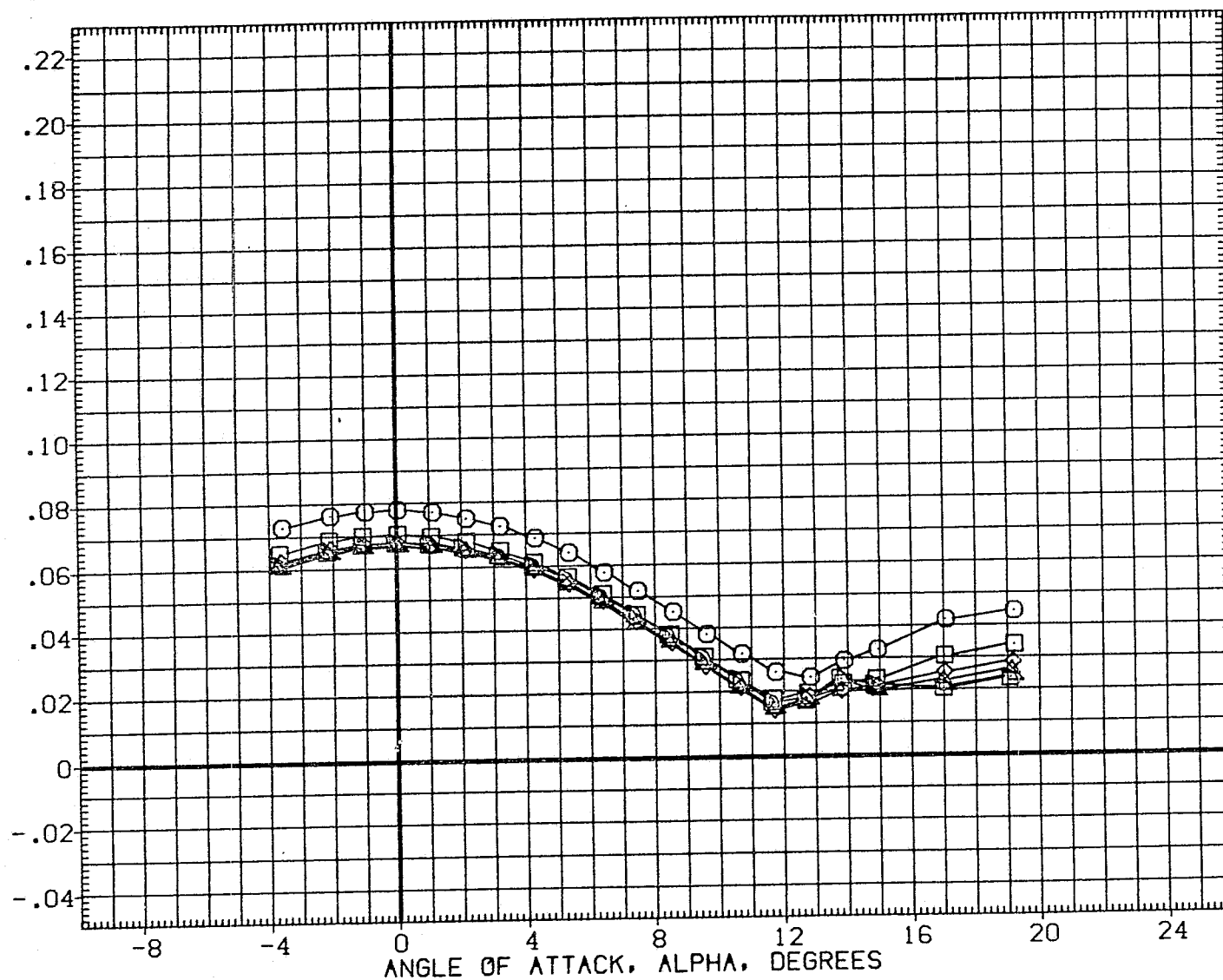


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON
.000	10.000
.000	5.000
.000	2.500
.000	.000
.000	-2.500
.000	-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

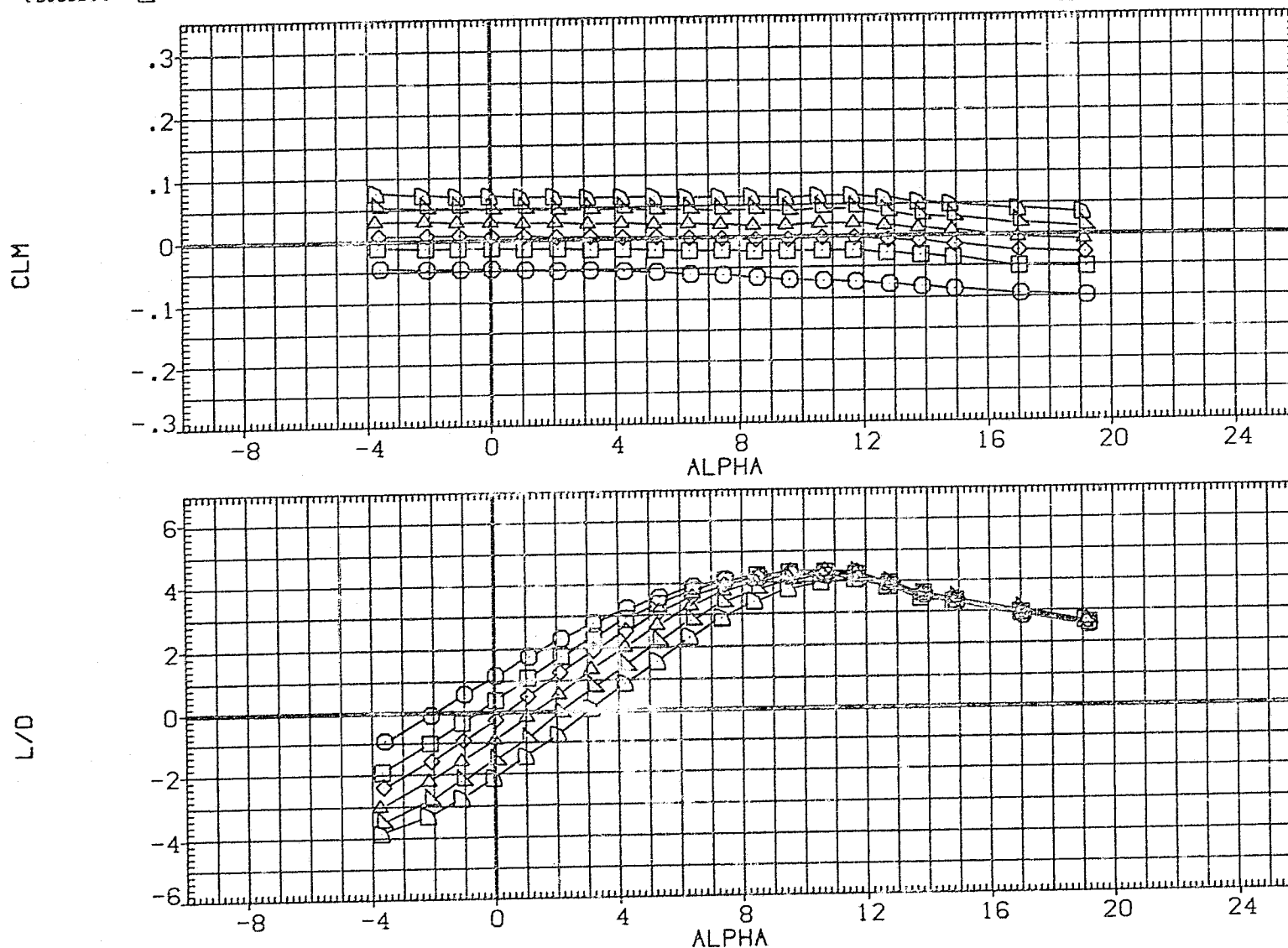


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	AILRON	ELEVON	REFERENCE INFORMATION	
(BJ3009)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	10.000	SREF	2690.0000 SQ.FT.
(BJ3008)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	5.000	LREF	474.8000 INCHES
(BJ3007)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	2.500	BREF	936.6800 INCHES
(BJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	.000	XMRP	1076.7000 IN. X0
(BJ3005)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-2.500	YMRP	.0000 IN. Y0
(BJ3004)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	-5.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

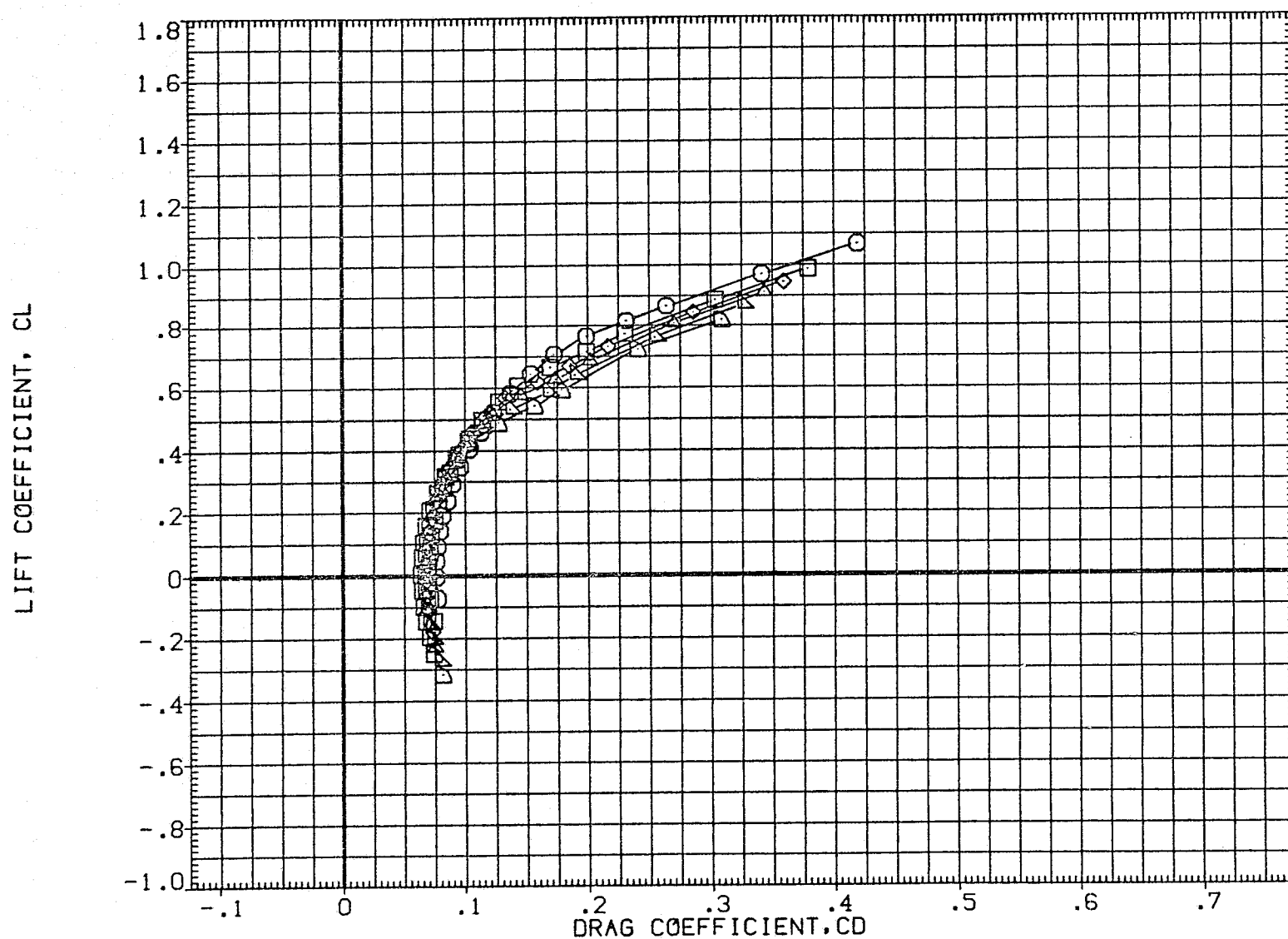


FIGURE 5. ELEVON CONTROL EFFECTIVENESS FOR BASELINE ORBITER
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
 .000
 -10.000
 -15.000
 -20.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

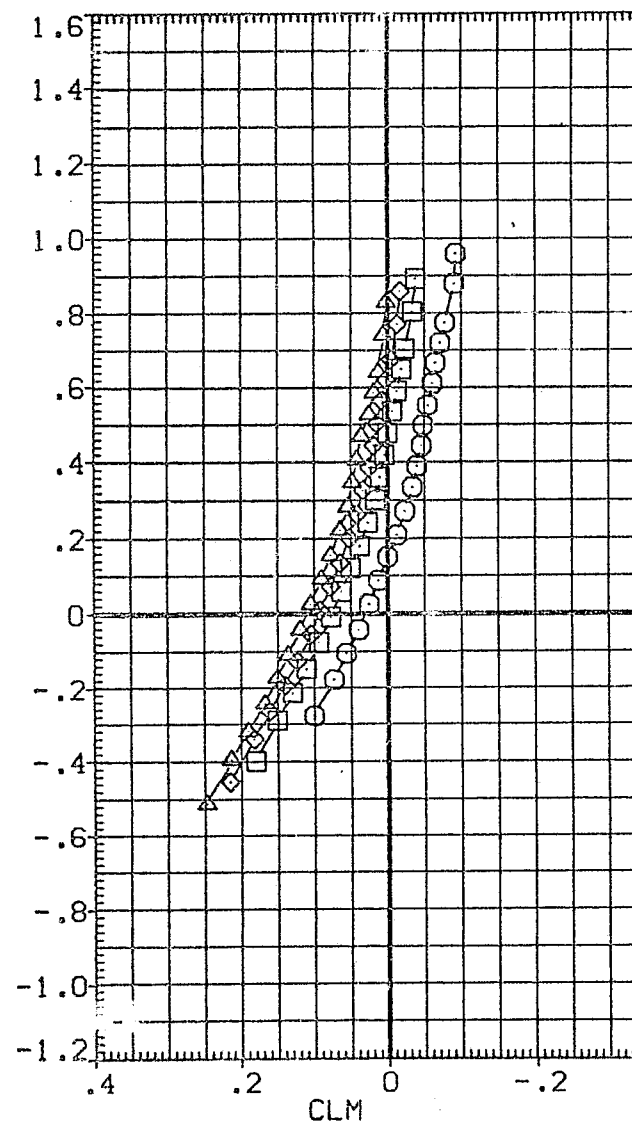
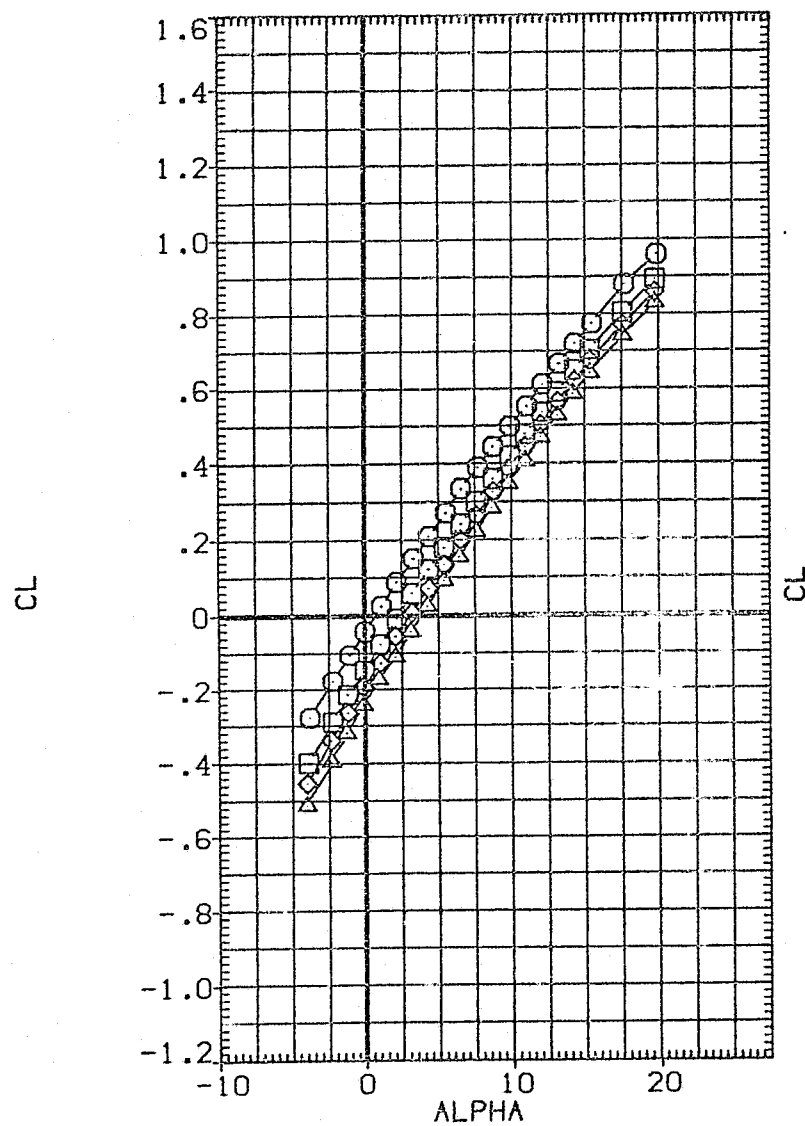


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
.000
-10.000
-15.000
-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

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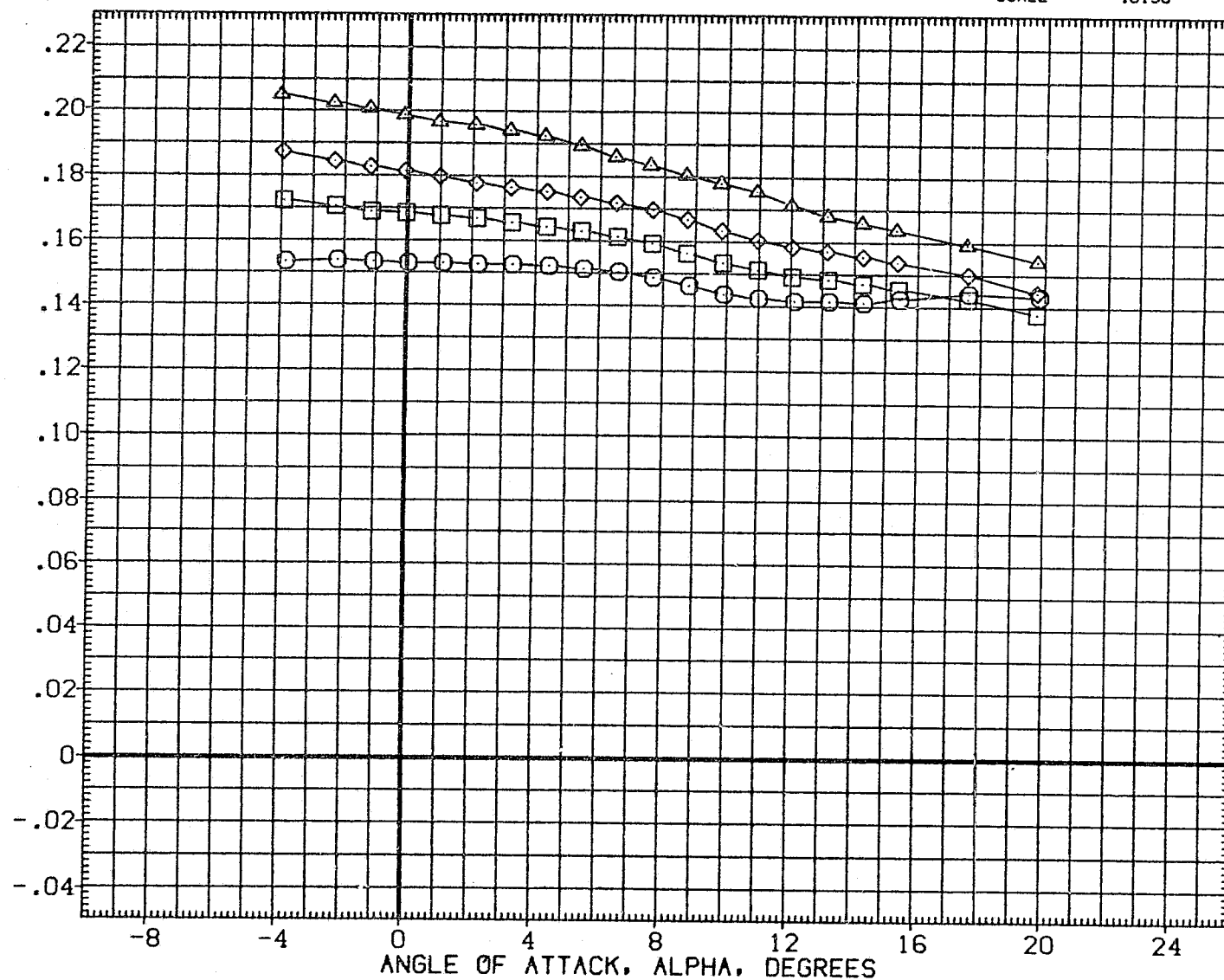


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
.000
-10.000
-15.000
-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

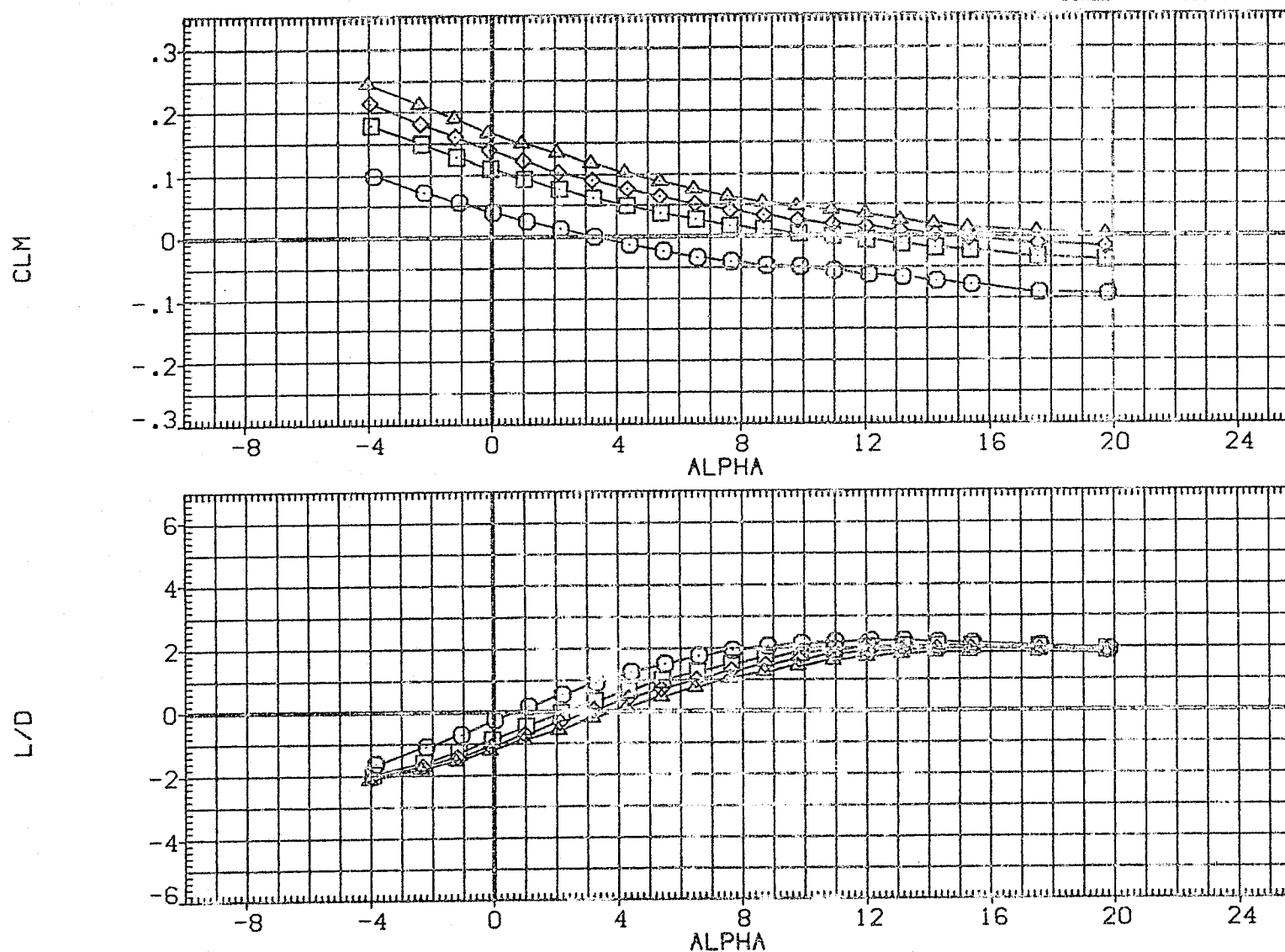


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A) MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3014) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3012) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3011) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3010) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON

.000
 -10.000
 -15.000
 -20.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. XO
 YMRP .0000 IN. YO
 ZMRP 375.0000 IN. ZO
 SCALE .0150

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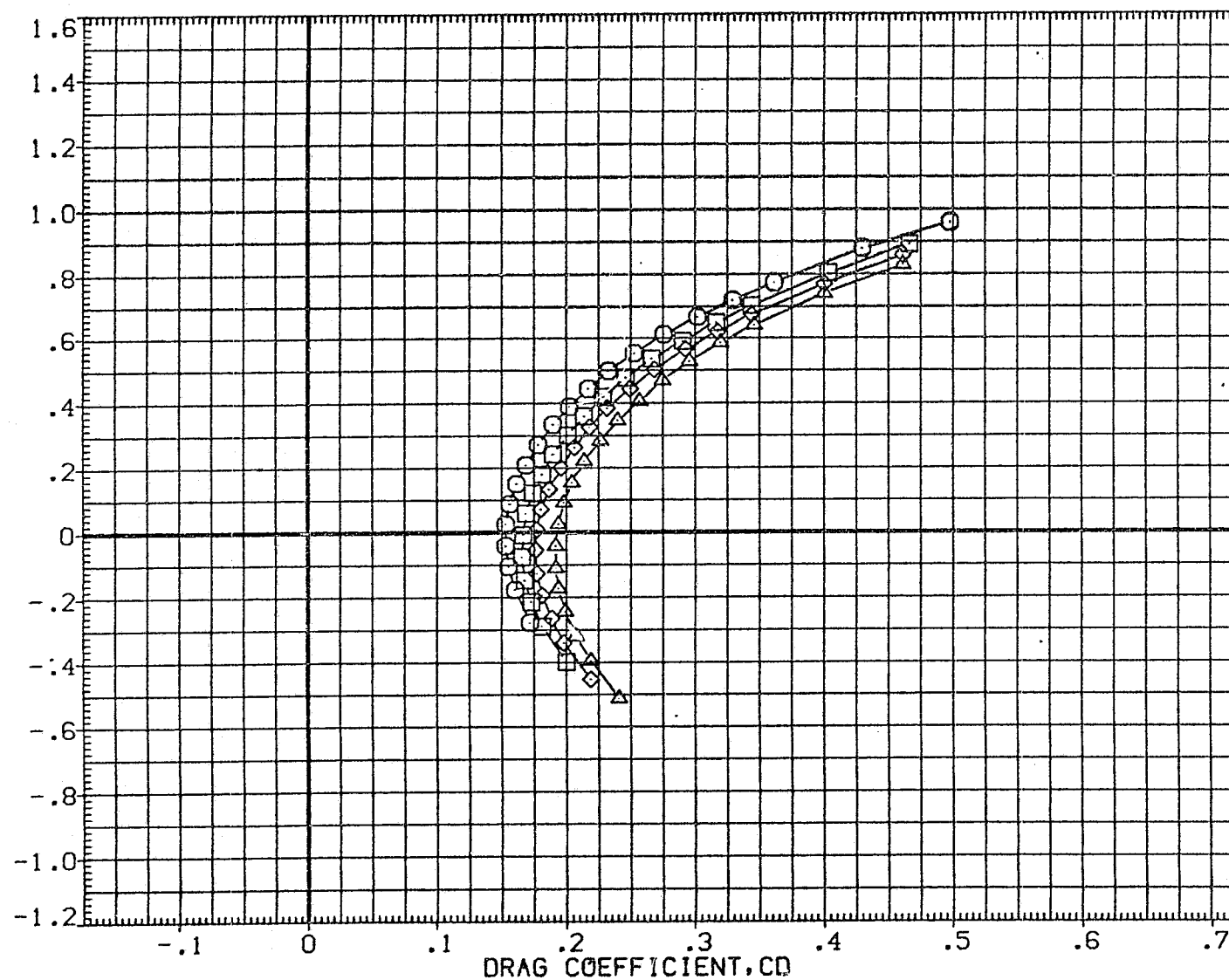


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 110C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

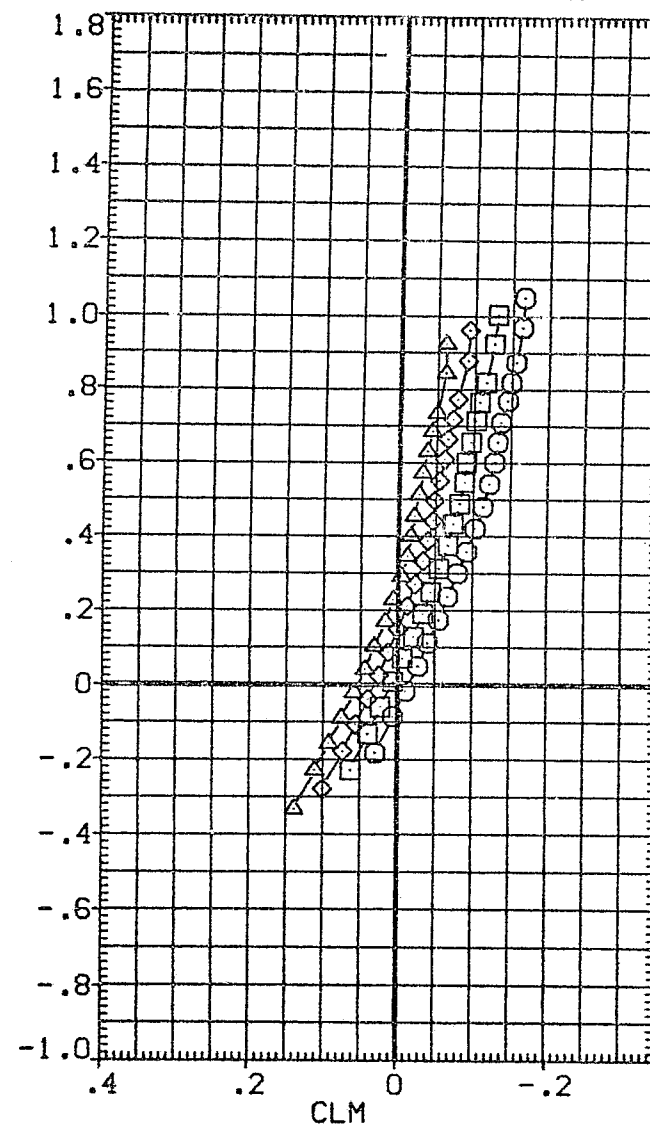
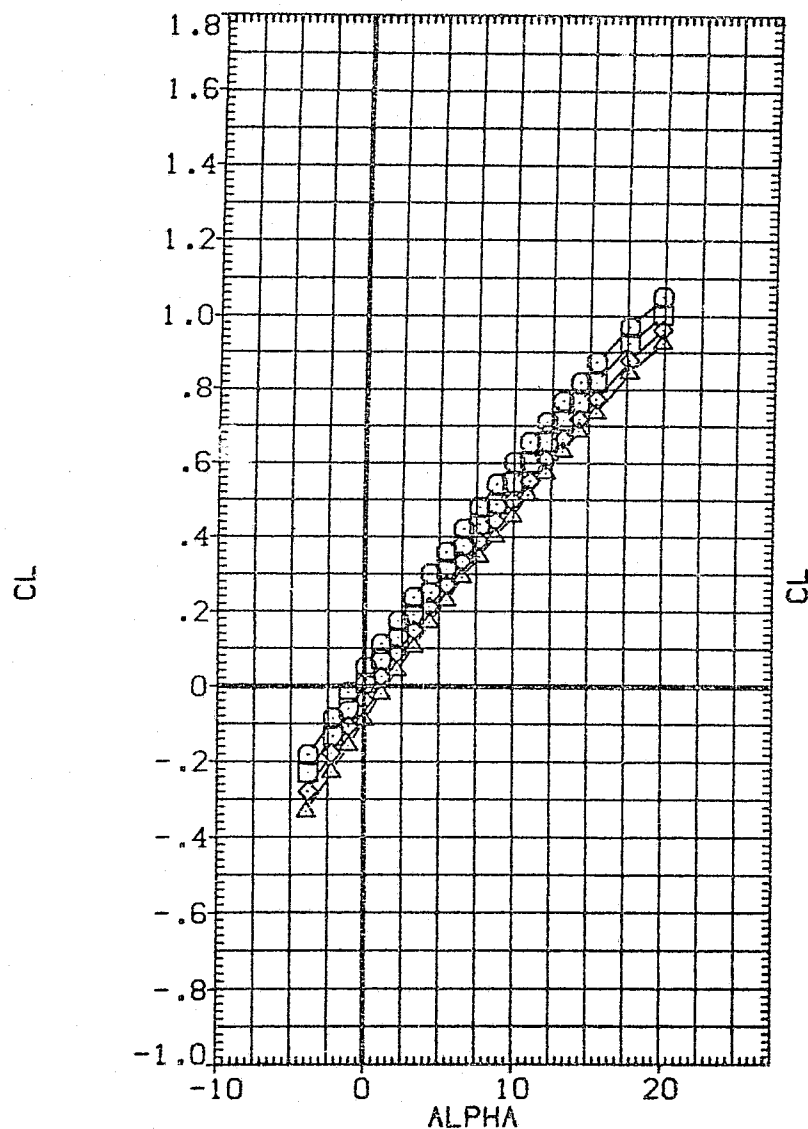


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	50 FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

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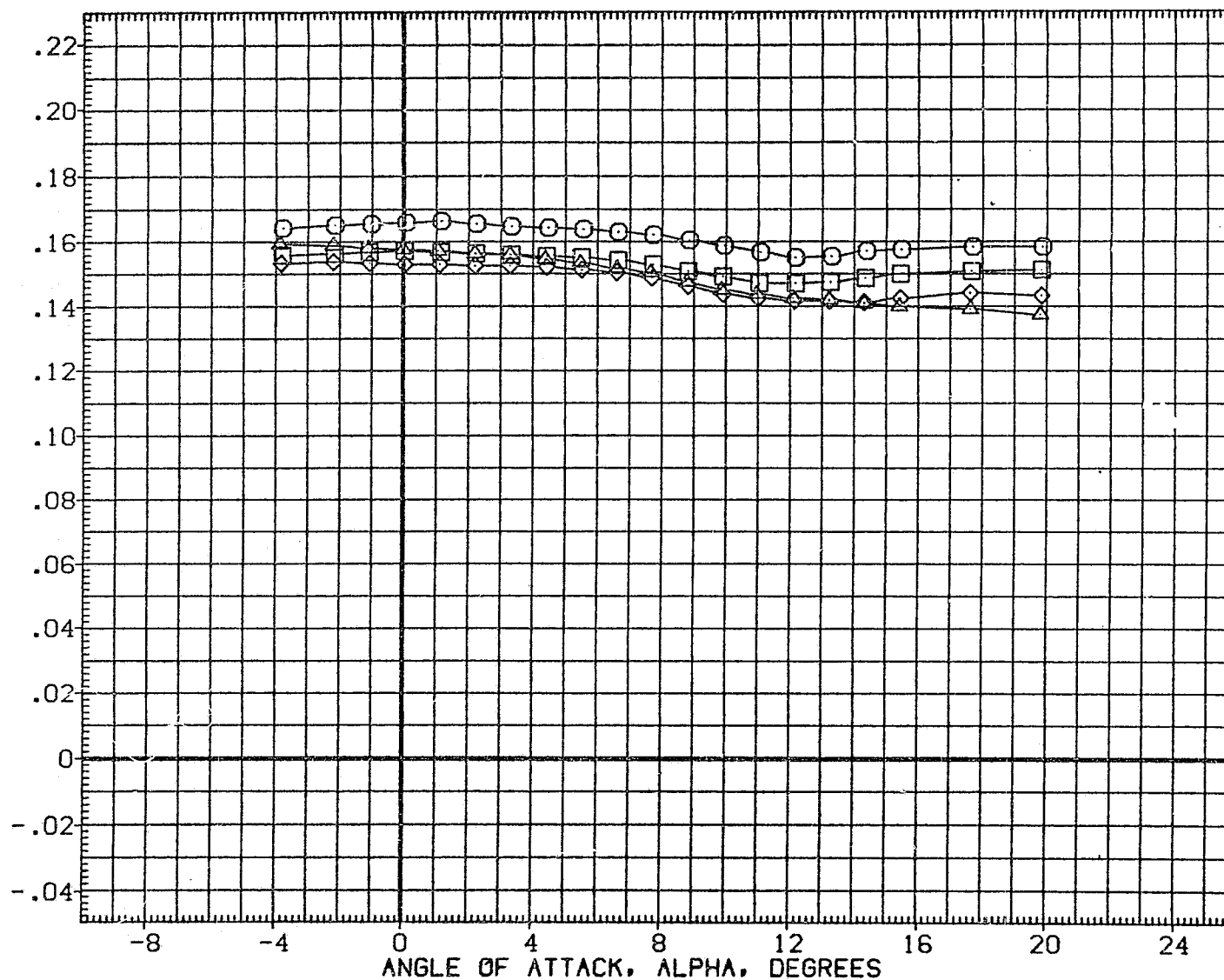


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

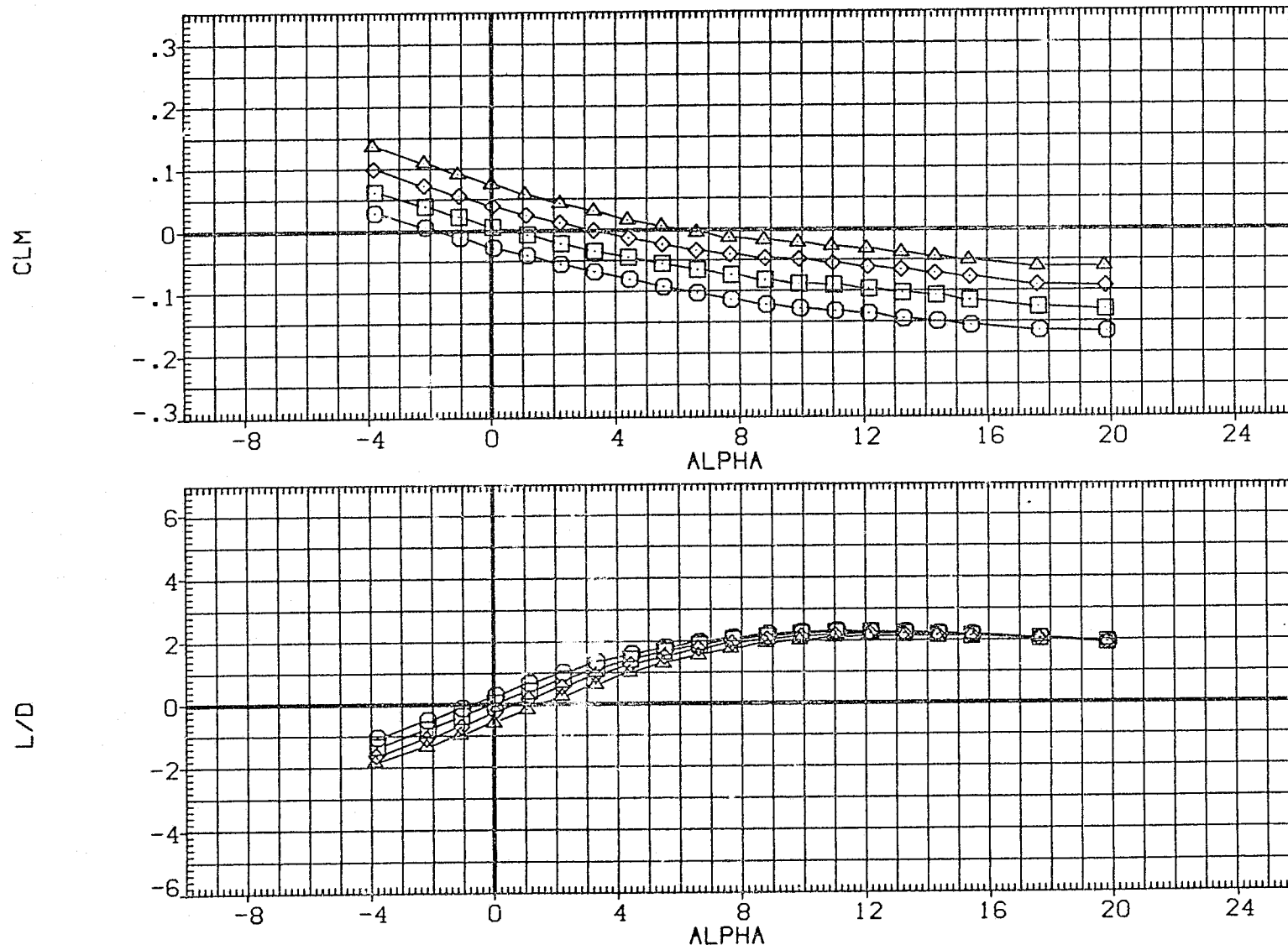


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

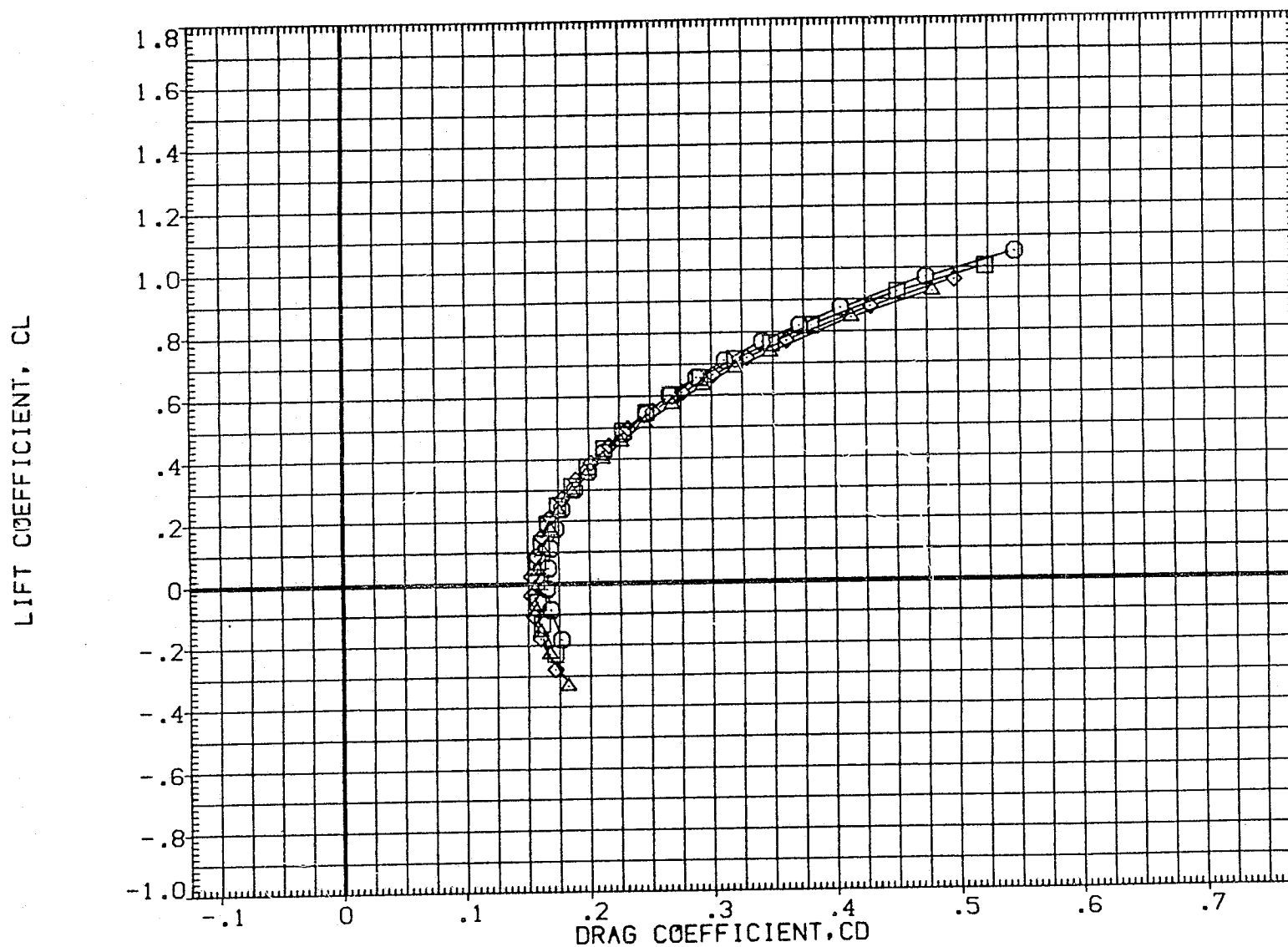


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	DATA NOT AVAILABLE

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

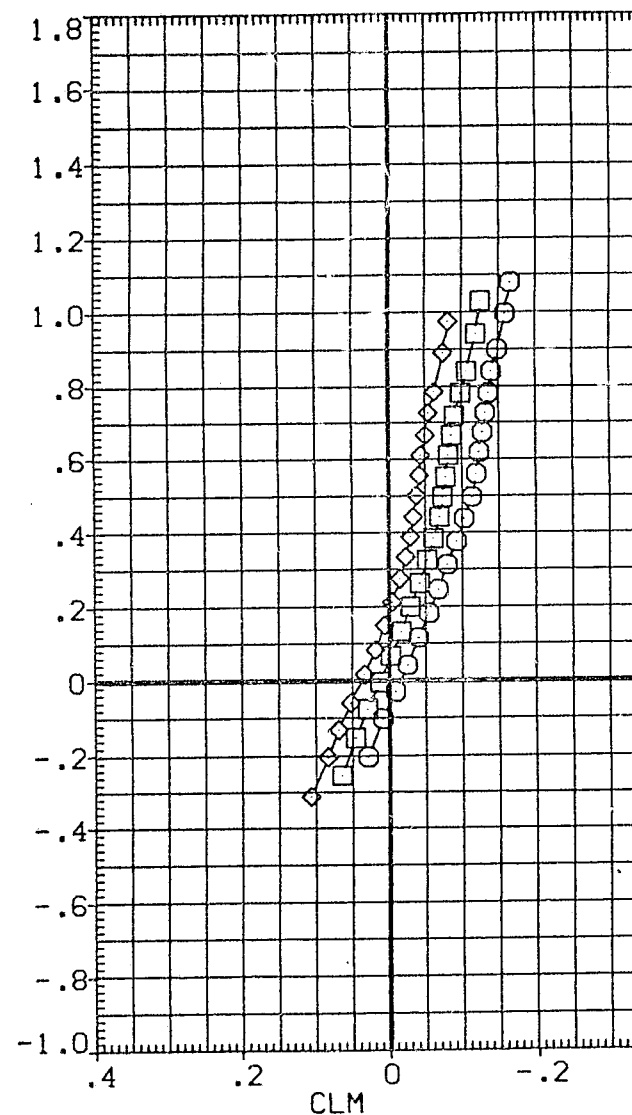
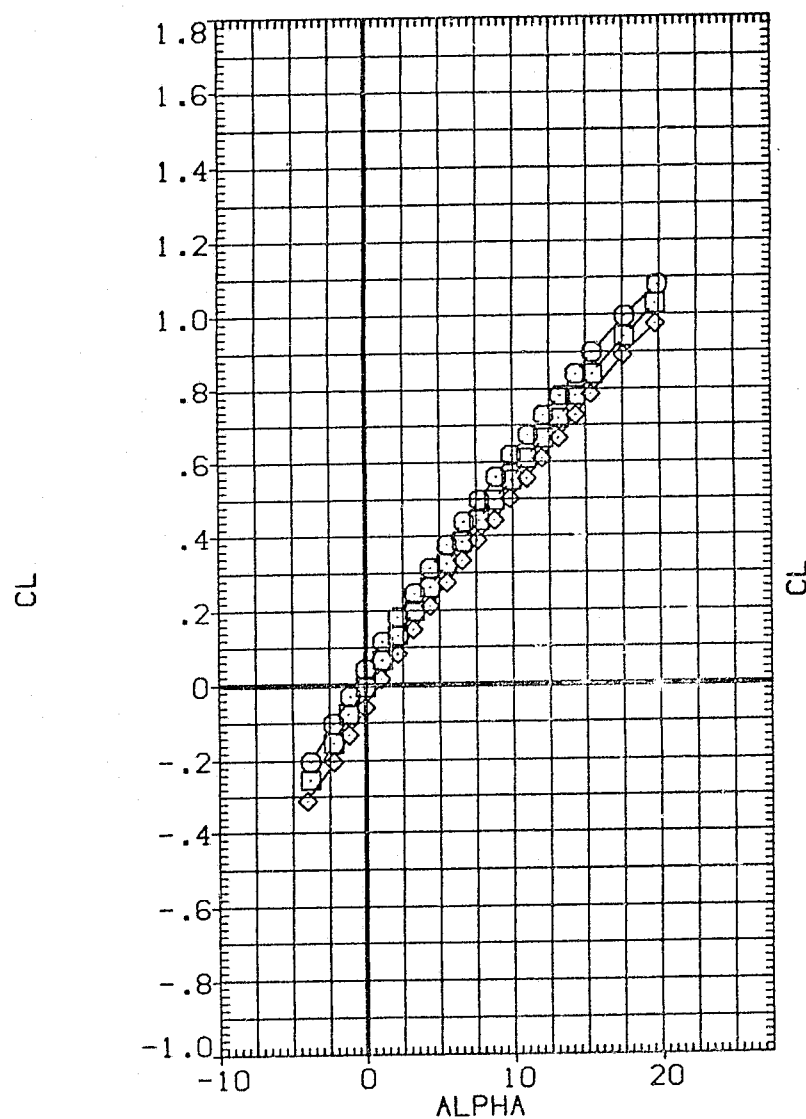


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	DATA NOT AVAILABLE

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

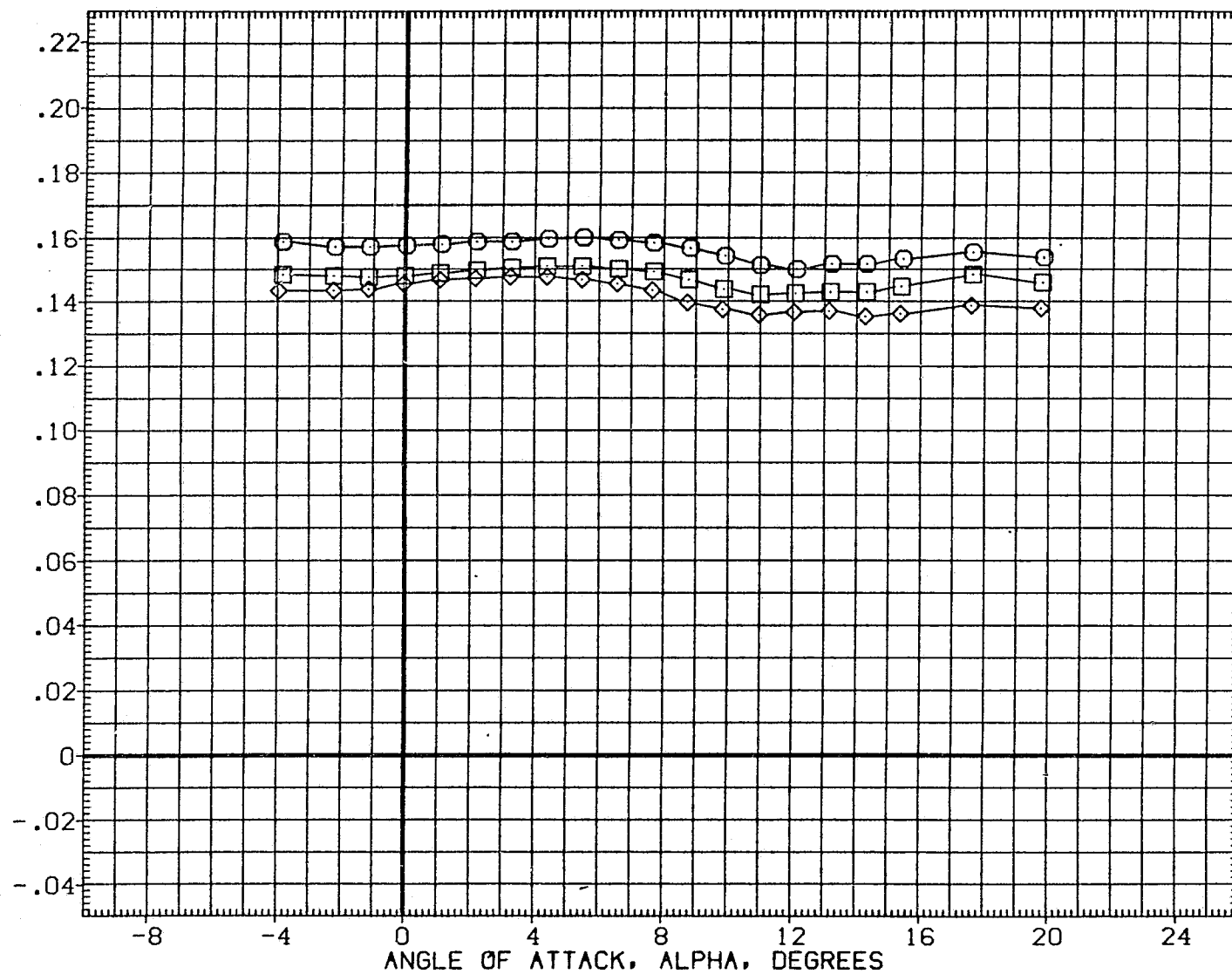


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	DATA NOT AVAILABLE

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

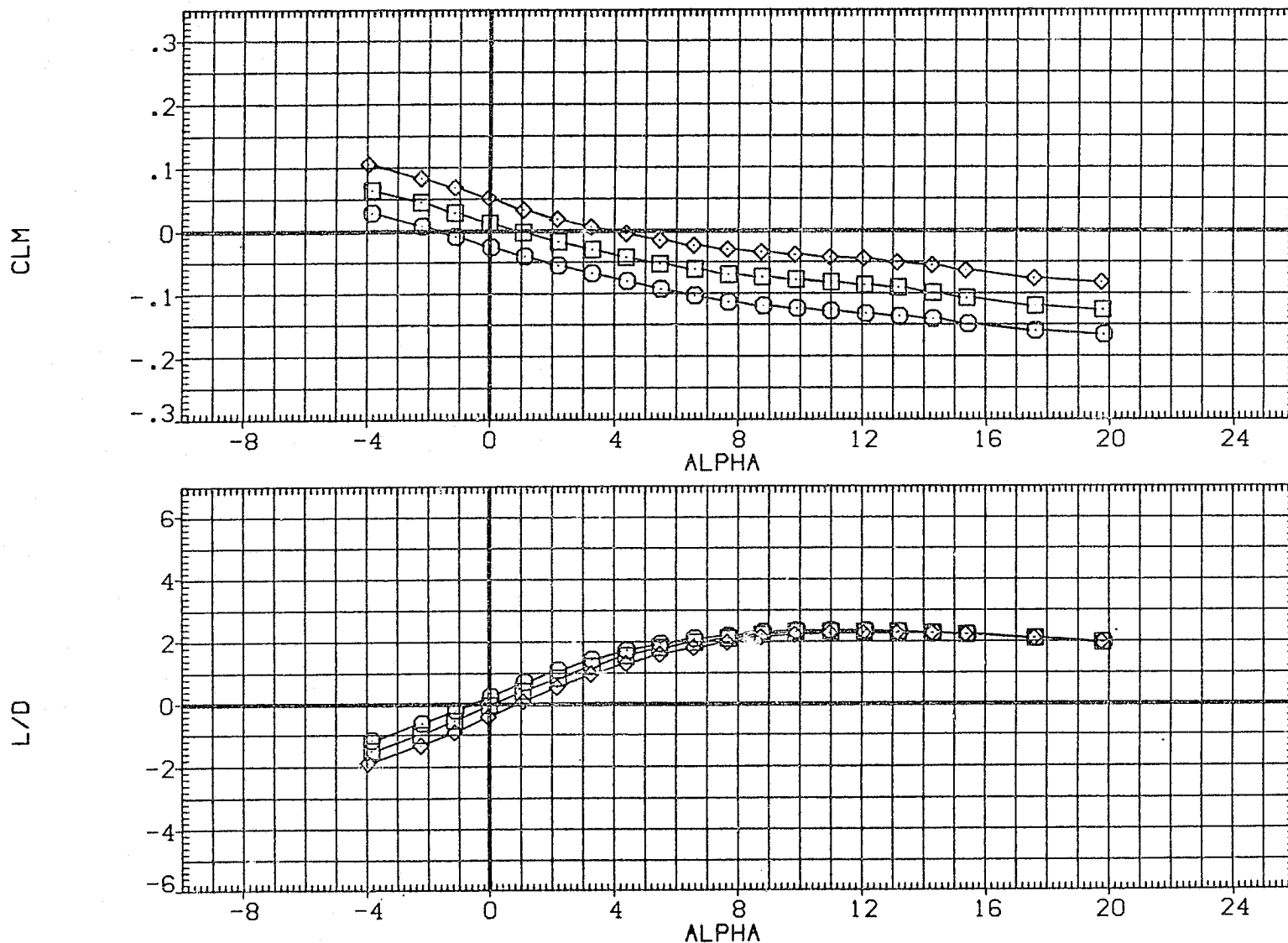


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	DATA NOT AVAILABLE

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

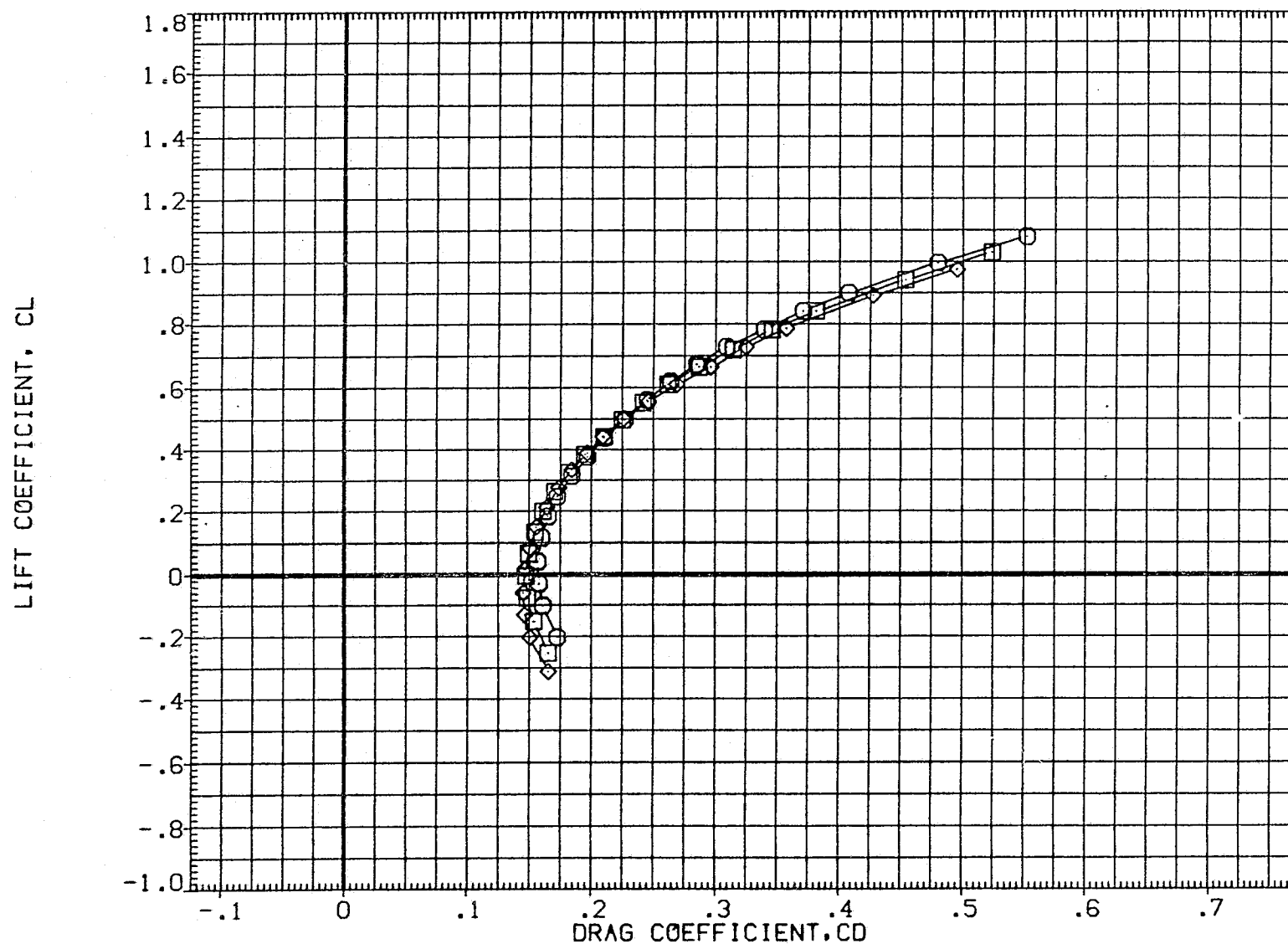


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

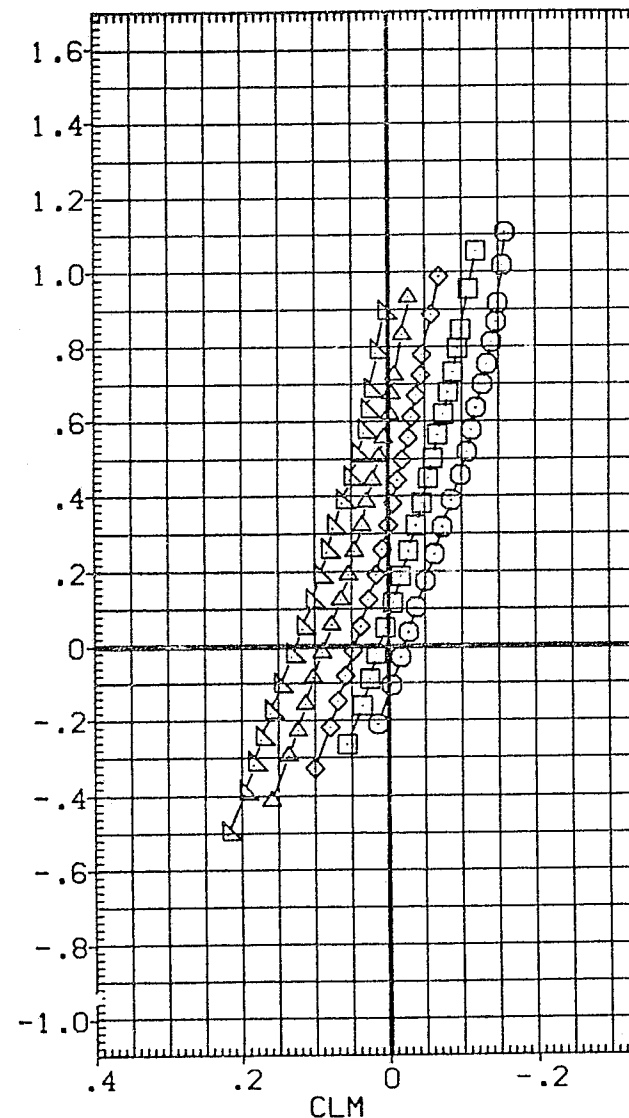
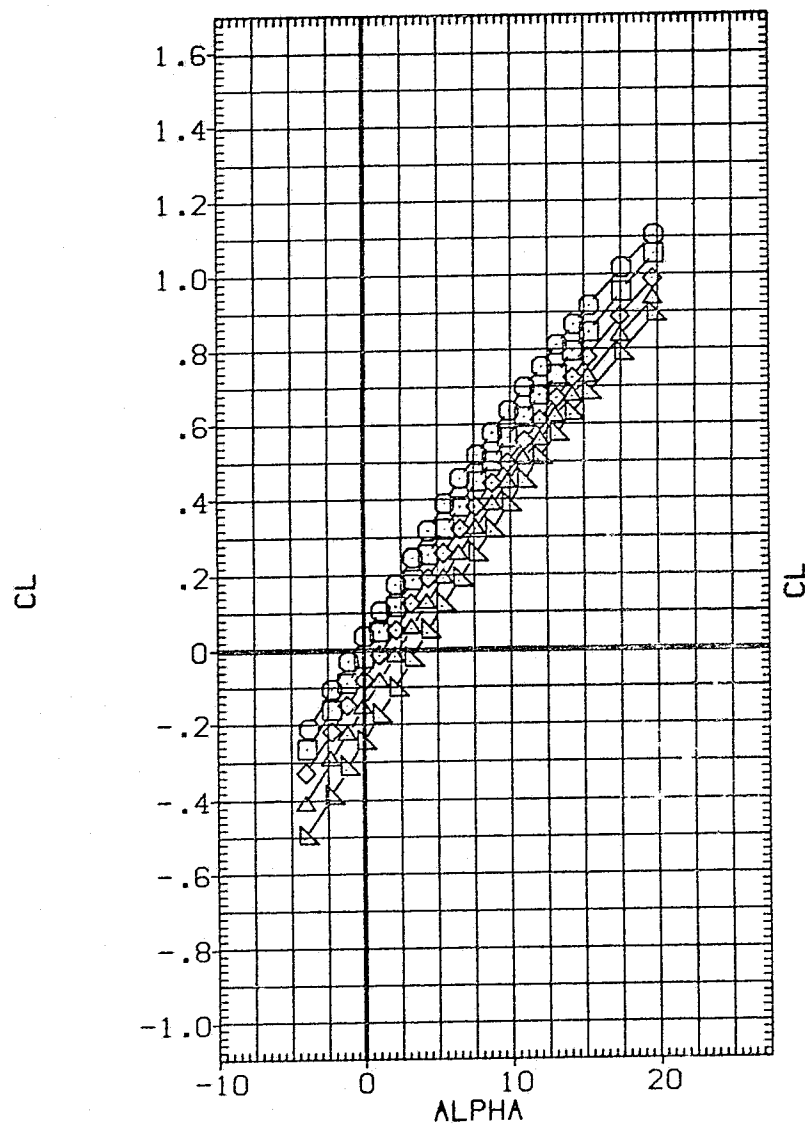


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
0.000
-5.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

AXIAL FORCE COEFFICIENT, CA

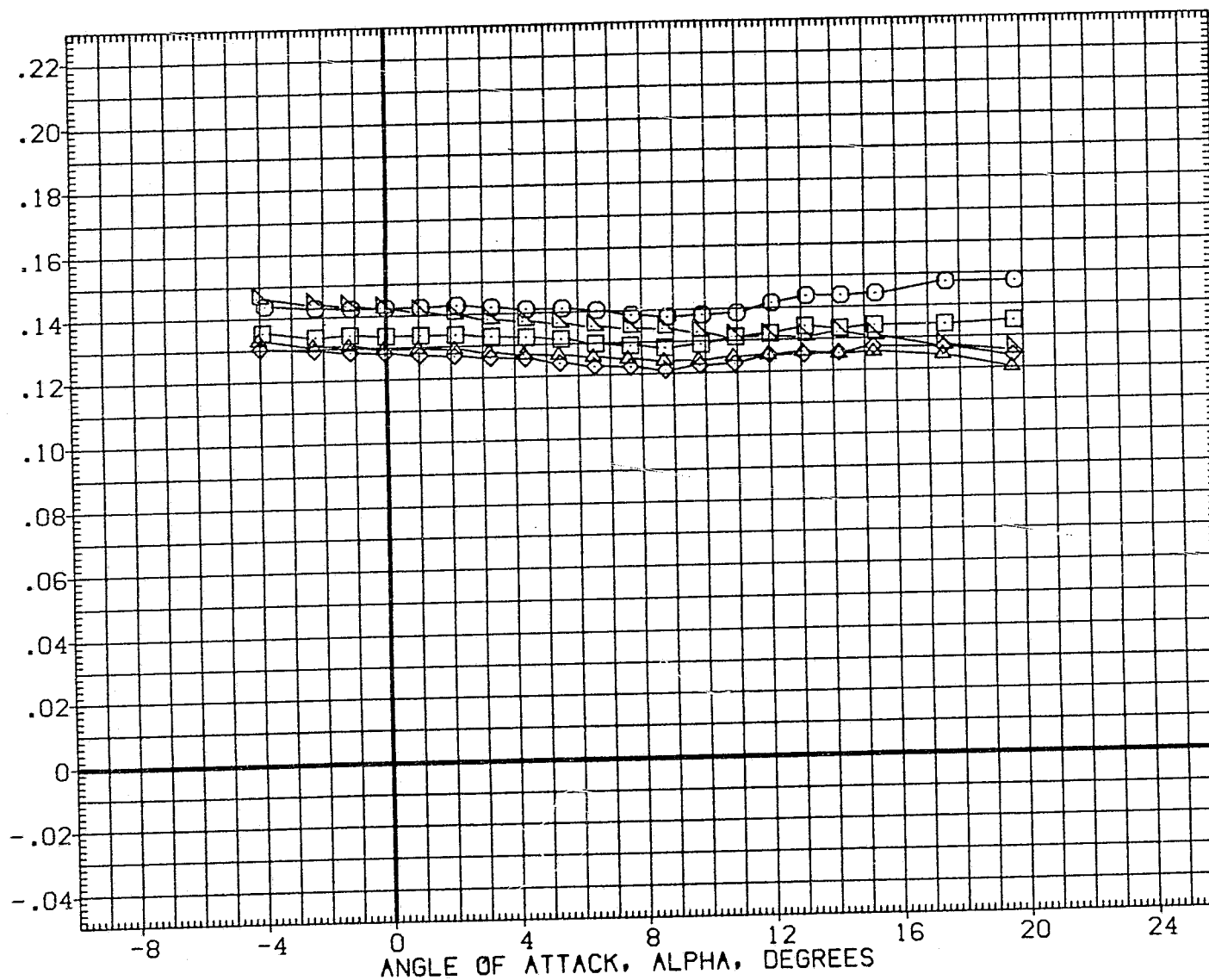


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

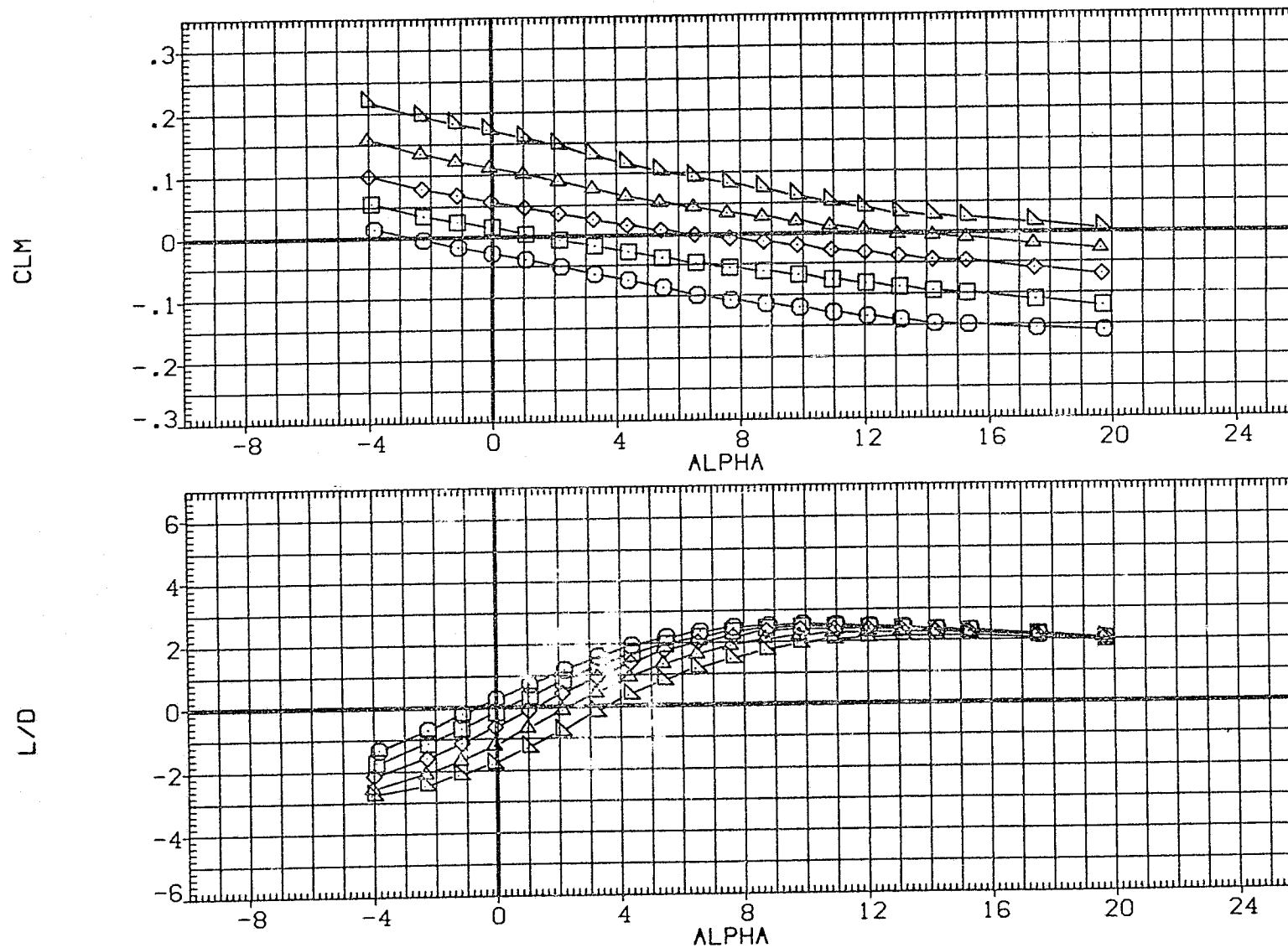


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
 (A) MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

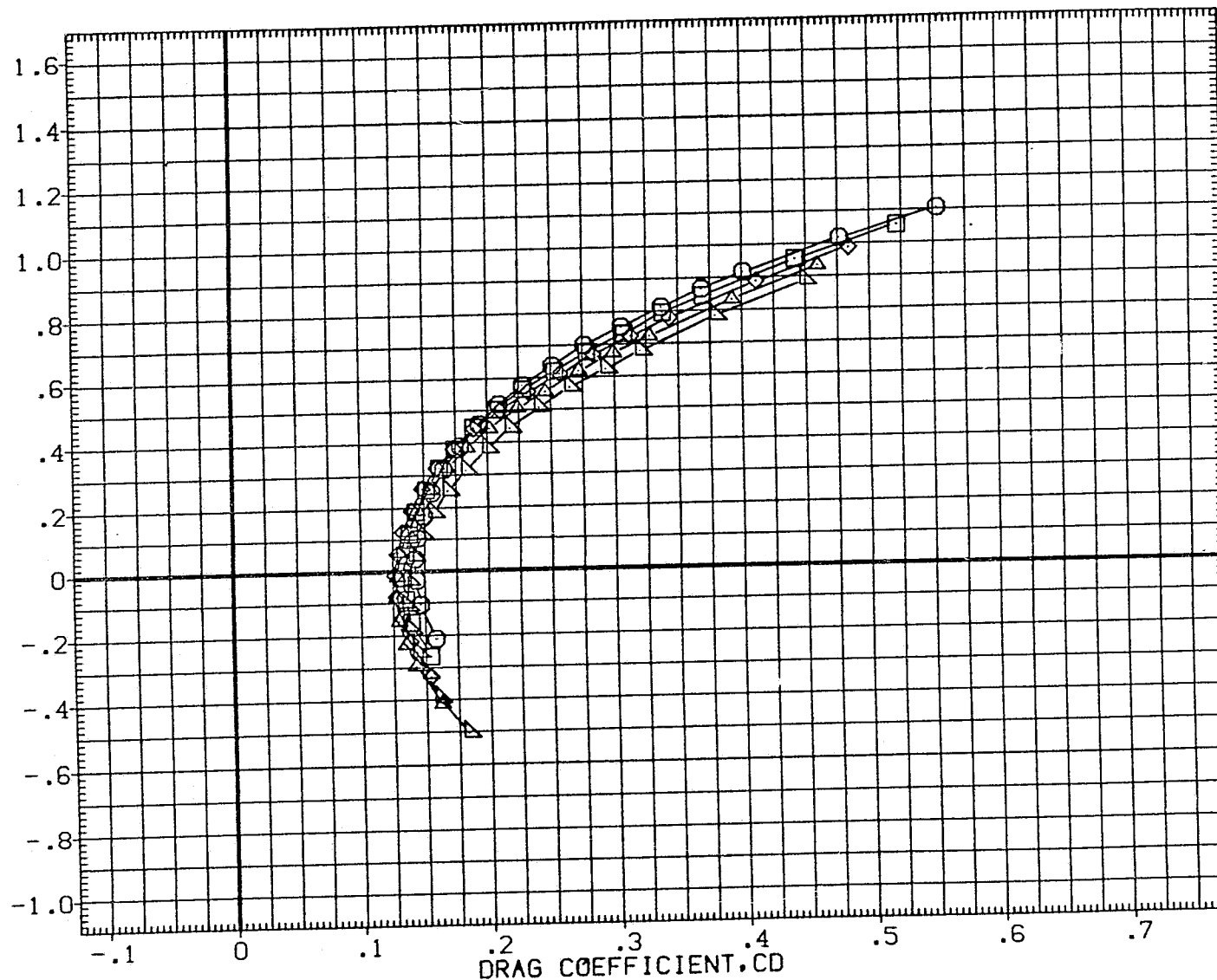


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

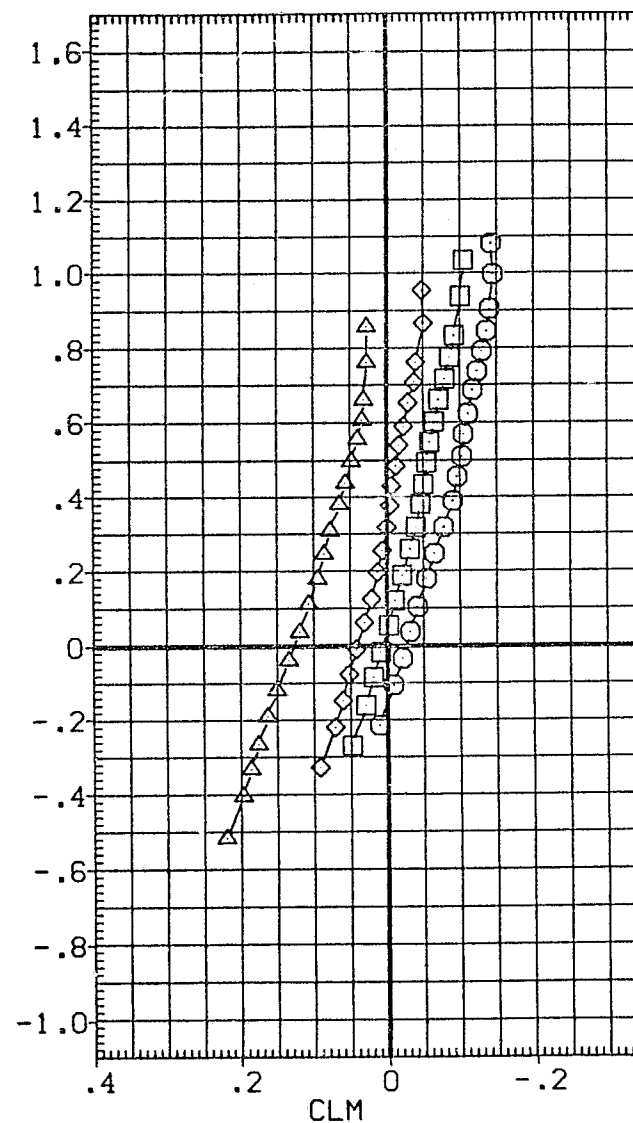
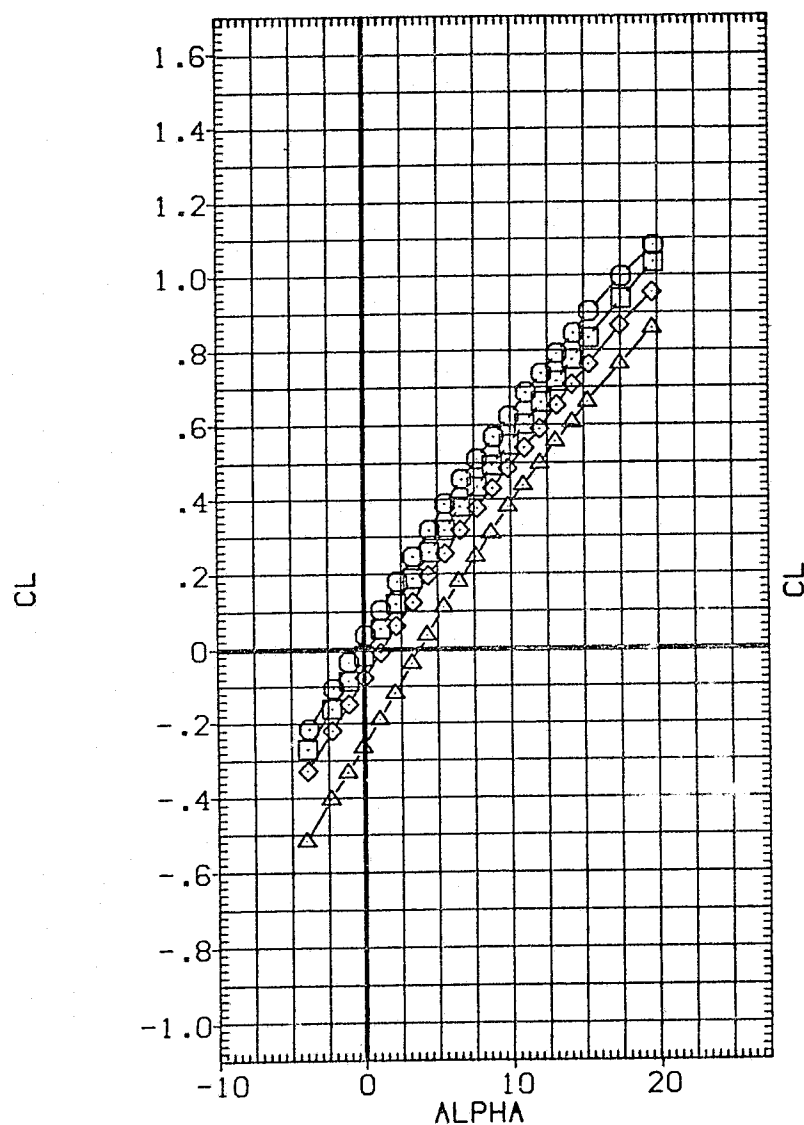


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

AXIAL FORCE COEFFICIENT, C_A

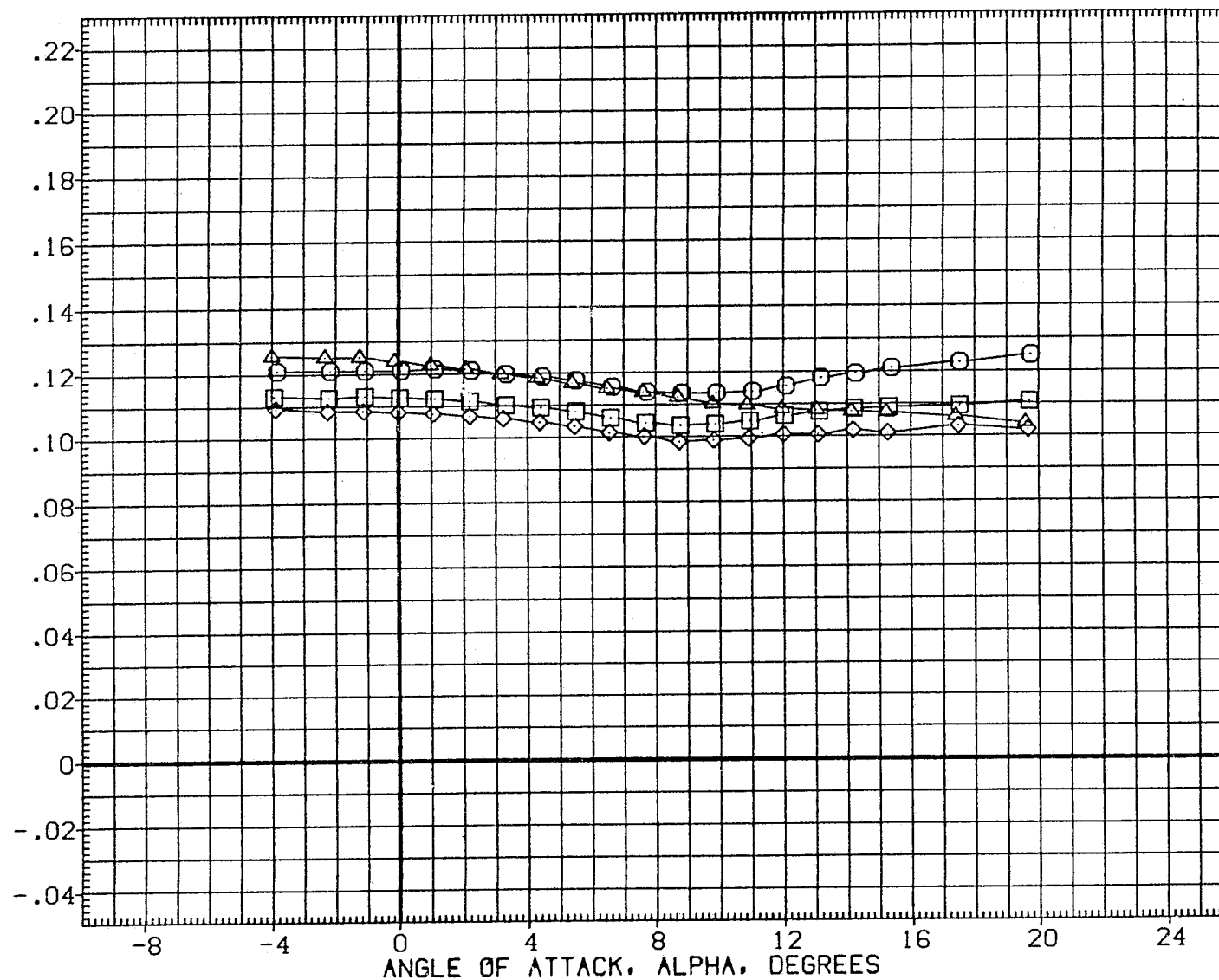


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3016)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3015)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3014)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3012)  LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON

10.000
 5.000
 .000
 -10.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

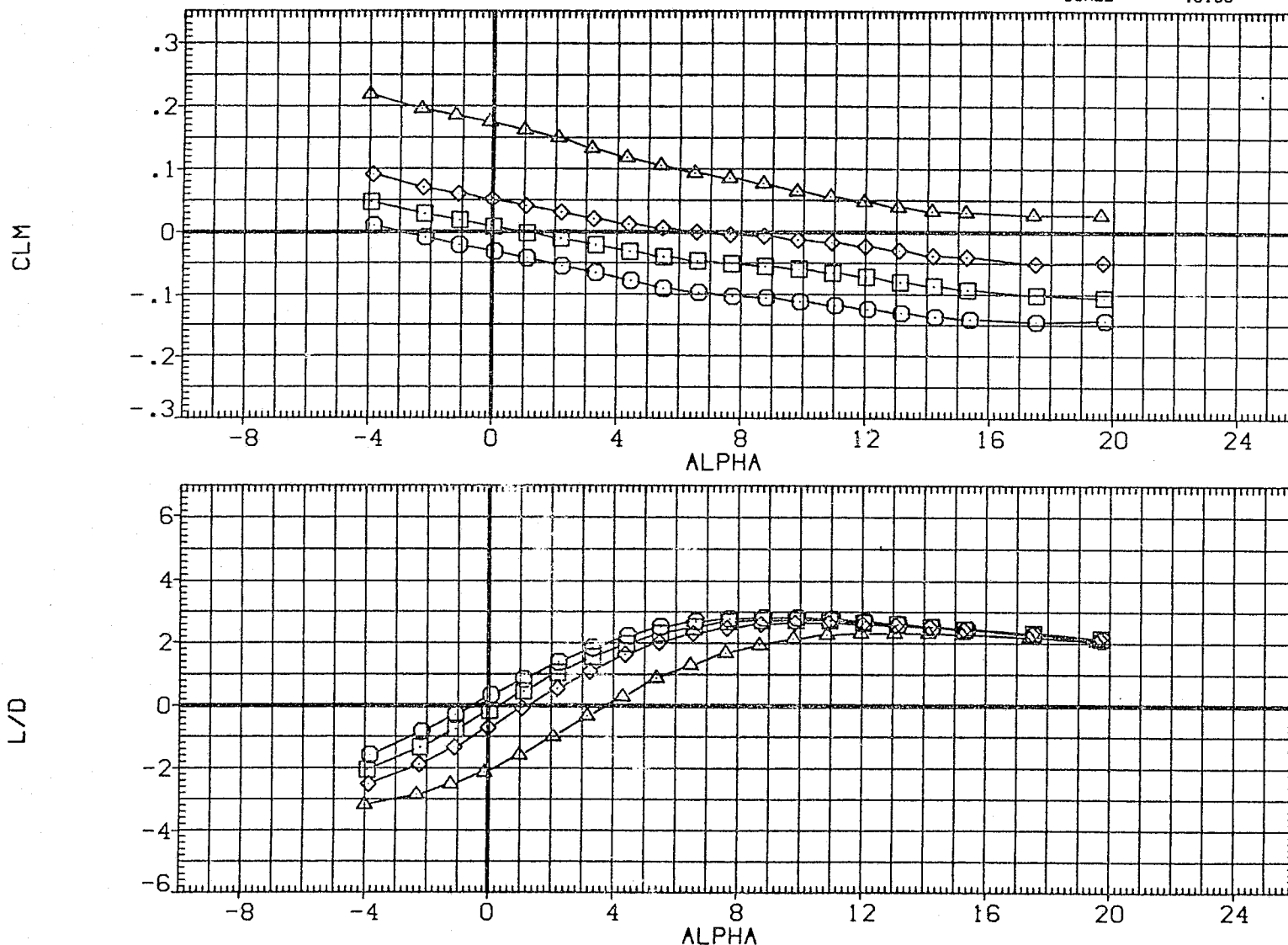


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

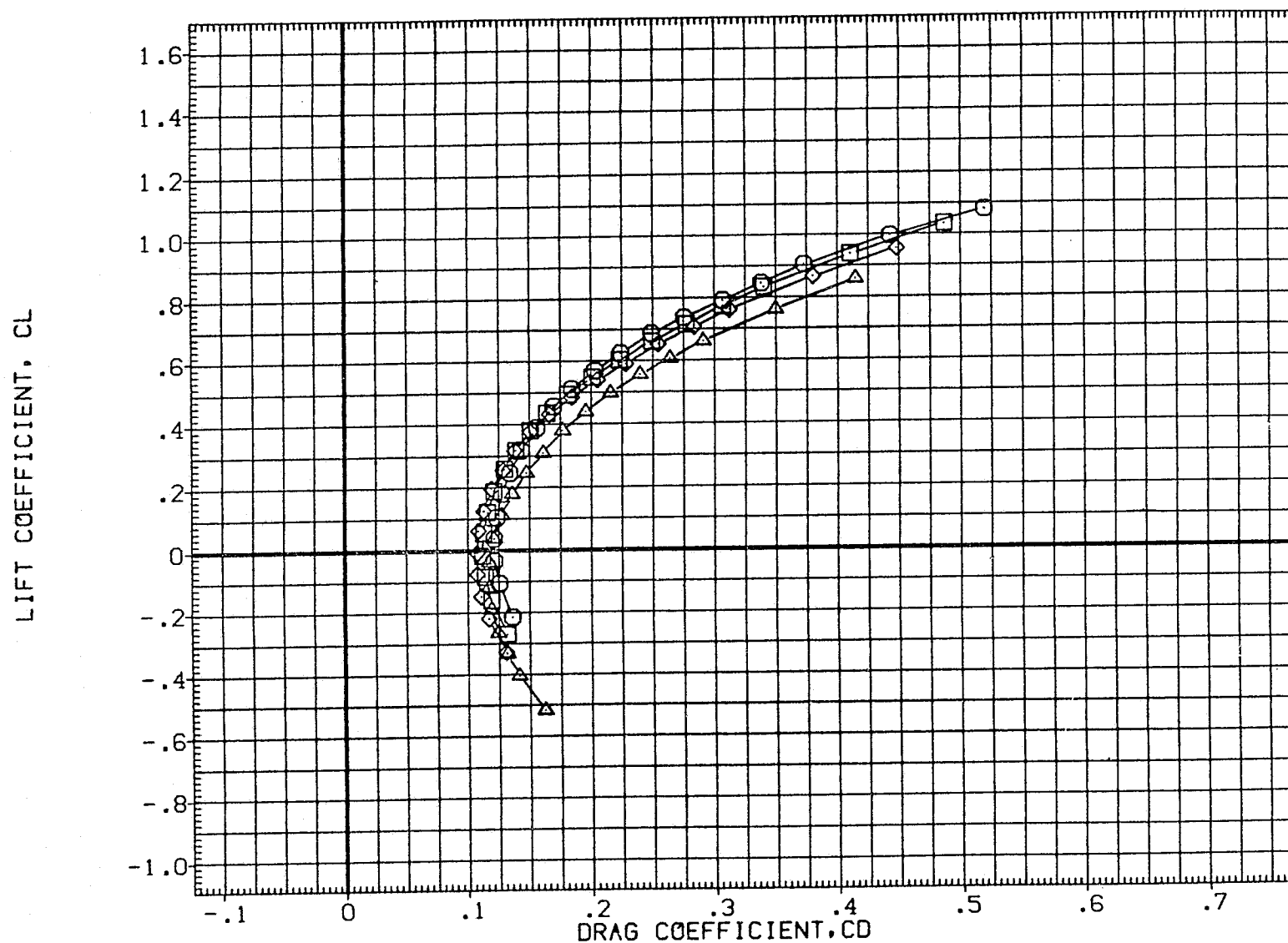


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

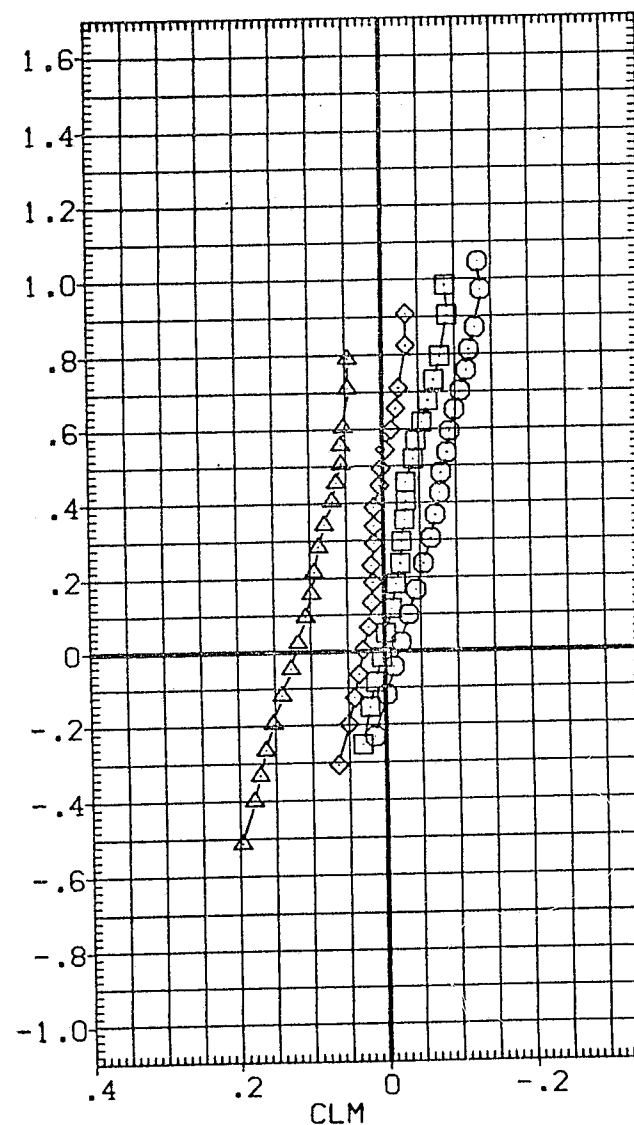
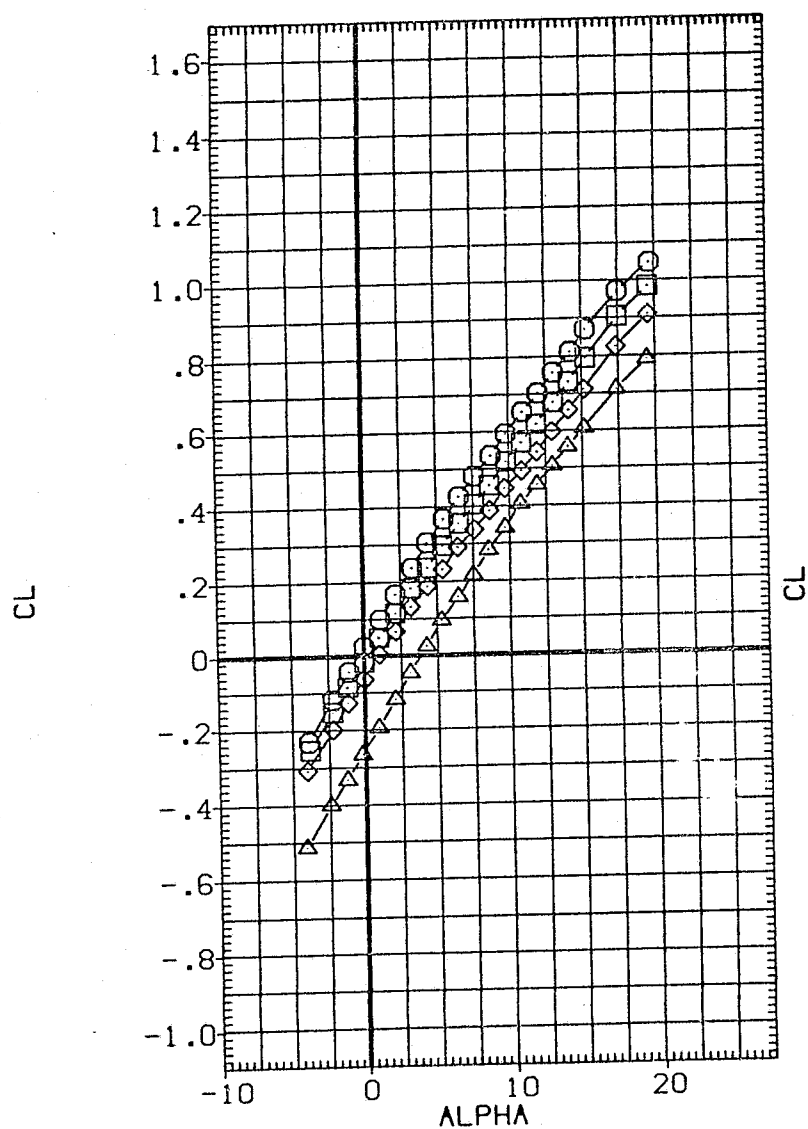


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

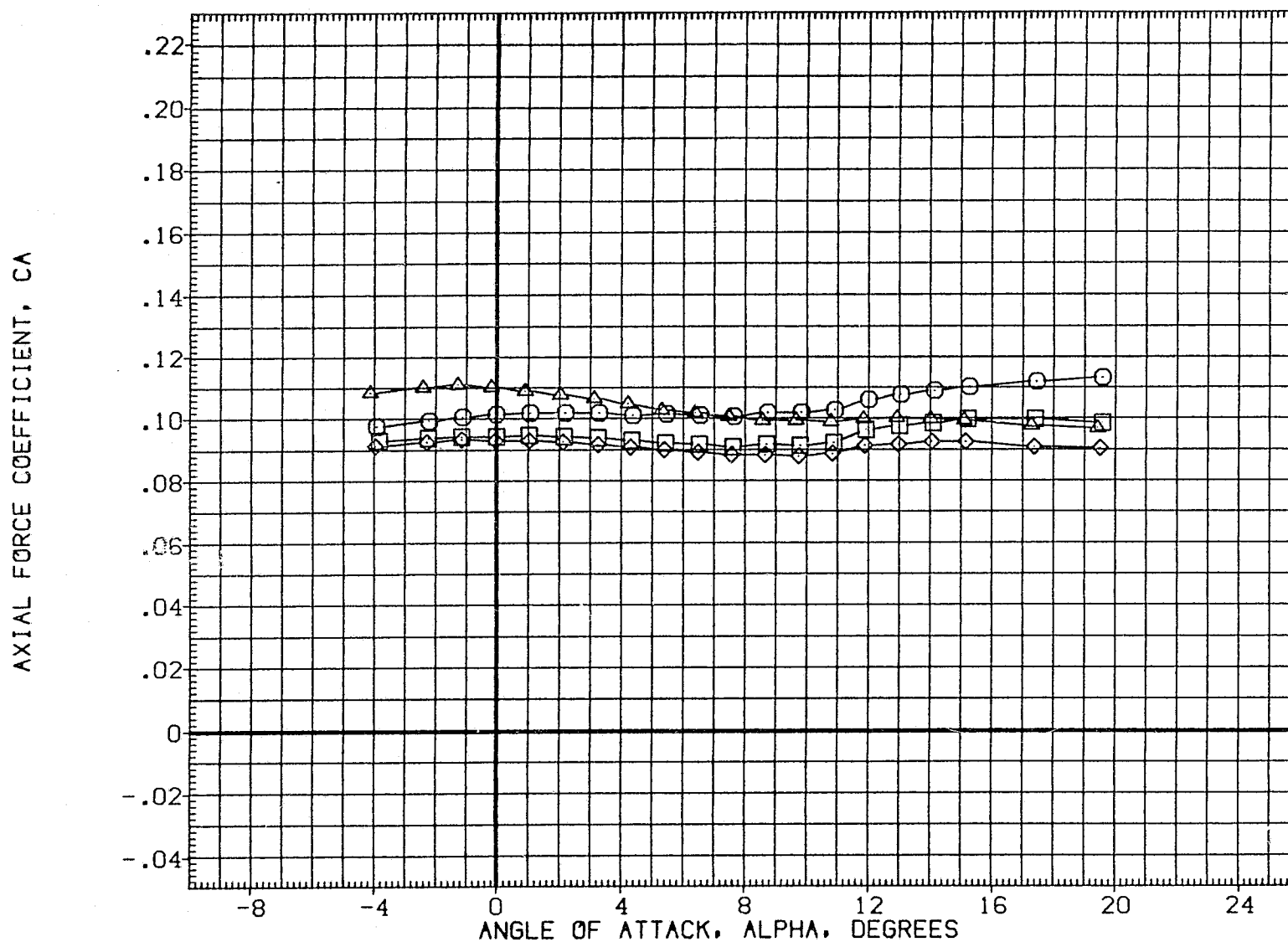


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

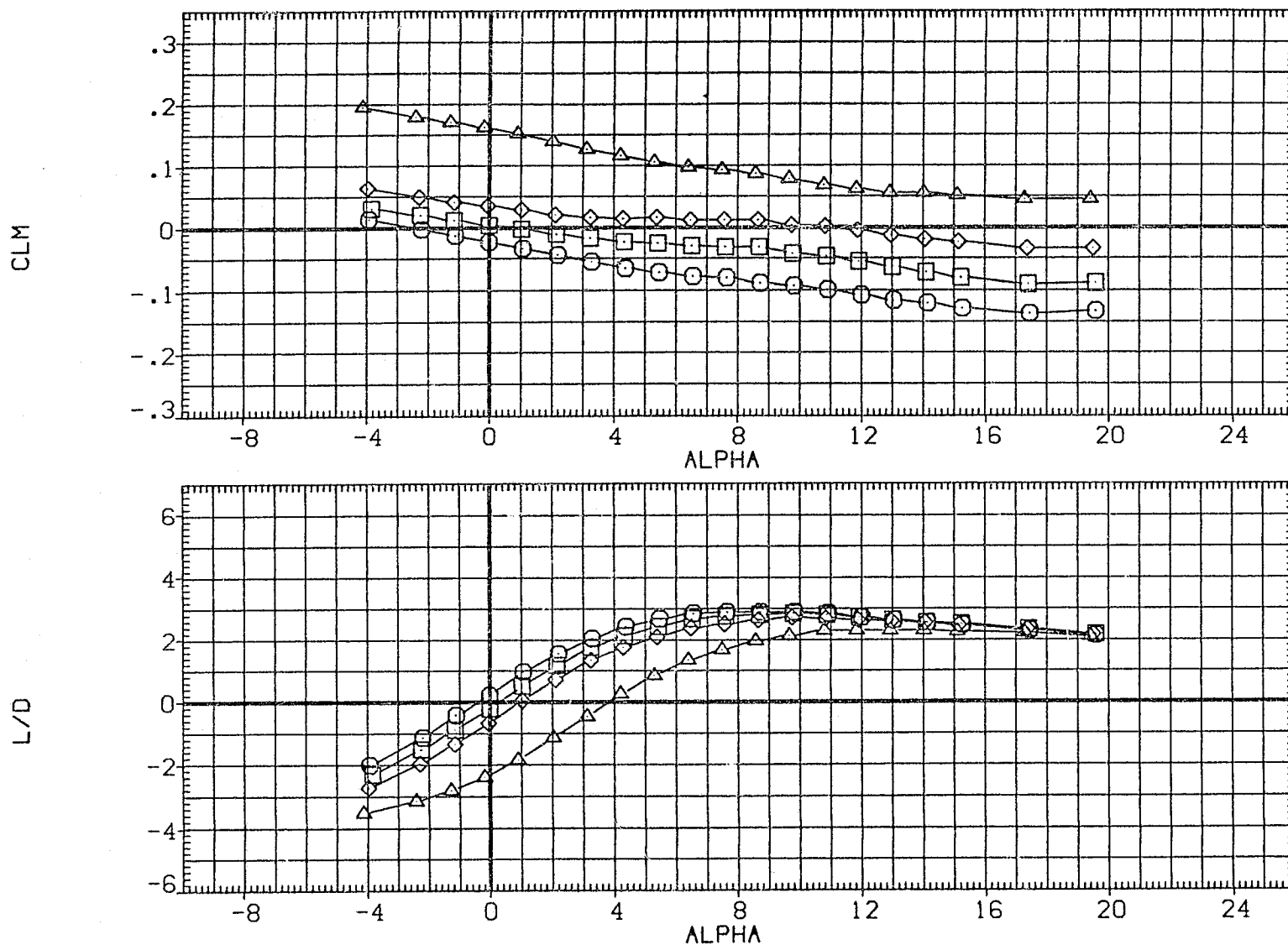


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

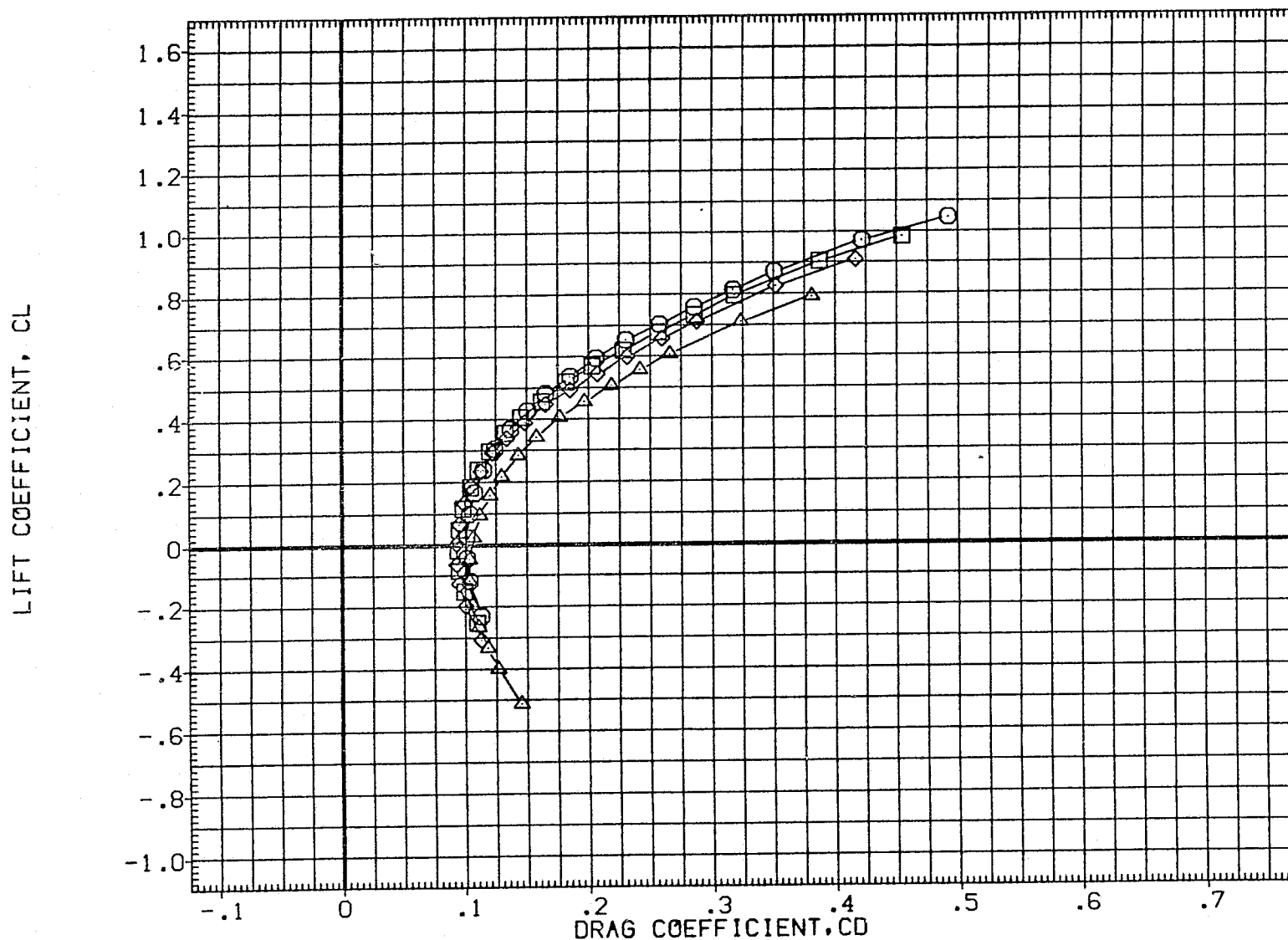


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
0.000
-5.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

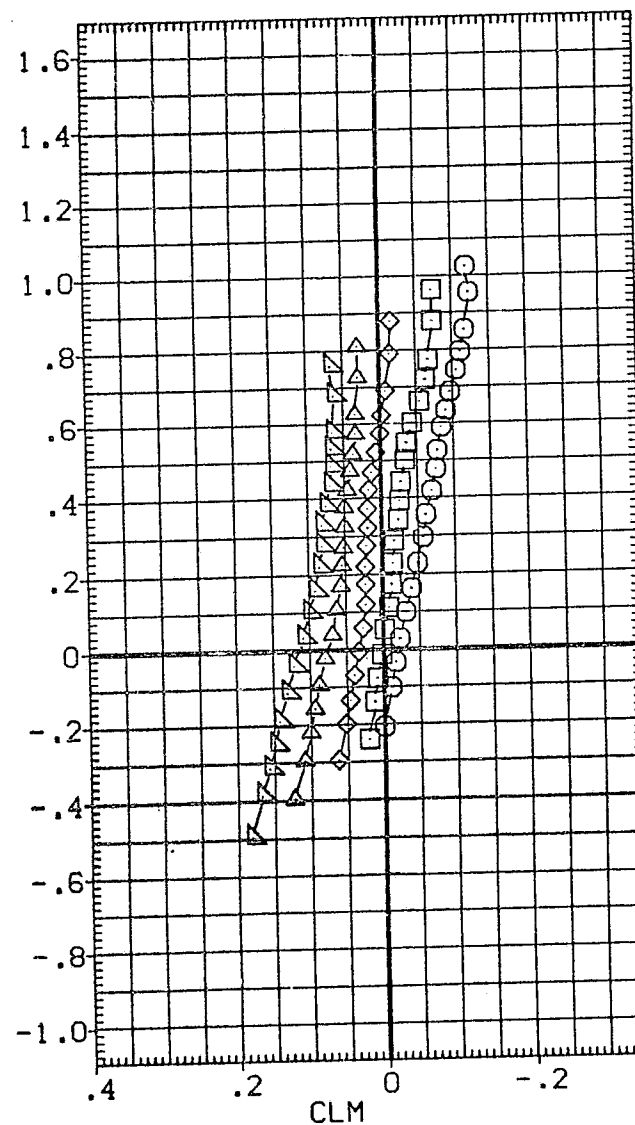
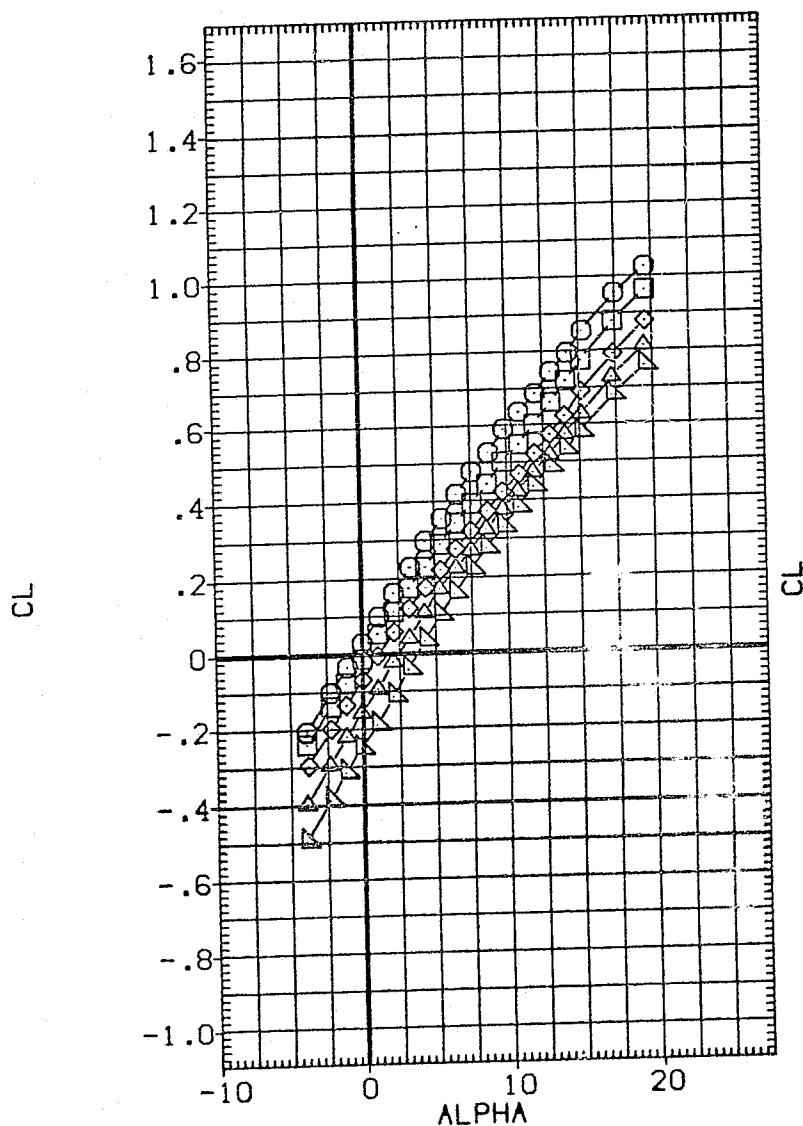


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

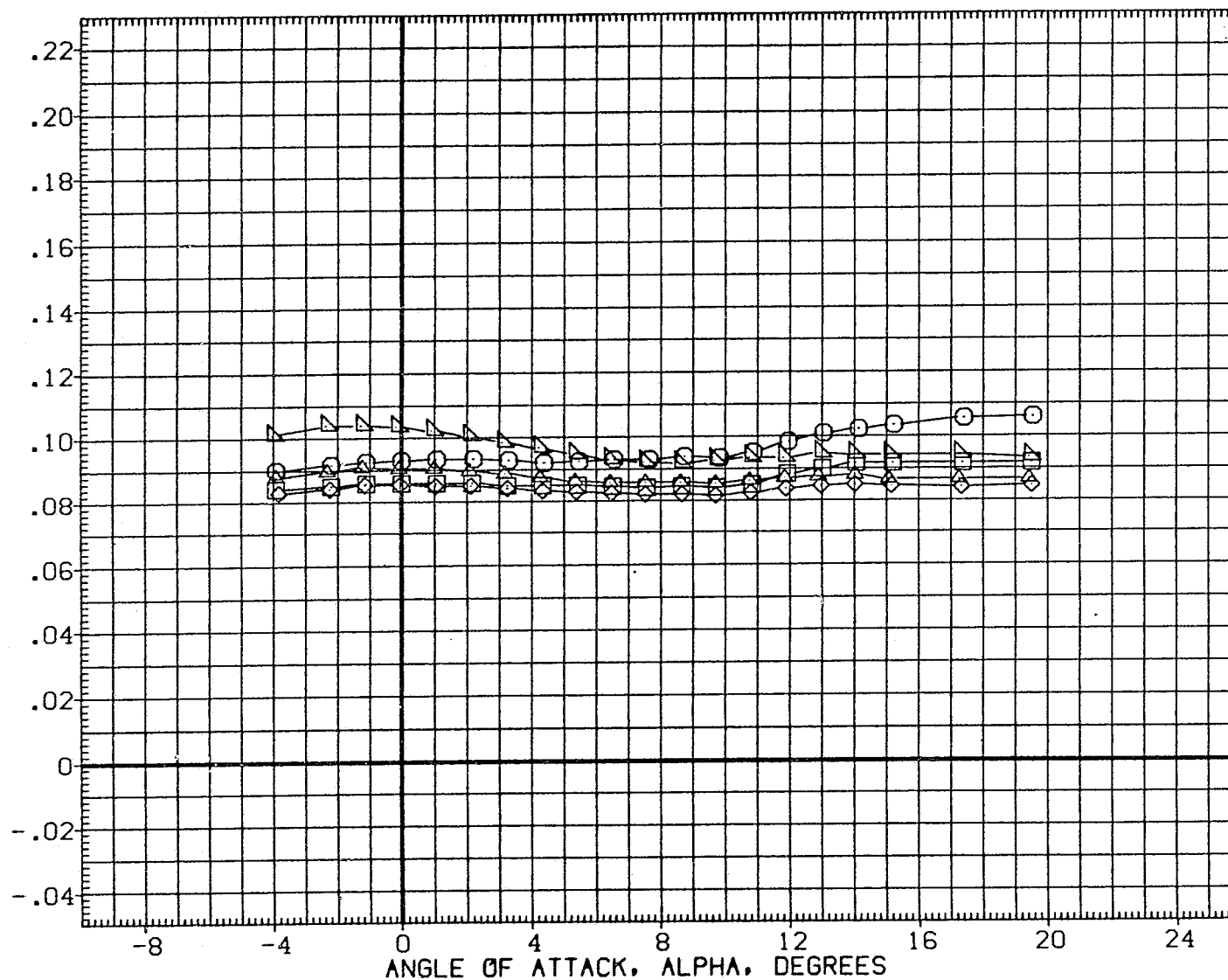


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

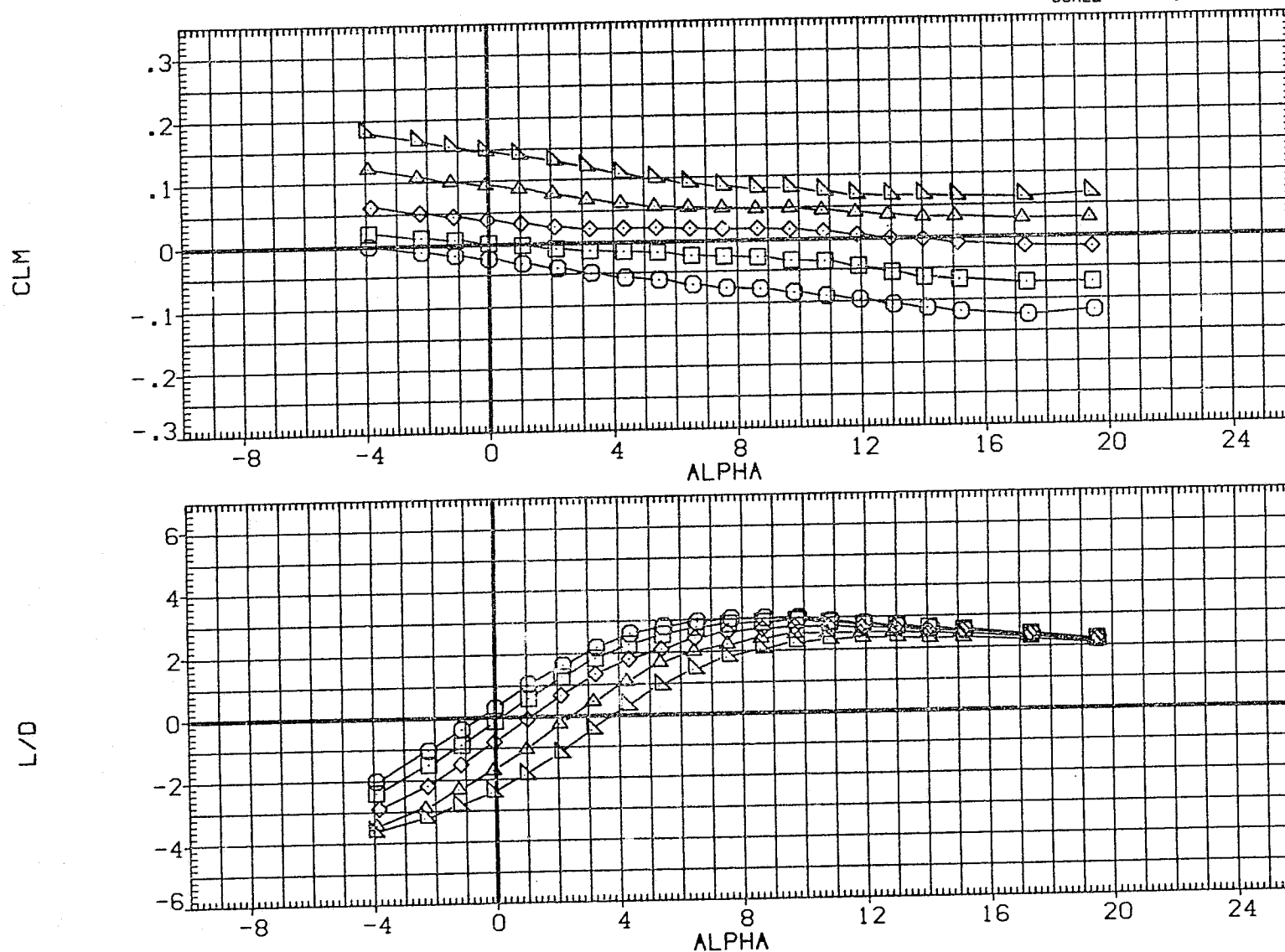


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

LIFT COEFFICIENT, CL

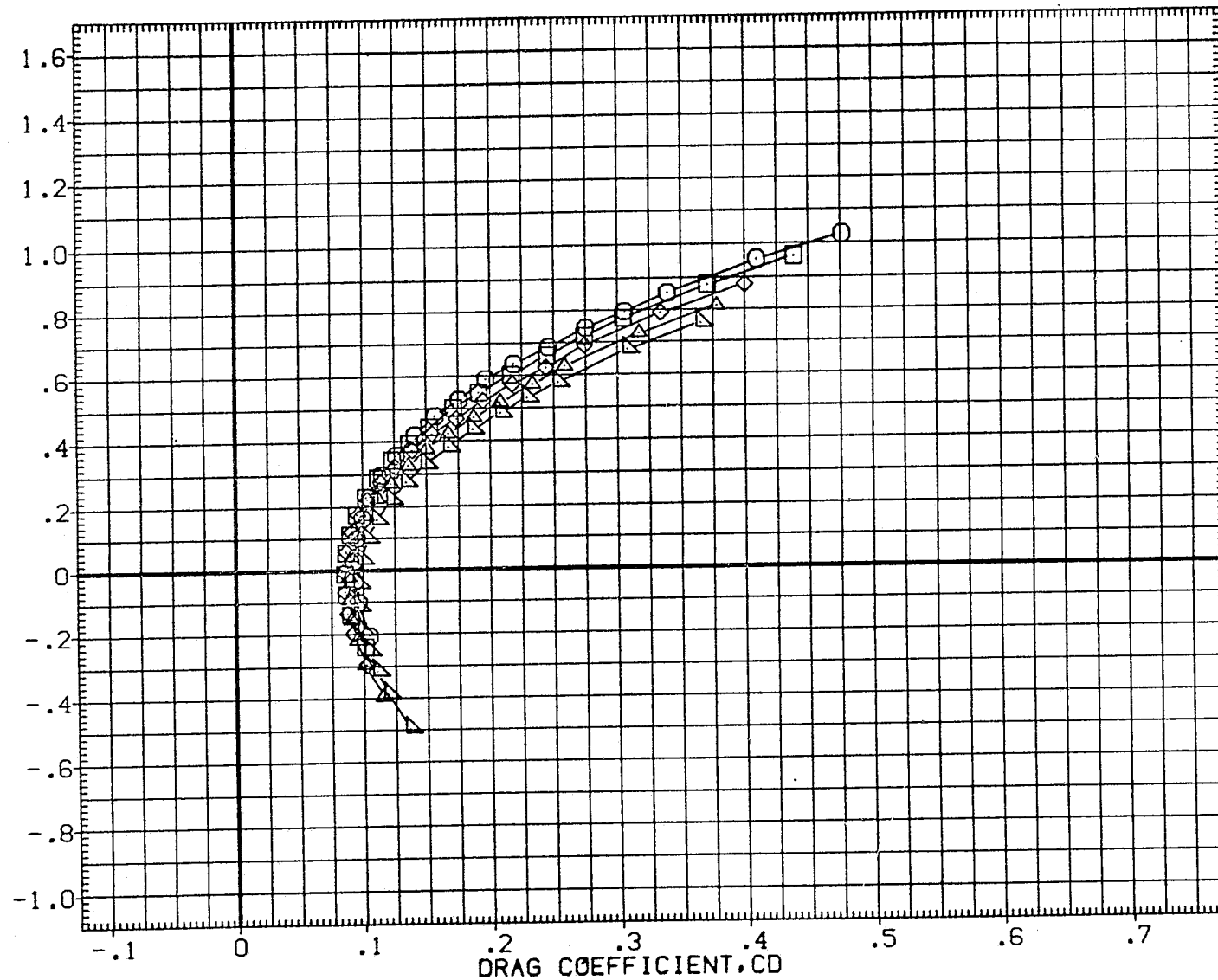


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000
-10.000
-20.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

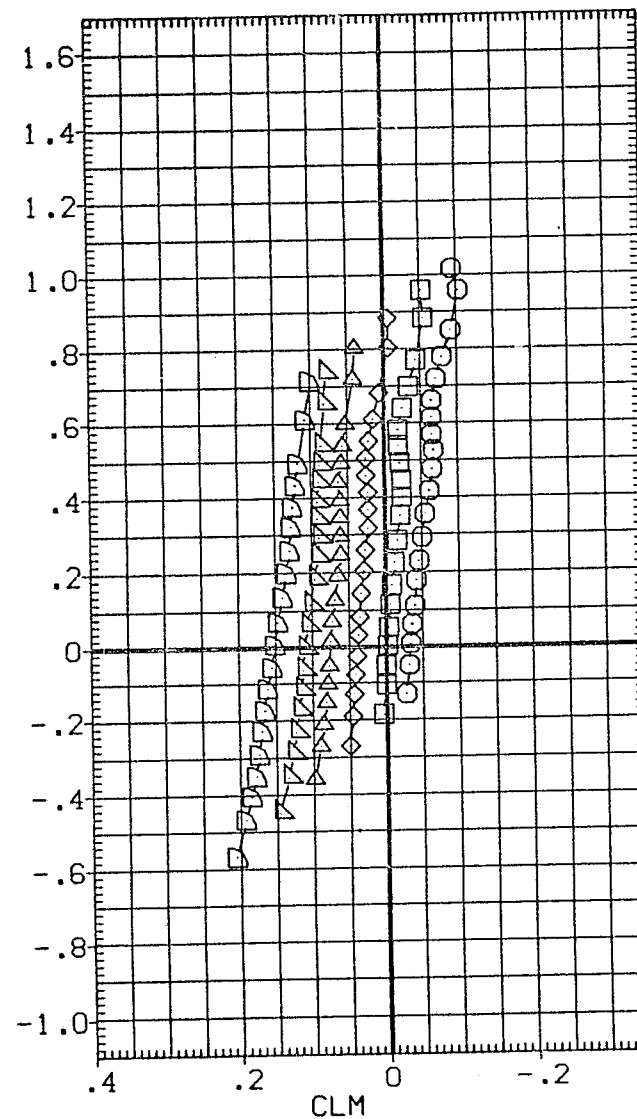
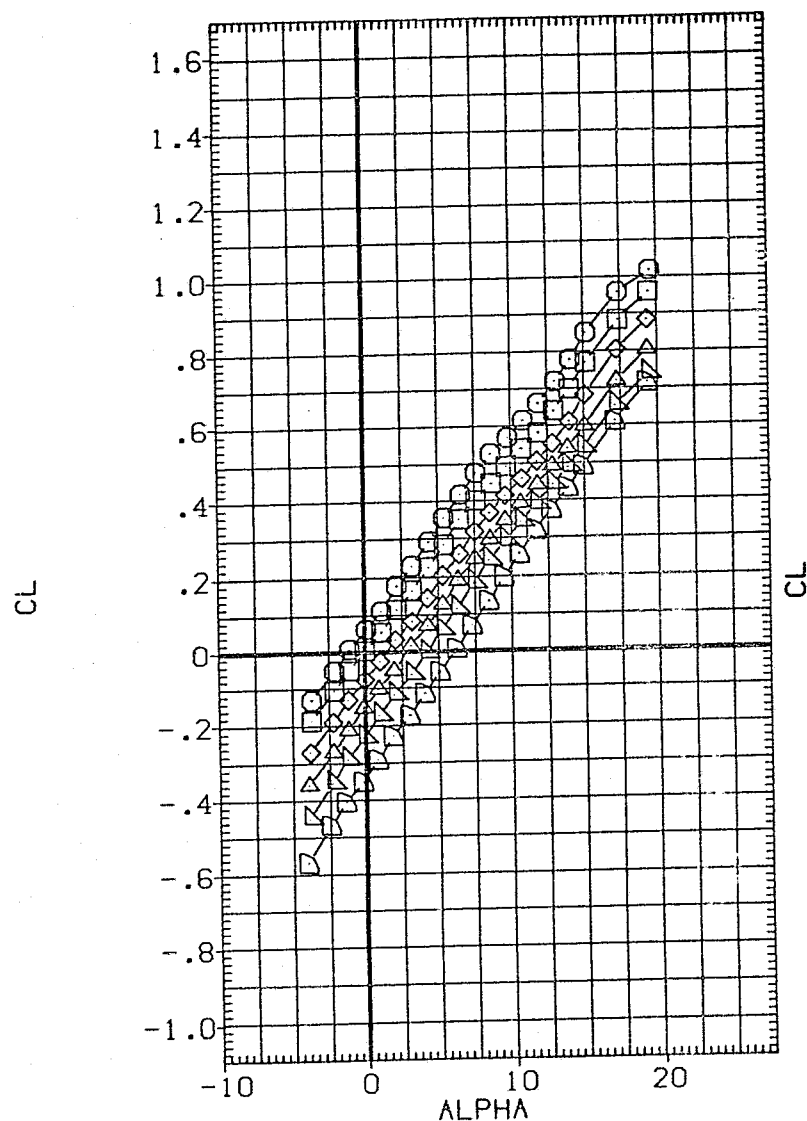


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVON
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER	10.000
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER	5.000
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-5.000
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-10.000
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

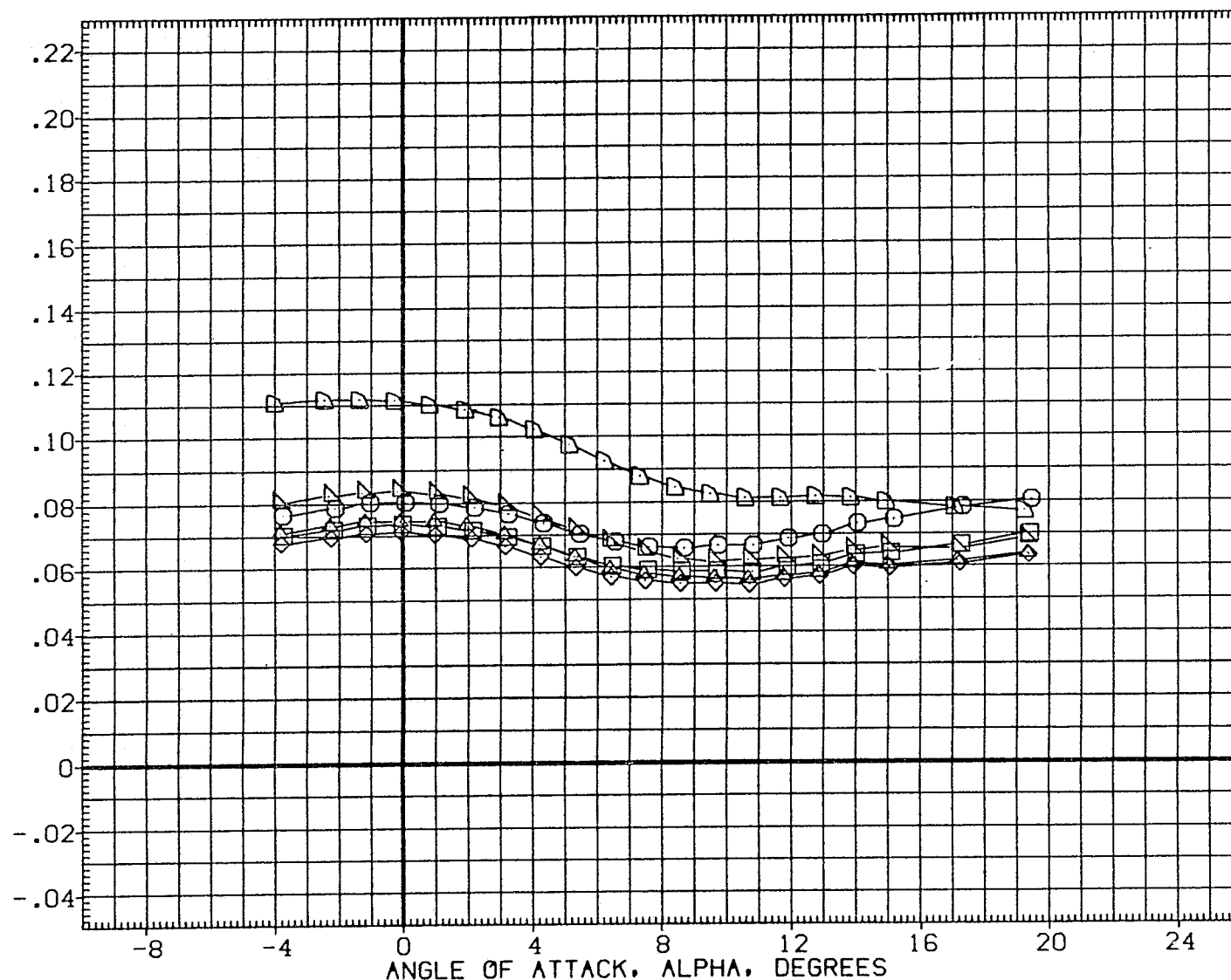


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3016) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3015) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3014) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3013) ∇ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3012) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (BJ3010) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON

10.000
 5.000
 .000
 -5.000
 -10.000
 -20.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

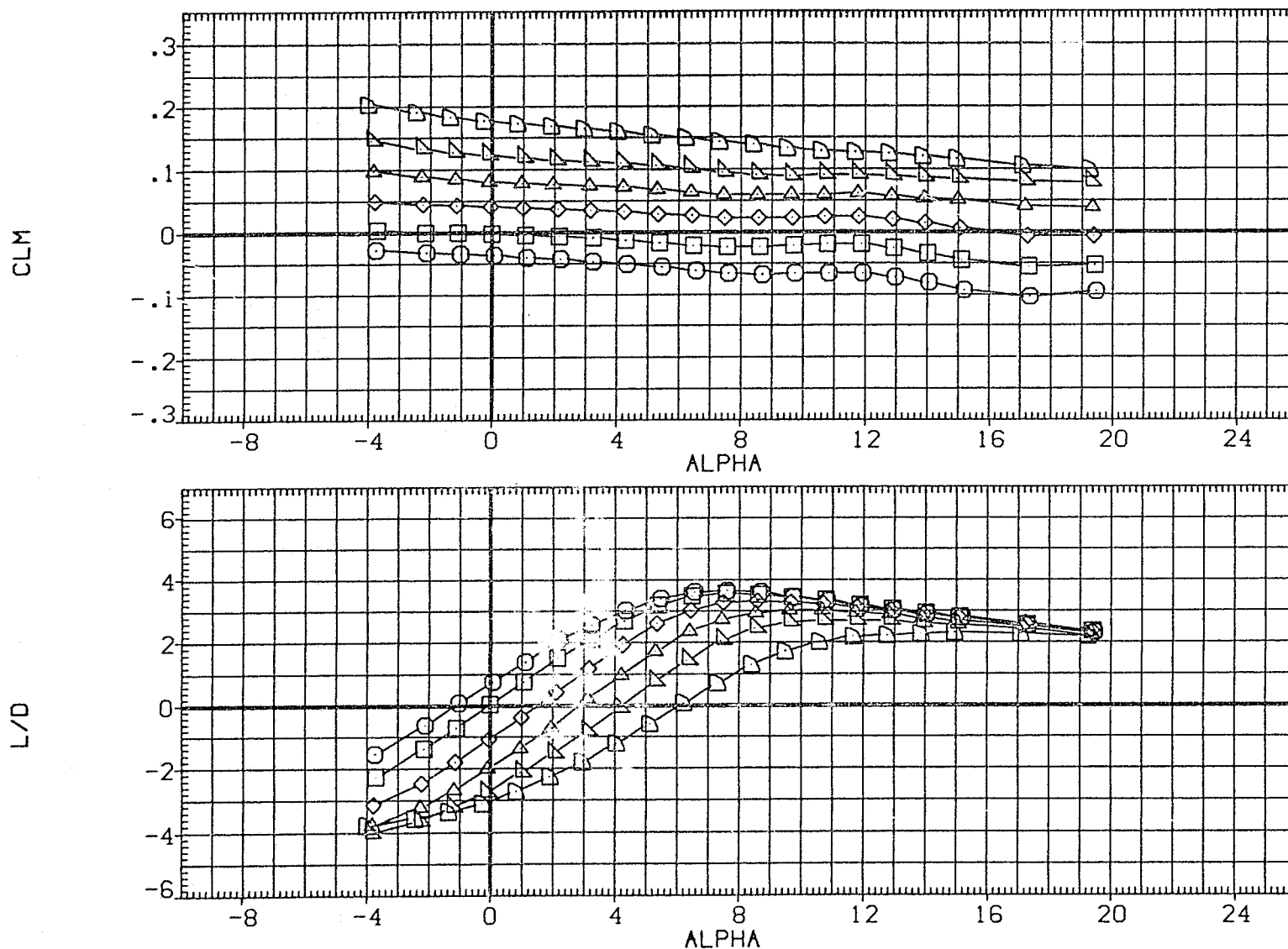


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELEVON
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER	10.000
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER	5.000
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-5.000
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-10.000
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

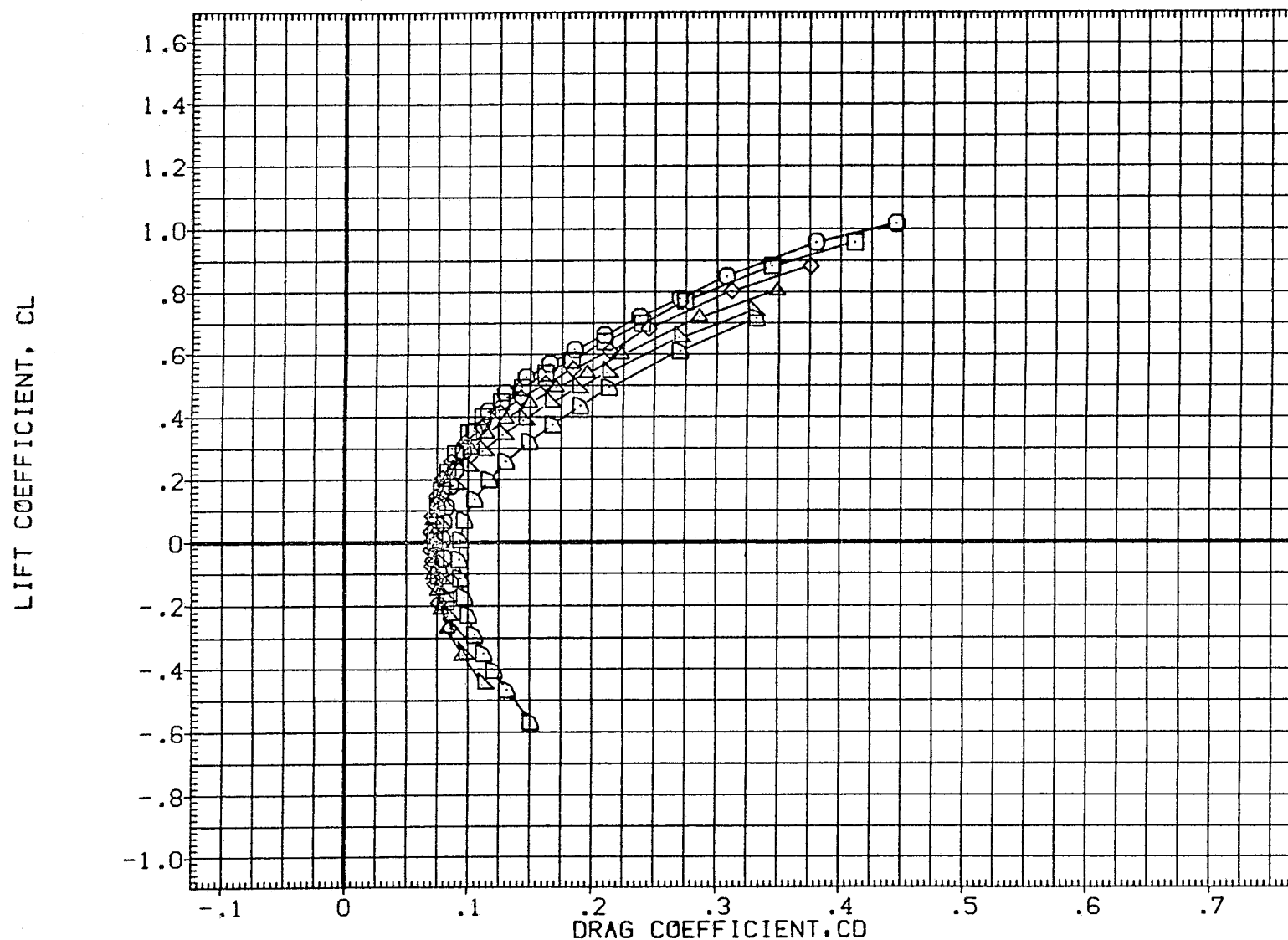


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3017)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
10.000
5.000
.000
-10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

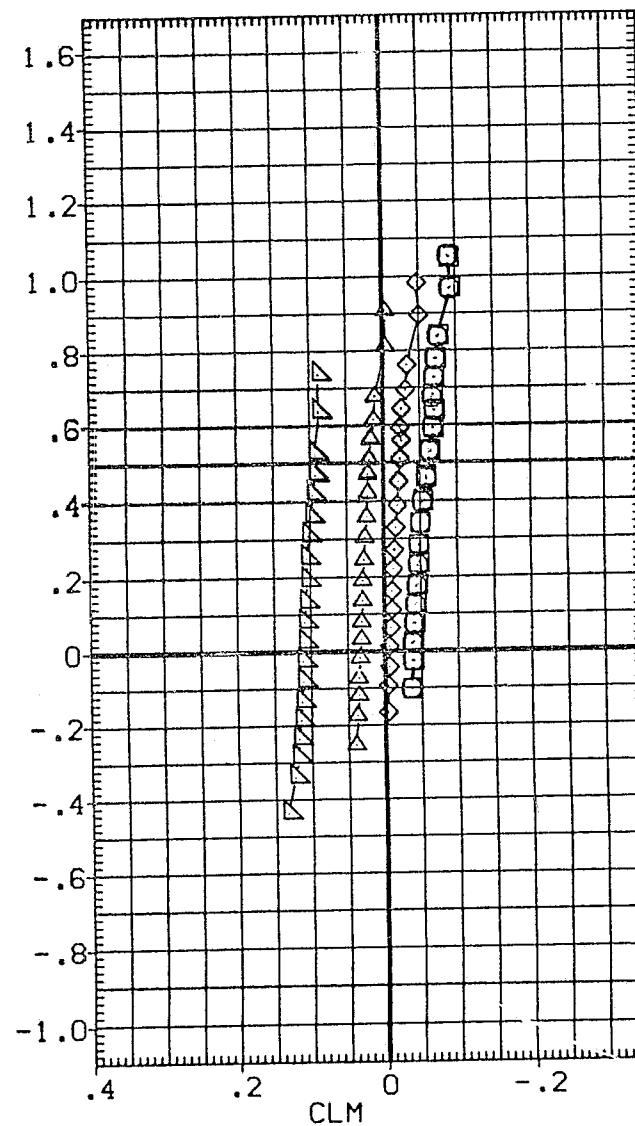
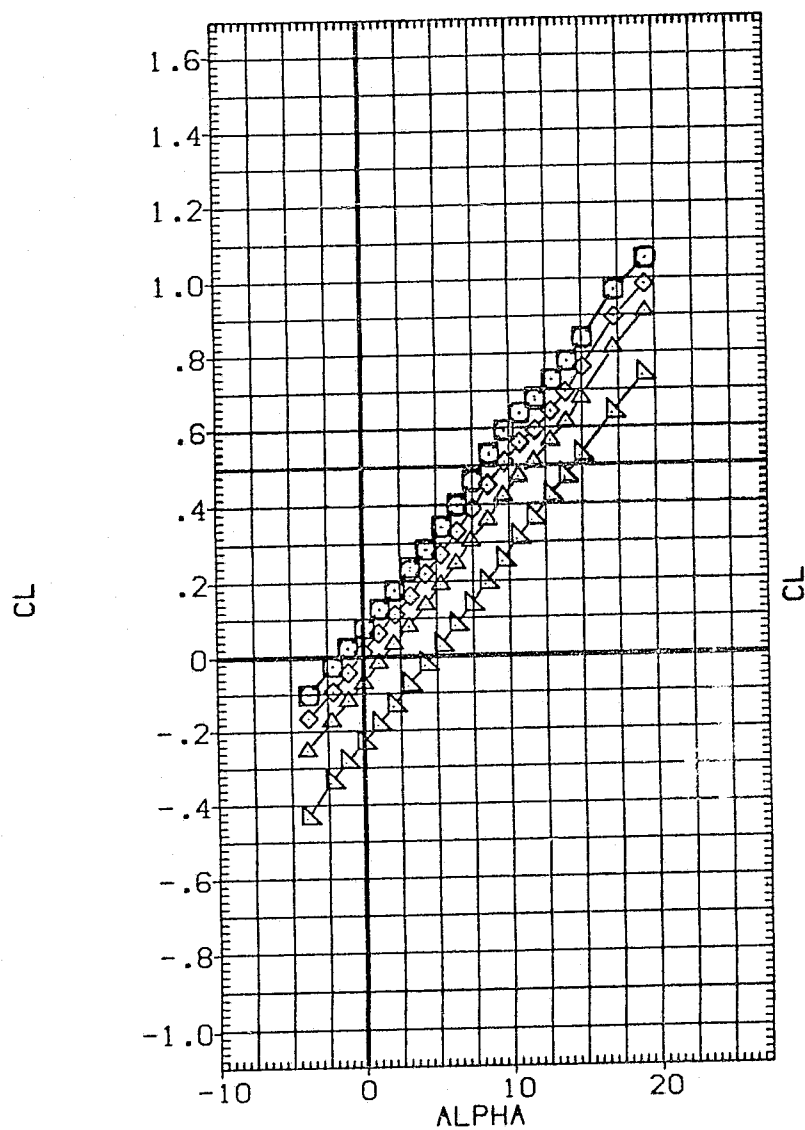


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3017)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
10.000
5.000
.000
-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

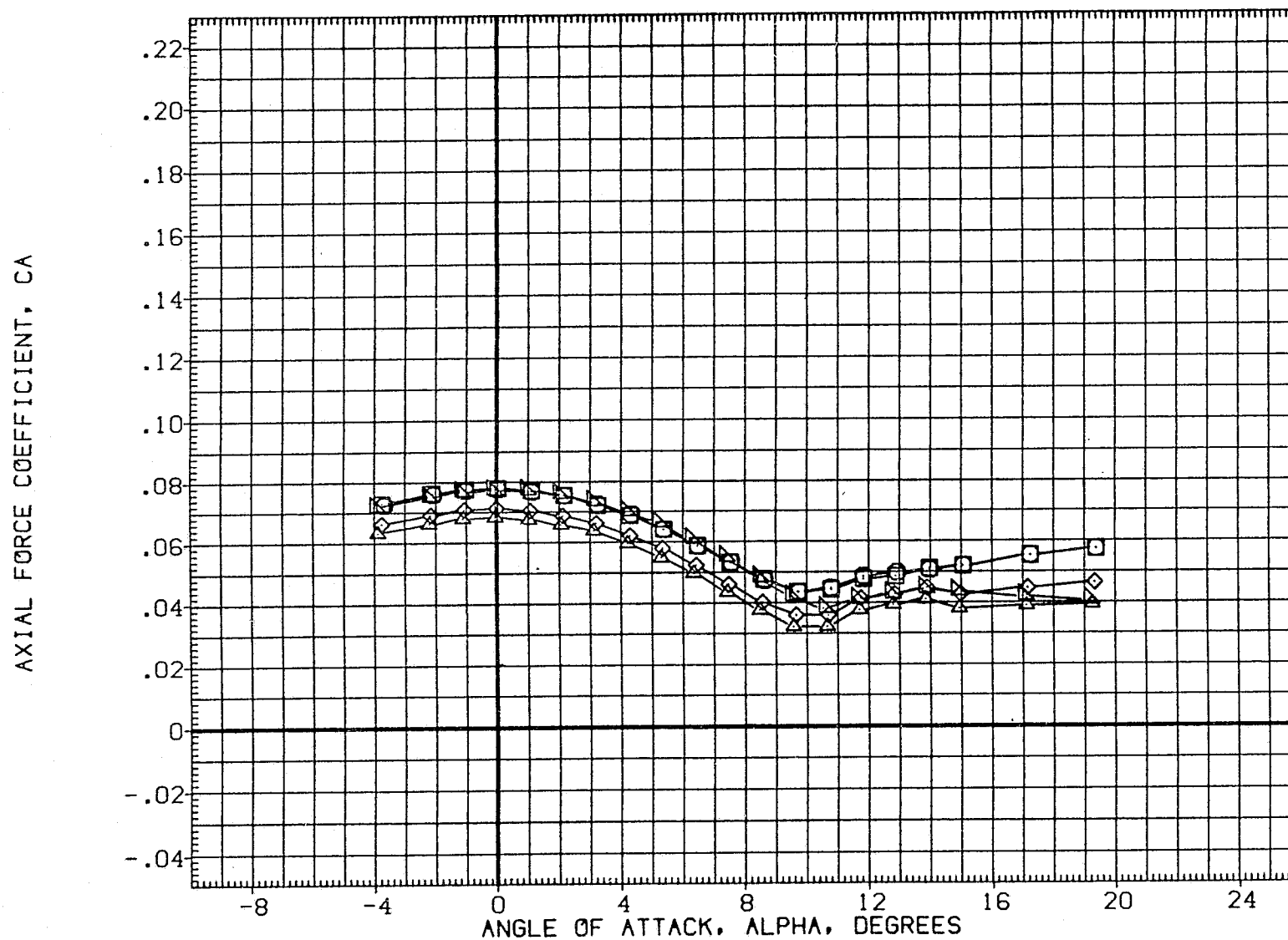


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3017)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
10.000
5.000
.000
-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

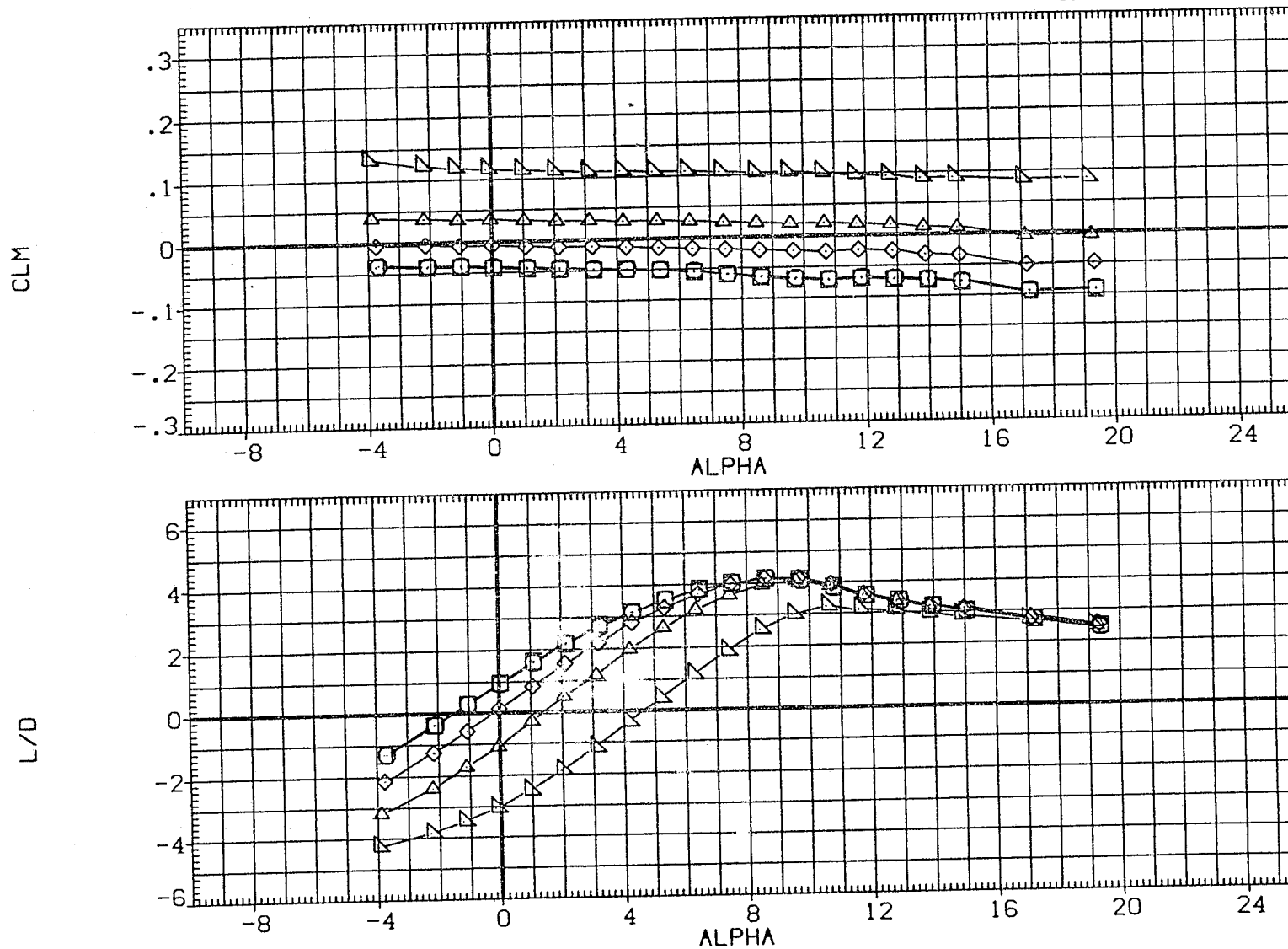


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3017)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3016)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON

10.000
10.000
5.000
.000
-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

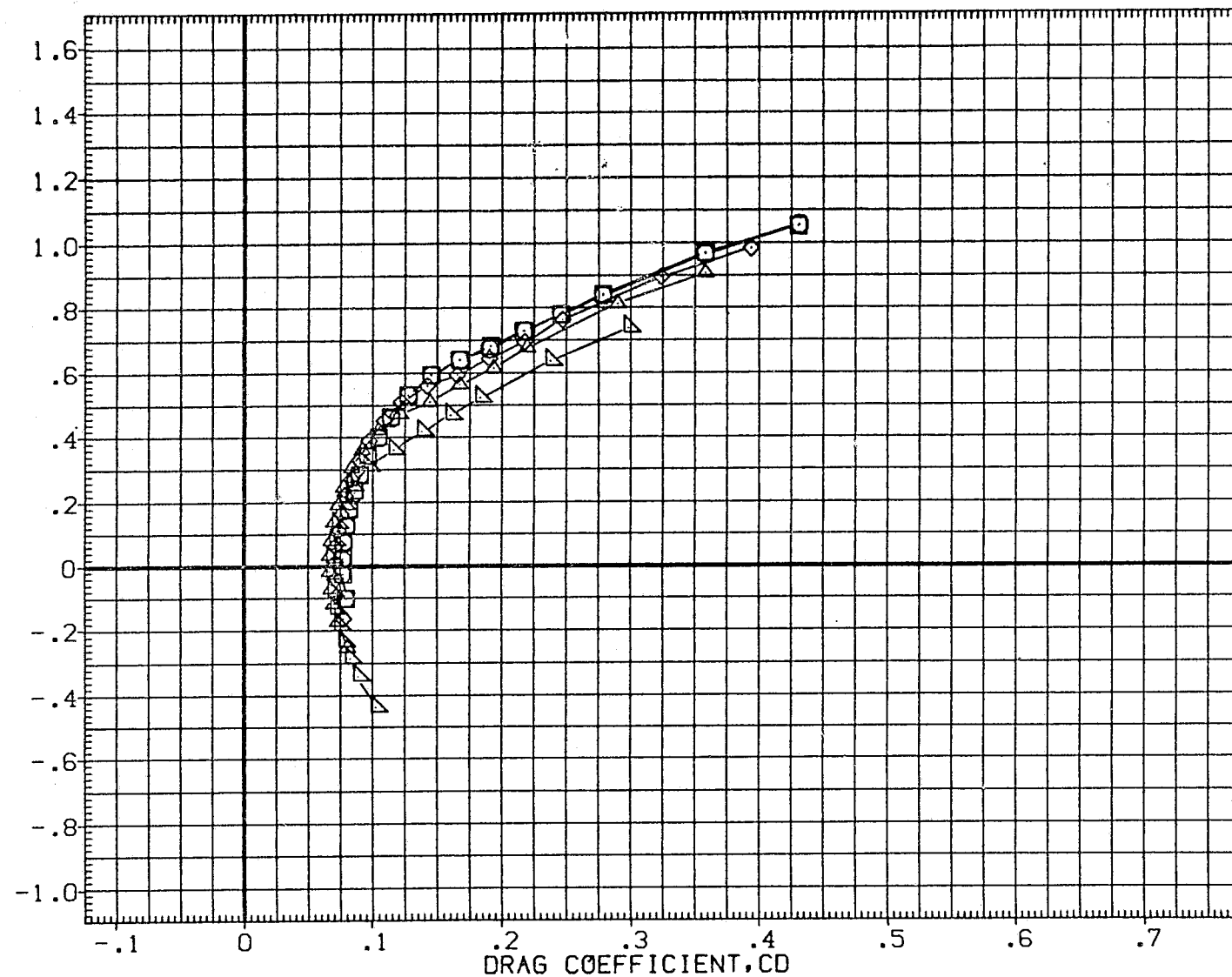


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A) MACH = .70

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
 .000
 -10.000
 -15.000
 -20.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

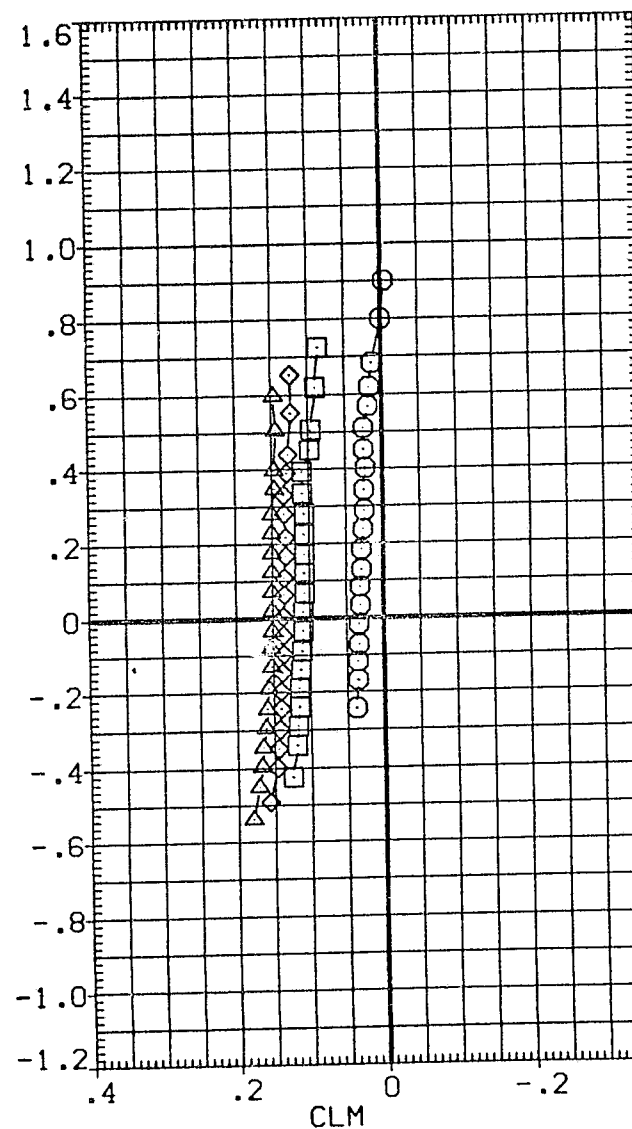
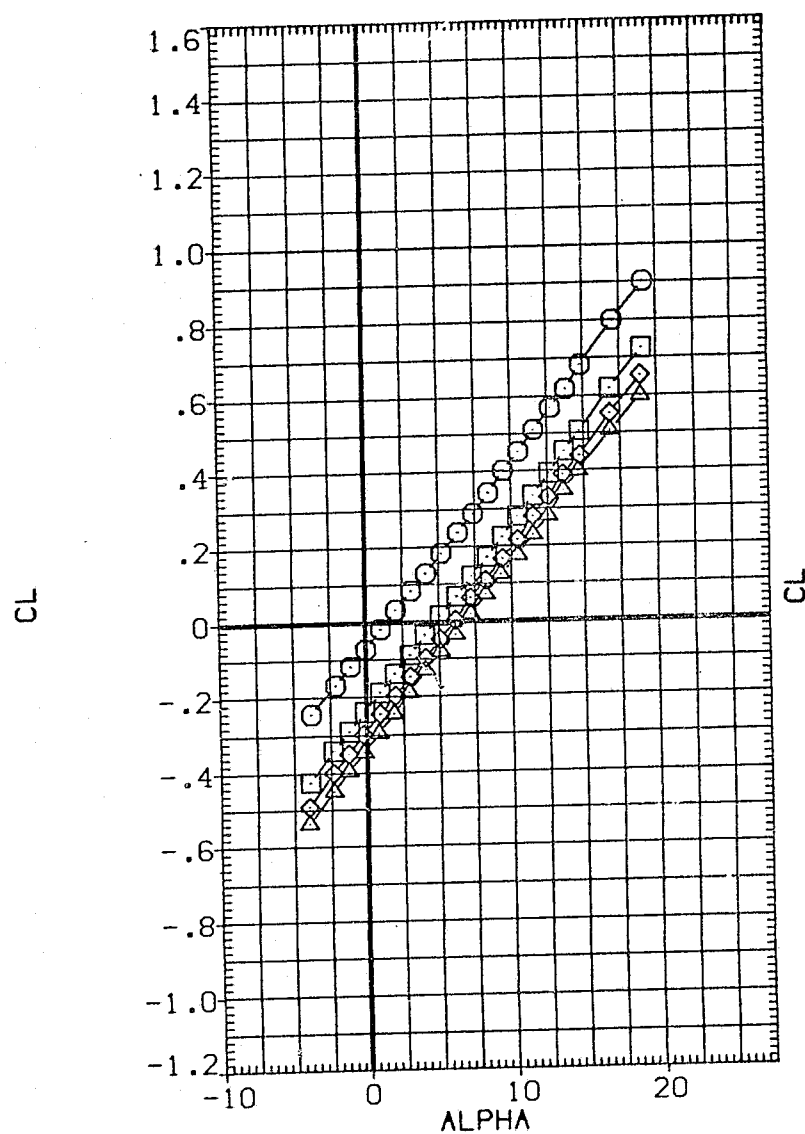


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
.000
-10.000
-15.000
-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

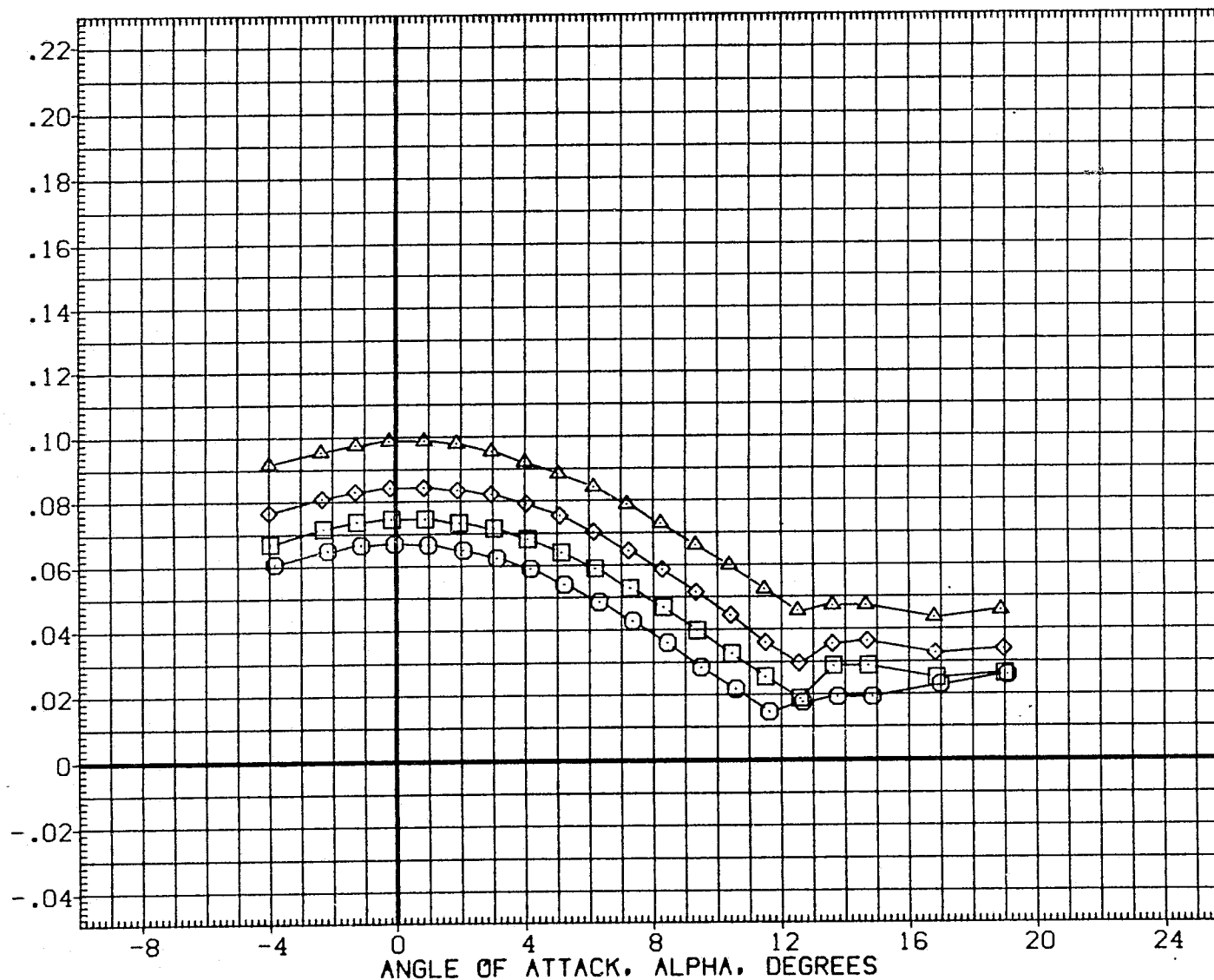


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3011)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
 .000
 -10.000
 -15.000
 -20.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

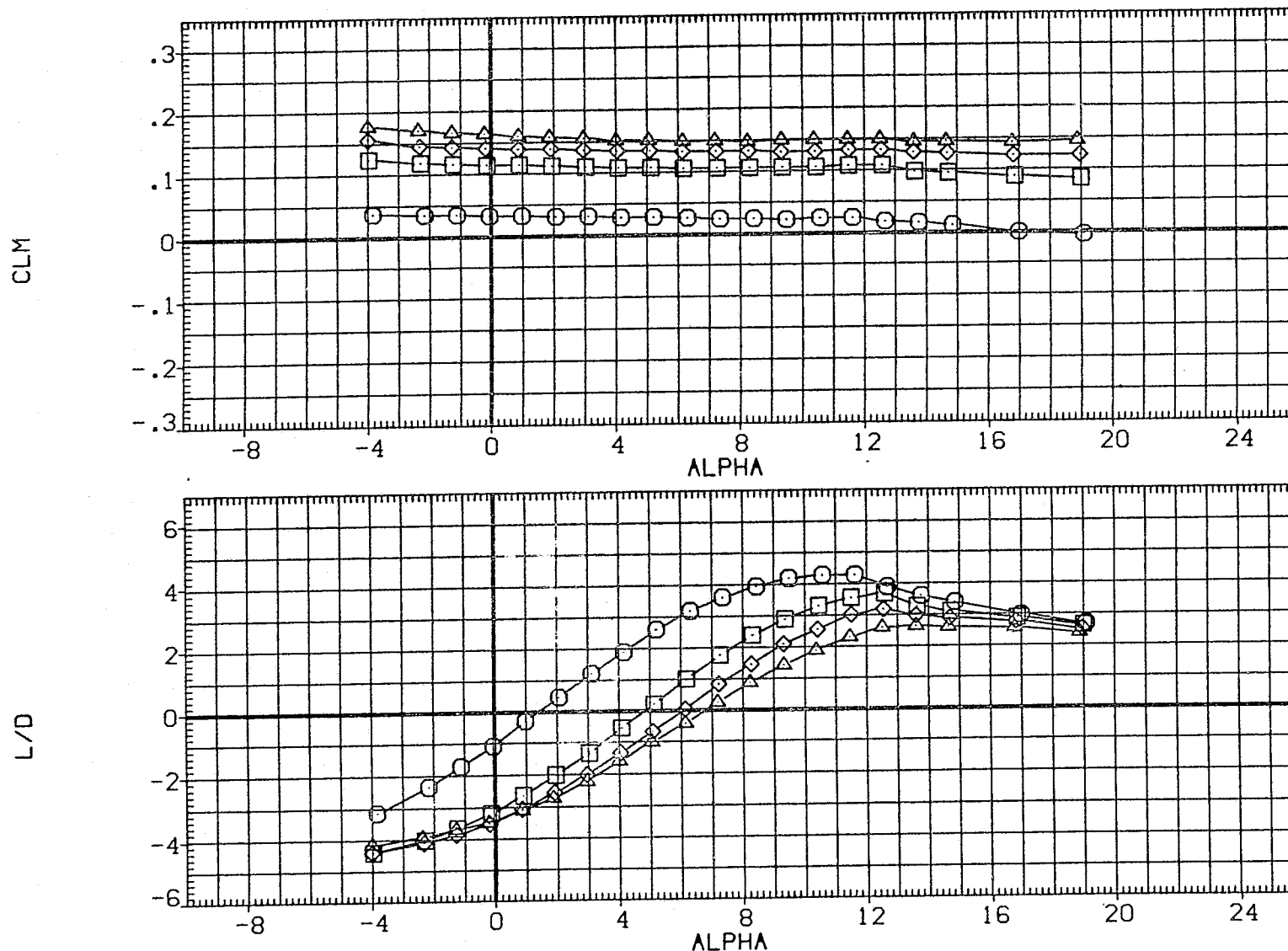


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BJ3014) $\square$ LARC 8FT TPT 717(CLA-62) 140C ORBITER
 (BJ3012) $\square$ LARC 8FT TPT 717(CLA-62) 140C ORBITER
 (BJ3011) $\triangle$ LARC 8FT TPT 717(CLA-62) 140C ORBITER
 (BJ3010) $\triangle$ LARC 8FT TPT 717(CLA-62) 140C ORBITER

ELEVON

.000
 -10.000
 -15.000
 -20.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

LIFT COEFFICIENT, CL

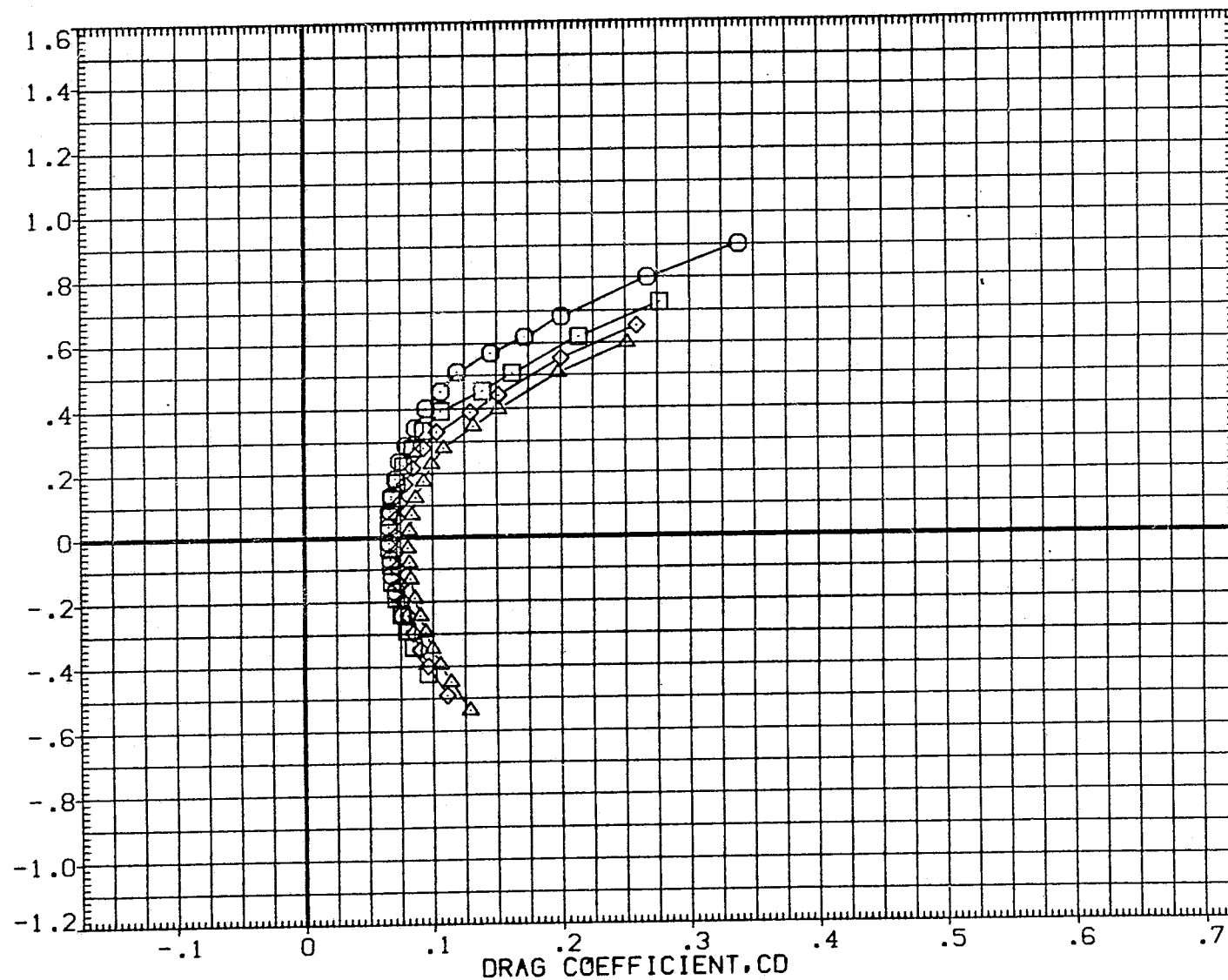


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

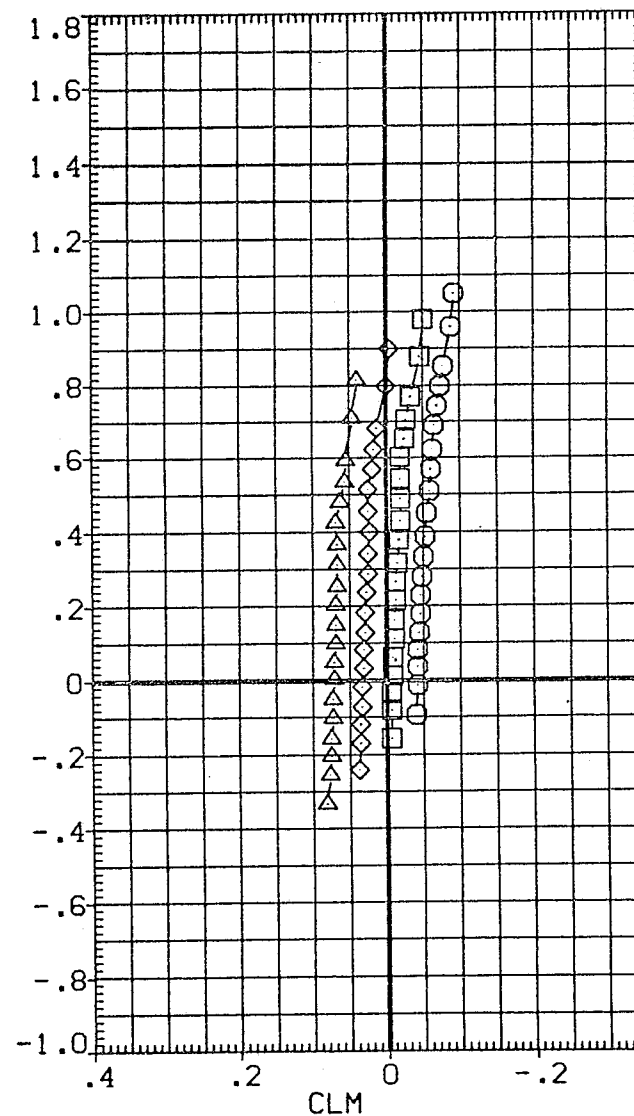
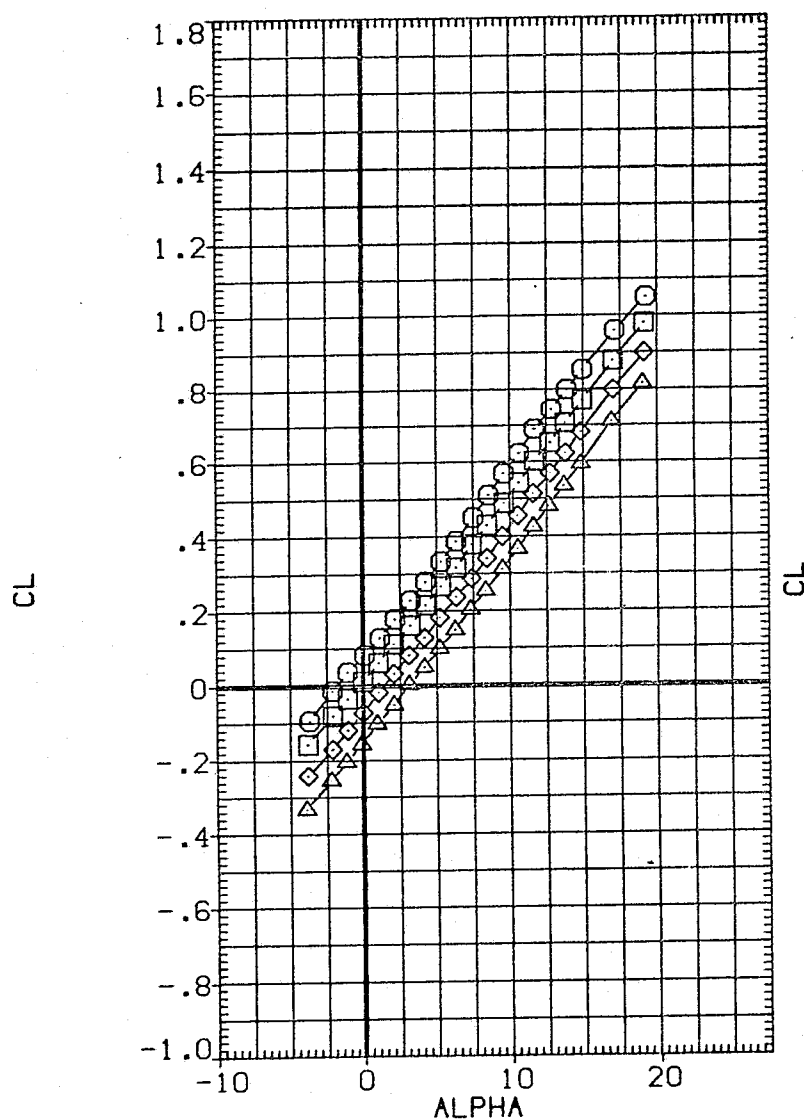


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

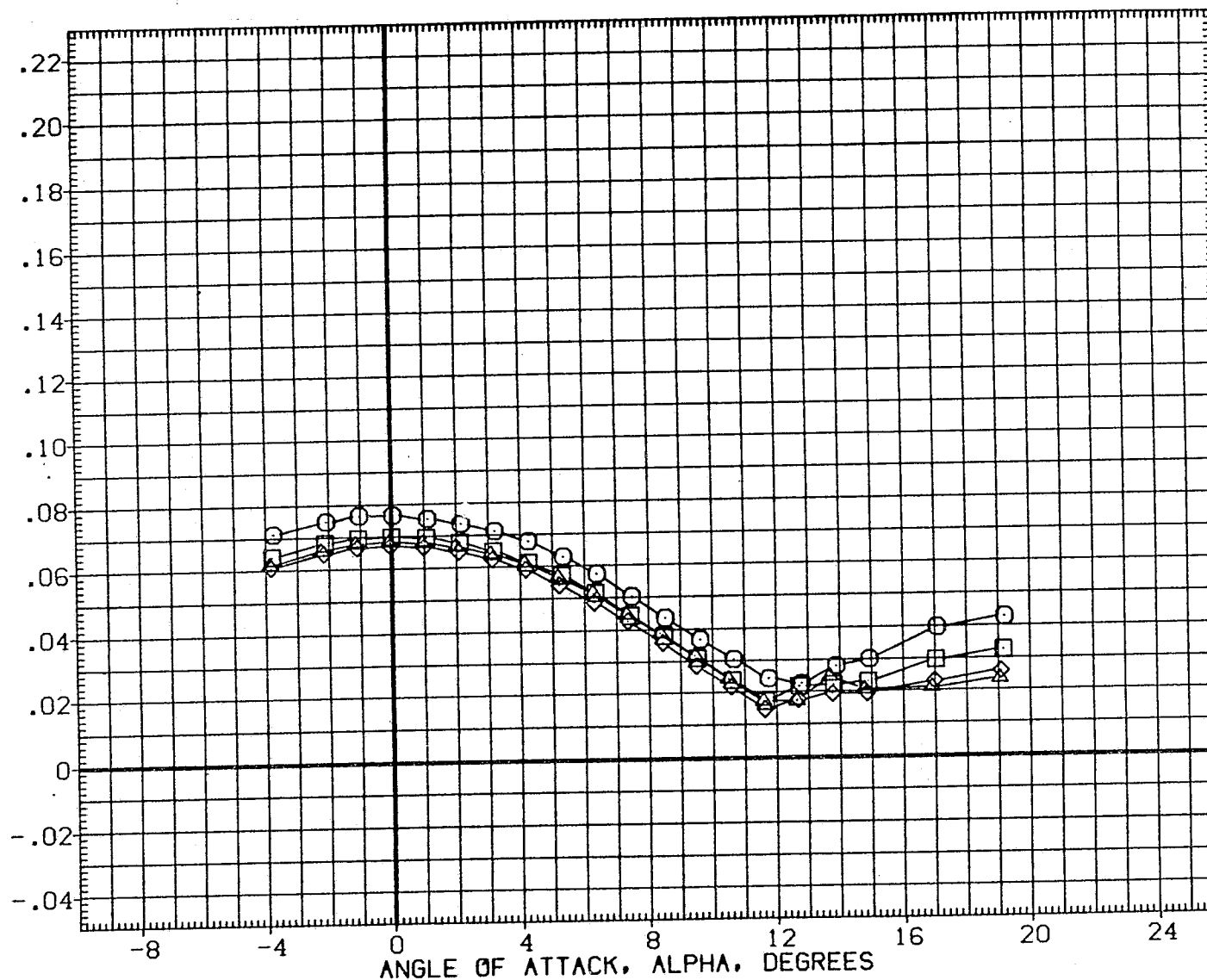


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

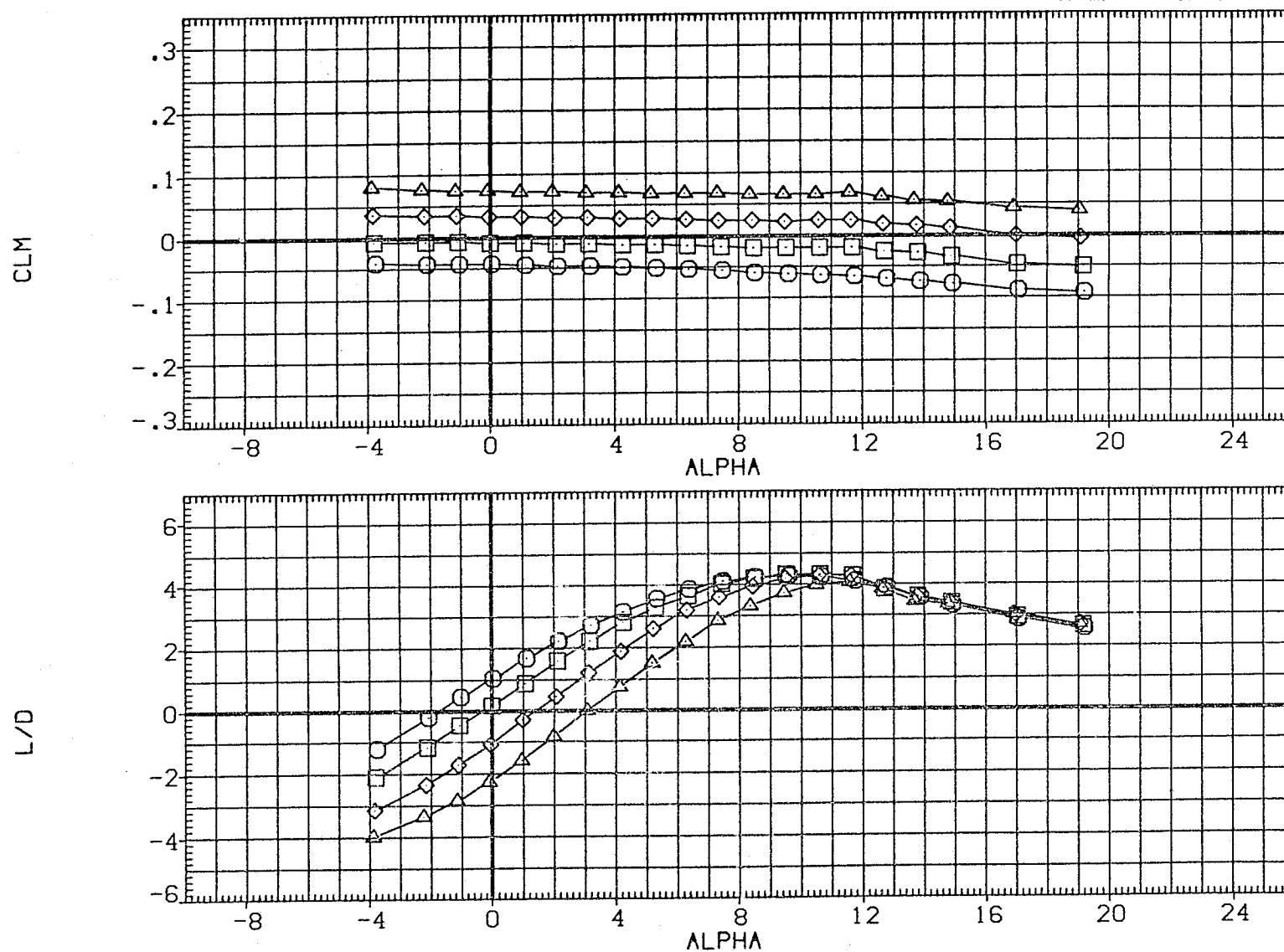


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3014)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(BJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ELEVON
10.000
5.000
.000
-5.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

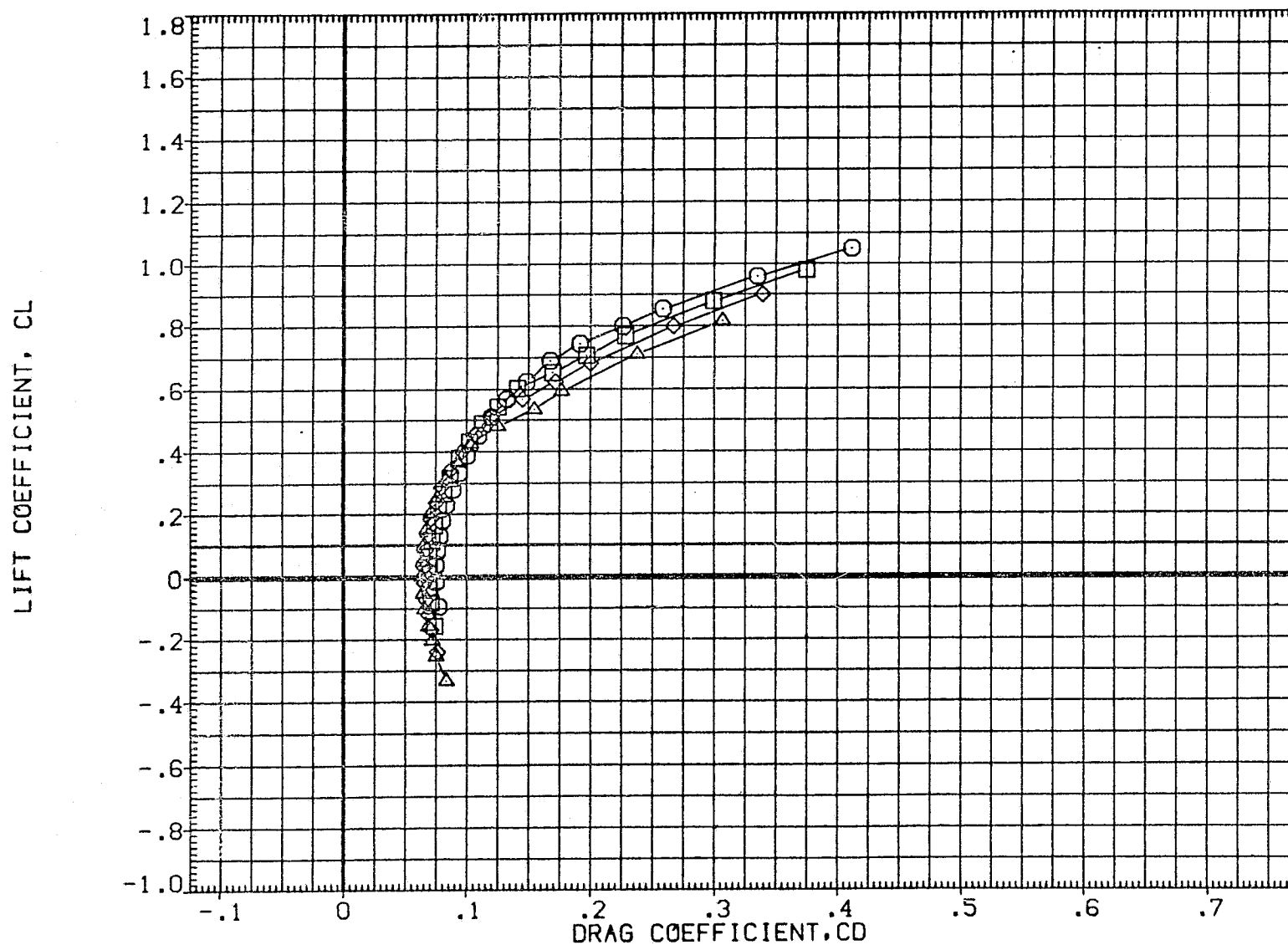


FIGURE 6. ELEVON CONTROL EFFECTIVENESS (AILERON = 2.0 DEGREES)
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

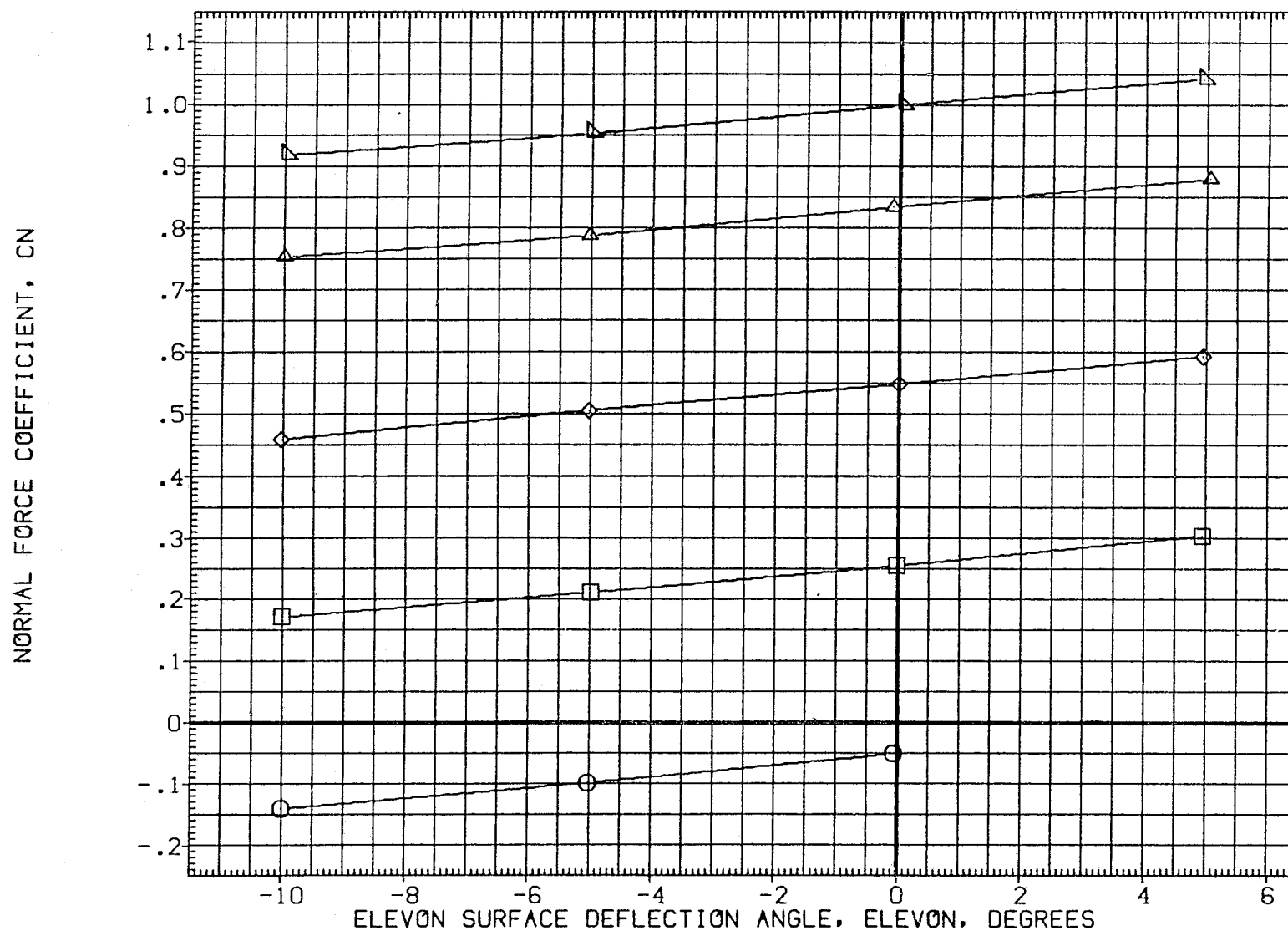


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

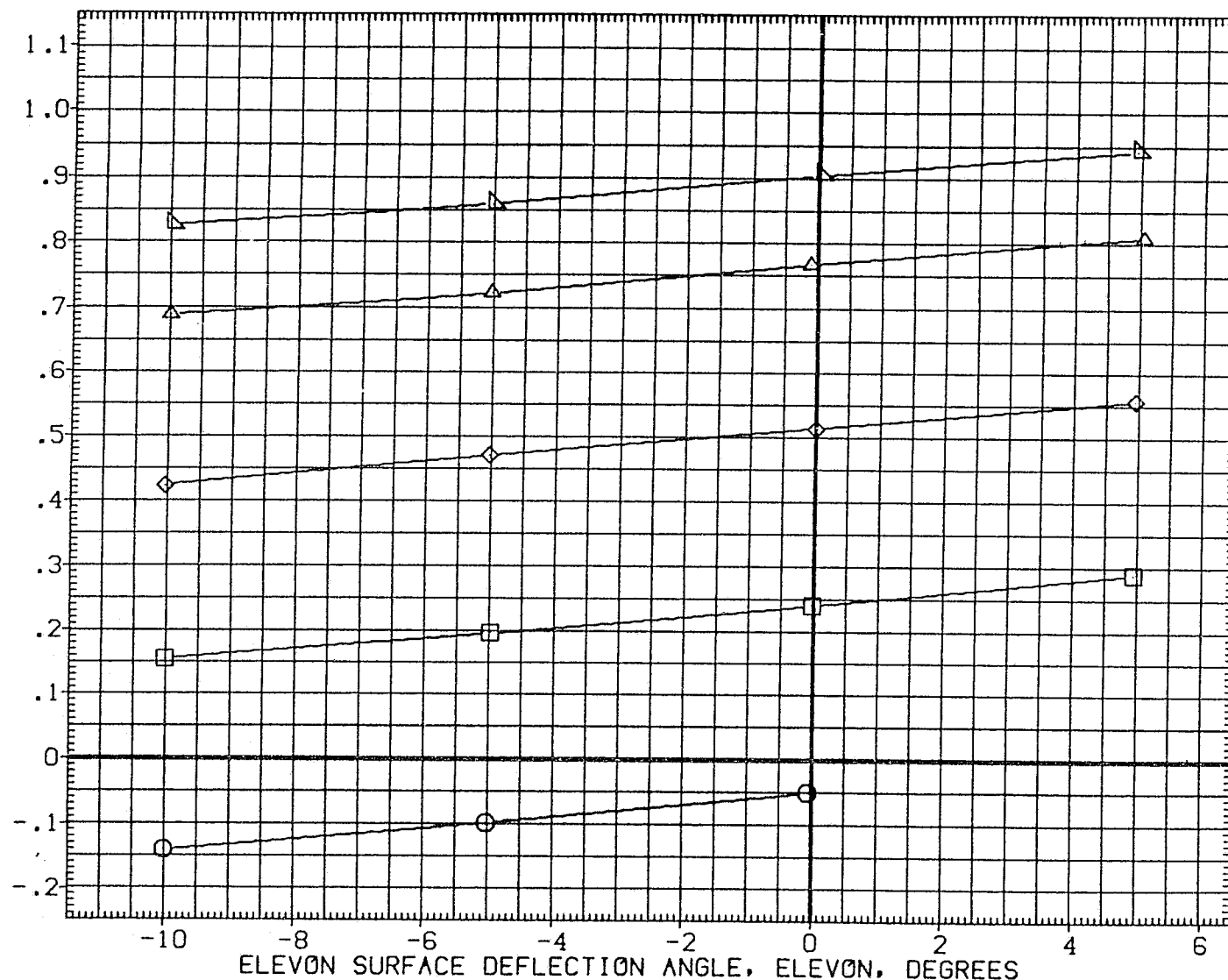


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

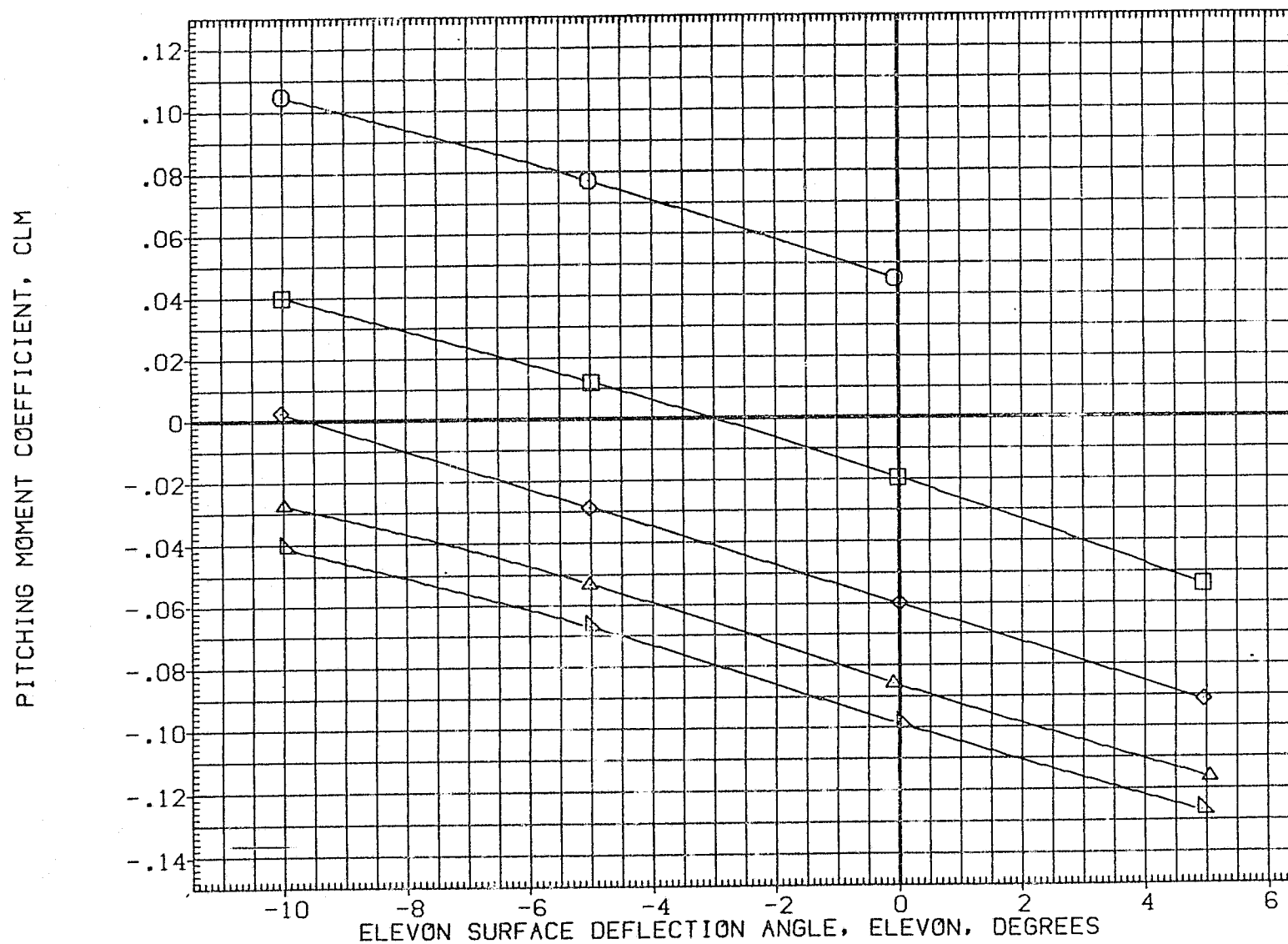


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

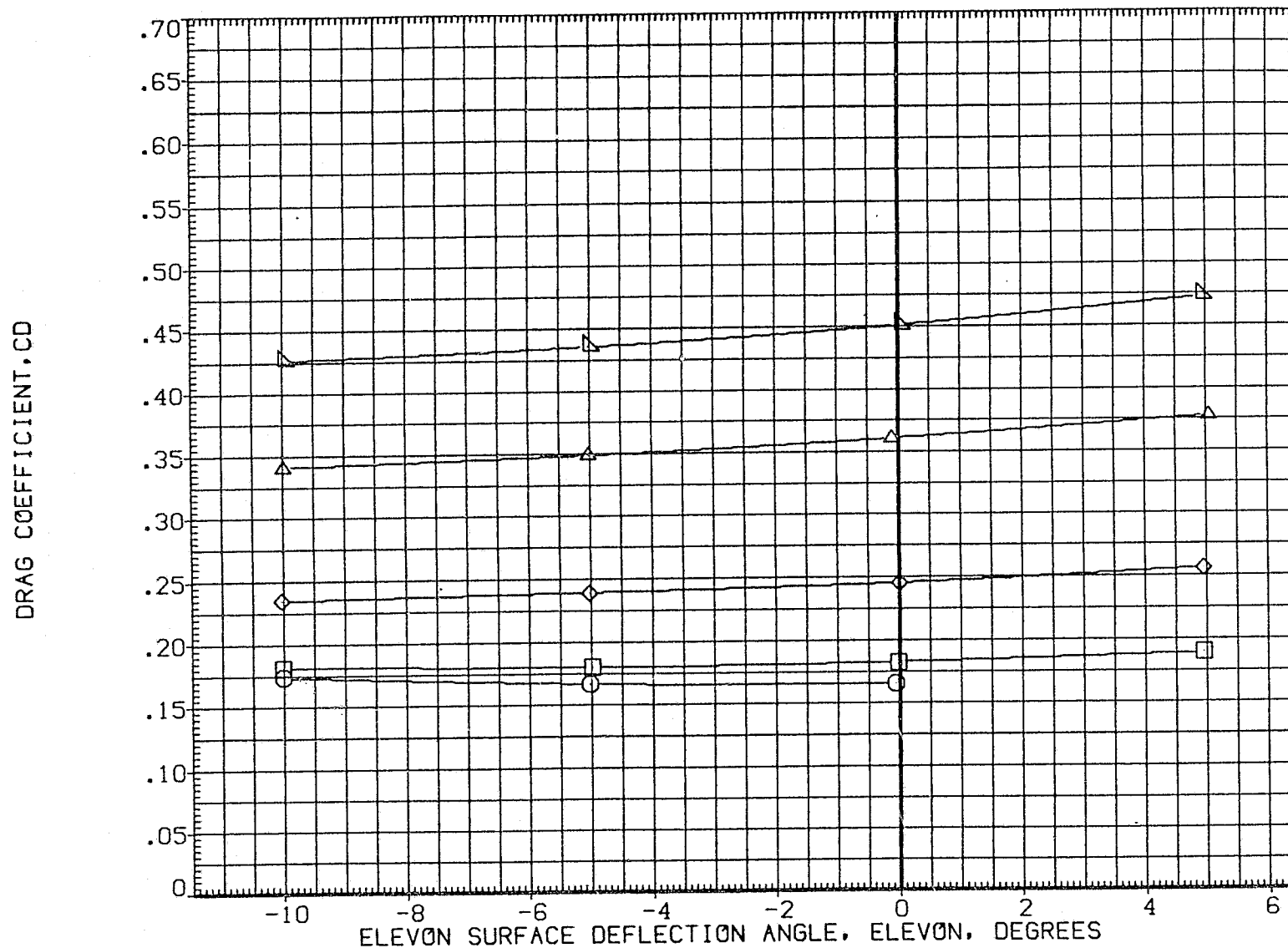


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

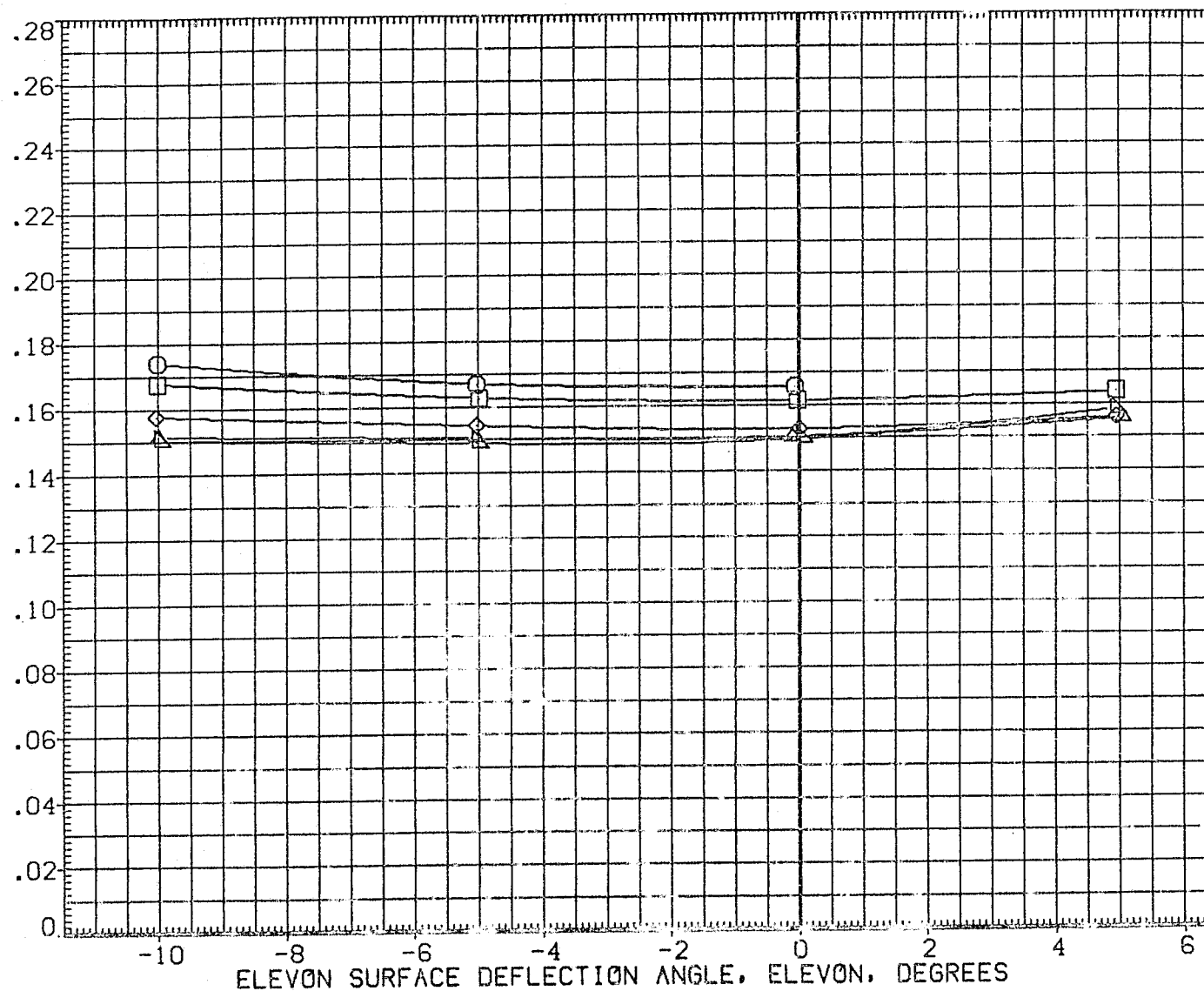


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
 .000
 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

LIFT/DRAG RATIO, L/D

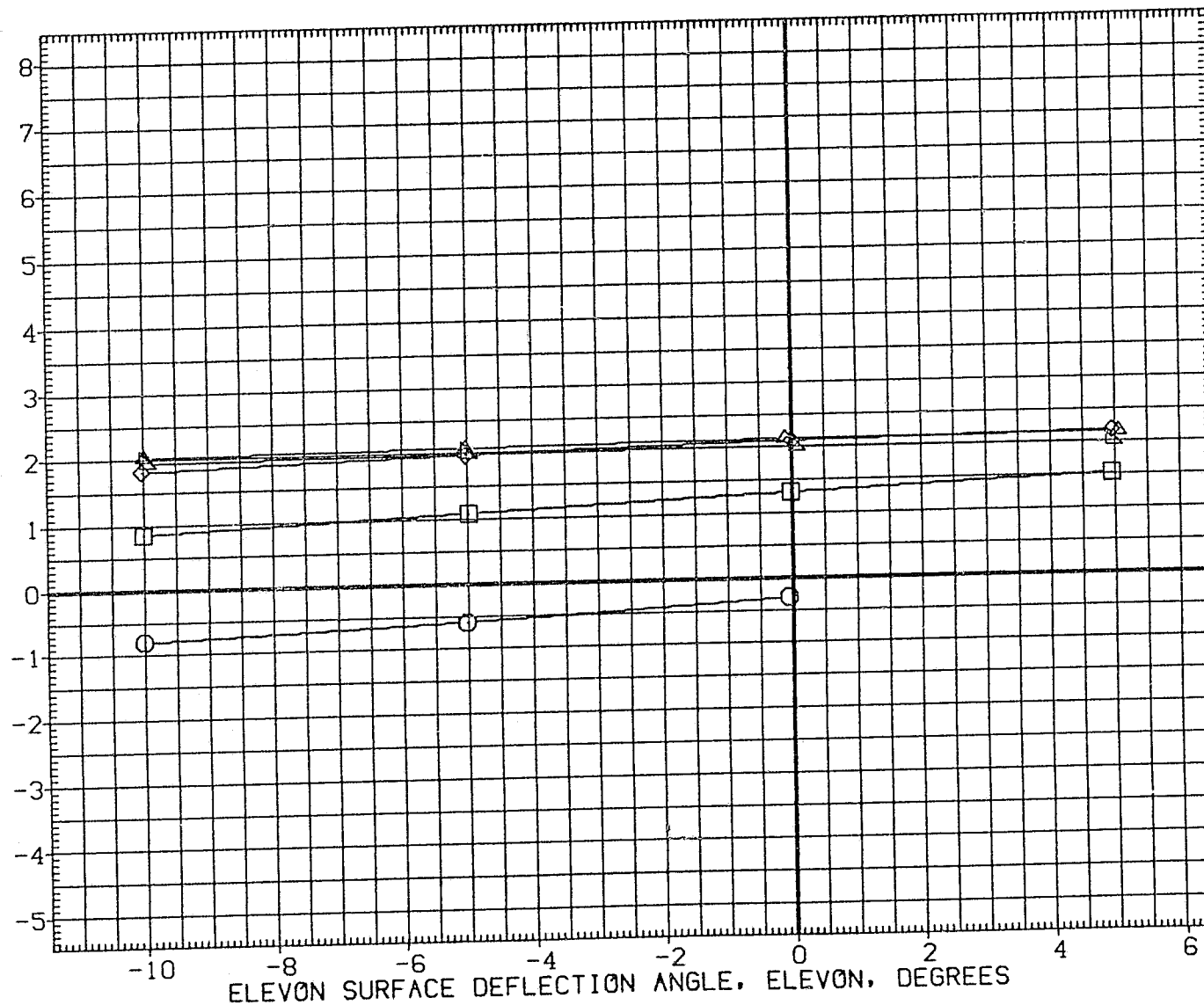


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

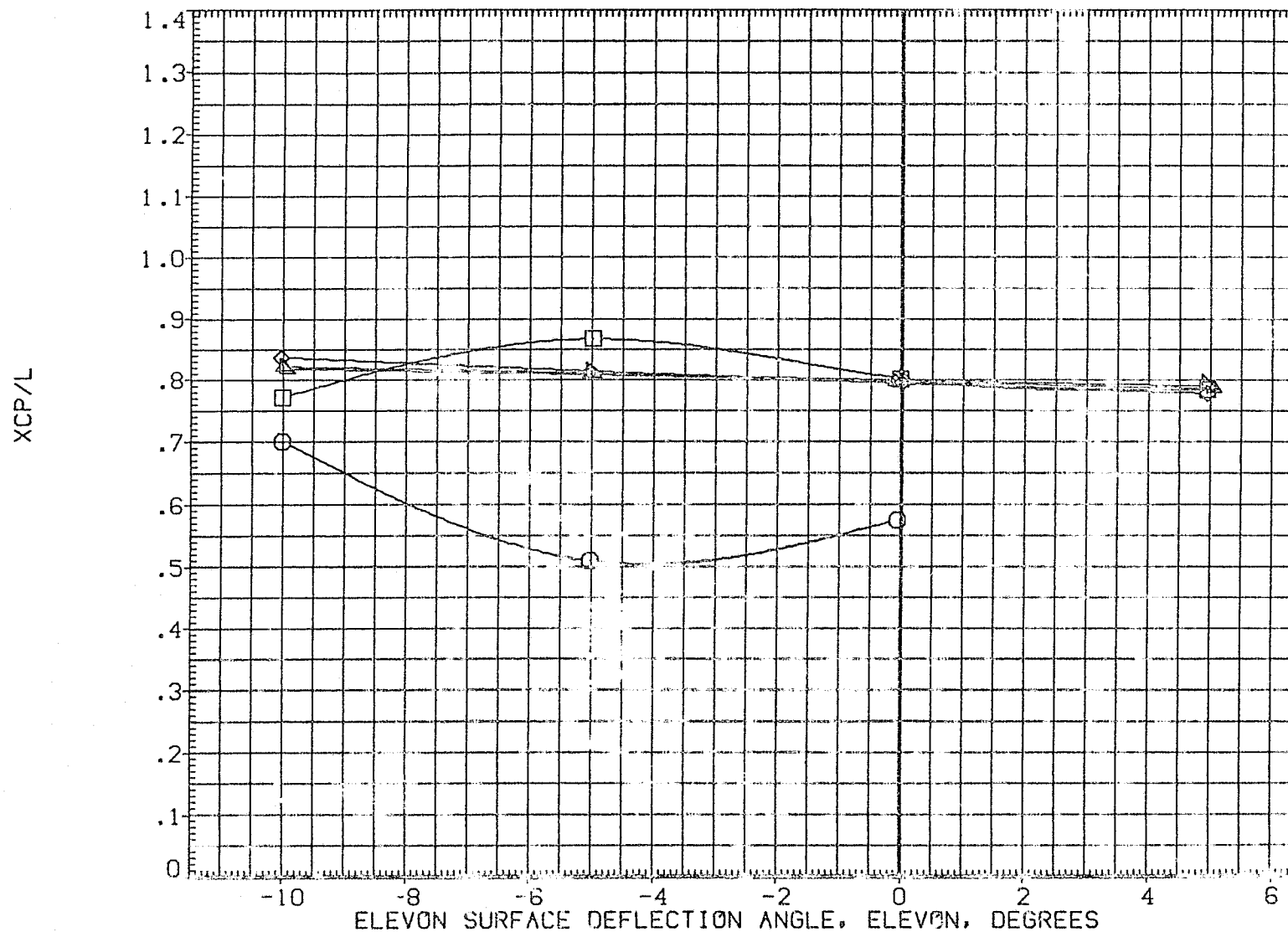


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

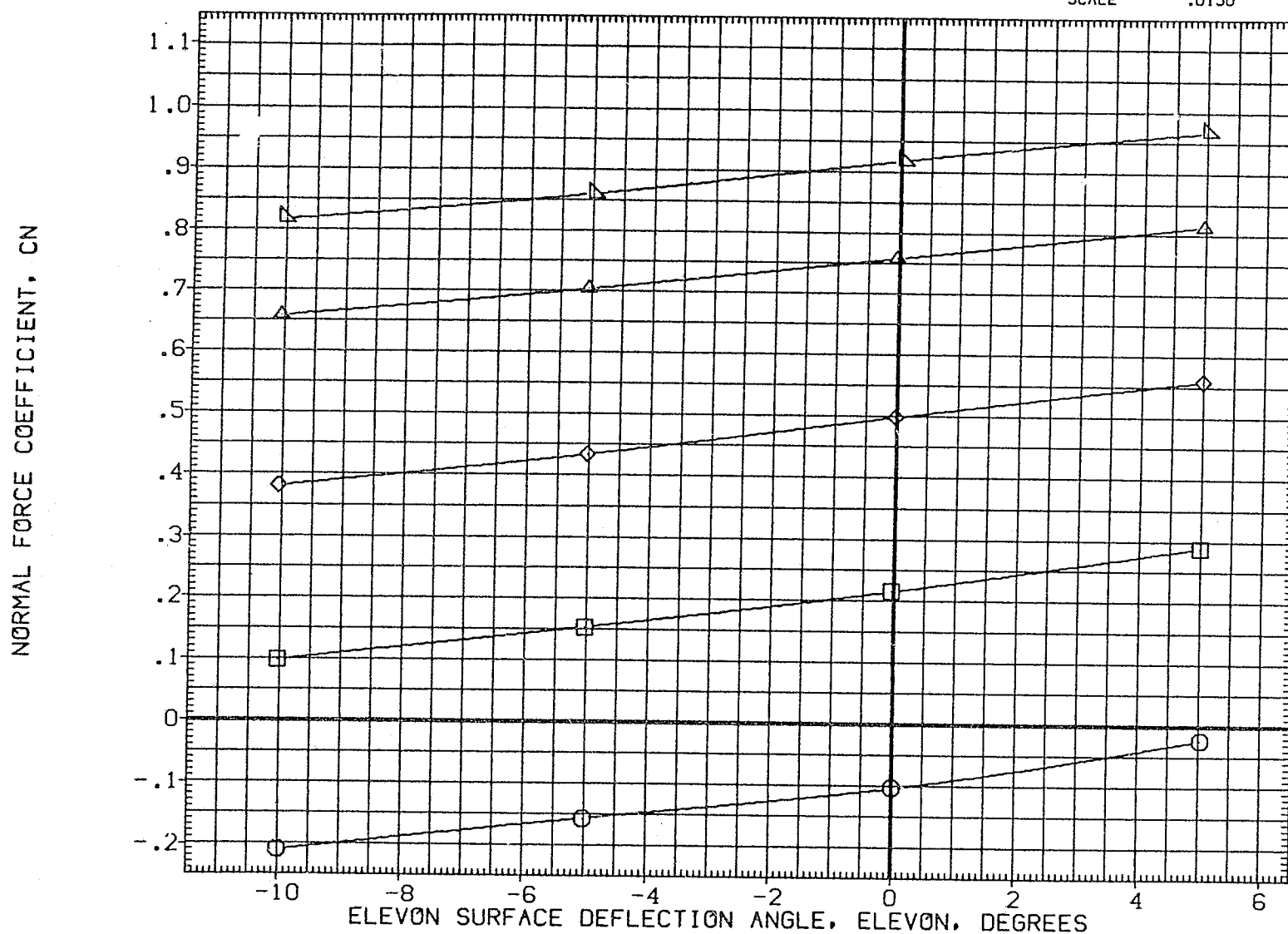


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

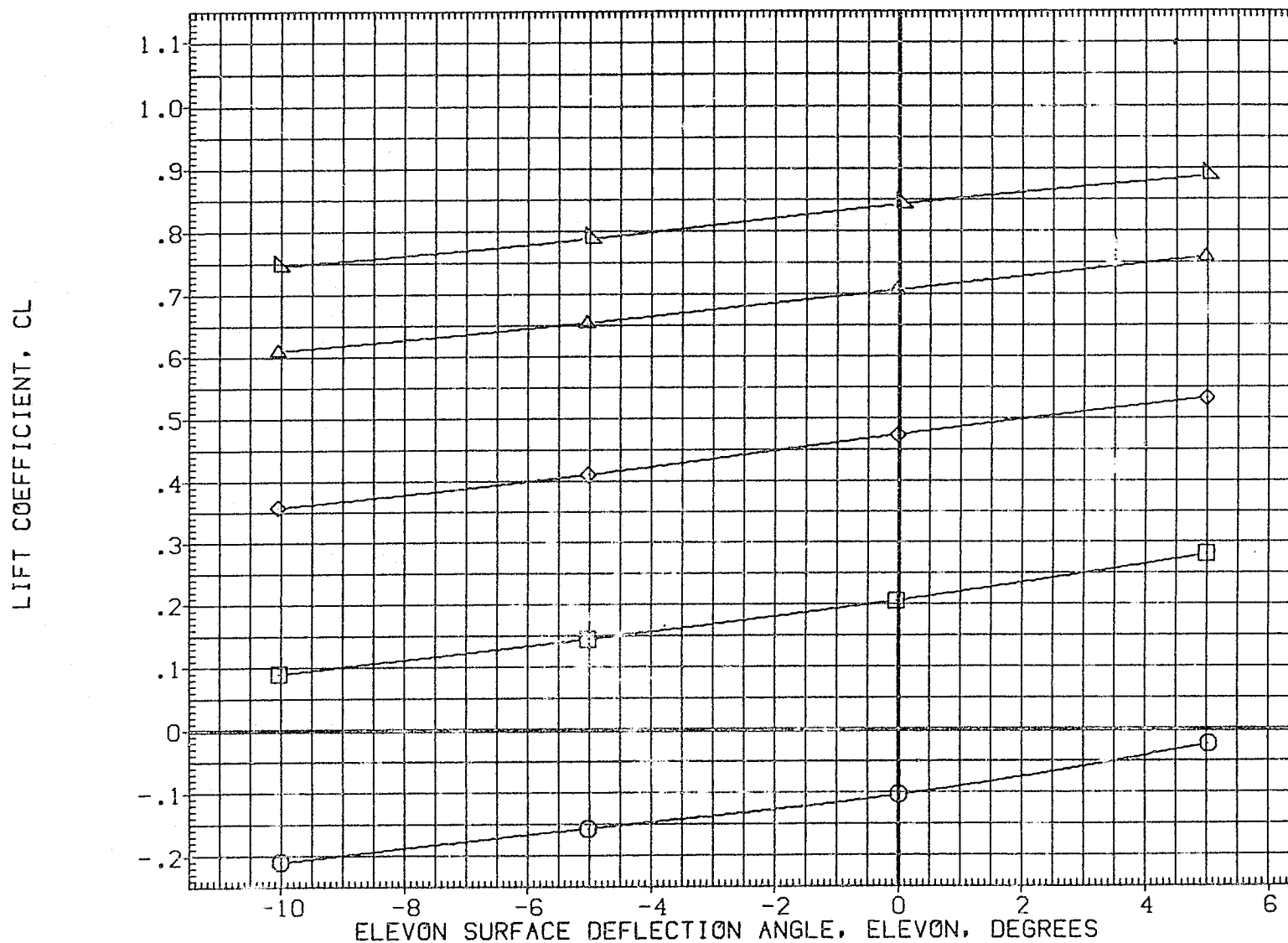


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1075.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

PITCHING MOMENT COEFFICIENT, CLM

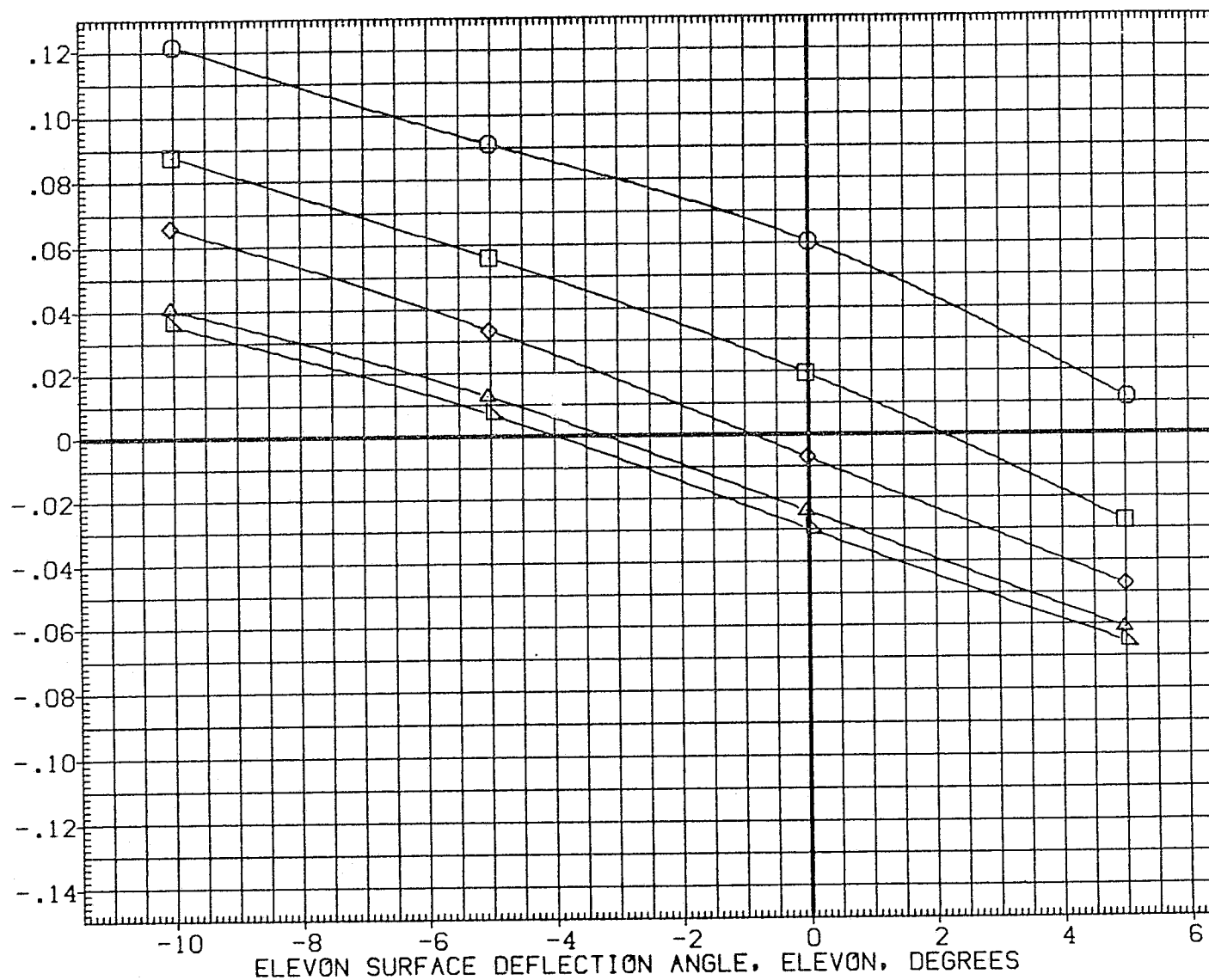


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

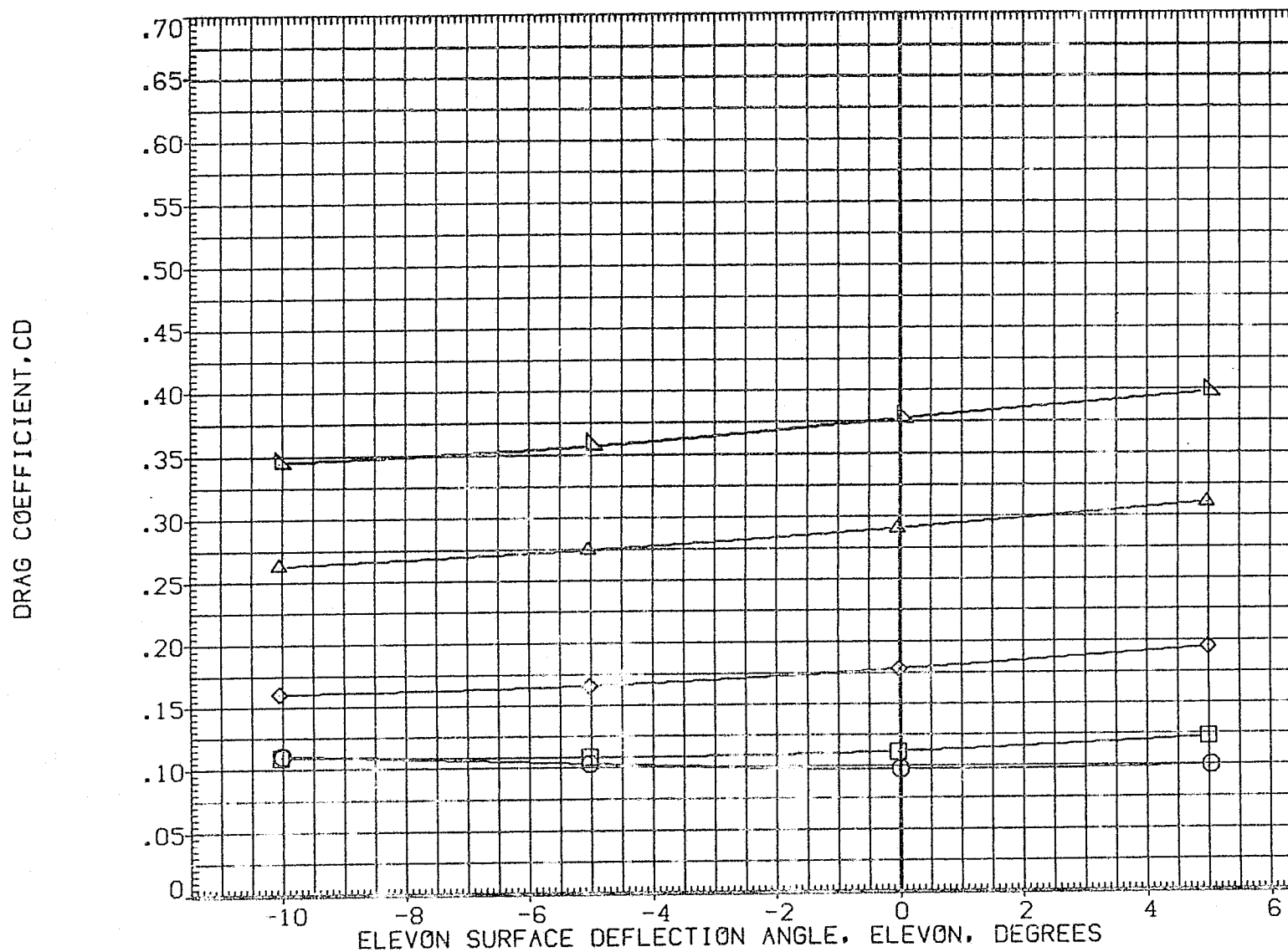


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
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18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

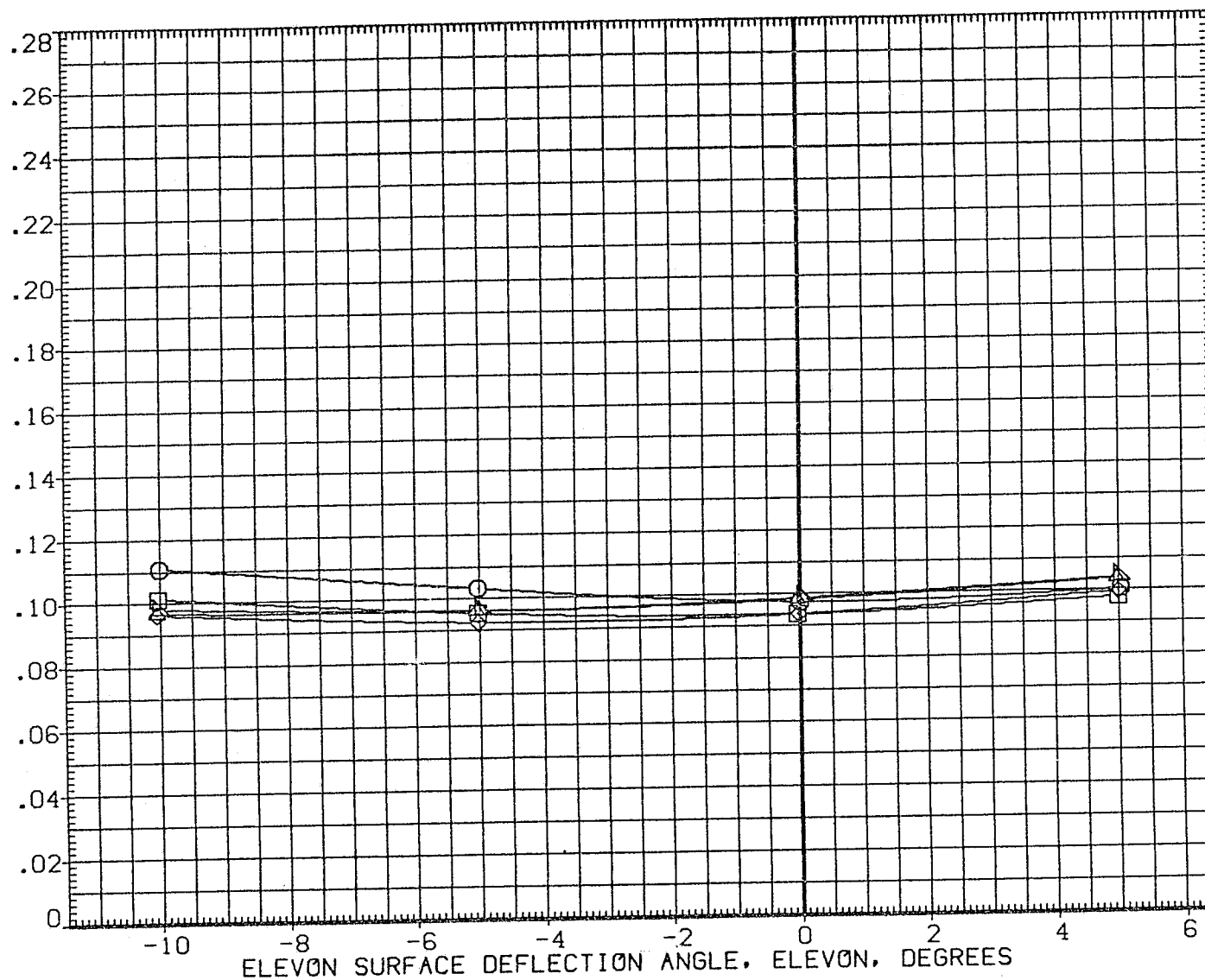


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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18.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

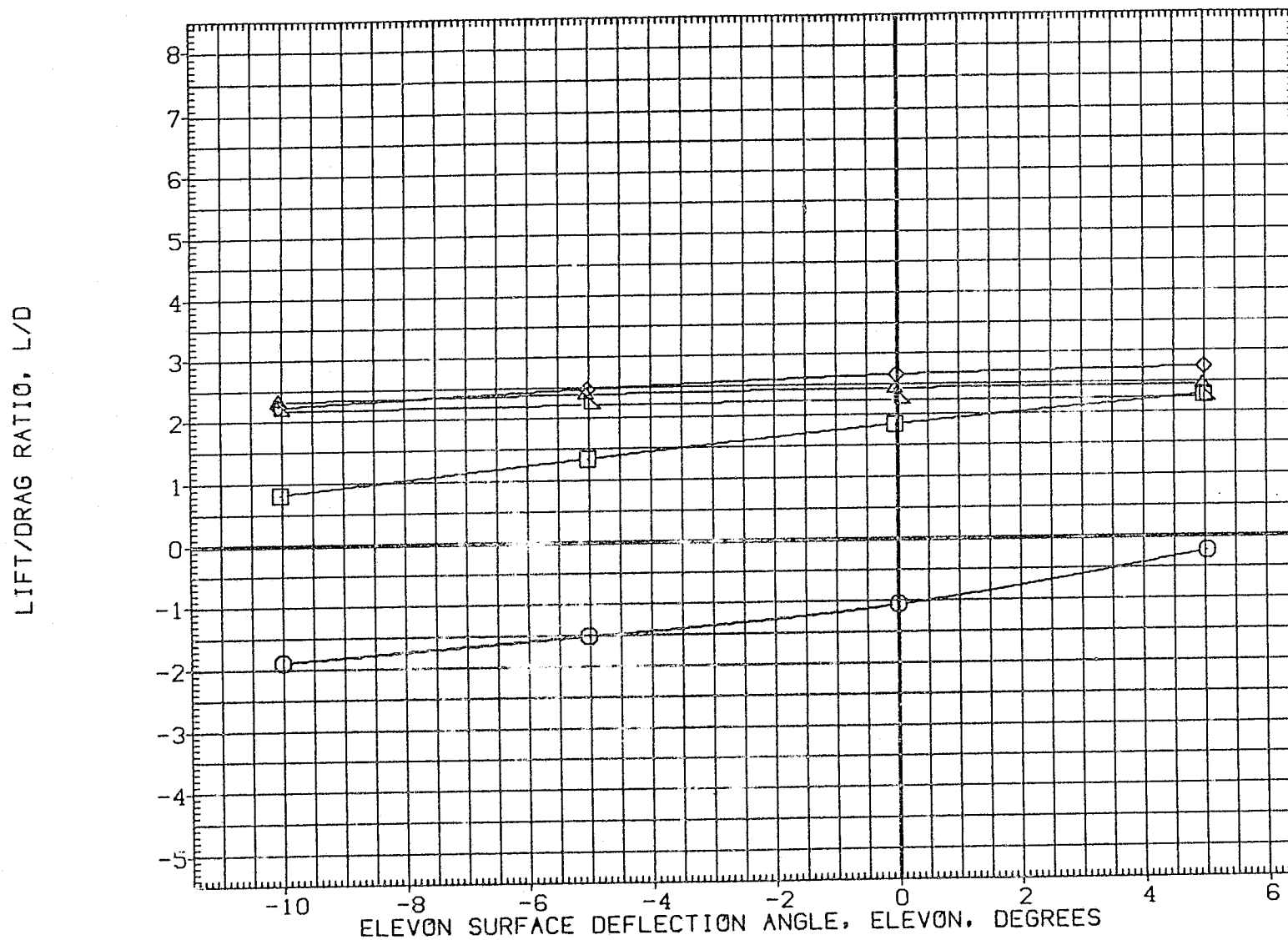


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

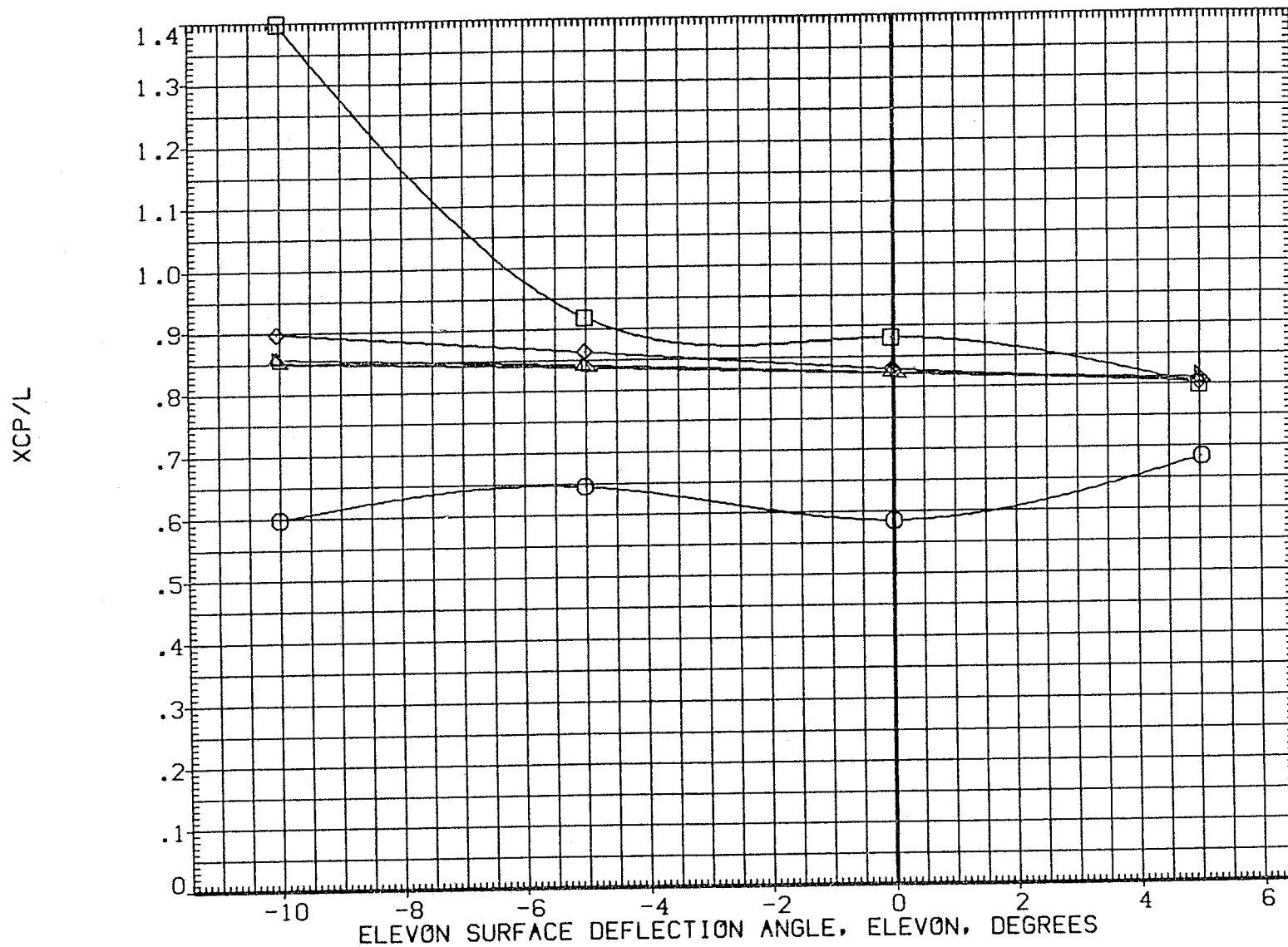


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

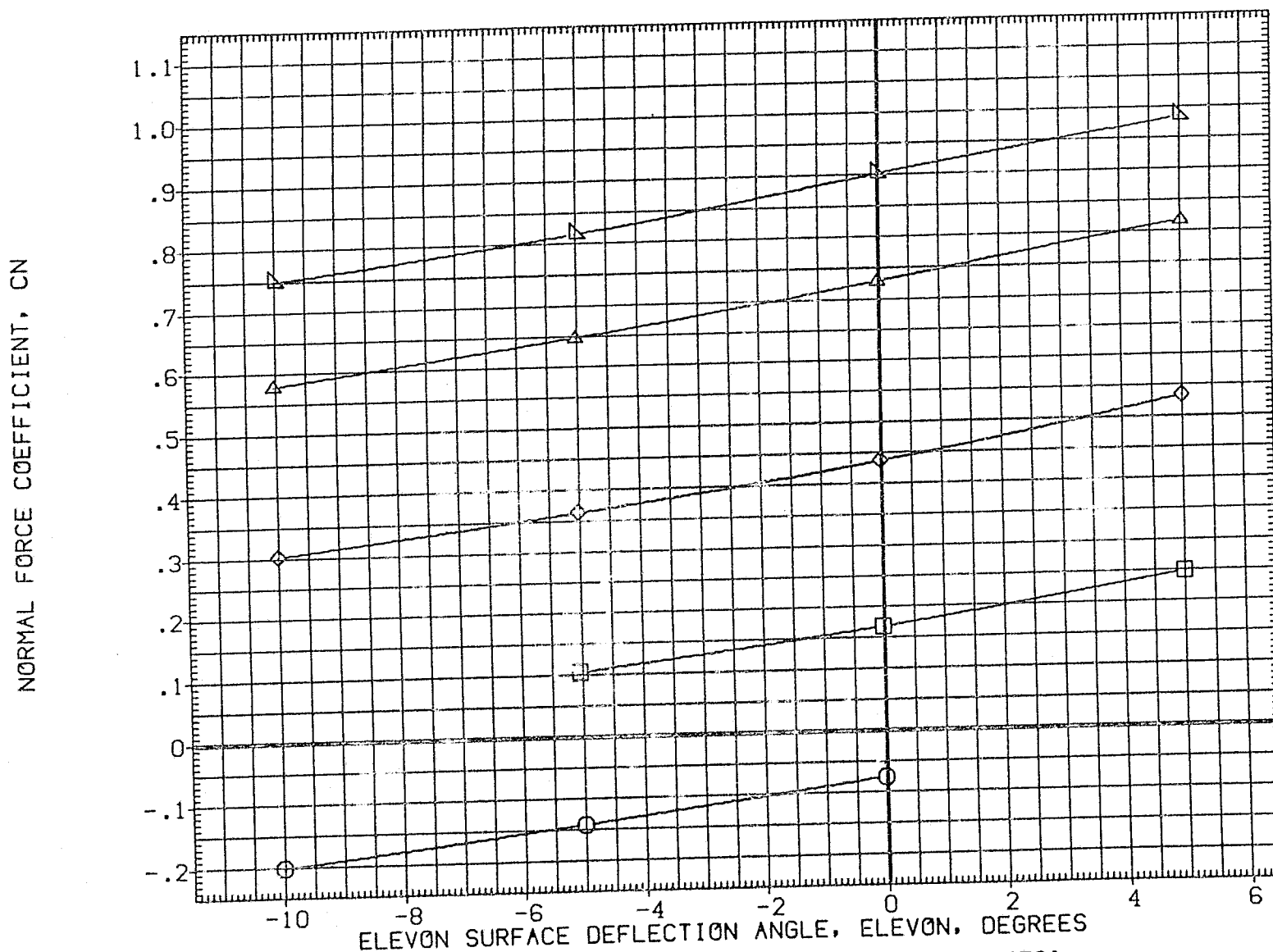


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
3.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

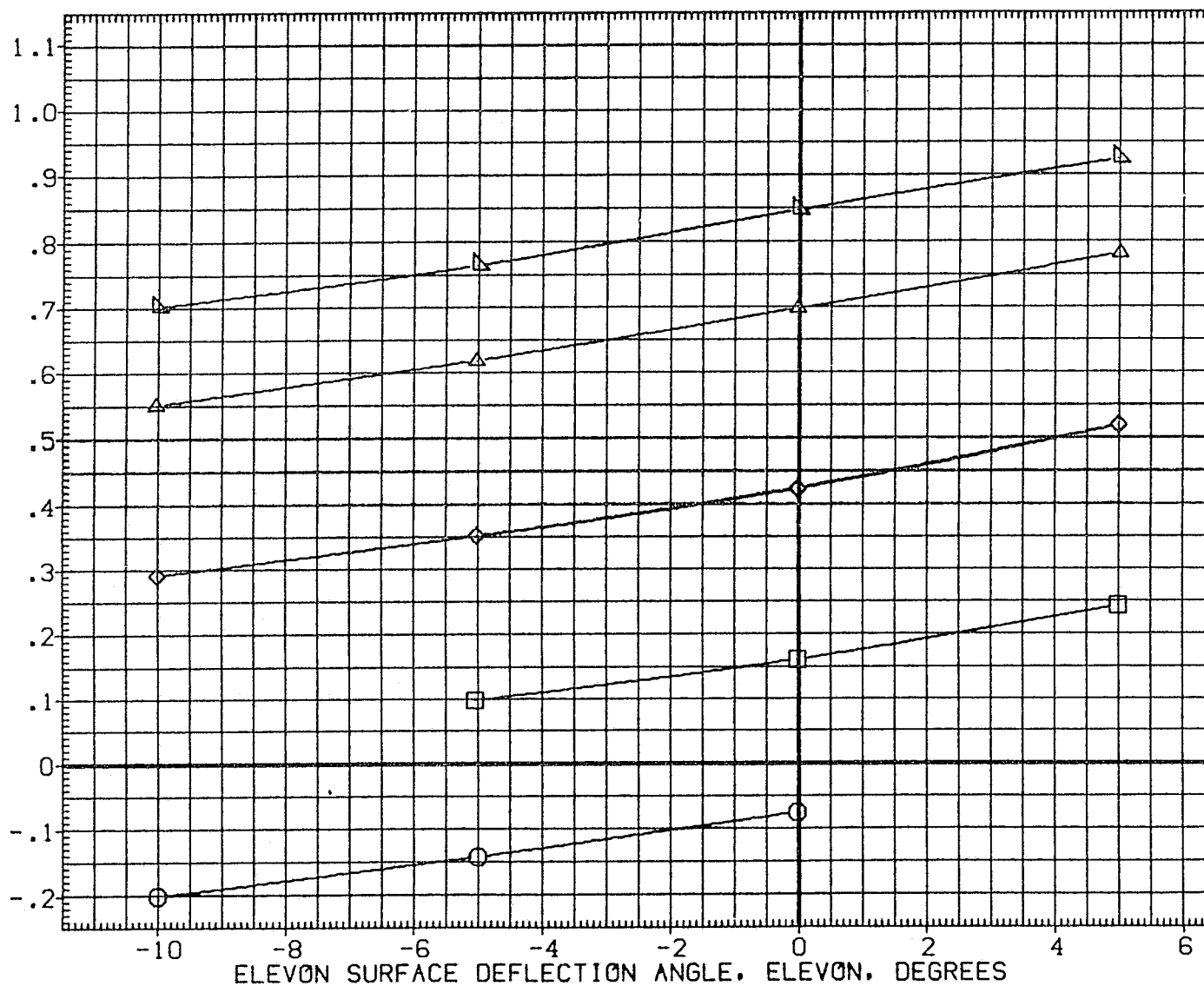


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

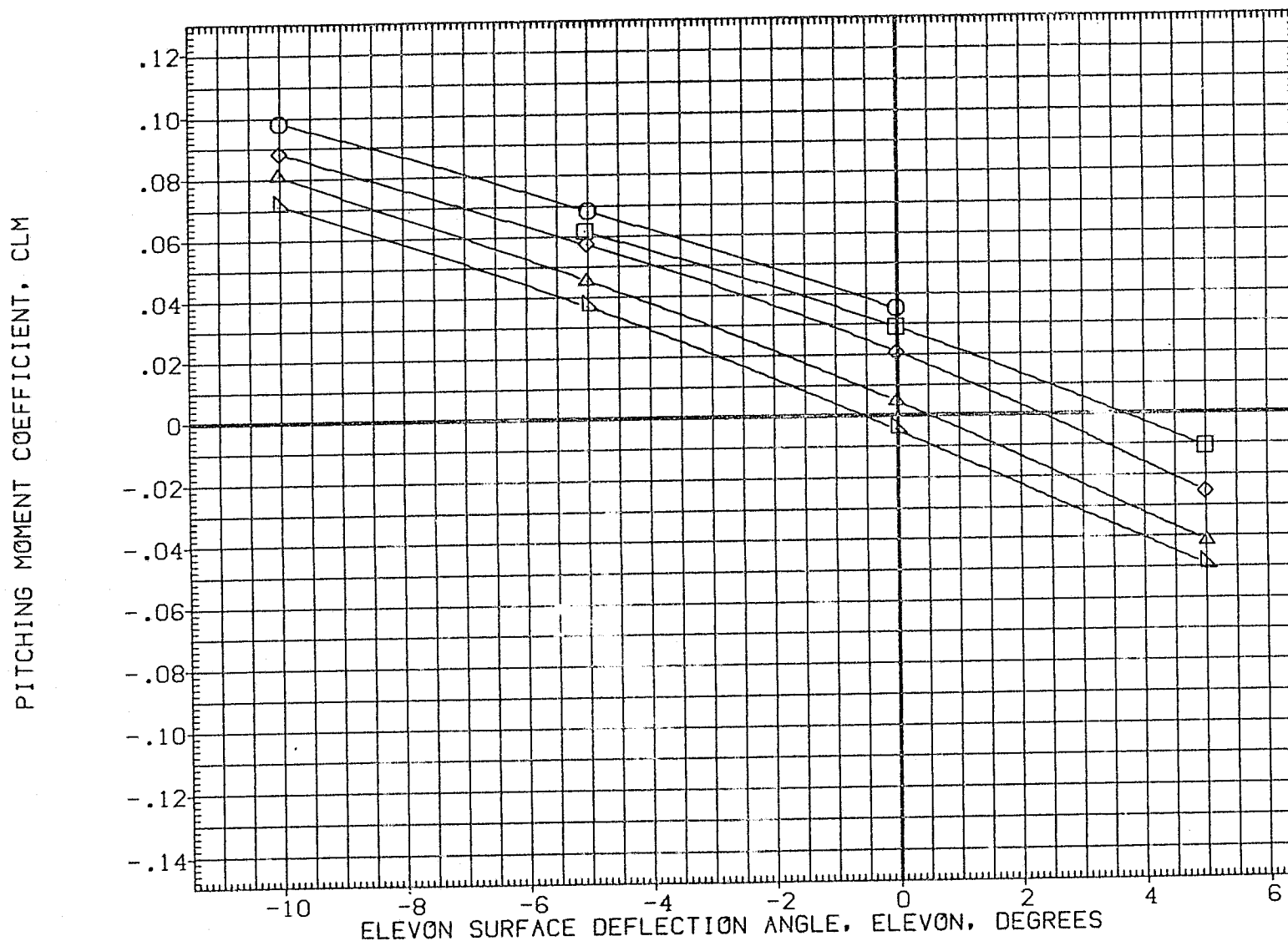


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
 .000
 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

DRAG COEFFICIENT, CD

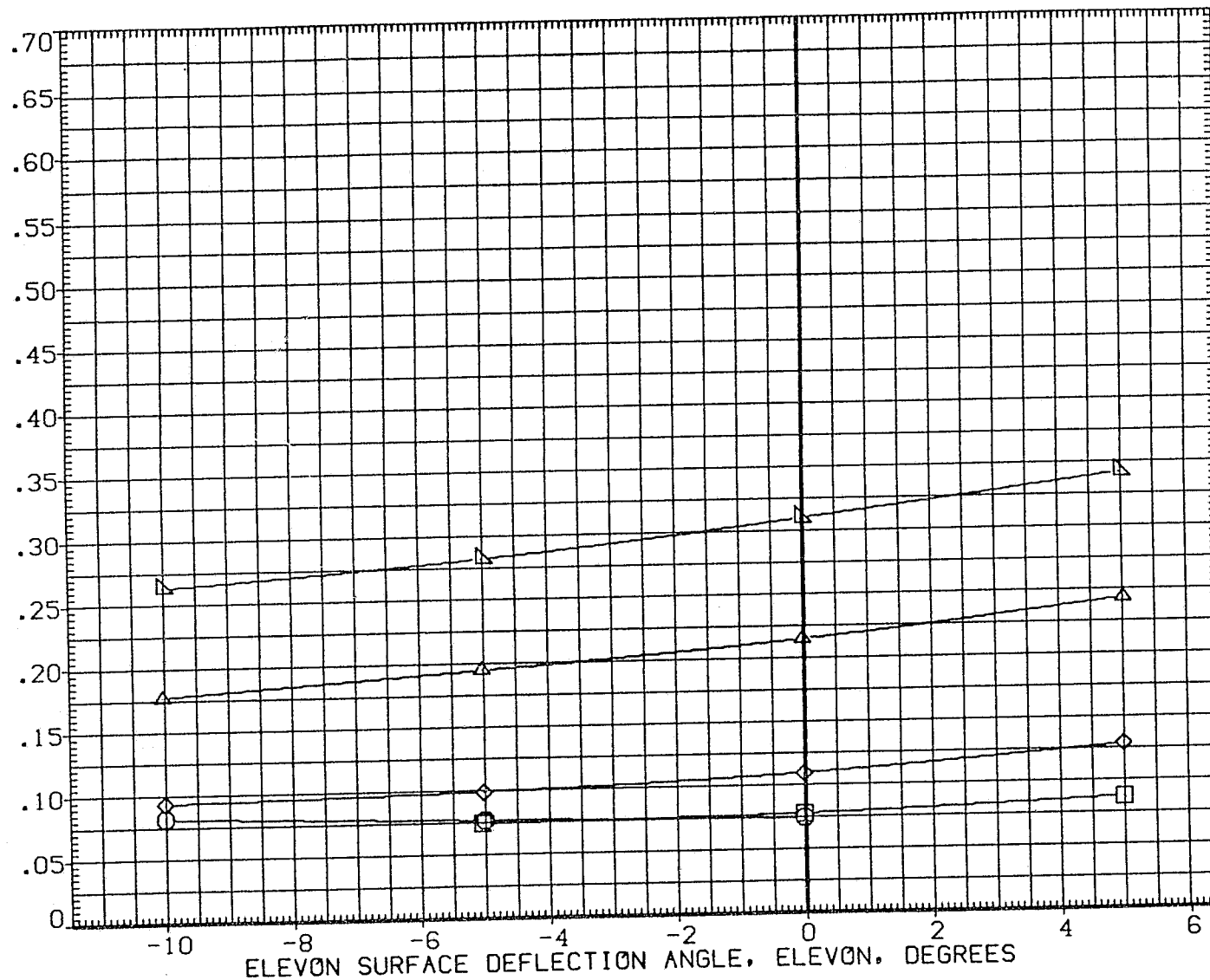


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

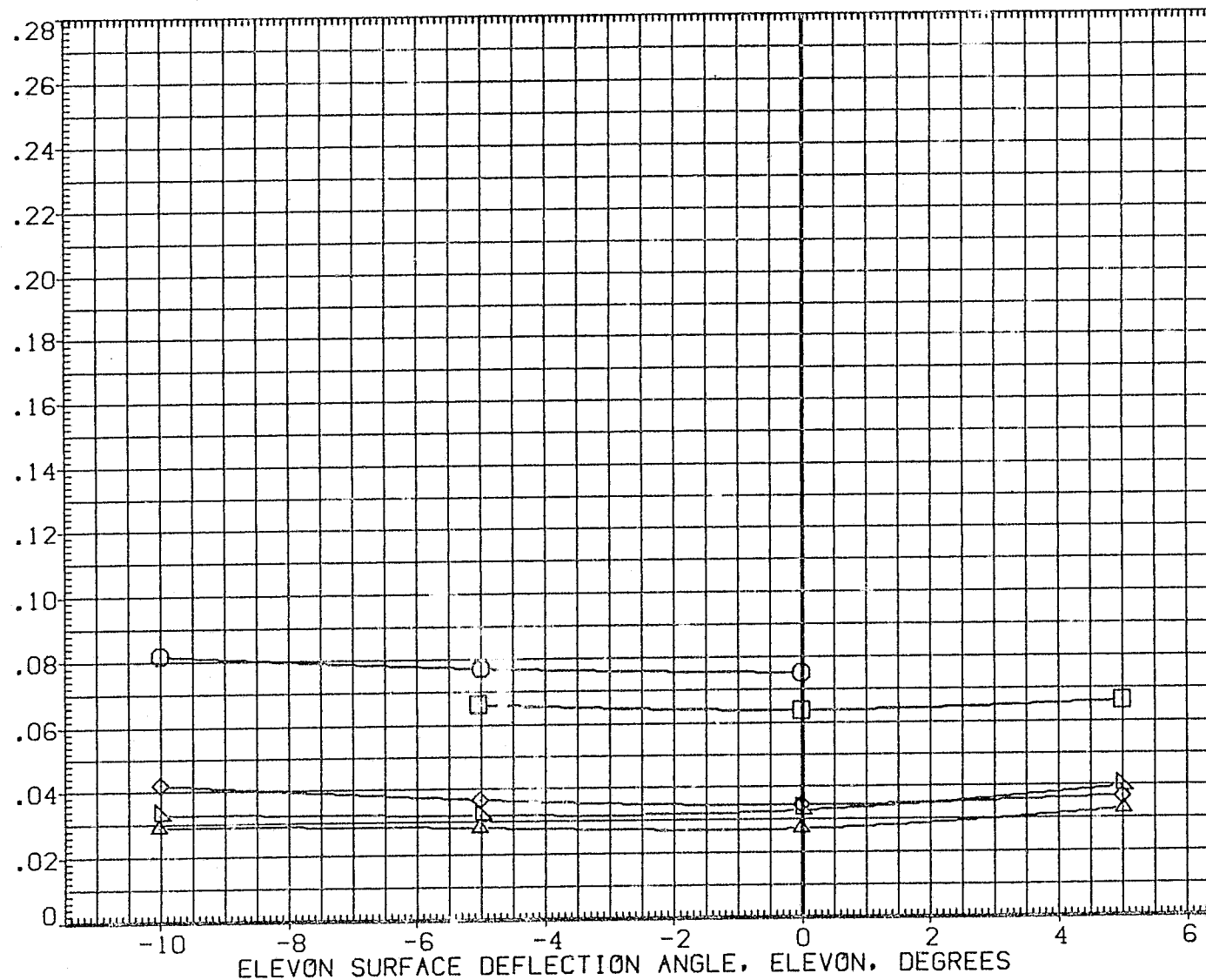


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ZJ3X18)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT/DRAG RATIO, L/D

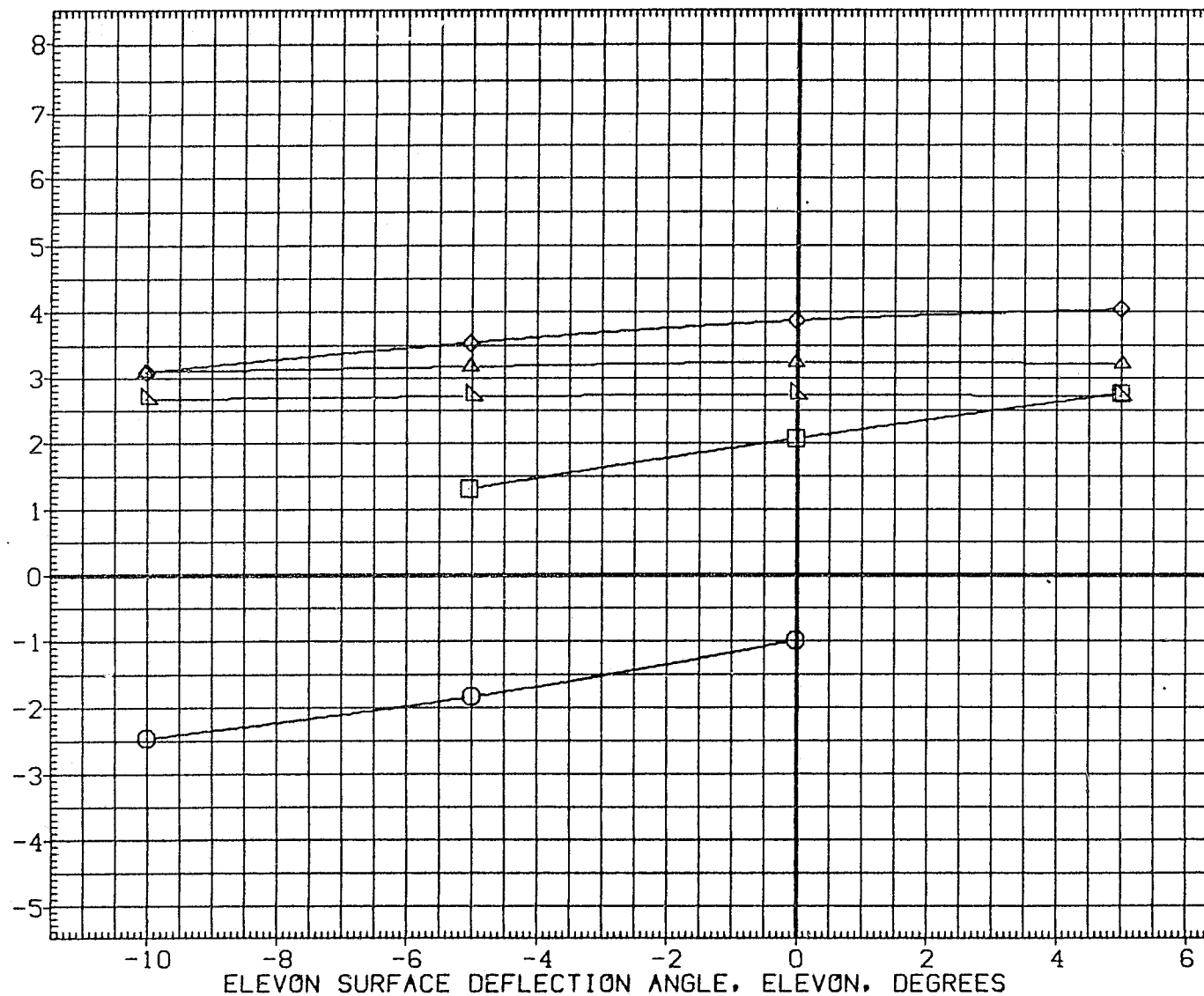


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ZJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(ZJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

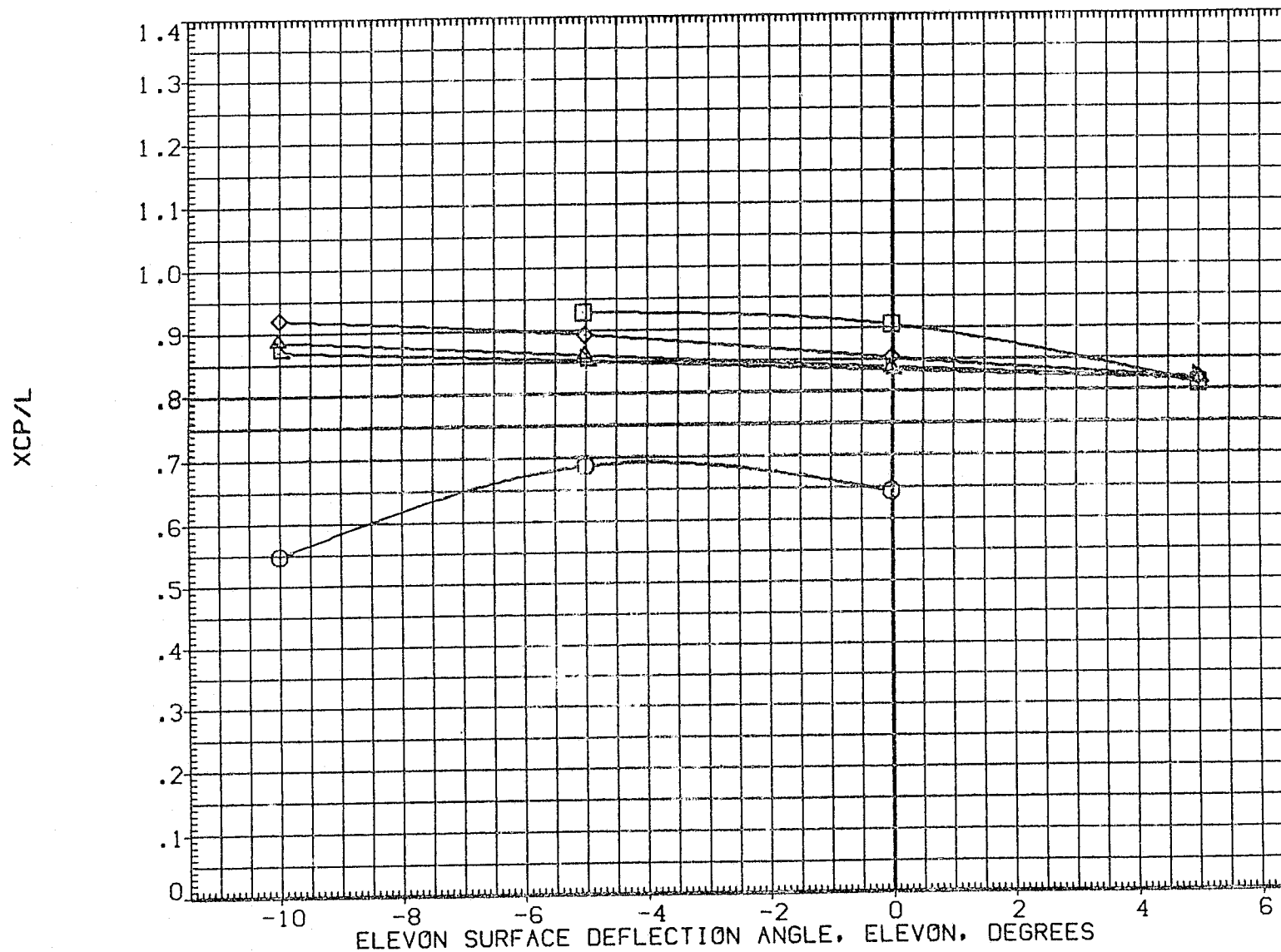


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	REFERENCE INFORMATION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER	.000	SREF 2690.0000 SQ.FT.
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER	5.000	LREF 474.8000 INCHES
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER	10.000	BREF 936.6800 INCHES
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER	15.000	XMRP 1076.7000 IN. X0
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER	18.000	YMRP .0000 IN. Y0
			ZMRP 375.0000 IN. Z0
			SCALE .0150

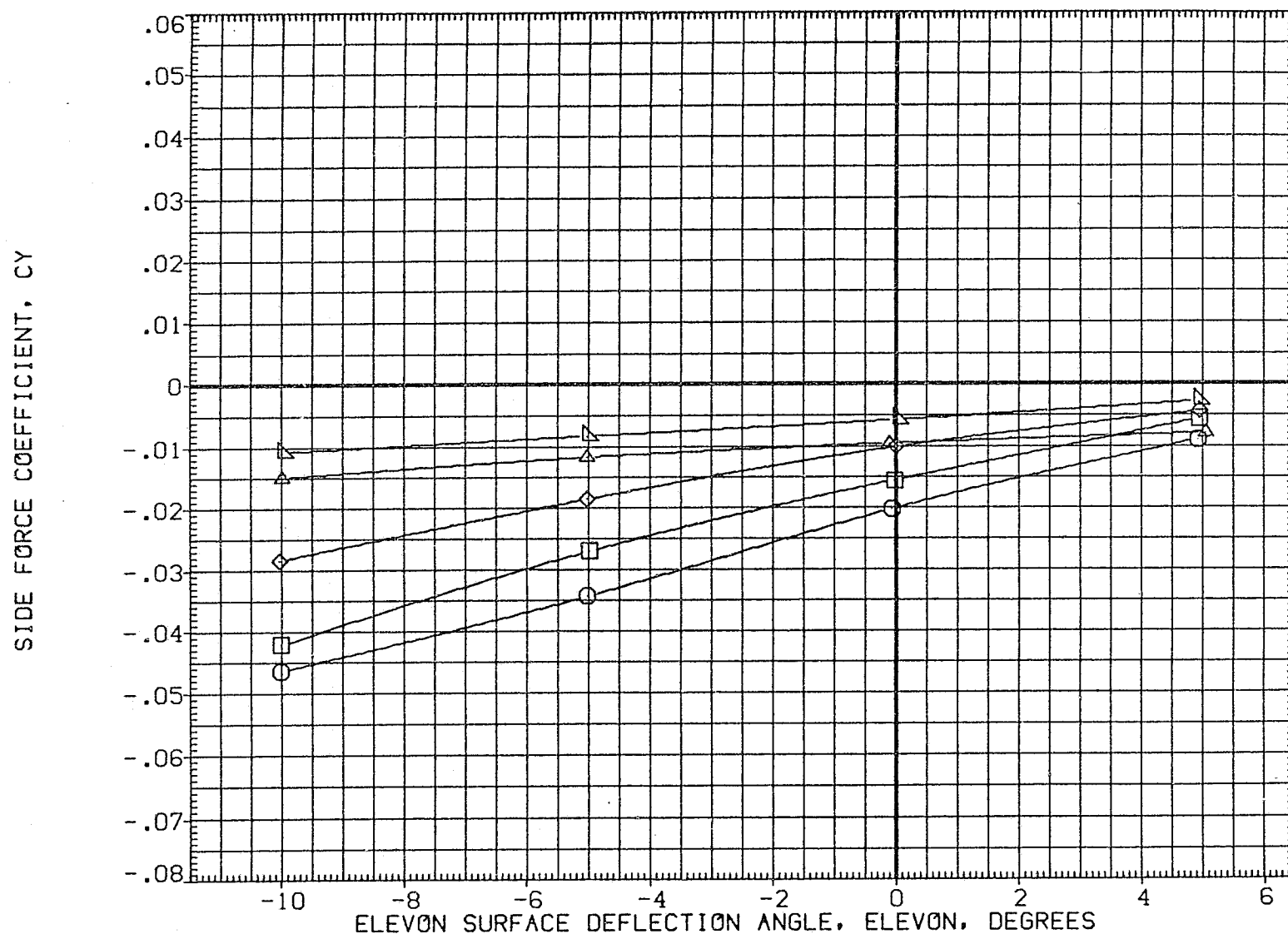


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
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18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

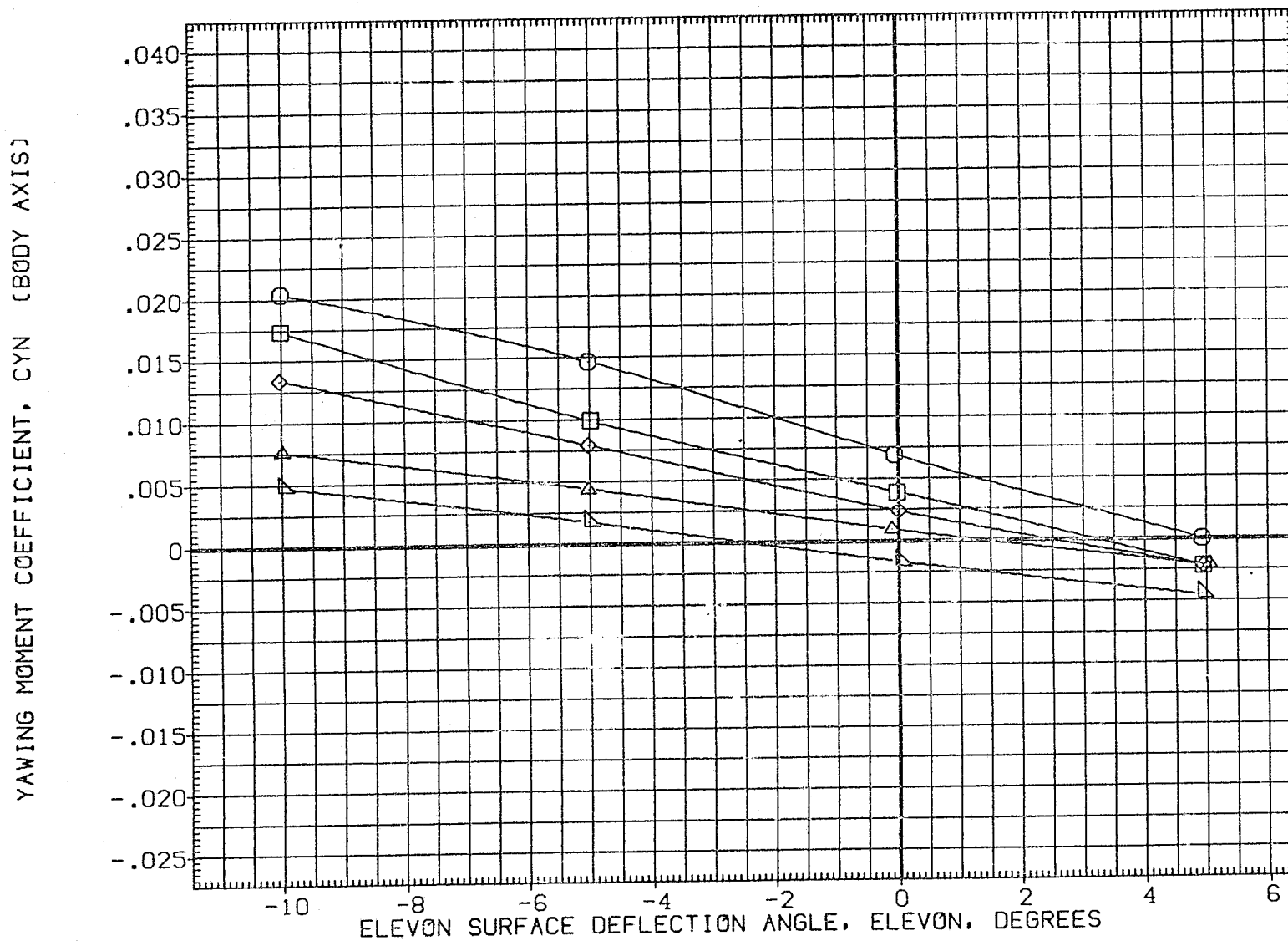


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = 1.20

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

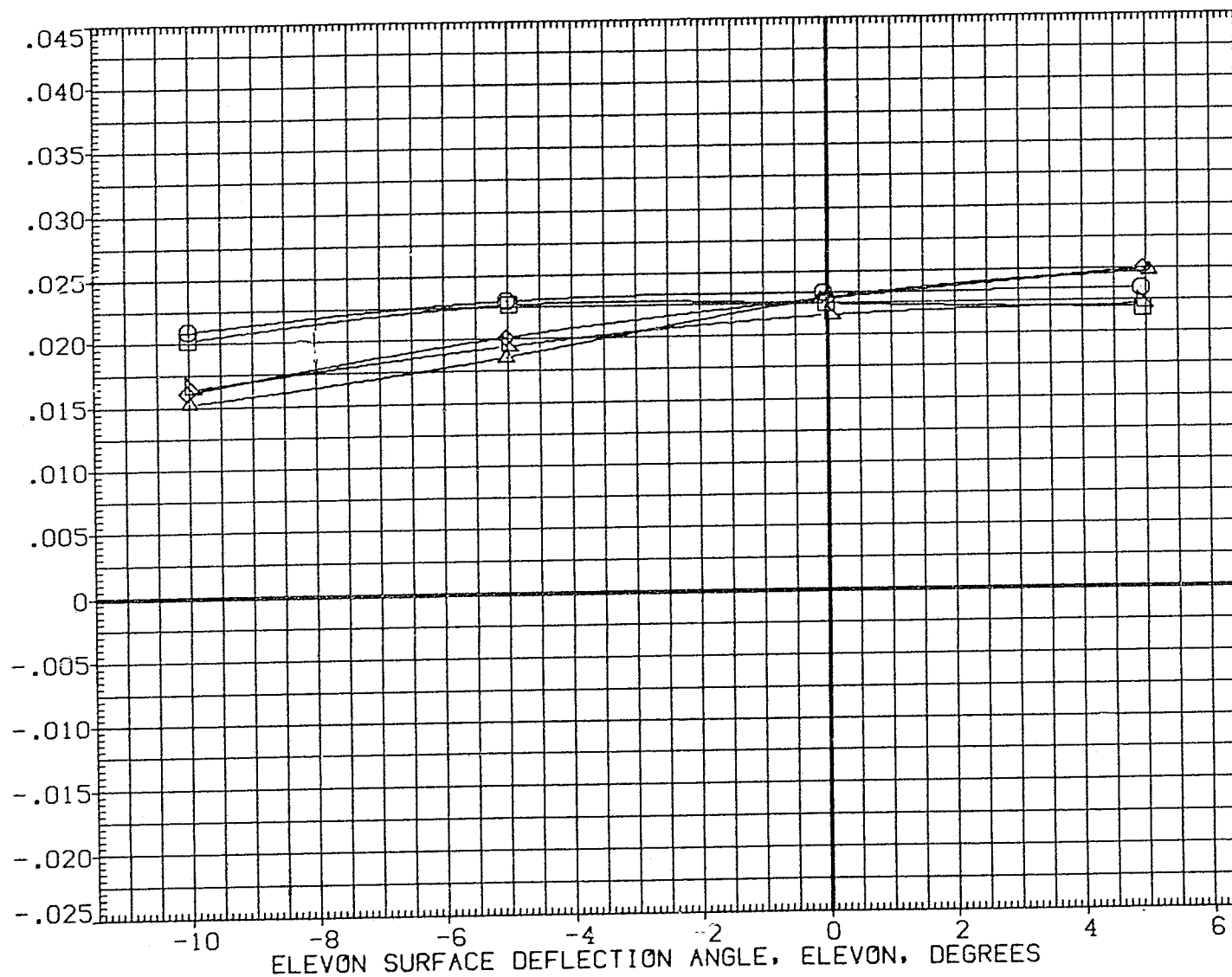


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

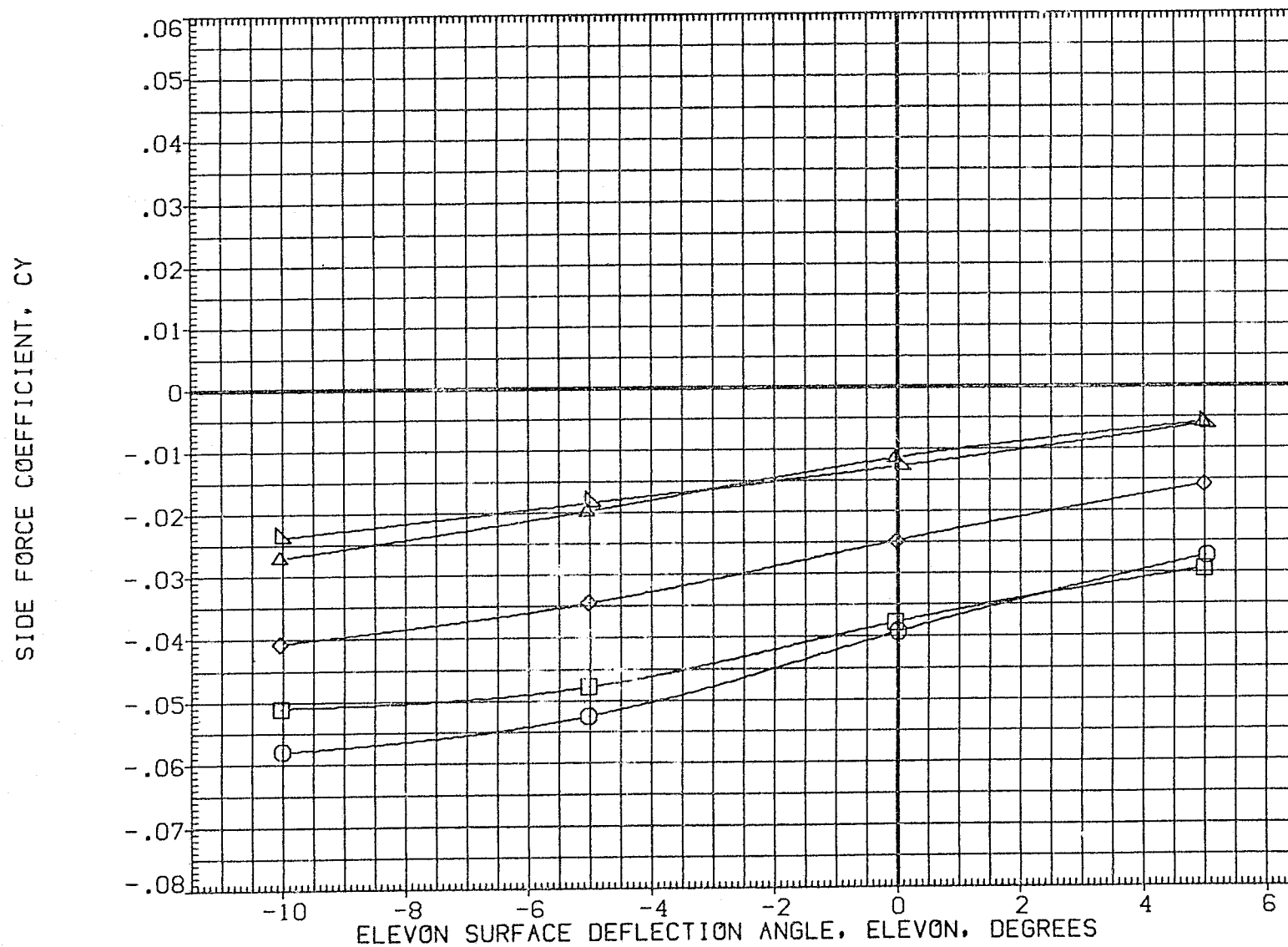


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

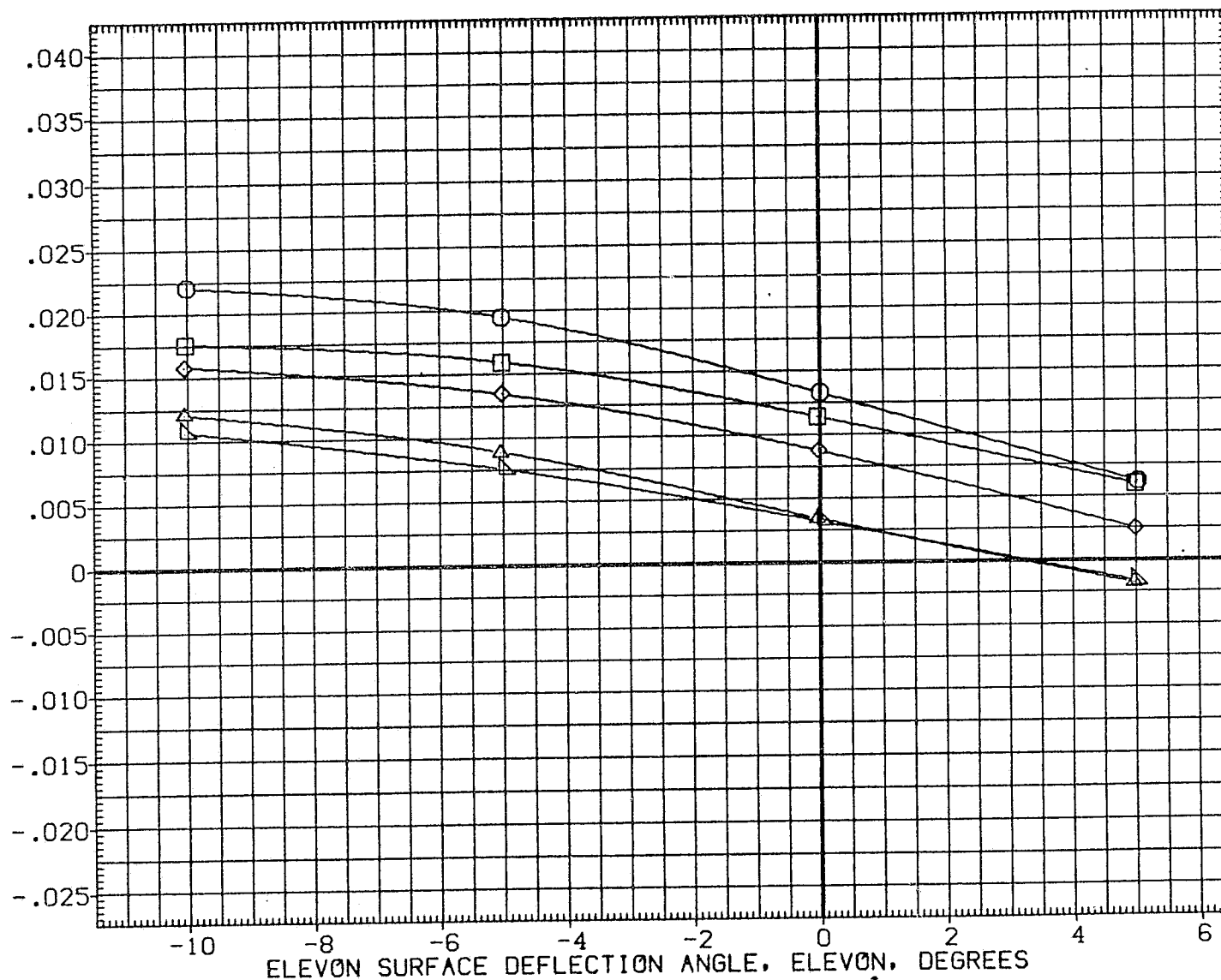


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

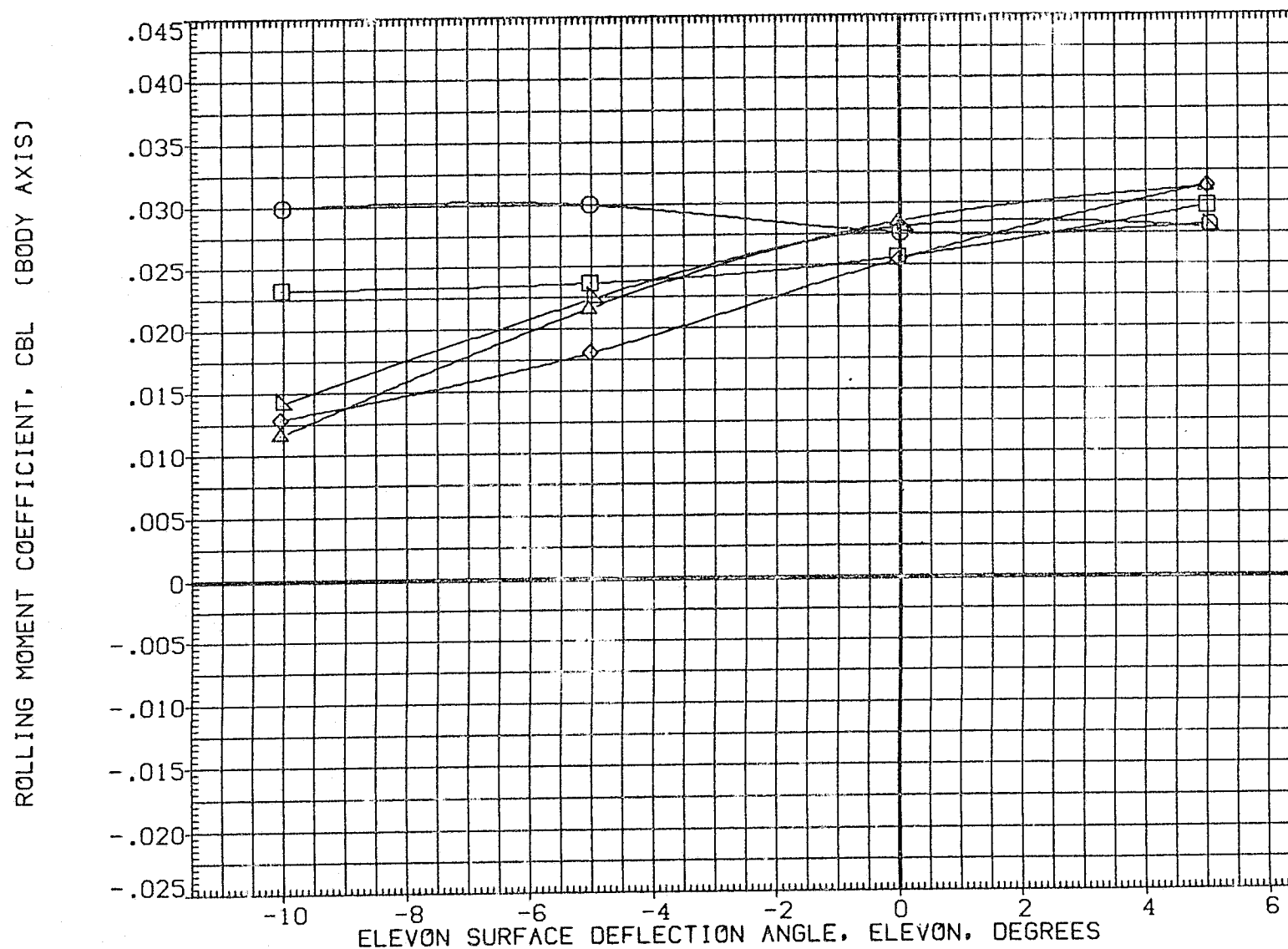


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

SIDE FORCE COEFFICIENT, CY

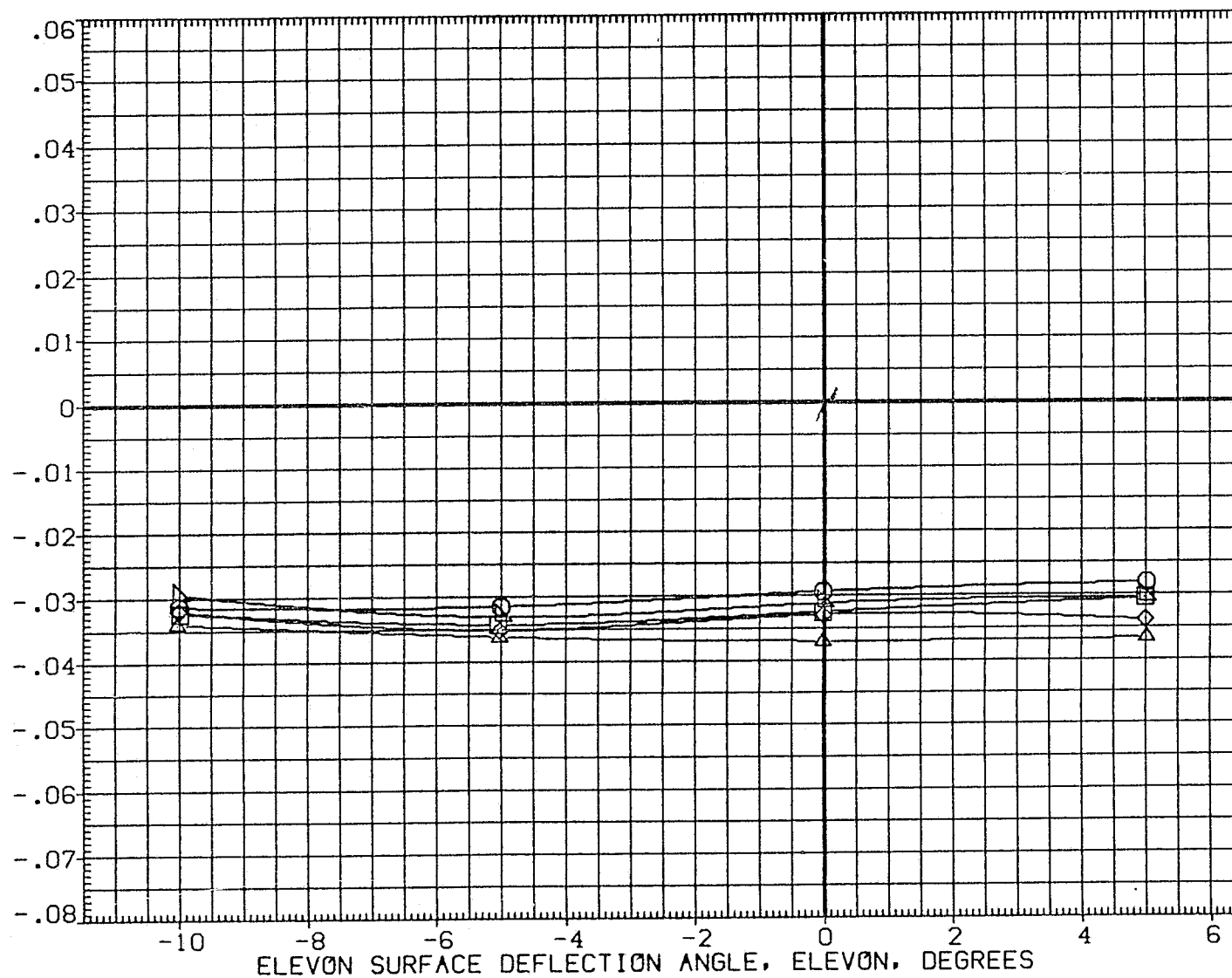


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

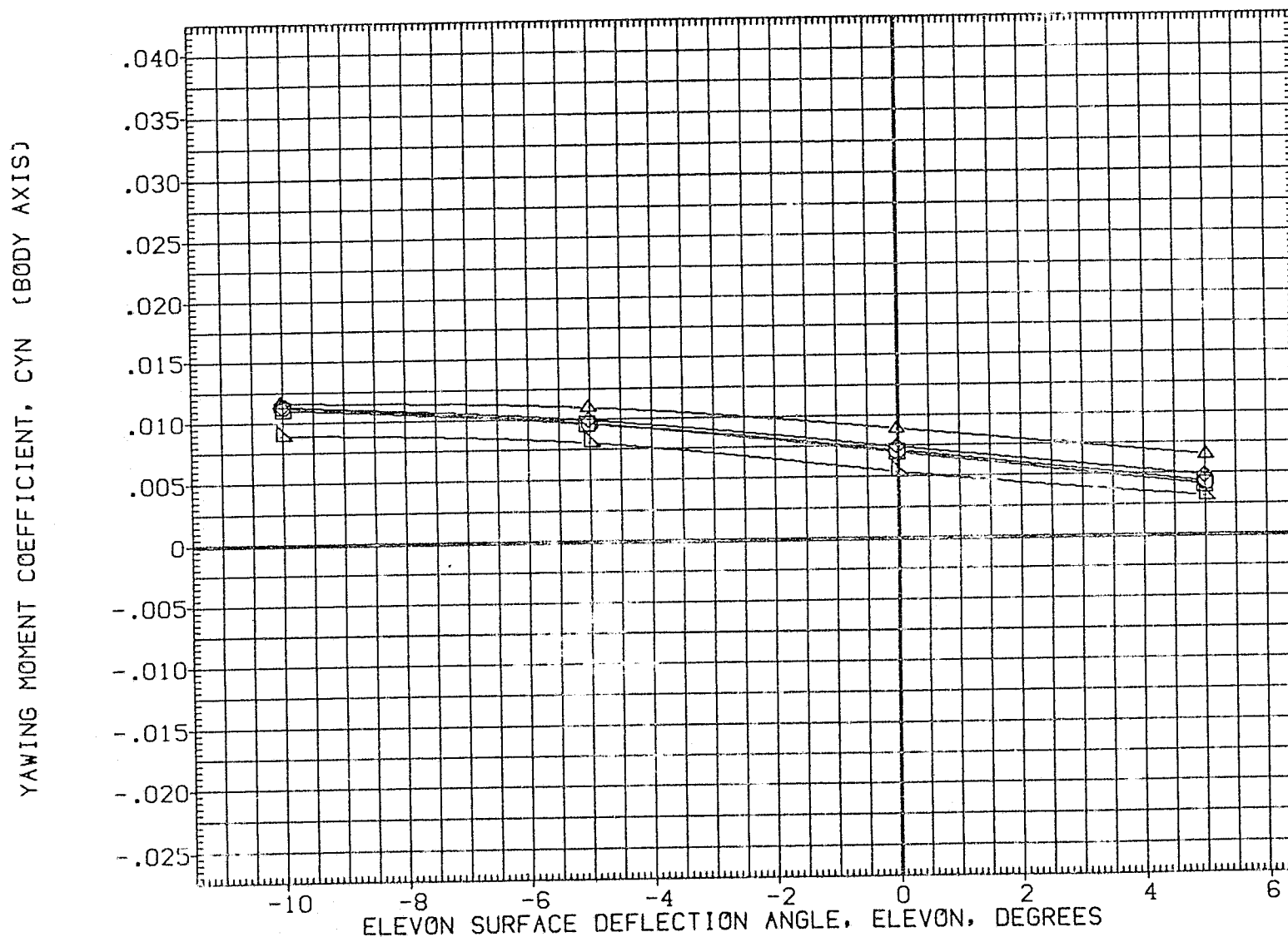


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3X18)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X19)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3X21)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y18)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

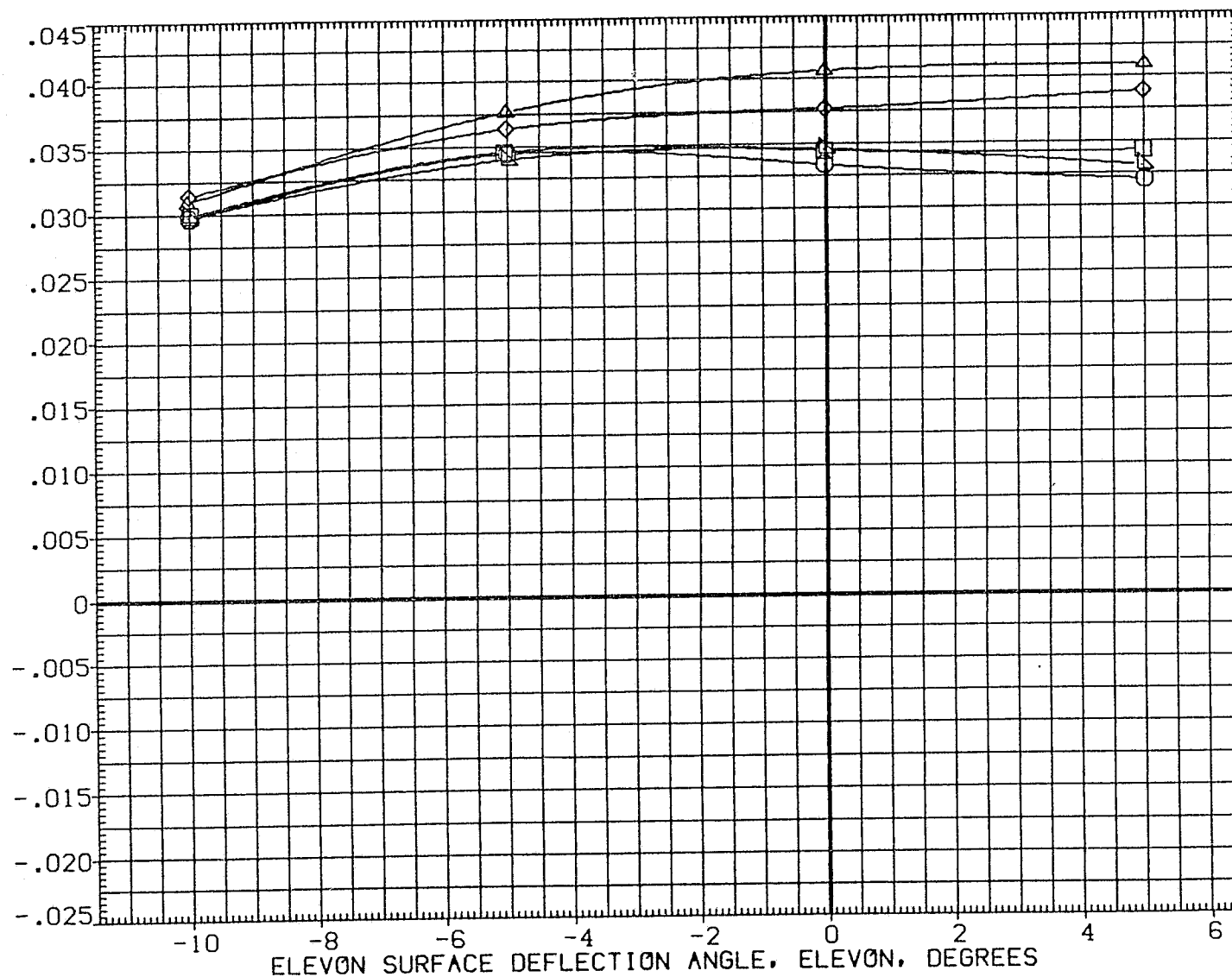


FIGURE 7. ELEVON CONTROL EFFECTIVENESS (AILERON = 10.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(QJ3Y20)	□	LARC 8FT TPT 717(LA-52) 140C ORBITER
(QJ3Y14)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

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REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

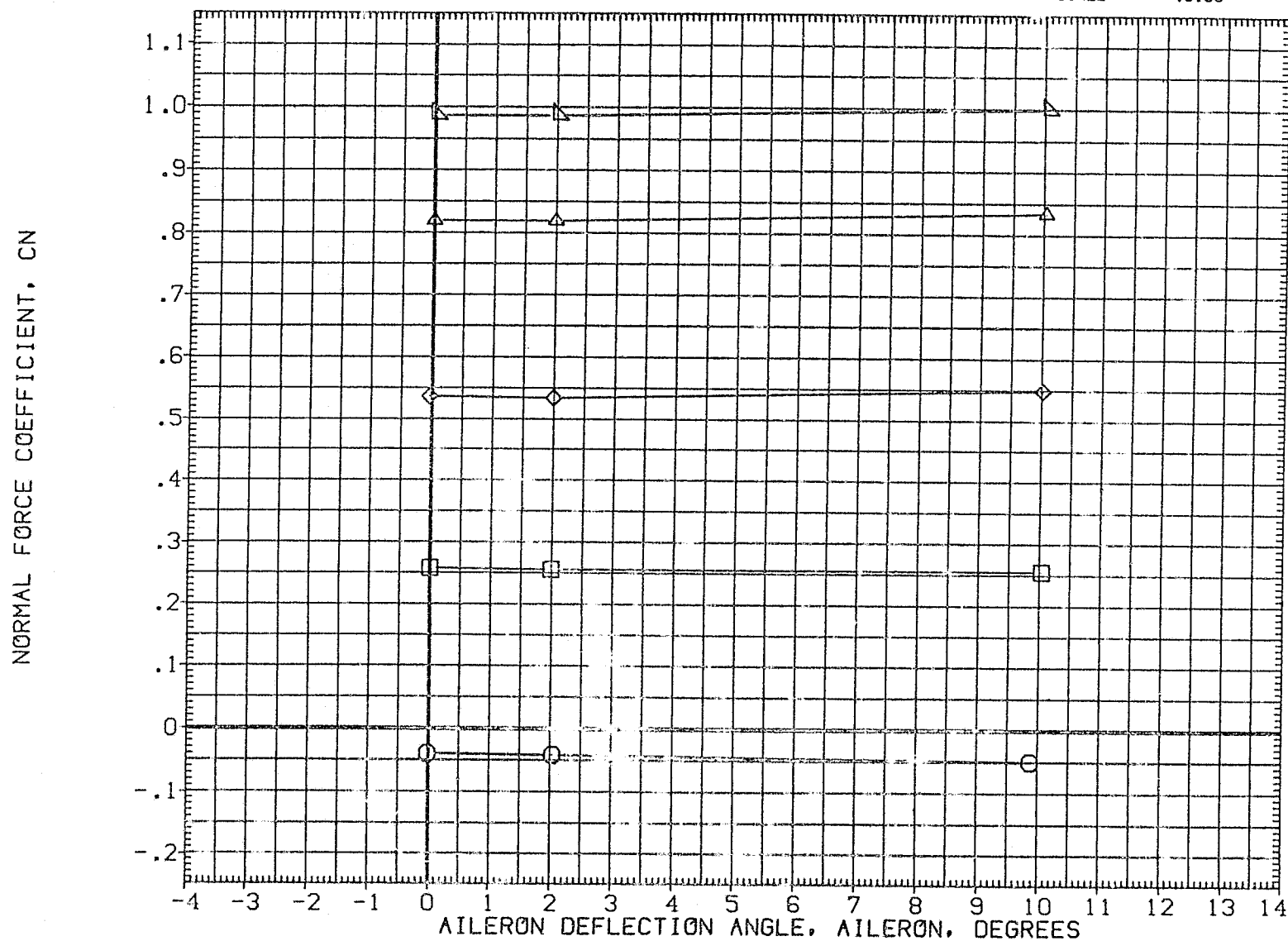


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(QJ3Y08)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
5.000
10.000
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18.000

REFERENCE INFORMATION		
SREF	2890.0000	60. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

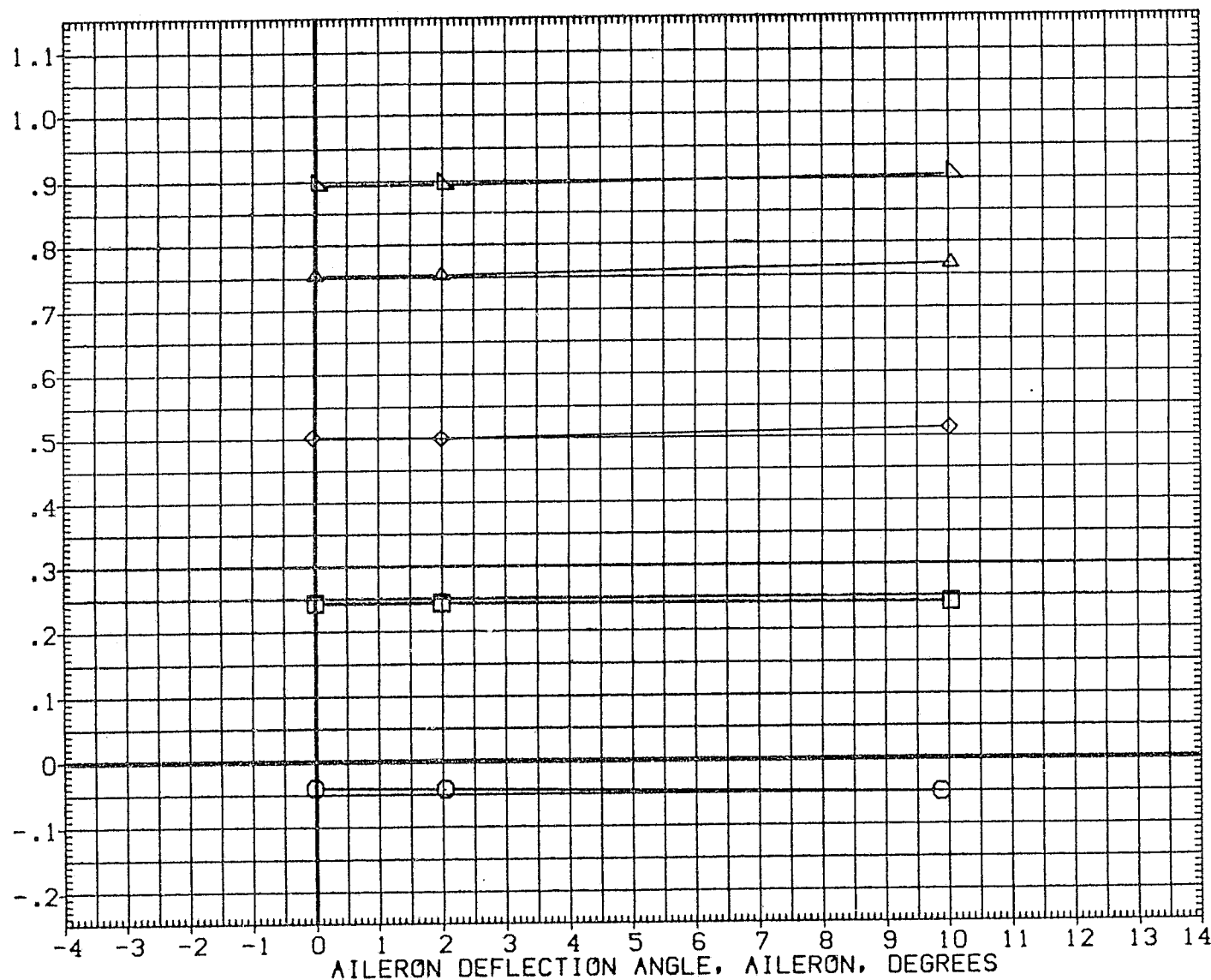


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
-----------------	---------------------------

(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

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18.000

REFERENCE INFORMATION		
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SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

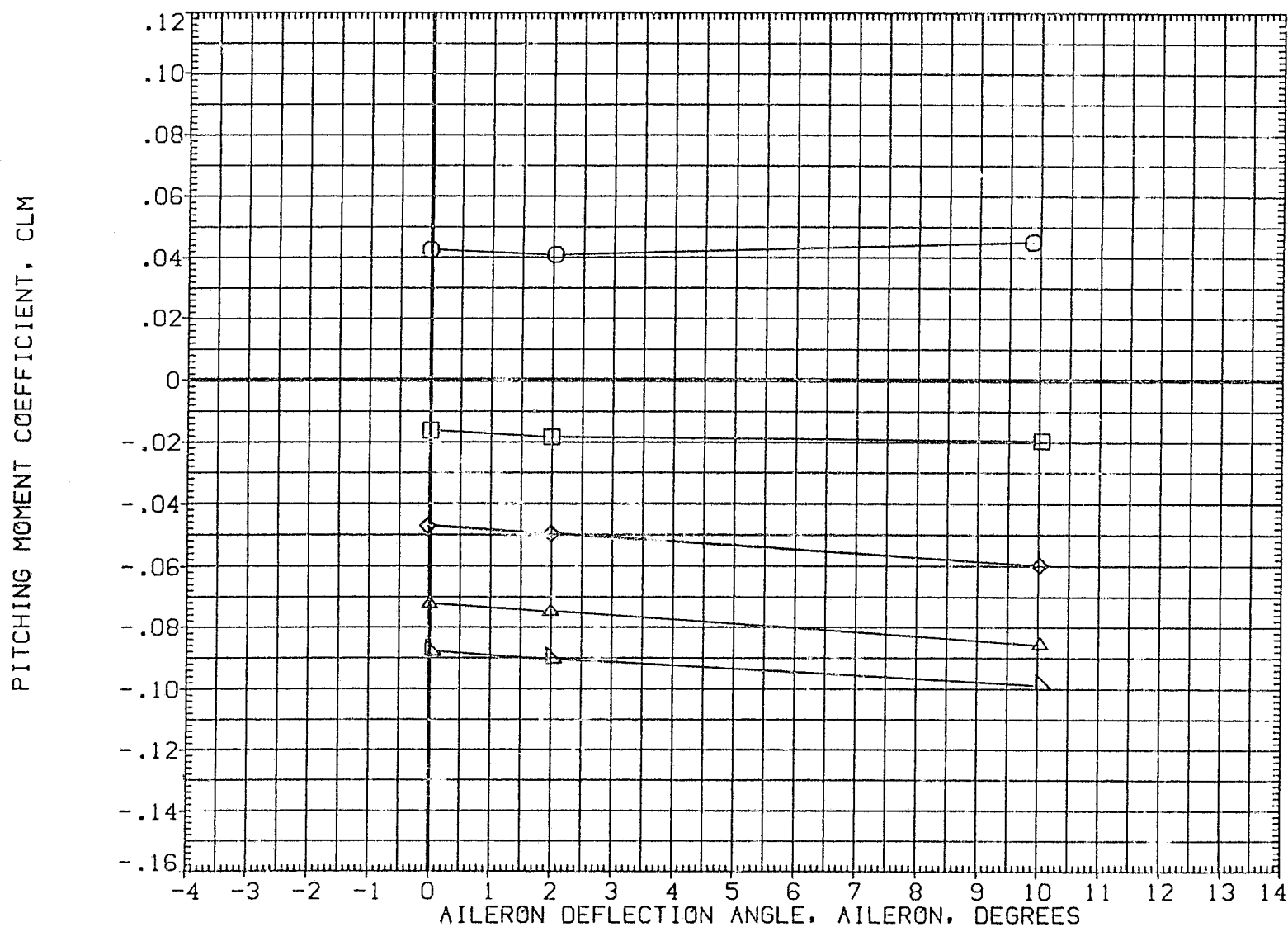


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

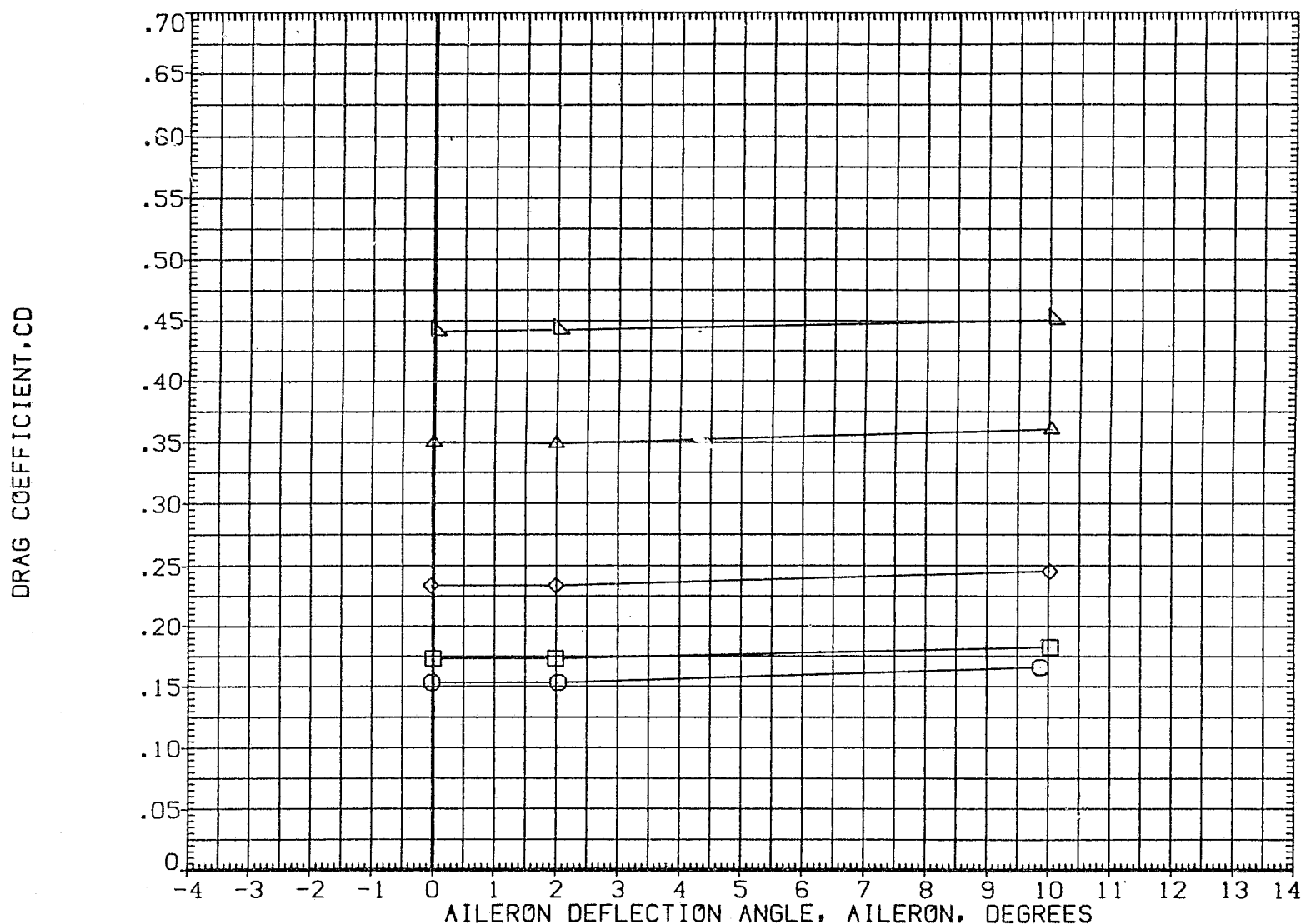


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

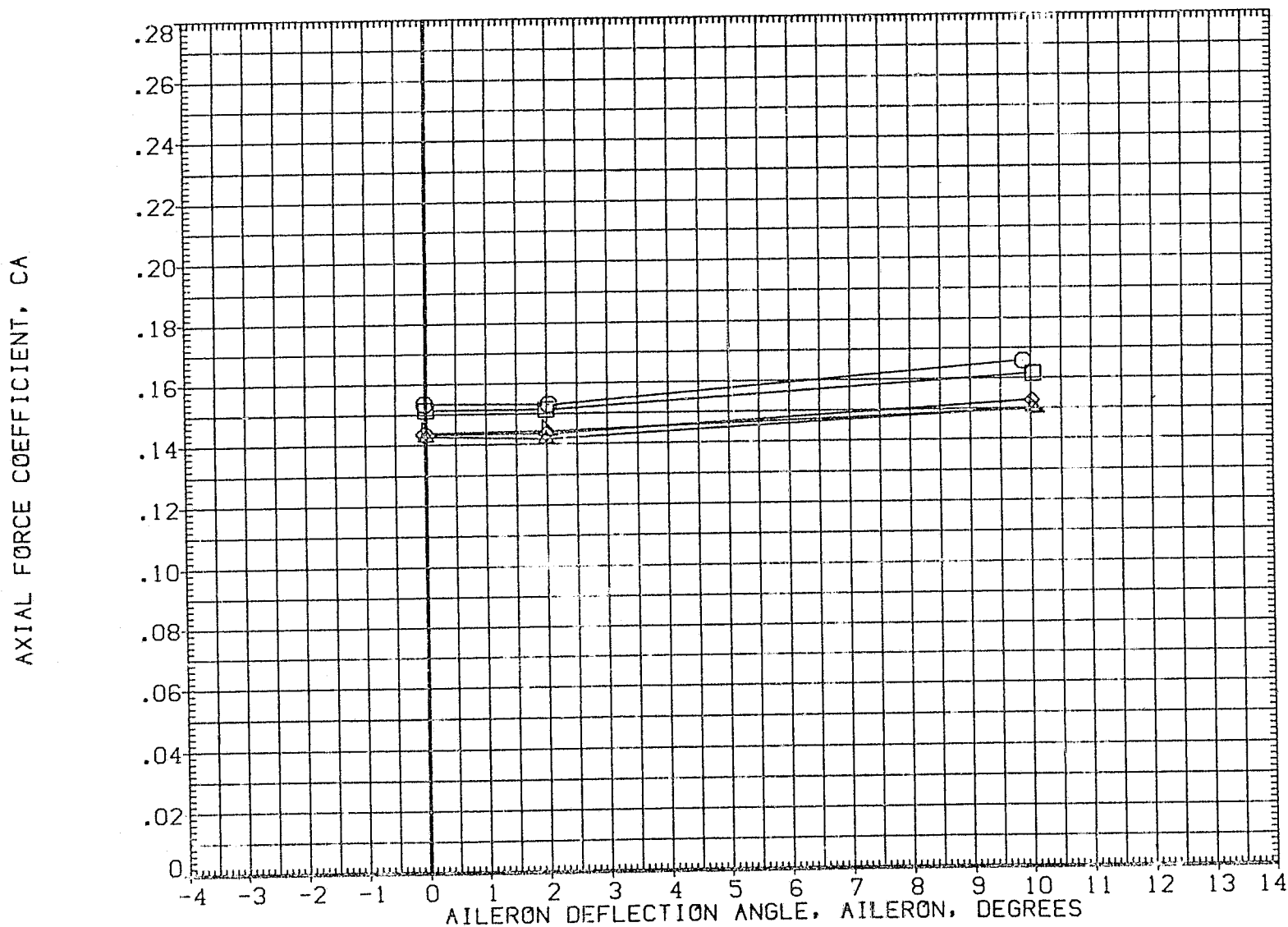


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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18.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN.Z0
SCALE	.0150

LIFT/DRAG RATIO, L/D

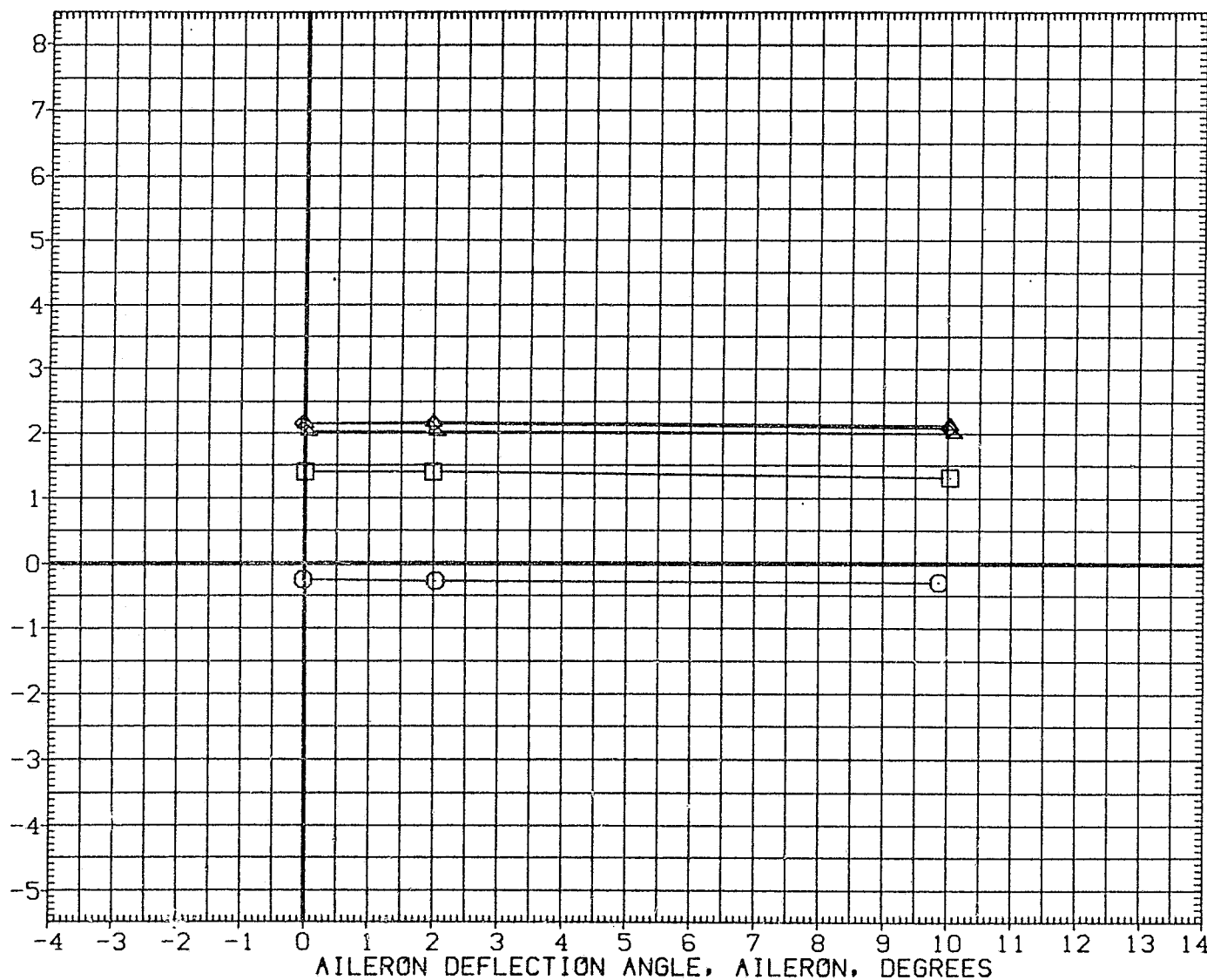


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.5800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

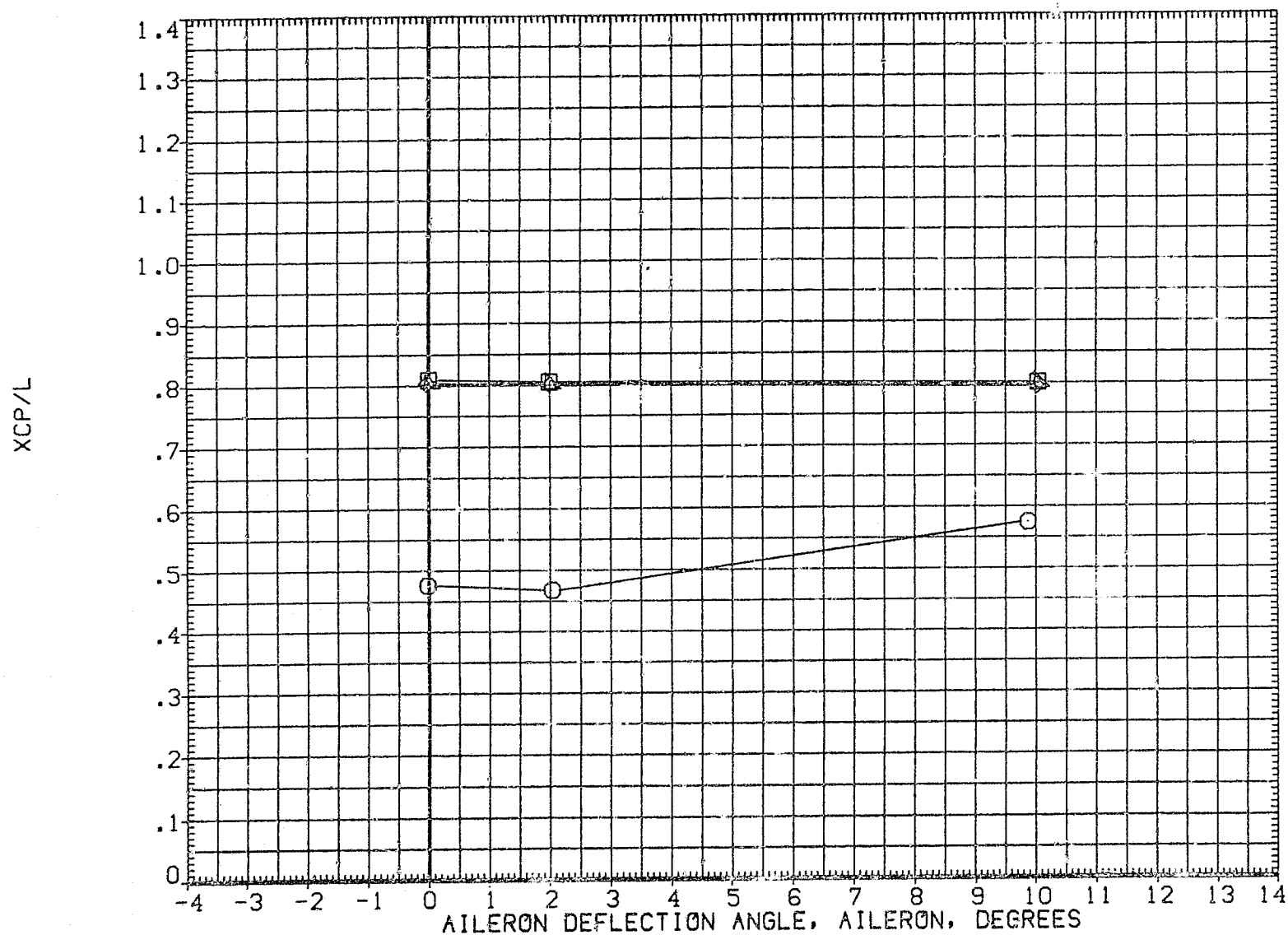


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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 5.000
 10.000
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 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

NORMAL FORCE COEFFICIENT, CN

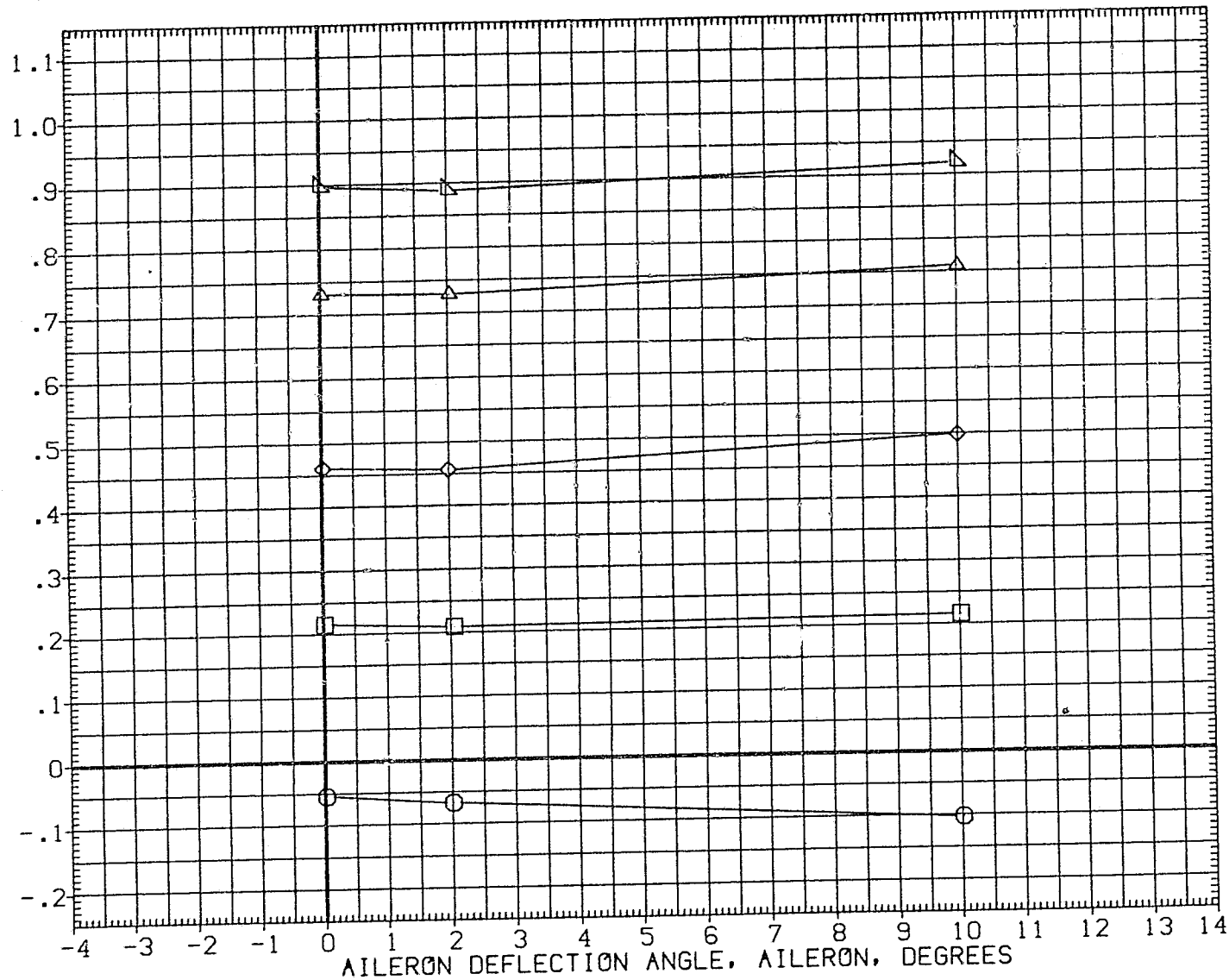


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

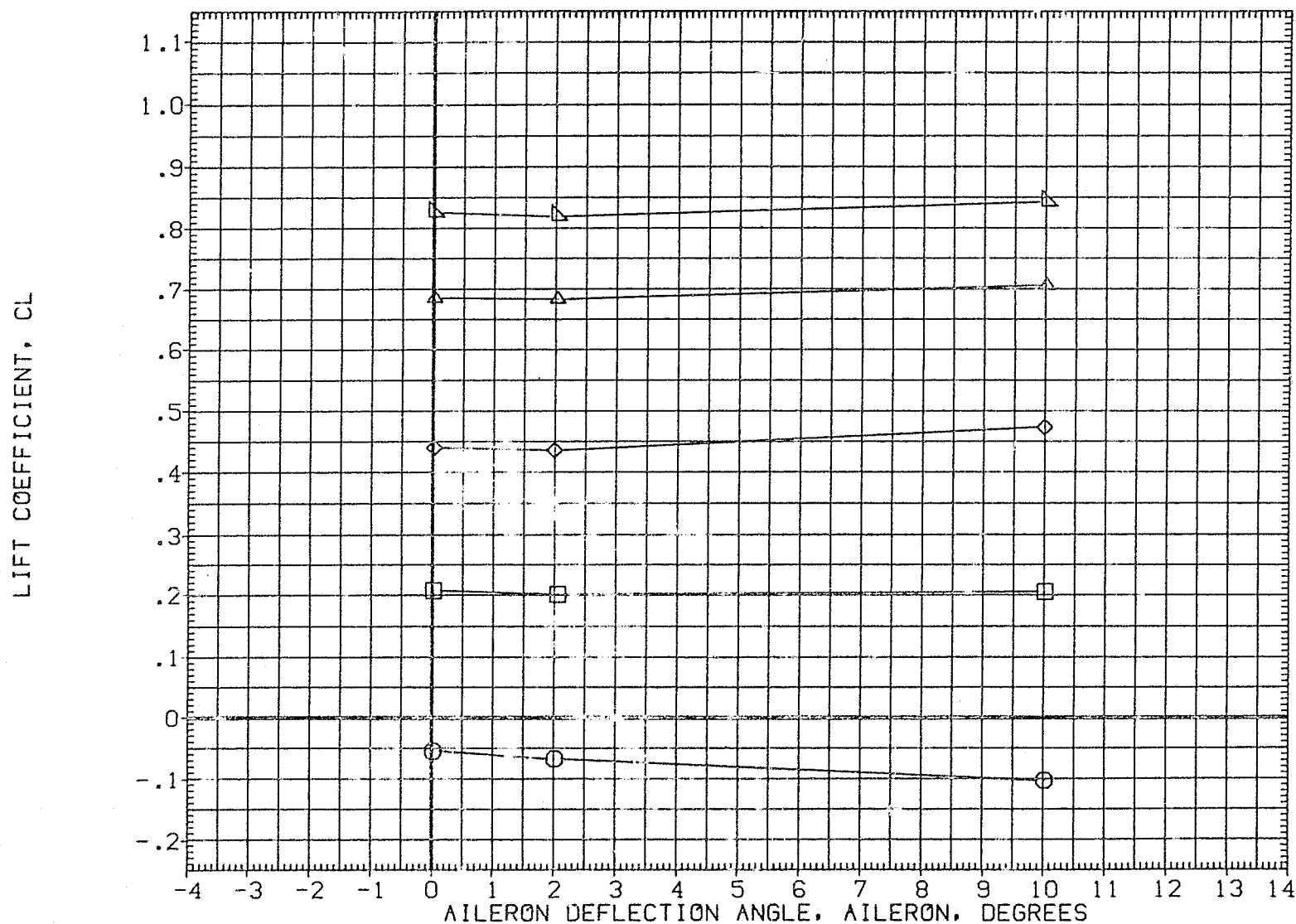


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(QJ3Y20) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Y14) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Y06) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Z20) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Z14) LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

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 10.000
 15.000
 18.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

PITCHING MOMENT COEFFICIENT, CLM

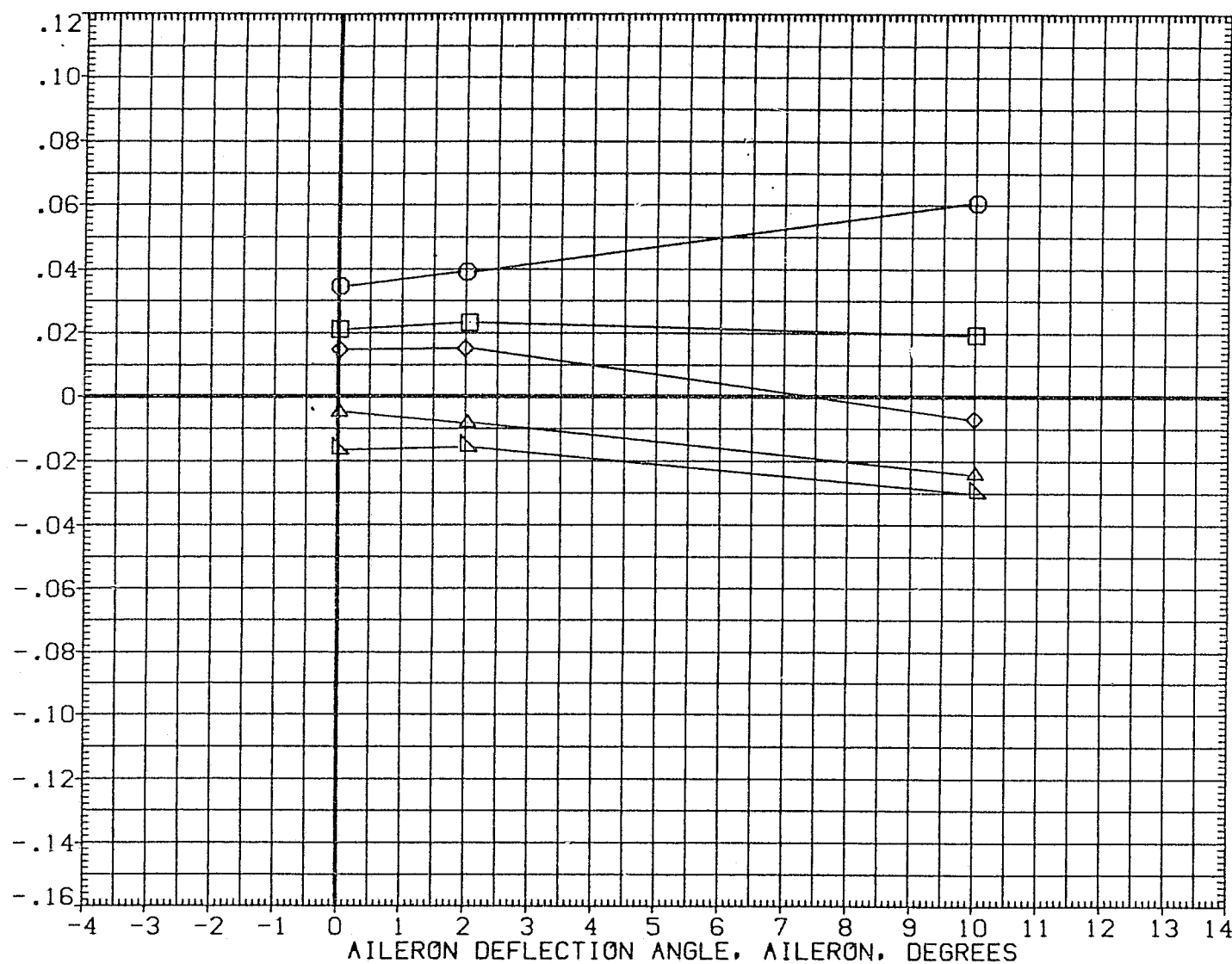


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

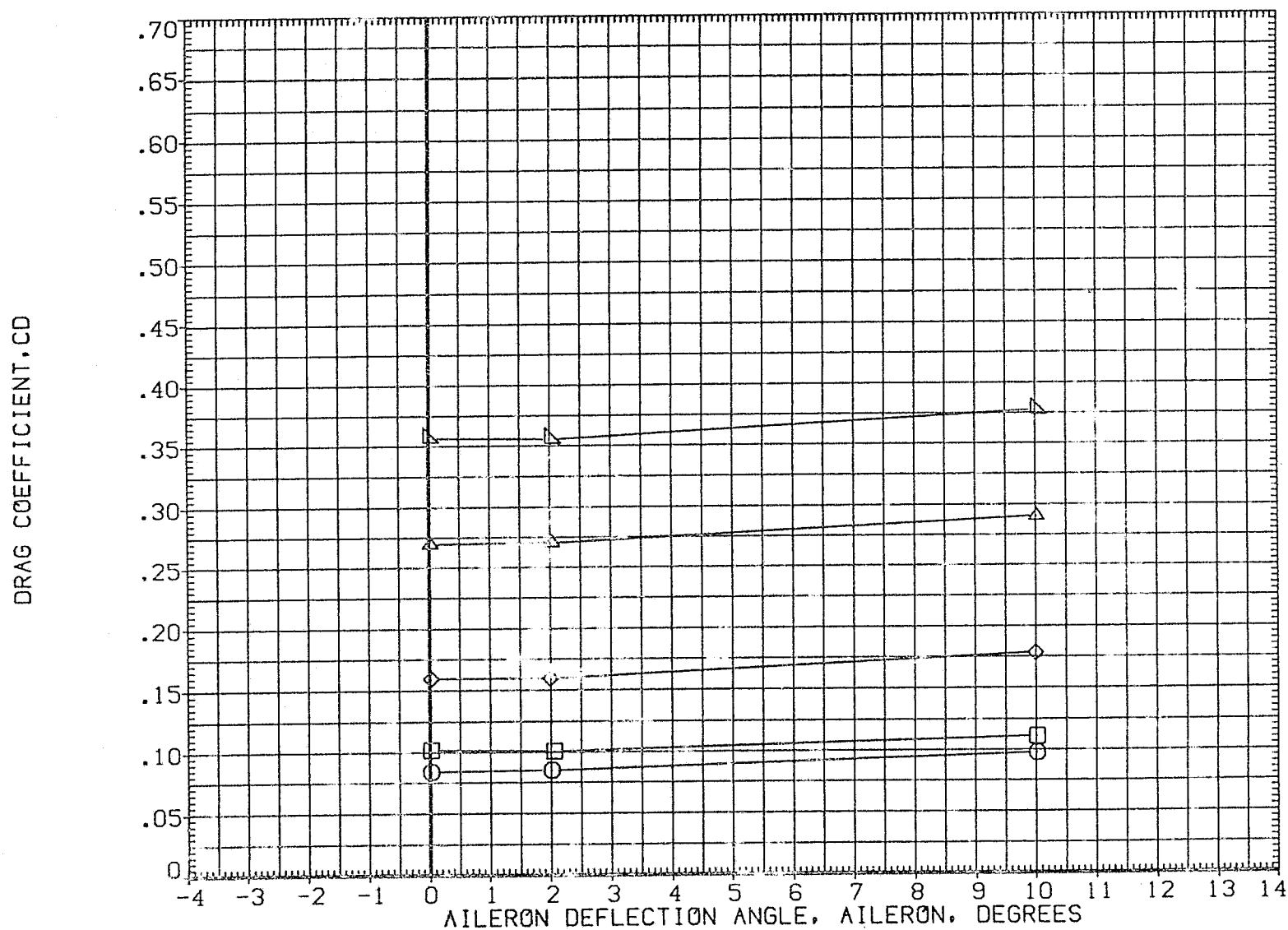


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
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REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

AXIAL FORCE COEFFICIENT, CA

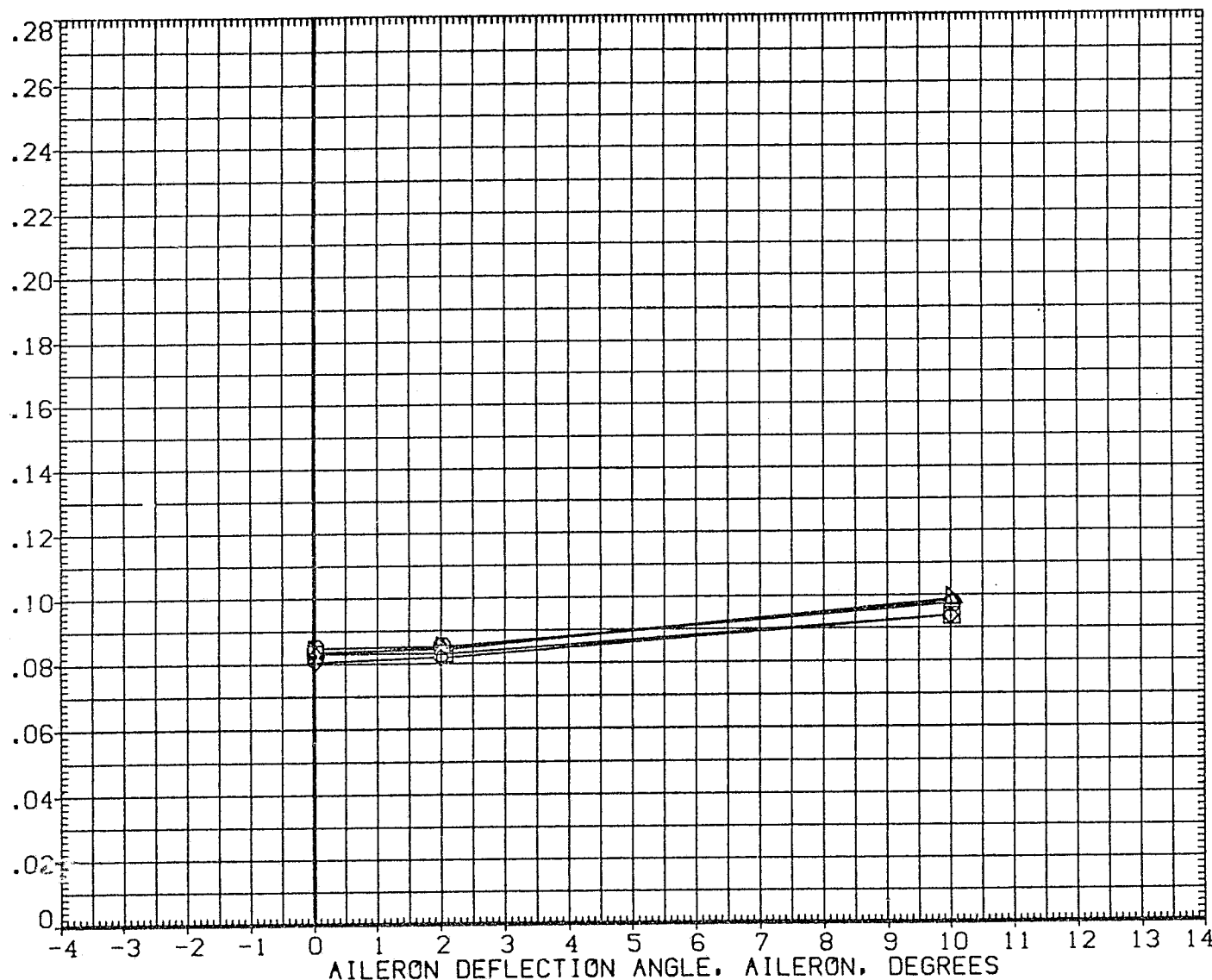


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
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10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

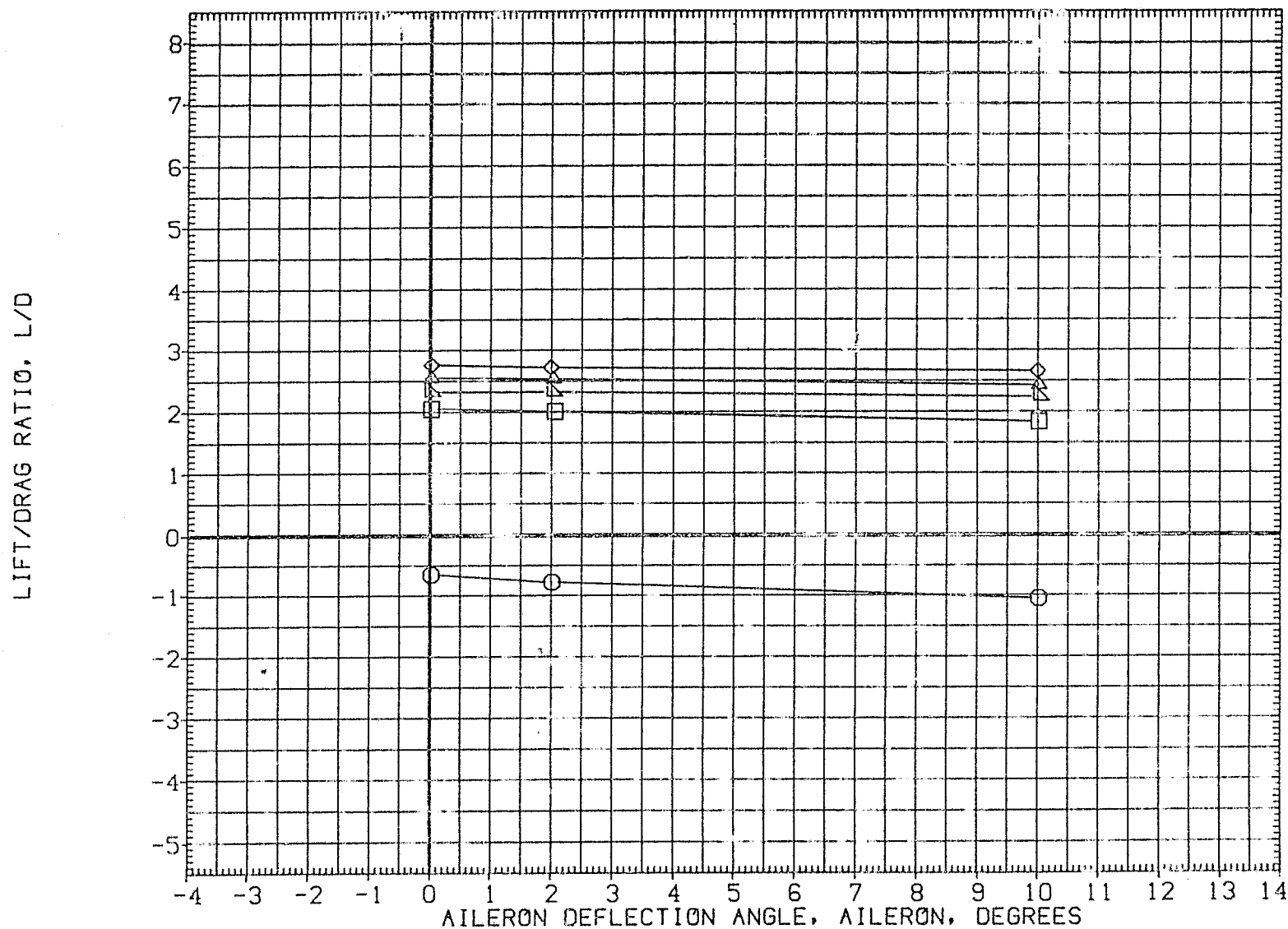


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
-----------------	---------------------------

(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

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REFERENCE INFORMATION	
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SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

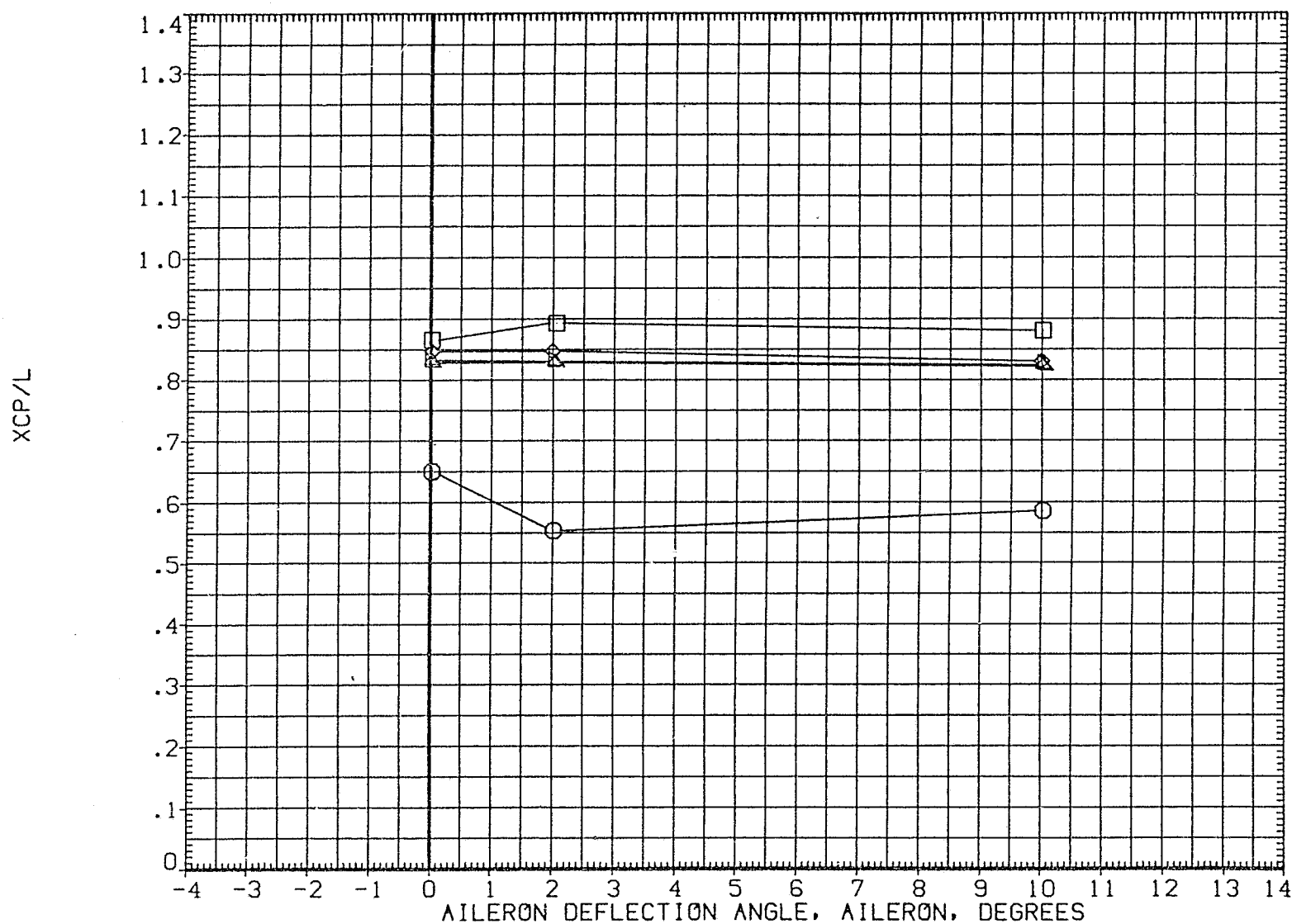


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

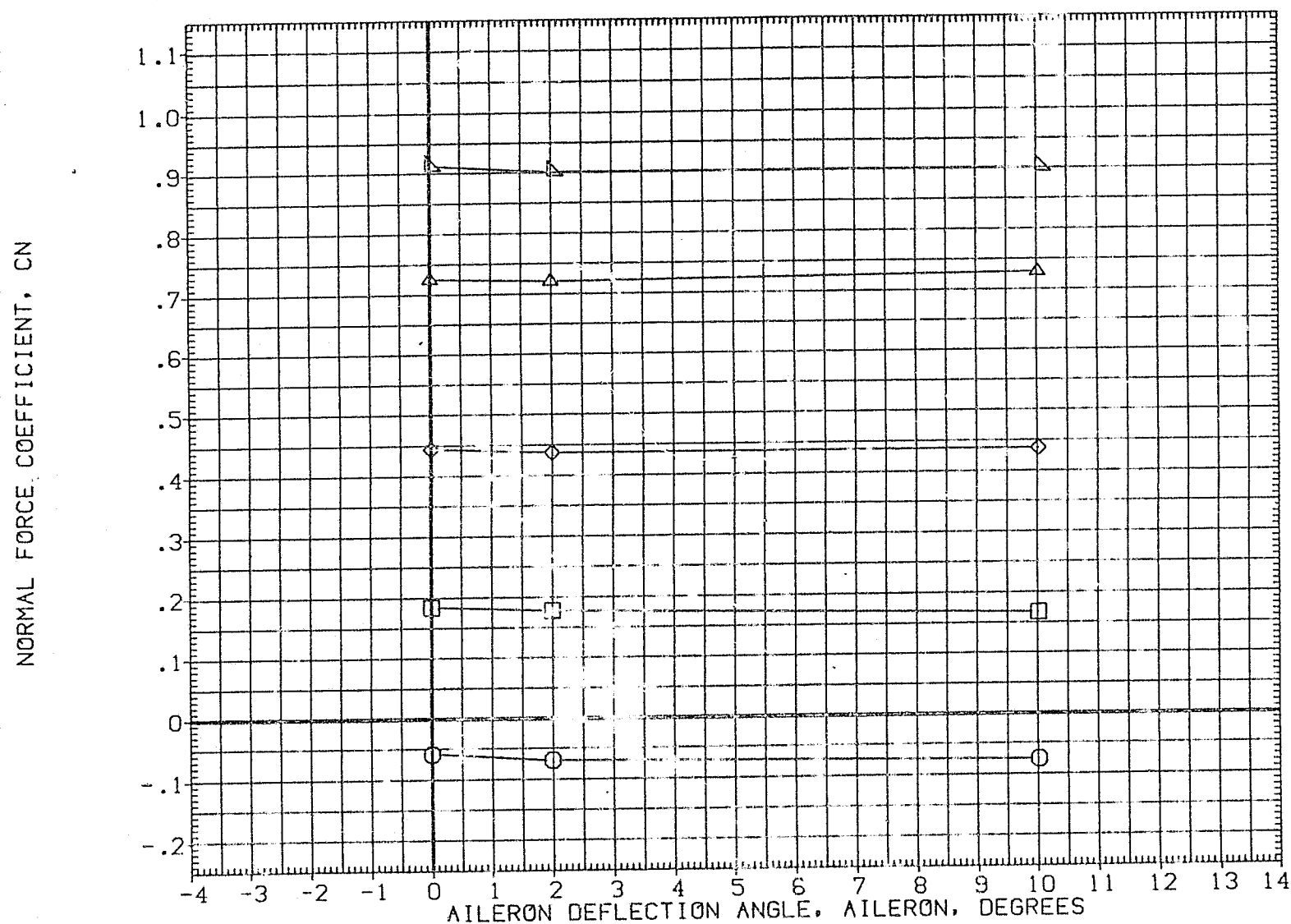


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
16.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Y0
SCALE	.0150	

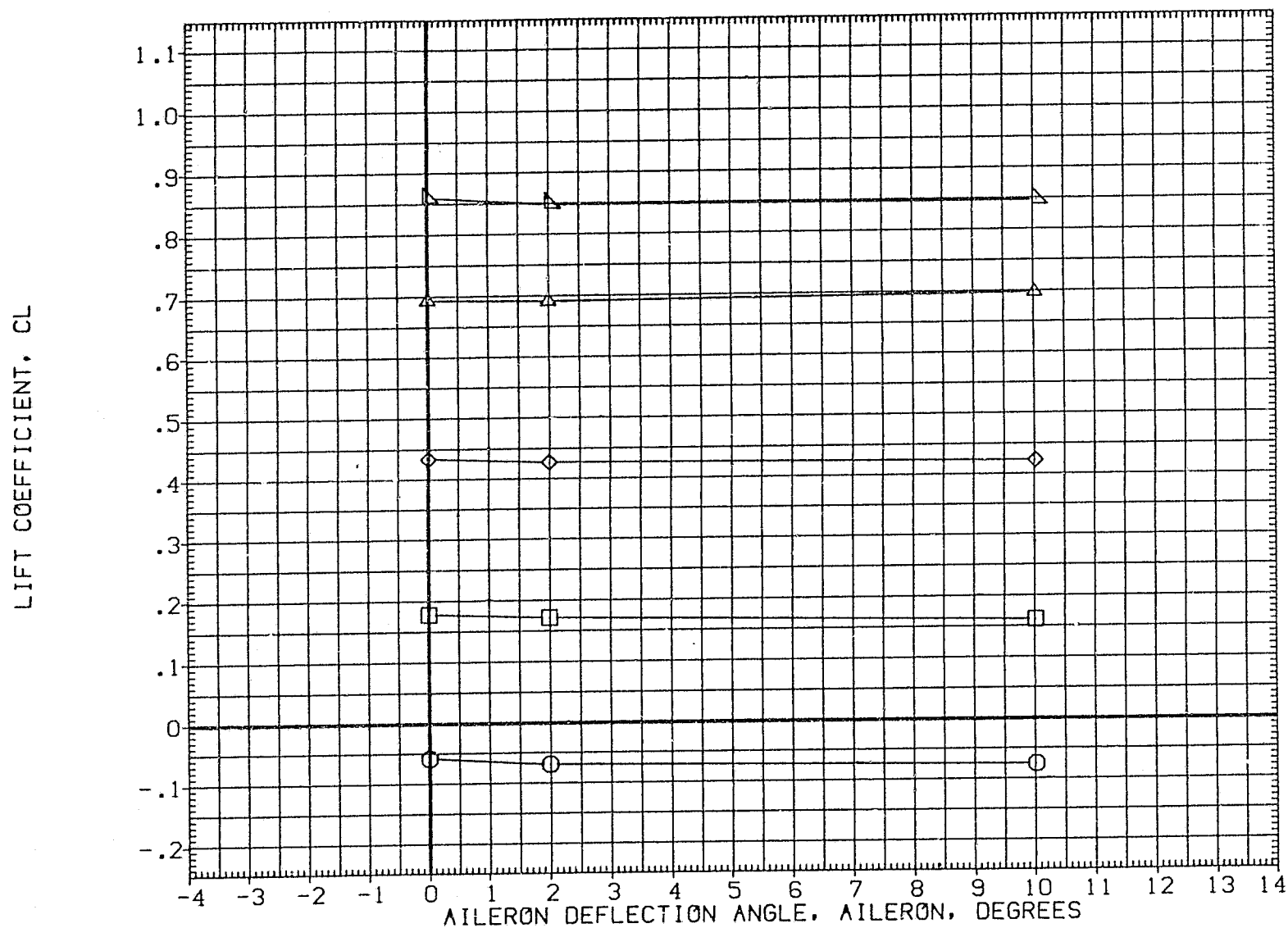


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

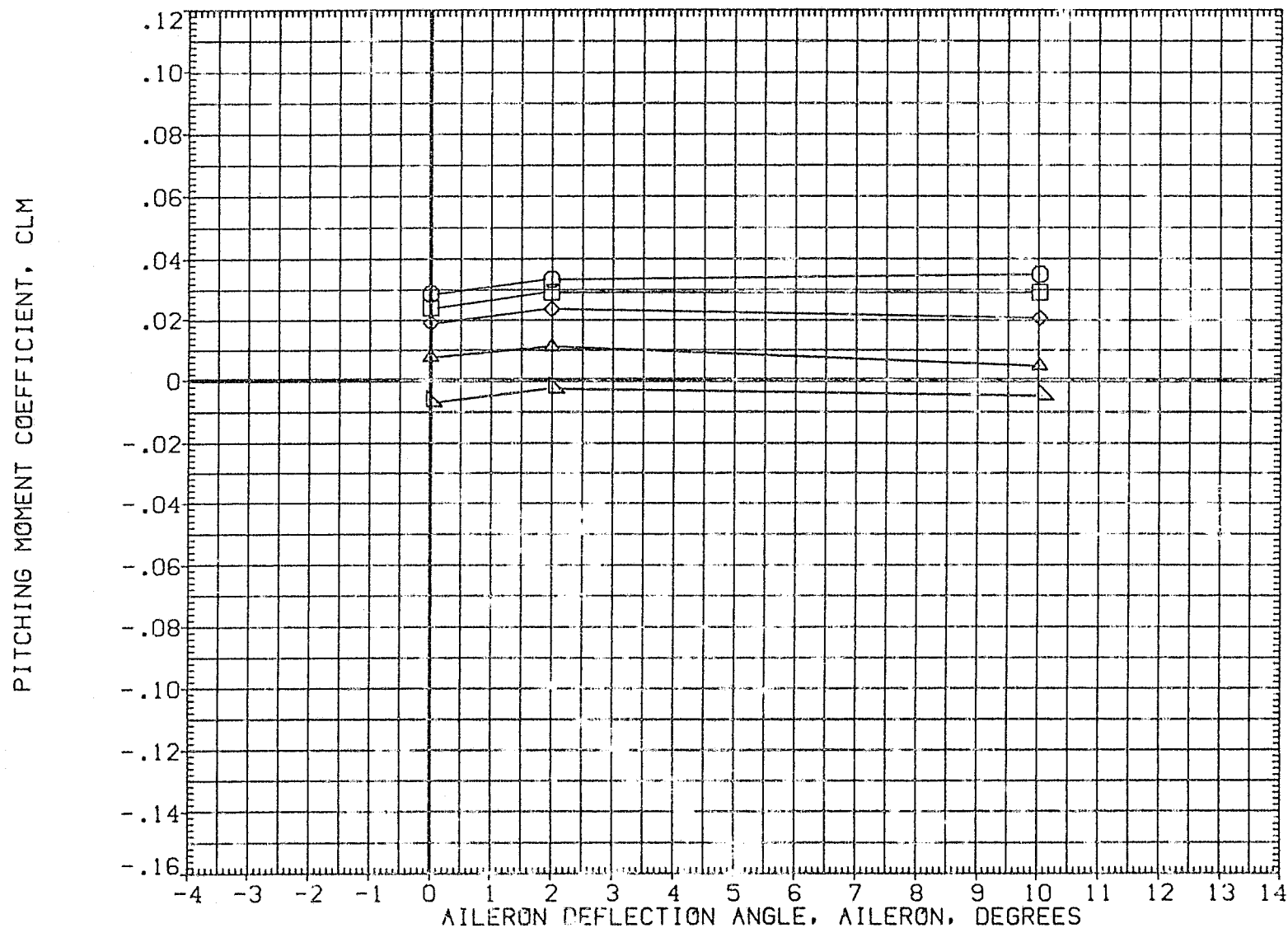


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DRAG COEFFICIENT, CD

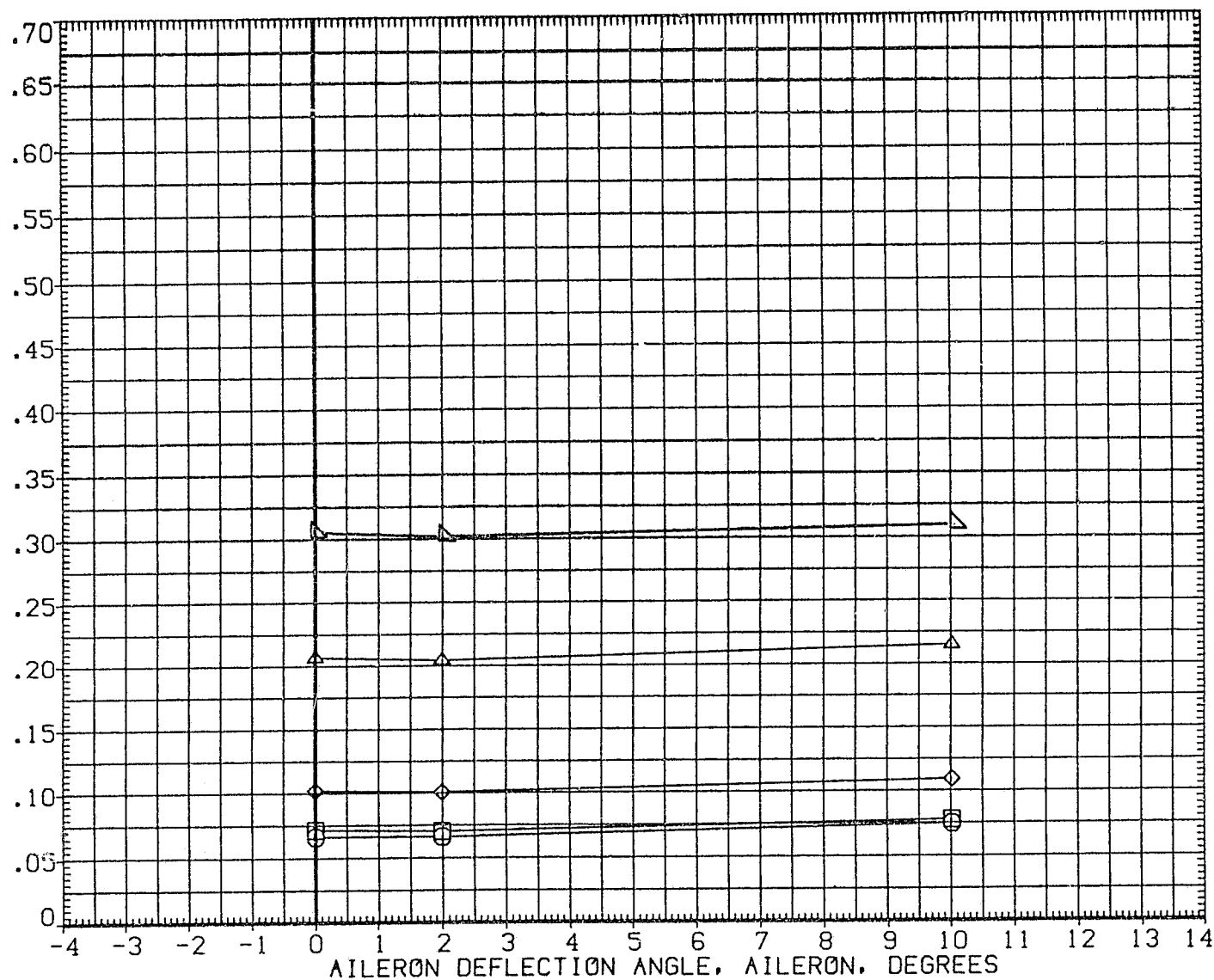


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(QJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

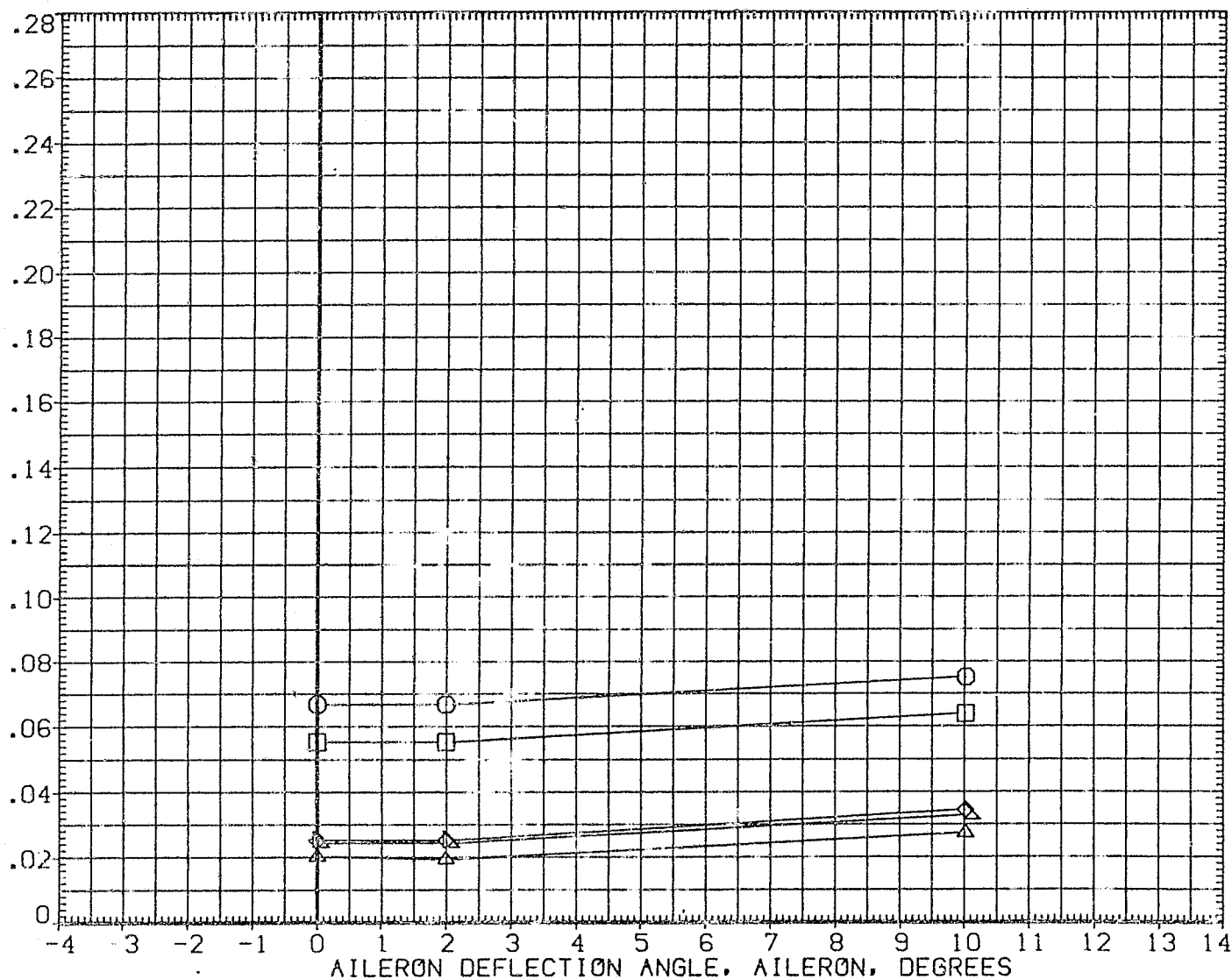


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(QJ3Y20)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y14)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Y06)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z20)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(QJ3Z14)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT/DRAG RATIO, L/D

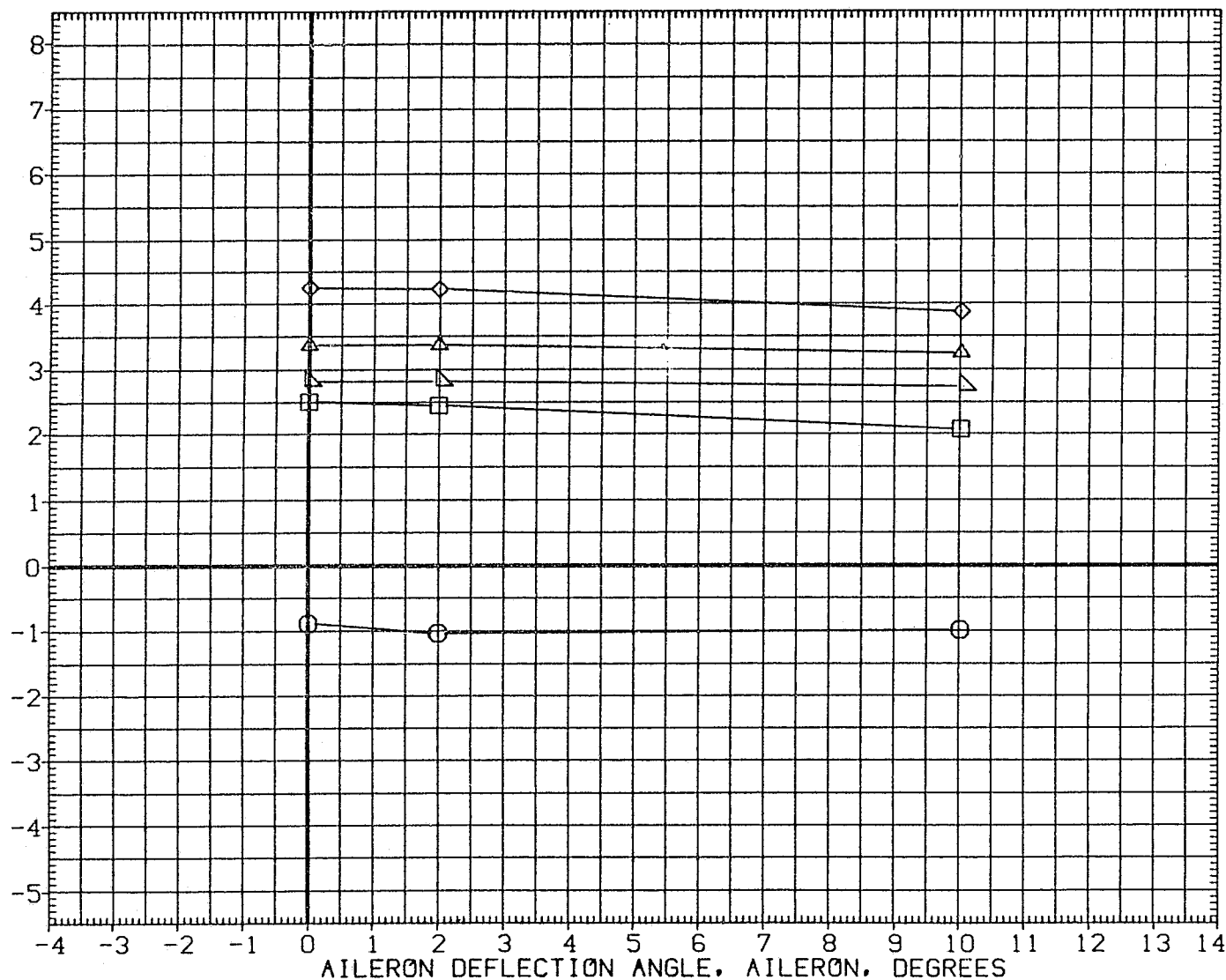


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(QJ3Y20) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Y14) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Y06) ◇ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Z20) △ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (QJ3Z14) △ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

.000
 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

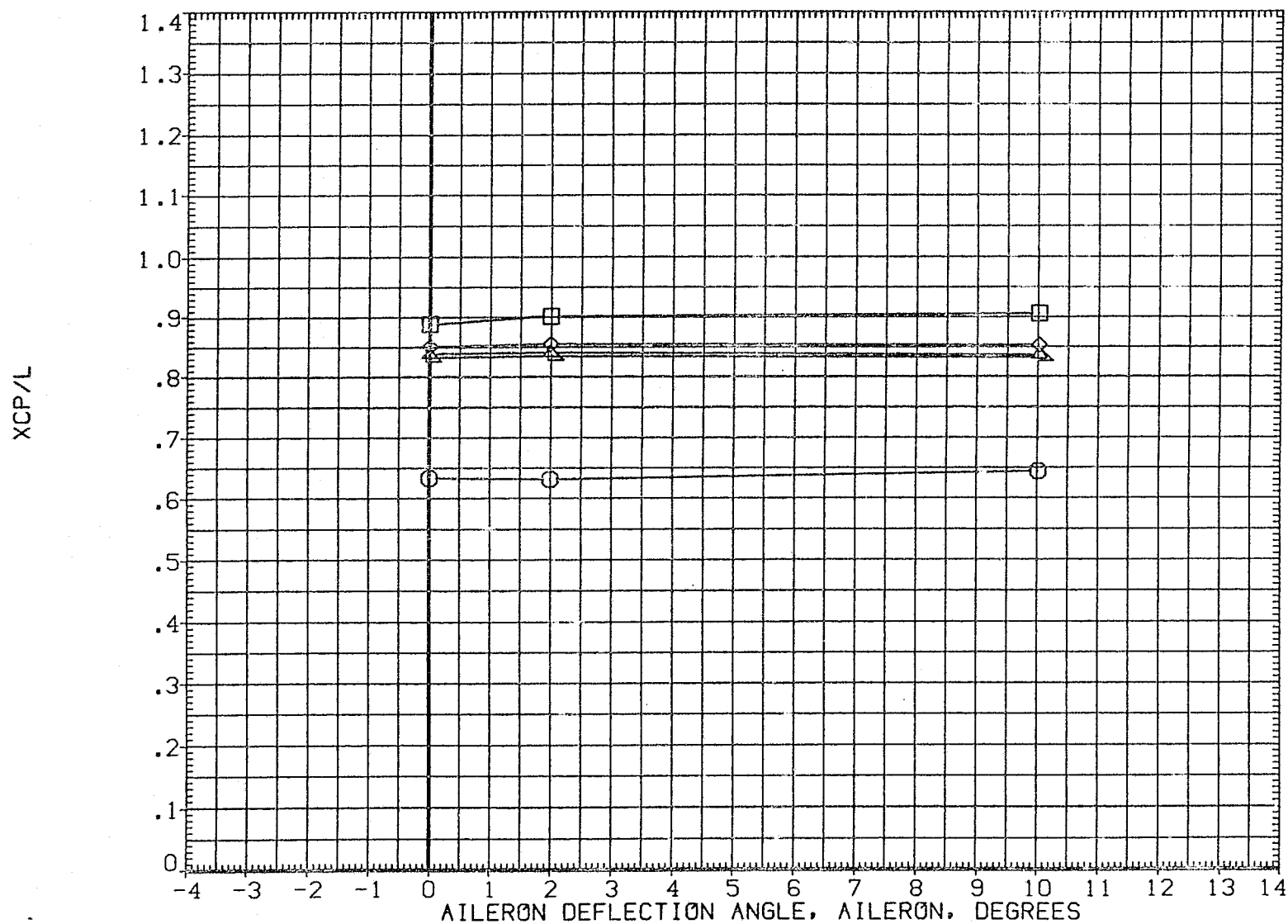


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
SCALE	375.0000	IN. Y0
	.0150	

SIDE FORCE COEFFICIENT, CY

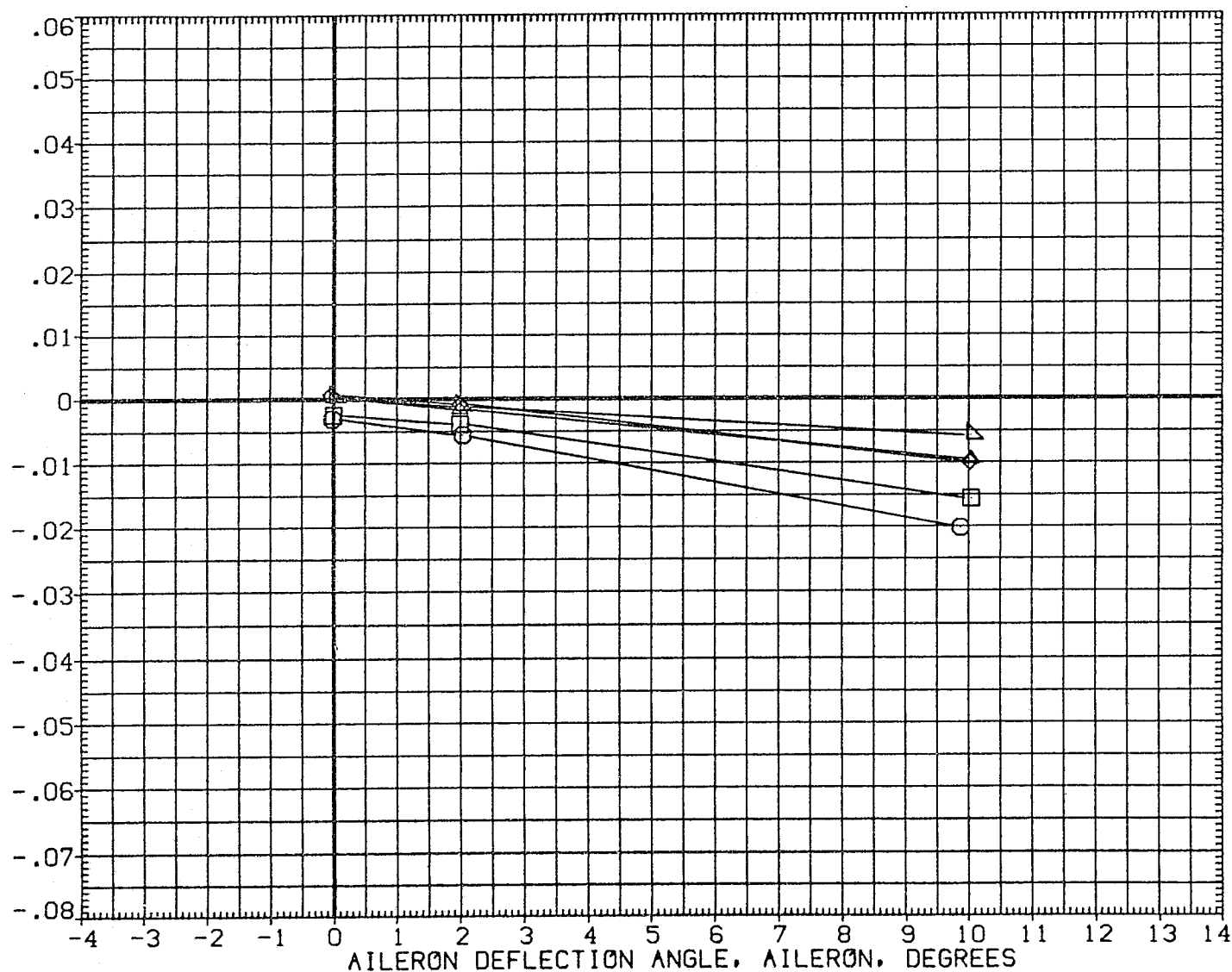


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

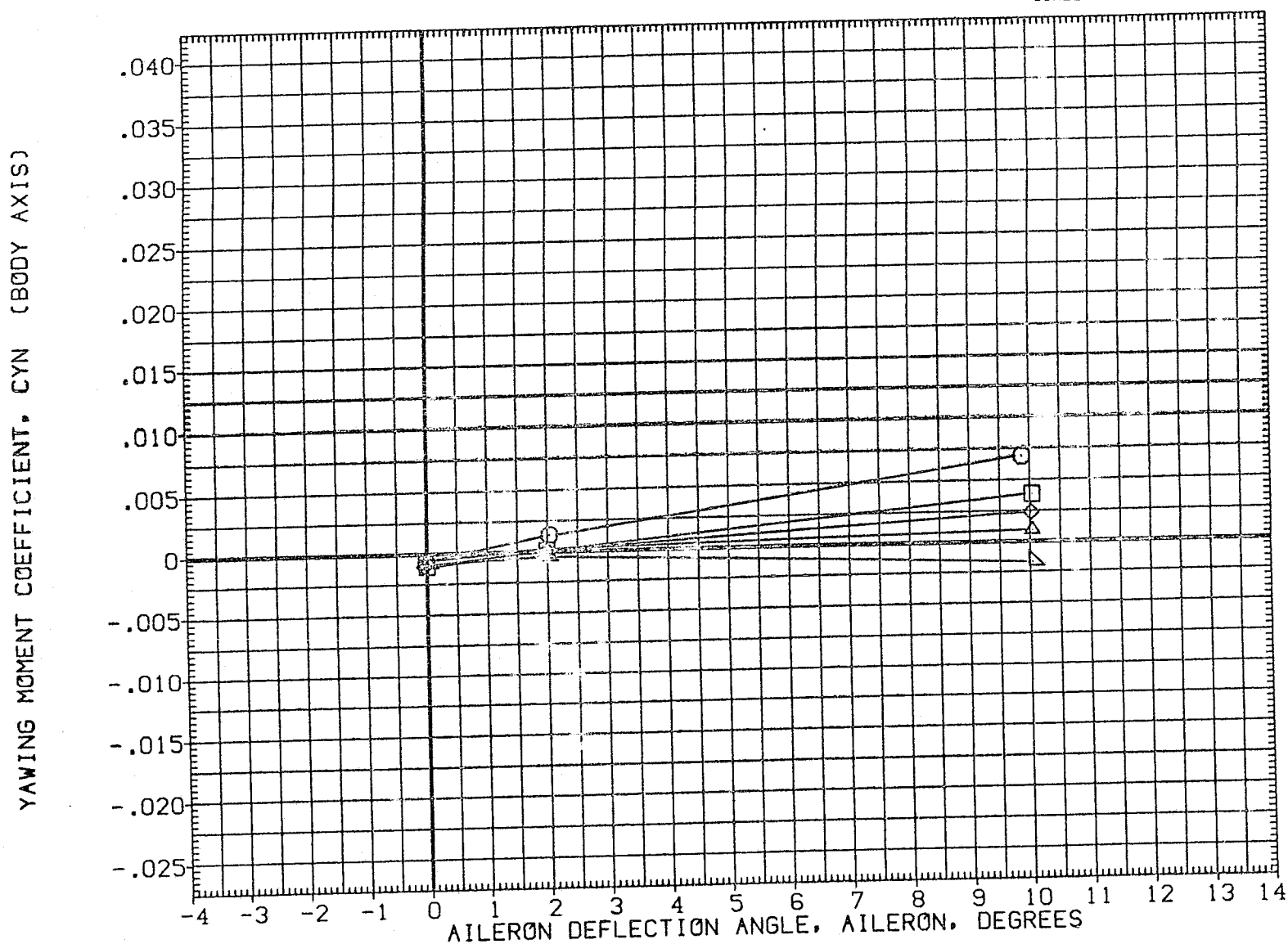


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

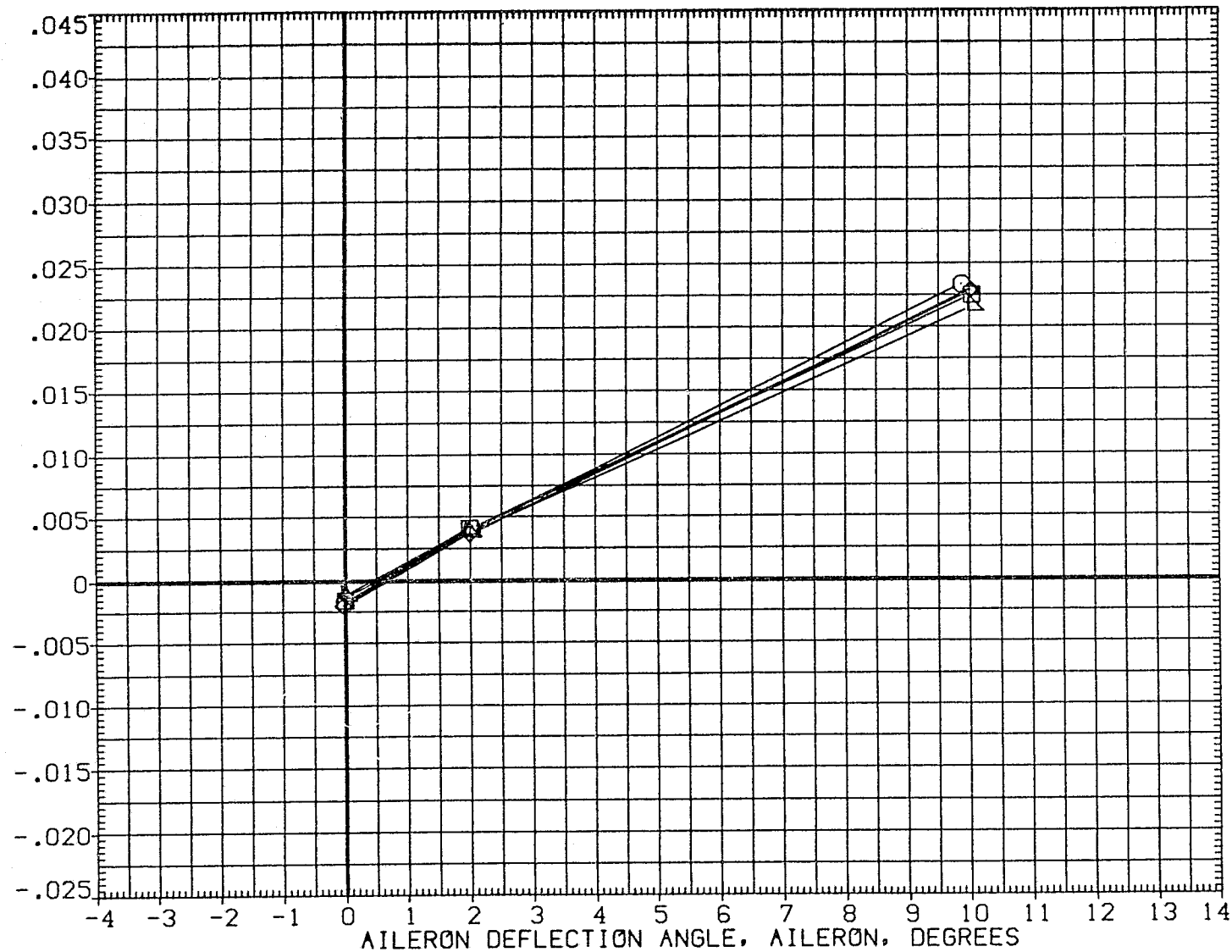


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

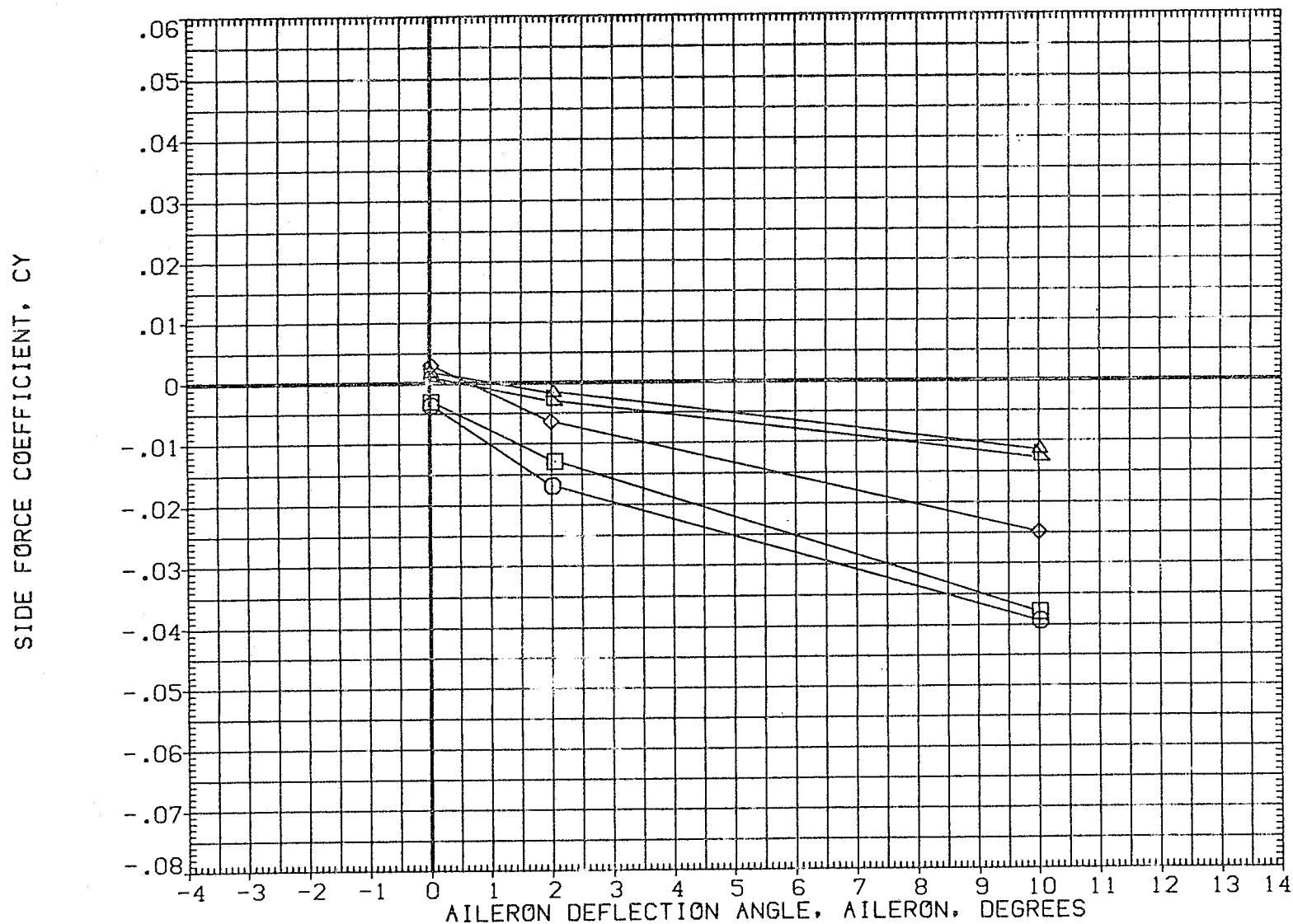


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
 .000
 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

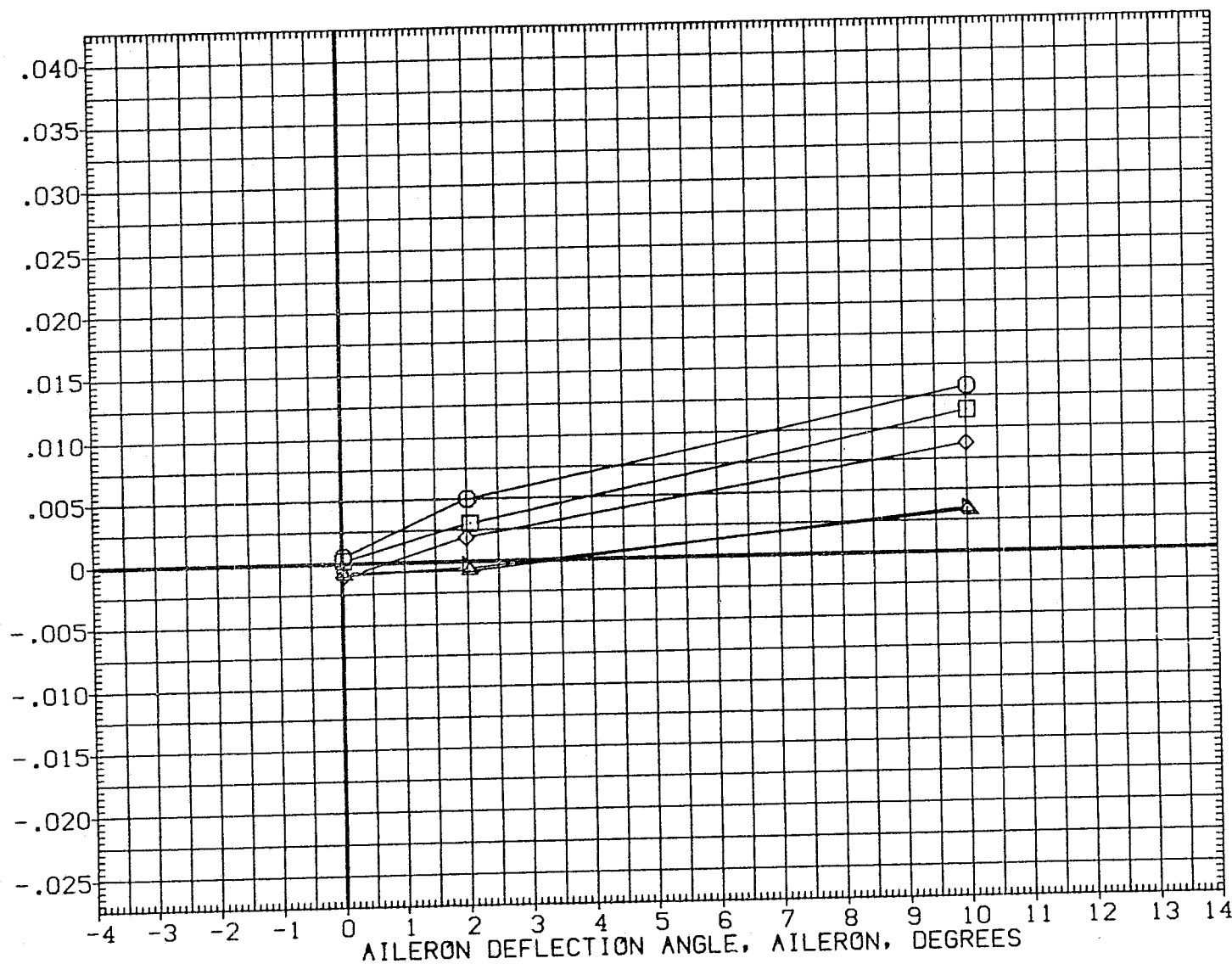


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
 (A)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(PJ3Y20) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (PJ3Y14) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (PJ3Y06) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (PJ3Z20) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (PJ3Z14) LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA

.000
 5.000
 10.000
 15.000
 18.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

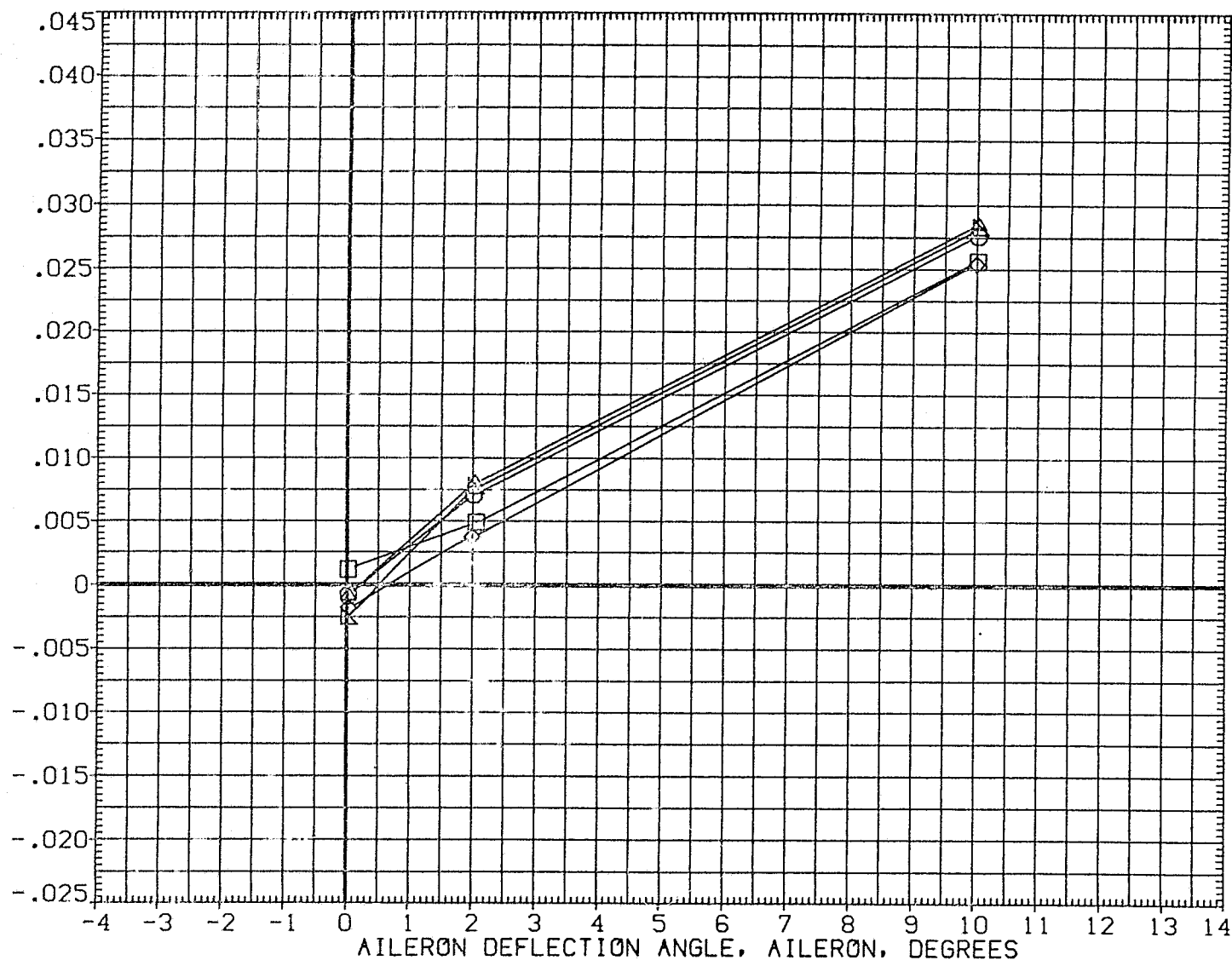


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

SIDE FORCE COEFFICIENT, CY

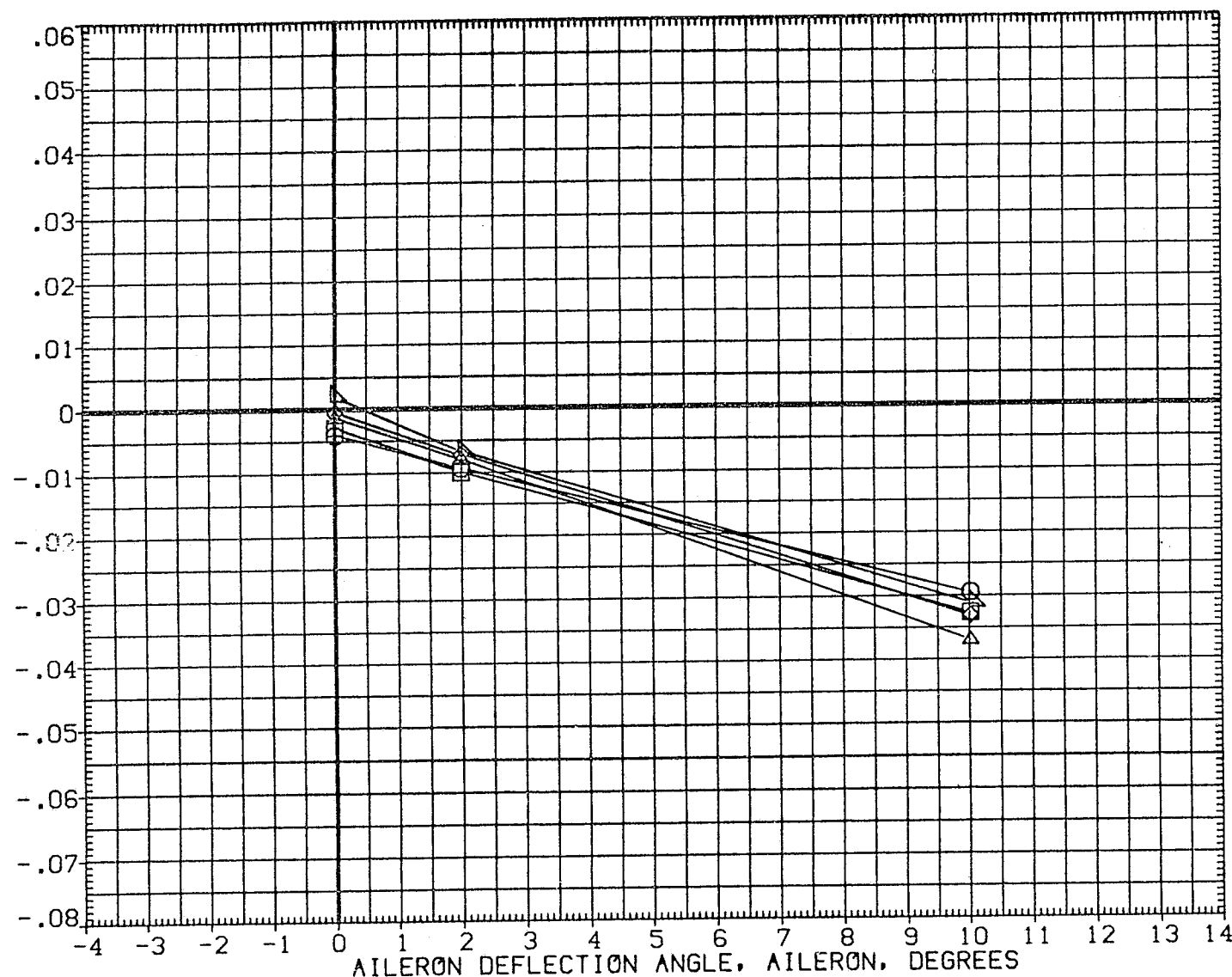


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(CLA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

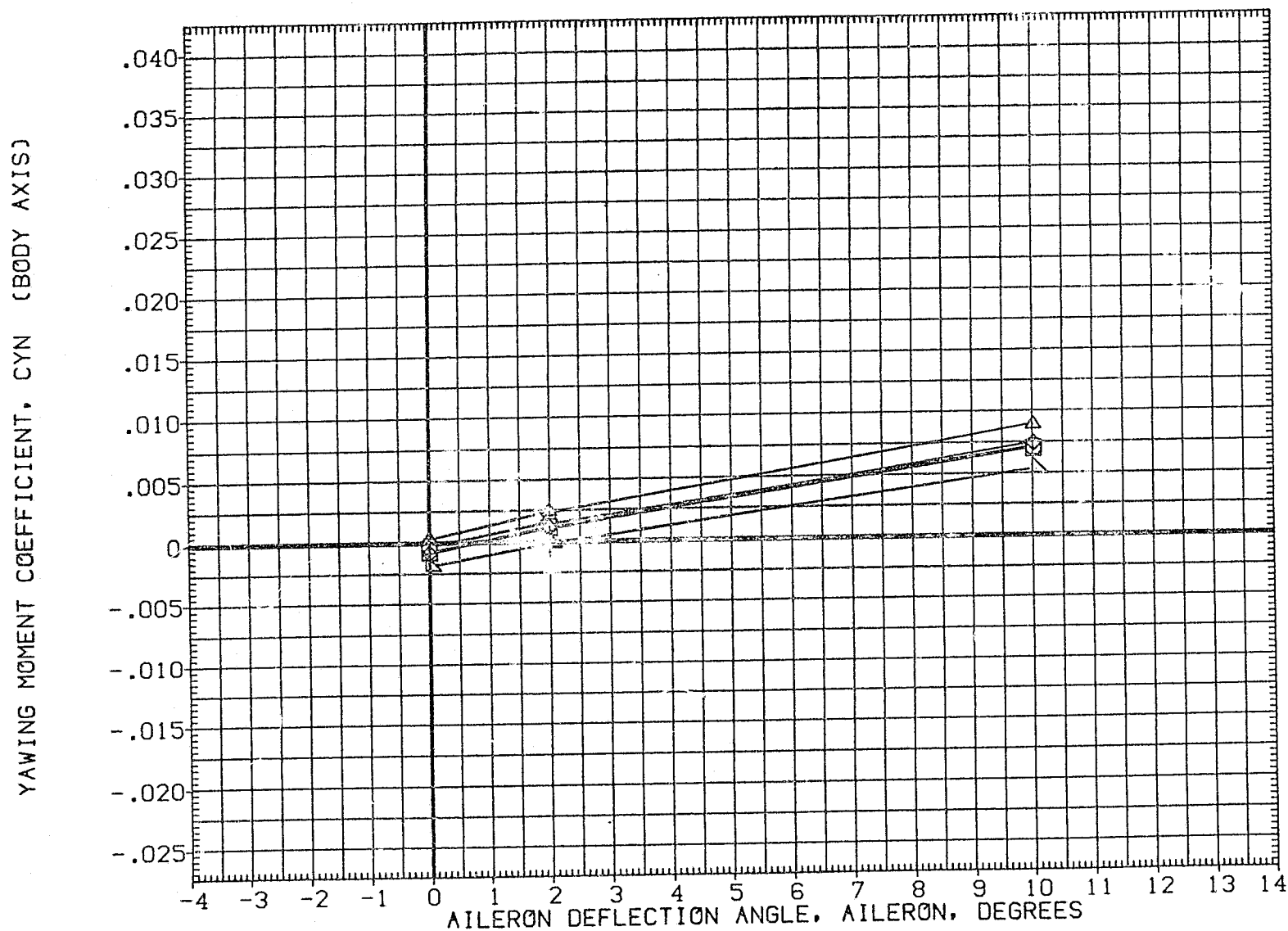


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(PJ3Y20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y14)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Y06)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z20)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(PJ3Z14)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA
.000
5.000
10.000
15.000
18.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

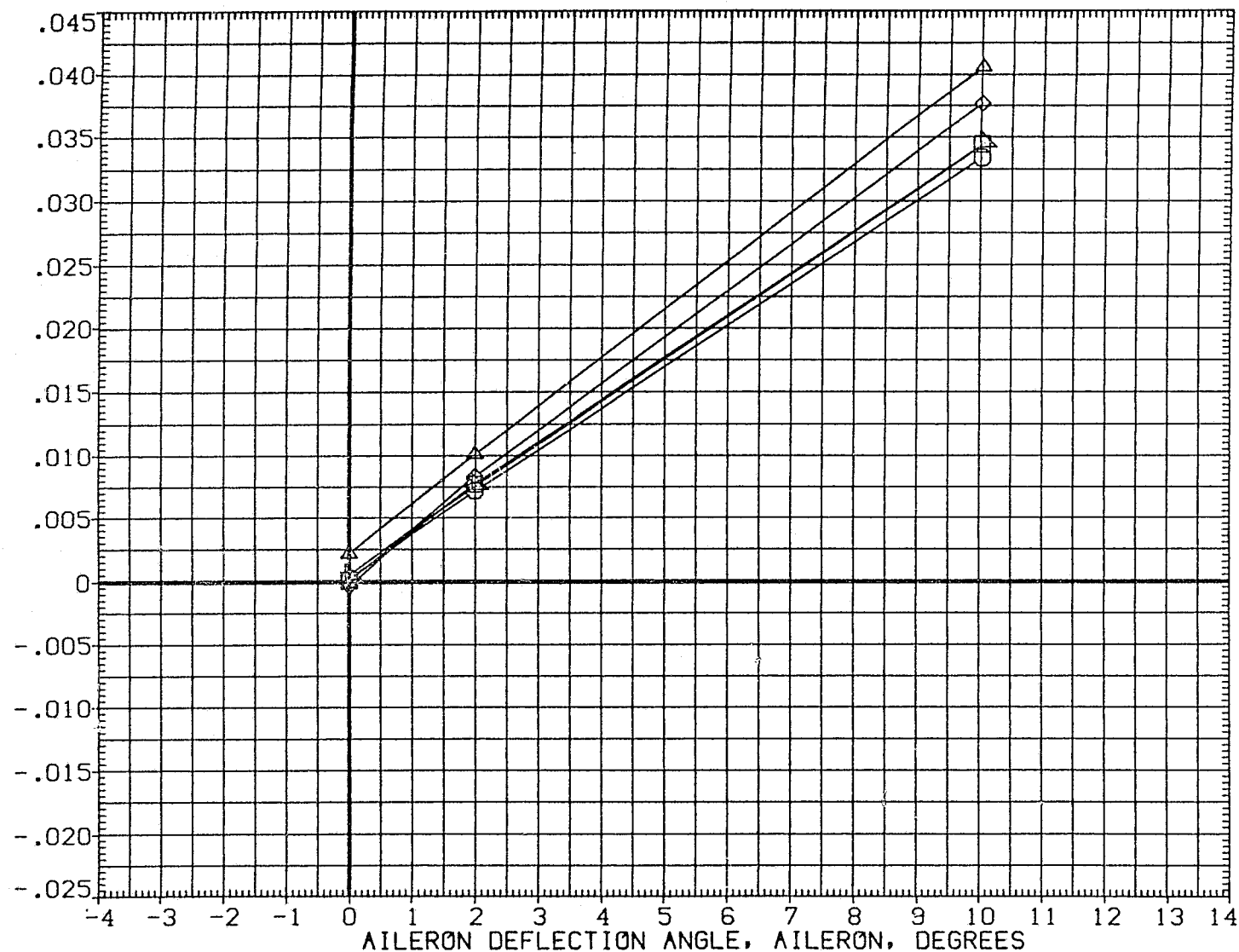


FIGURE 8. AILERON CONTROL EFFECTIVENESS (ELEVON = 0.0 DEGREES)

(A)MACH = .60

PAGE 164

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3012)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	ELEVON	-10.000
□	1.120				
○	1.200				
		DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

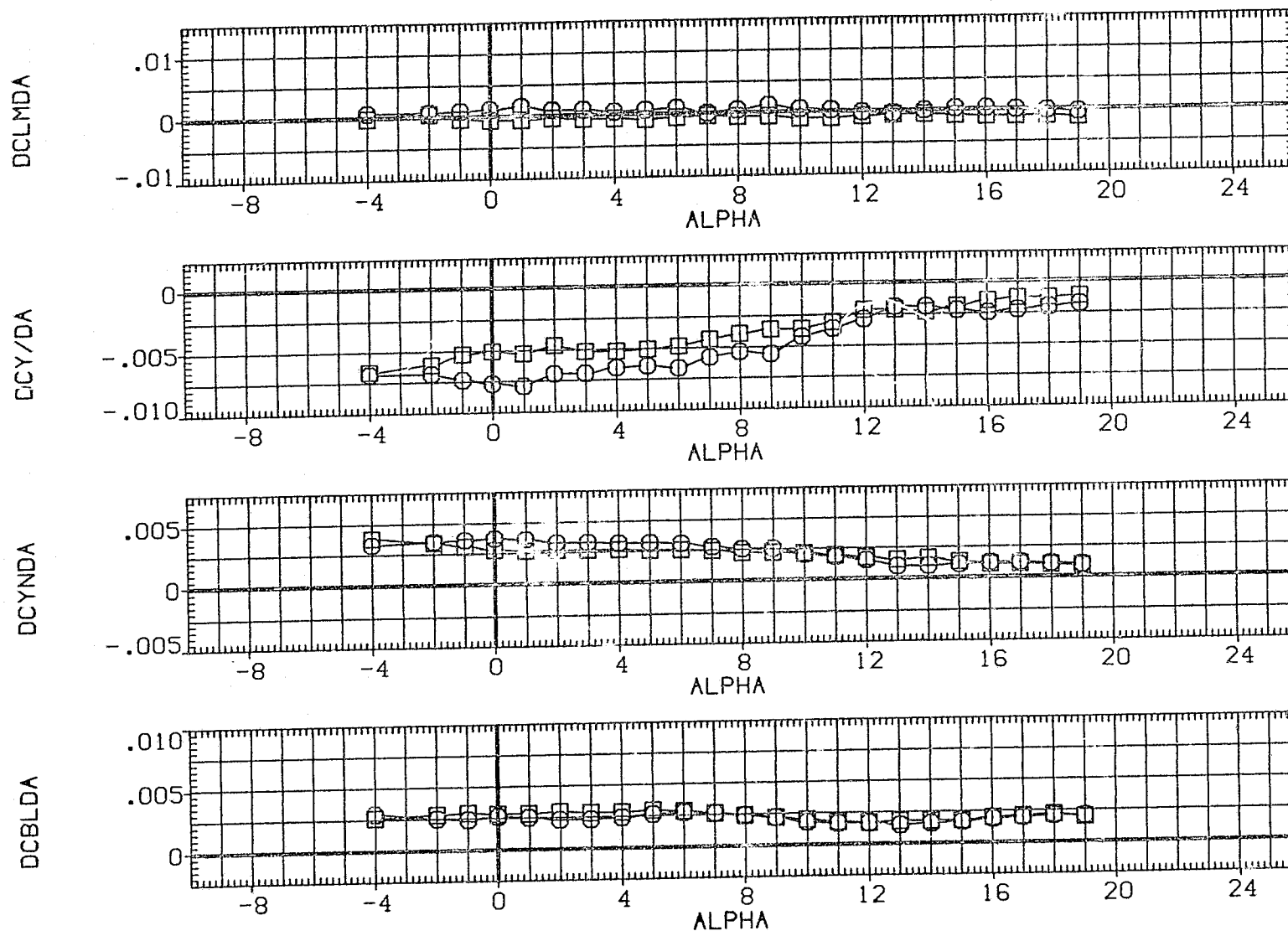


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES			
		BETA	ELEVON	SPDBRK	BDFLAP
○	.950	.000	-10.000	25.000	.000
		DAILRN	2.000		
		RUDDER	.000		

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. Y0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

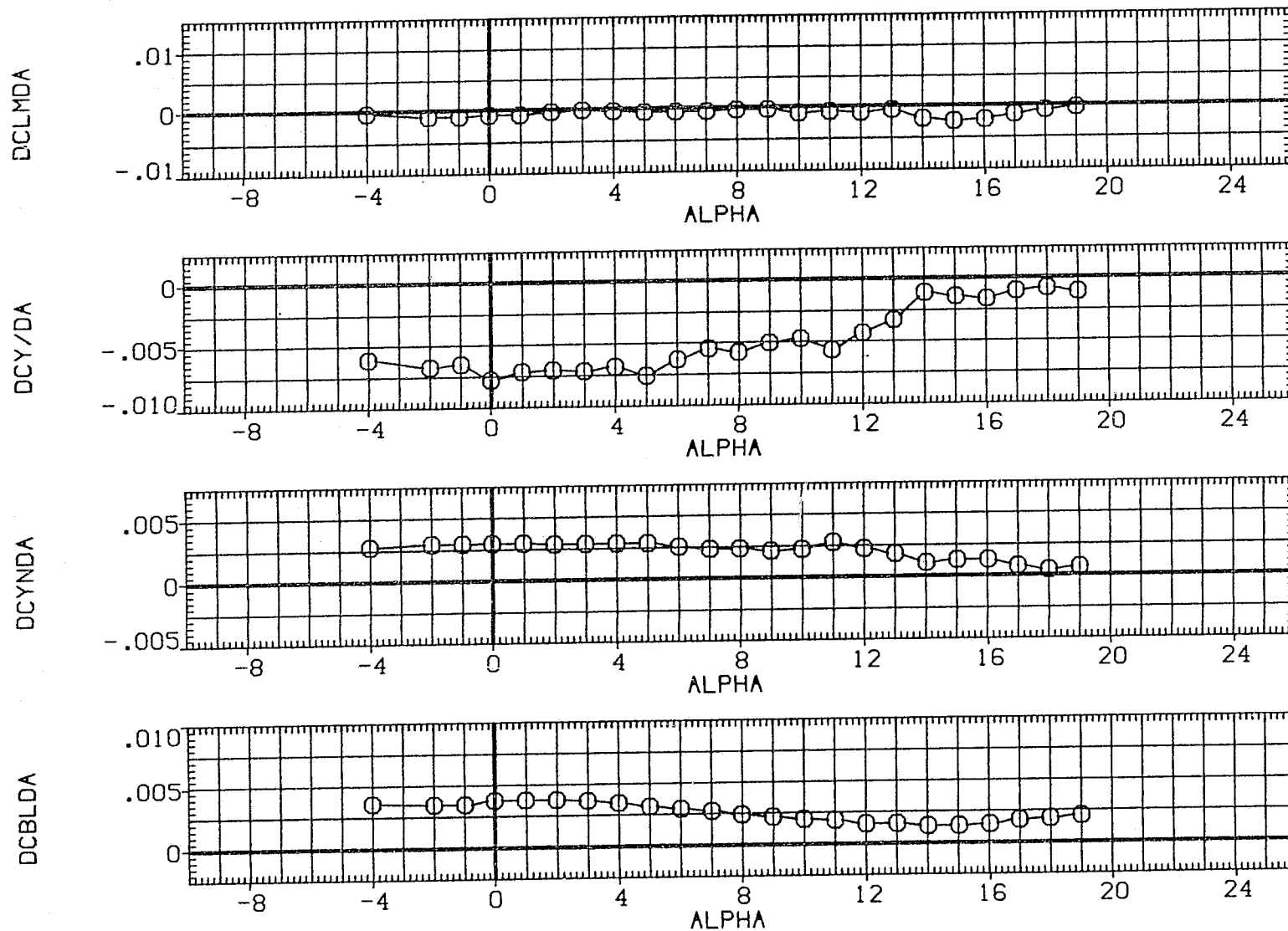


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3012)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.800	BETA	.000	ELEVON	-10.000
□	.899	DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

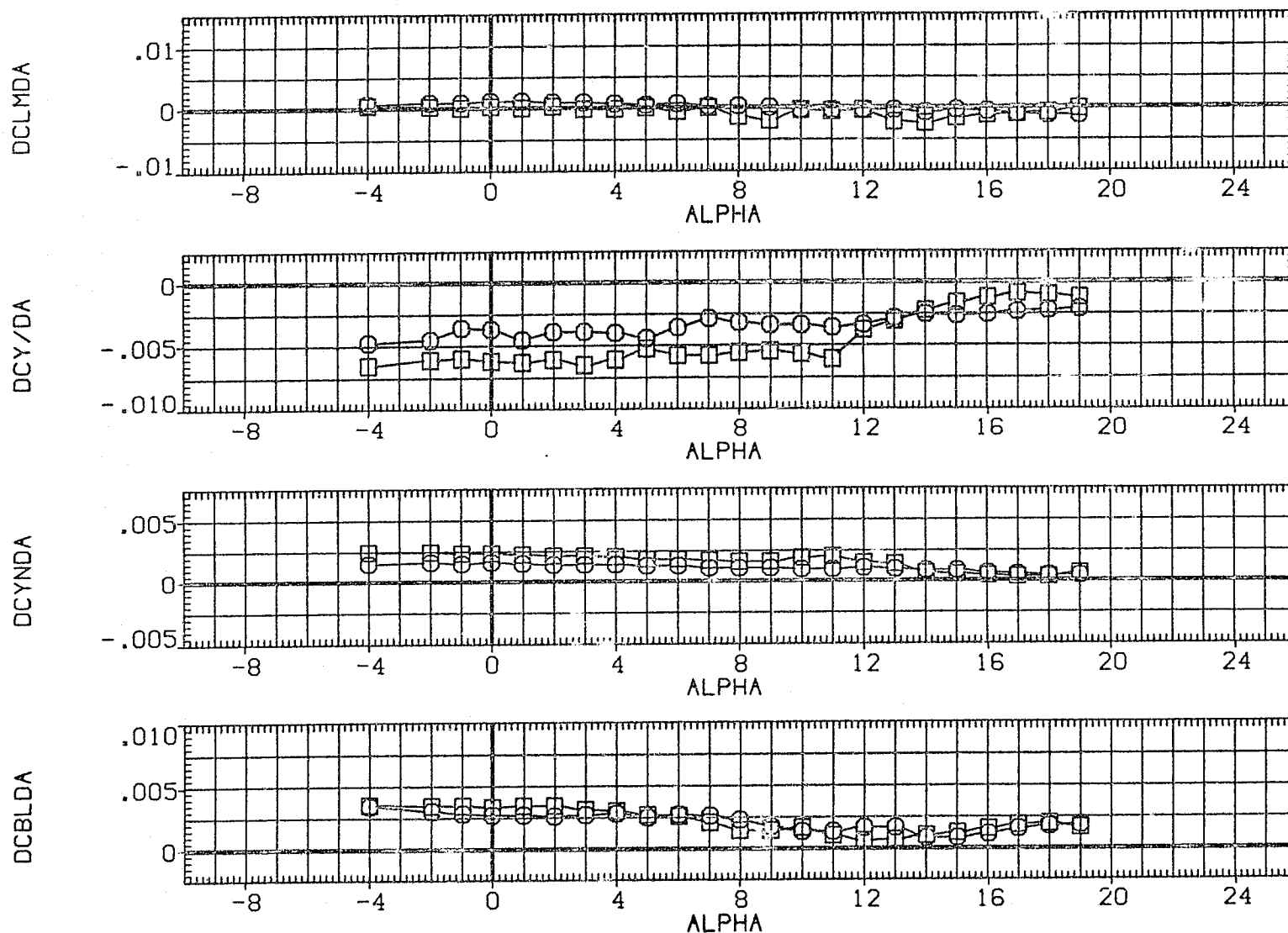


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES		
○	.800	BETA .000	ELEVON -10.000	
		DAILRN 2.000	SPDBRK 25.000	
		RUDDER .000	BDFLAP .000	

REFERENCE INFORMATION		
SREF	2890.0000	90.FT.
LREF	474.8000	INCHES
BREF	938.8800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

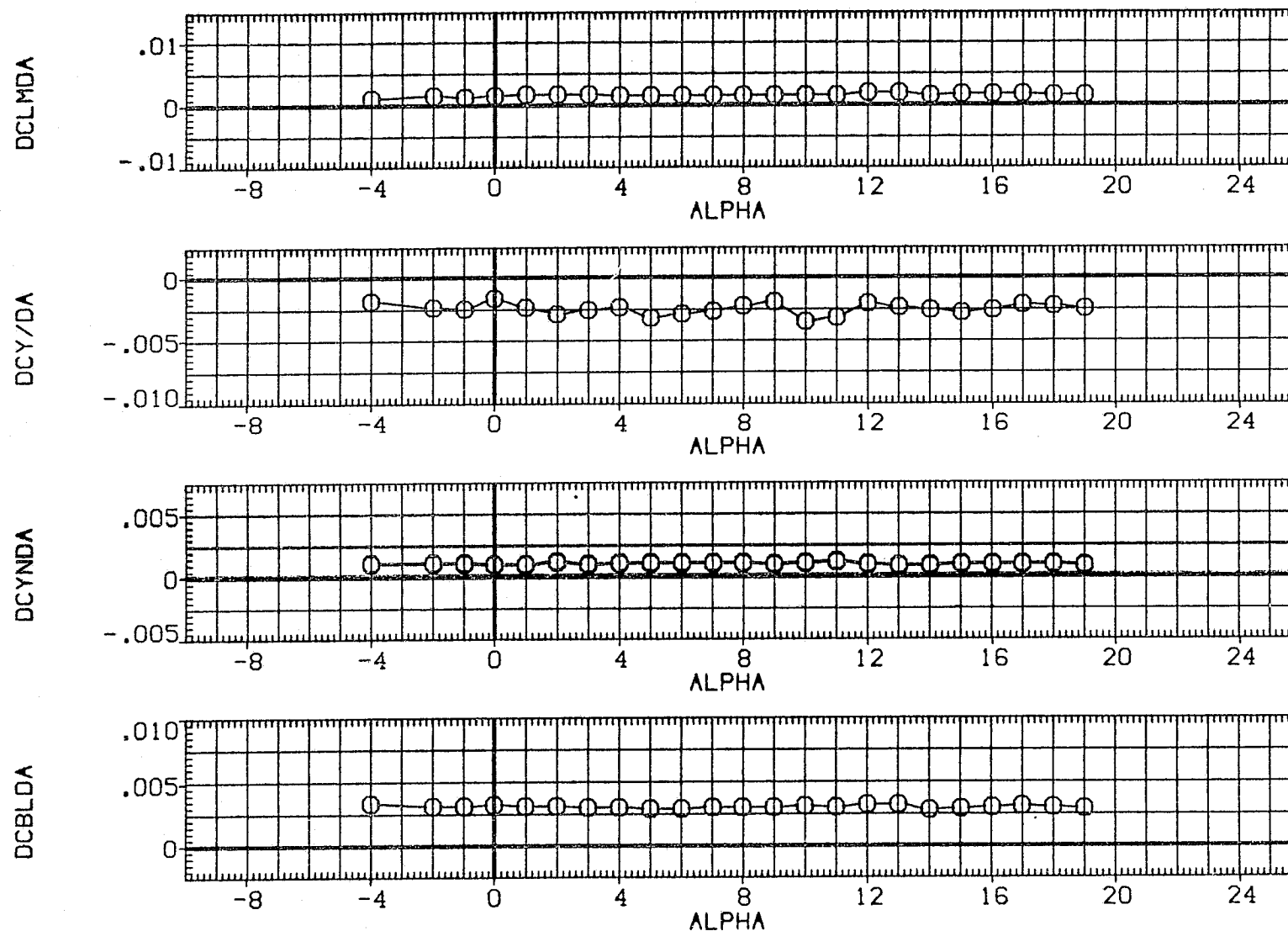


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3014)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.120	BETA	.000	ELEVON	.000
□	1.200	DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

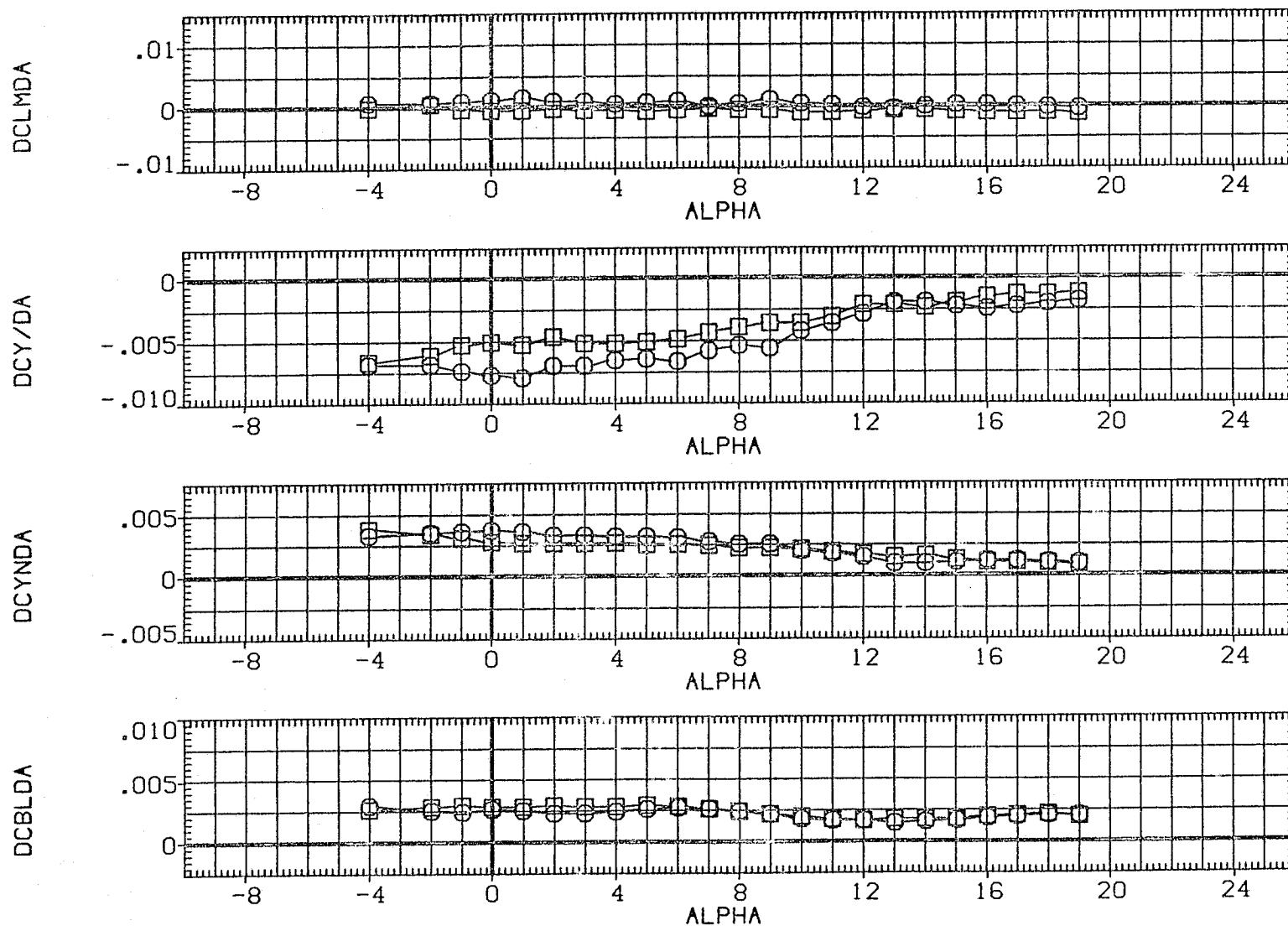


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.950	BETA	.000	ELEVON	.000
		DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

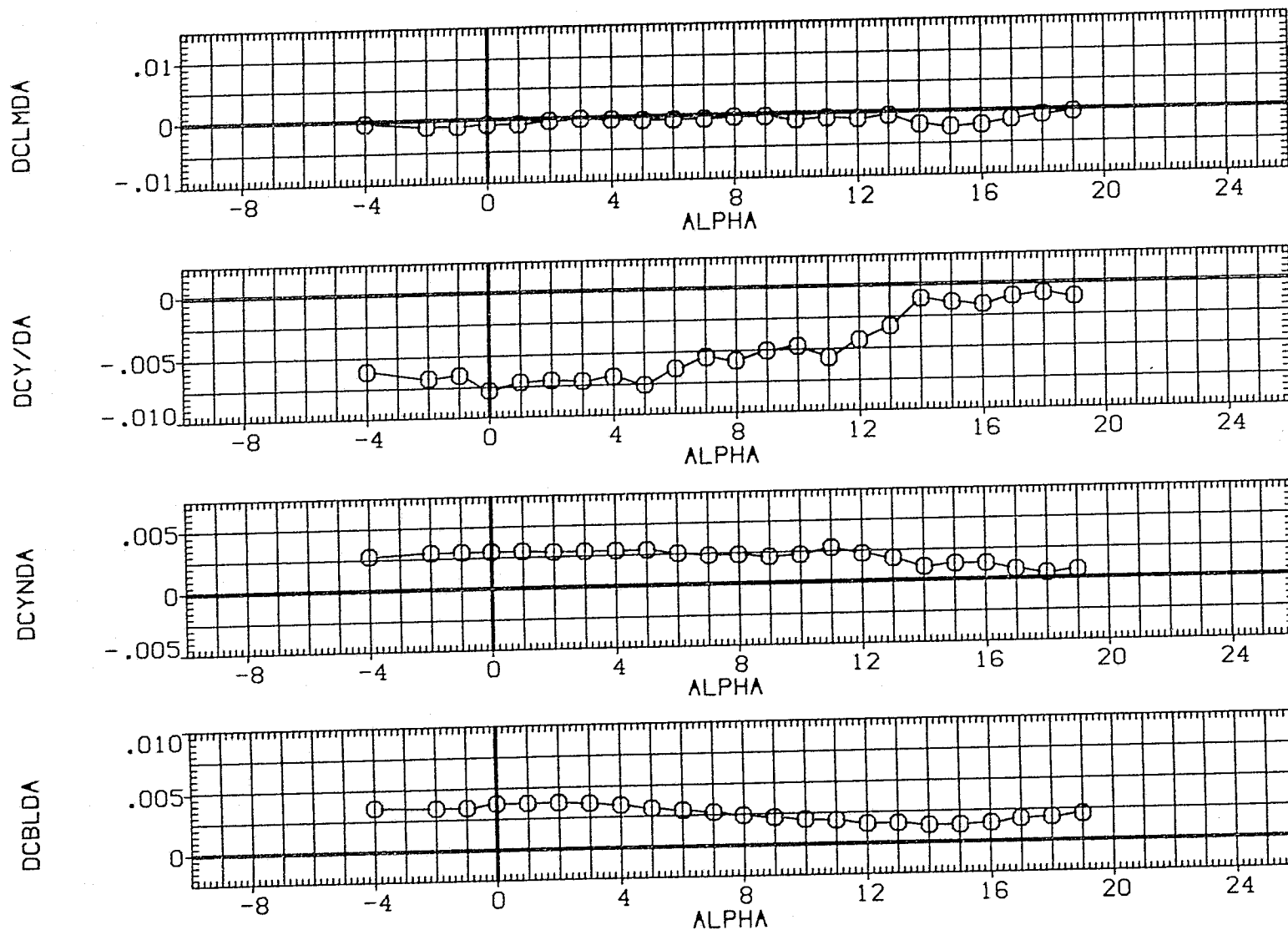


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3014)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.800	BETA	.000	ELEVON	.000
□	.899	DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SG.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

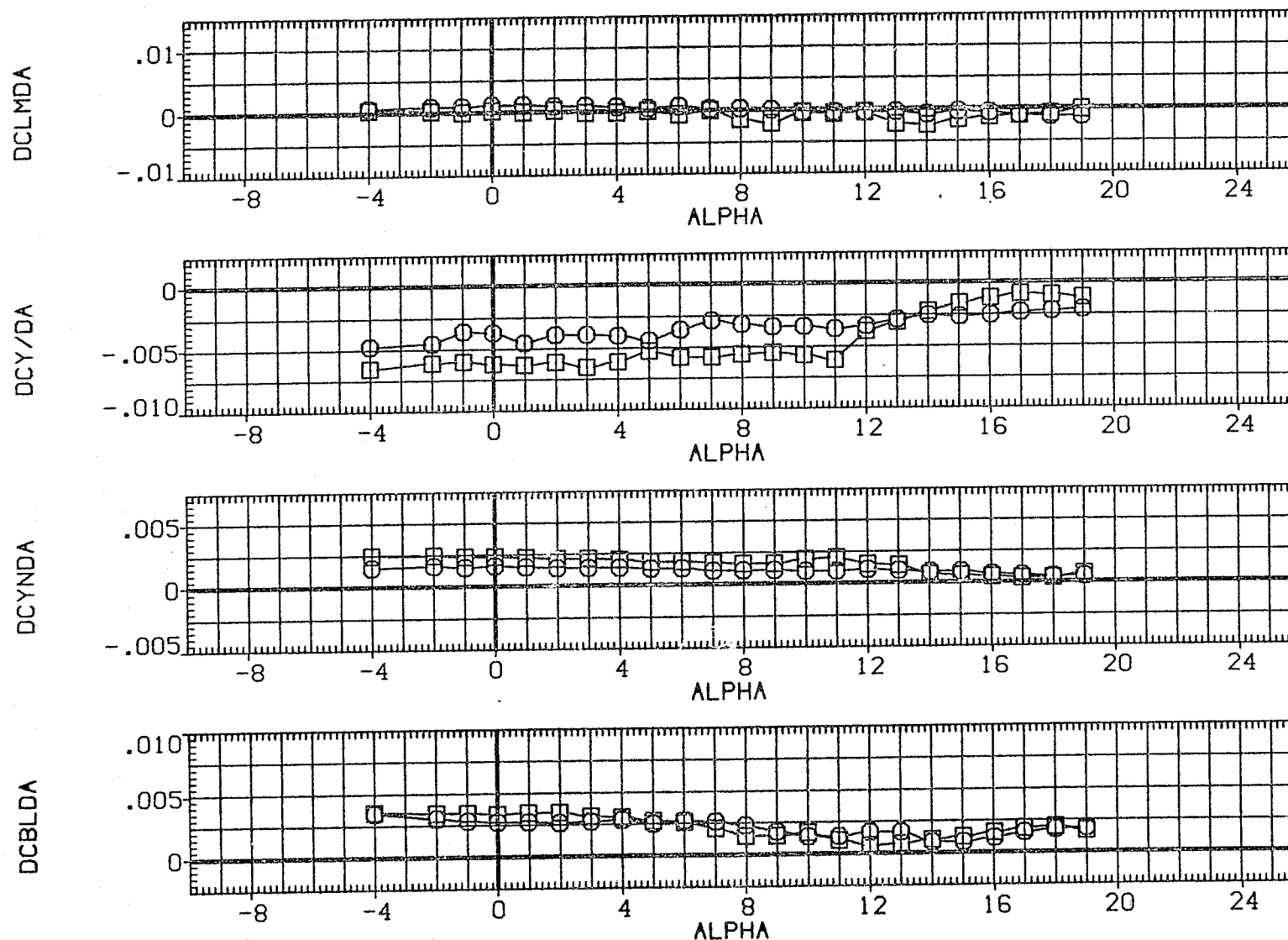


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.120	BETA	.000	ELEVON	.000
		DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

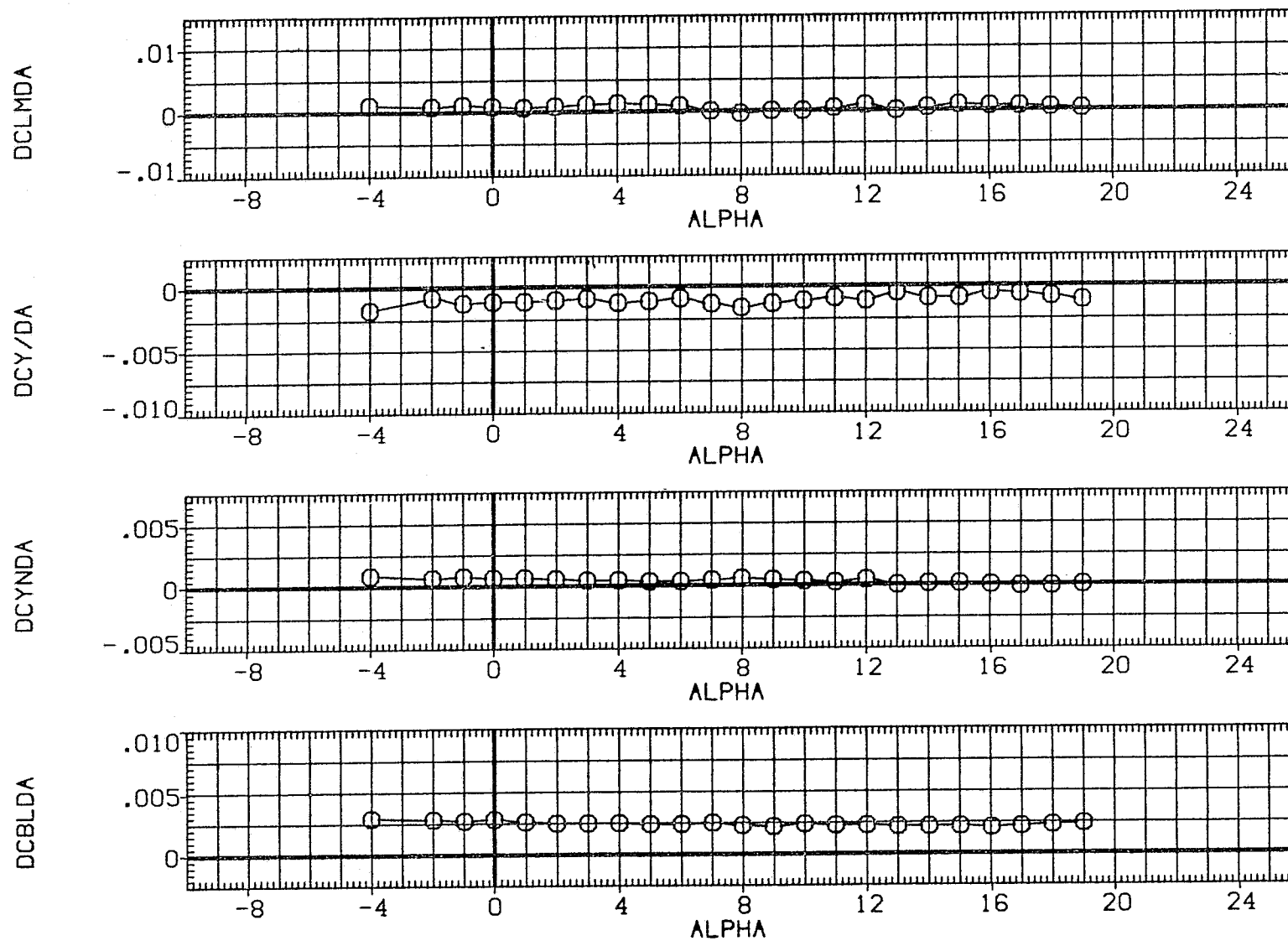


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3016)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	ELEVON	10.000
○	1.122	.000	2.000	SPOBRK	25.000
□	1.201	.000	.000	BOFLAP	.000

REFERENCE INFORMATION		
BREF	2680.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
YMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

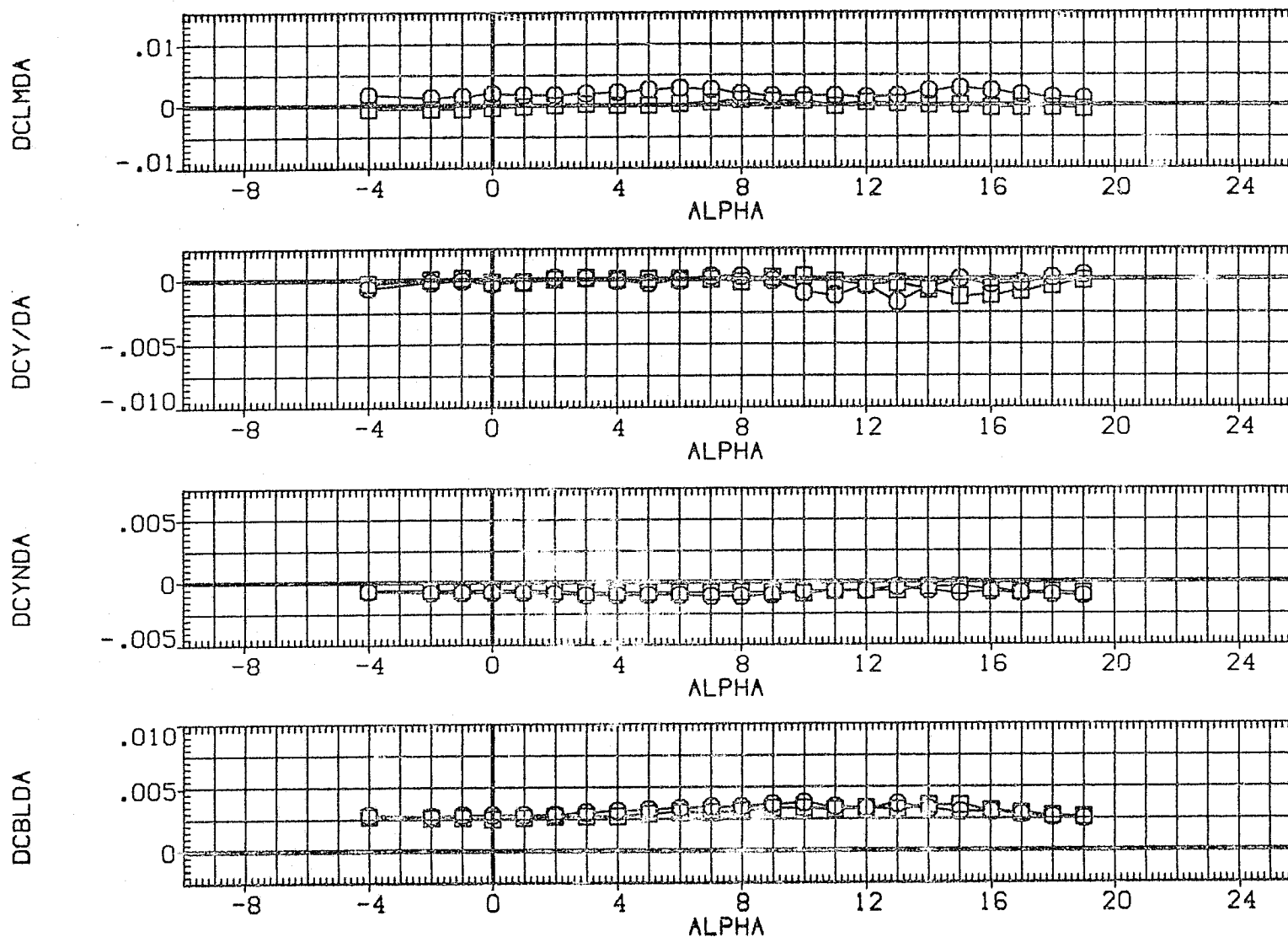


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.950	BETA	.000	ELEVON	10.000
		DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
YMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

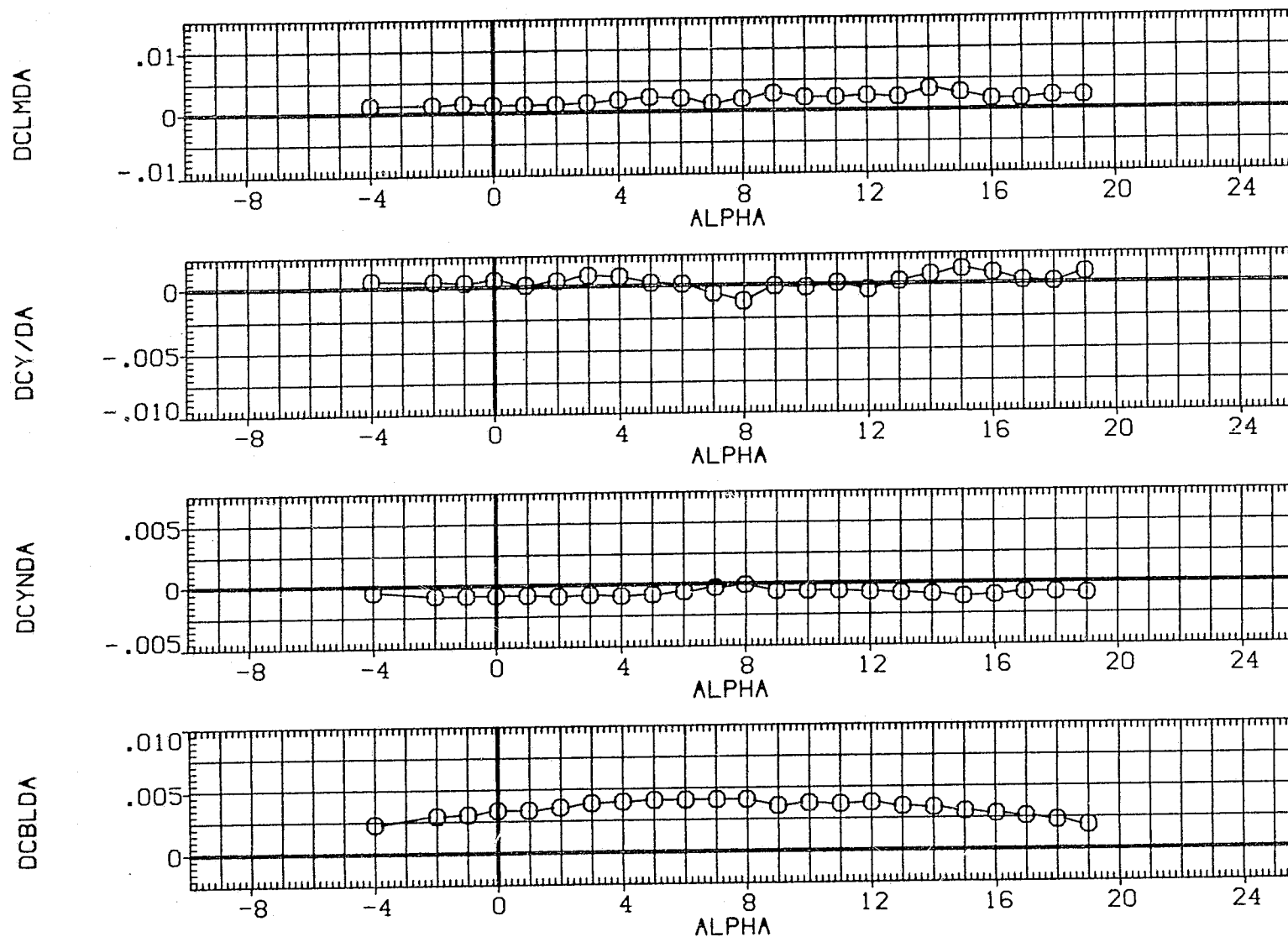


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3016)

SYMBOL	MACH	BETA	PARAMETRIC VALUES	ELEVON	10.000
○	.800		.000		
□	.900	DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

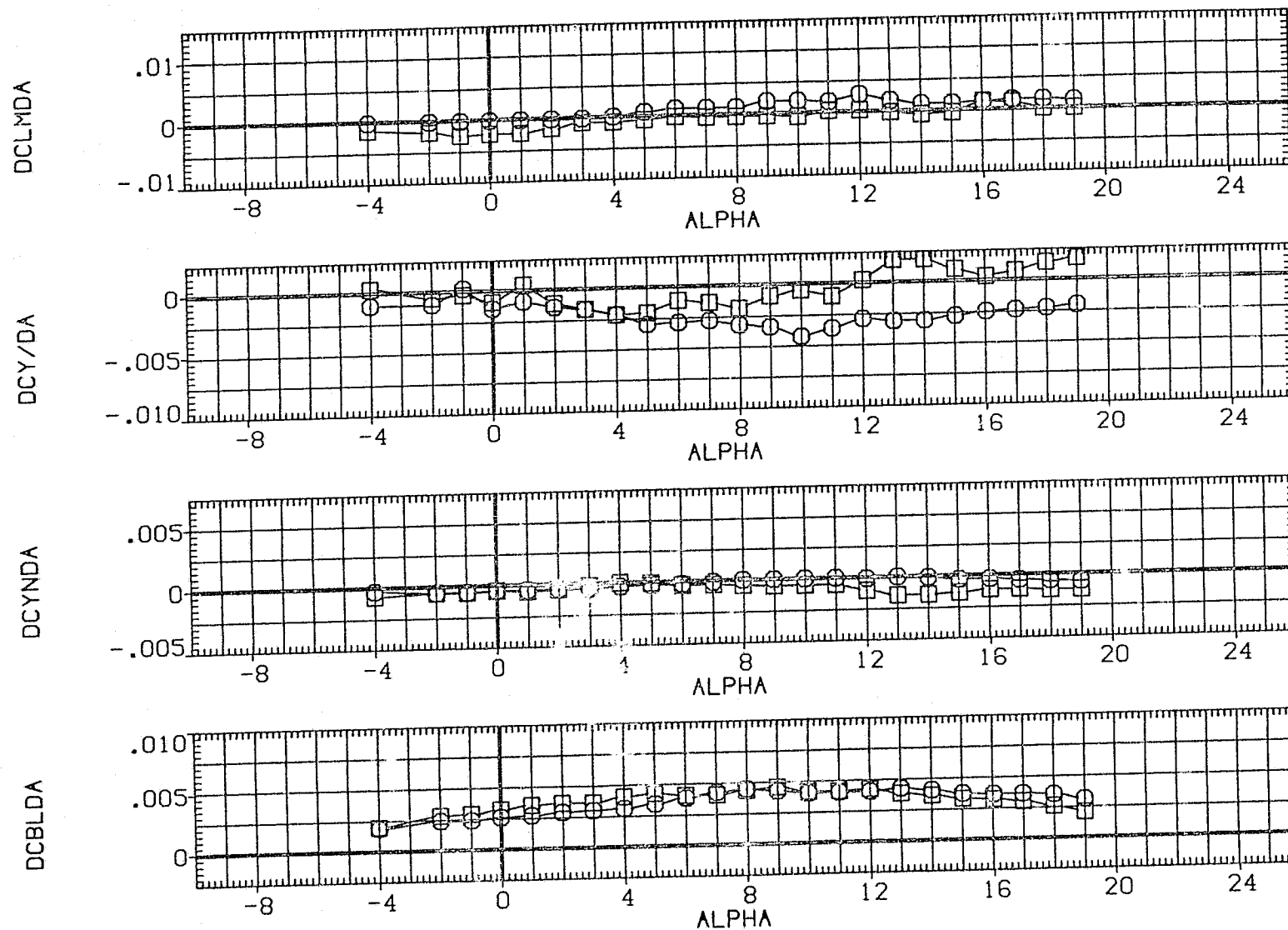


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

SYMBOL	MACH	PARAMETRIC VALUES			
○	.600	BETA	.000	ELEVON	10.000
		DAILRN	2.000	SPDBRK	25.000
		RUDDER	.000	BDFLAP	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

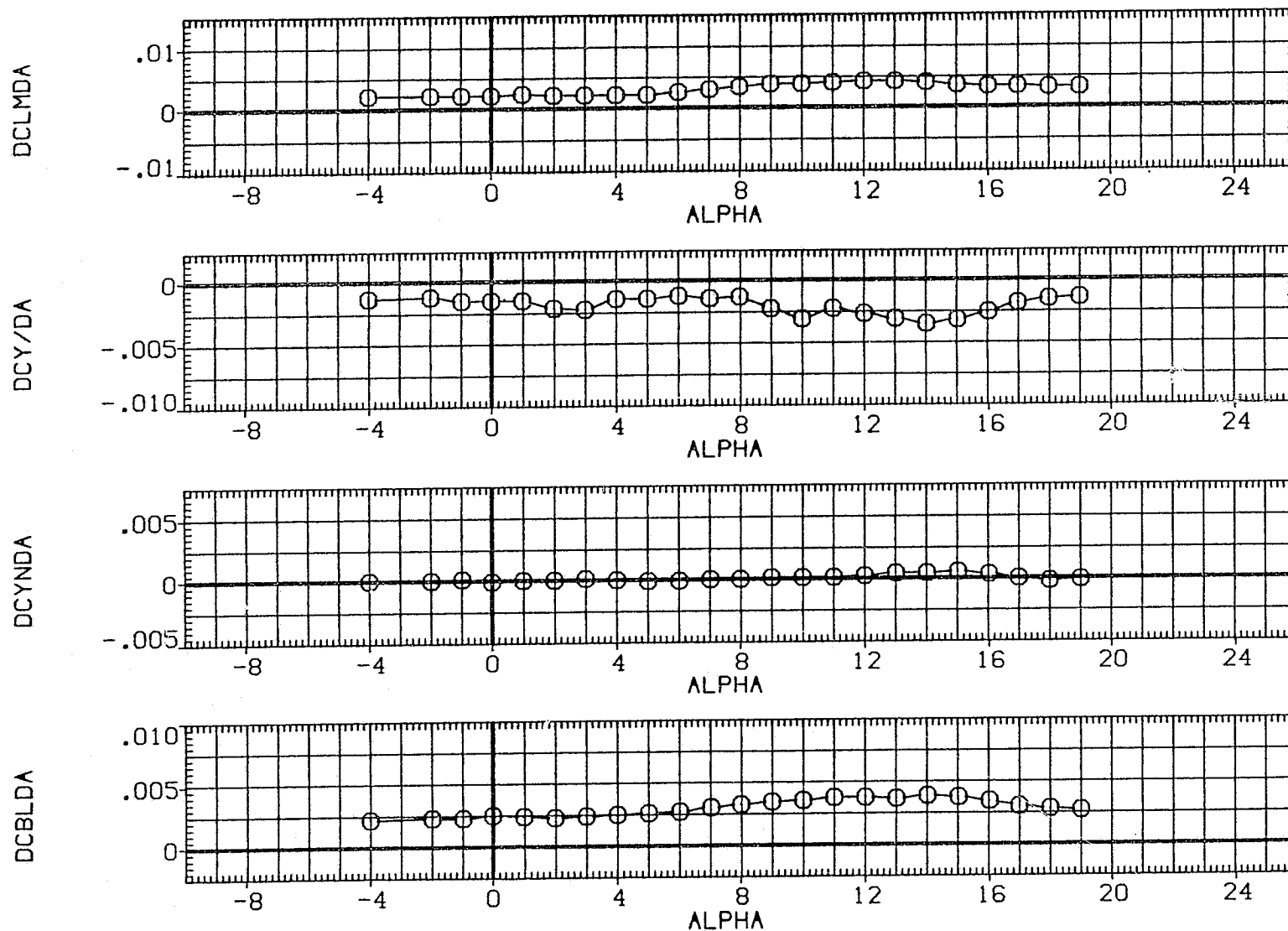


FIGURE 9. AILERON DERIVATIVES AT SELECTED MACH NUMBER

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	LARC 3FT TPT 717(LA-62) 140C ORBITER
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

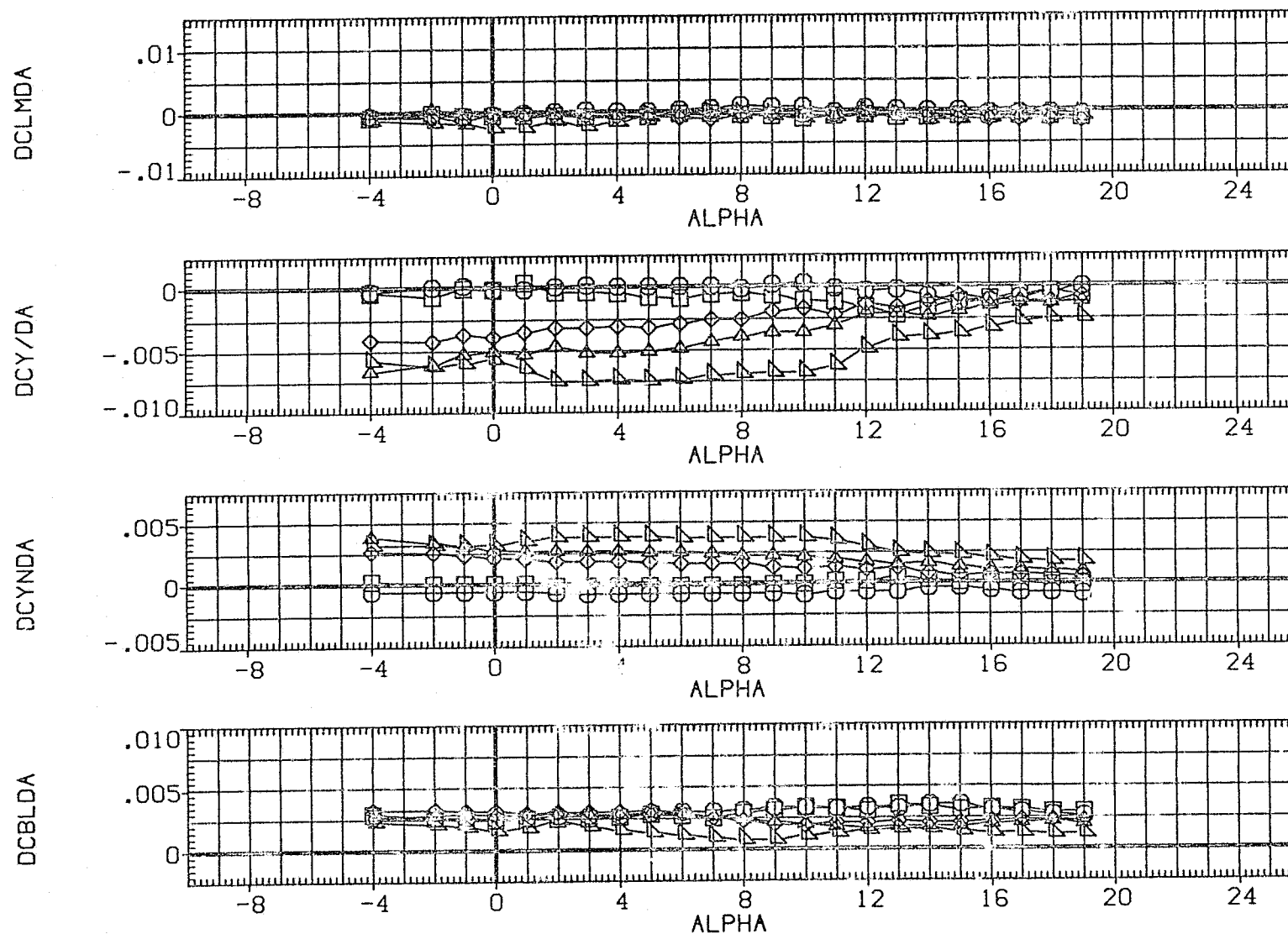


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3018)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(NJ3019)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(NJ3013)	DATA NOT AVAILABLE
(NJ3012)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DALRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2880.0000	89. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

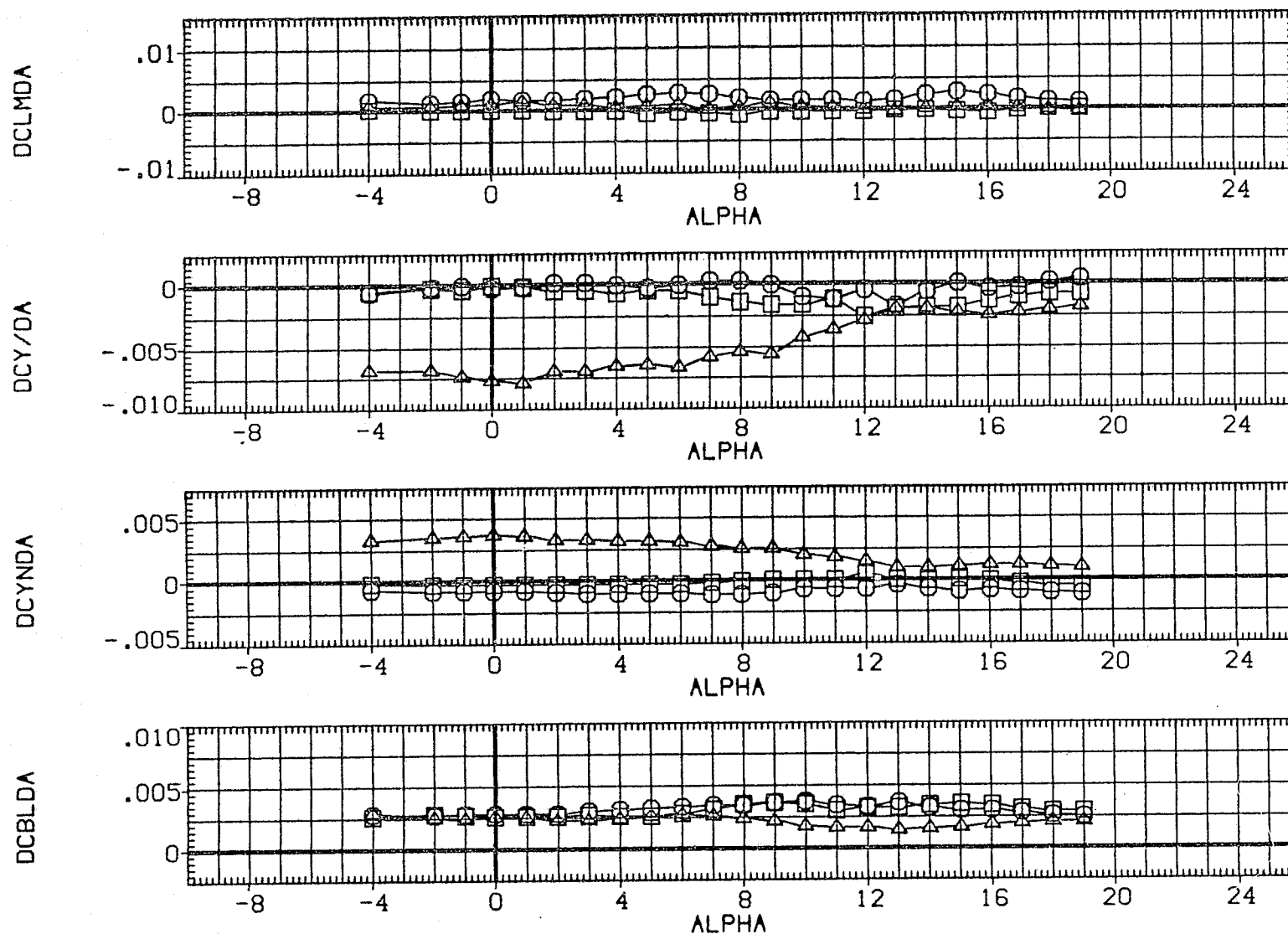


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	DATA NOT AVAILABLE
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

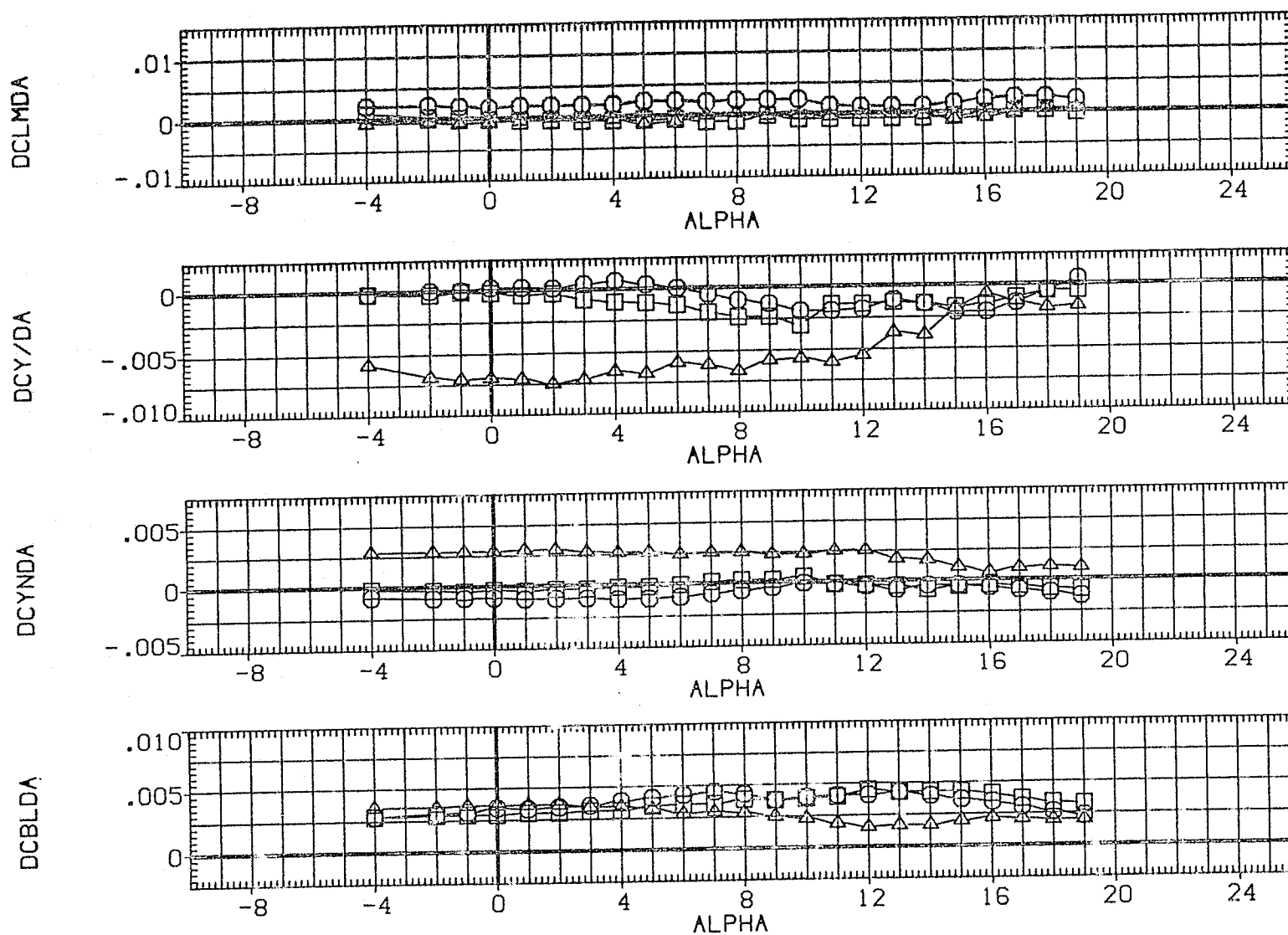


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A) MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	DATA NOT AVAILABLE
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

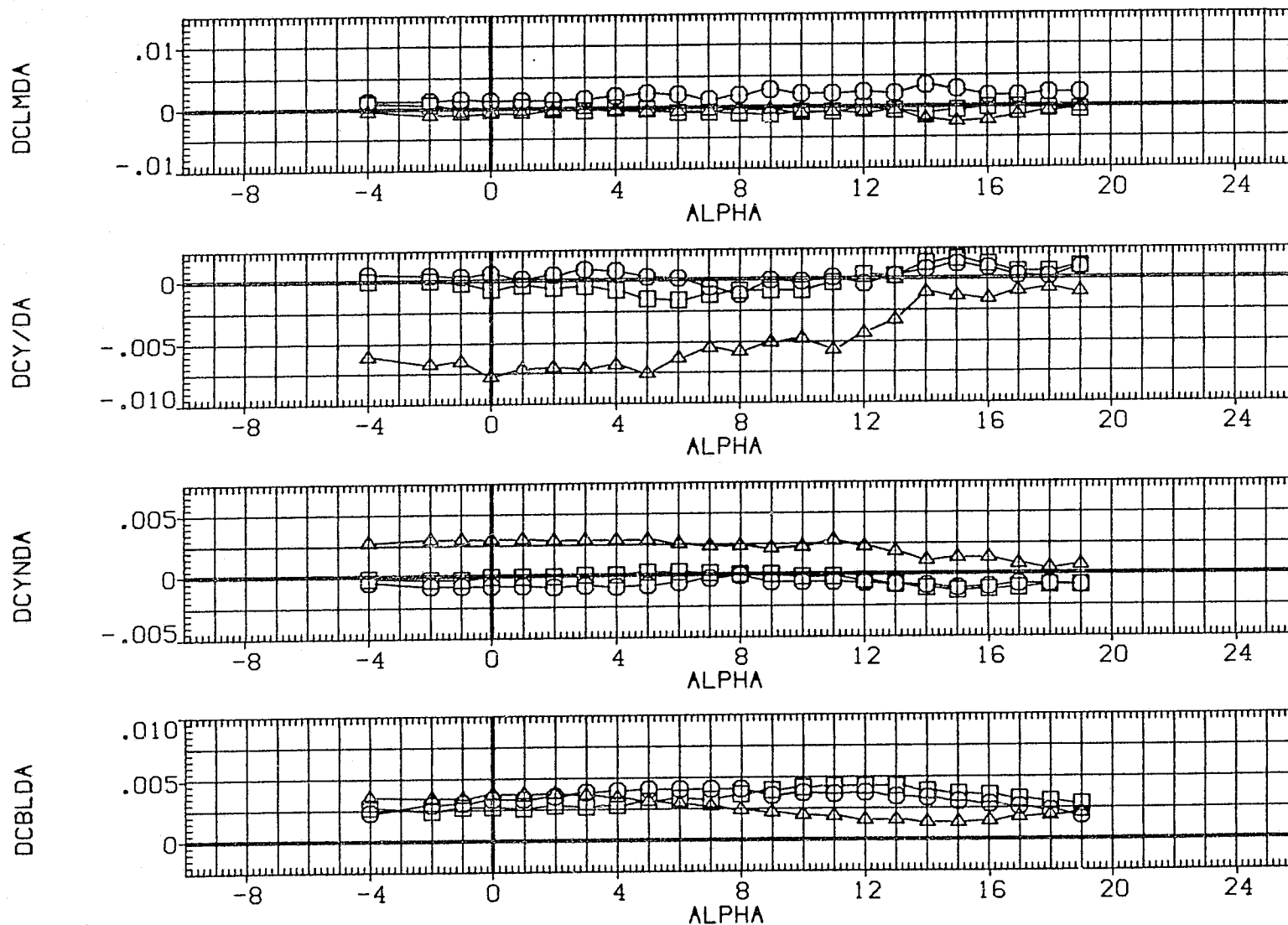


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	DATA NOT AVAILABLE
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

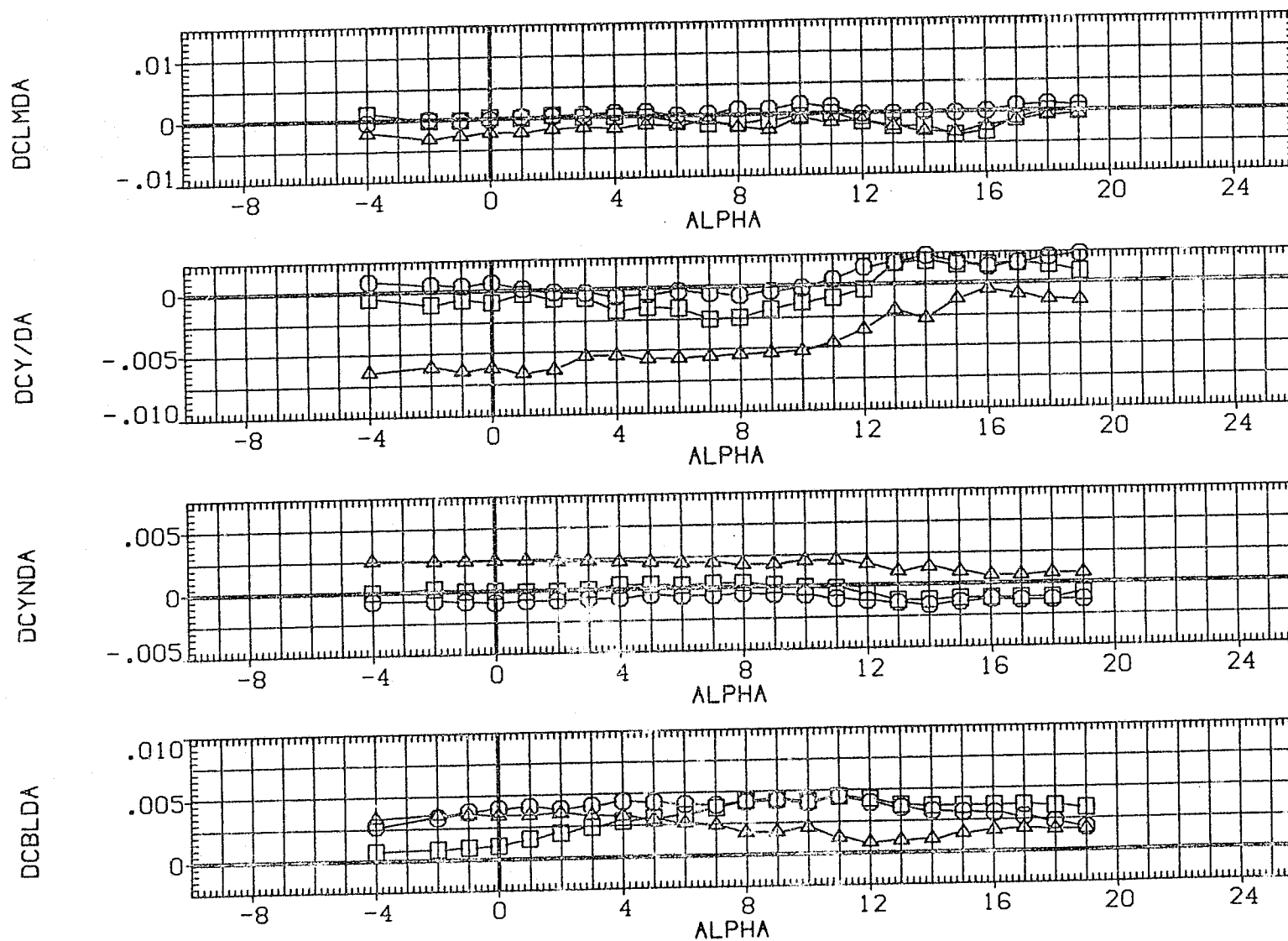


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A) MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

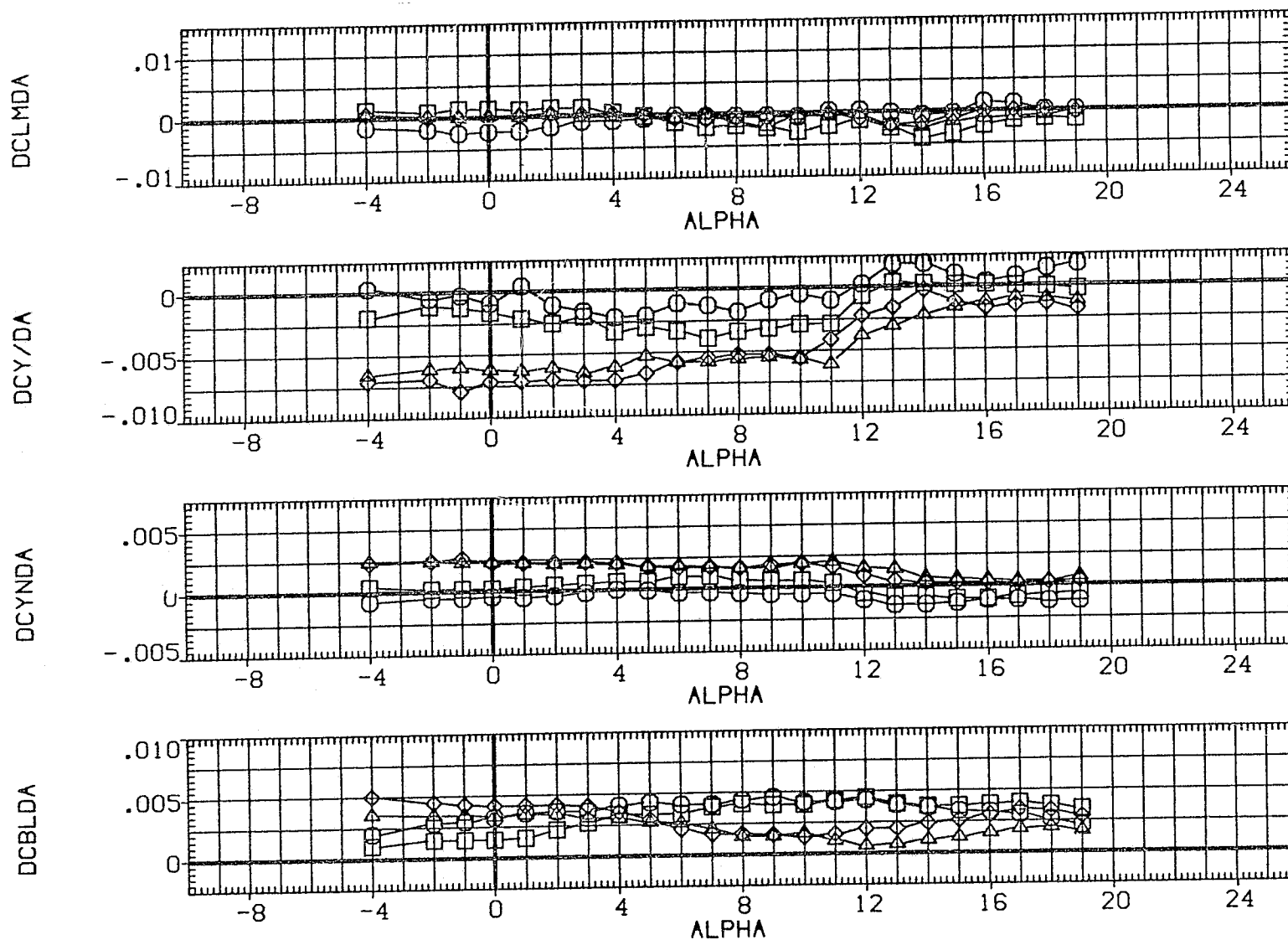


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

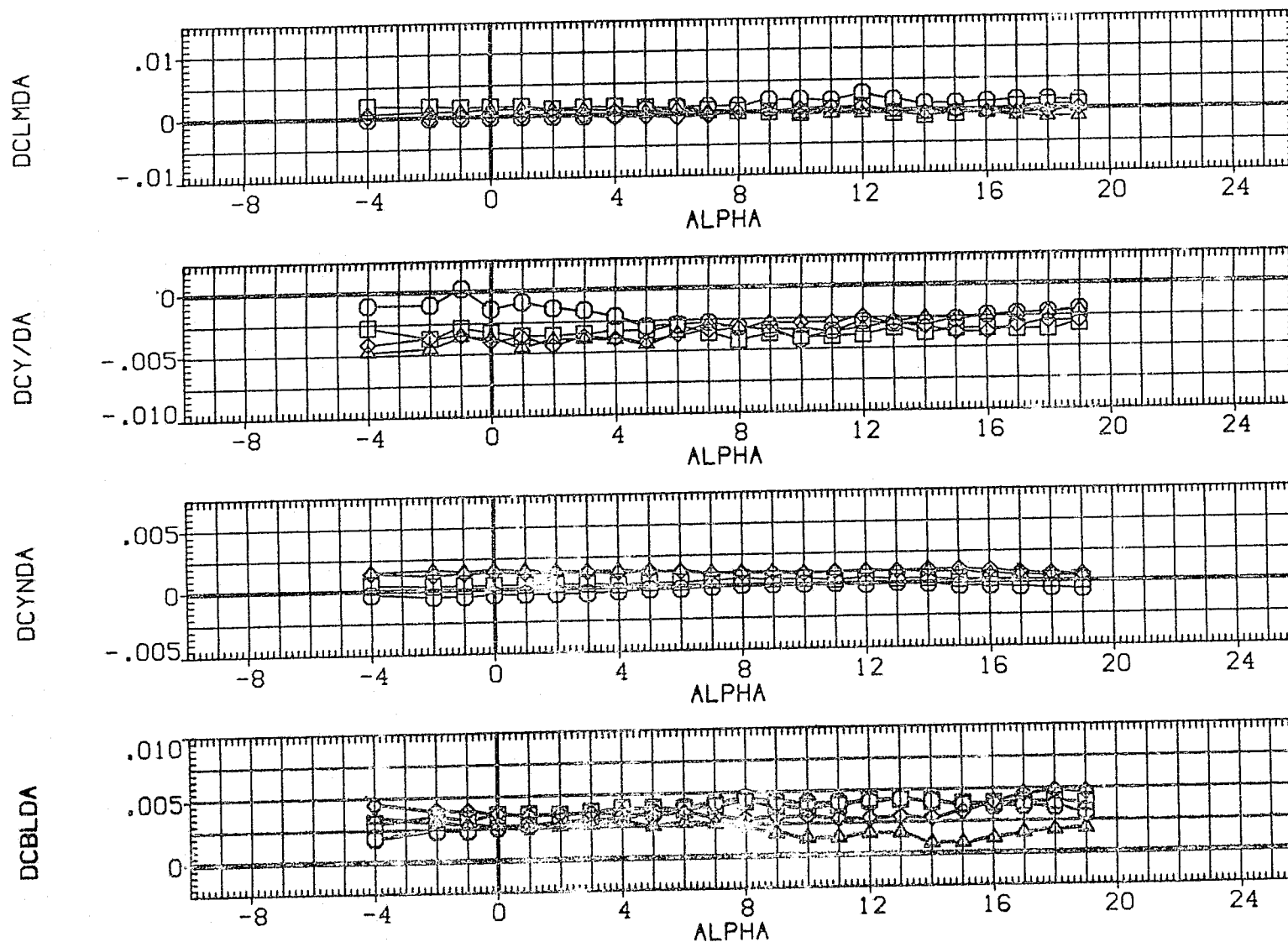


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	DATA NOT AVAILABLE
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAIRLN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

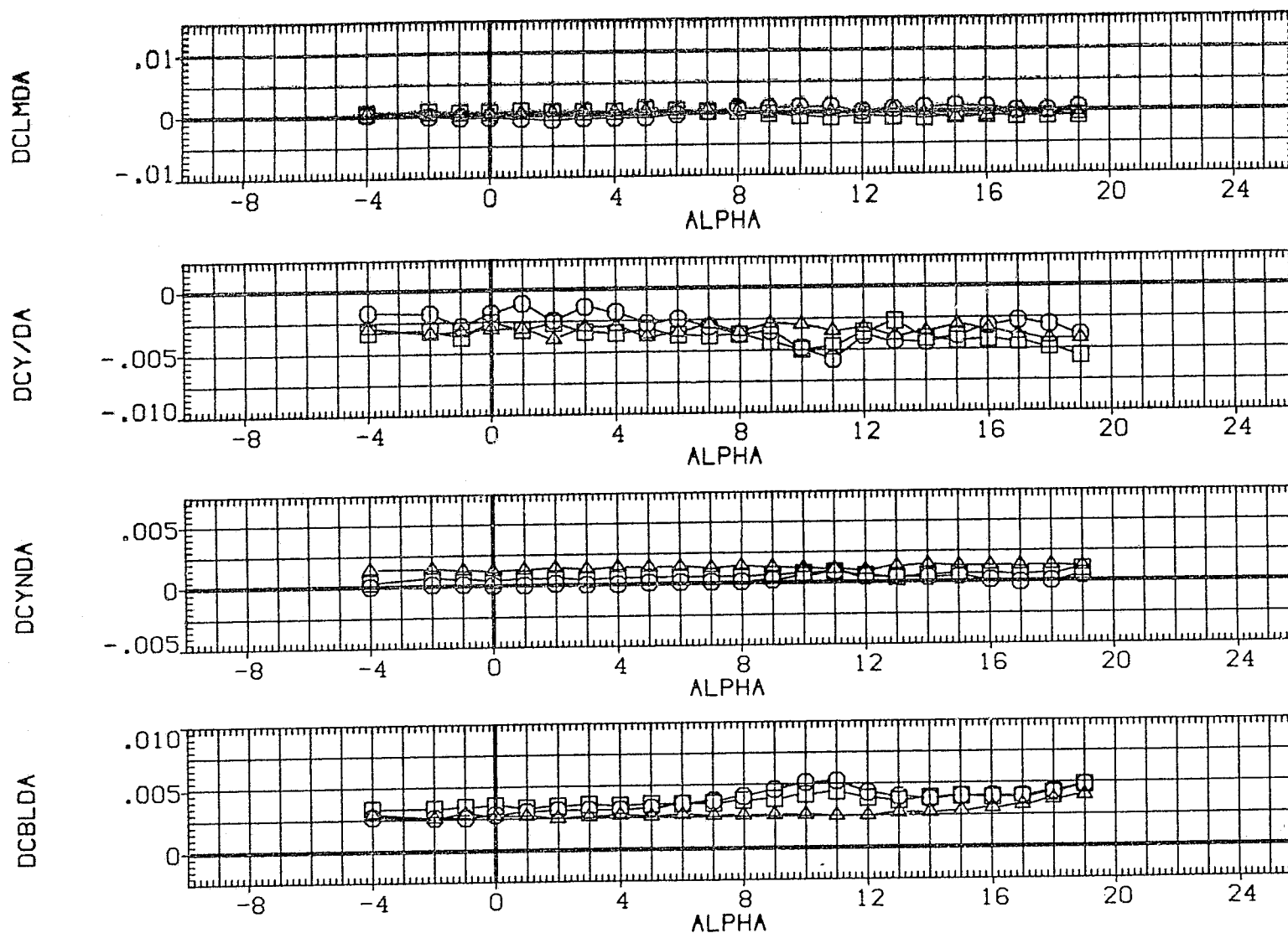


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3015)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3013)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3012)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3010)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

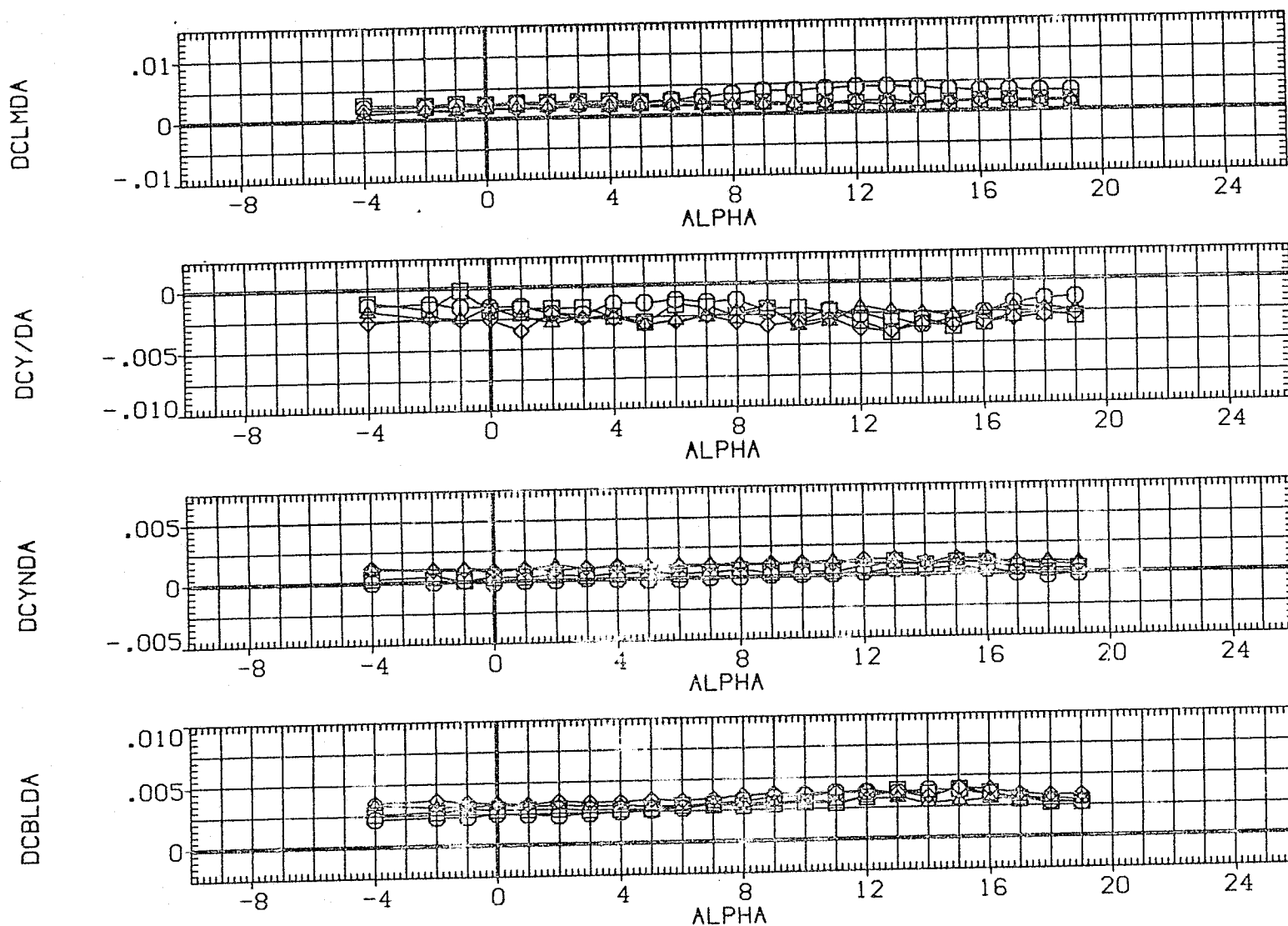


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(NJ3021) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (NJ3020) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (NJ3019) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (NJ3018) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN ELEVON

10.000 5.000
 10.000 .000
 10.000 -5.000
 10.000 -10.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

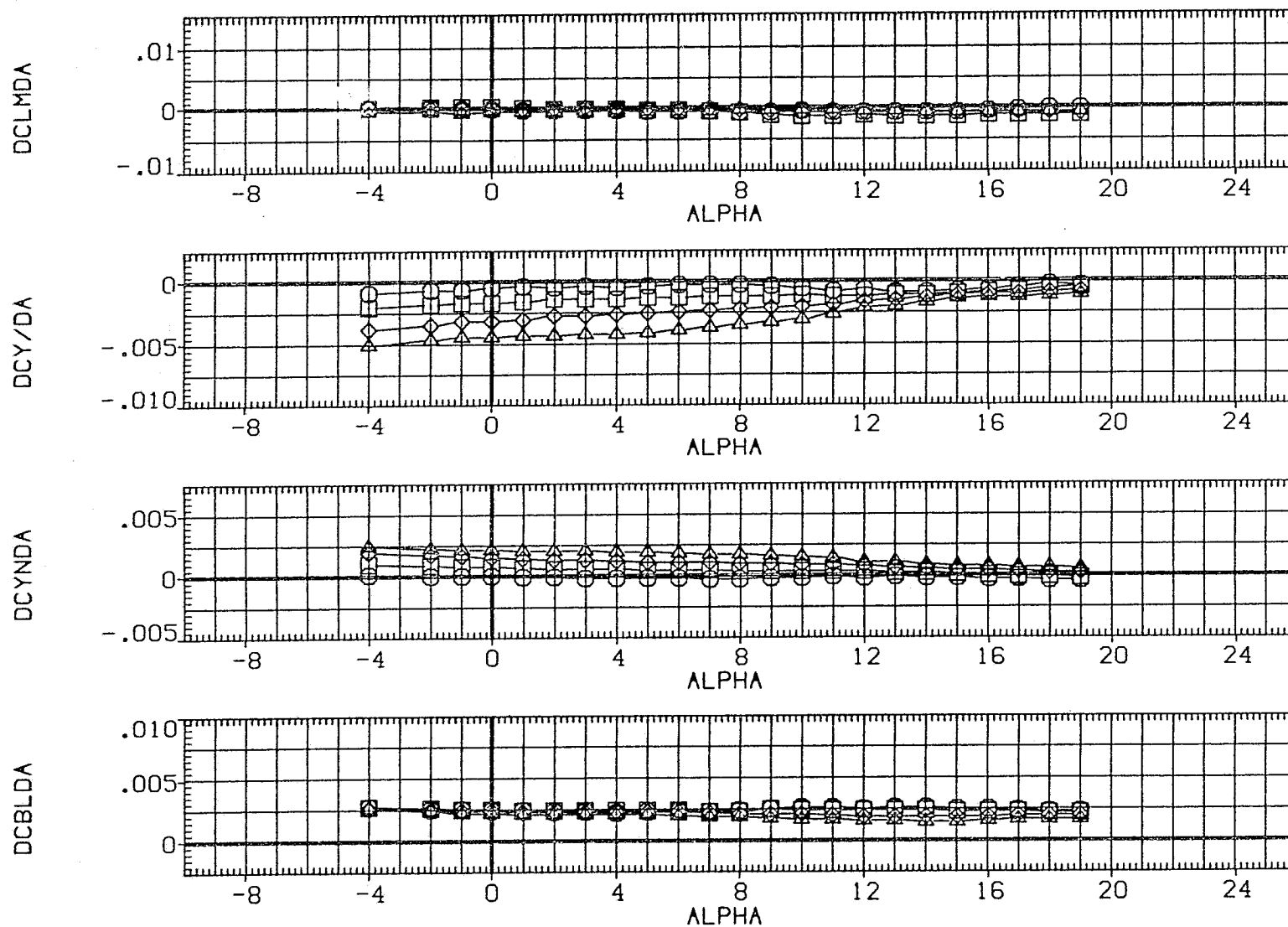


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3021)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3020)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3019)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3018)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
10.000	5.000
10.000	.000
10.000	-5.000
10.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

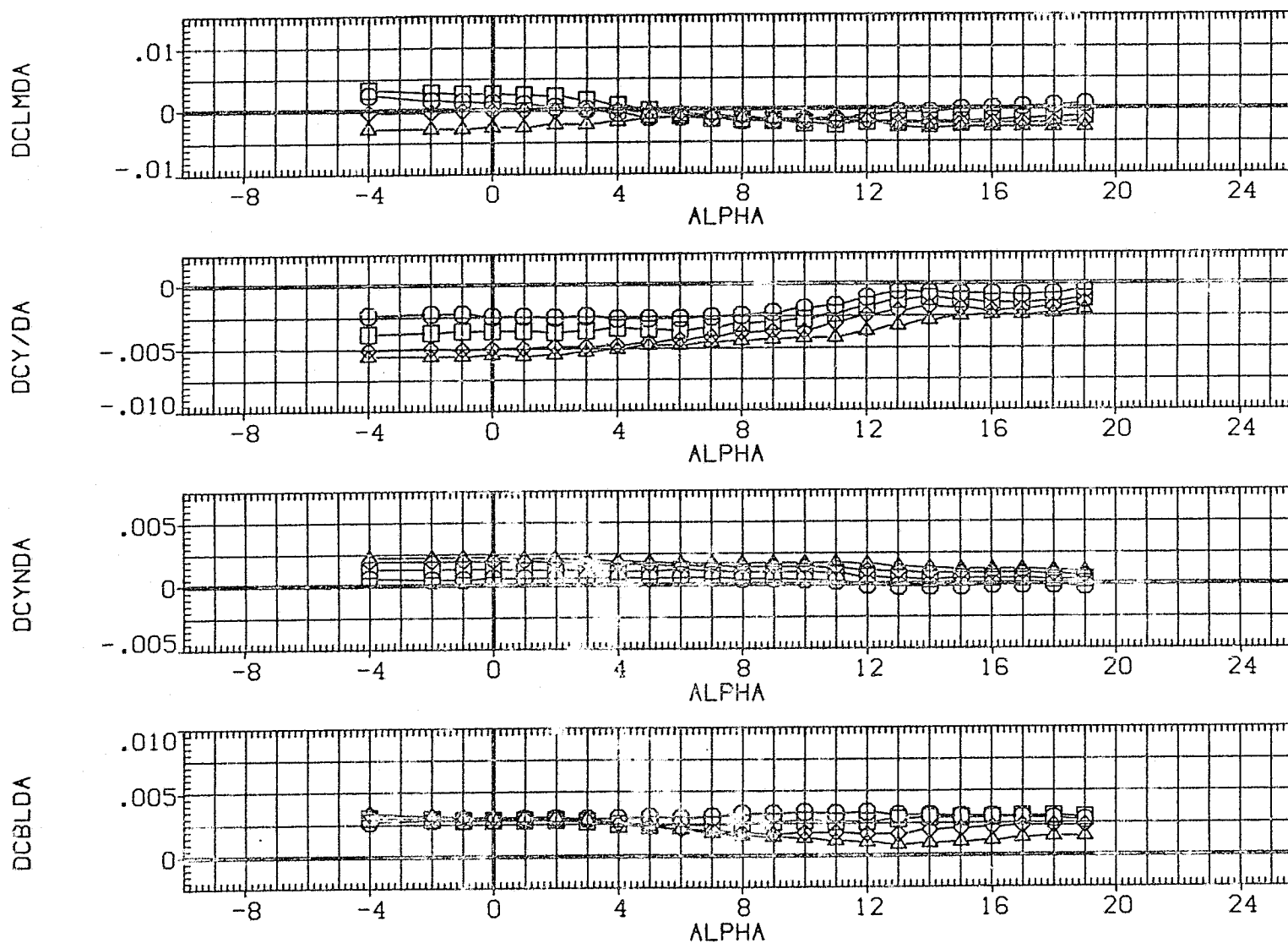


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3021)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3020)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3019)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3018)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
10.000	5.000
10.000	.000
10.000	-5.000
10.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

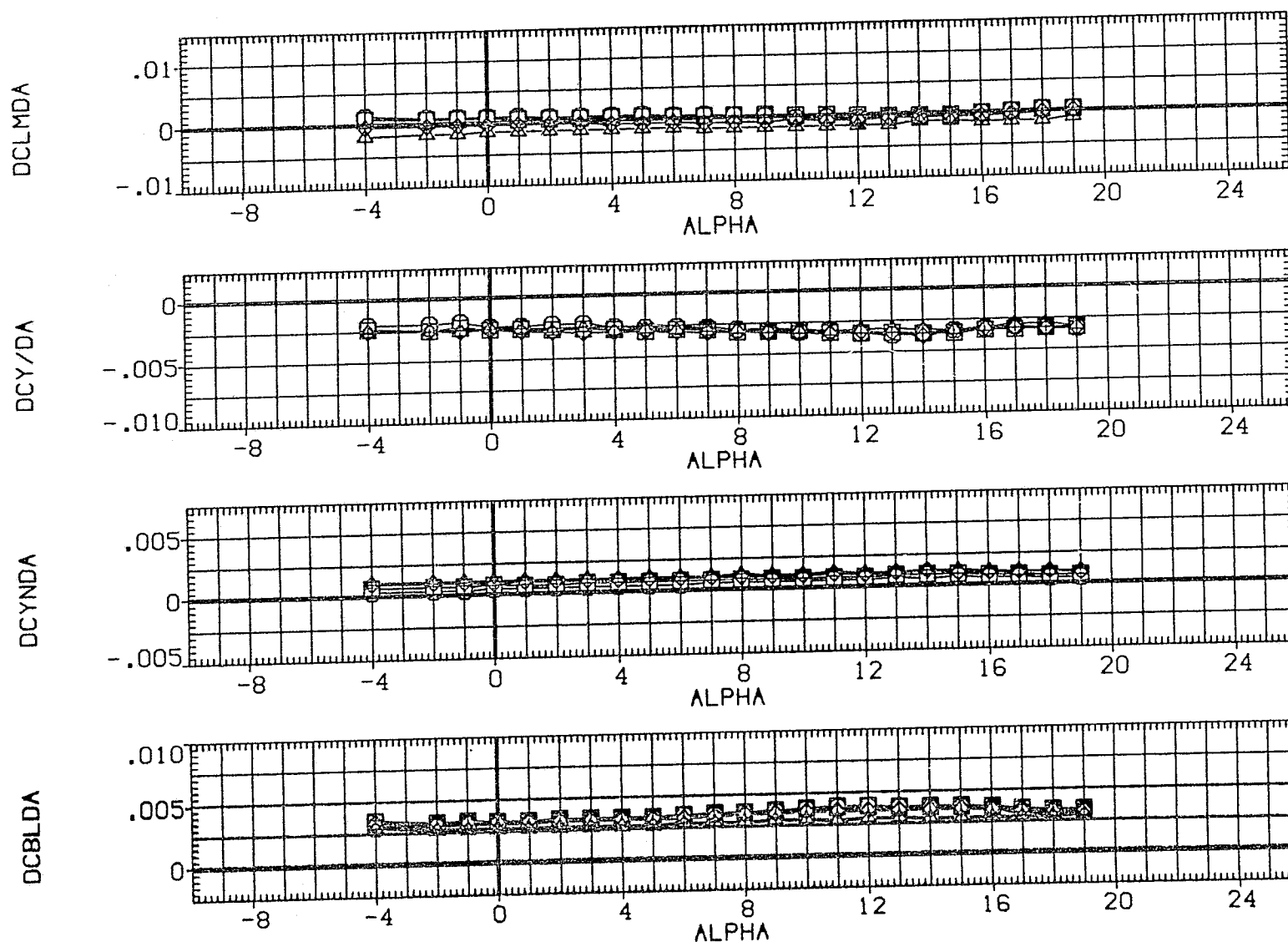


FIGURE 10. AILERON DERIVATIVES (BETA = 0.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(NJ3042)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3041)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3039)	◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3036)	△	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAIRN ELEVON

2.000	10.000
2.000	5.000
2.000	.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

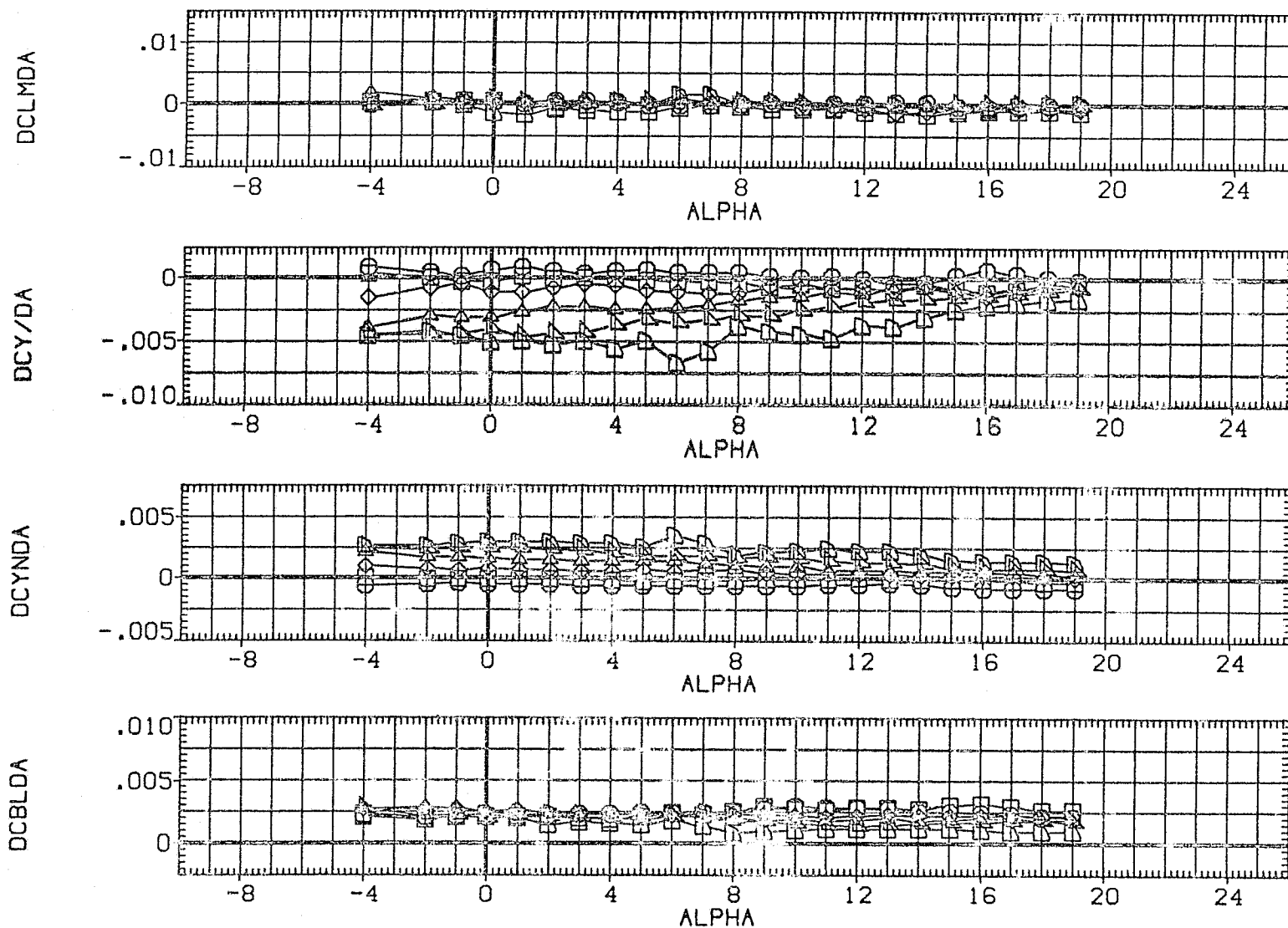


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0150	

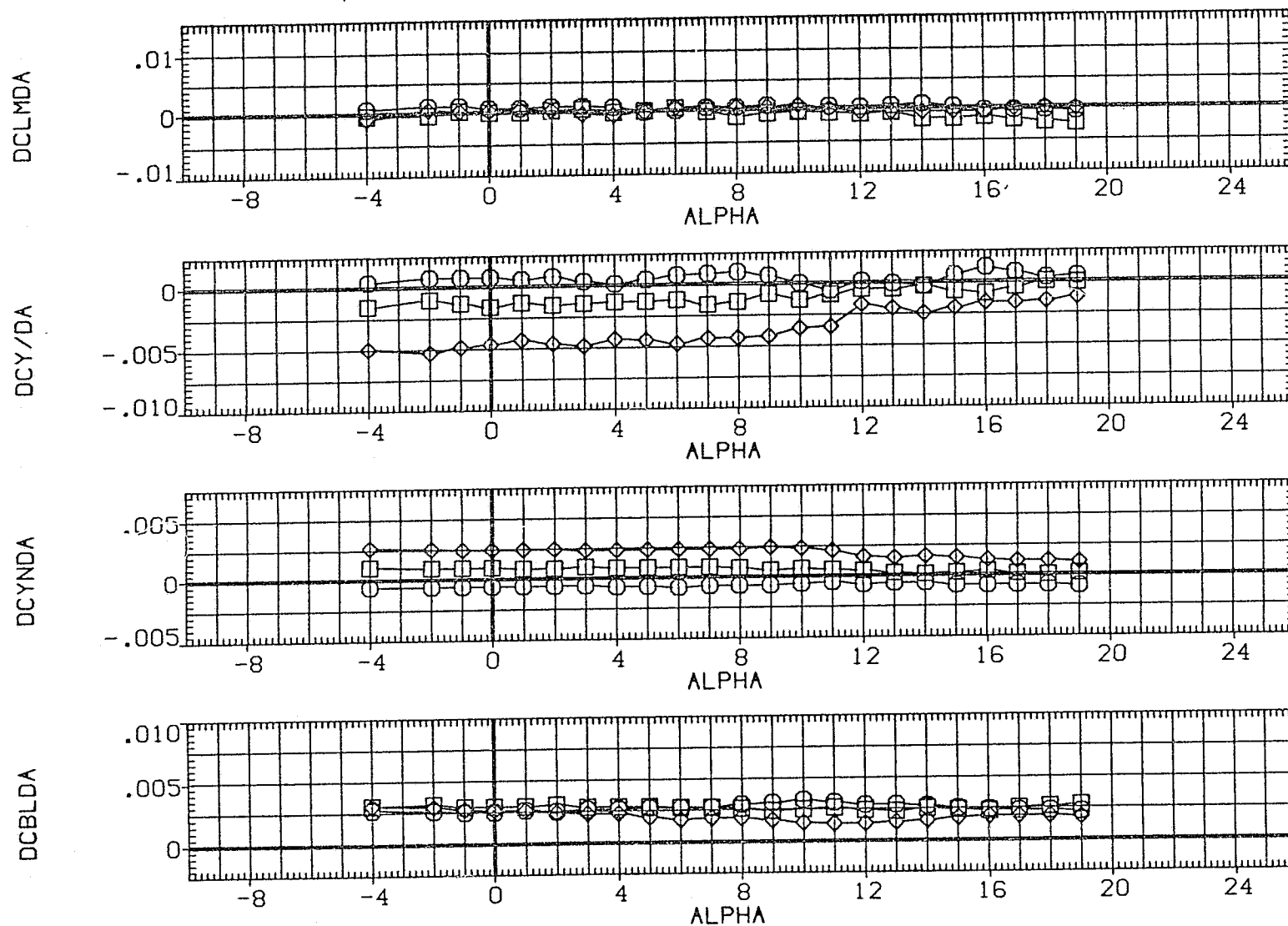


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

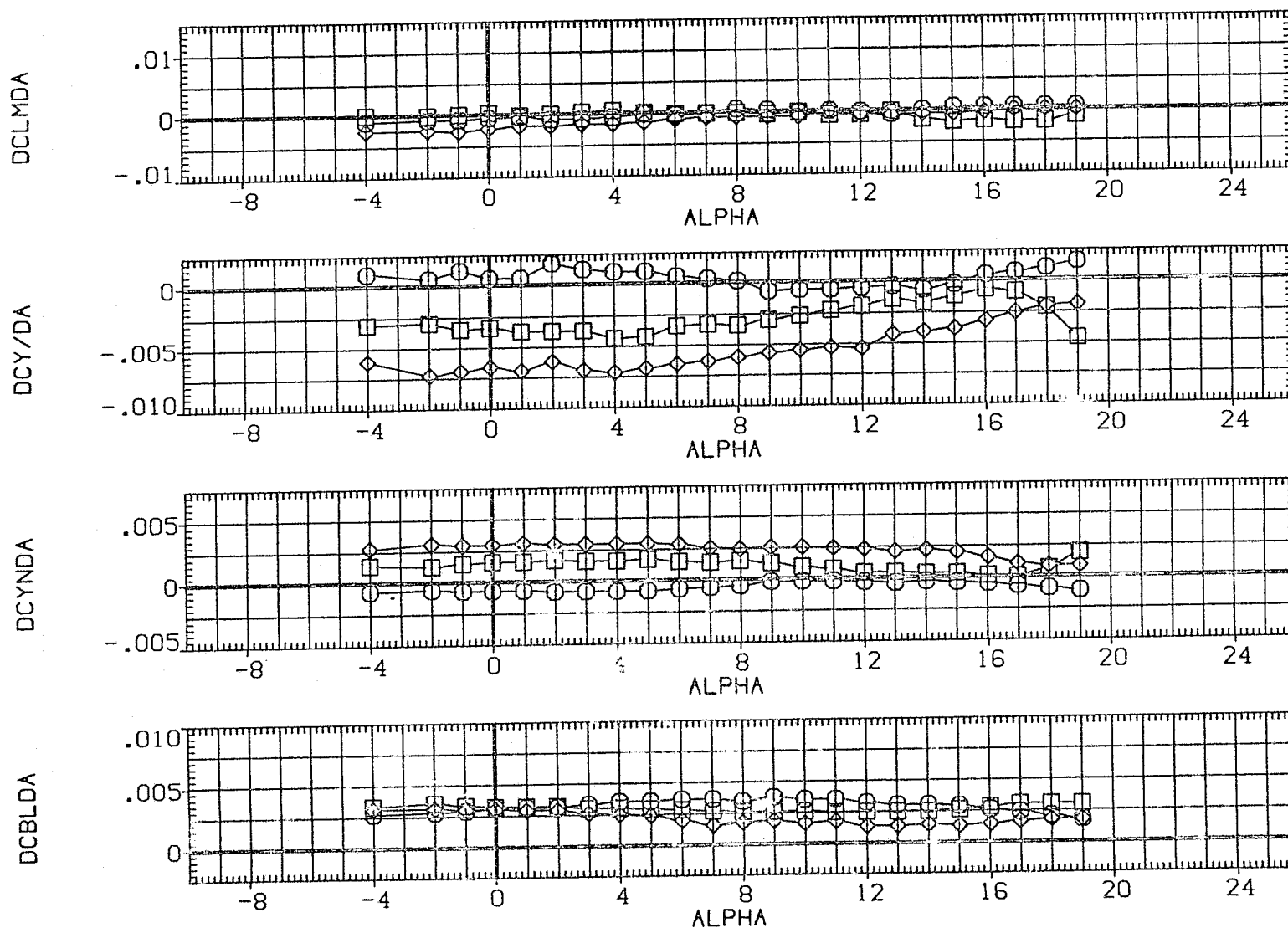


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

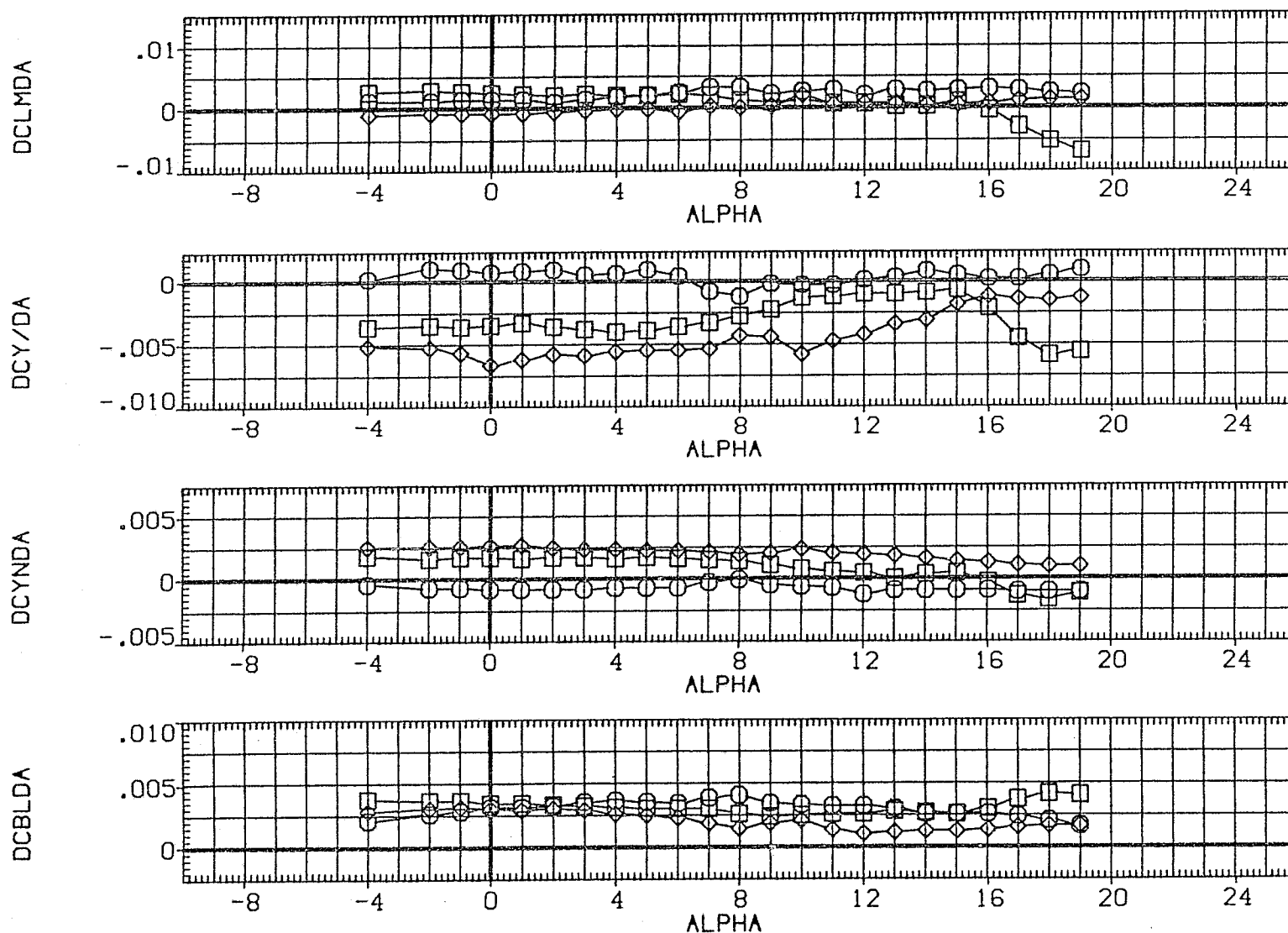


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(NJ3042) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (NJ3040) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (NJ3038) ◇ LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN ELEVON

2.000 10.000
 2.000 .000
 2.000 -10.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

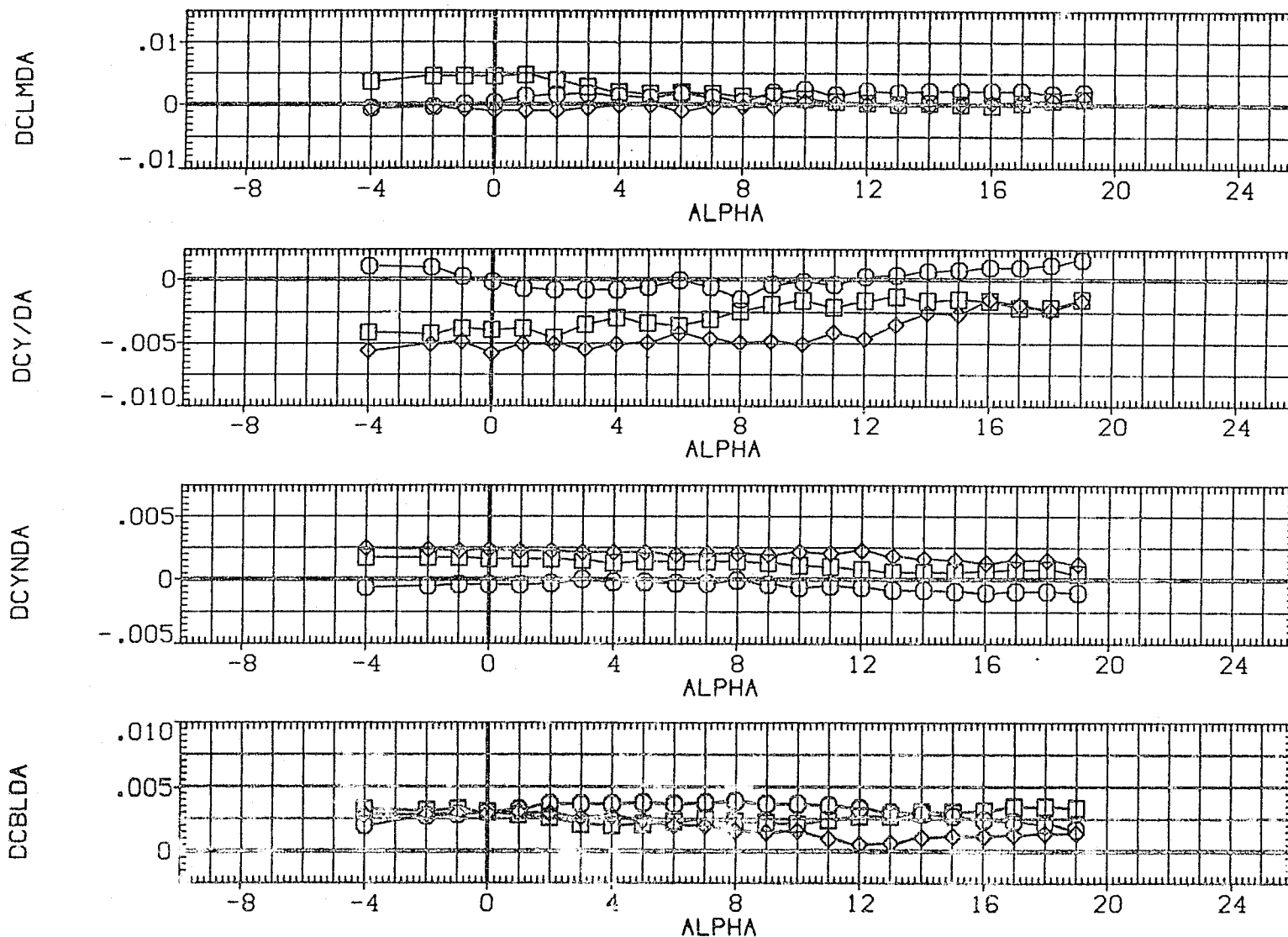


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION

(A)MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3041)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3039)	DATA NOT AVAILABLE
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	DATA NOT AVAILABLE

DAILRN	ELEVON
2.000	10.000
2.000	5.000
2.000	.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. Y0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

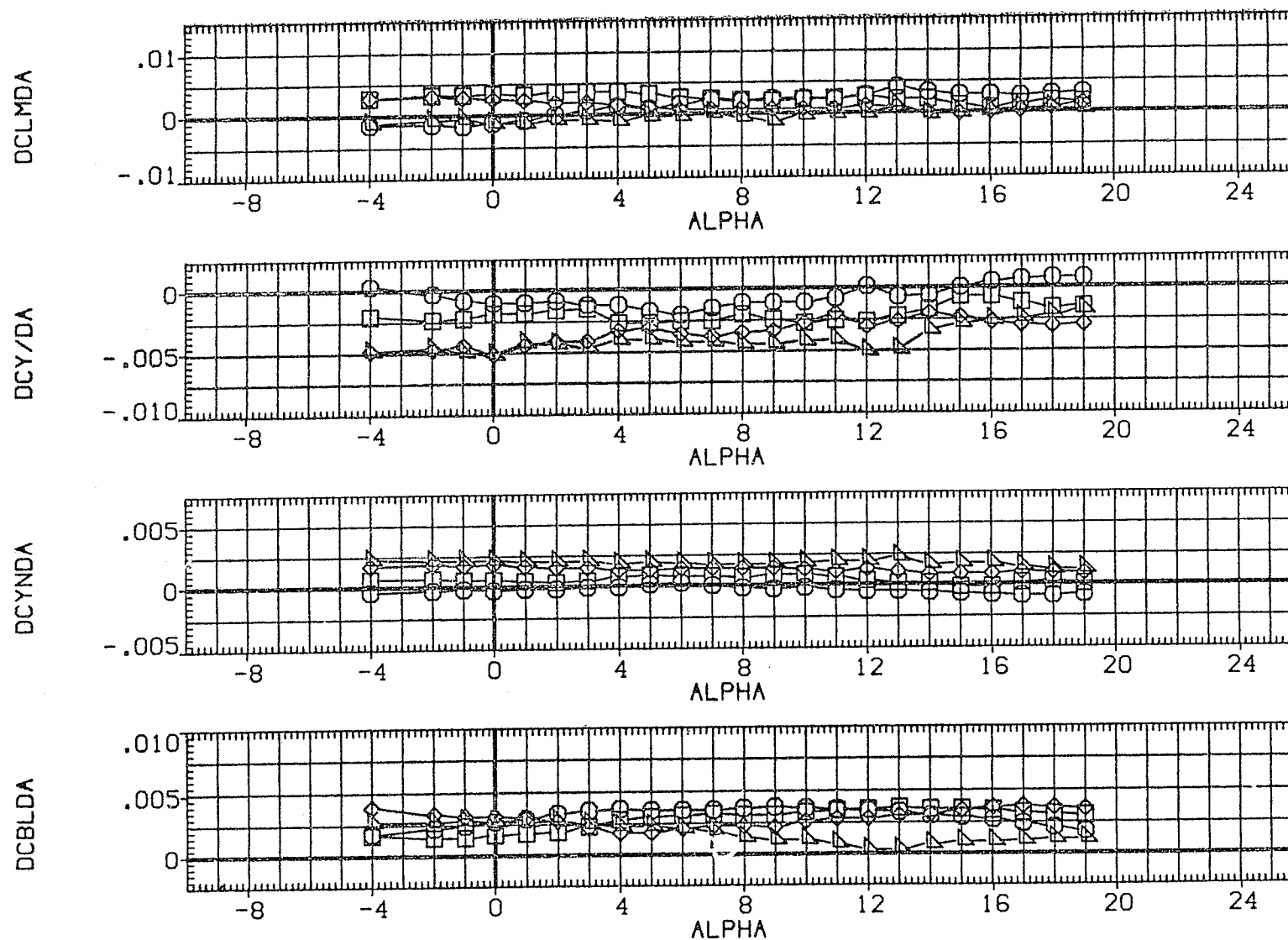


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A) MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER

DATLRN	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

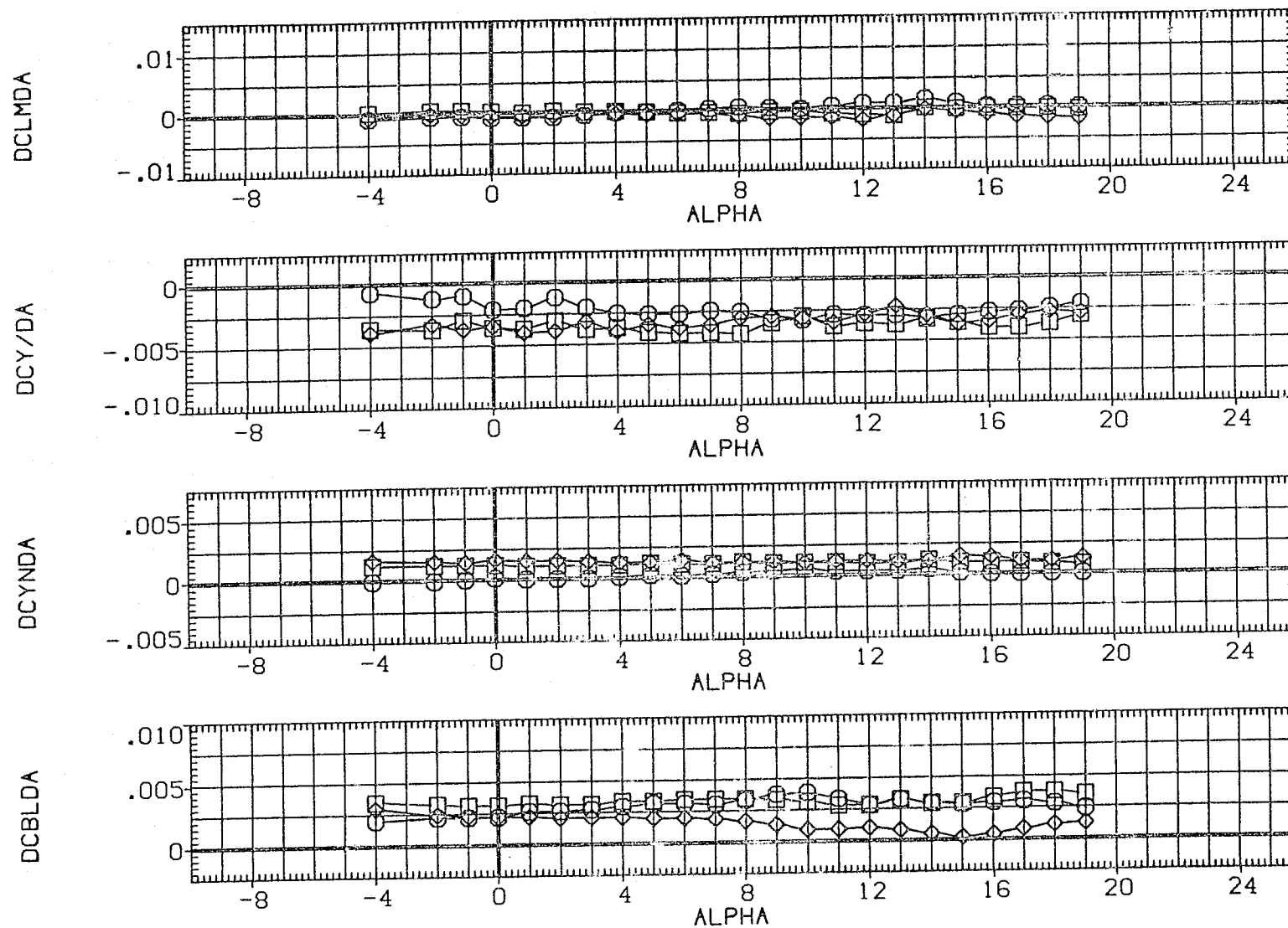


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DAILRN	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

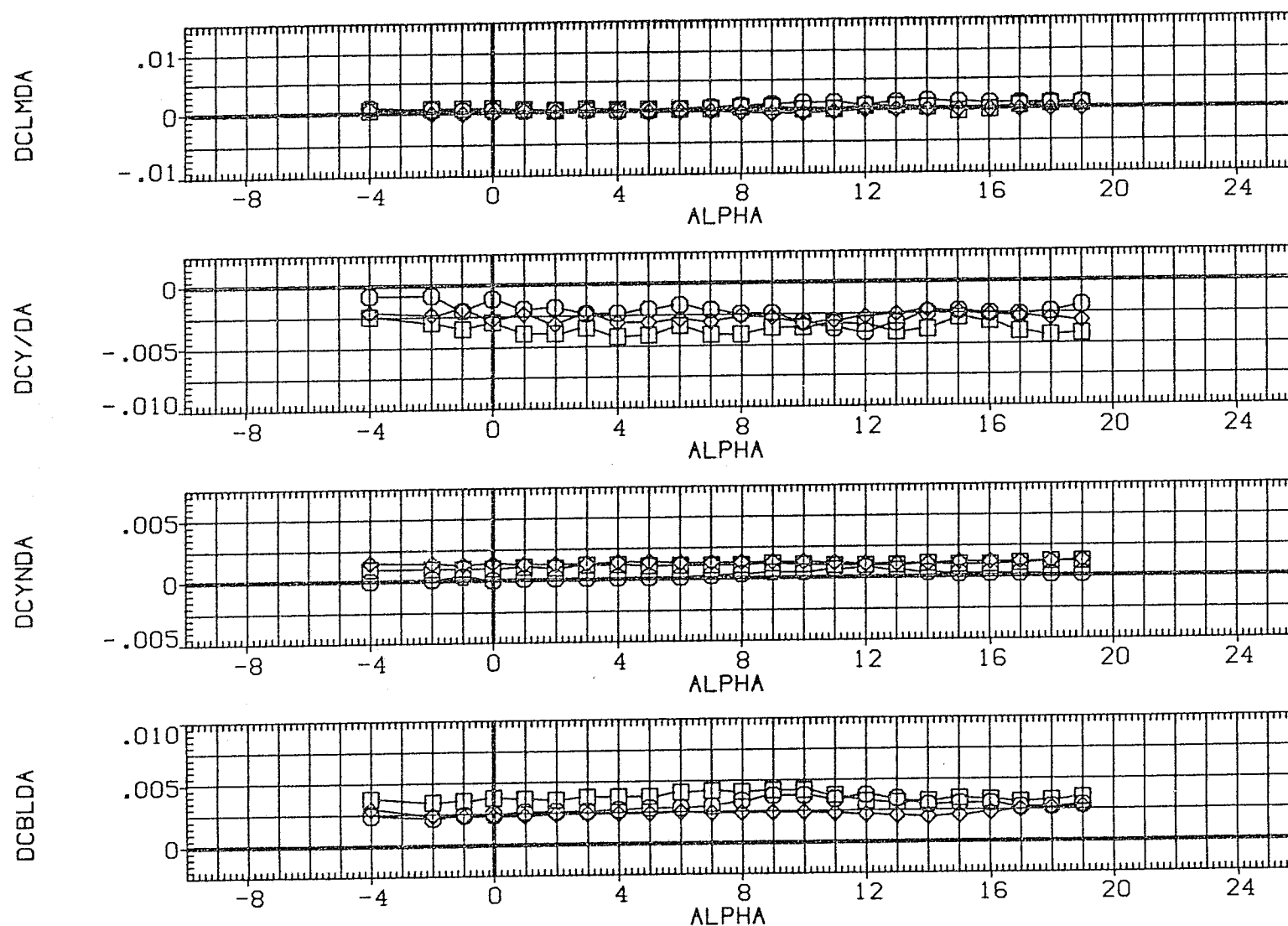


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DAIRN	ELEVON	REFERENCE INFORMATION
(NJ3042)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	10.000	SREF 2690.0000 SQ.FT.
(NJ3041)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	5.000	LREF 474.8000 INCHES
(NJ3040)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	.000	BREF 936.6800 INCHES
(NJ3039)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	-5.000	XMRP 1076.7000 IN. X0
(NJ3038)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	-10.000	YMRP .0000 IN. Y0
(NJ3036)	DATA NOT AVAILABLE	2.000	-20.000	ZMRP 375.0000 IN. Z0
				SCALE .0150

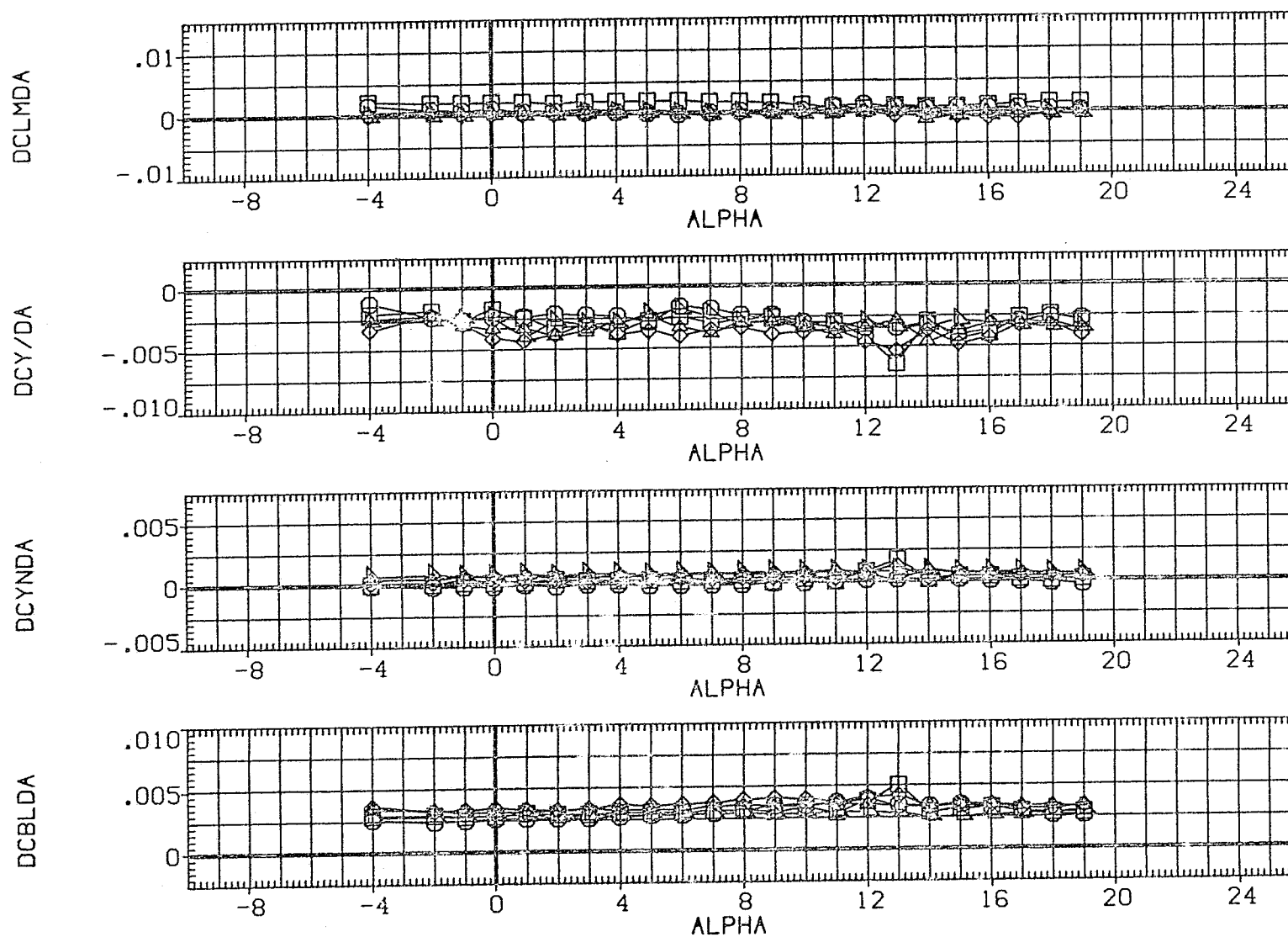


FIGURE 11. AILERON DERIVATIVES (BETA = 2.0) AS A FUNCTION OF ELEVON DEFLECTION
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3033)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3029)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3026)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	5.000
2.000	.000
2.000	-5.000
2.000	-10.000
2.000	-20.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

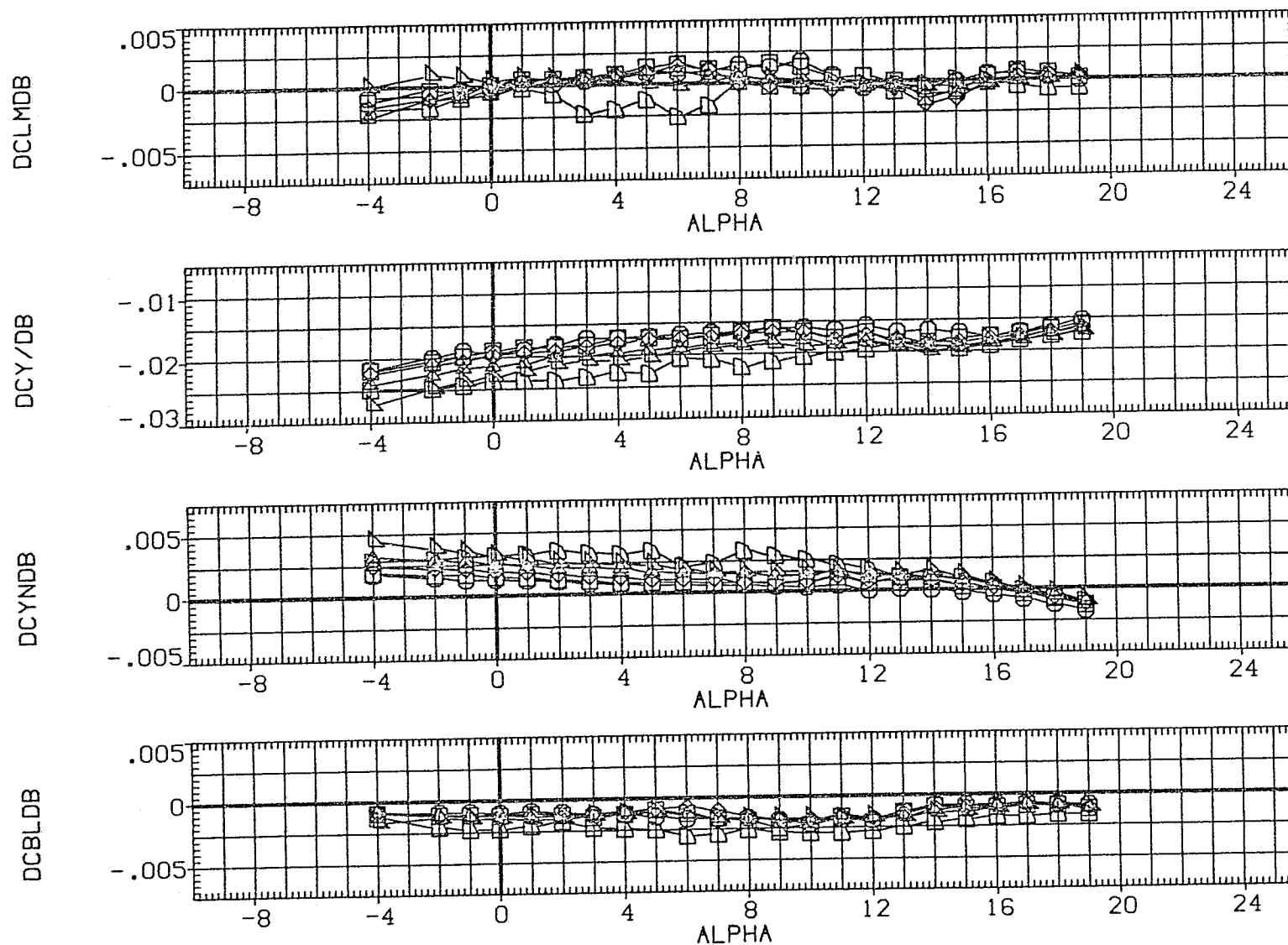


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

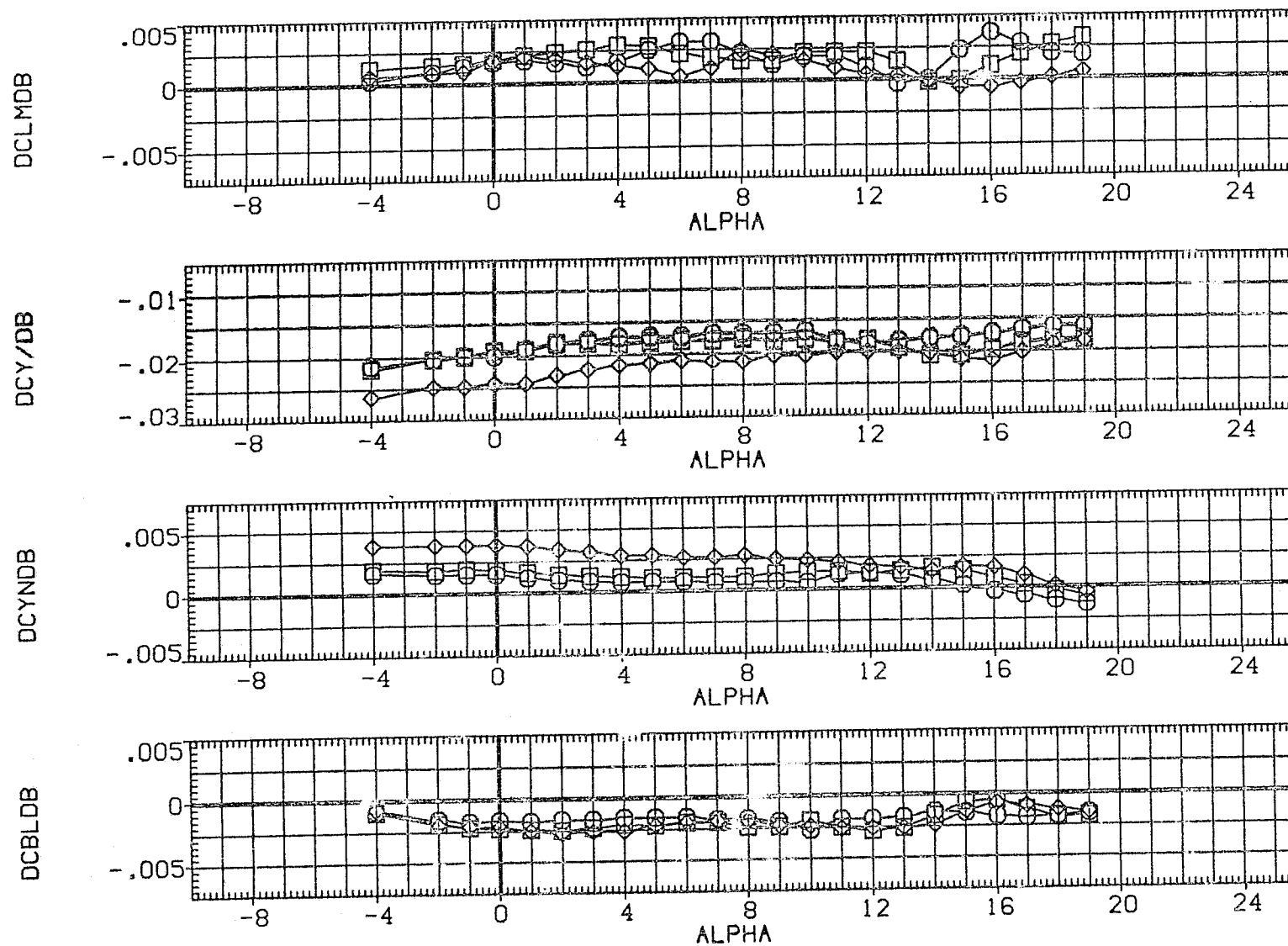


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)

(A) MACH = 1.12

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(NJ3028)	LARC 8FT TPT 717(LA-82) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	90.FT.
LREF	474.8000	INCHES
BREF	938.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

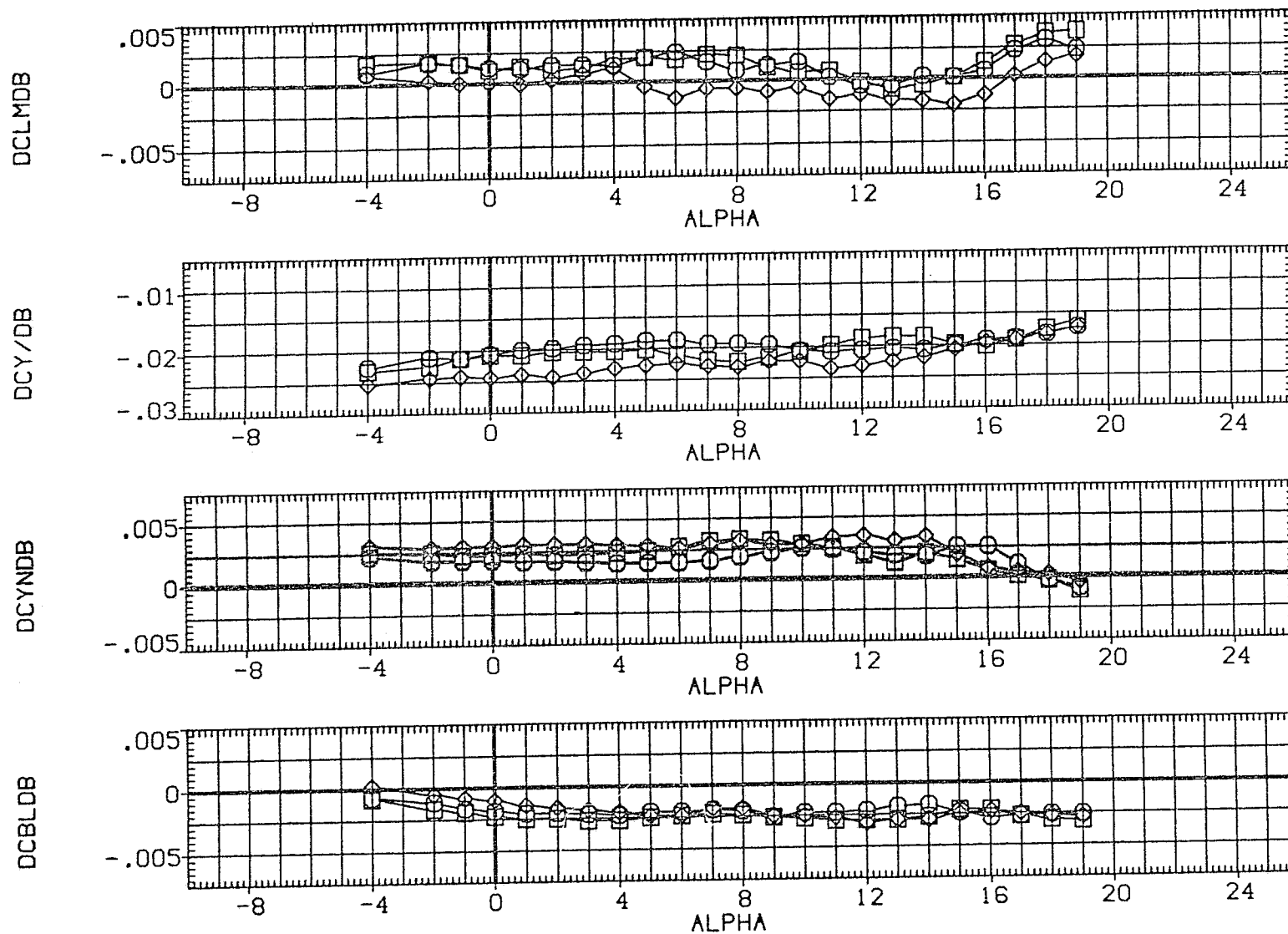


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)

(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

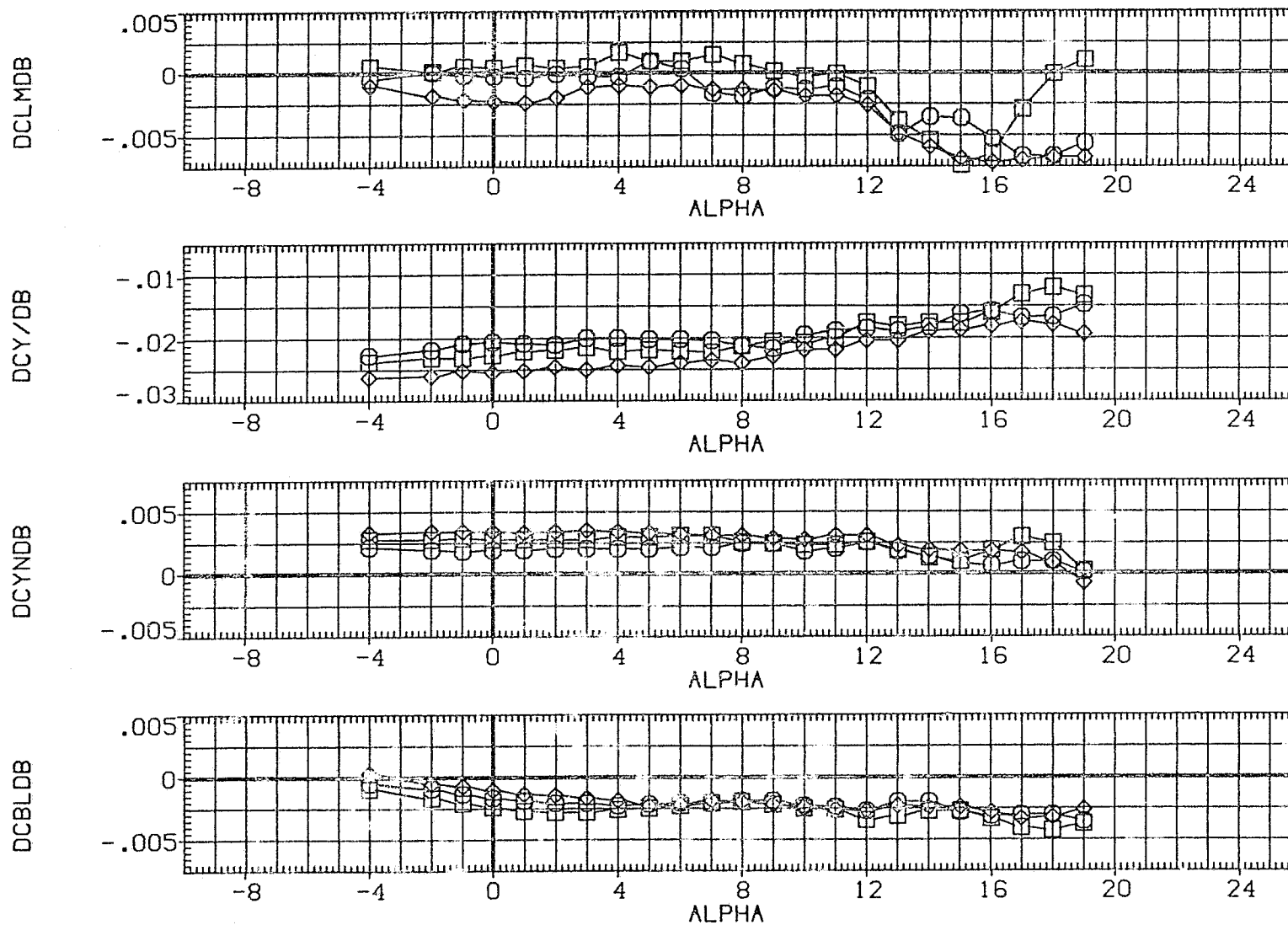


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)

(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3934)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3931)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3928)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

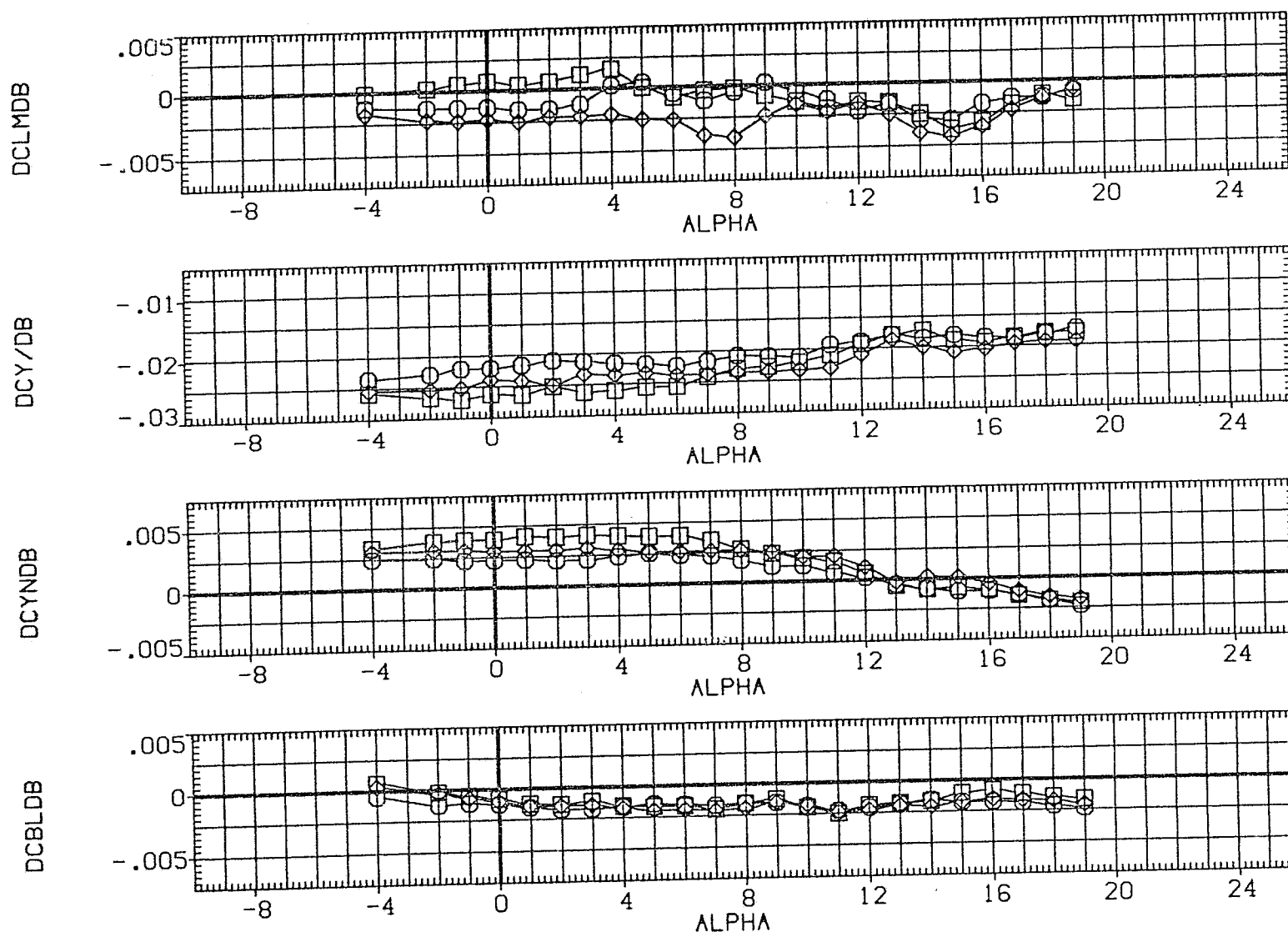


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)
 (A) MACH = .92

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3033)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3029)	DATA NOT AVAILABLE
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3027)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	5.000
2.000	.000
2.000	-5.000
2.000	-10.000
2.000	-15.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

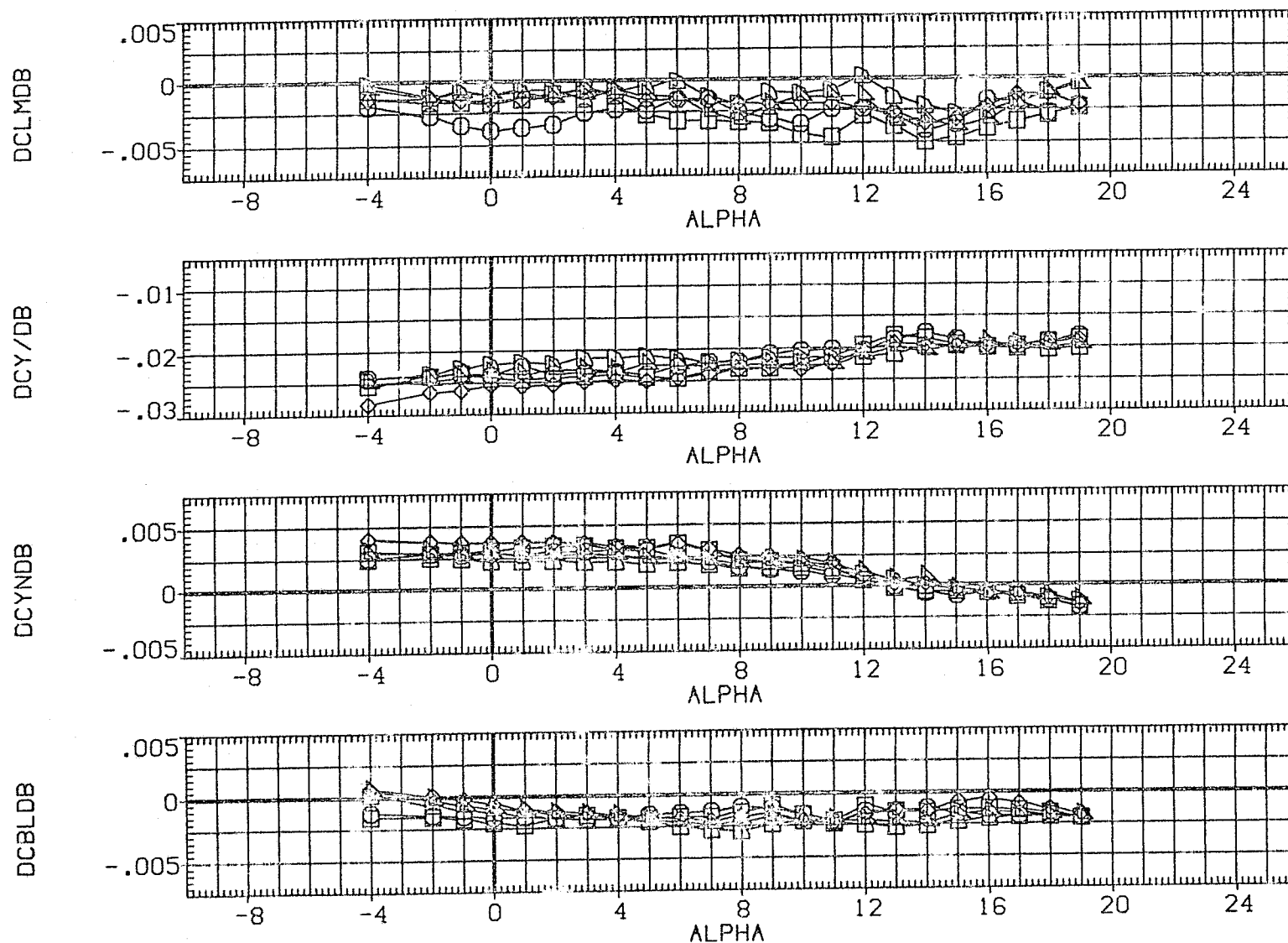


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)
 (A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER

DBETA	ELEVON
2.000	10.000
2.000	.000
2.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

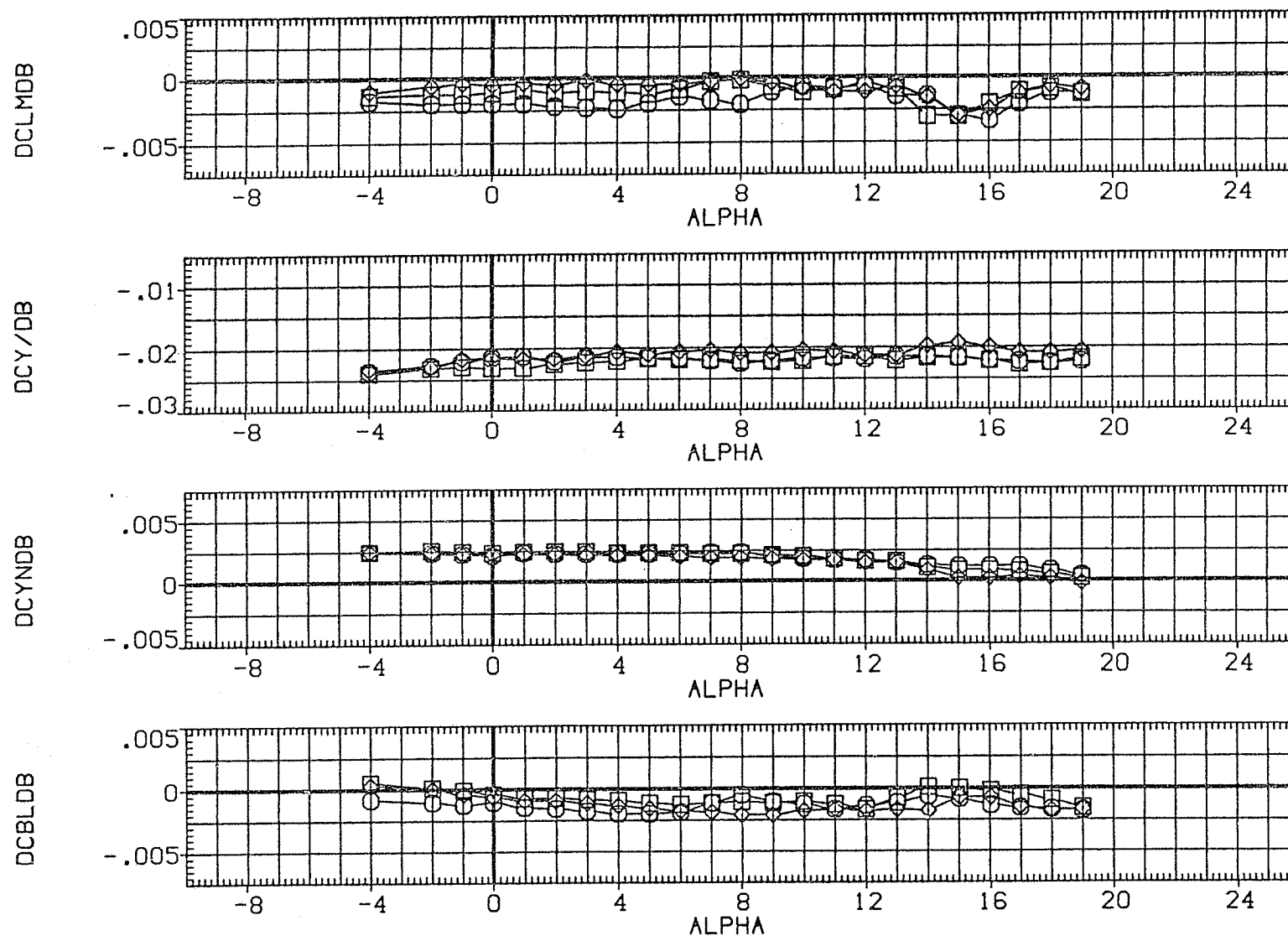


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)

(A) MACH = .80

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(NJ3034)	LARC 8FT TPT 717(LA-02) 1400 CRBITER
(NJ3031)	LARC 8FT TPT 717(LA-02) 1400 CRBITER
(NJ3028)	LARC 8FT TPT 717(LA-02) 1400 CRBITER

DETA	ELEVON
2.000	10.000
2.000	0.000
2.000	-10.000

REFERENCE INFORMATION		
BREF	2680.0000	80. FT.
LREF	474.8000	INCHES
BREF	938.8000	INCHES
XMRP	1078.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

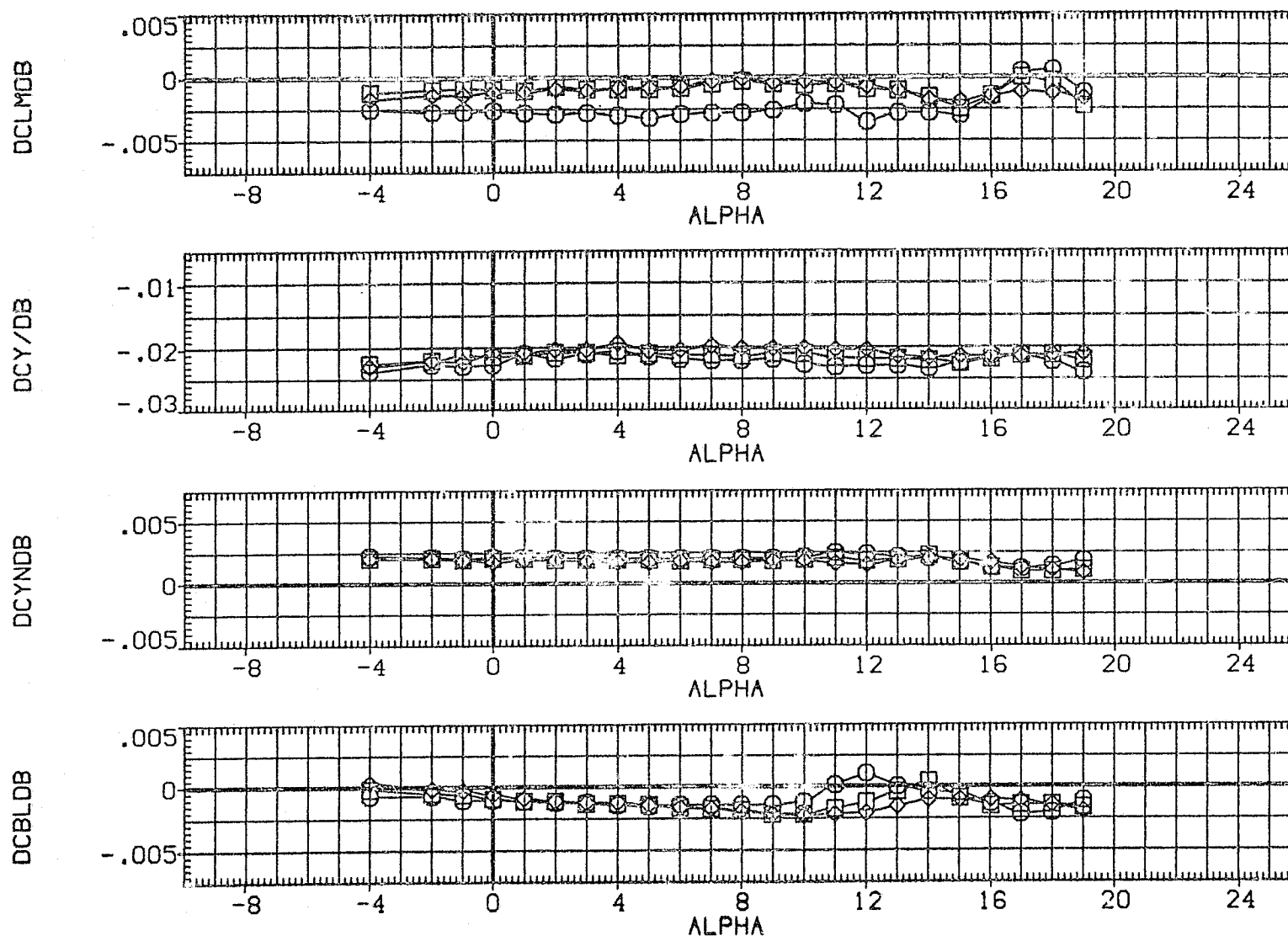


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)

(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DBETA	ELEVON	REFERENCE INFORMATION	
(NJ3034)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	10.000	SREF	2690.0000 SQ.FT.
(NJ3033)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	5.000	LREF	474.8000 INCHES
(NJ3032)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	2.500	BREF	936.6800 INCHES
(NJ3031)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	.000	XMRP	1076.7000 IN. X0
(NJ3030)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	-2.500	YMRP	.0000 IN. Y0
(NJ3028)	LARC 8FT TPT 717(LA-62) 140C ORBITER	2.000	-10.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

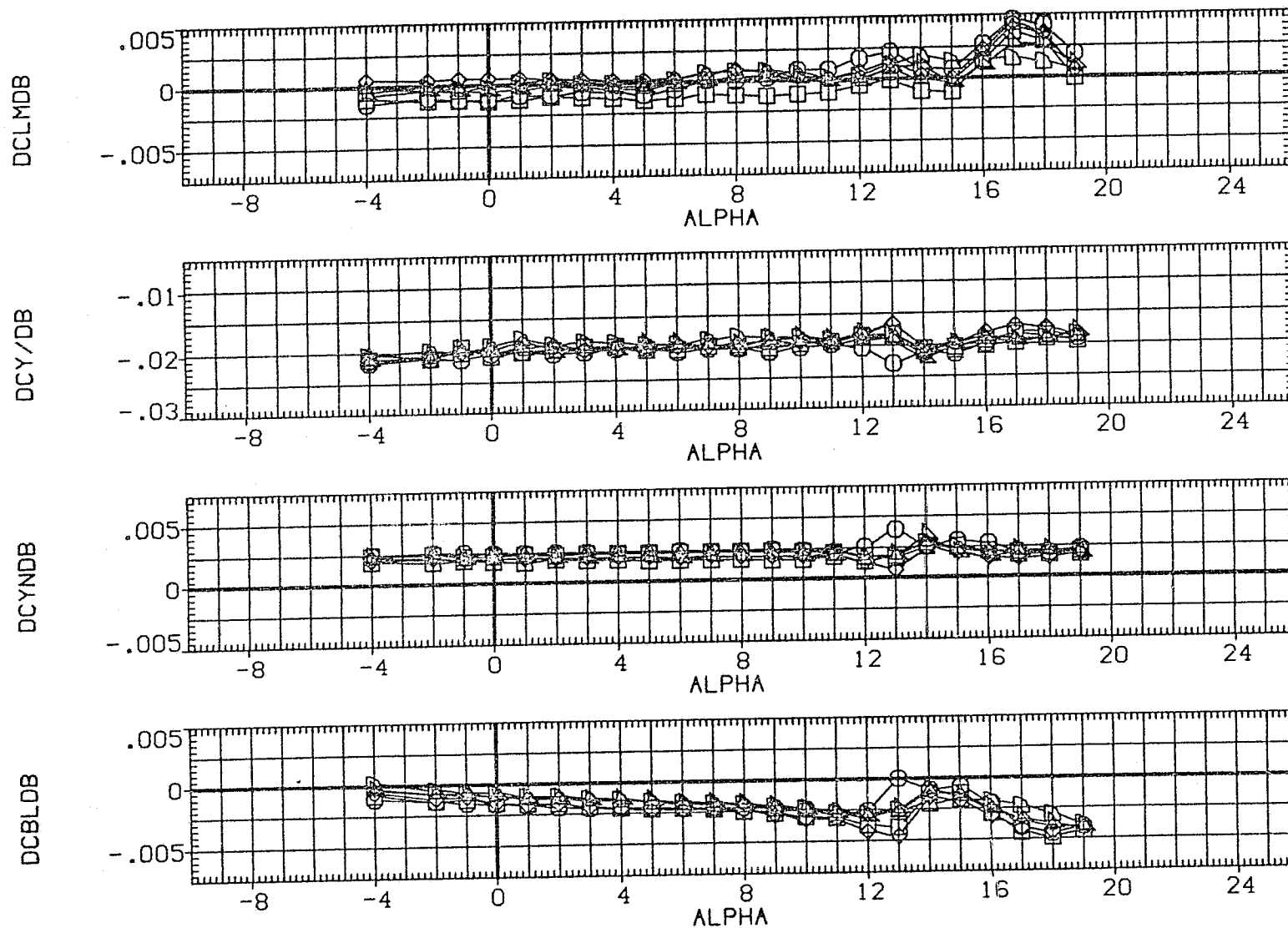


FIGURE 12. LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS (ELEVON = VARIABLE)
(A)MACH = .60

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.201	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		ATLRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

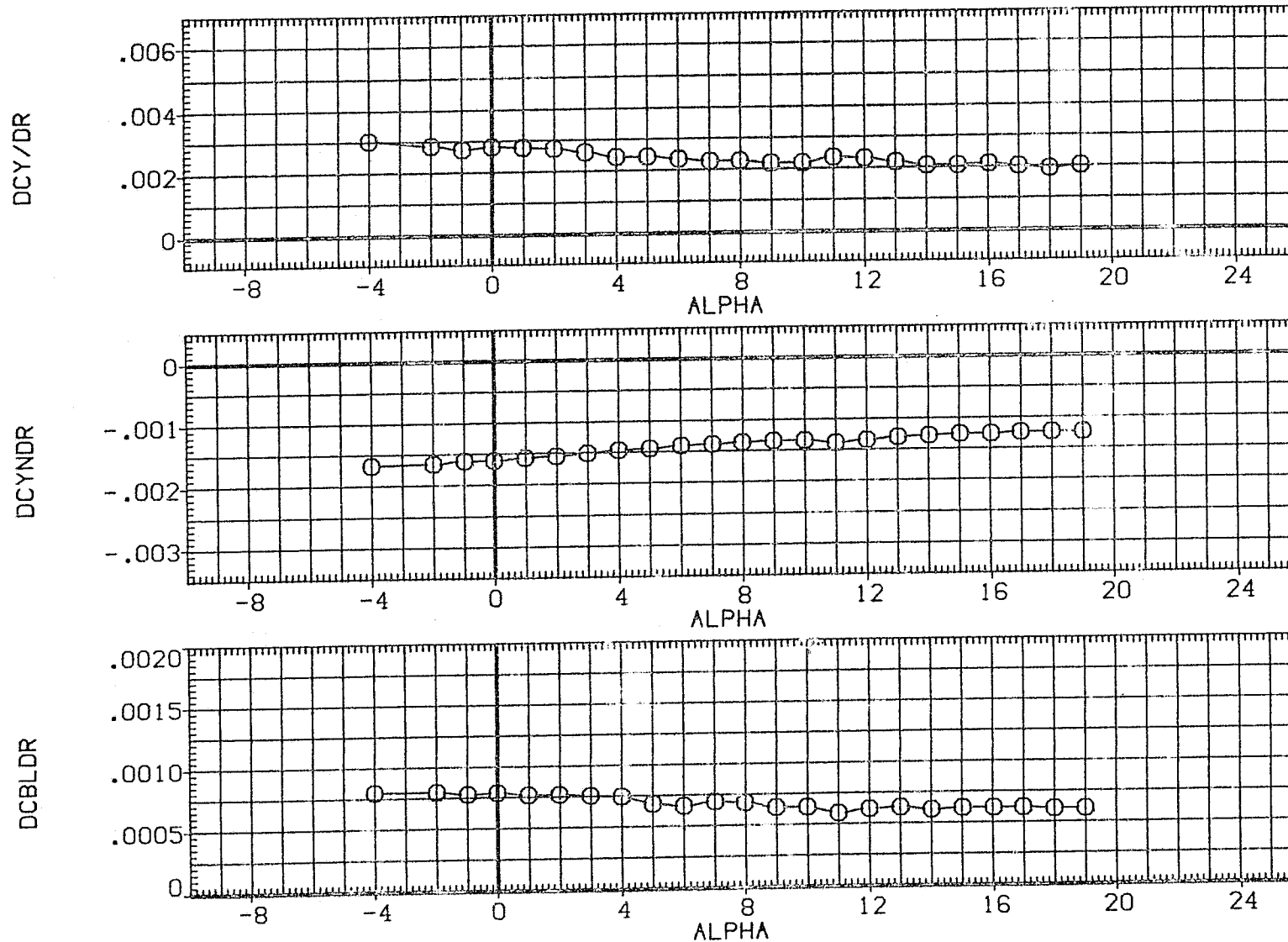


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
O	1.120	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

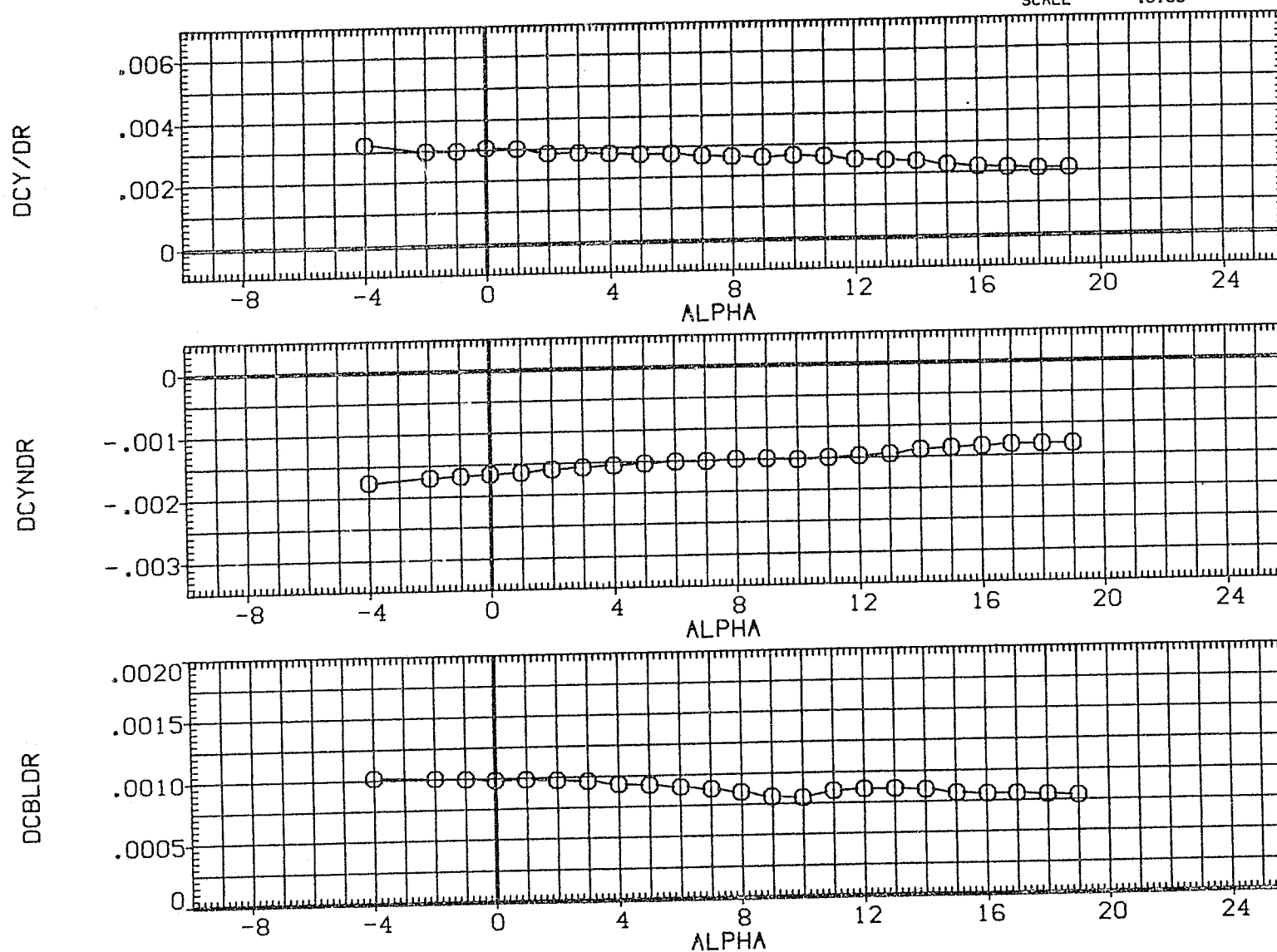


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.980	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AILERON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

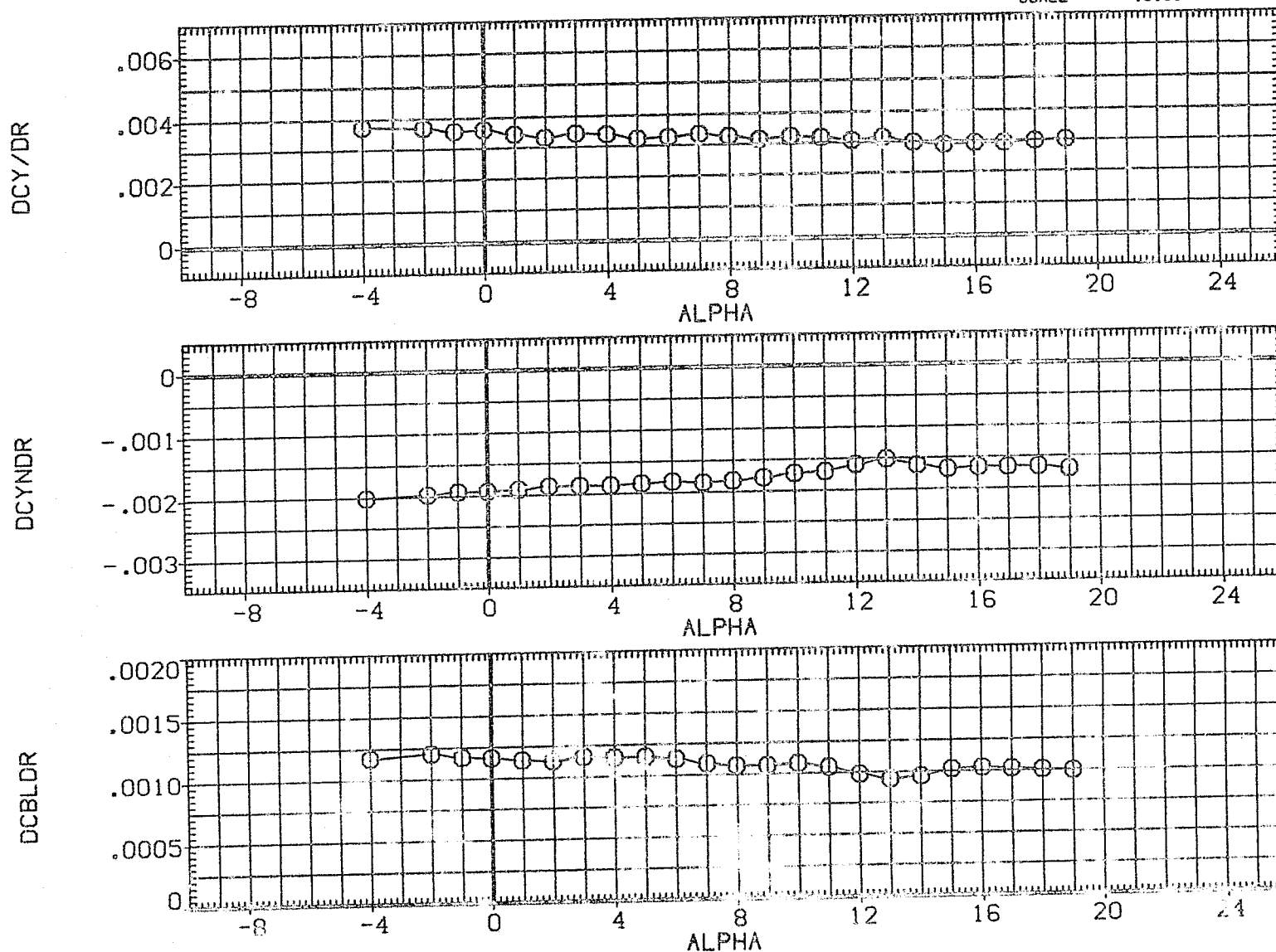


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.850	BETA	.000	SPDBRK	25.000
		BDPLAP	.000	ELEVON	.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2880.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.8800	INCHES
XMRP	1078.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

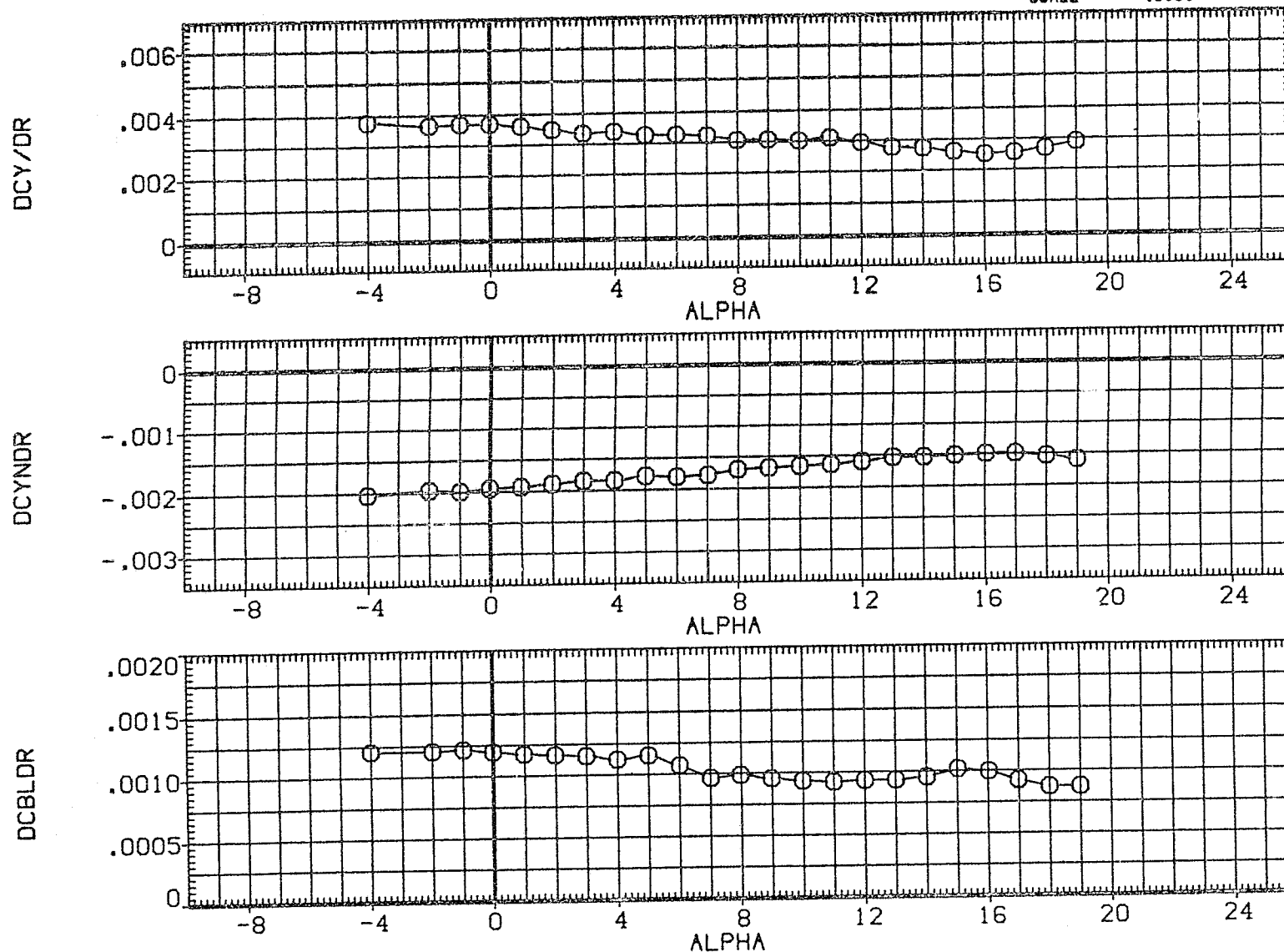


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
O	.920	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AIRLON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

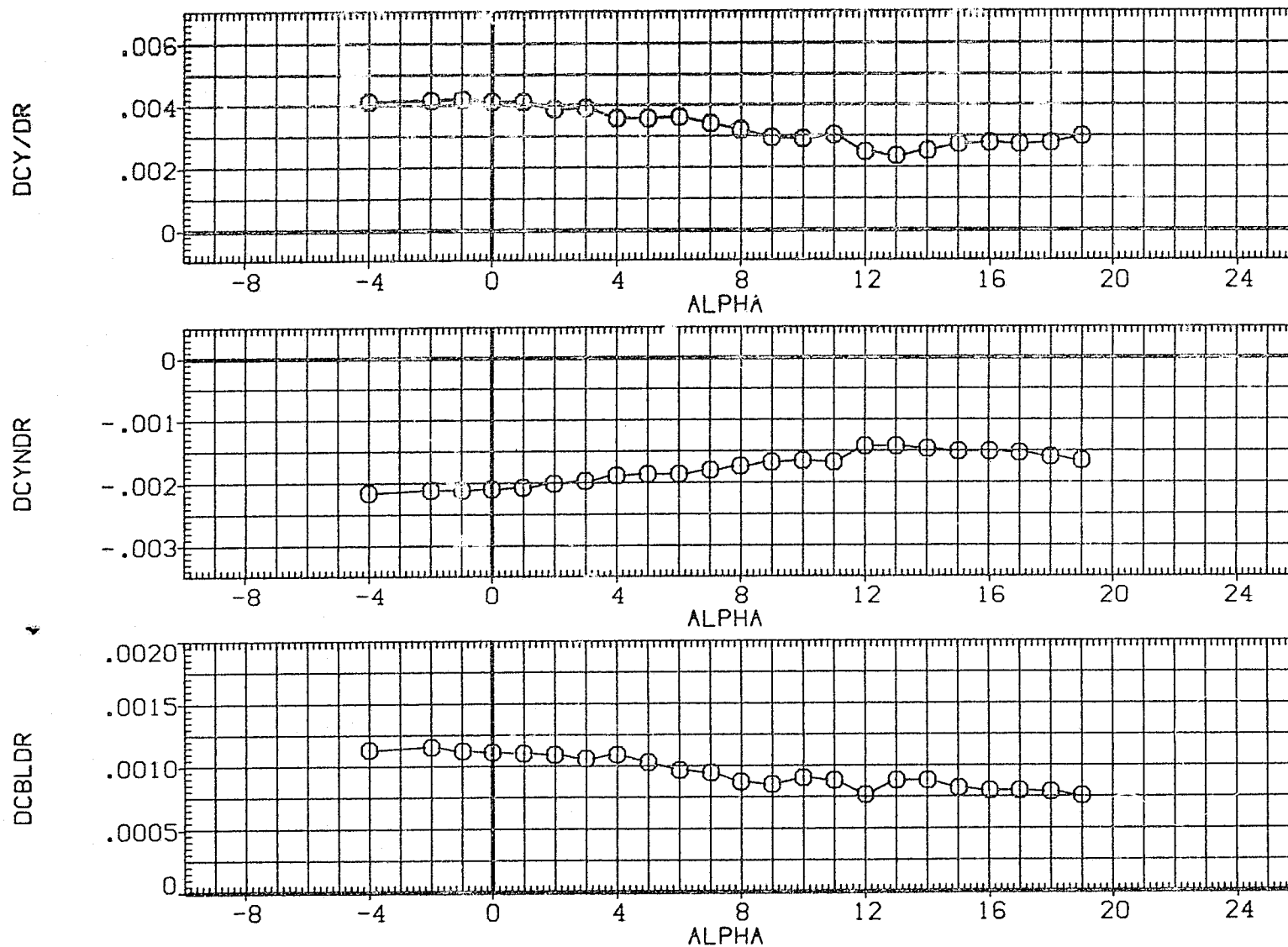


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
○	.900	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

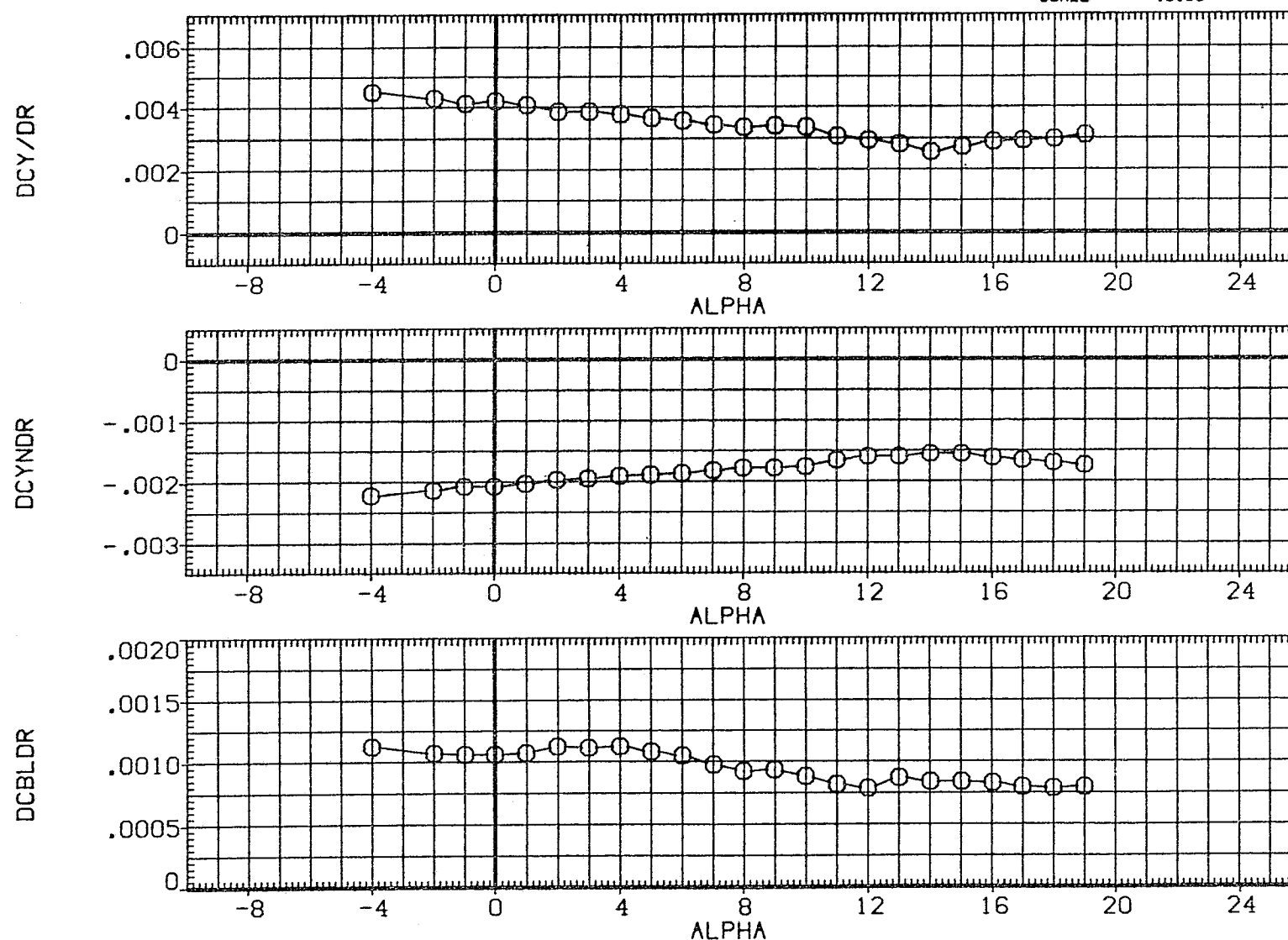


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.800	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

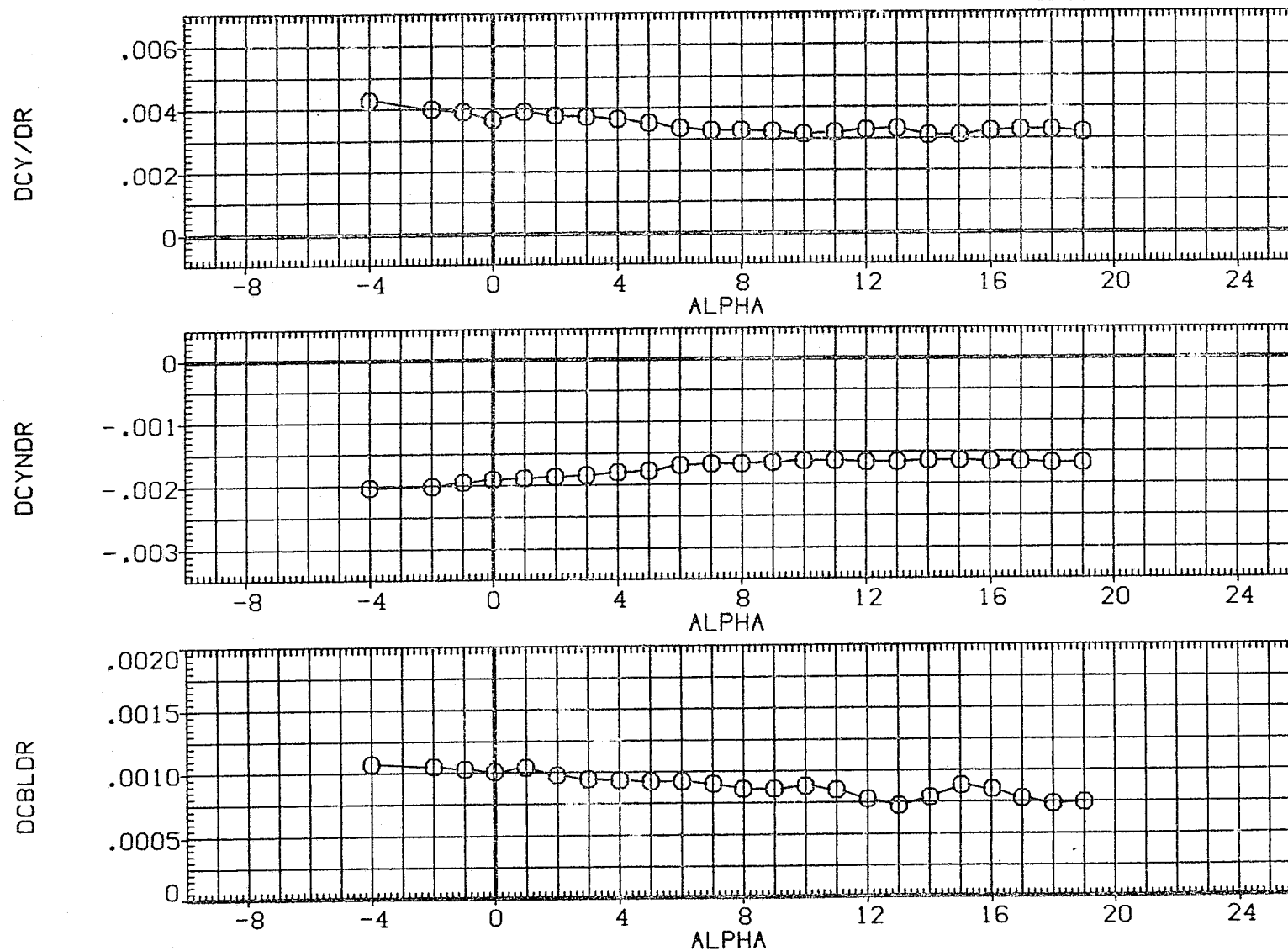


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
○	.700	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

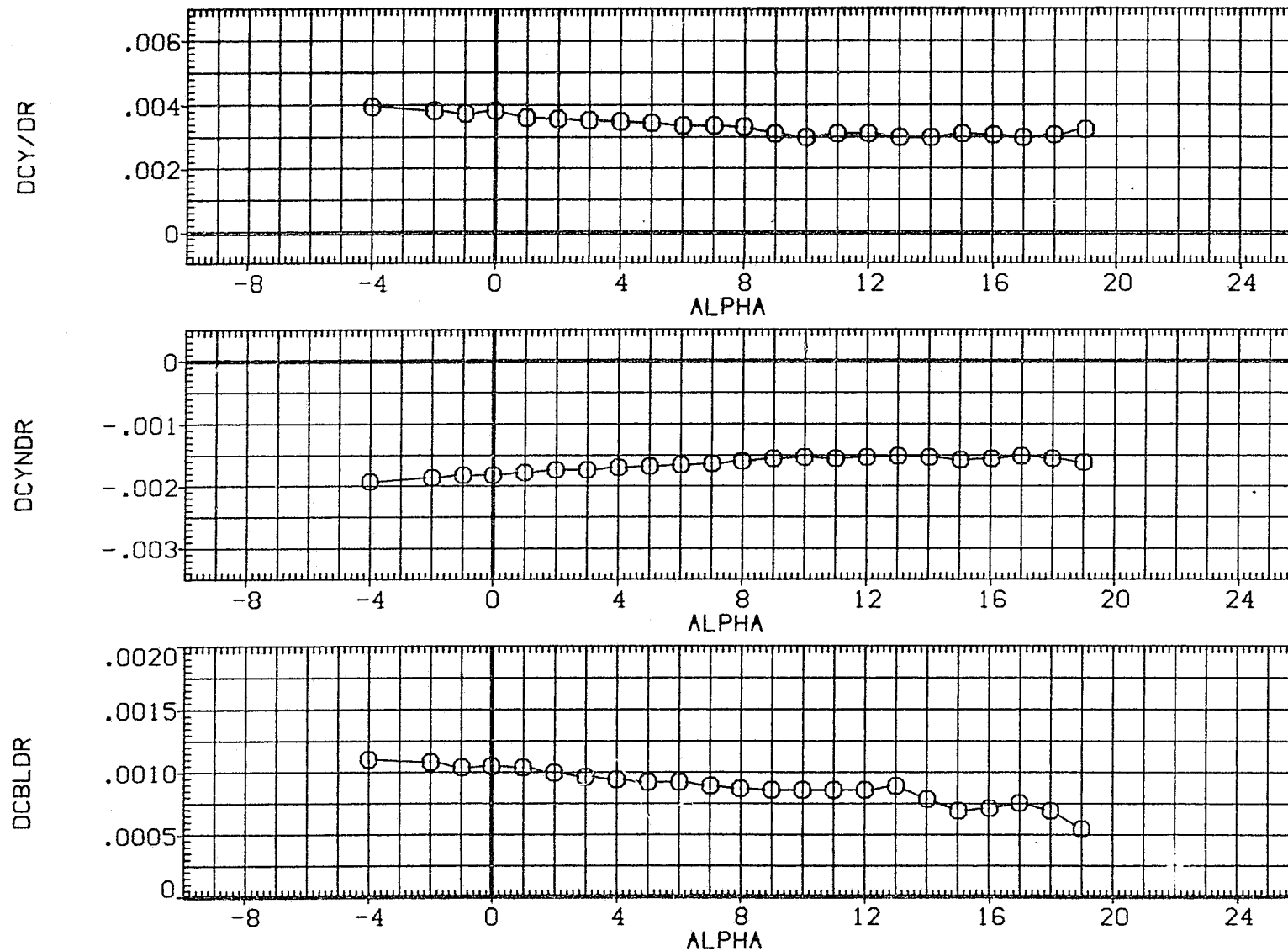


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3053)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.601	BETA	.000	SPD _{CRK}	25.000
		BDFLAP	.000	ELEVON	.000
		AIRLON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

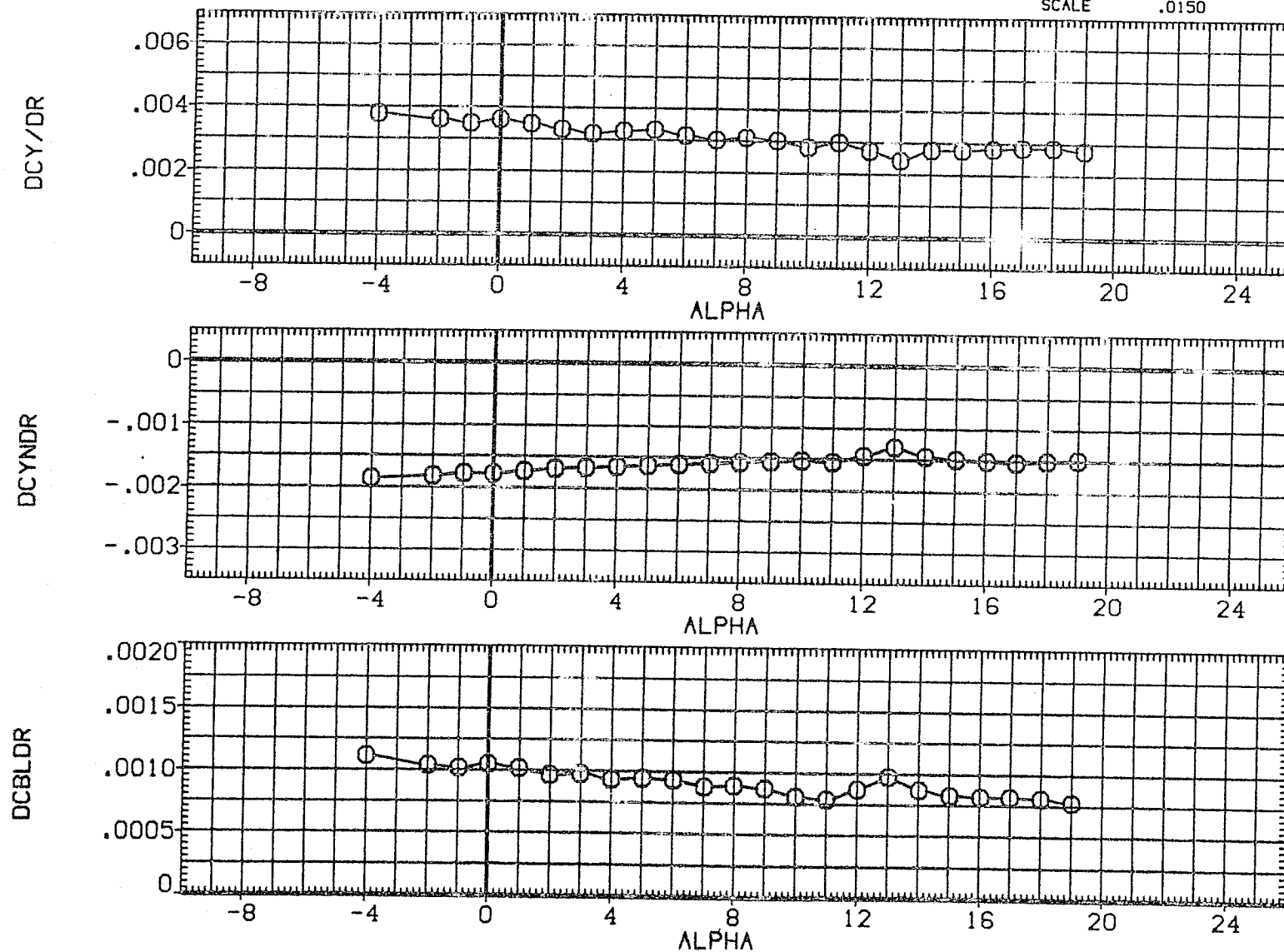


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
○	1.200	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	-10.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

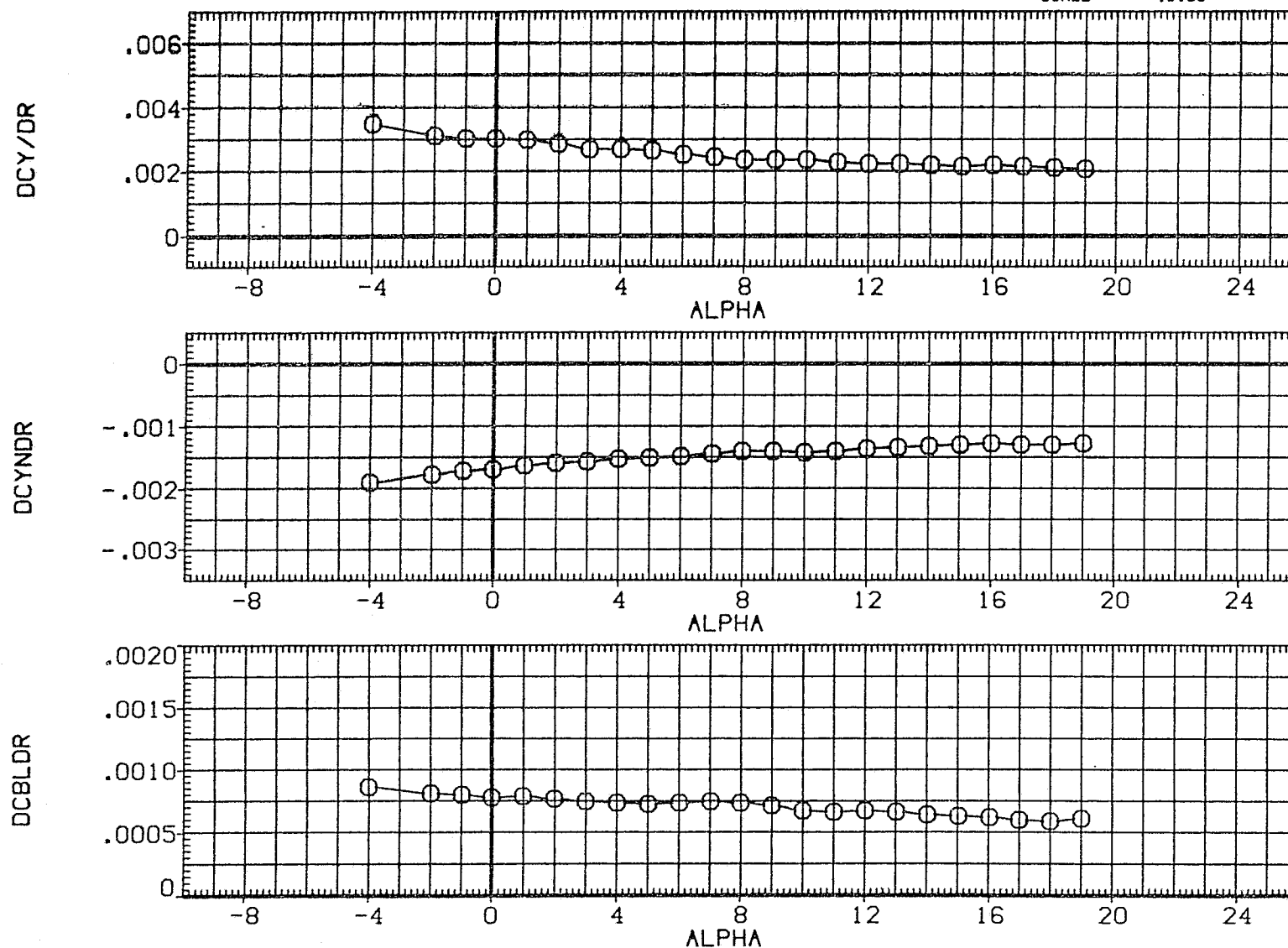


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3052)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.981	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	-10.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

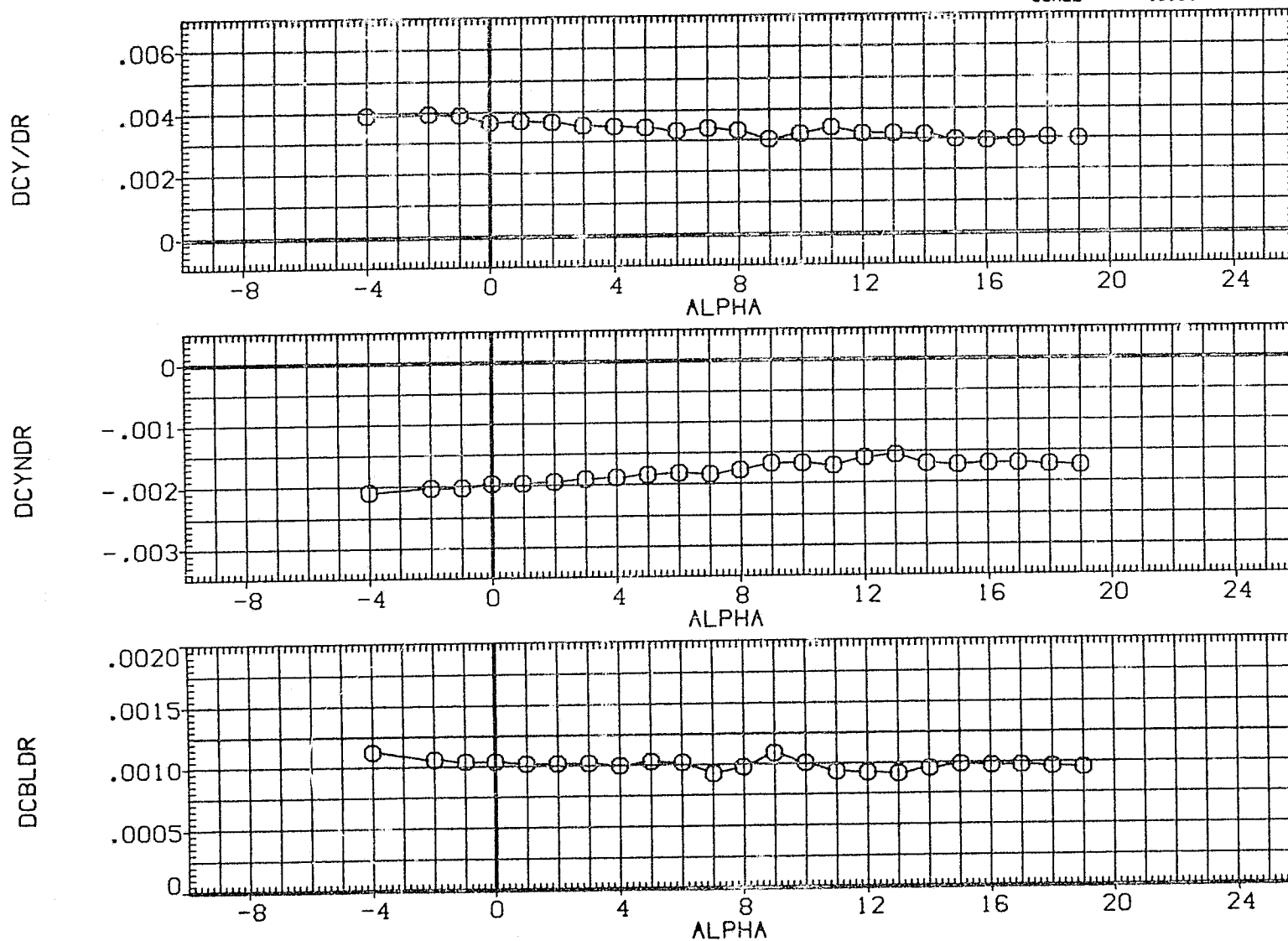


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
○	.899	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	-10.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

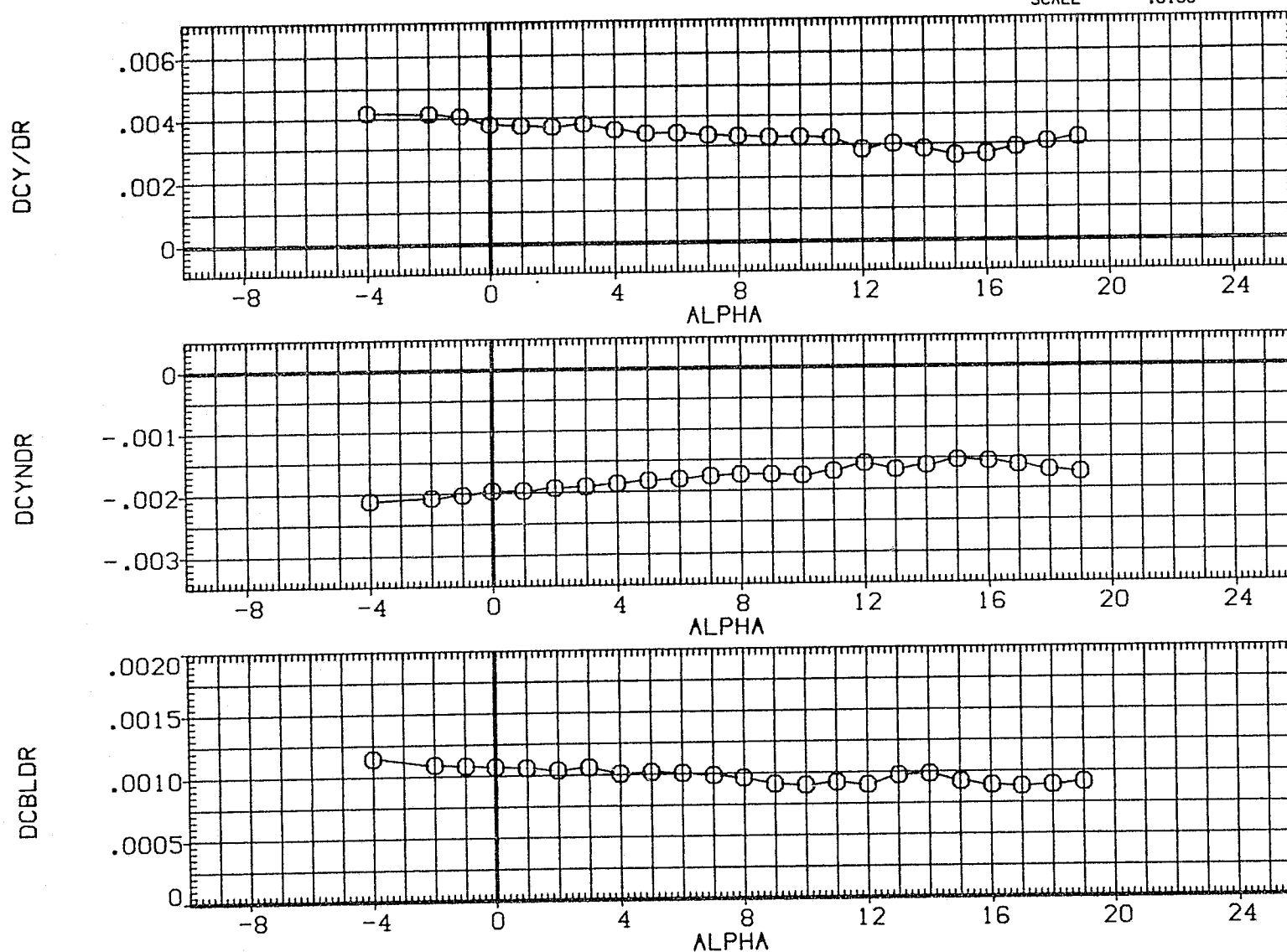


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3052)

SYMBOL	MACH	PARAMETRIC VALUES			
○	.601	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	-10.000
		AIRLON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

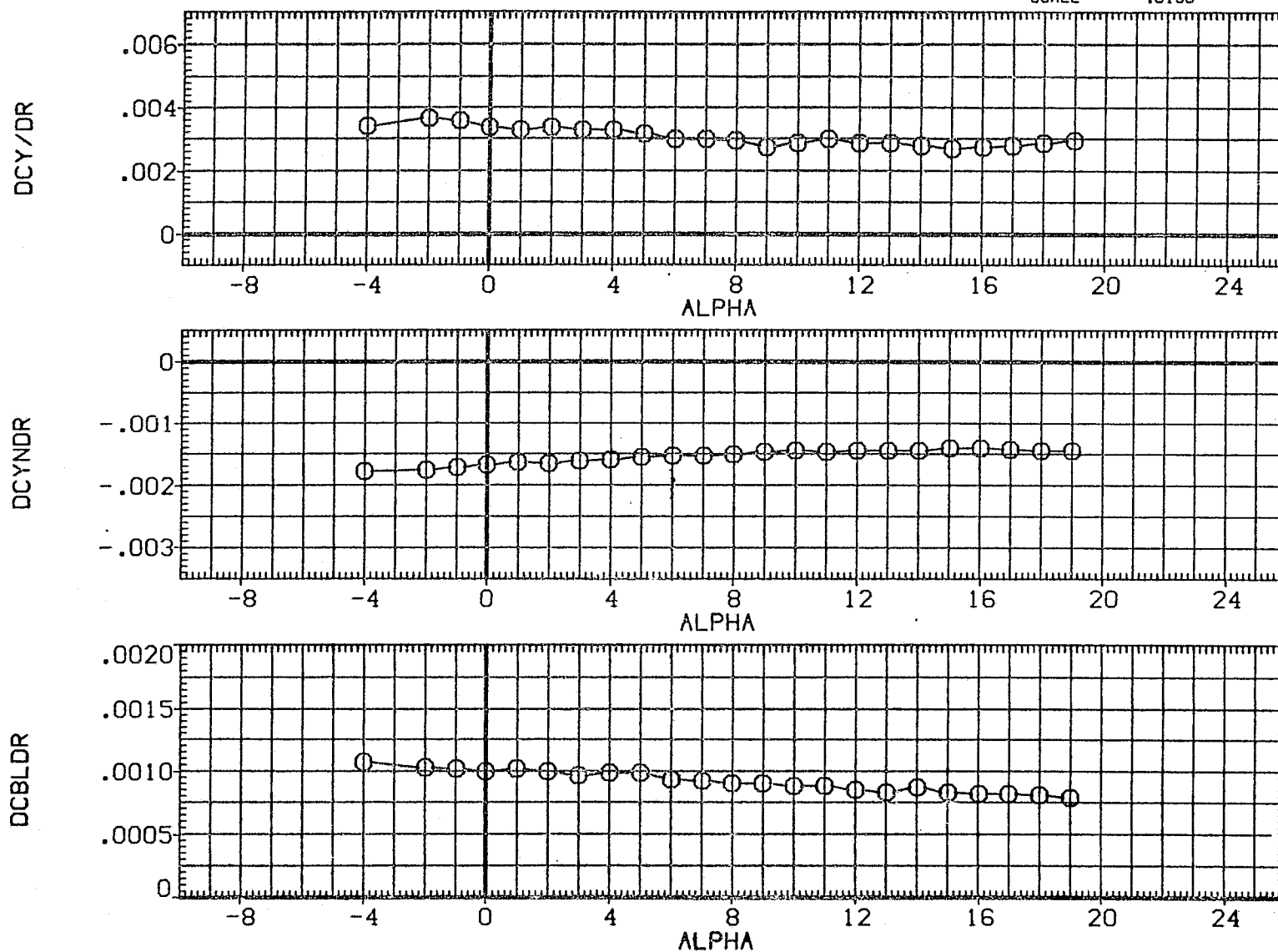


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

SYMBOL	MACH	PARAMETRIC VALUES			
○	.981	BETA	.000	SPDBRK	25.000
		BDFLAP	.000	ELEVON	-15.000
		AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

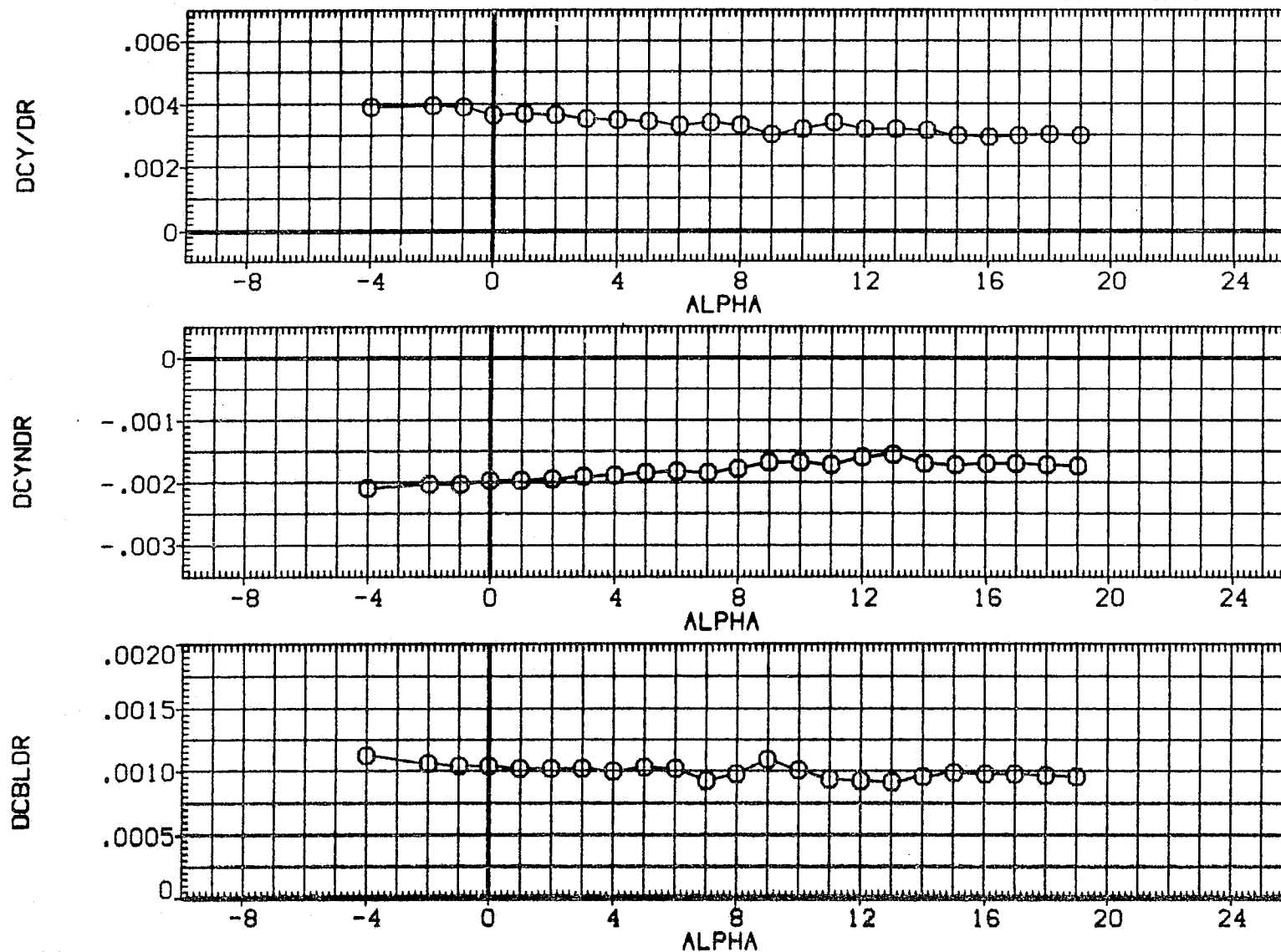


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

LARC 8FT TPT 717(LA-62) 140C ORBITER

(NJ3051)

SYMBOL
OMACH
1.200

PARAMETRIC VALUES			
BETA	.000	SPDBRK	25.000
BDFLAP	.000	ELEVON	-15.000
AILRON	.000	DLTRUD	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

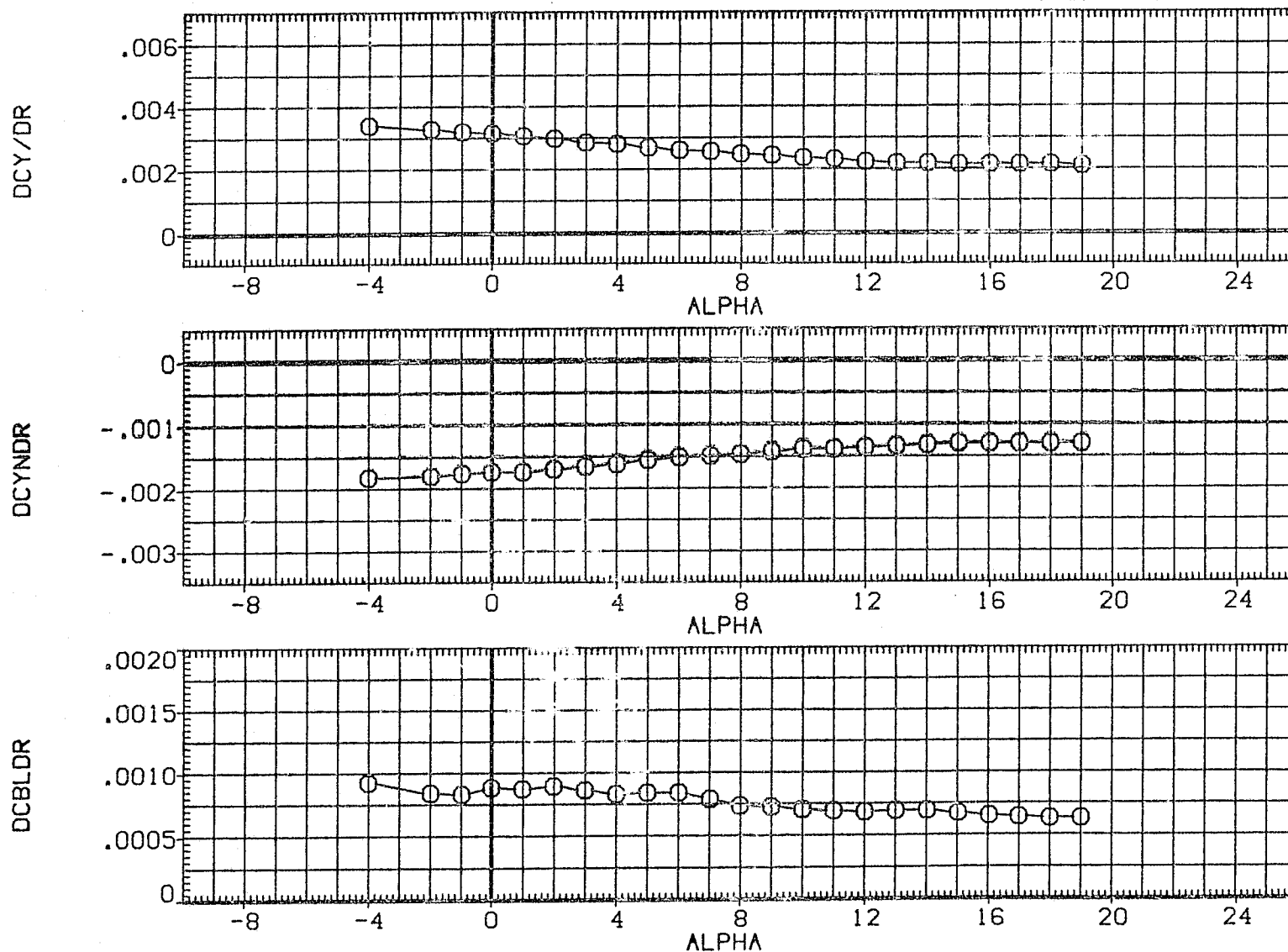


FIGURE 13. RUDDER DERIVATIVES AS A FUNCTION OF ANGLE OF ATTACK

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(XJ3867)	LARC 8FT TPT 717(CLA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

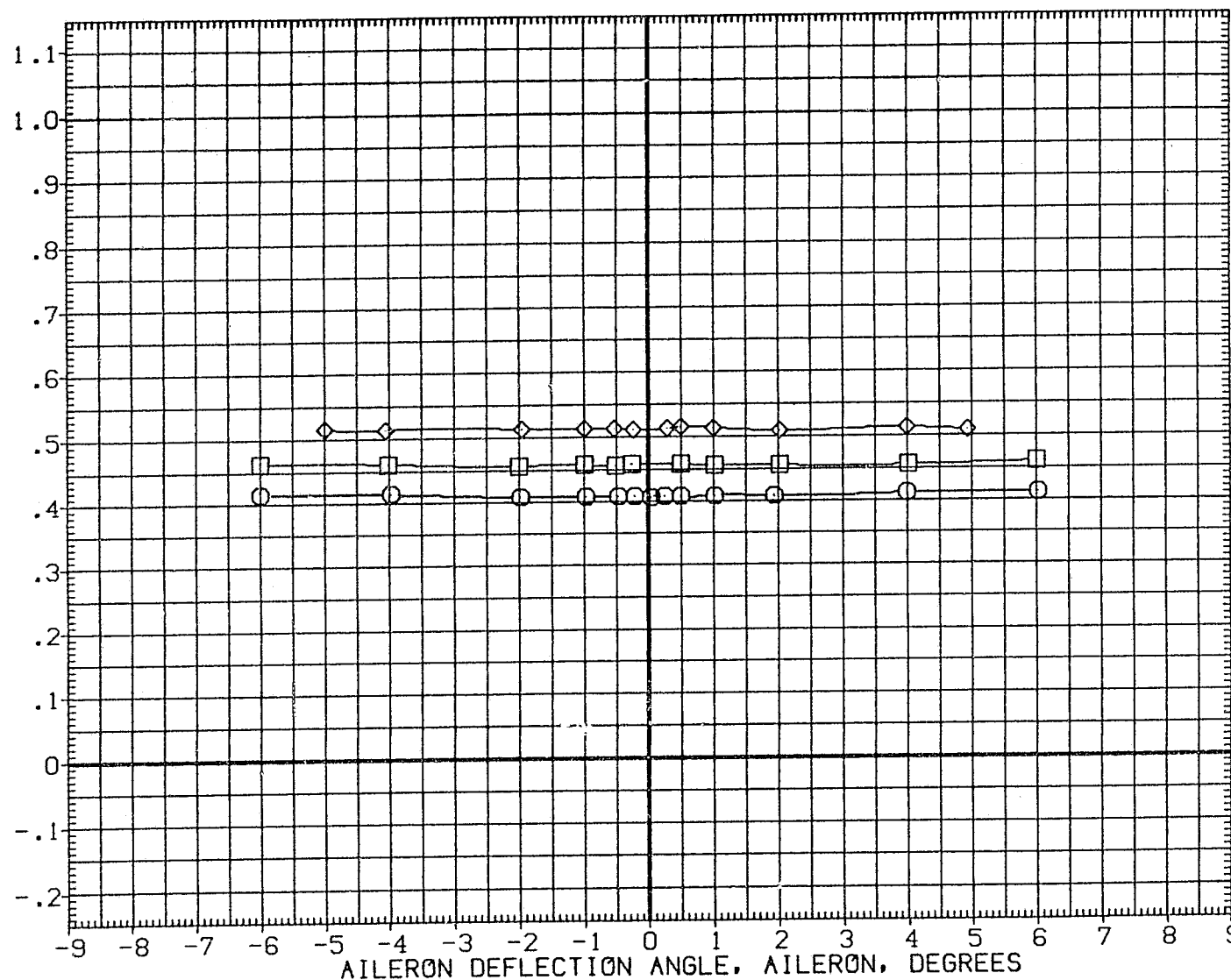


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

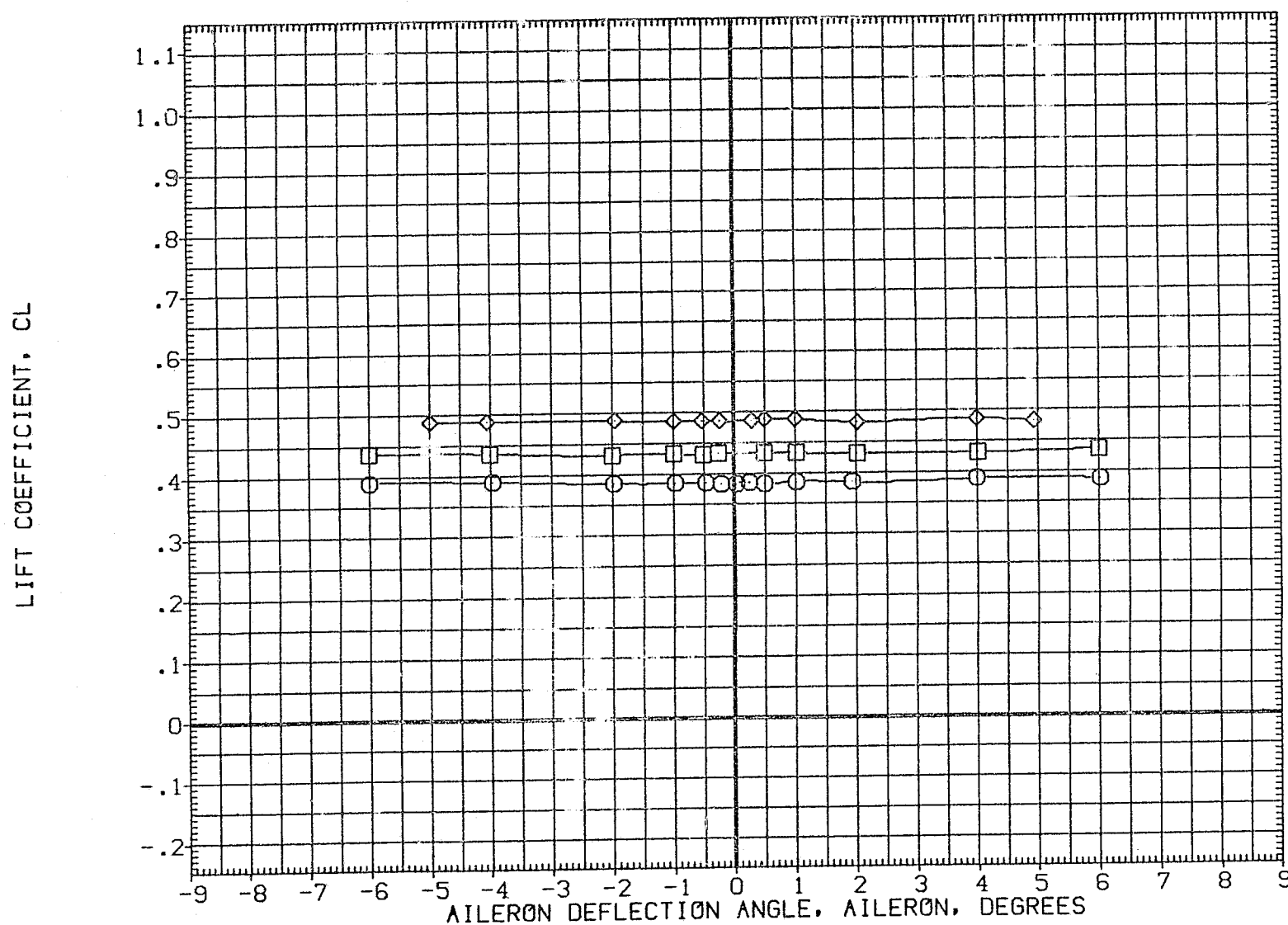


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3867) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

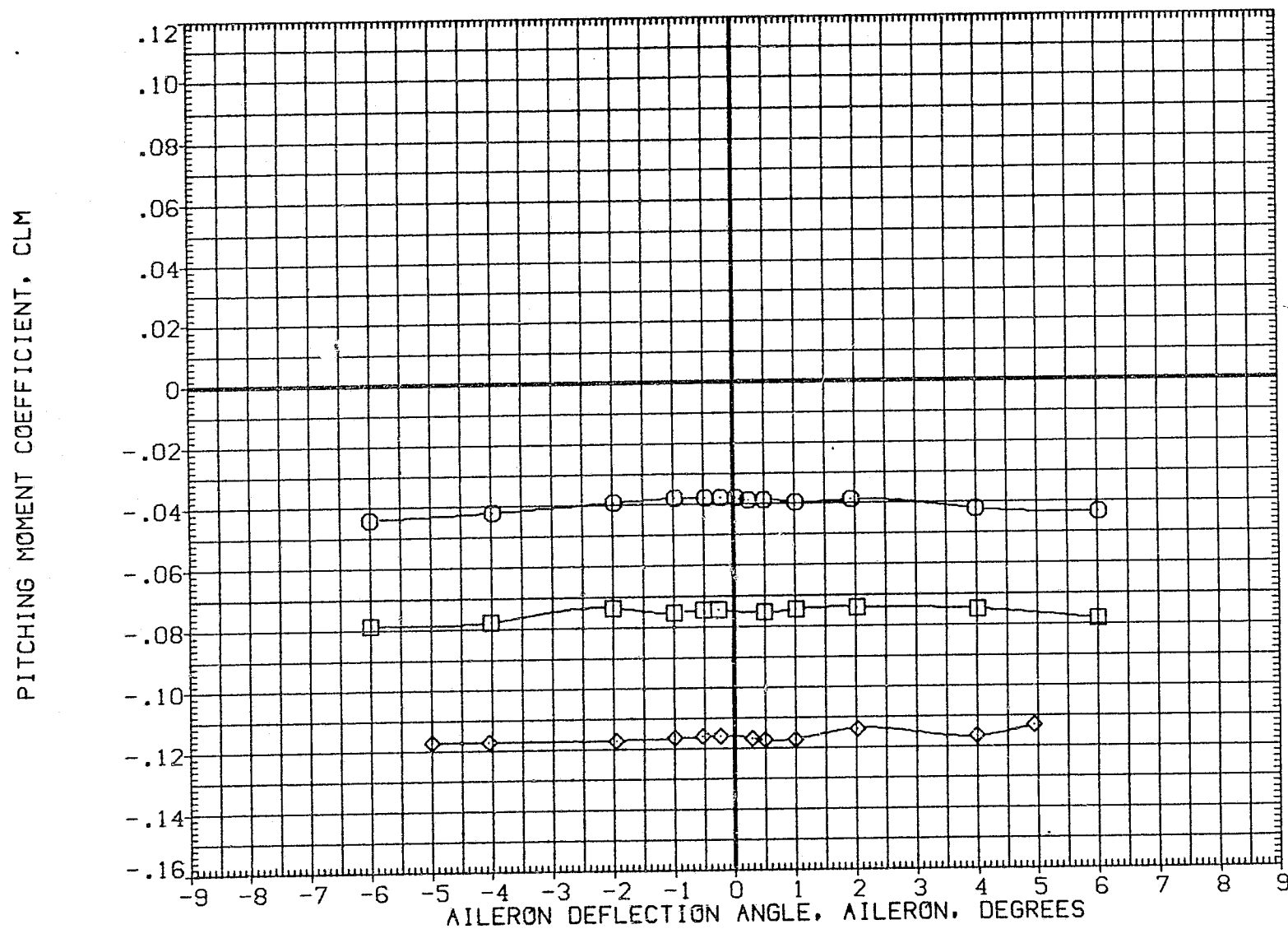


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

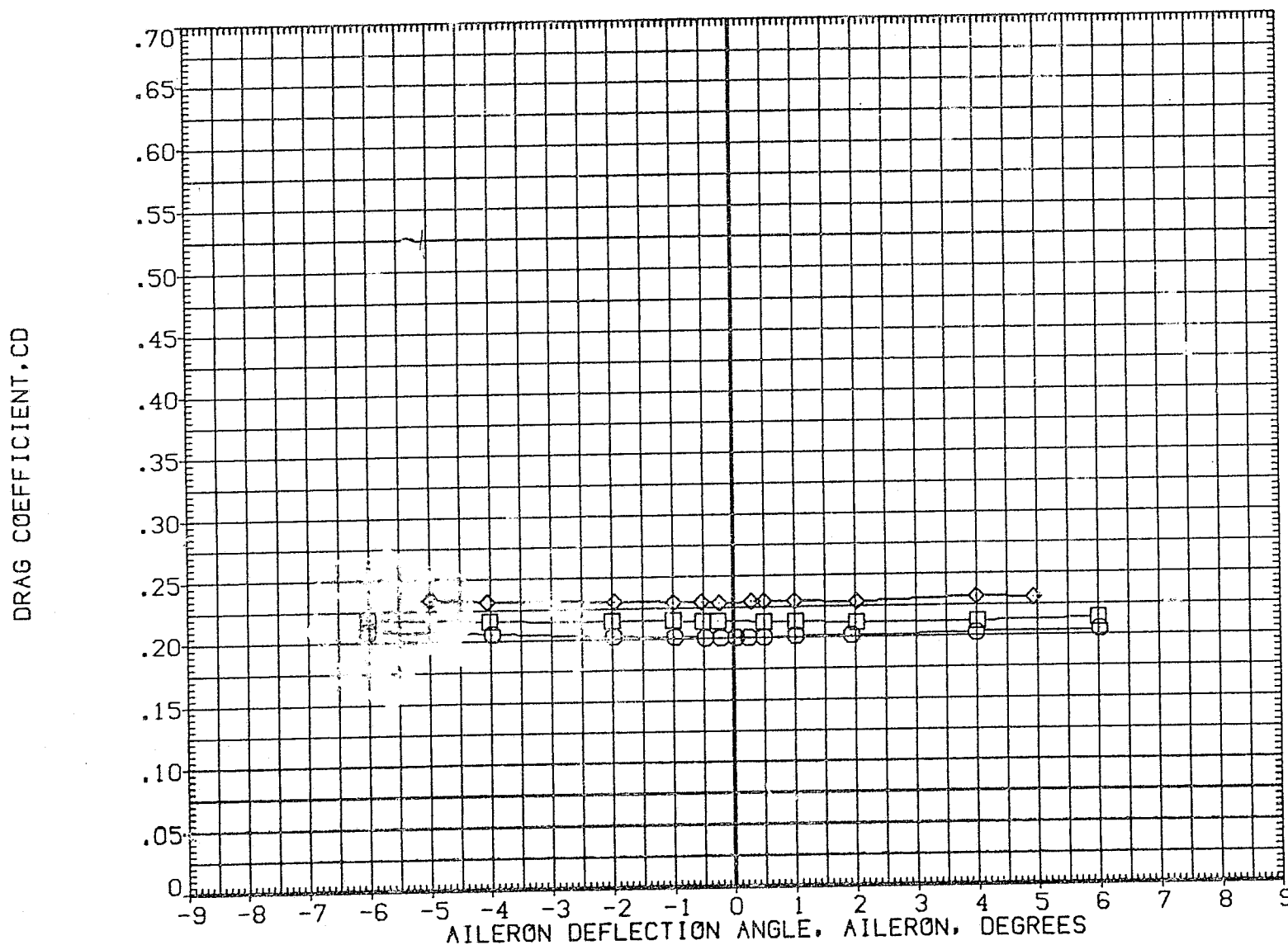


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3867)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

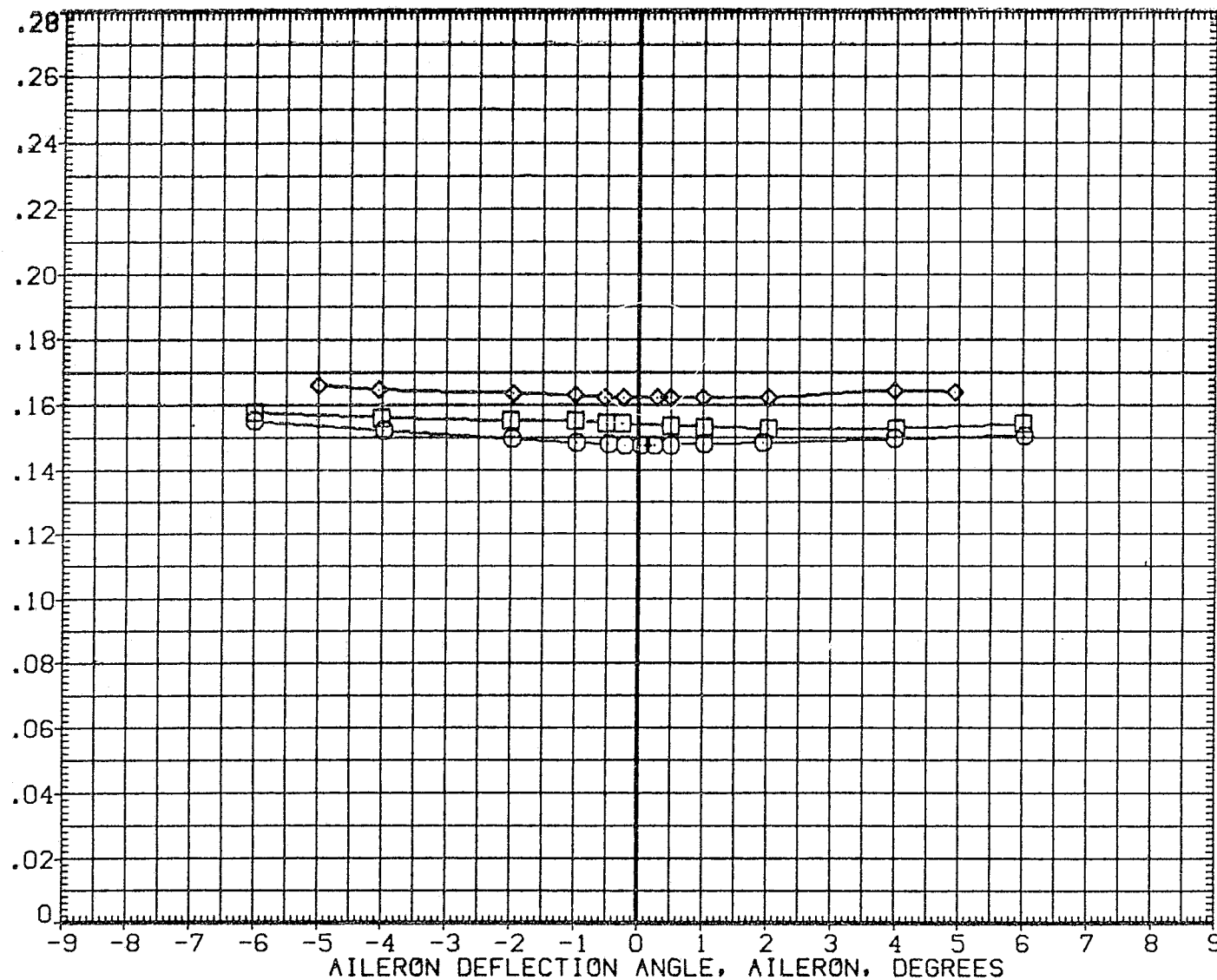


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

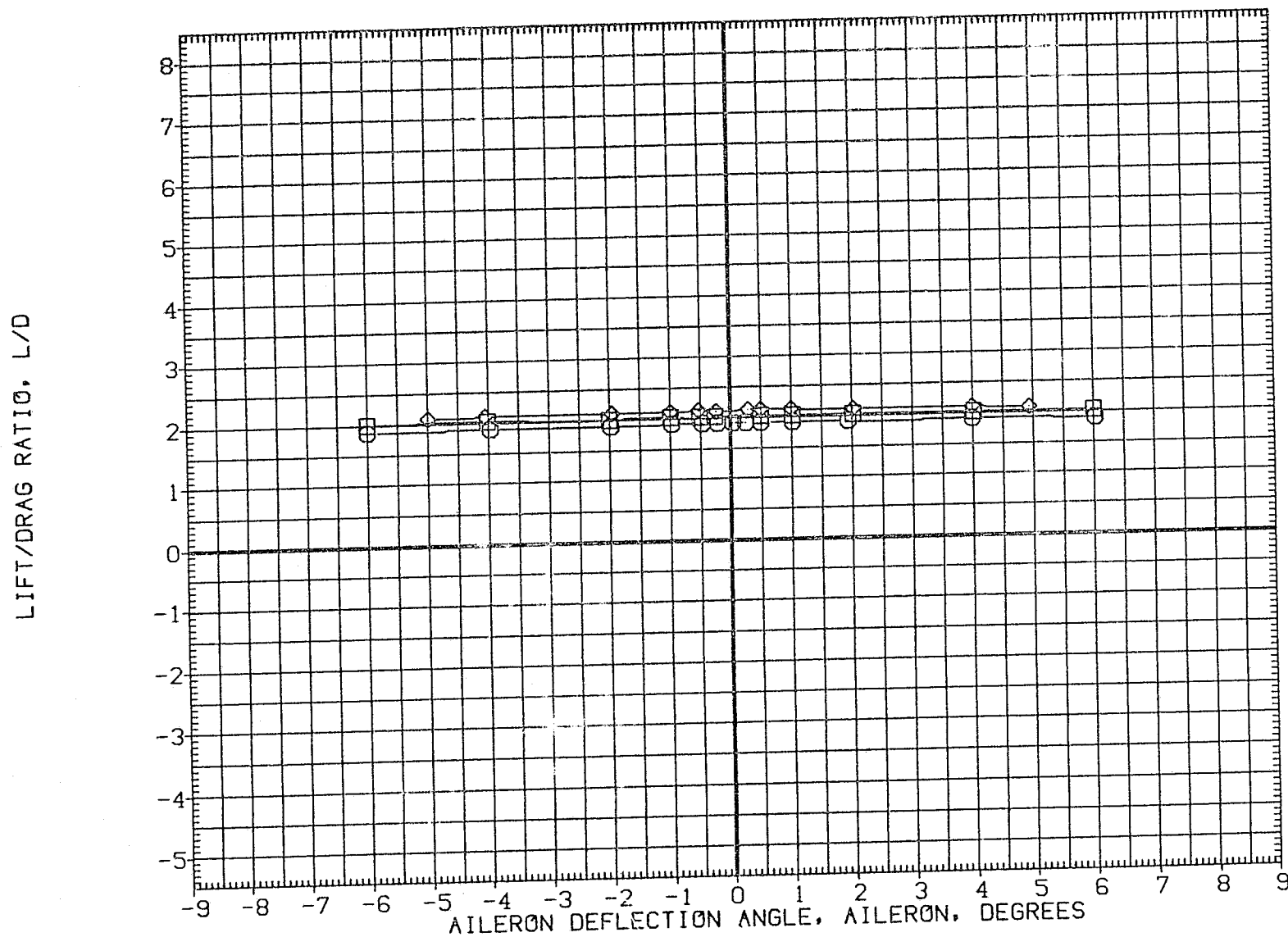


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

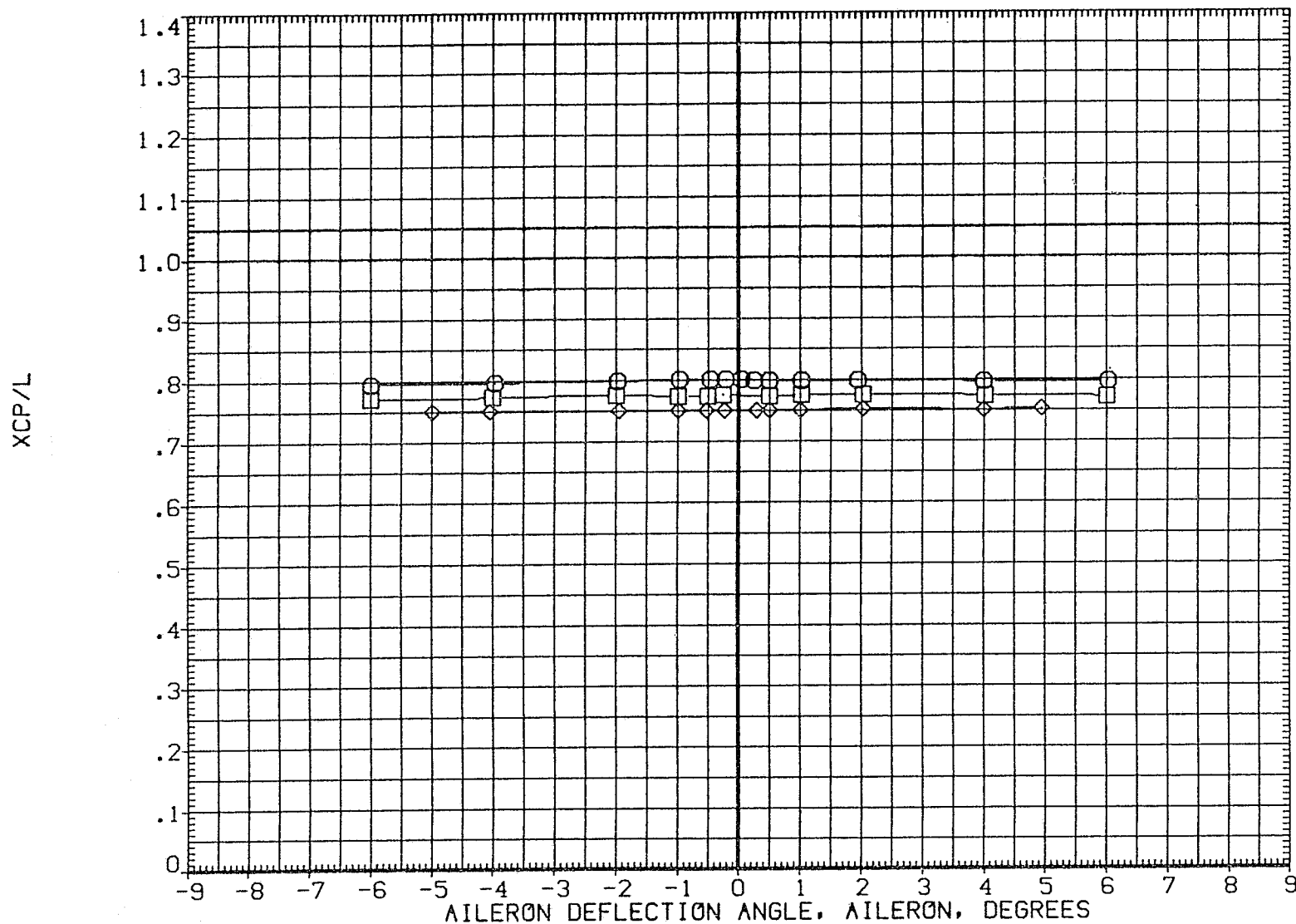


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3865)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3866)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

SIDE FORCE COEFFICIENT, CY

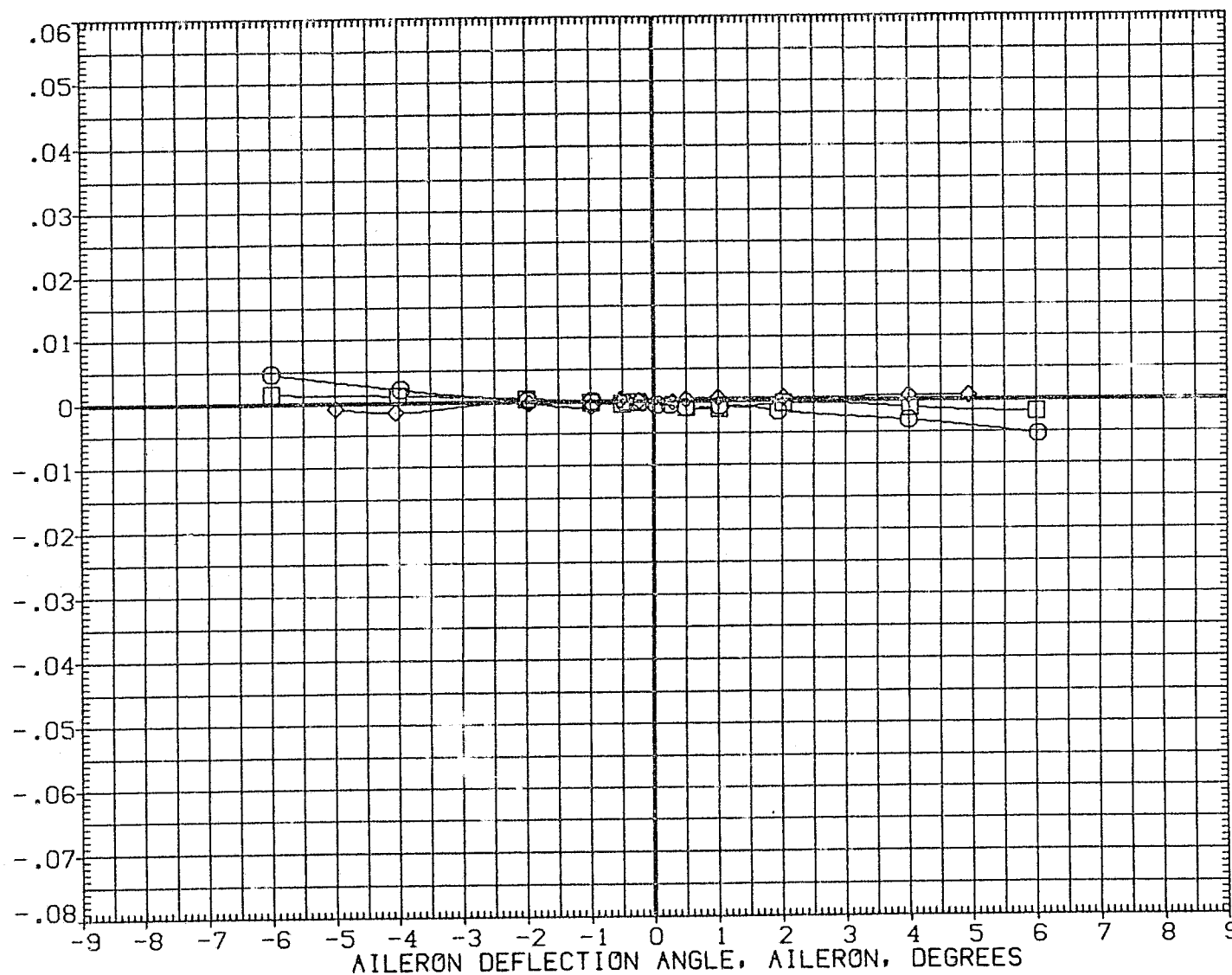


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3B65)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(YJ3B66)	LARC 8FT TPT 717(CLA-62) 140C ORBITER
(YJ3067)	LARC 8FT TPT 717(CLA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

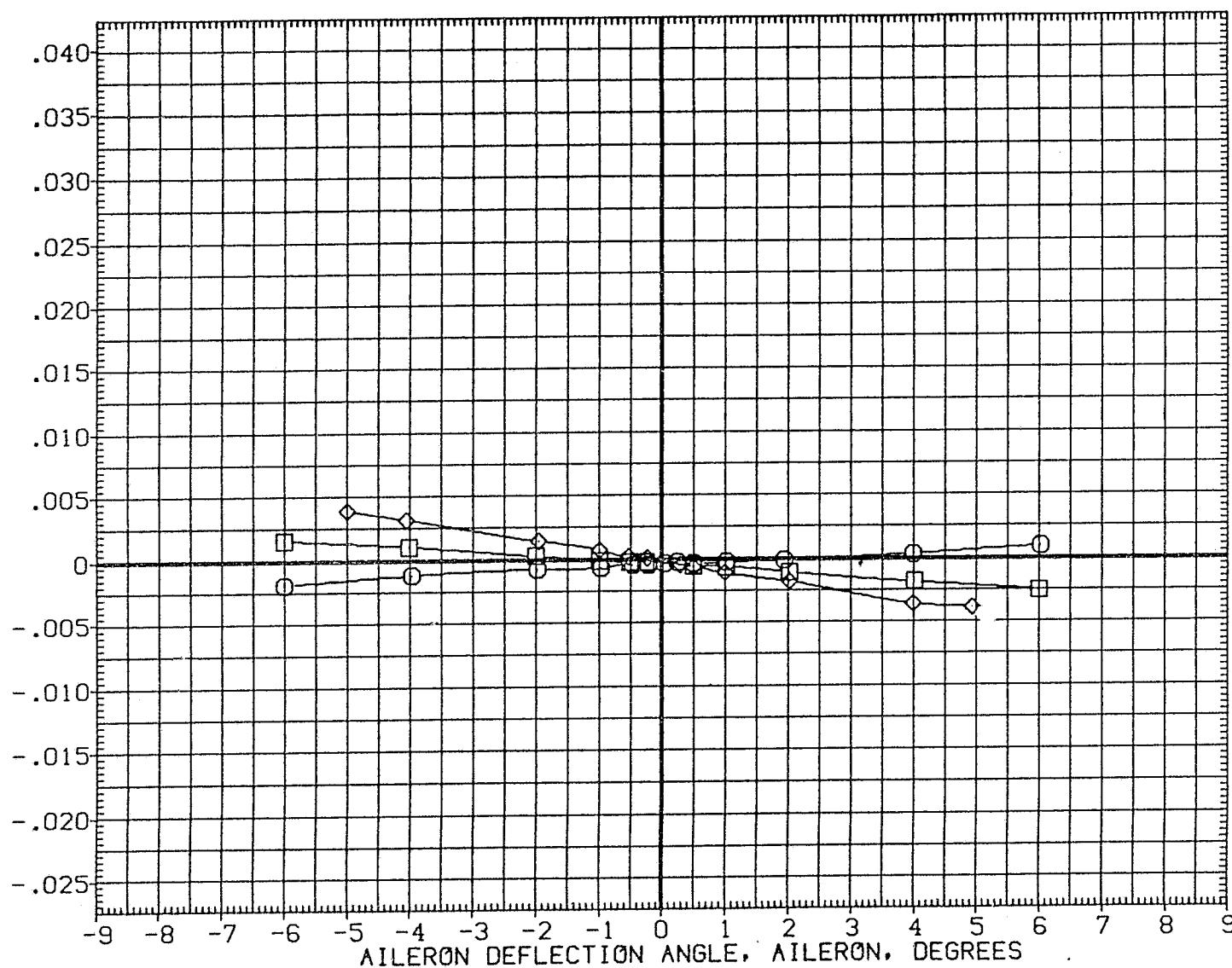


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3B65)	LARC 8FT TPT 717(LA-62) 140C CRBITER
(YJ3B66)	LARC 8FT TPT 717(LA-62) 140C CRBITER
(YJ3067)	LARC 8FT TPT 717(LA-62) 140C CRBITER

ALPHA	MACH	ELEVON
7.500	1.200	.000
7.500	1.200	5.000
7.500	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

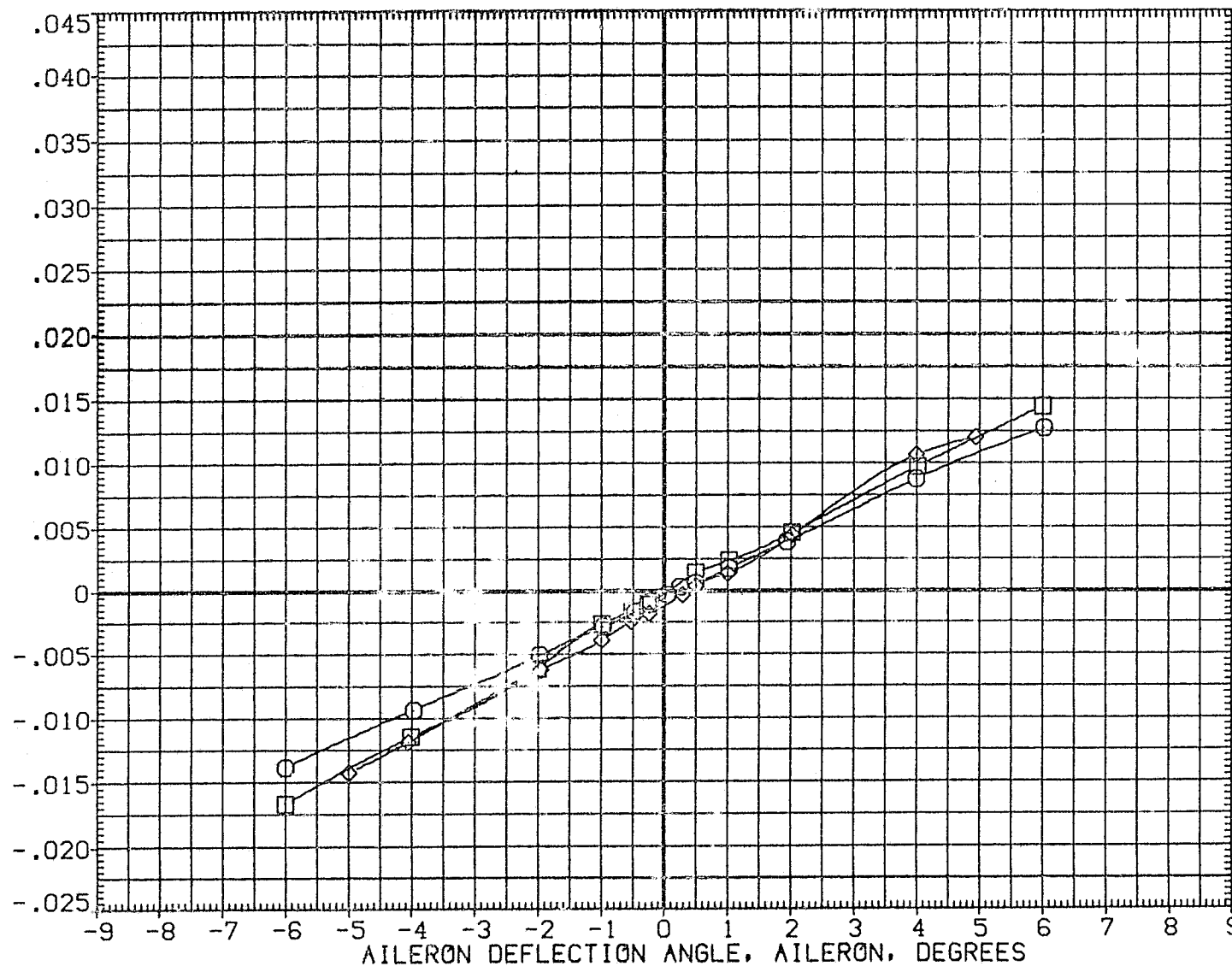


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3087) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3073) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	838.6800	INCHES
XMRP	1078.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

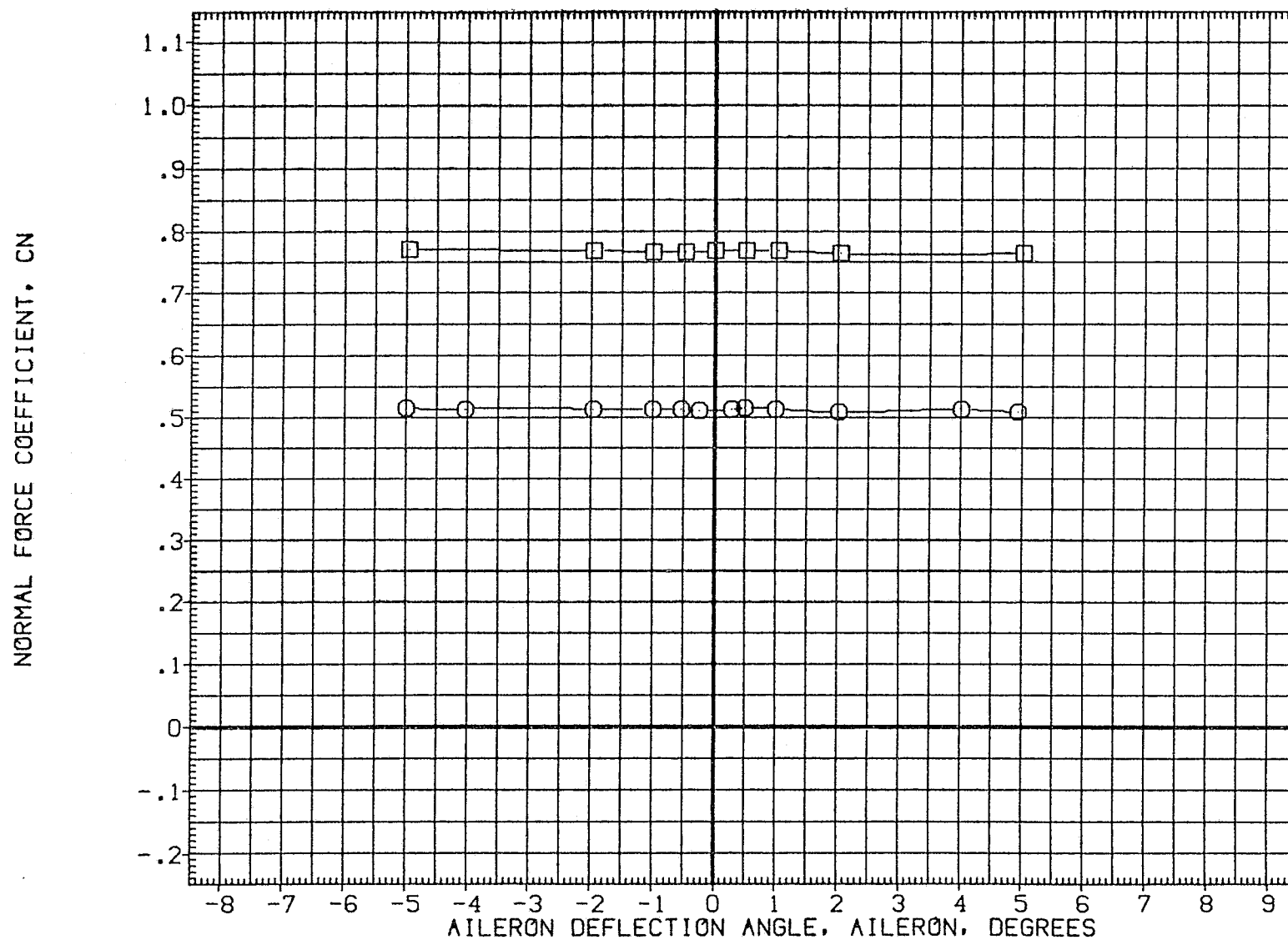


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3067) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3073) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SG.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

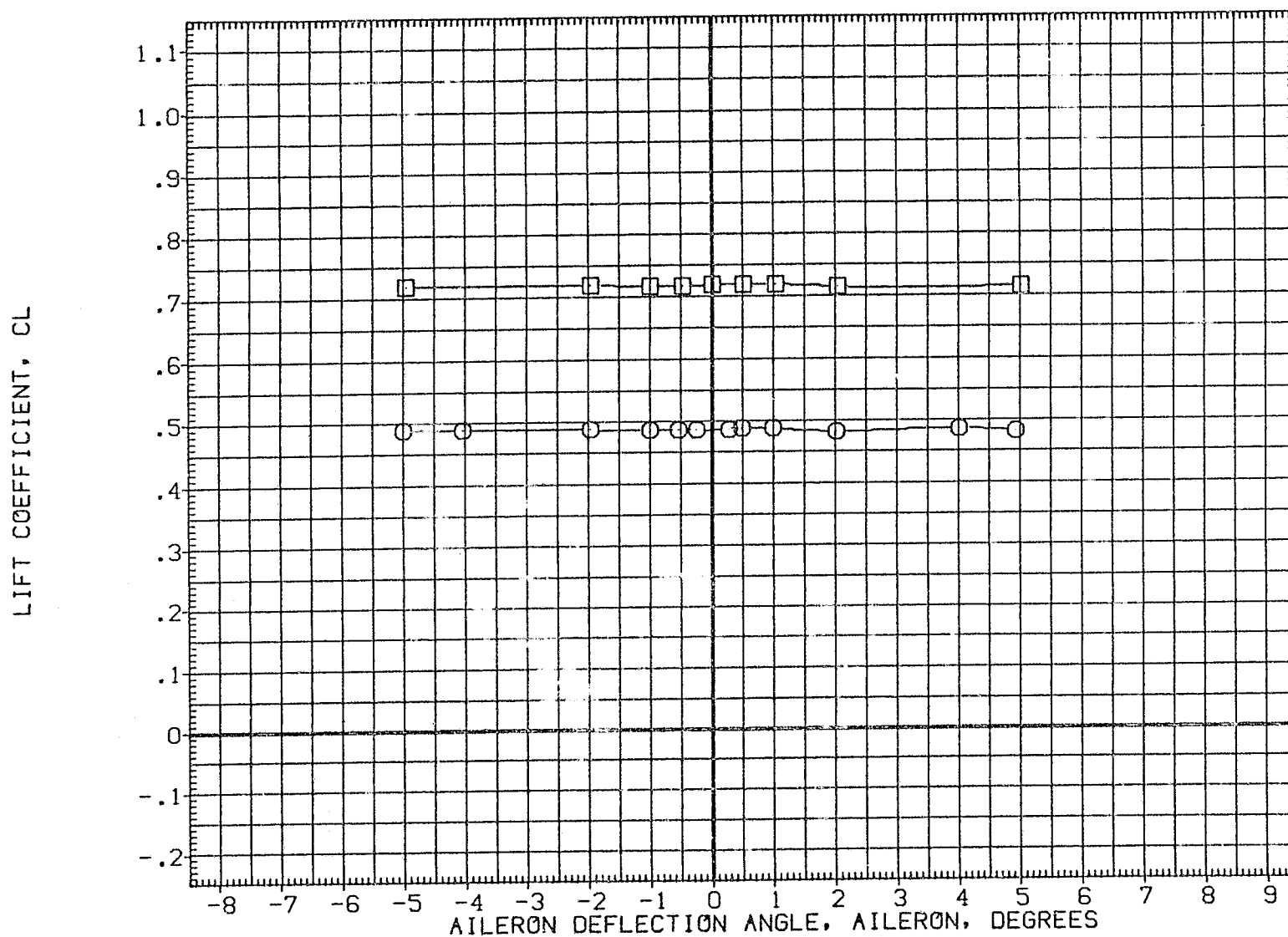


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3067) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3073) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

PITCHING MOMENT COEFFICIENT, CLM

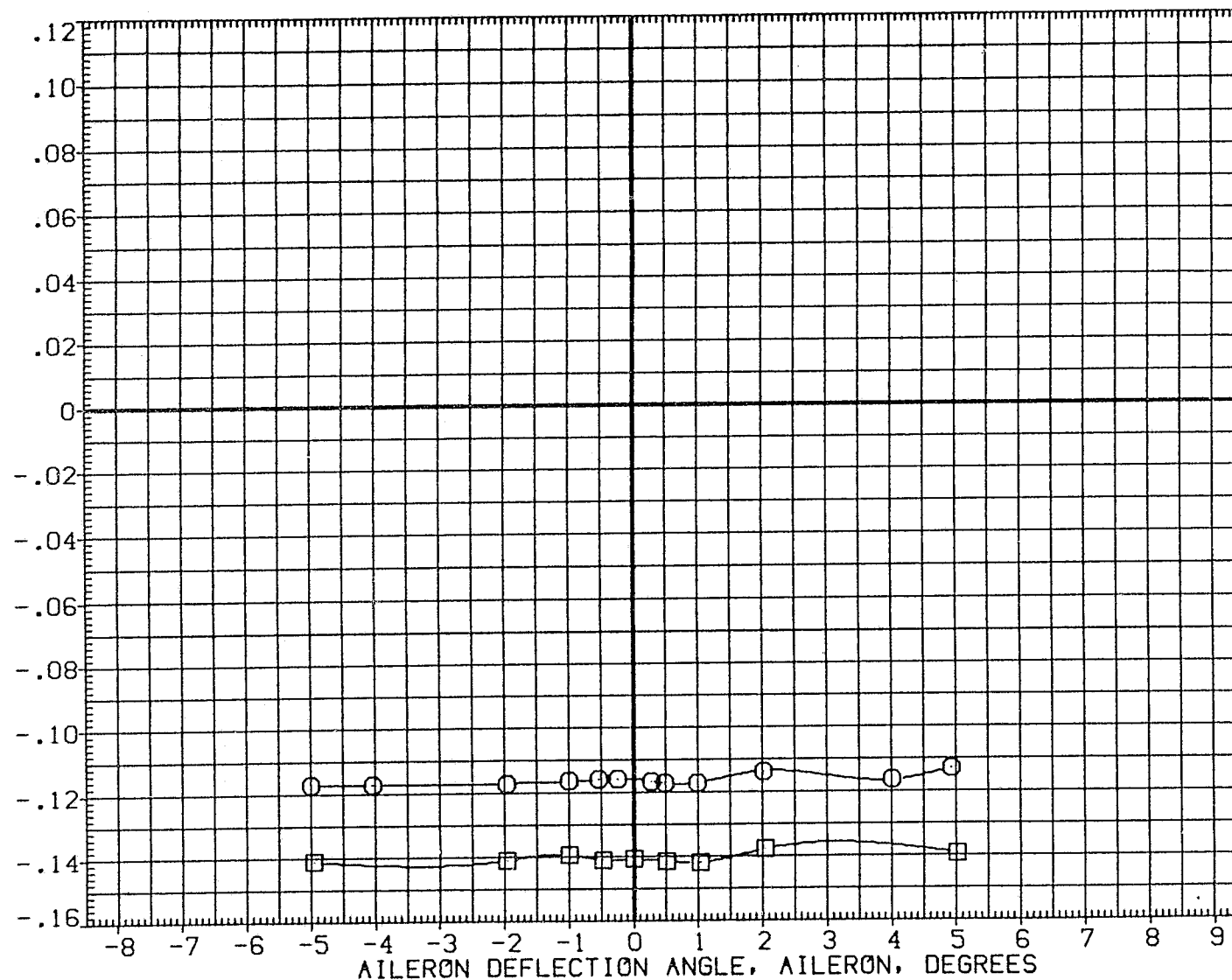


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3067) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3073) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

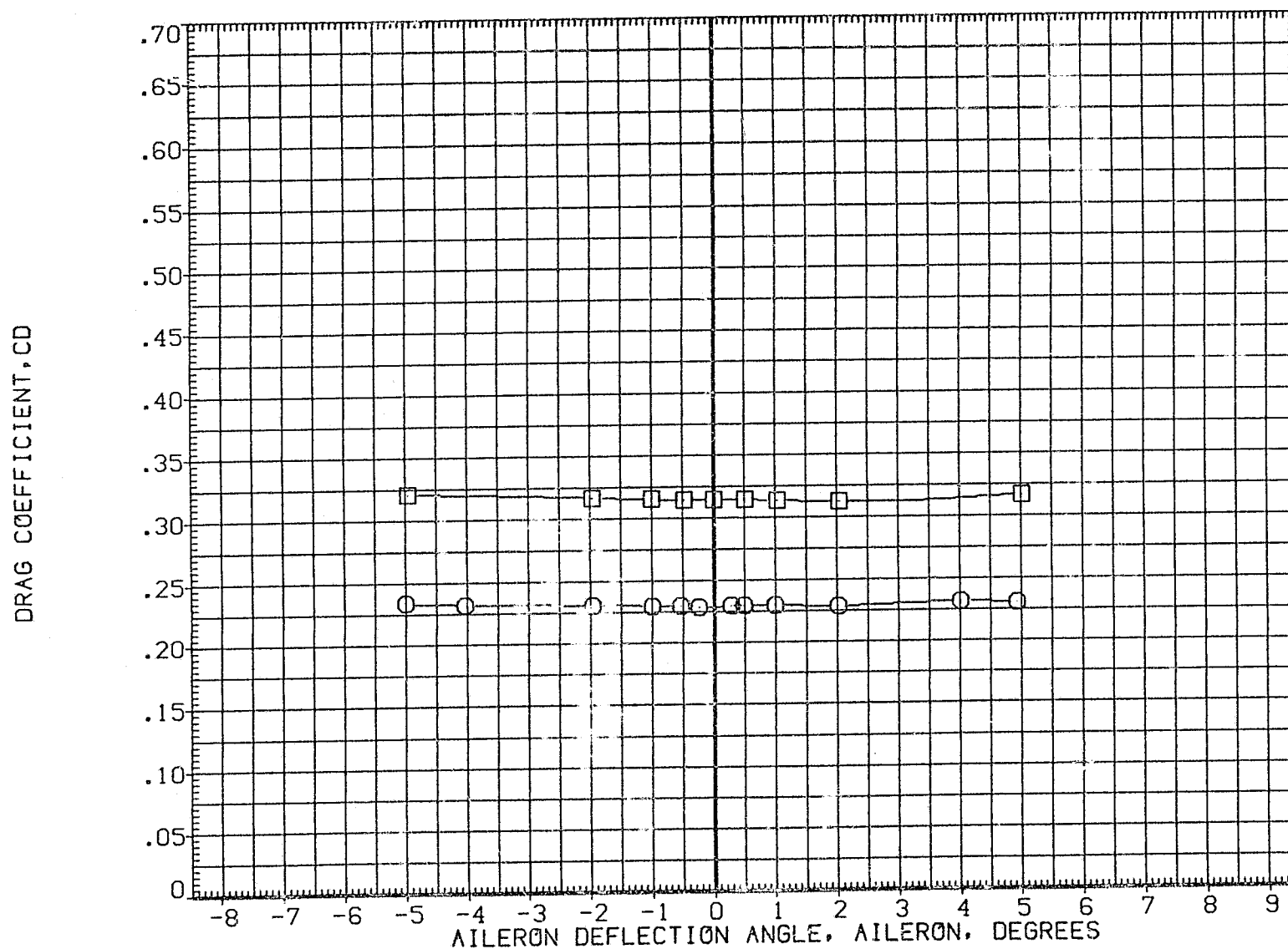


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3067)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3073)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.8800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

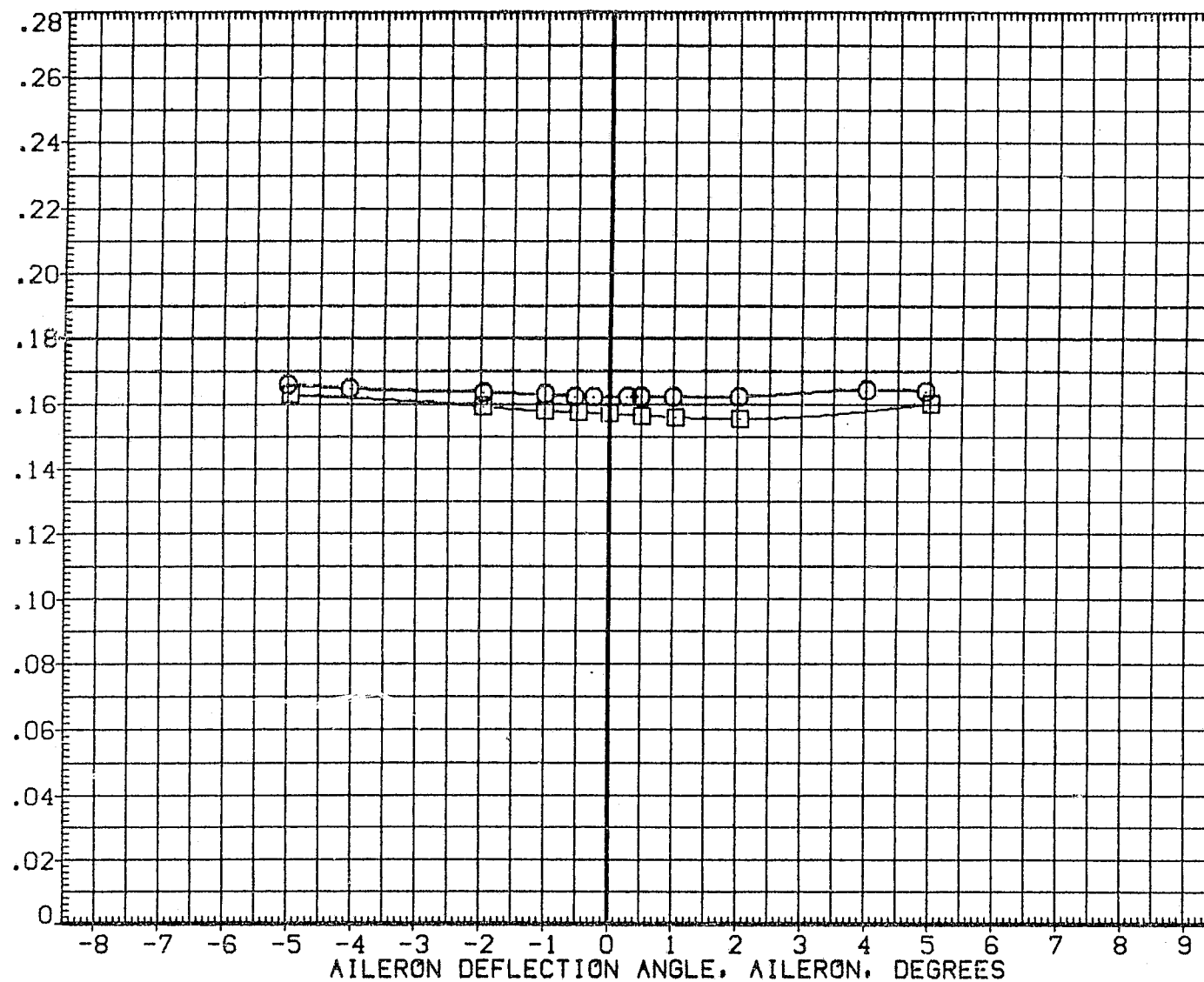


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{XJ3087}	LARC 8FT TPT 717(LA-62) 140C ORBITER
{XJ3073}	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SRF	2680.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

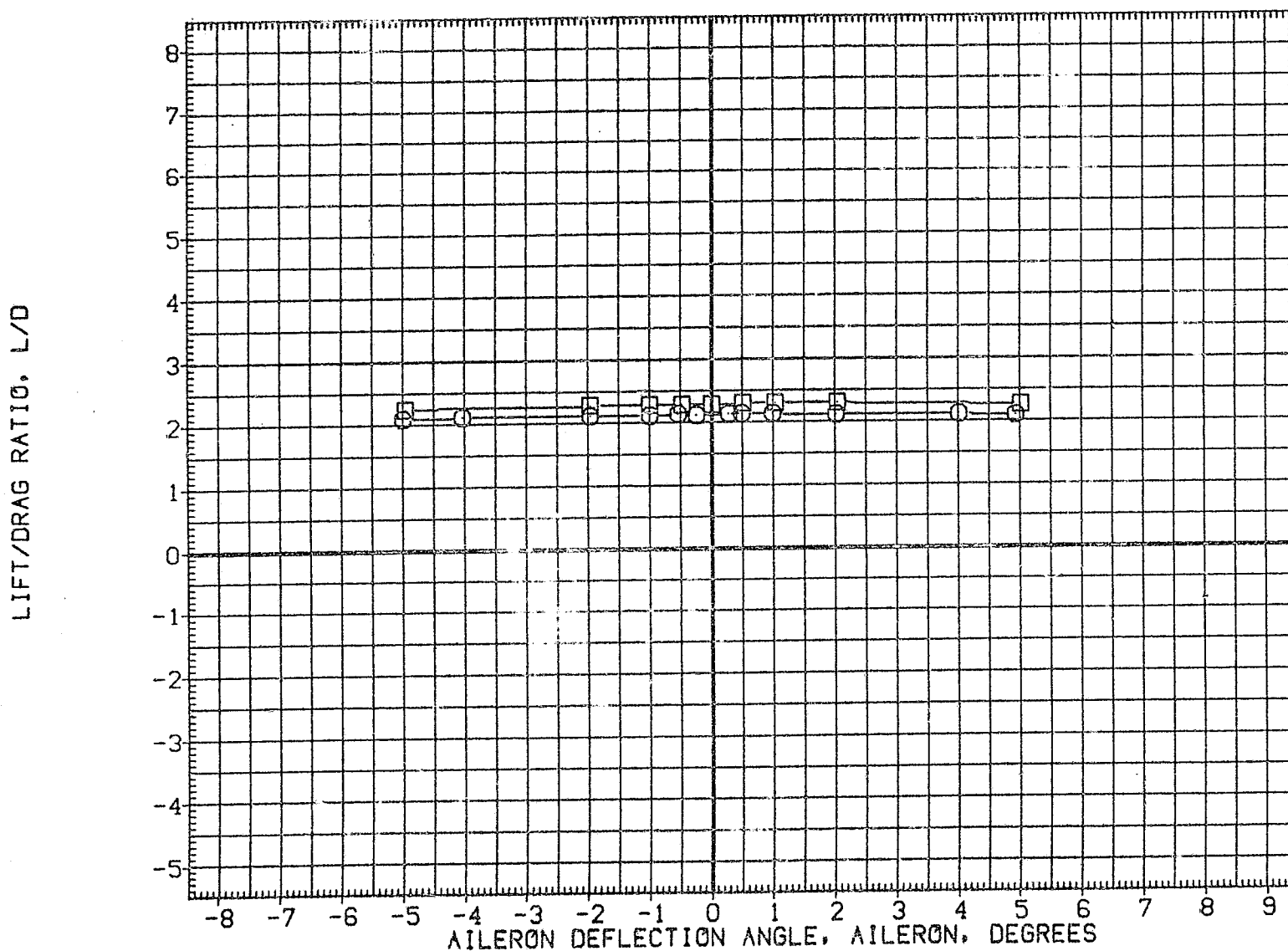


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3067)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3073)  LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

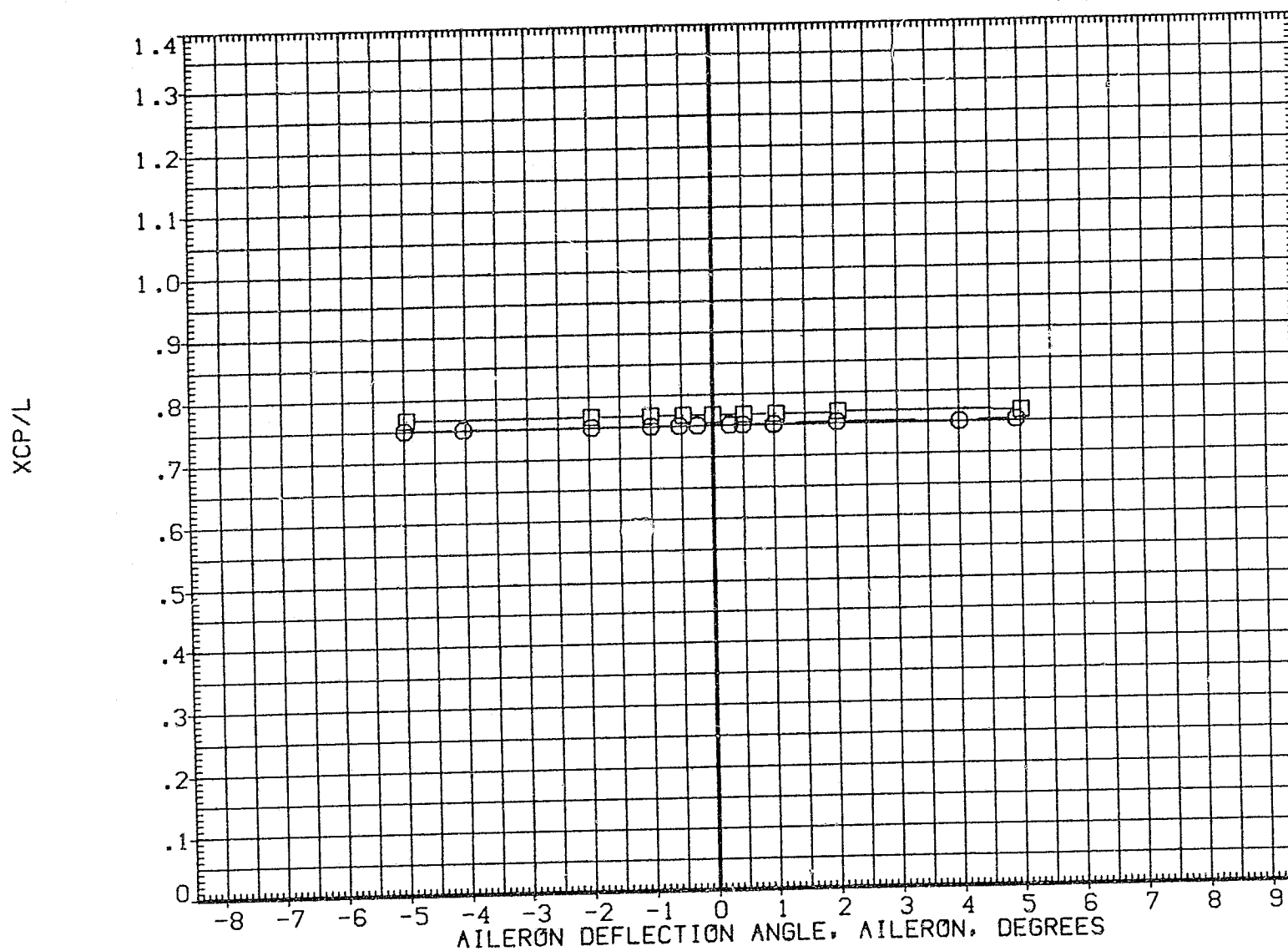


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3067) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3073) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

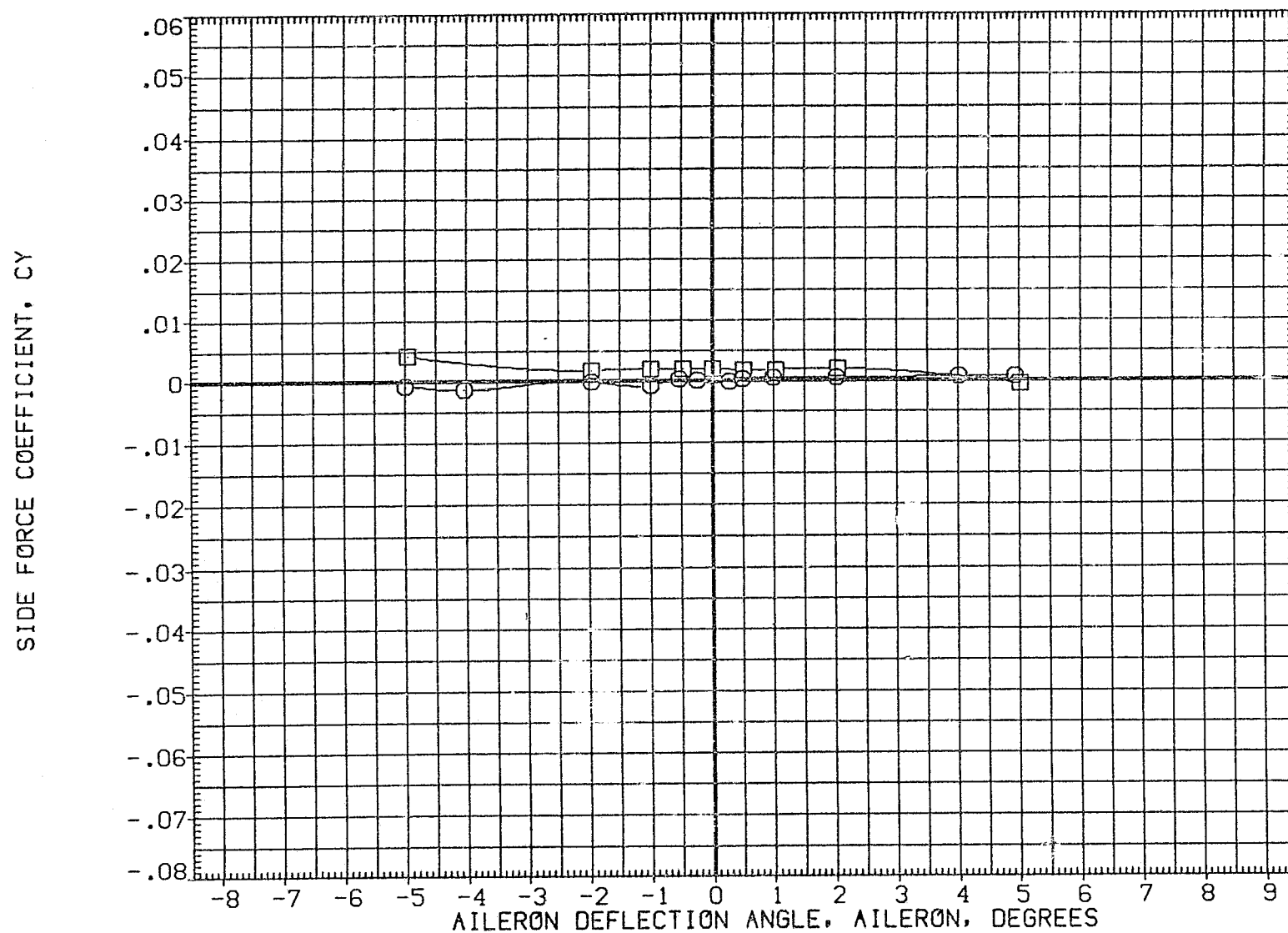


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3067)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3073)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

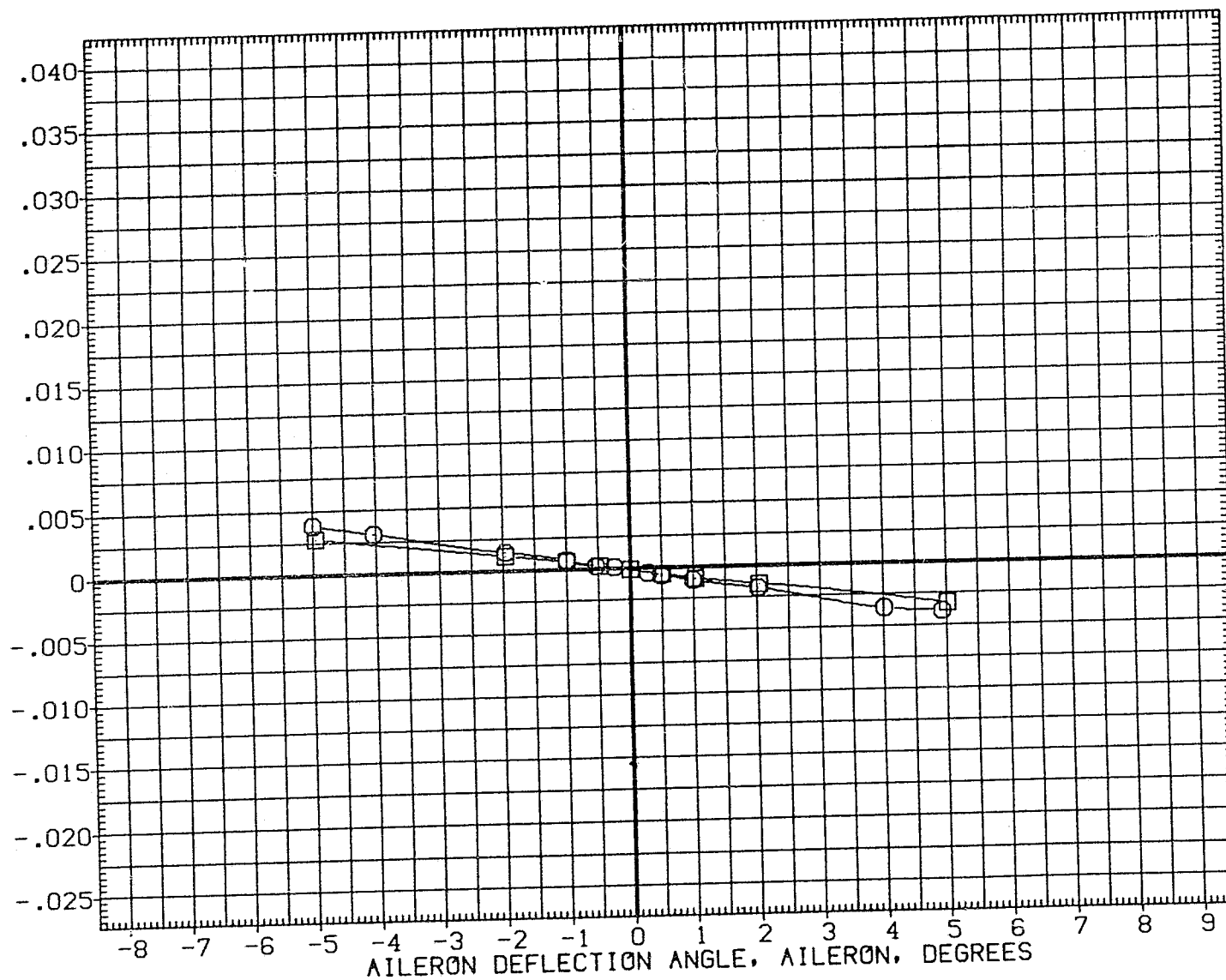


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3067) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3073) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	1.200	10.000
12.000	1.200	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

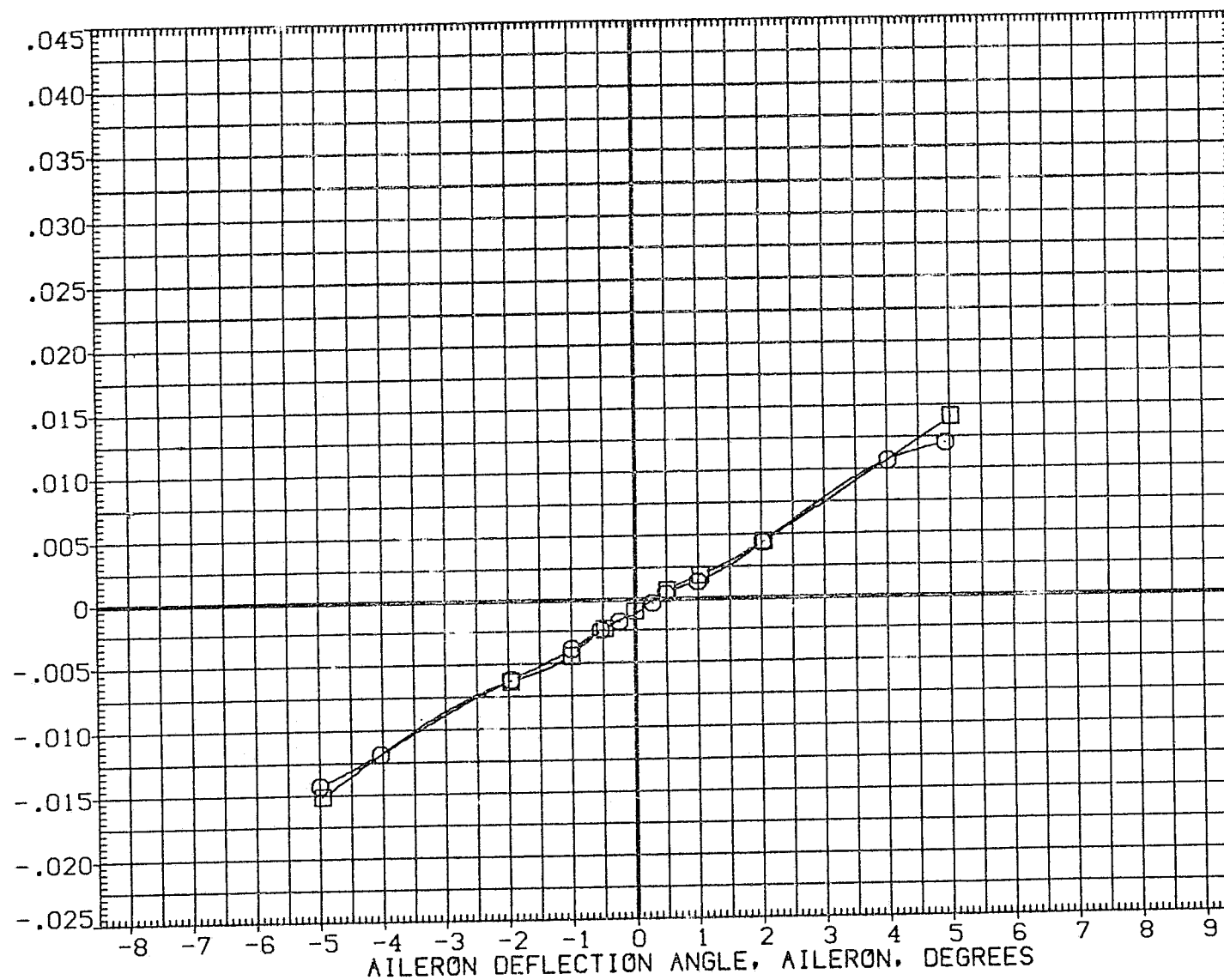


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073)	LARC 8FT TPT 717(LA-82) 140C ORBITER
(XJ3C75)	LARC 8FT TPT 717(LA-82) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2680.0000	80. FT.
LREF	474.8000	INCHES
BREF	936.8800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

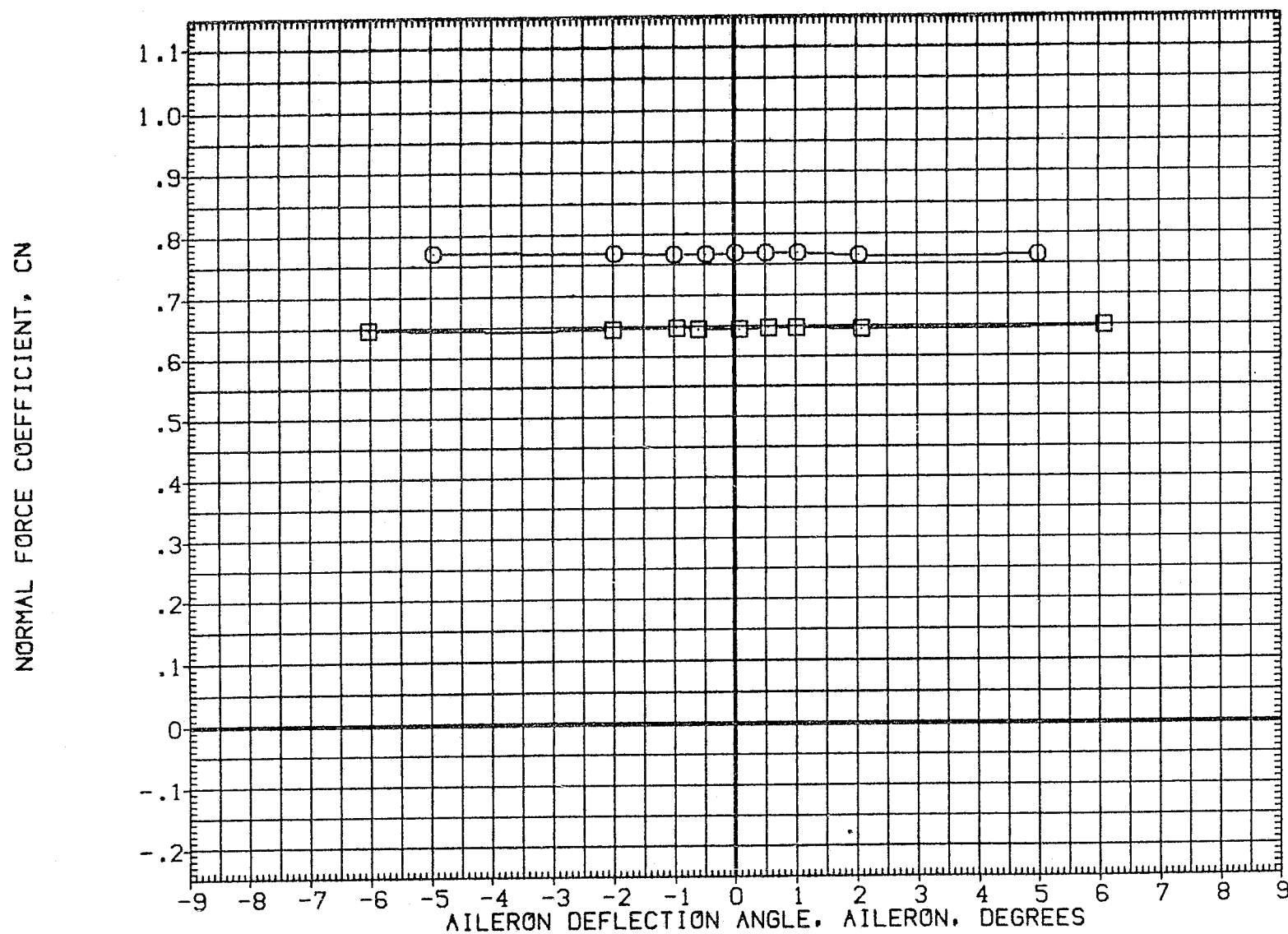


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C75) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

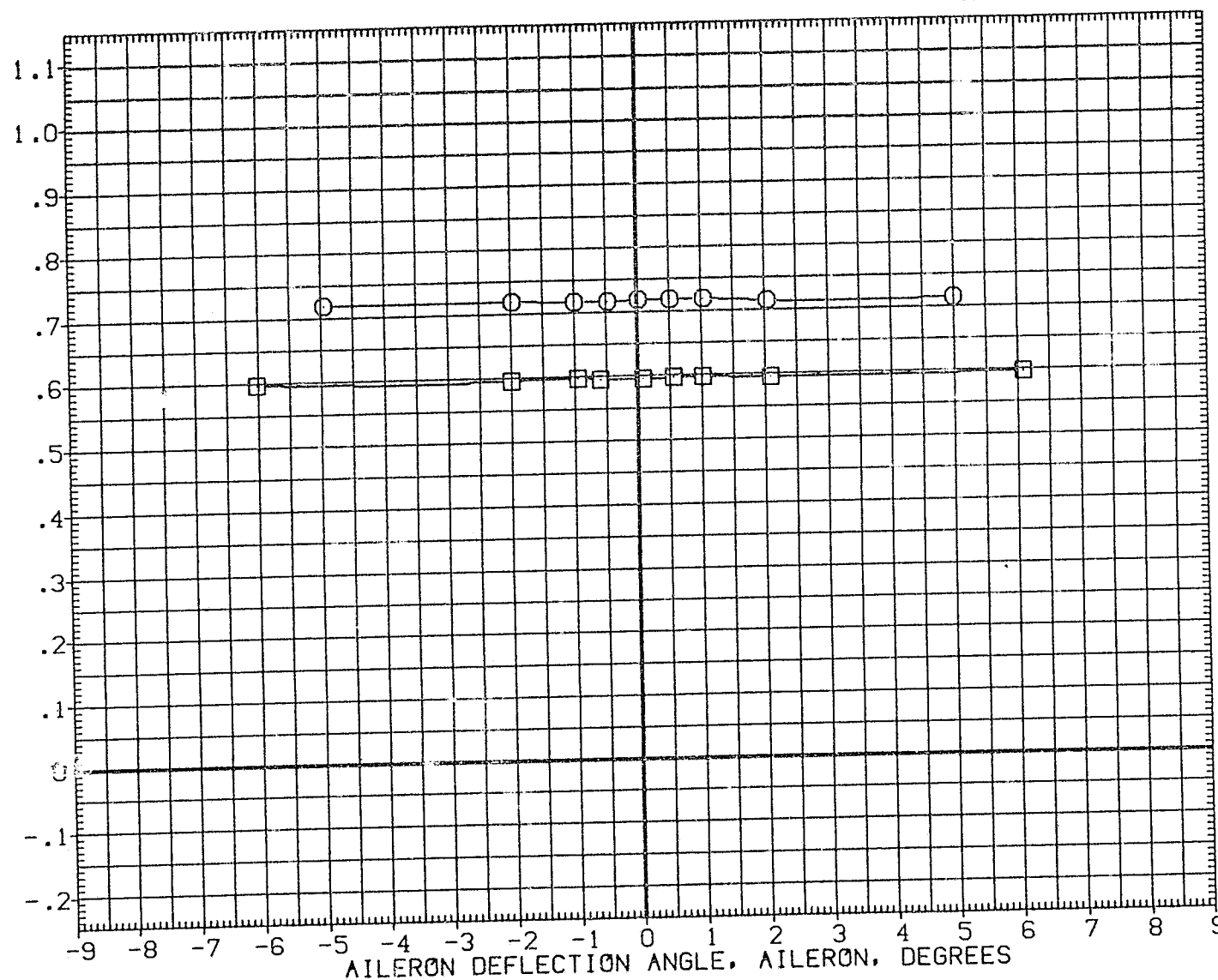


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C75) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

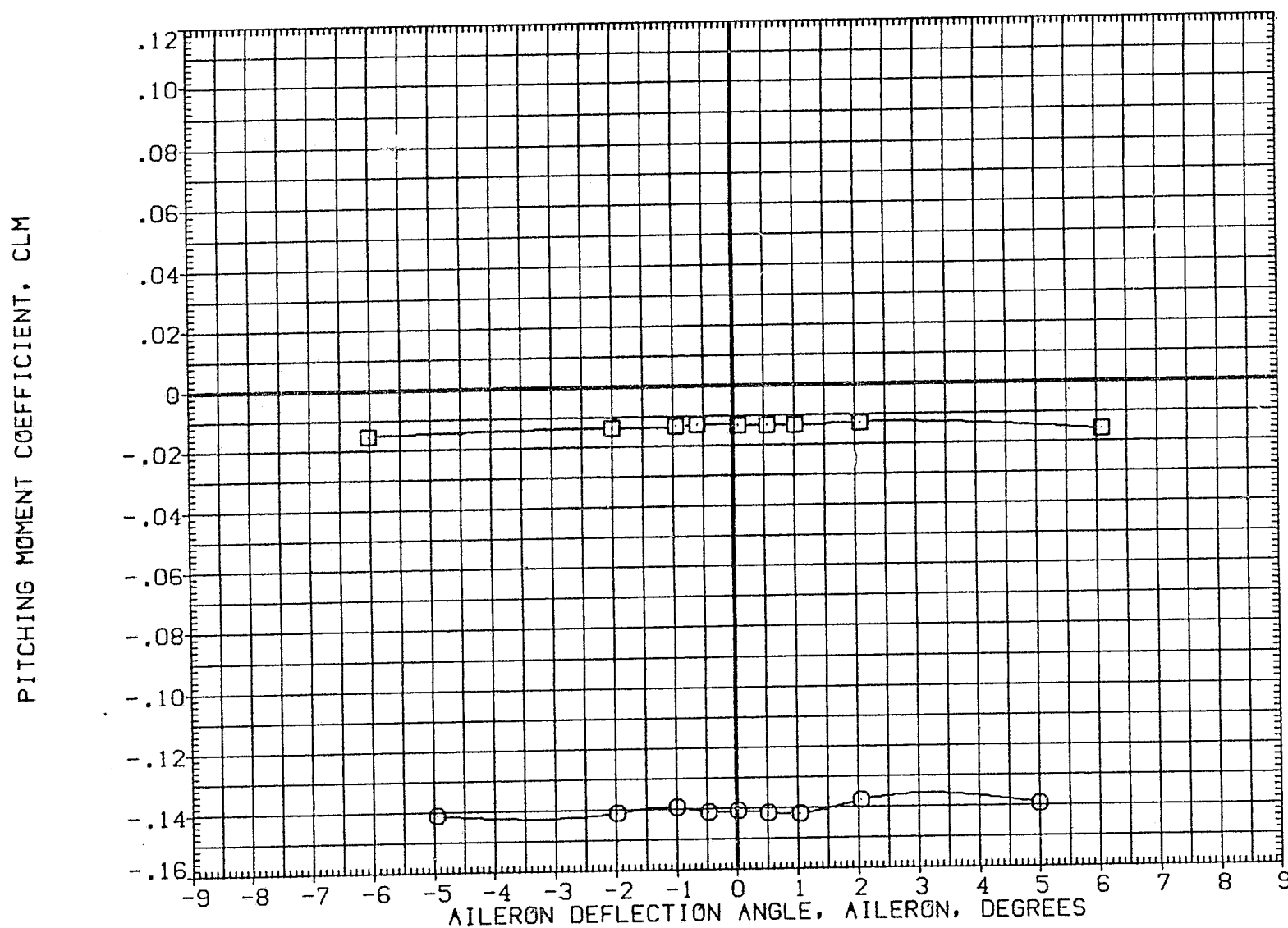


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C75) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

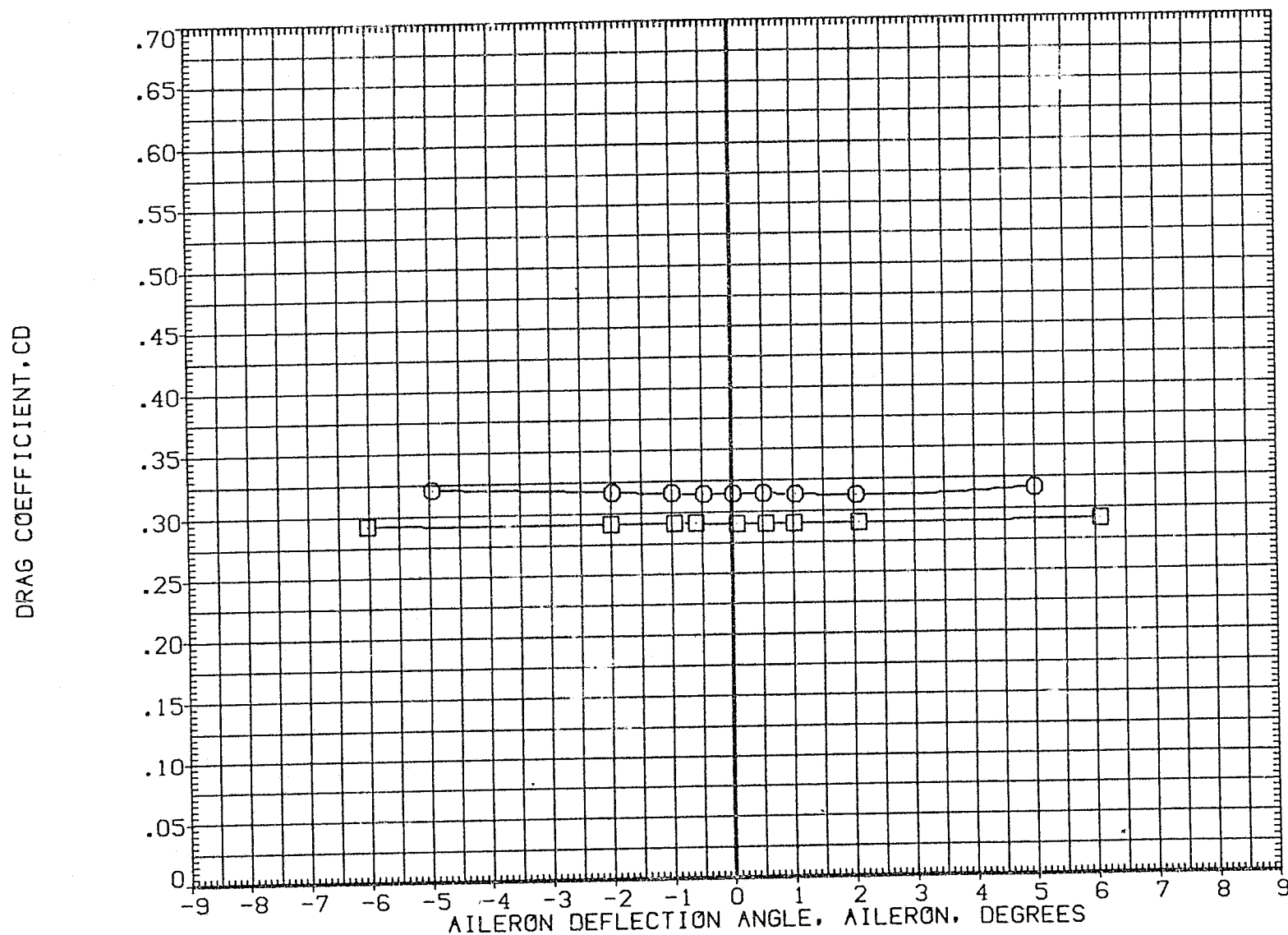


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C75) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

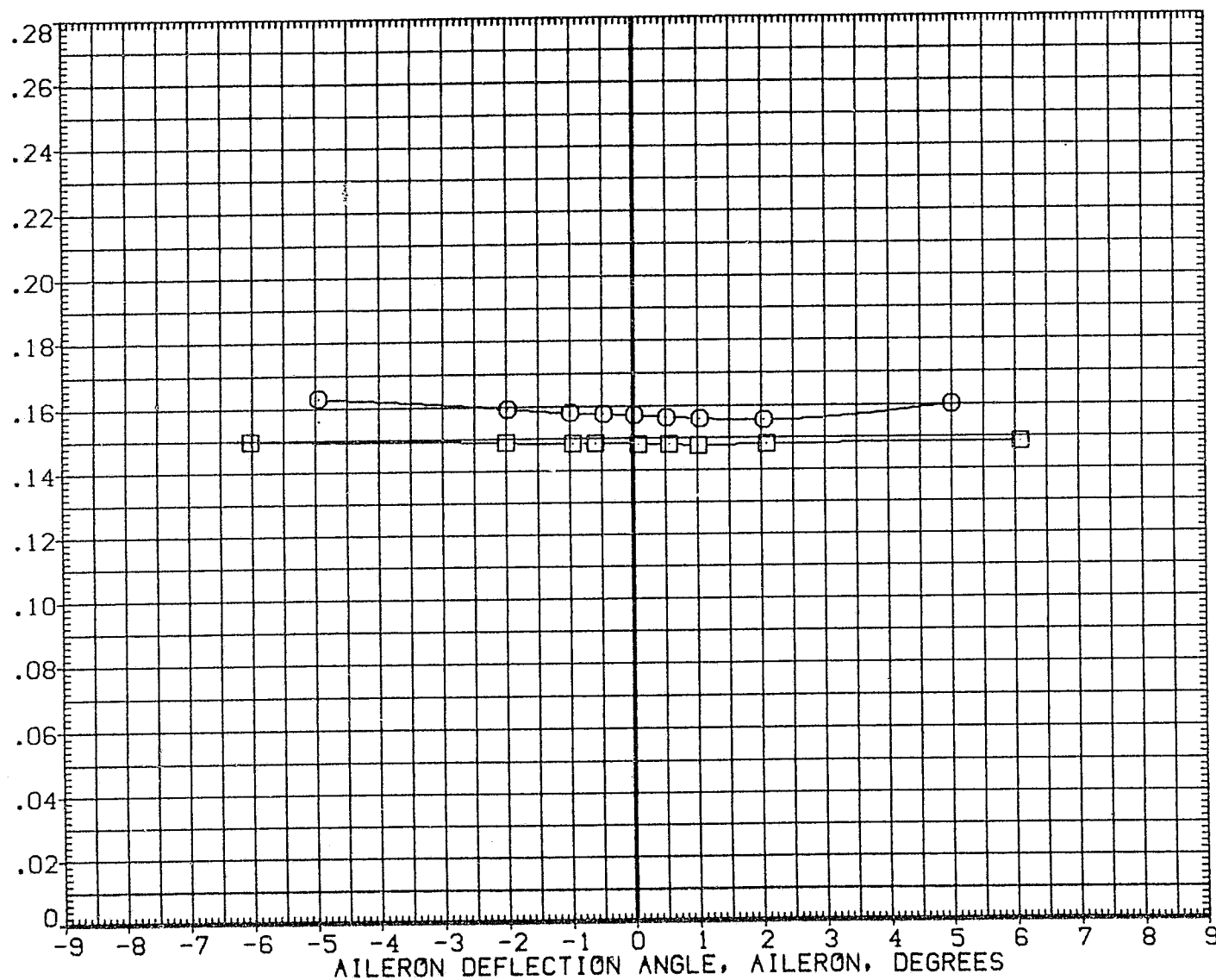


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3075)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

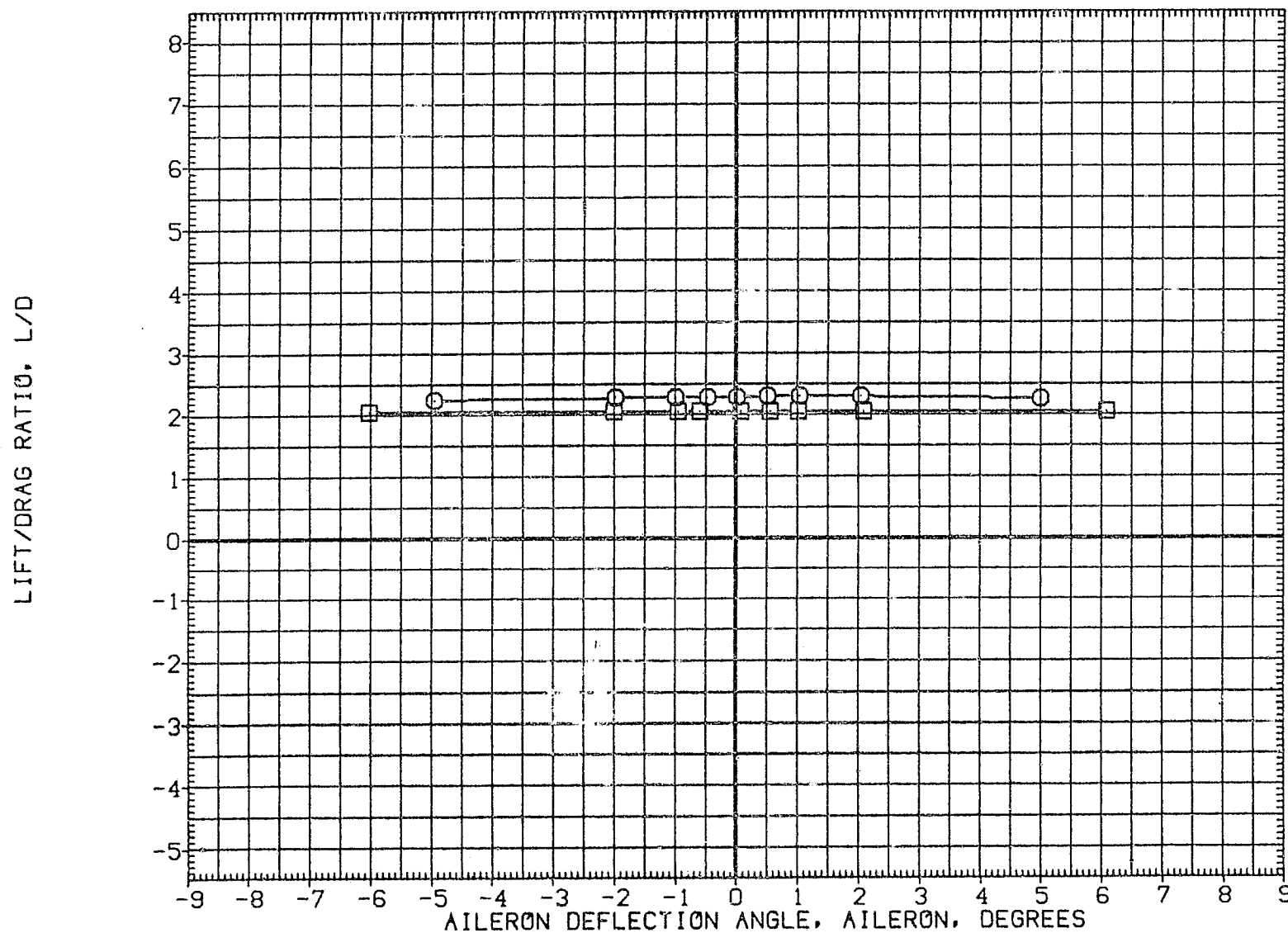


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3073)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C75)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

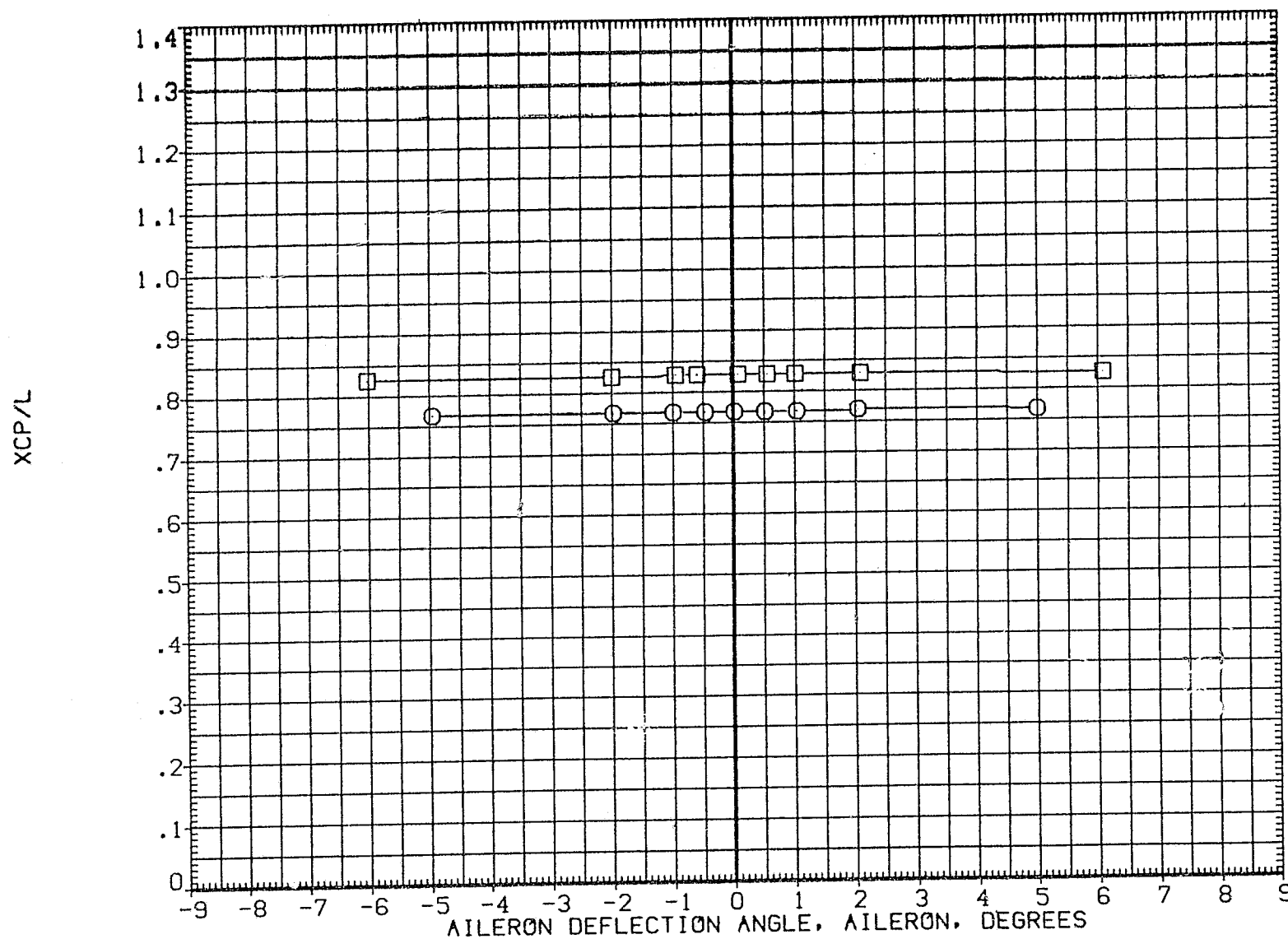


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3073)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3C75)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

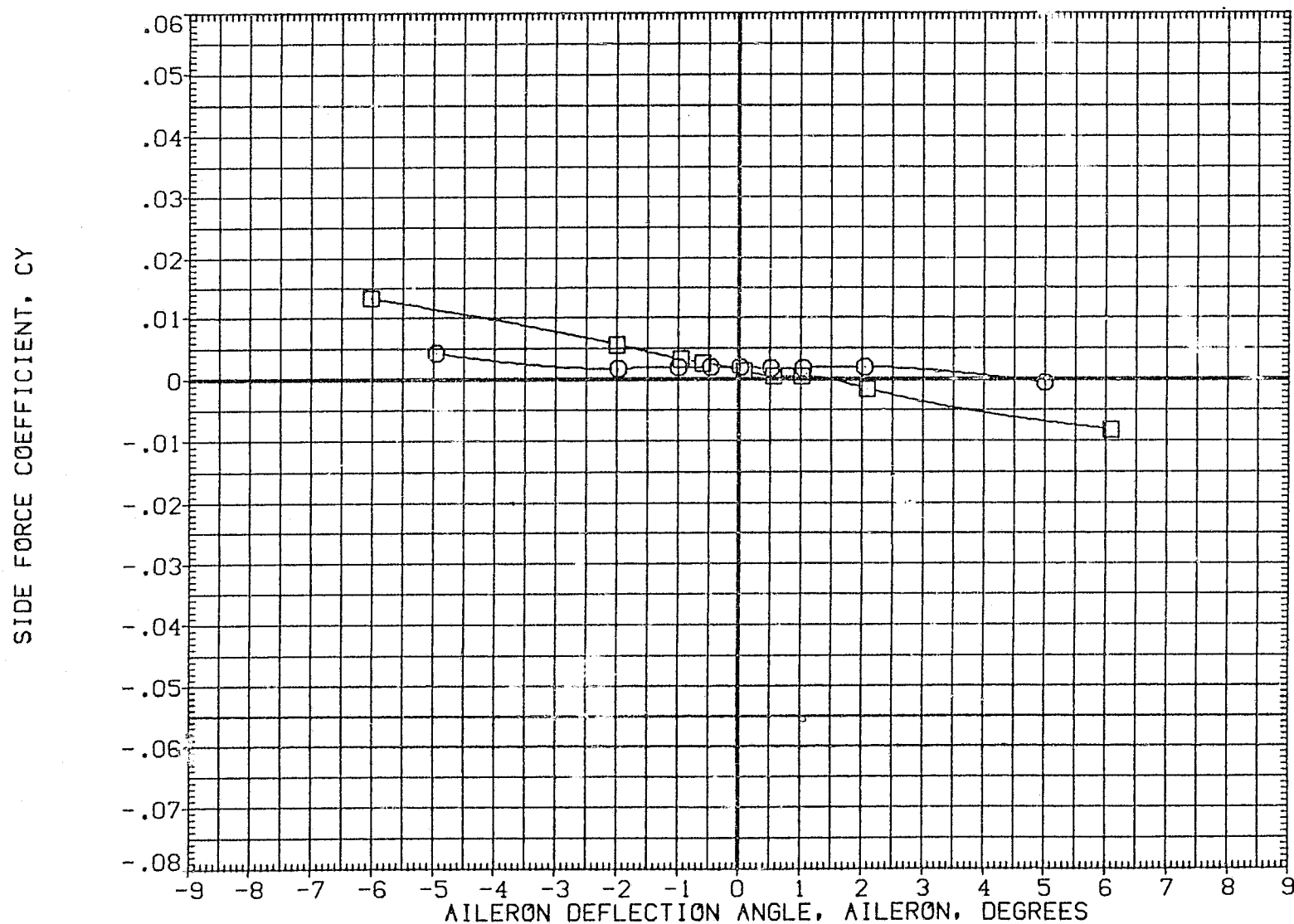


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3073) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3C75) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

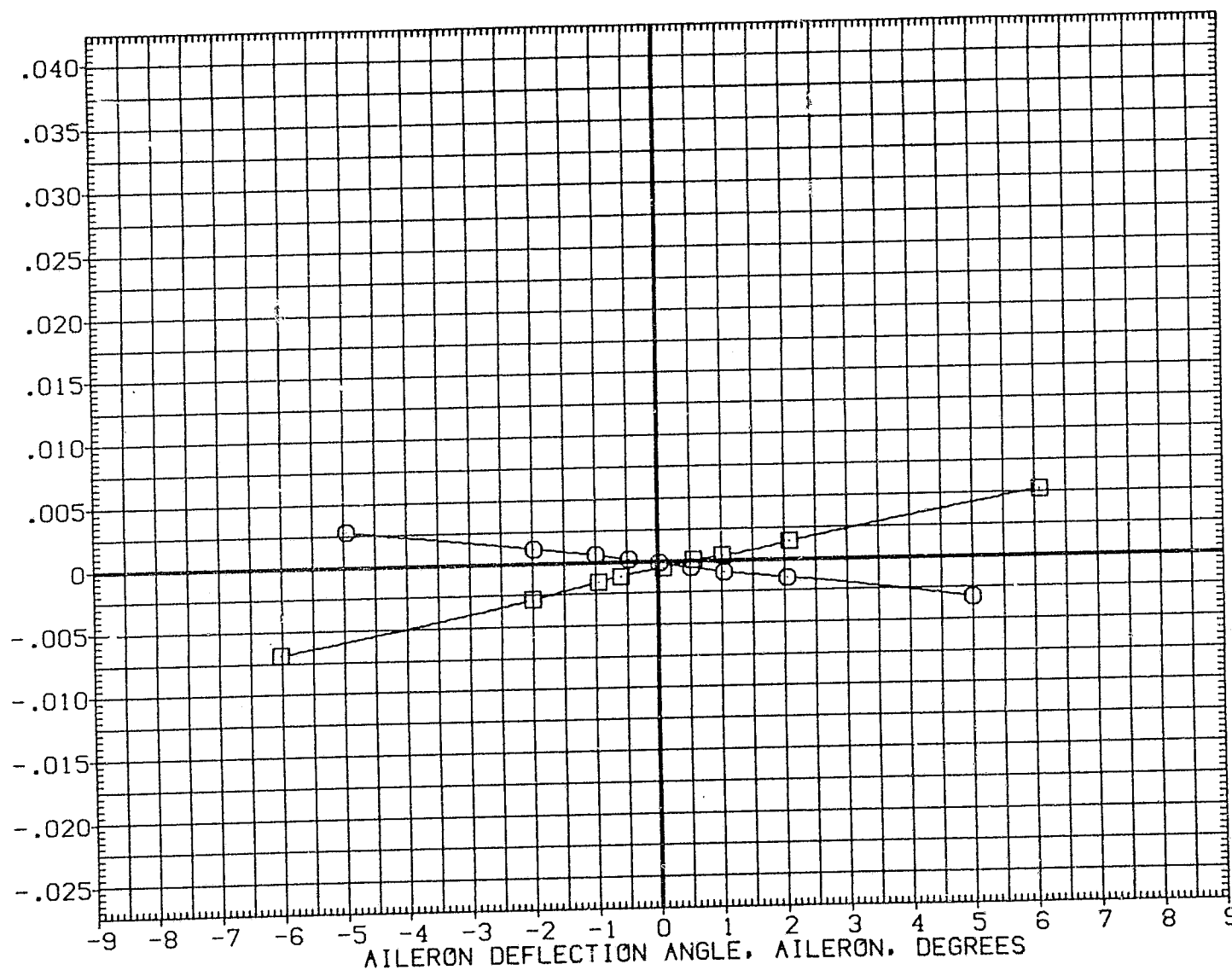


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(YJ3073)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3C75)	□	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
12.000	1.200	10.000
13.000	1.200	-10.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

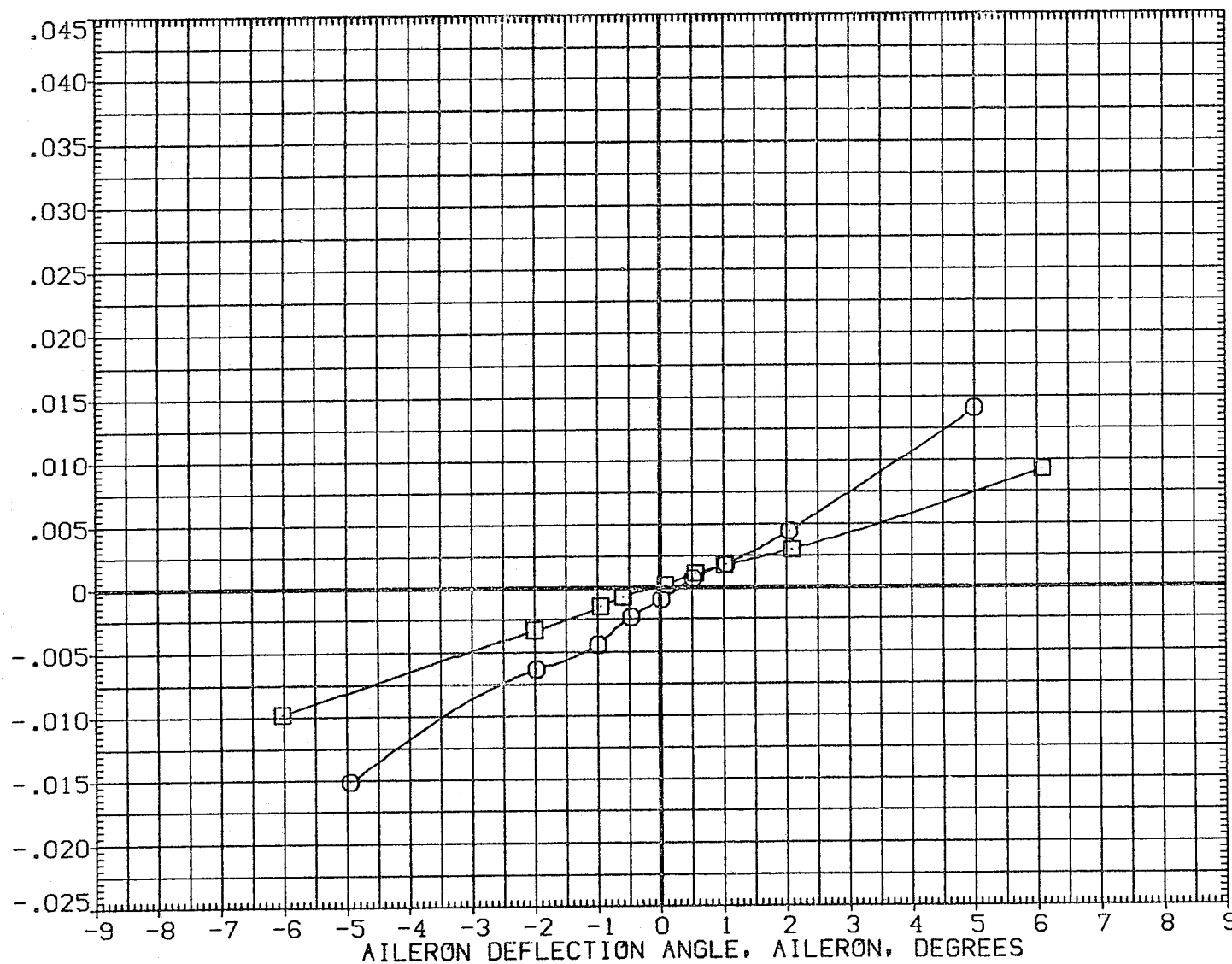


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3B75) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
 13.000 .980 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

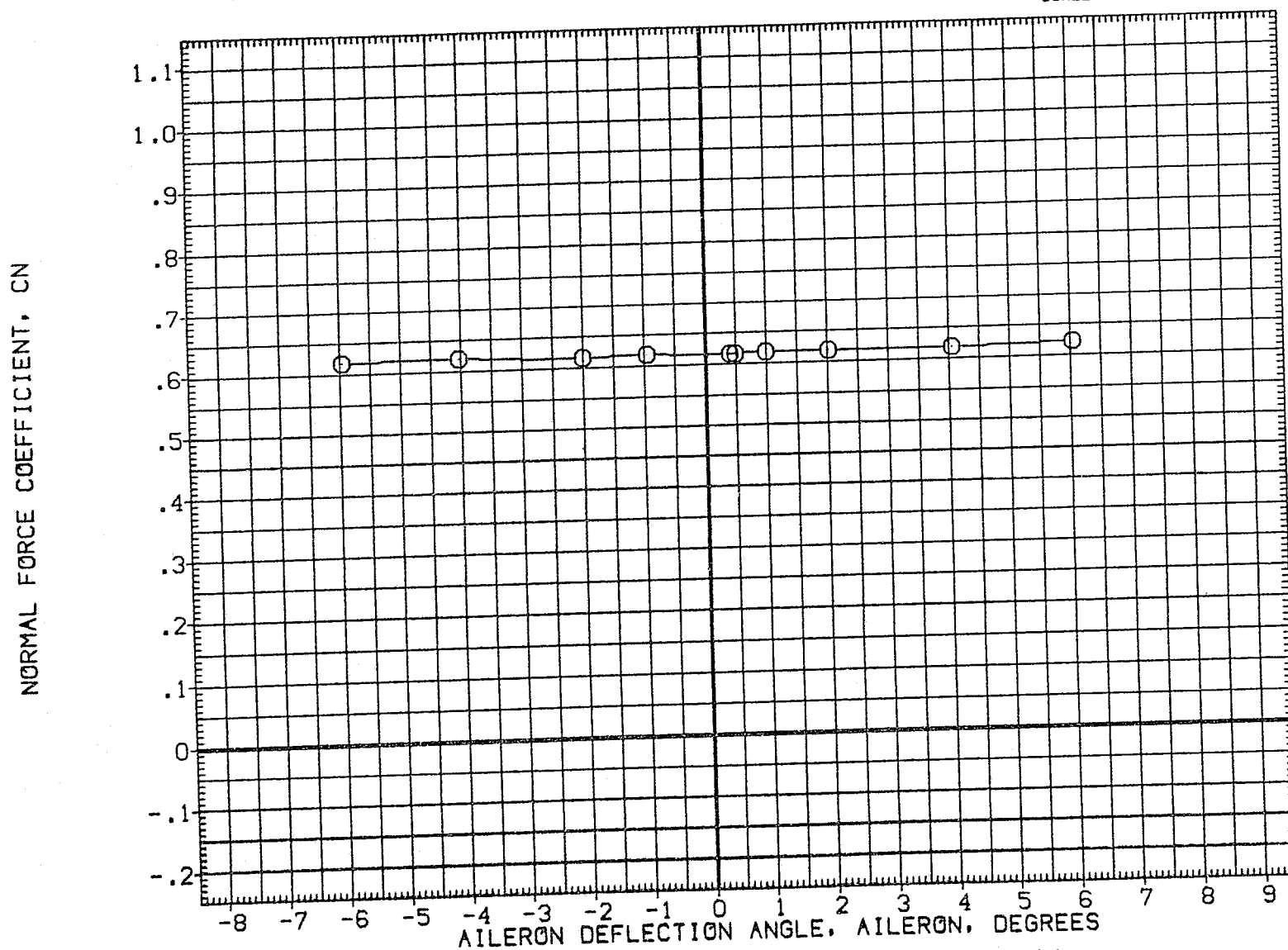


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(XJ3B73) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ. FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

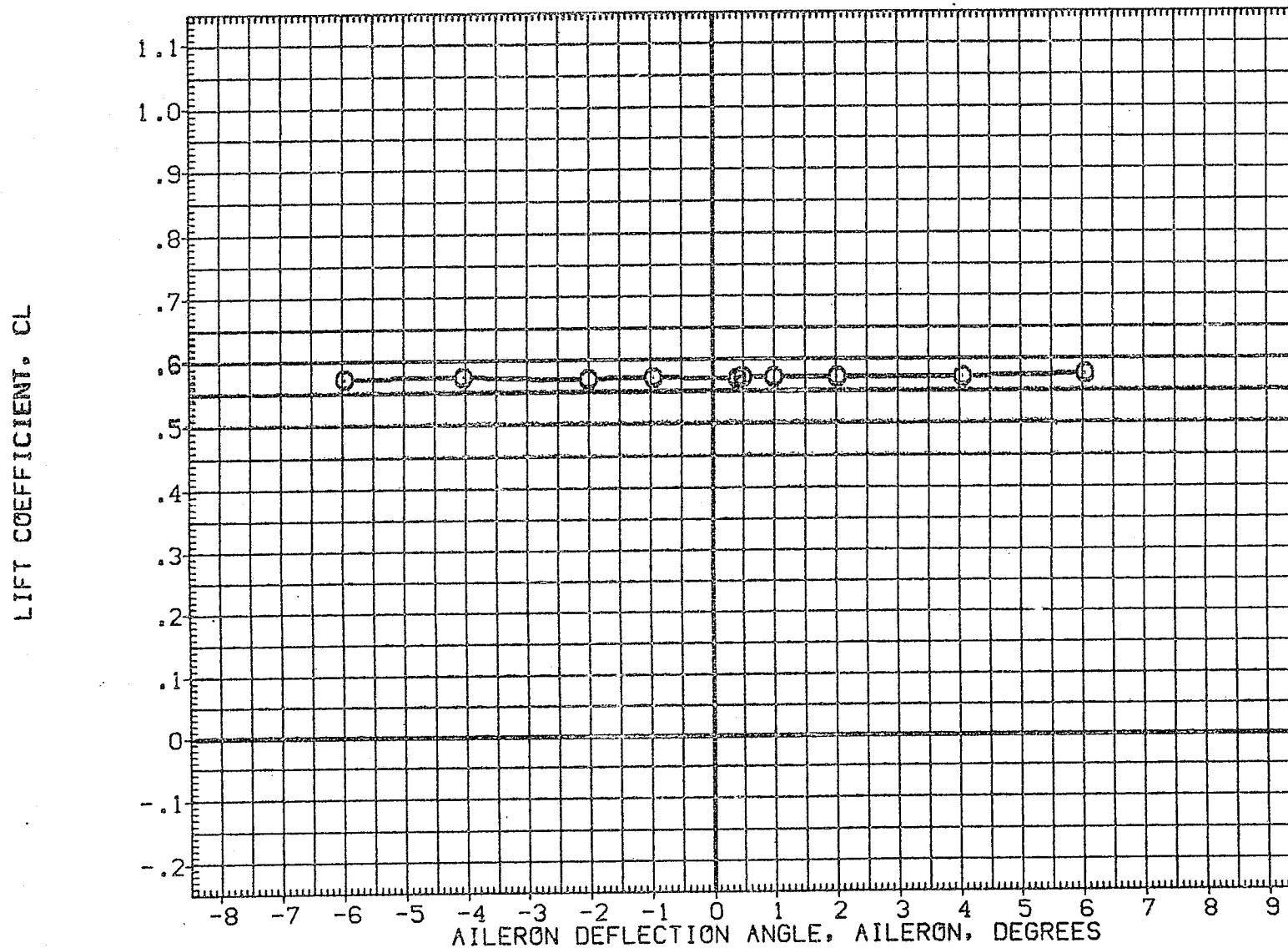


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(XJ3875) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

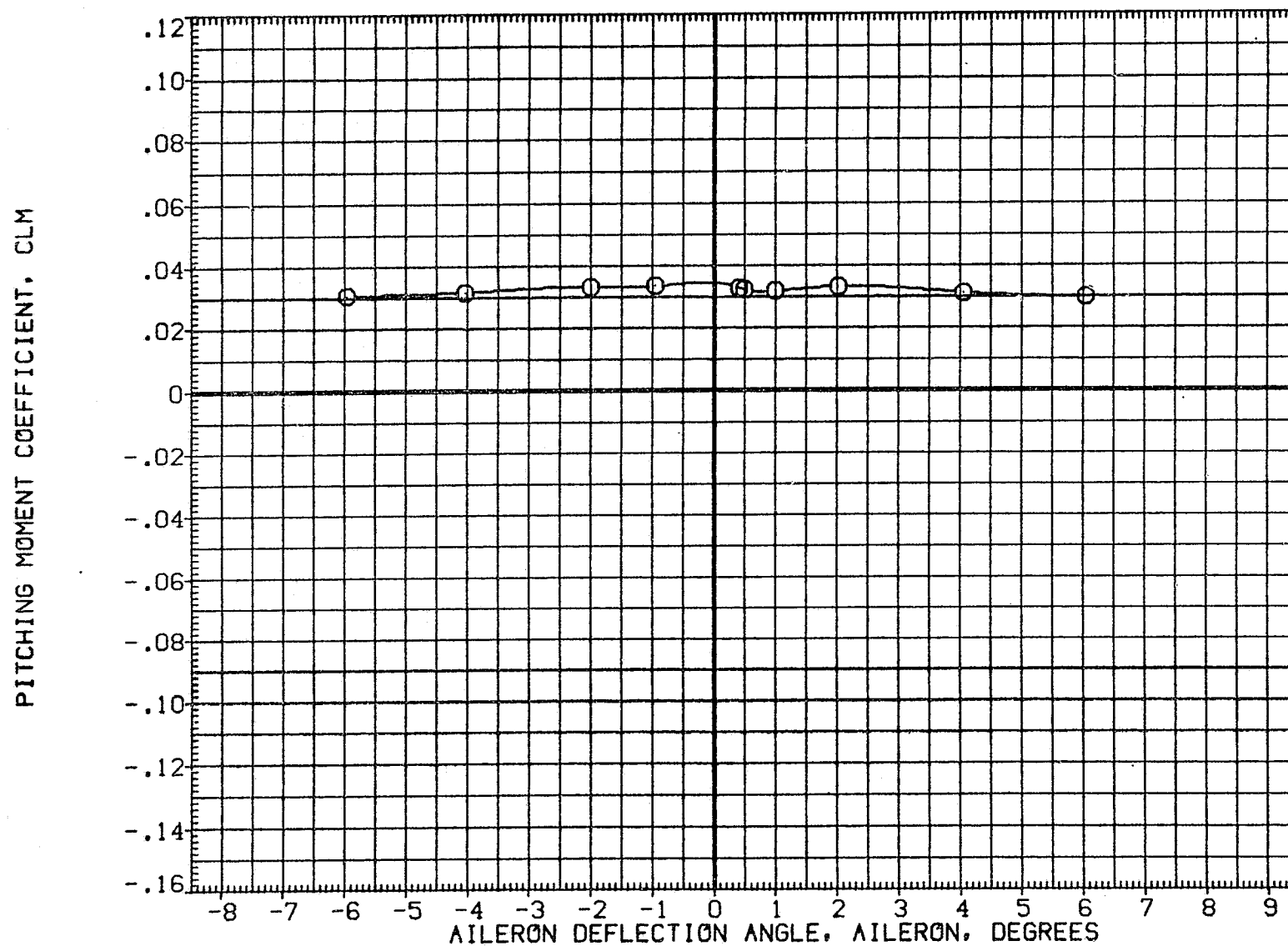


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3B75) O LARC BFT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
 13.000 .980 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

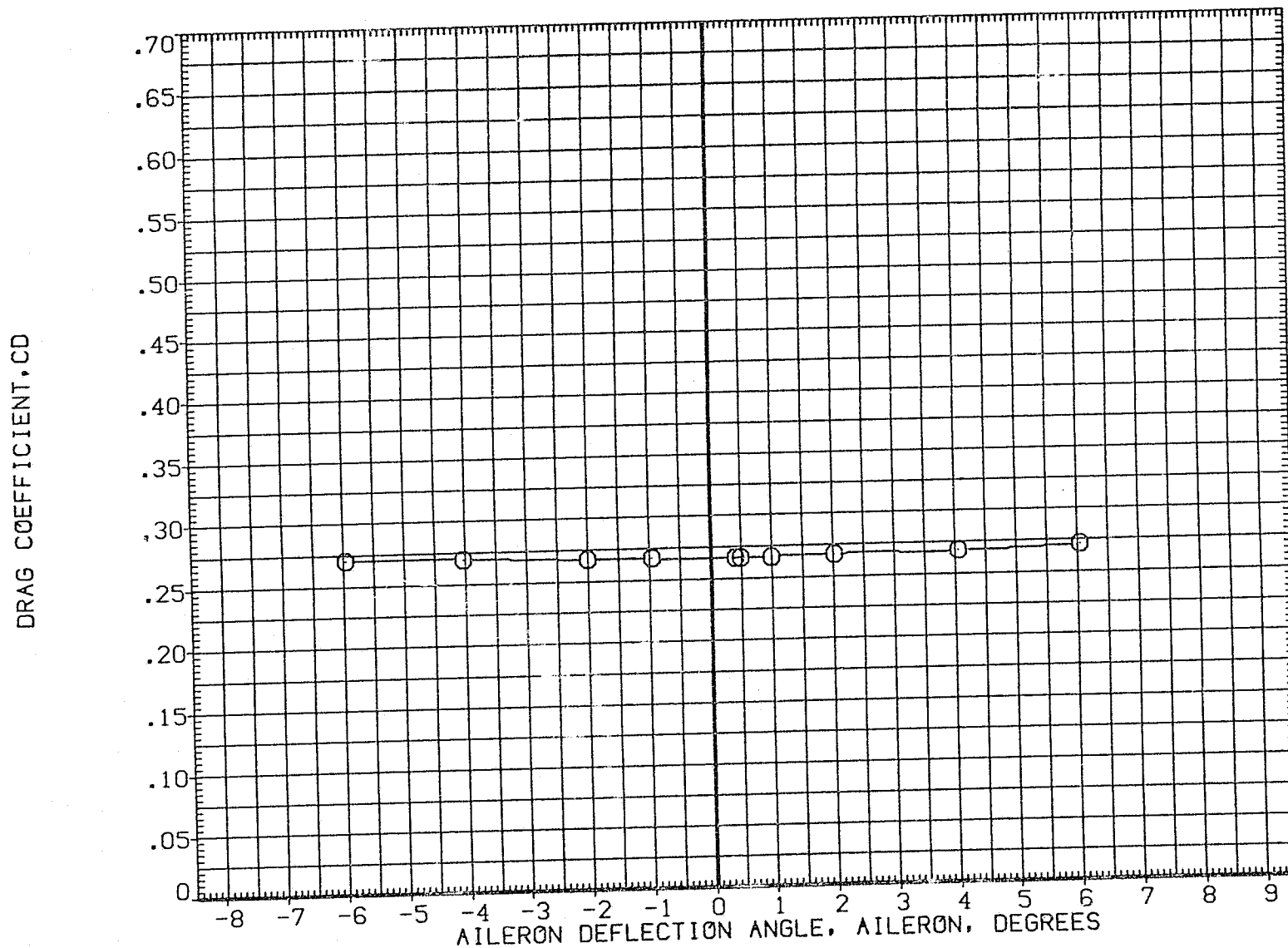


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(XJ3B75) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

AXIAL FORCE COEFFICIENT, CA

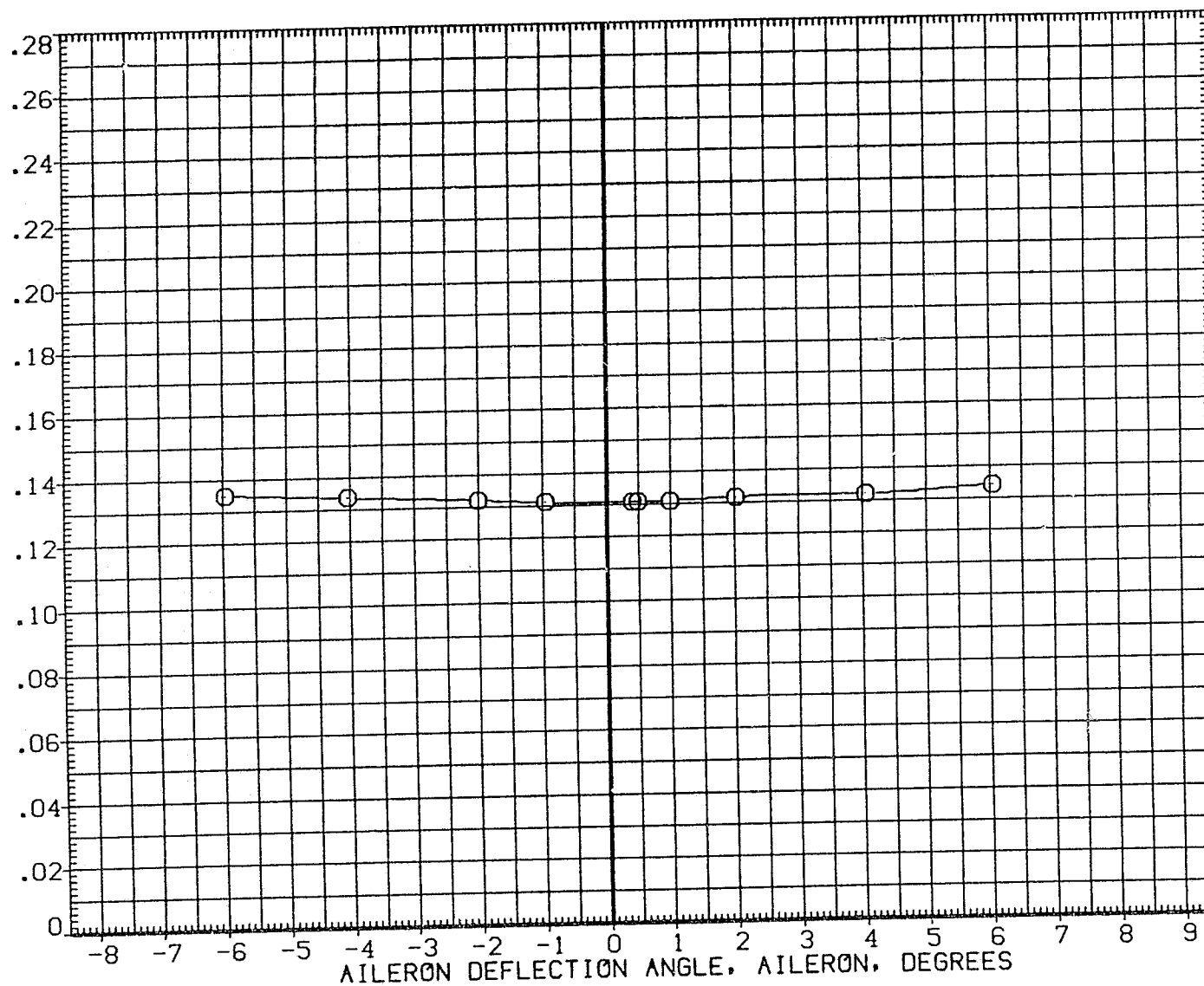


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(XJ3875) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

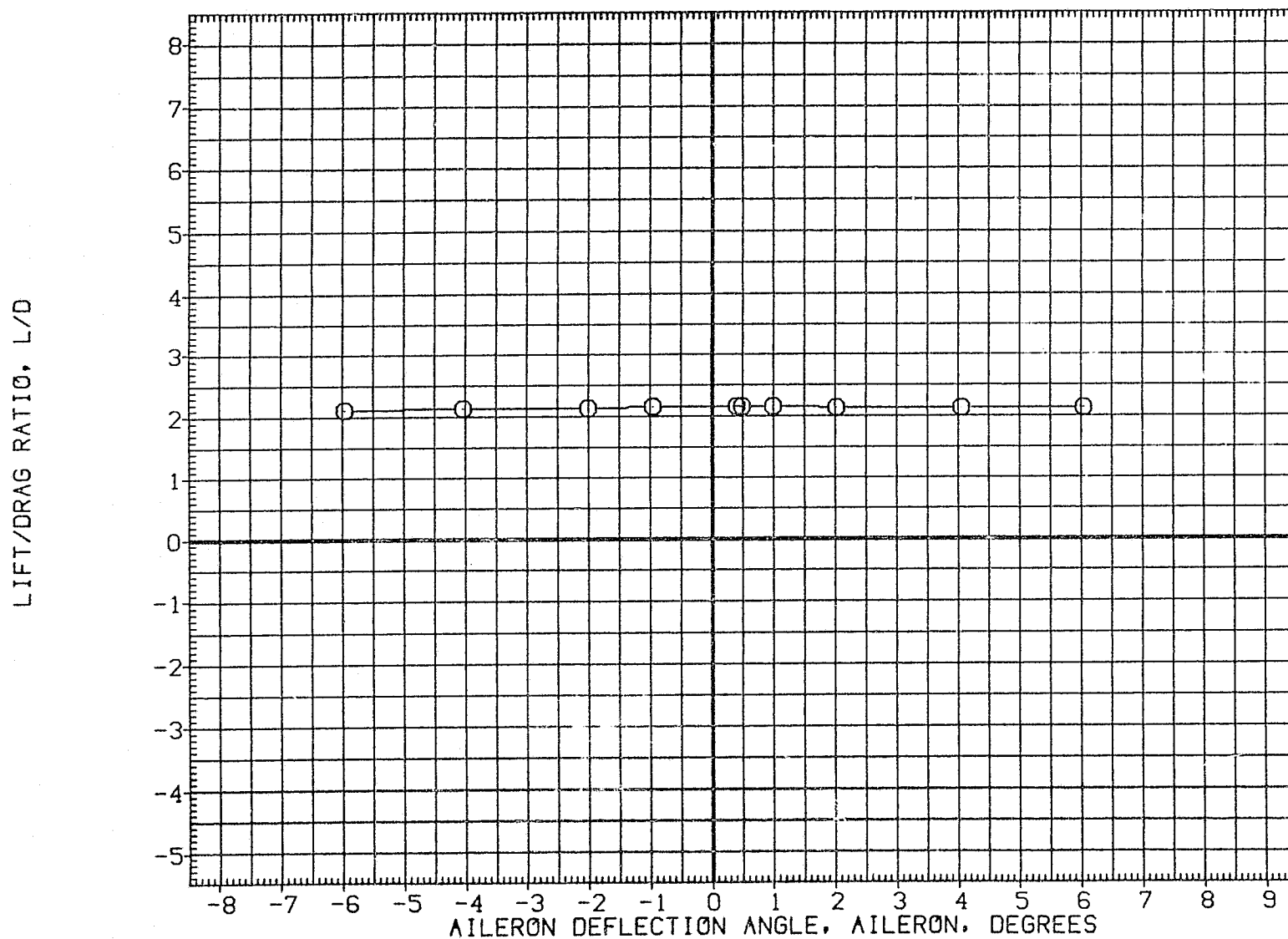


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(XJ3975) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. XO
YMRP .0000 IN. YO
ZMRP 375.0000 IN. ZO
SCALE .0150

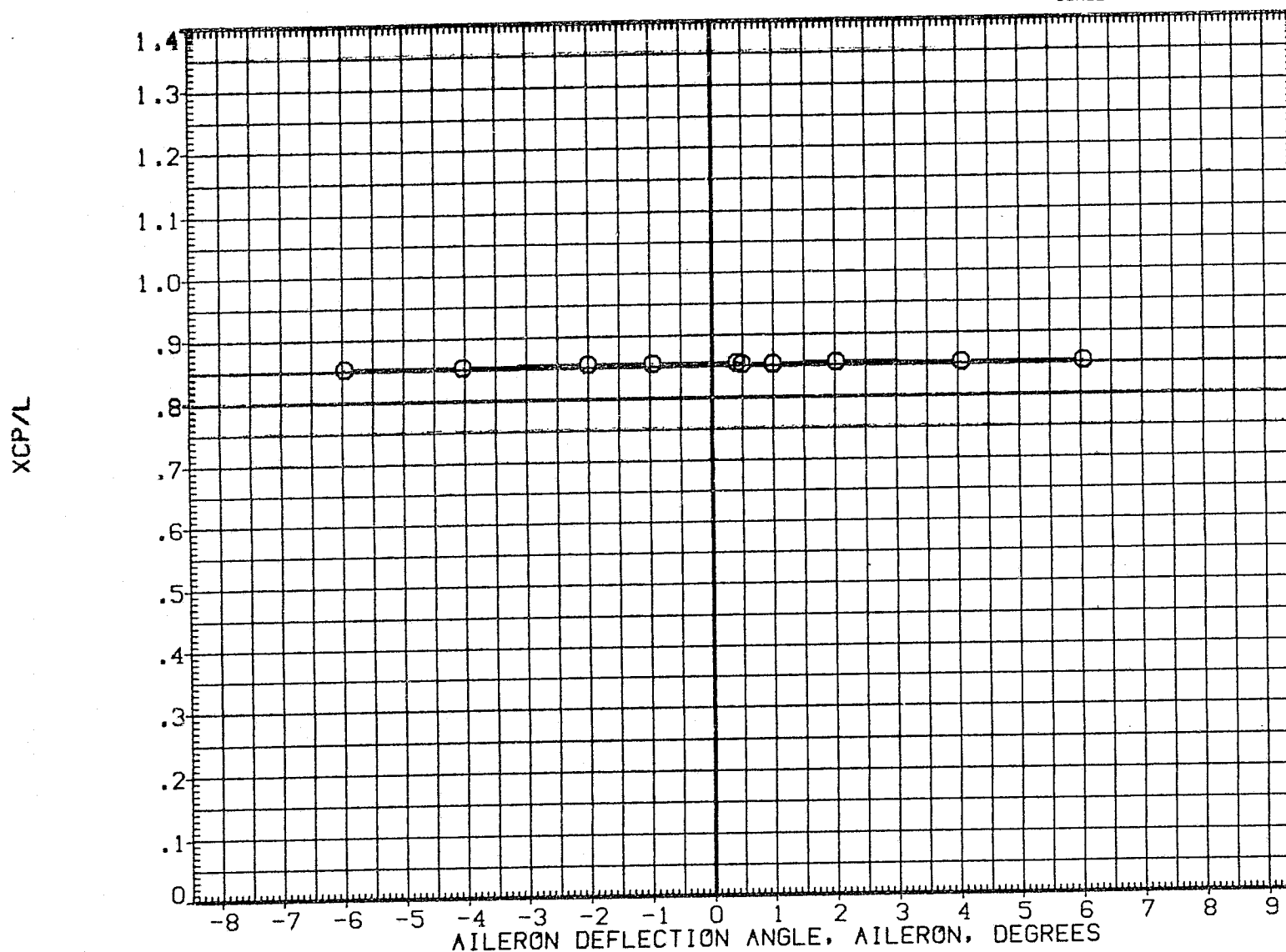


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (YJ3875) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
 13.000 .980 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

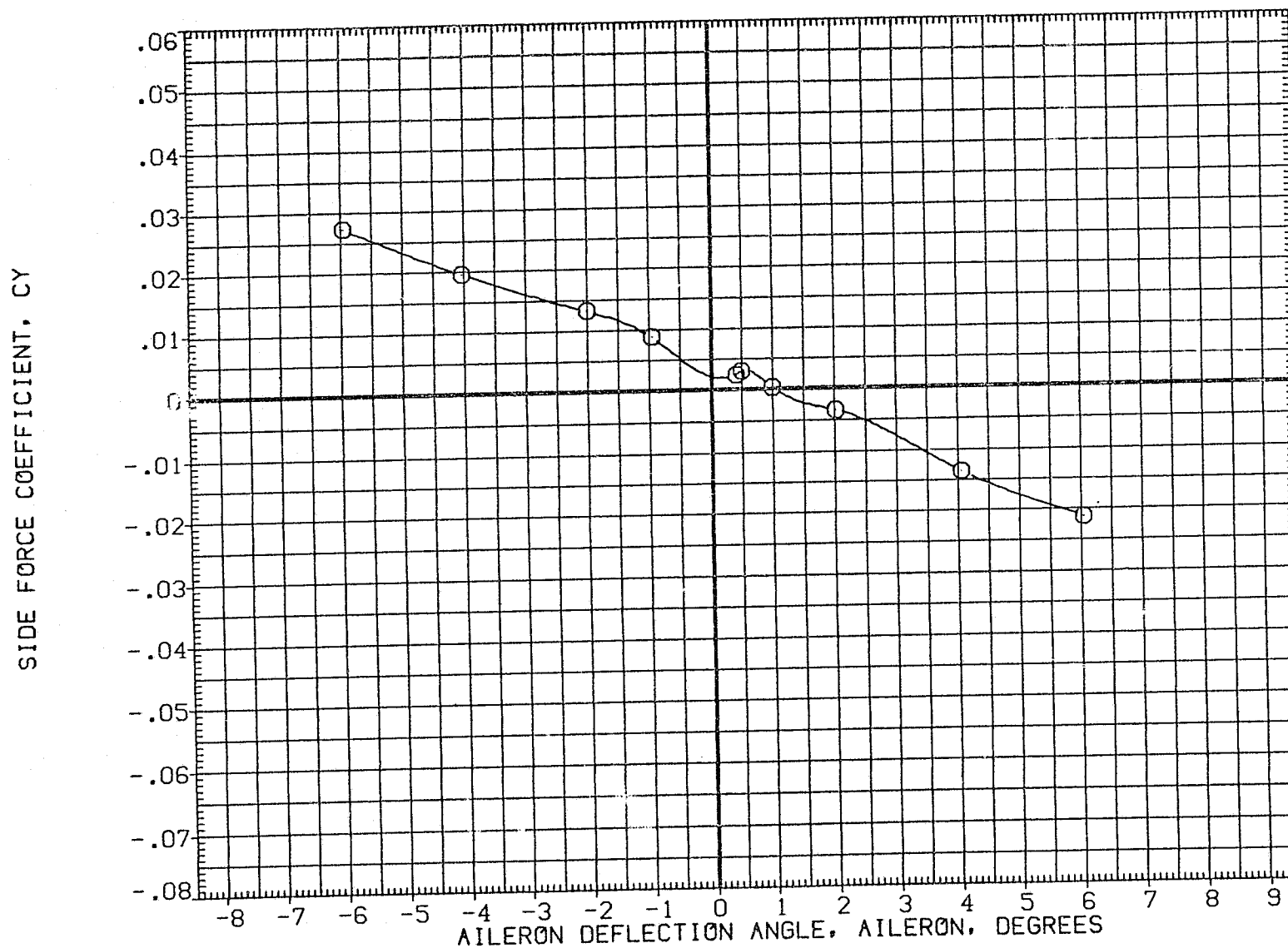


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(YJ3B75) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ. FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

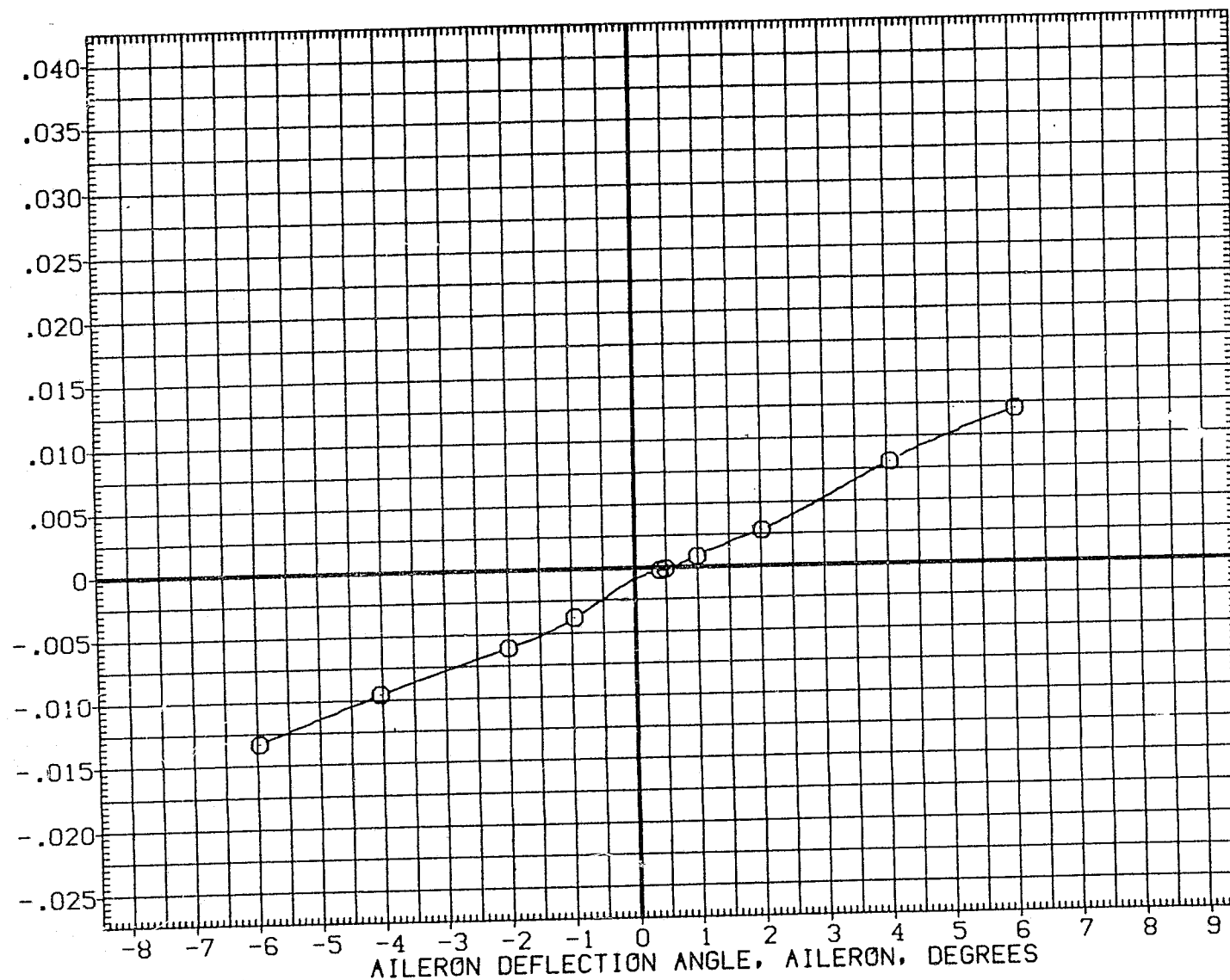


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .98

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(YJ3875) ○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
13.000 .980 -10.000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 474.8000 INCHES
BREF 936.6800 INCHES
XMRP 1076.7000 IN. X0
YMRP .0000 IN. Y0
ZMRP 375.0000 IN. Z0
SCALE .0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

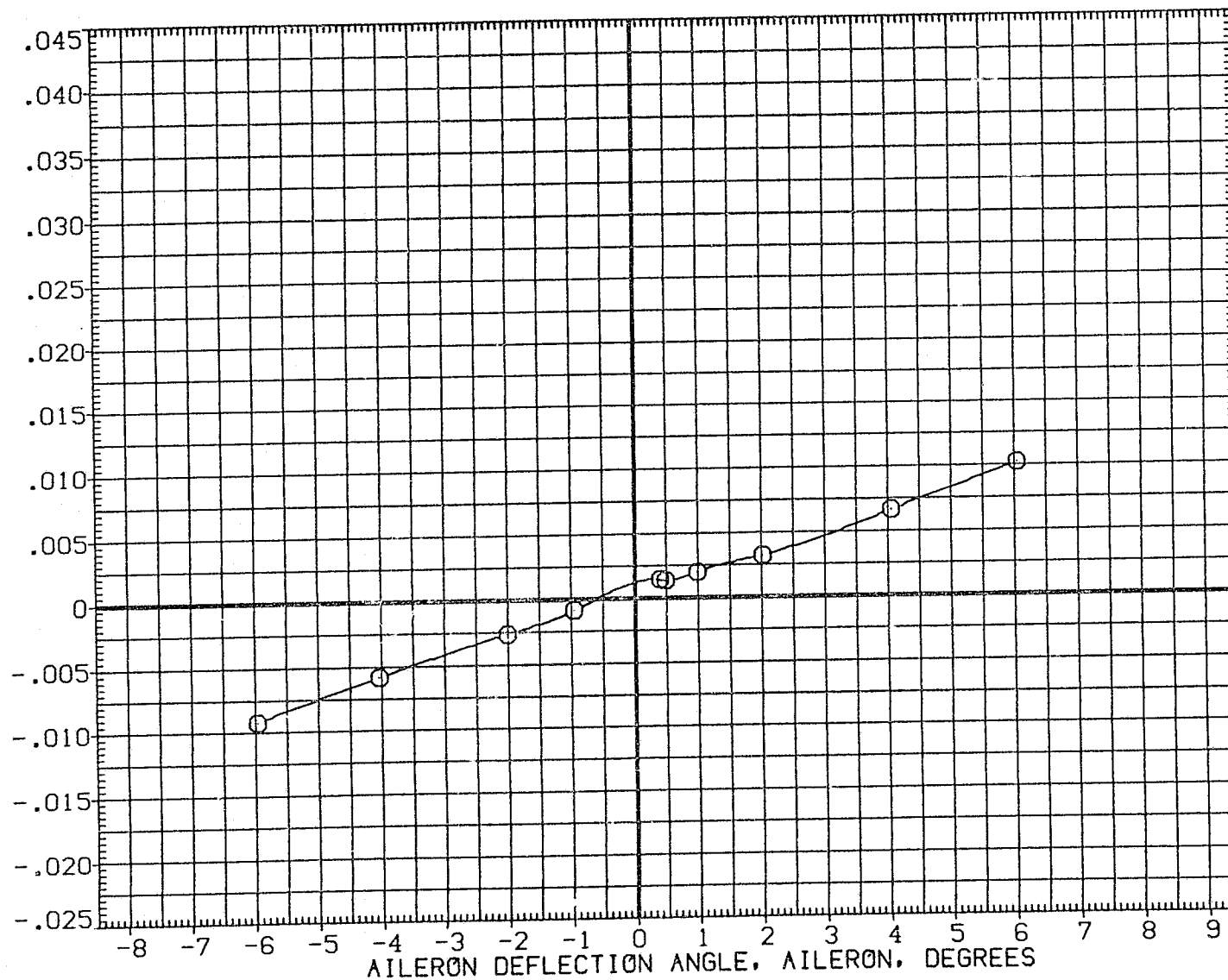


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .98

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

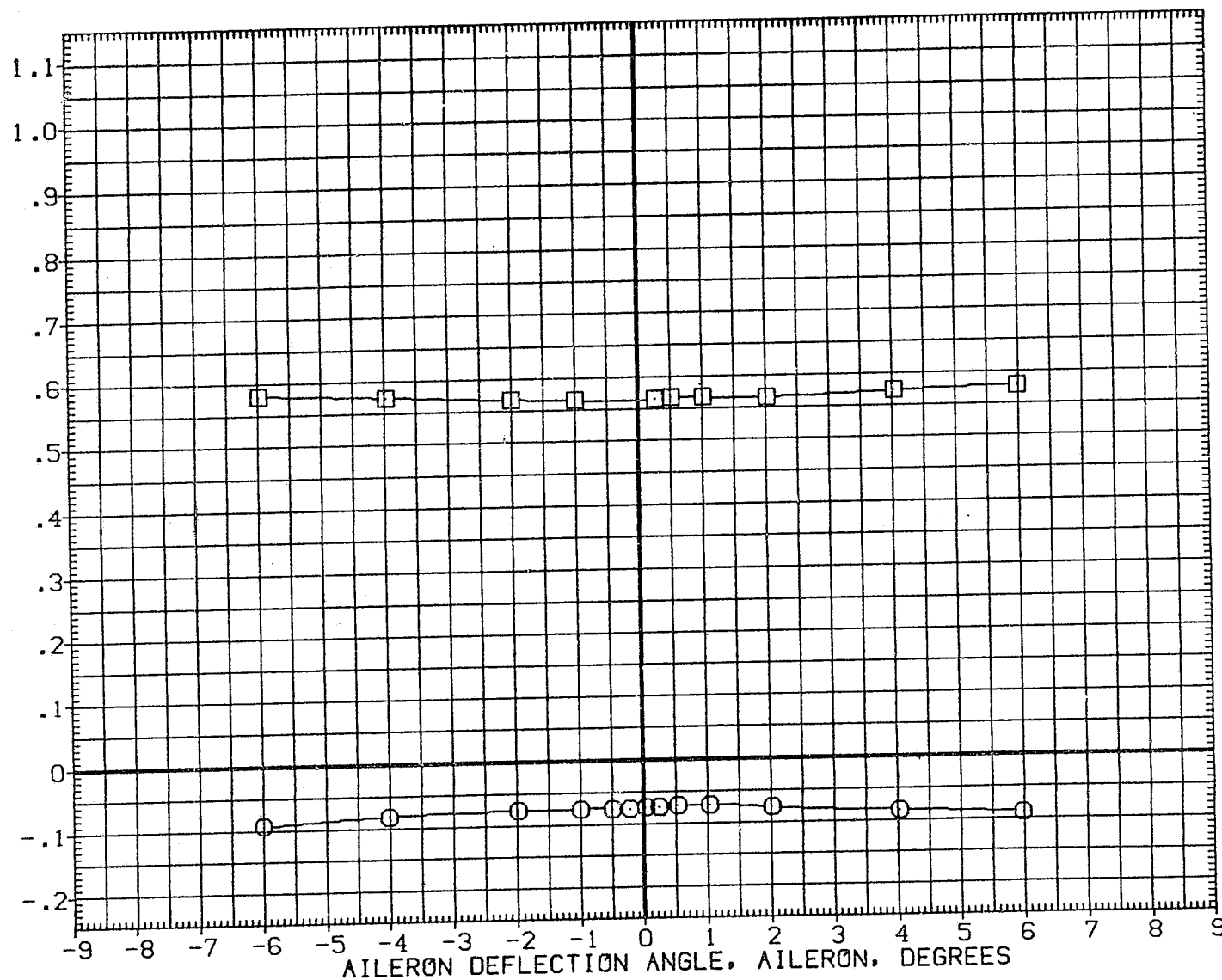


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

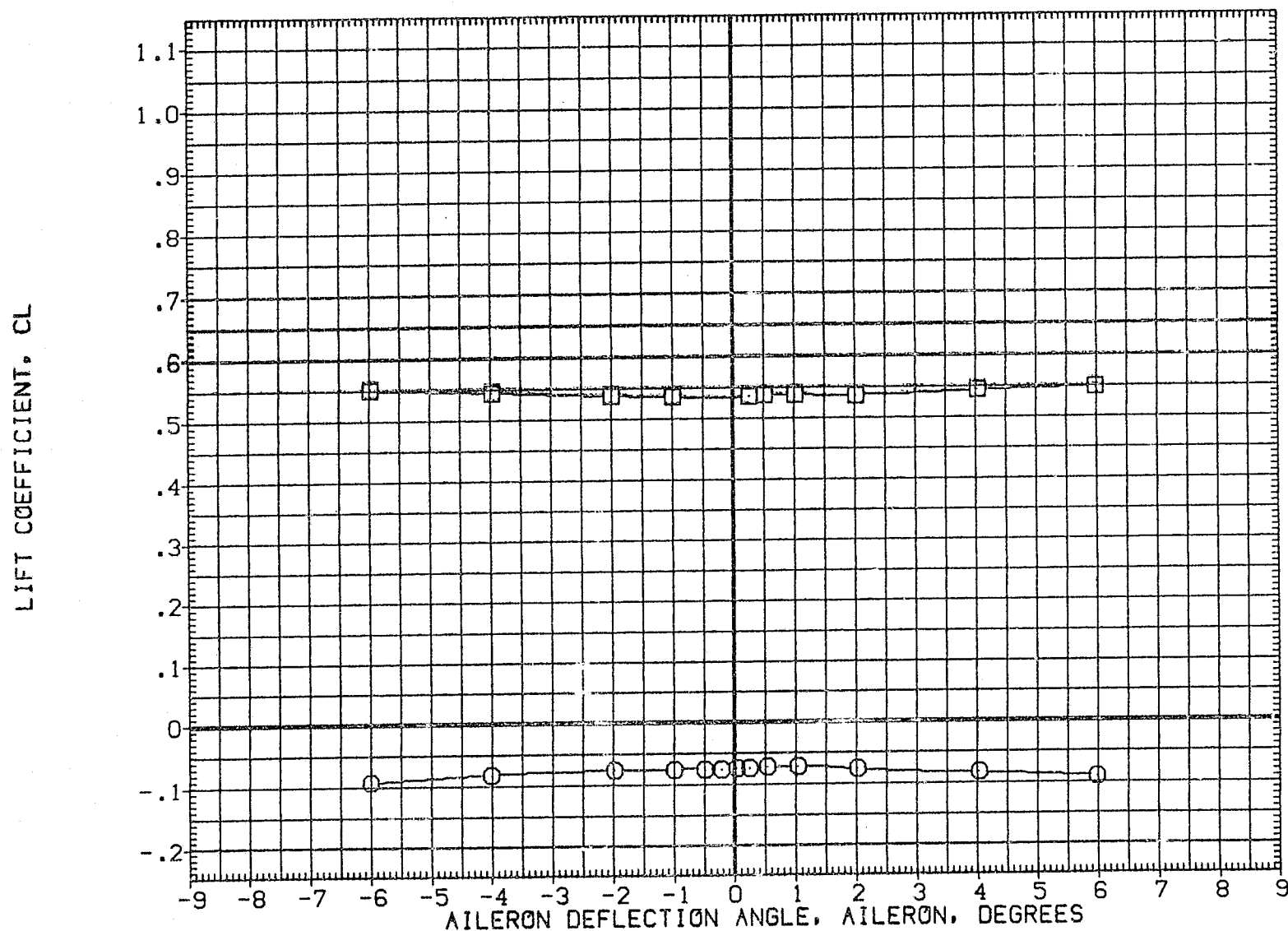


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3058)  LARC 8FT TPT 717(LA-82) 140C ORBITER
 (XJ3070)  LARC 8FT TPT 717(LA-82) 140C ORBITER

ALPHA MACH ELEVON
 .000 .950 .000
 11.000 .950 .000

REFERENCE INFORMATION
 SREF 2890.0000 SQ. FT.
 LREF 474.8000 INCHES
 SREF 938.8800 INCHES
 XMRP 1078.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

PITCHING MOMENT COEFFICIENT, CLM

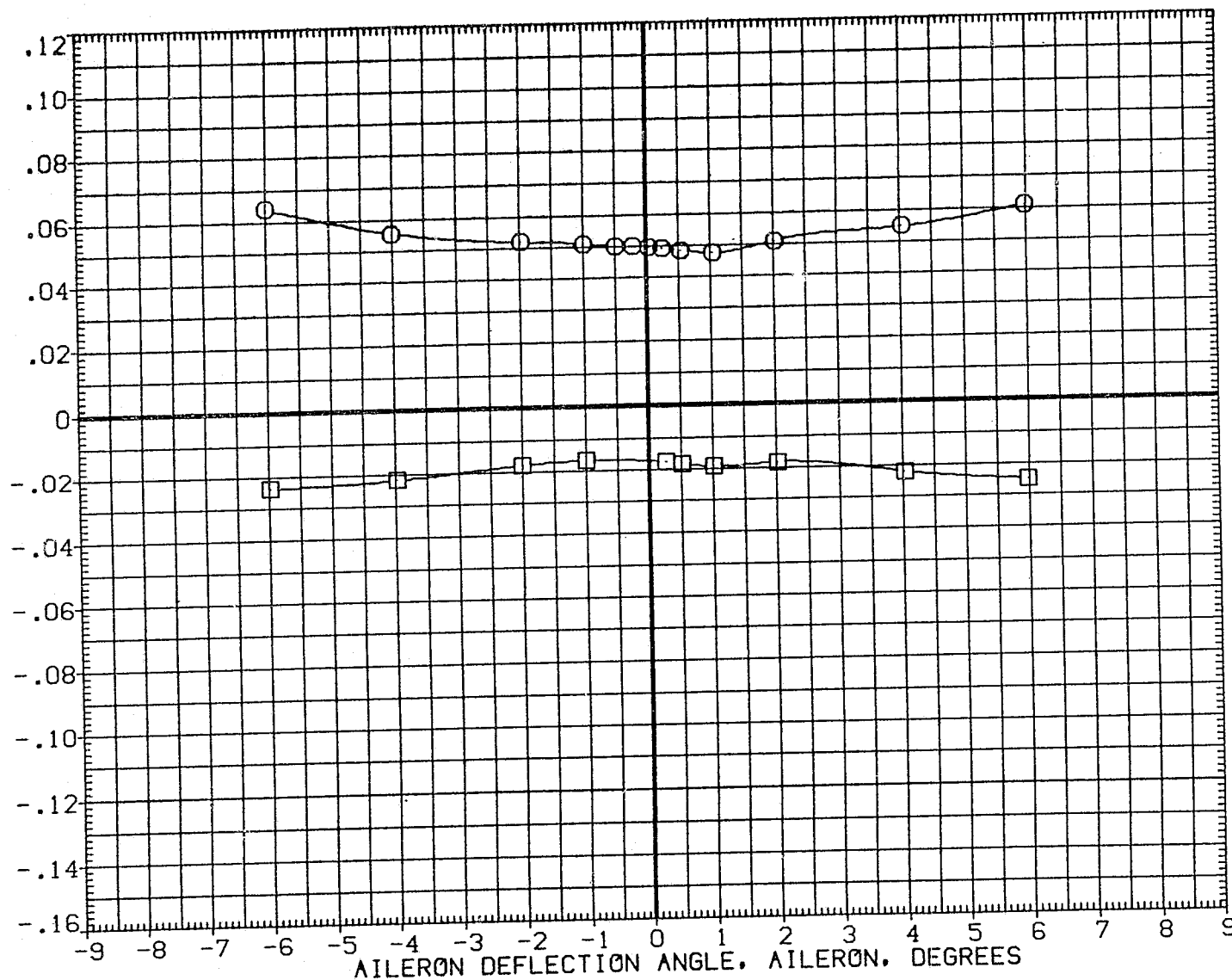


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SG.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

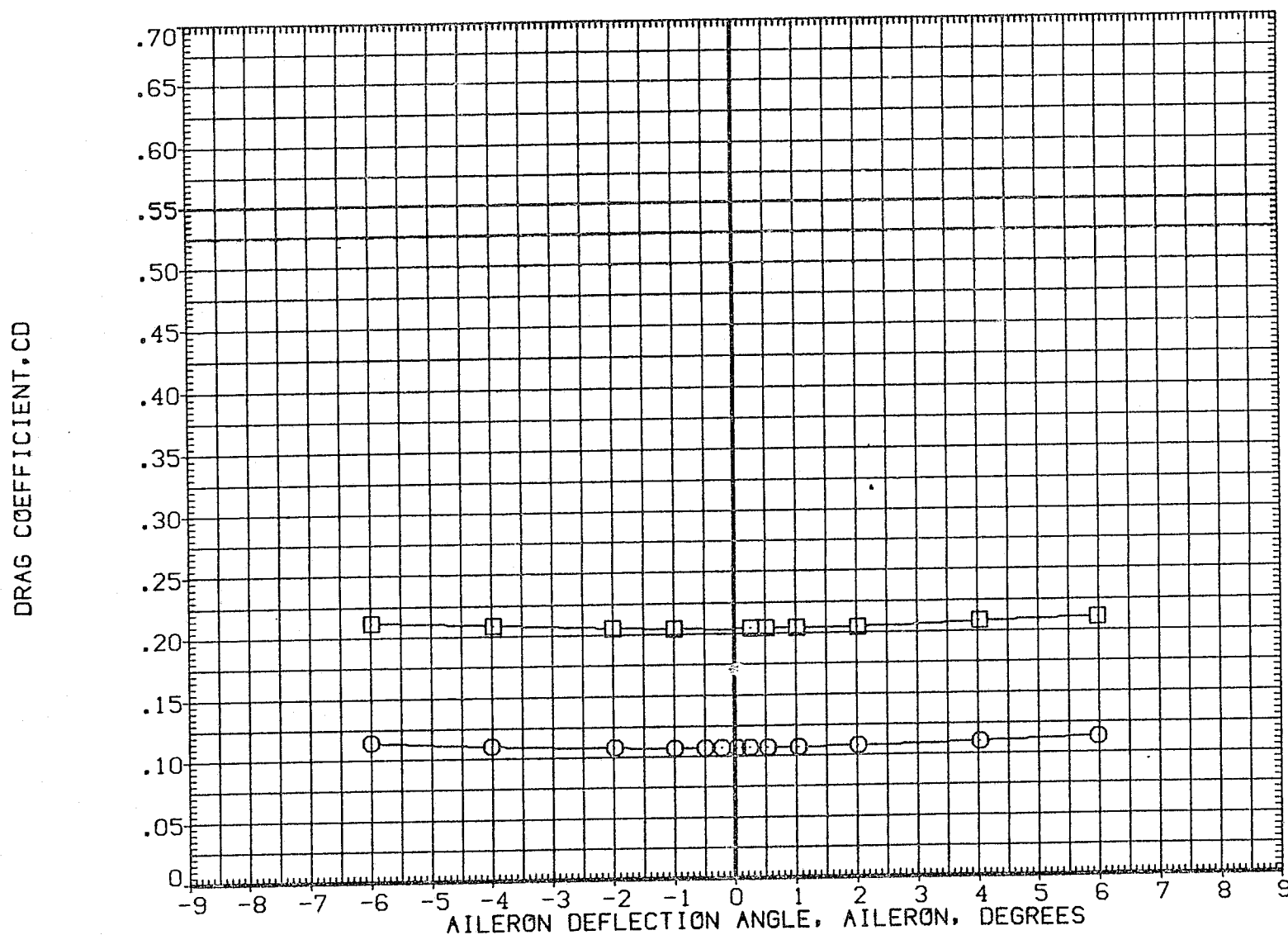


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

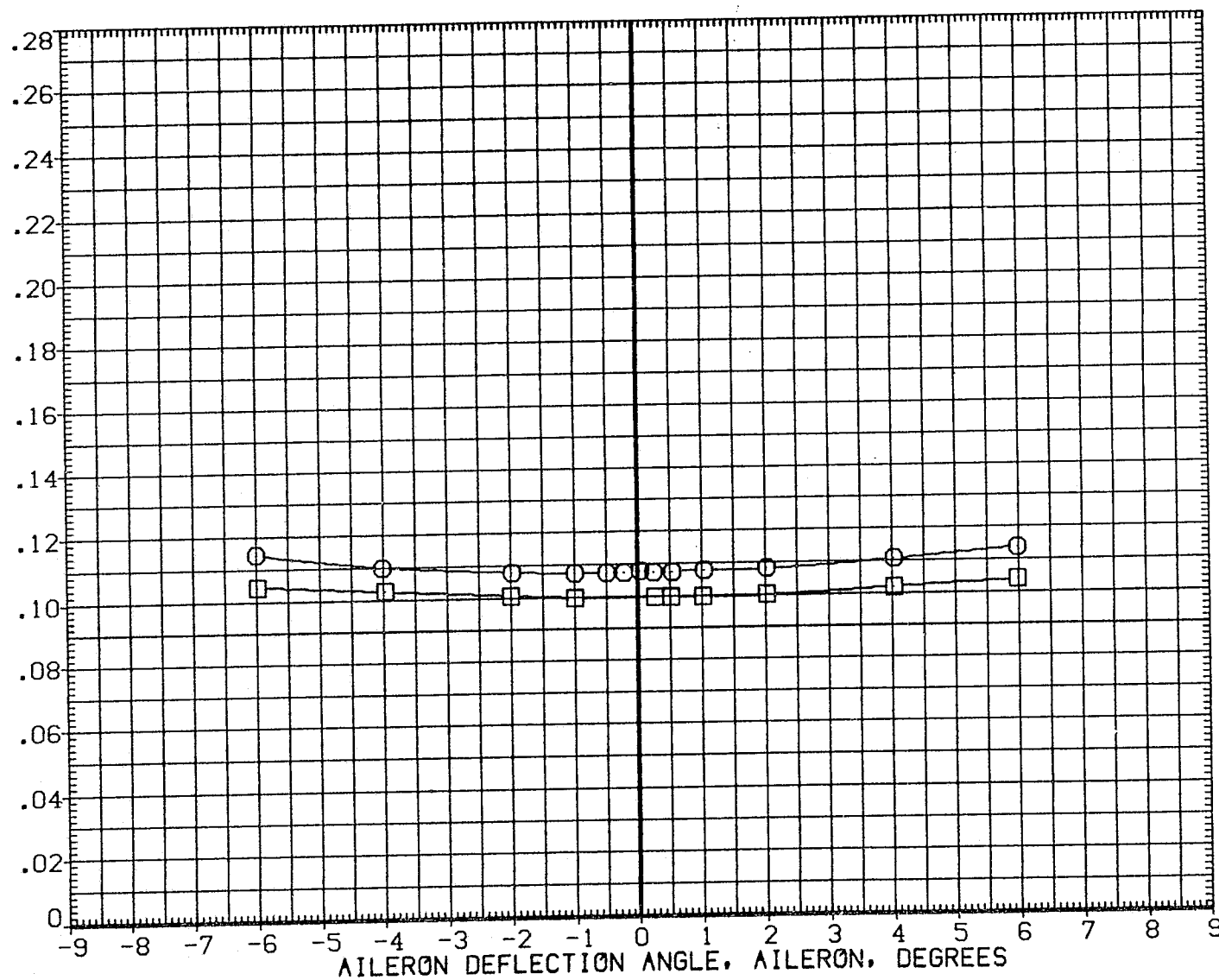


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

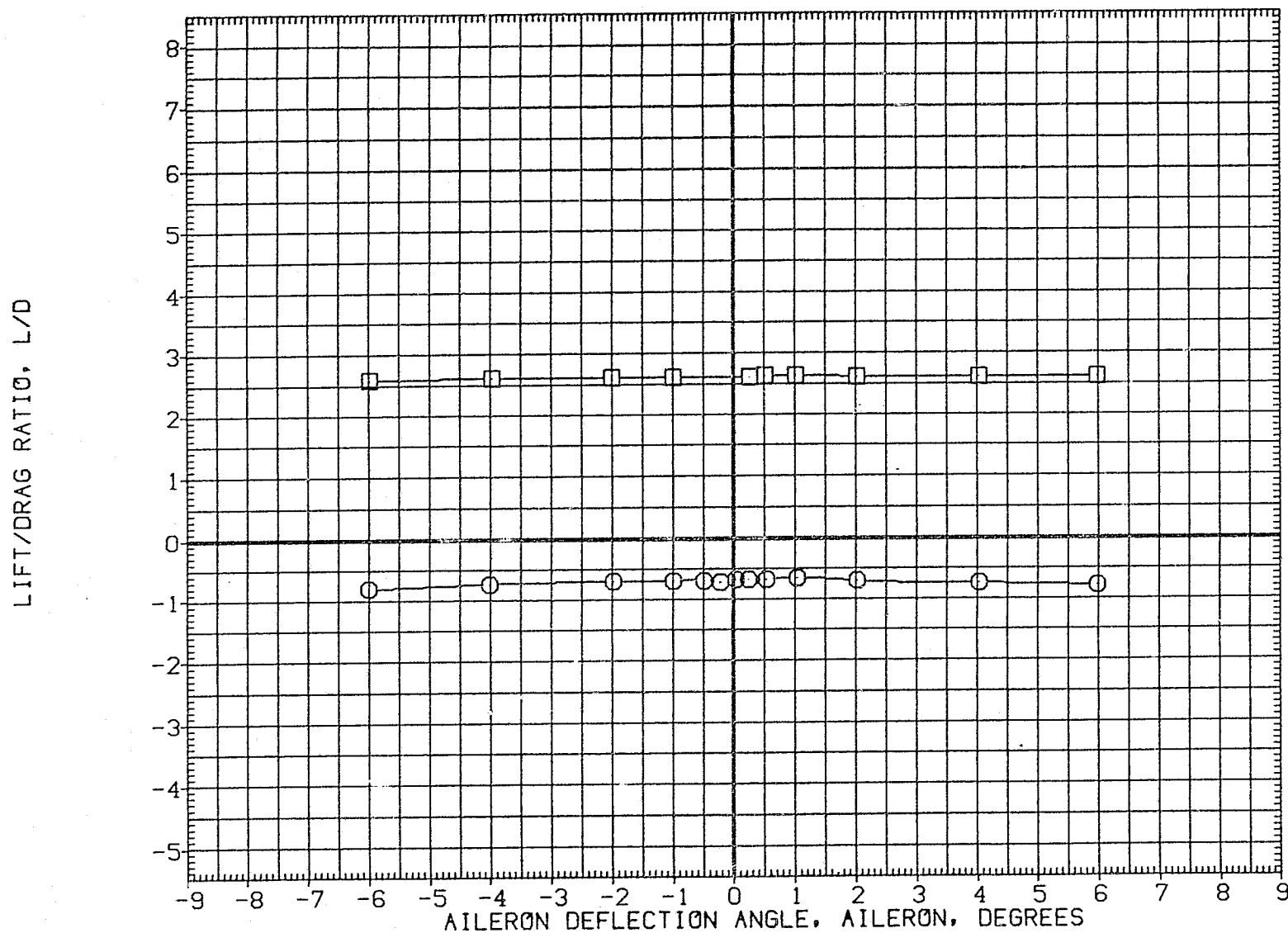


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3058) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3070) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.850	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	938.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

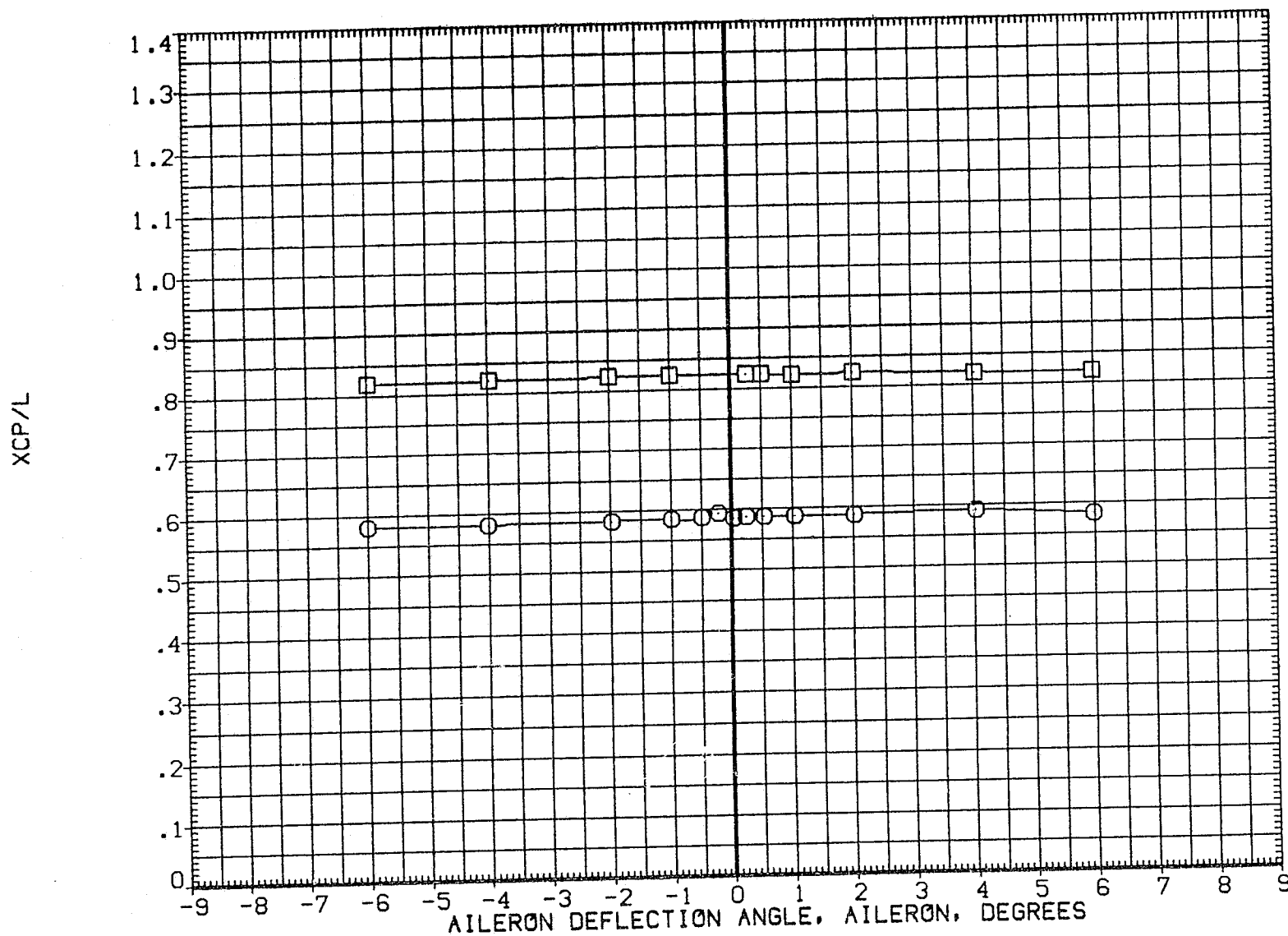


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3058) ○	LARC 8FT TPT 717(LA-82) 140C ORBITER
(YJ3070) □	LARC 8FT TPT 717(LA-82) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

SIDE FORCE COEFFICIENT, CY

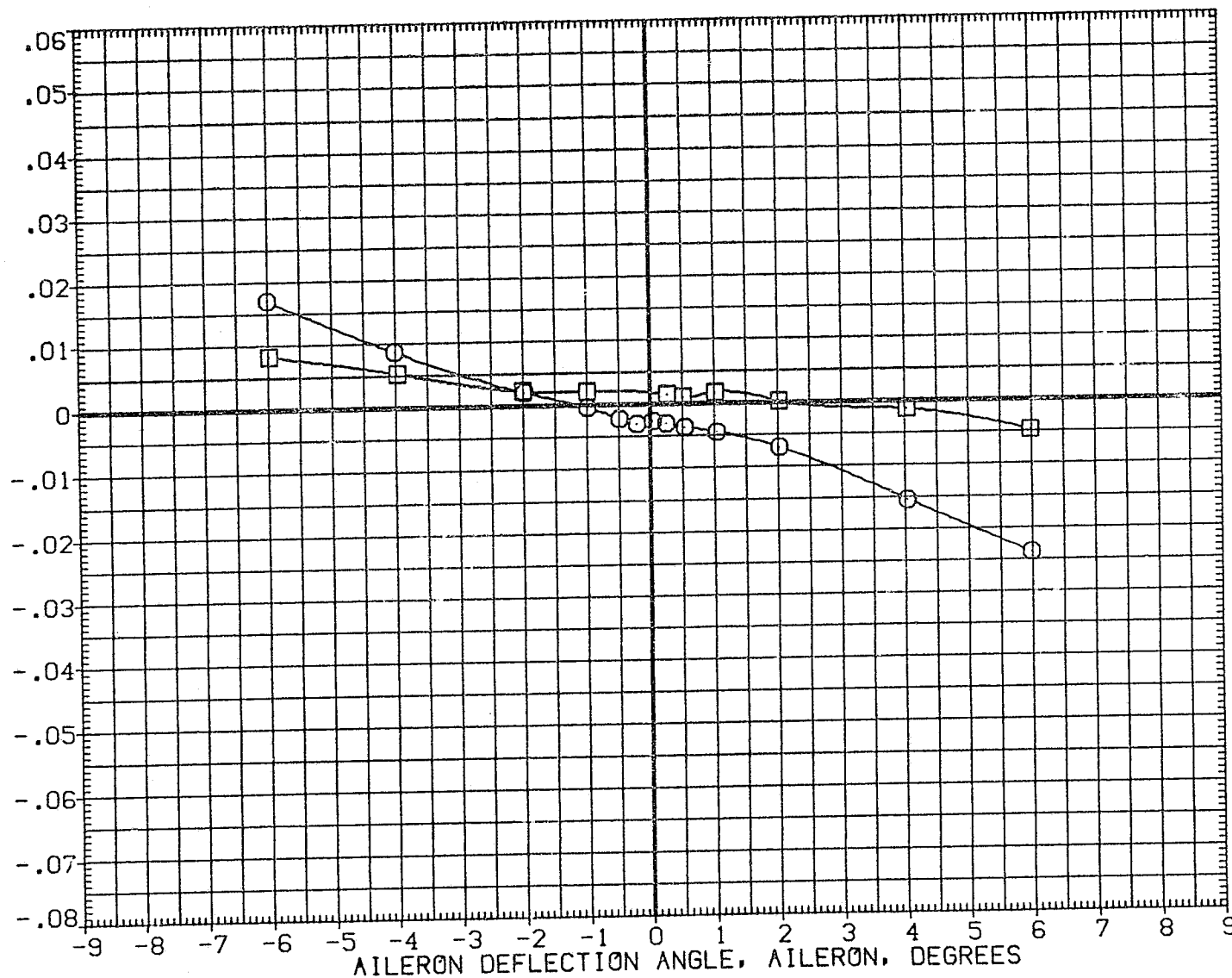


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3058) $\square$	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3070) $\square$	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

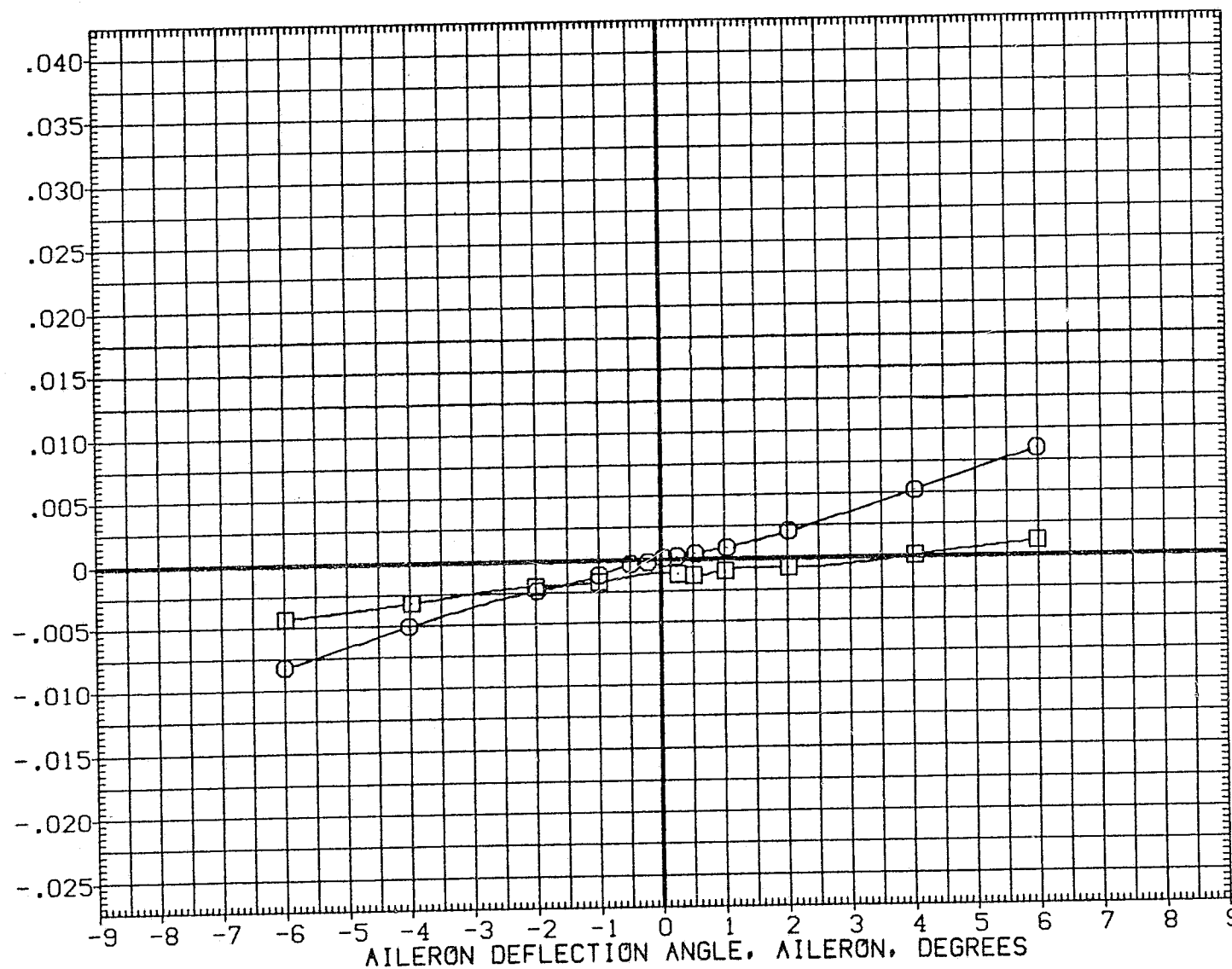


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3058) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3070) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
.000	.950	.000
11.000	.950	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

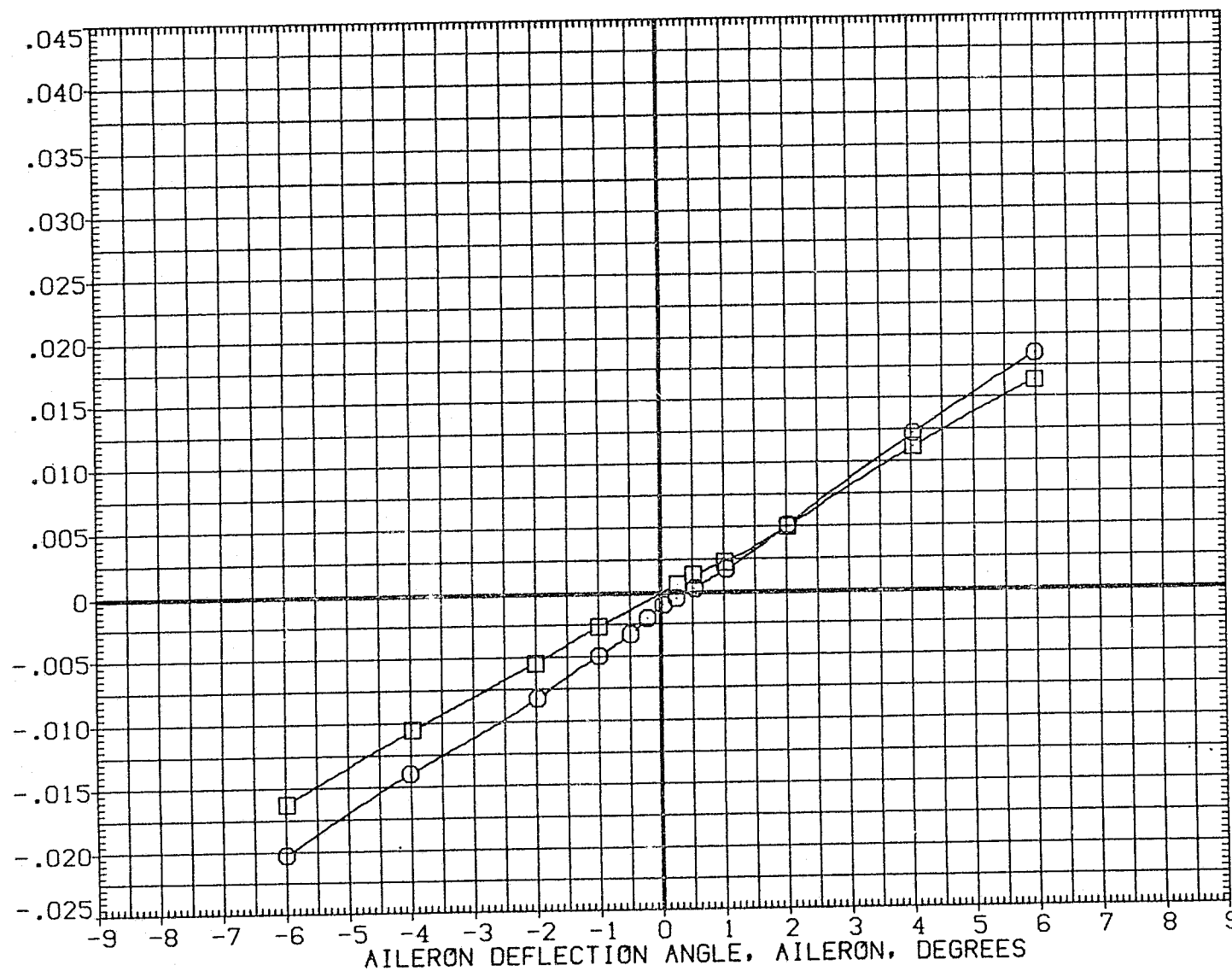


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

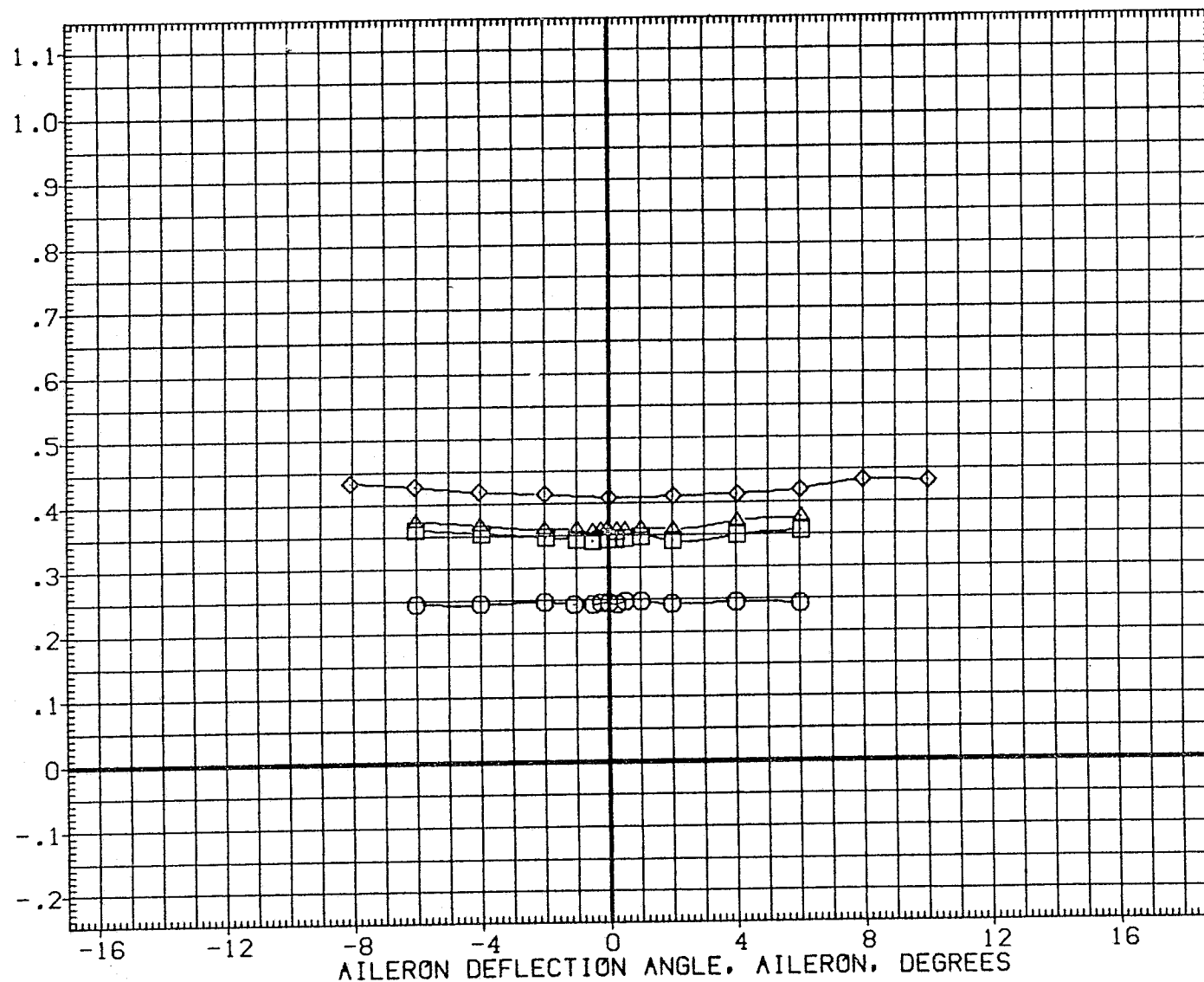


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

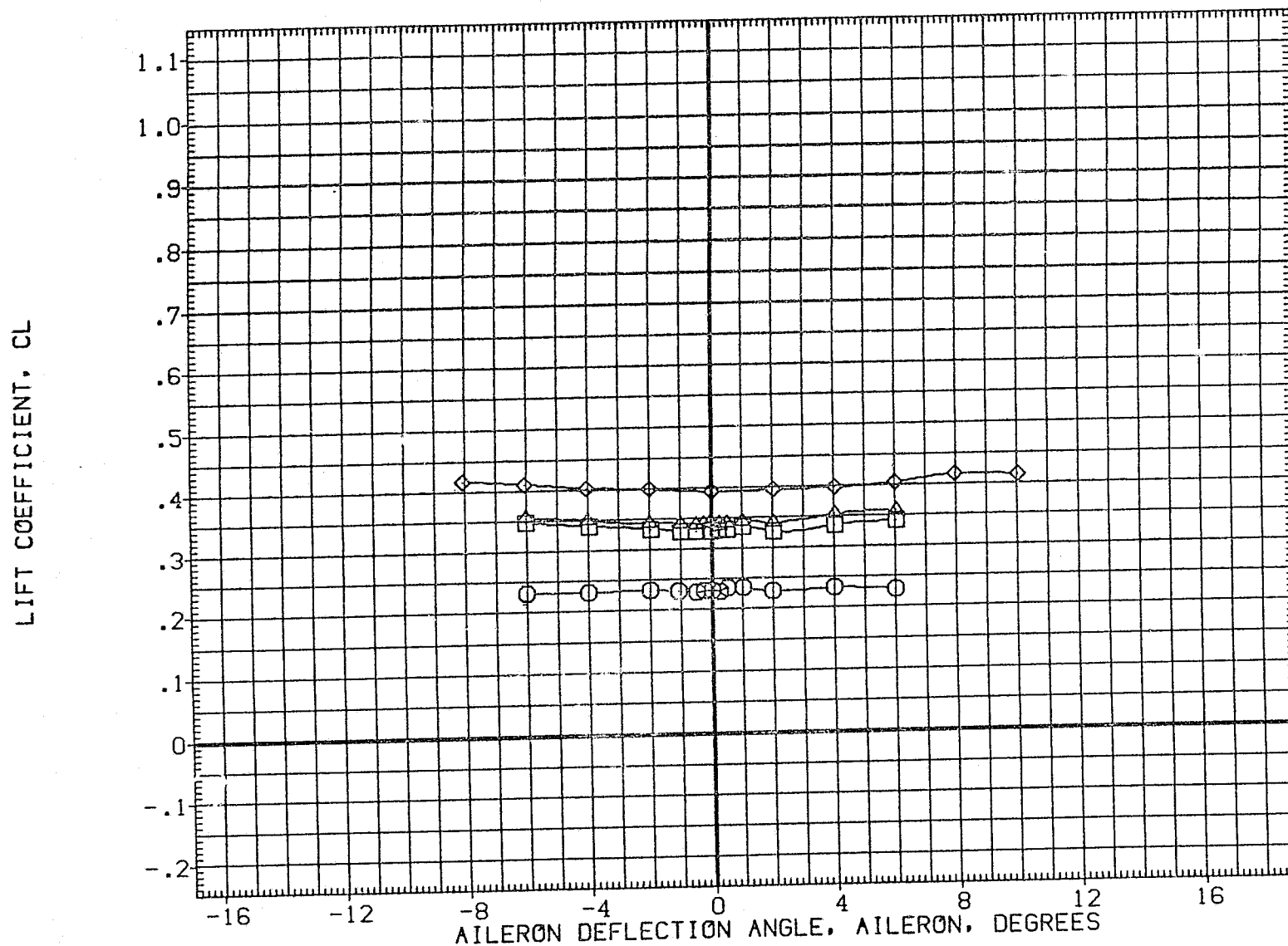


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3084)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A85)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A86)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3089)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.800	-10.000
7.500	.800	.000
7.500	.800	9.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2880.0000	80. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

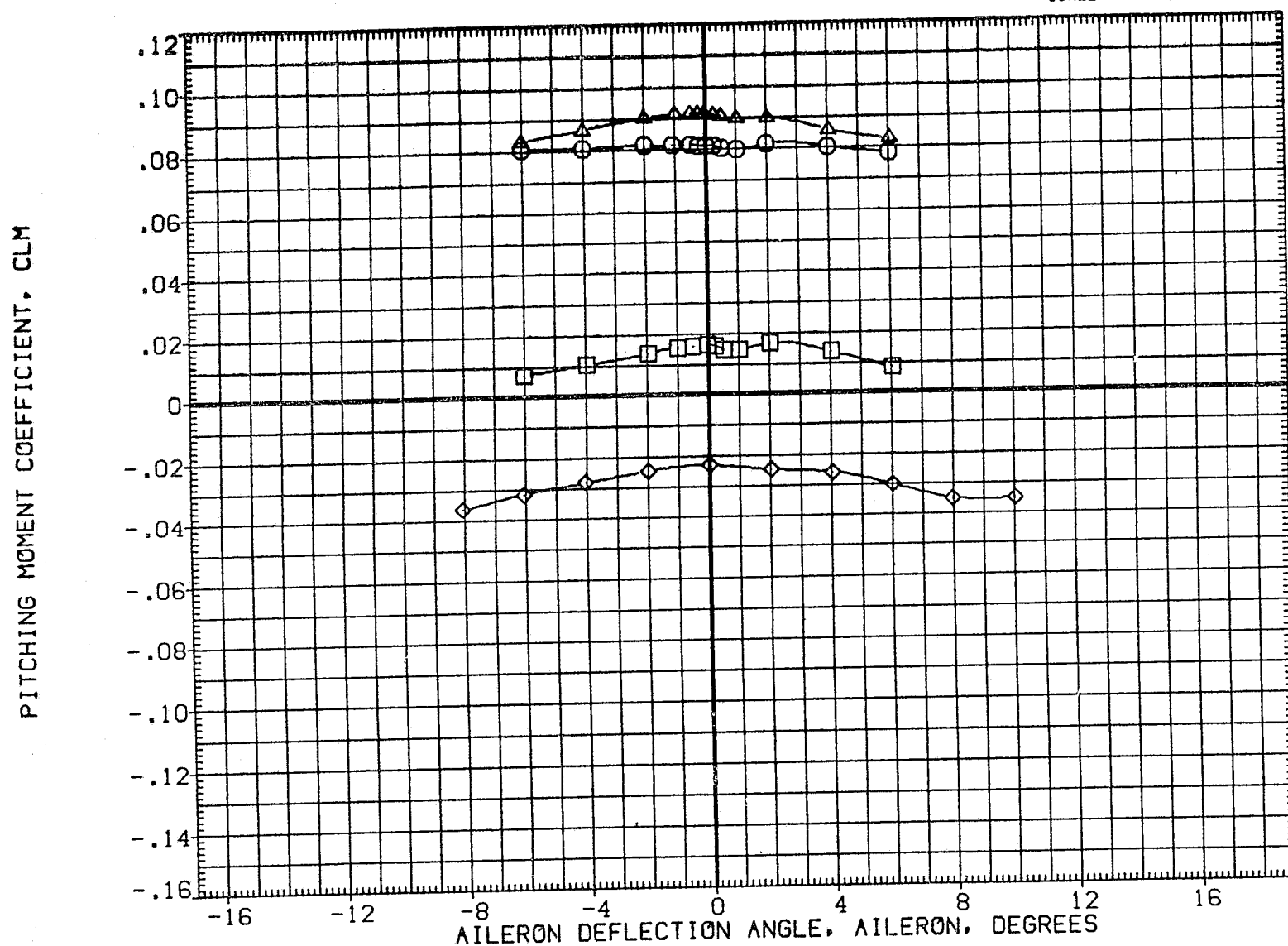


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

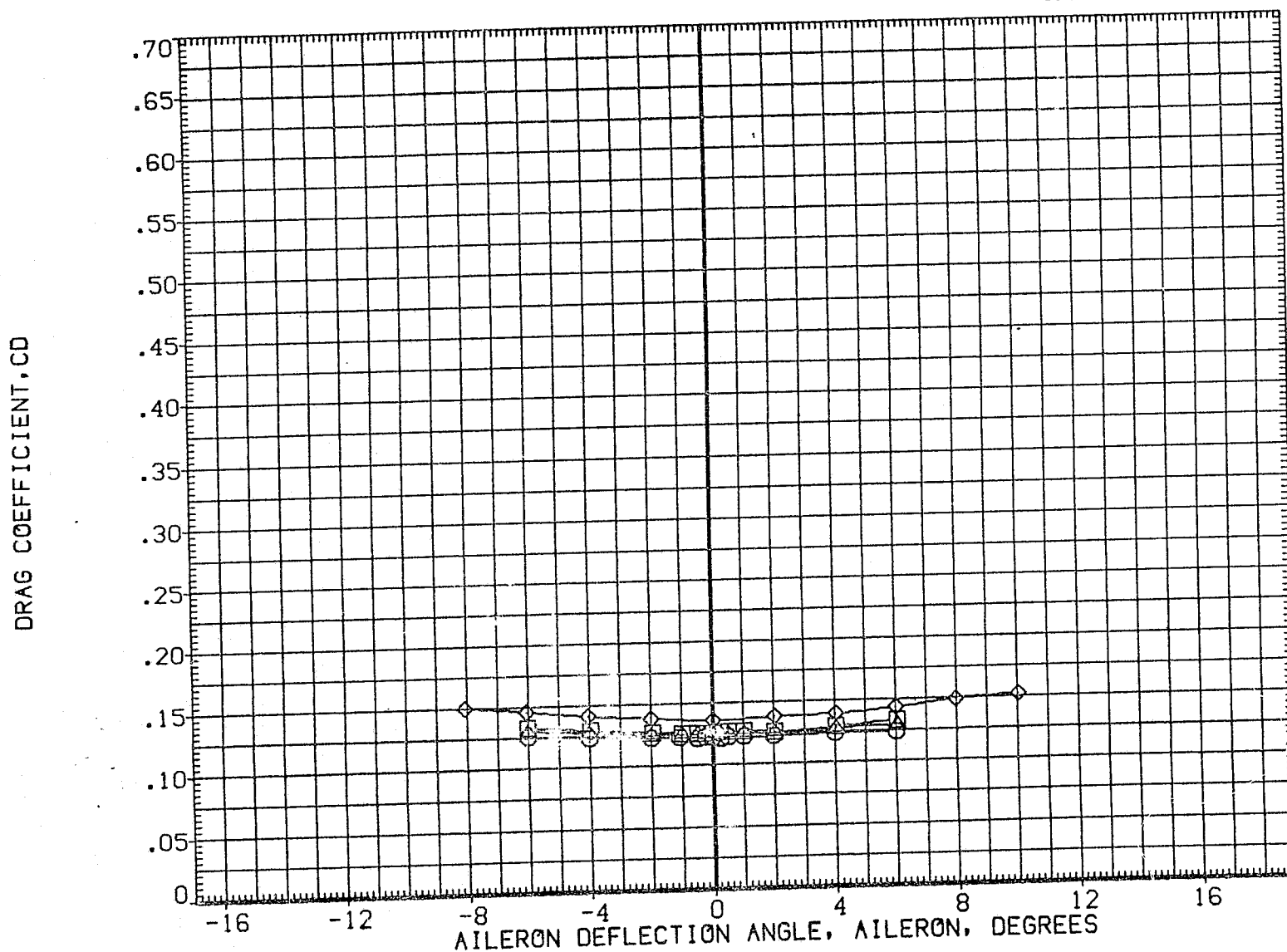


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

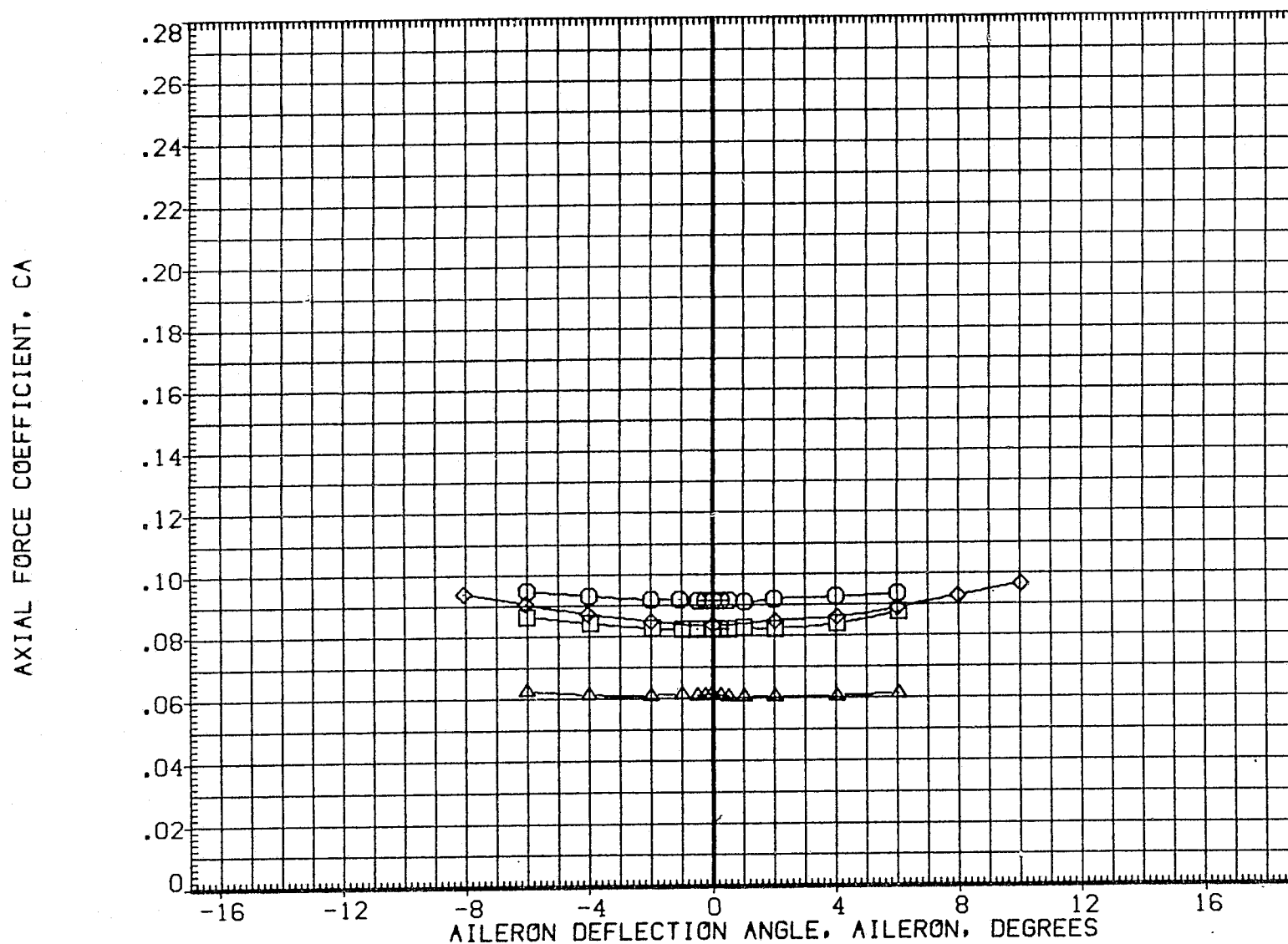


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

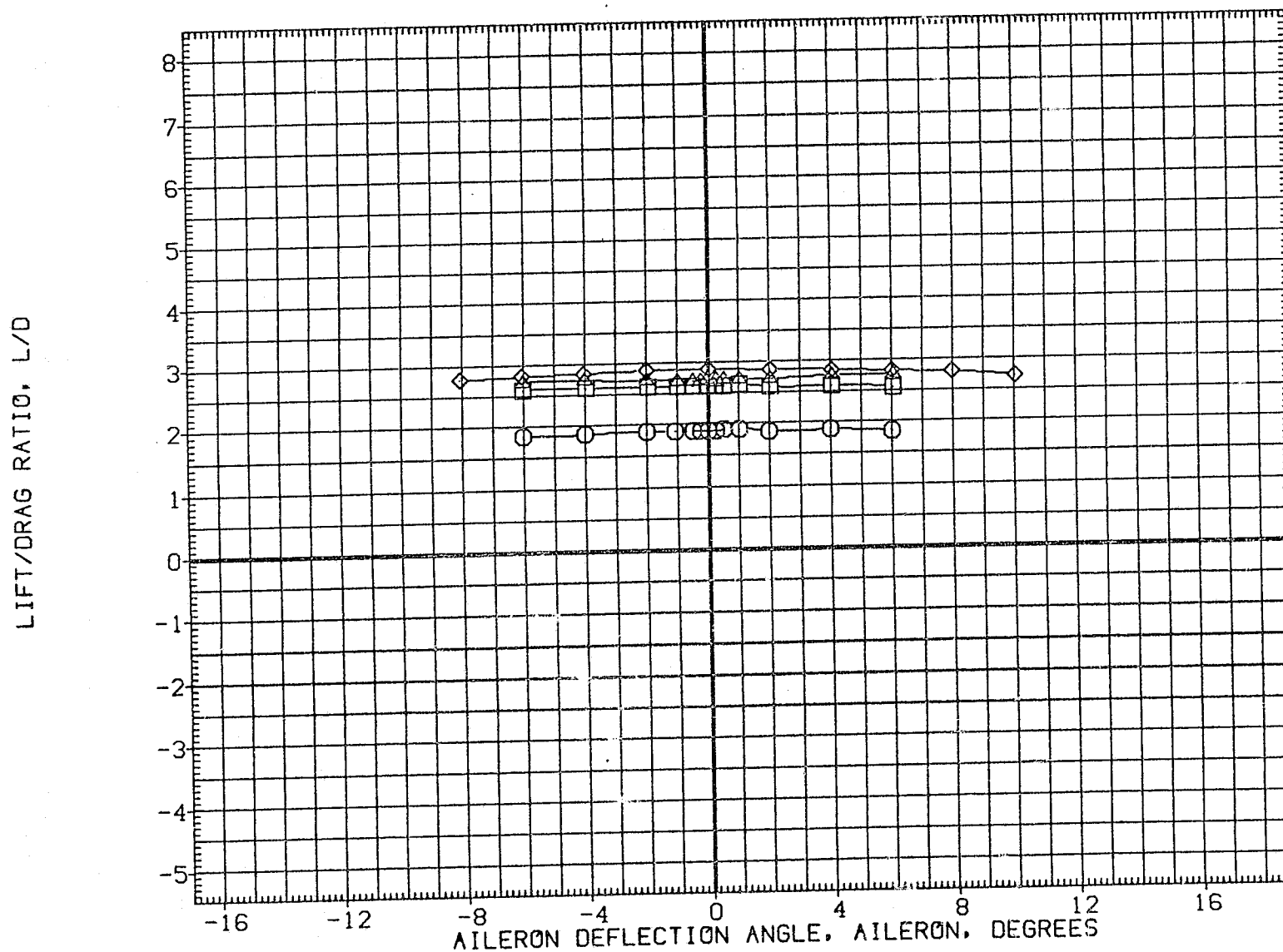


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

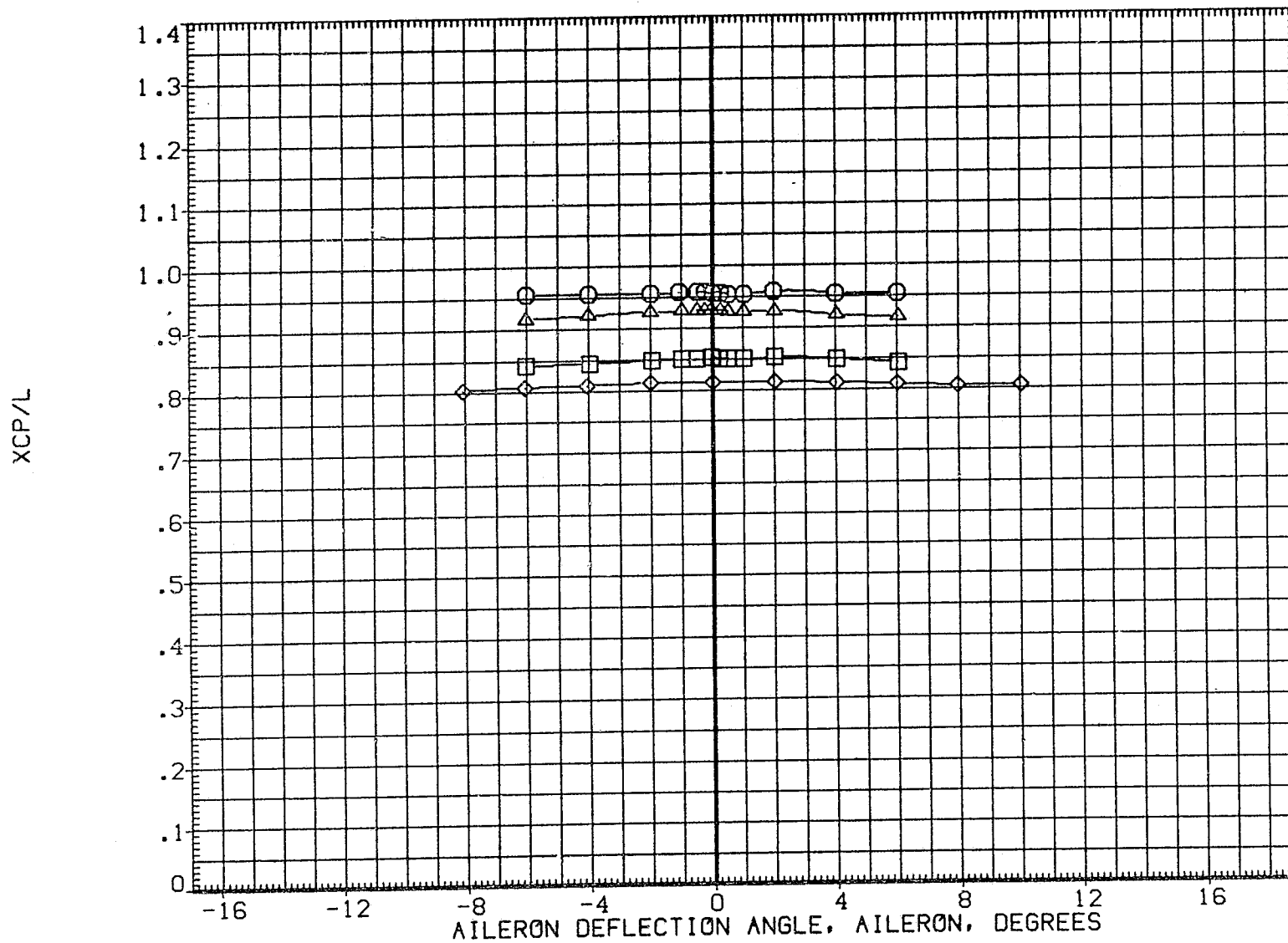


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

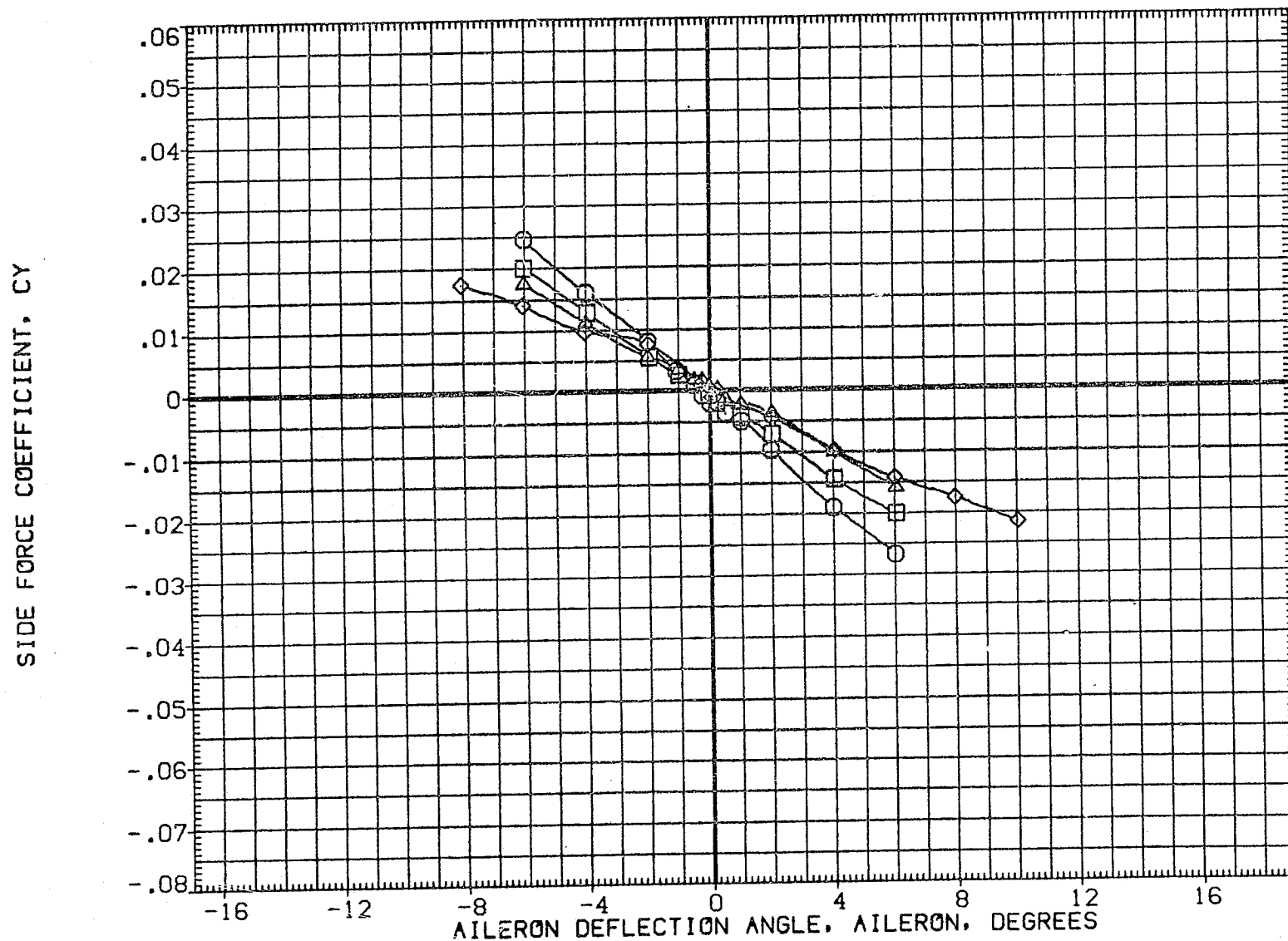


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

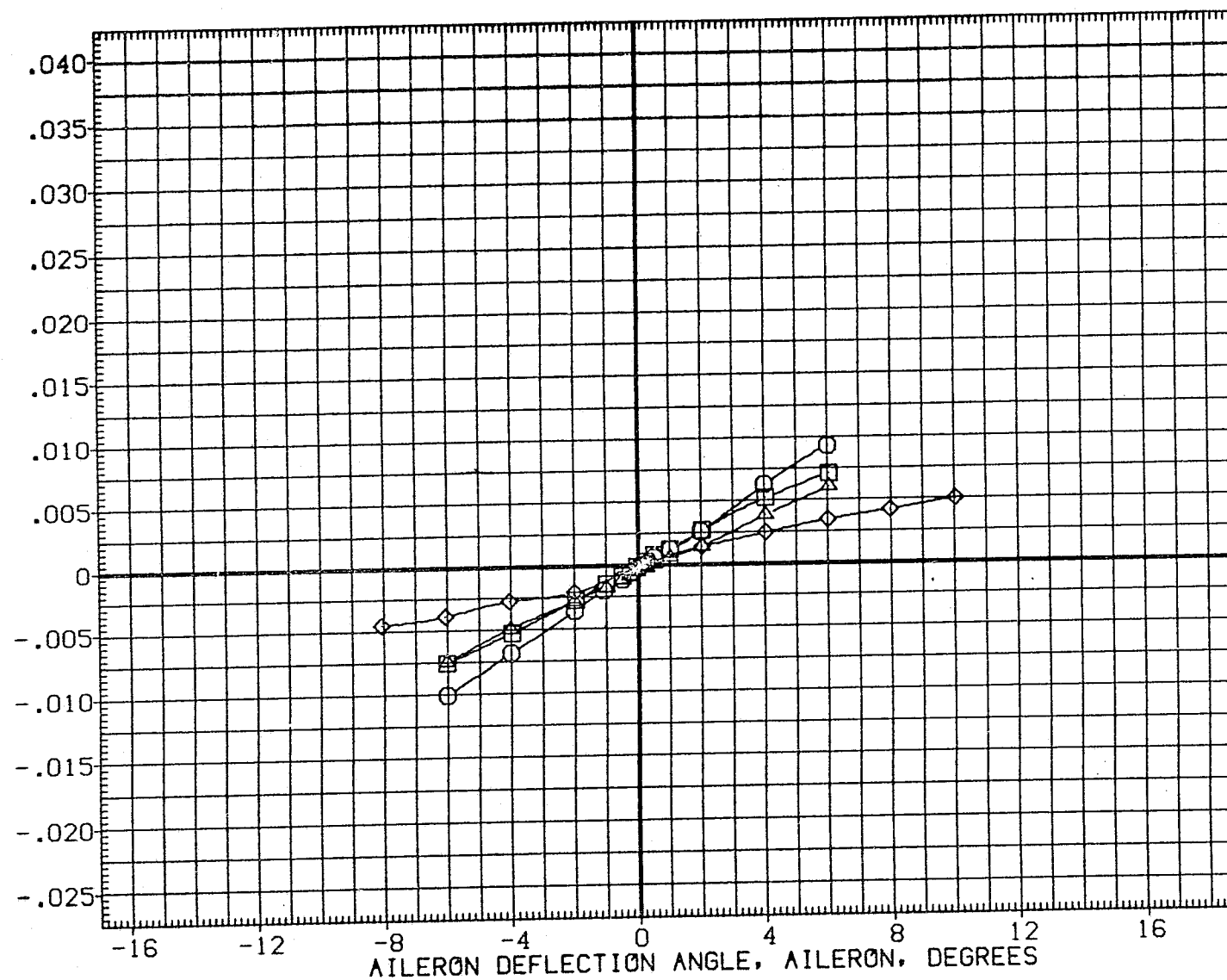


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3064)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A65)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A66)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3069)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
7.500	.900	-10.000
7.500	.900	.000
7.500	.900	5.000
11.000	.800	-10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

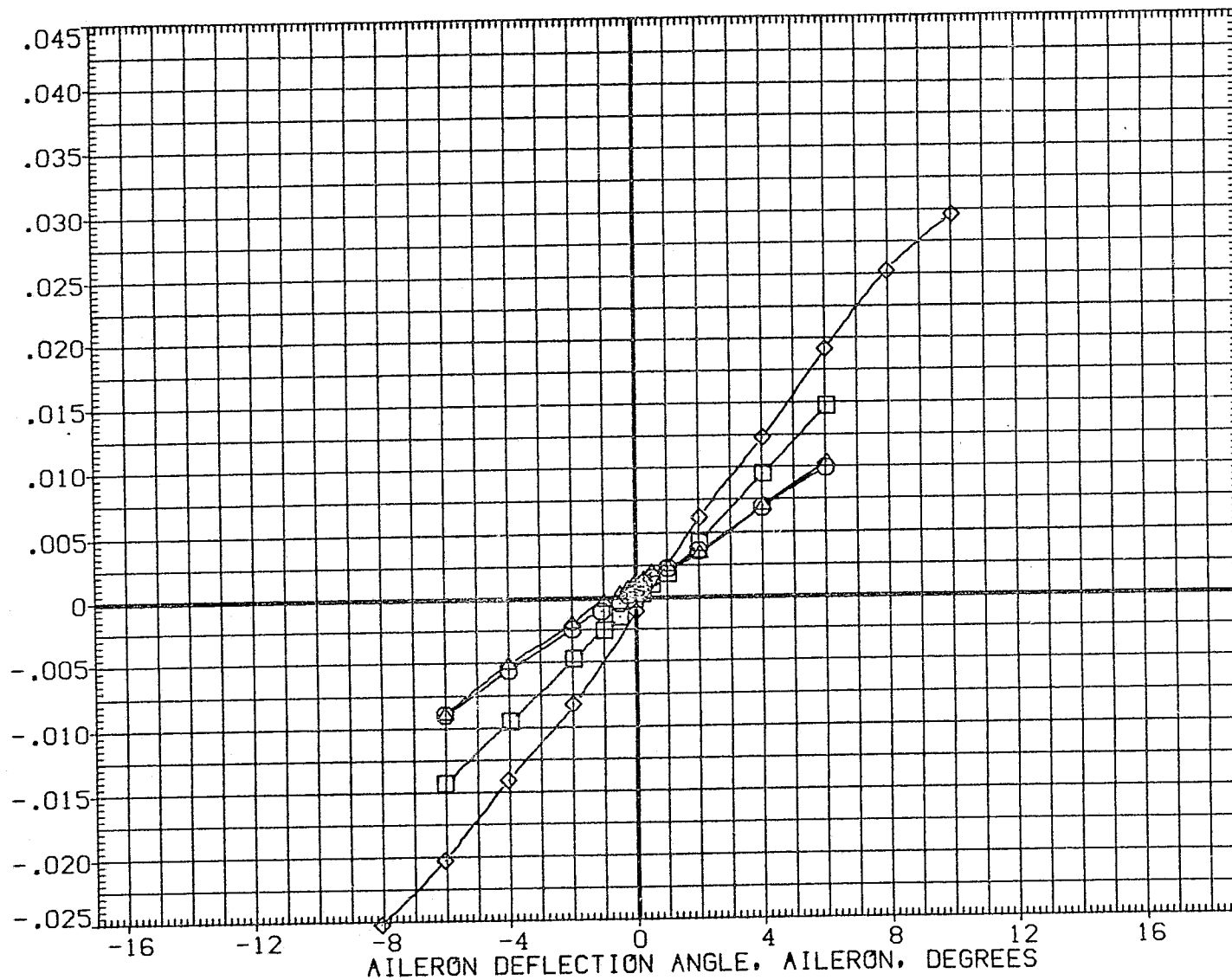


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .80 (B) .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A59) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B71) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

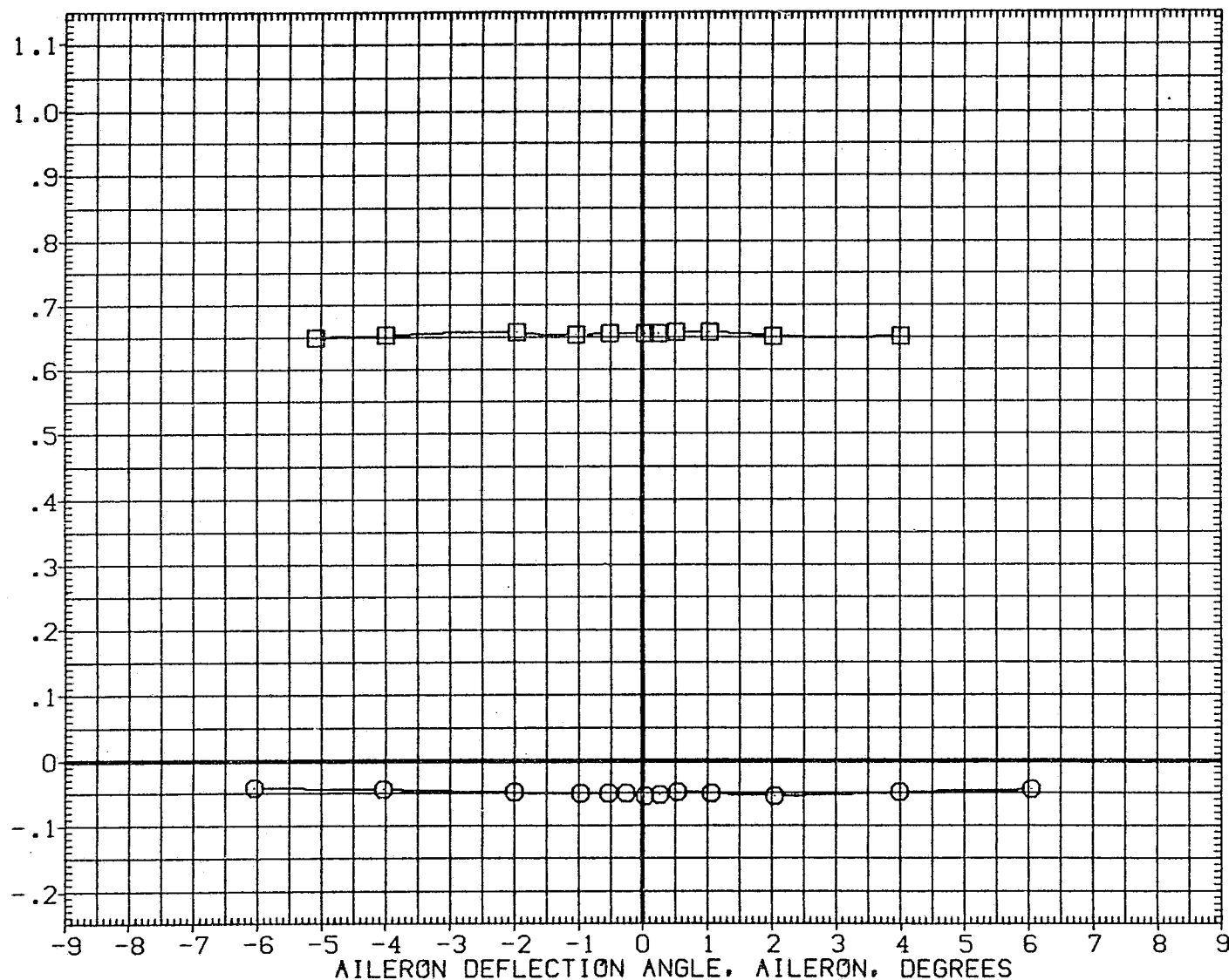


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A59)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B71)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

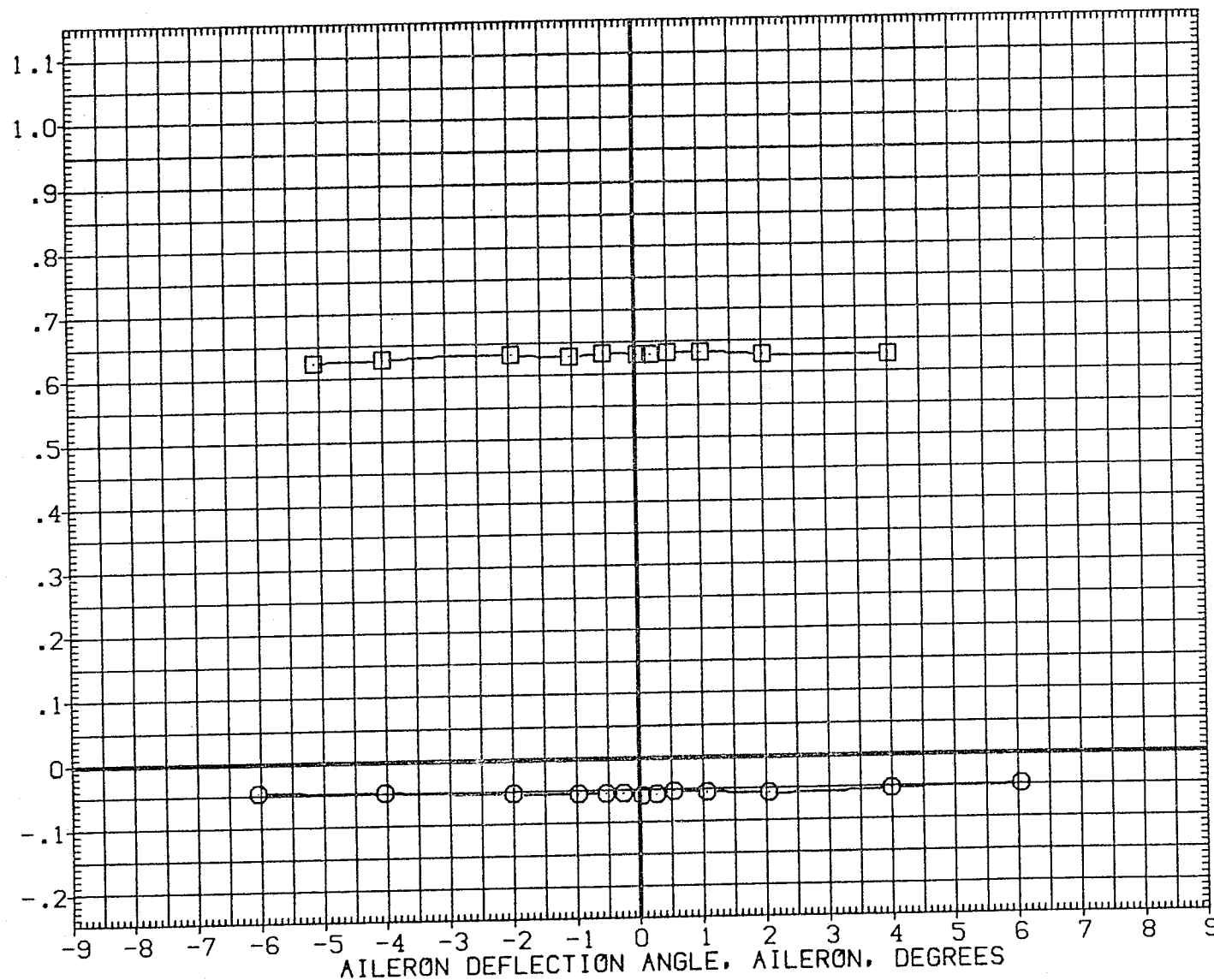


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[XJ3A59]	LARC 8FT TPT 717(LA-62) 140C ORBITER
[XJ3871]	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMPP	1076.7000	IN. X0
YMP	.0000	IN. Y0
ZMP	375.0000	IN. Z0
SCALE	.0150	

PITCHING MOMENT COEFFICIENT, CLM

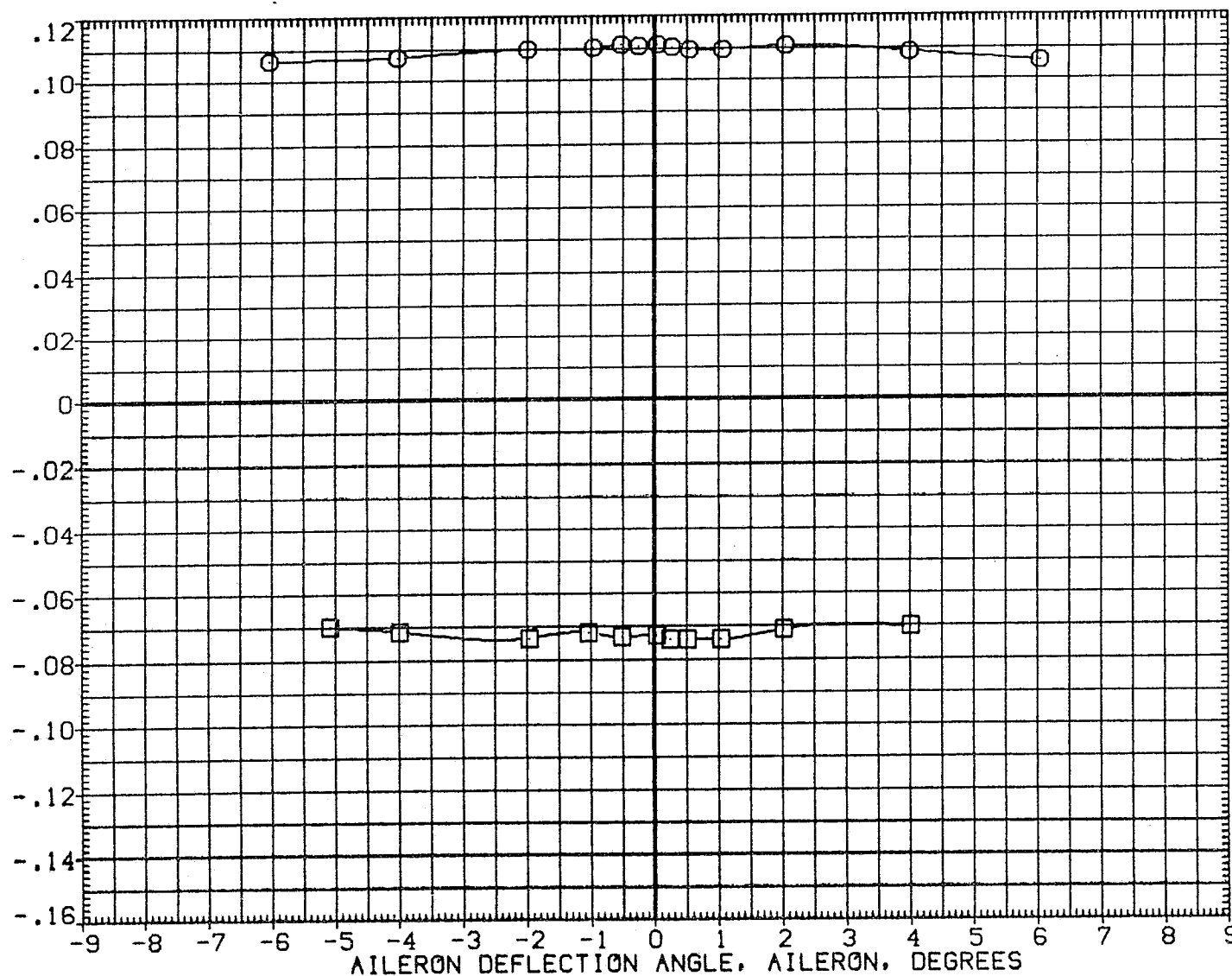


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A59)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B71)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

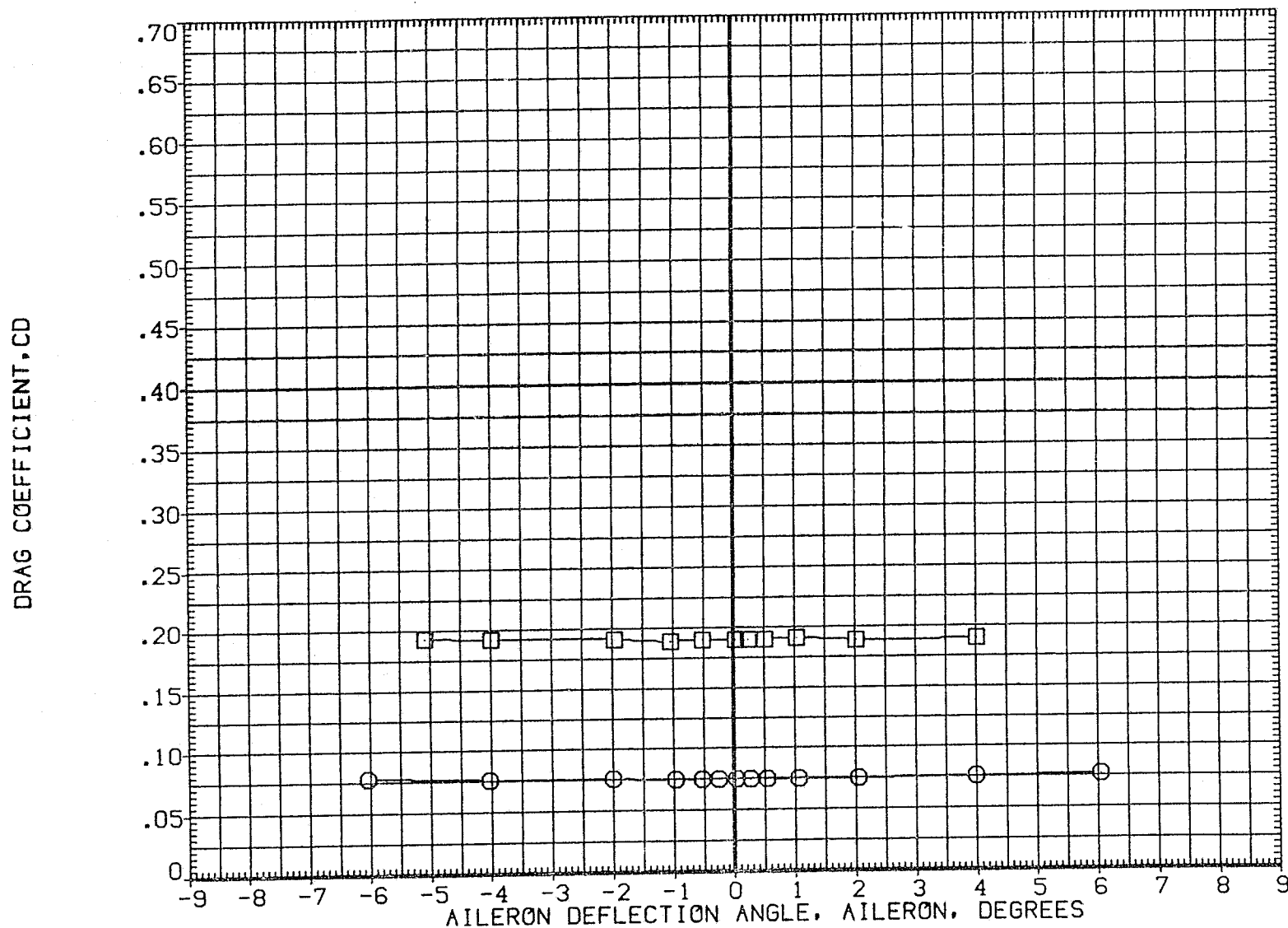


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A59)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B71)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

AXIAL FORCE COEFFICIENT, C_A

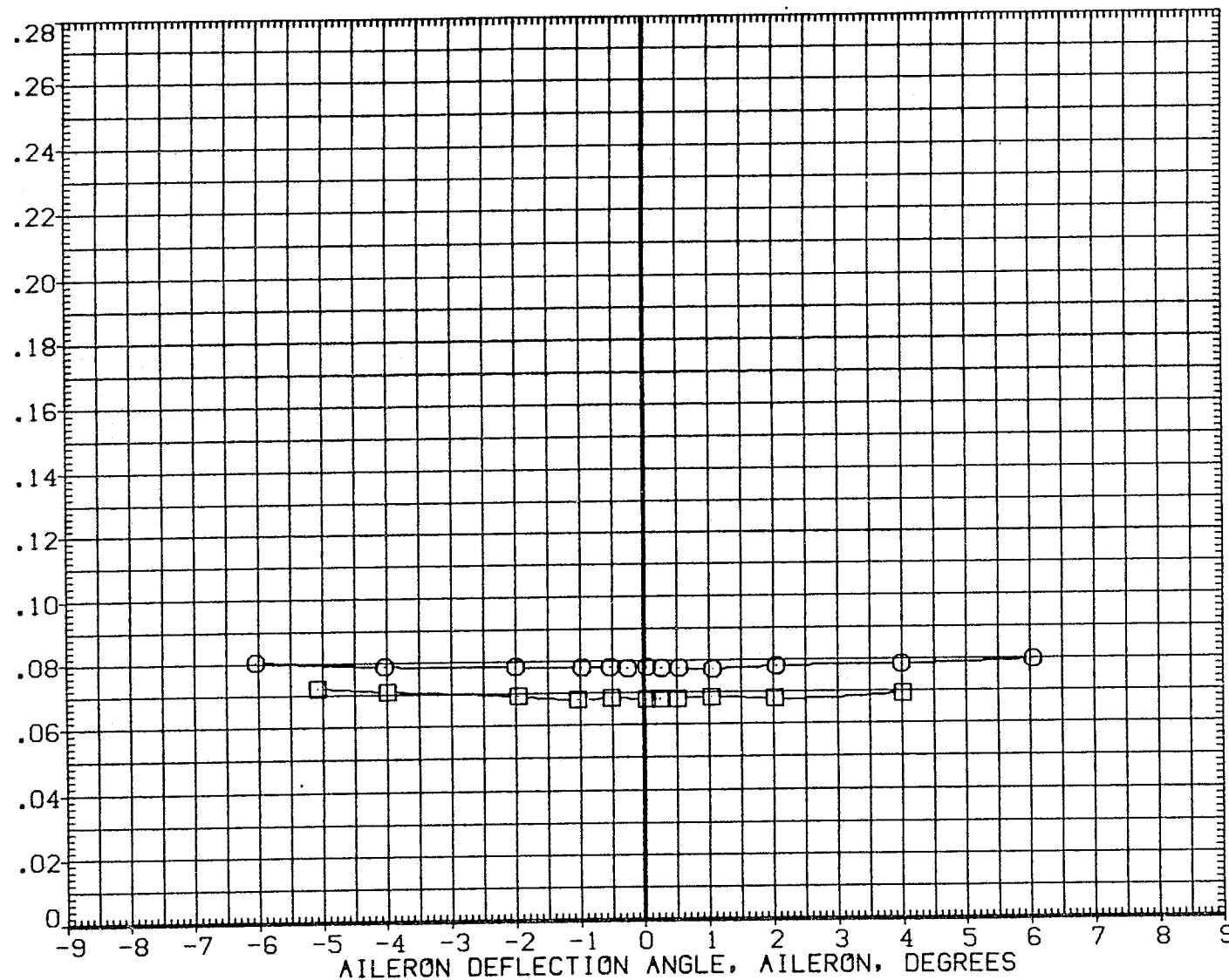


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A59)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B71)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

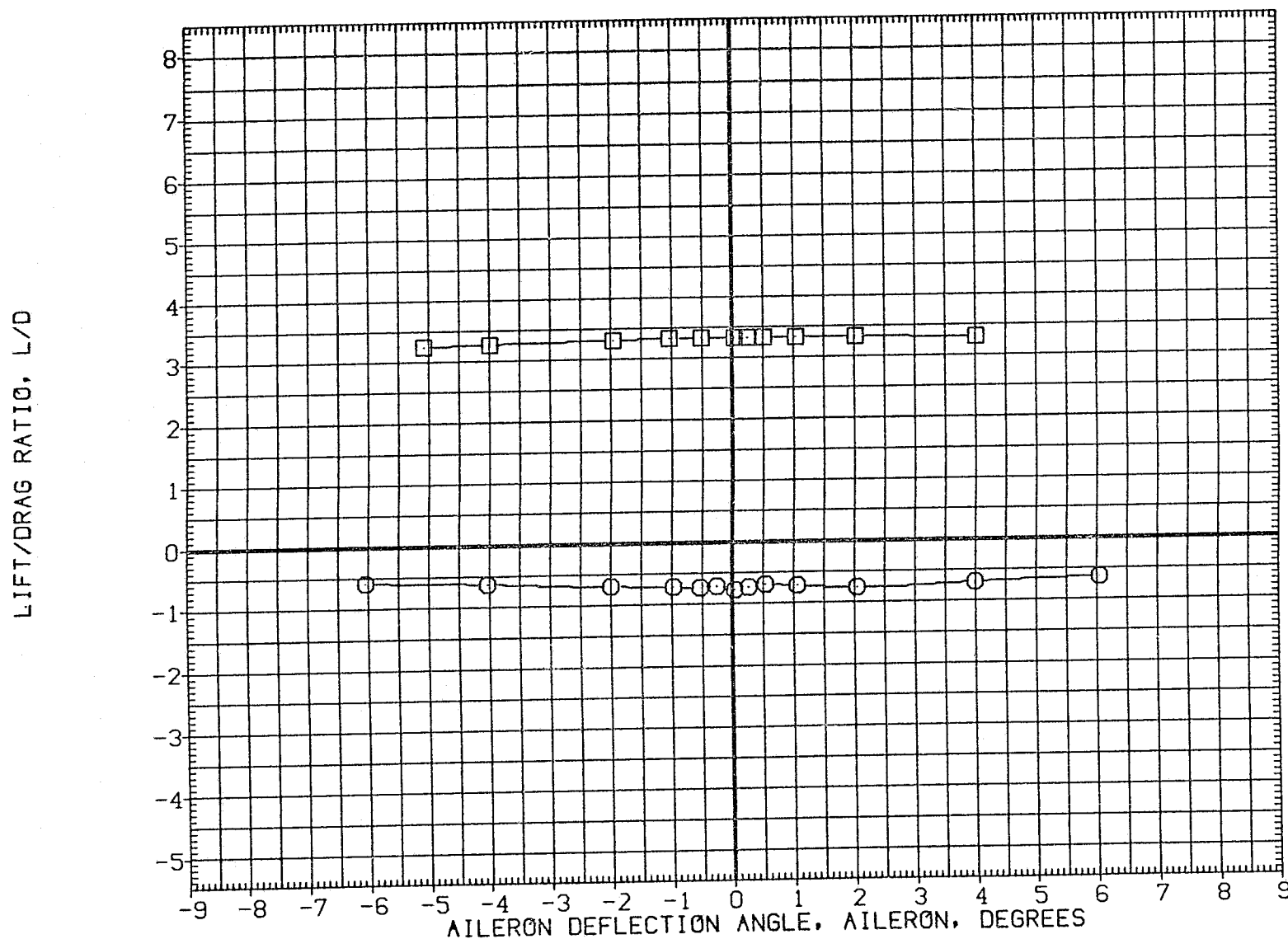


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .80

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3A59) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3B71) □ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
 3.000 .800 -10.000
 11.000 .800 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

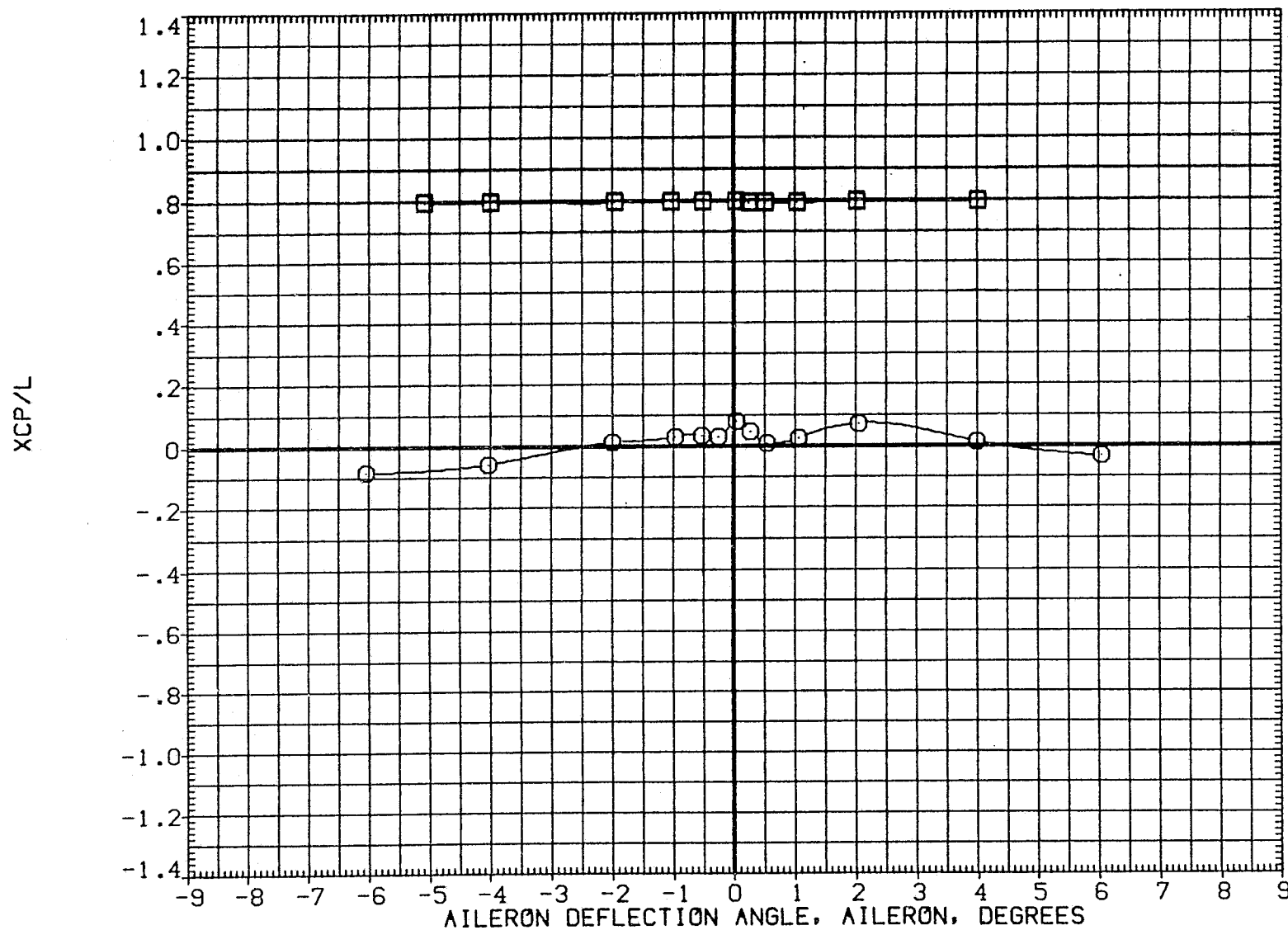


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A59)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3B71)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

SIDE FORCE COEFFICIENT, CY

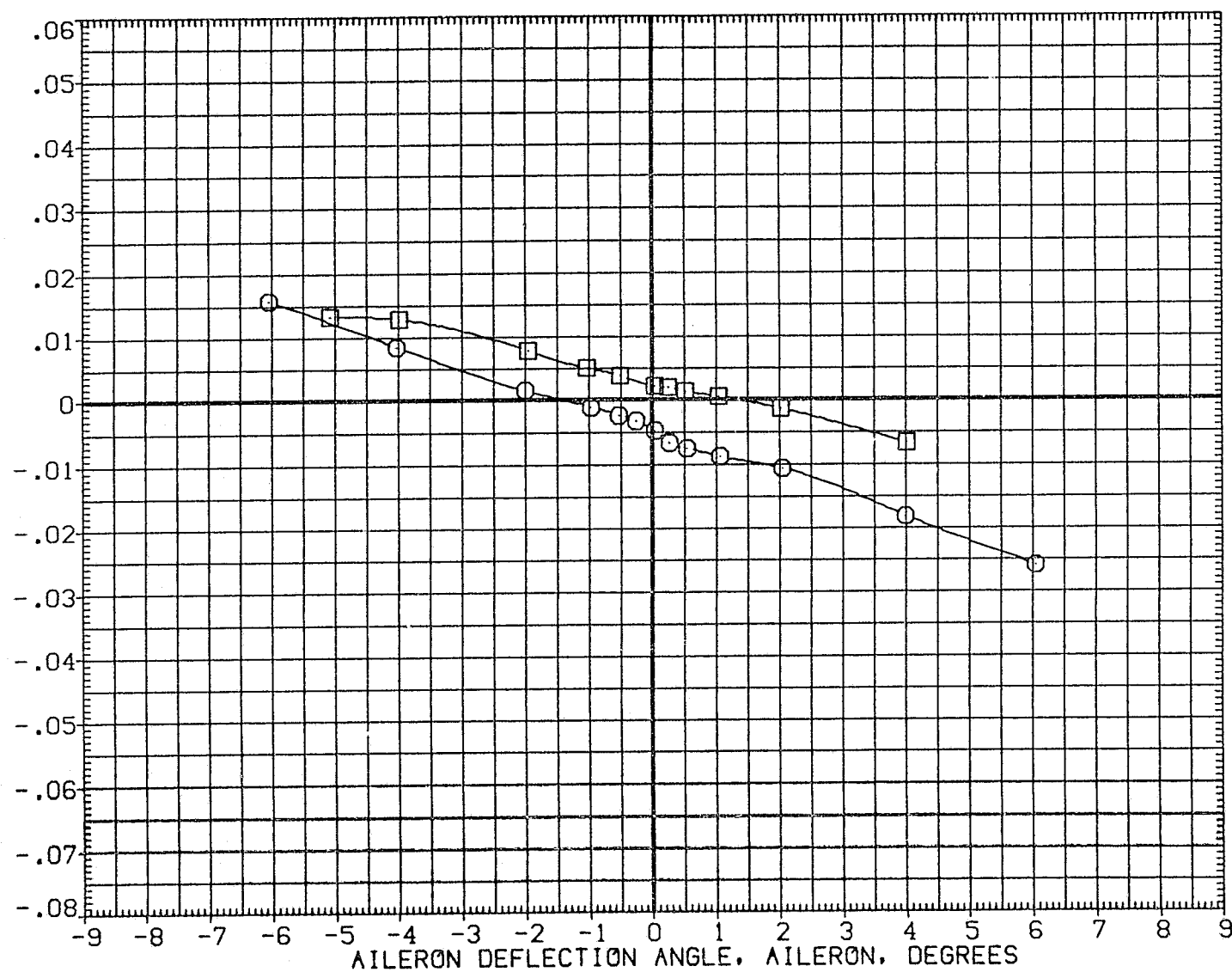


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A59)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3B71)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

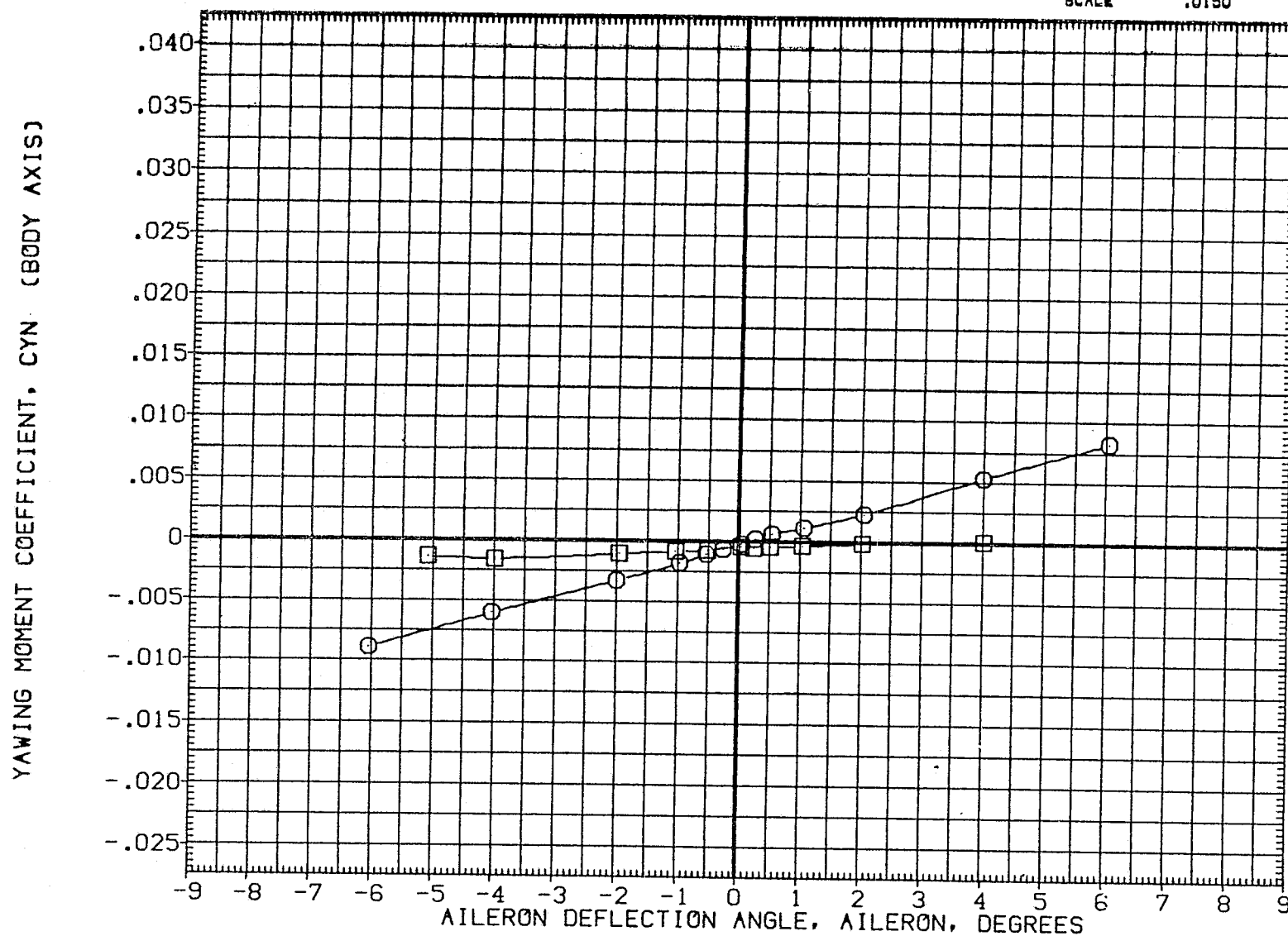


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{YJ3A59}	LARC 8FT TPT 717(LA-62) 140C ORBITER
{YJ3B71}	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
3.000	.800	-10.000
11.000	.800	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

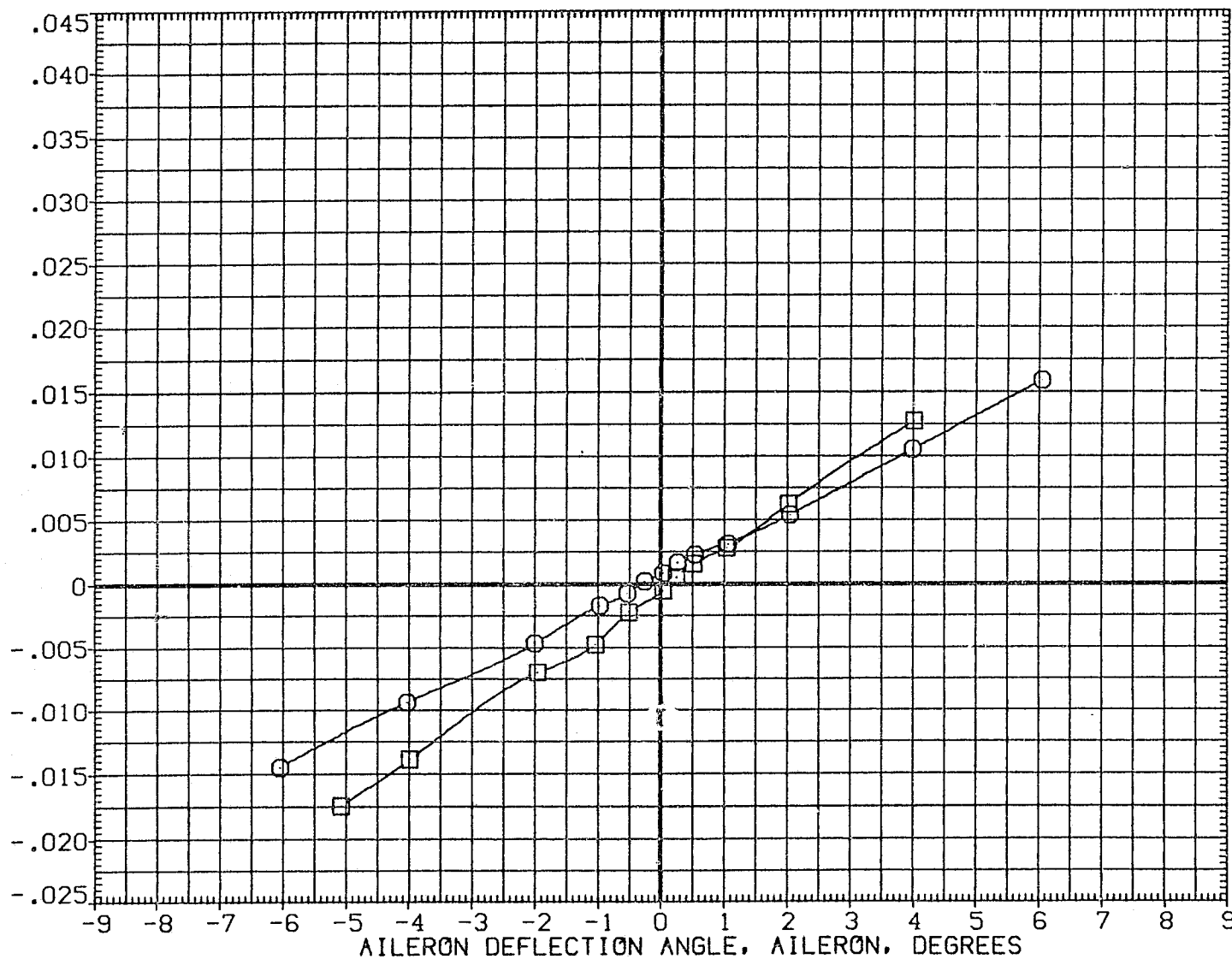


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

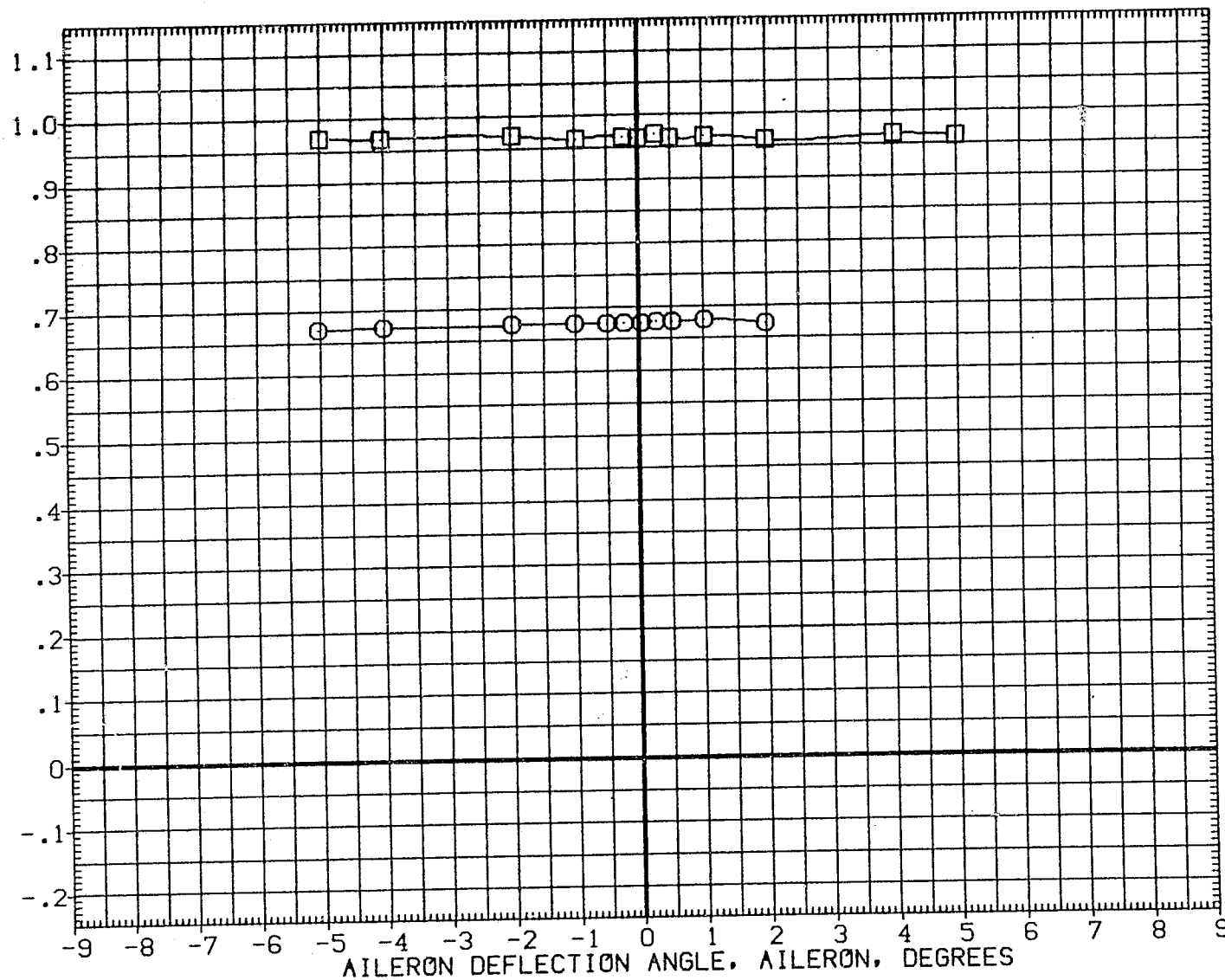


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

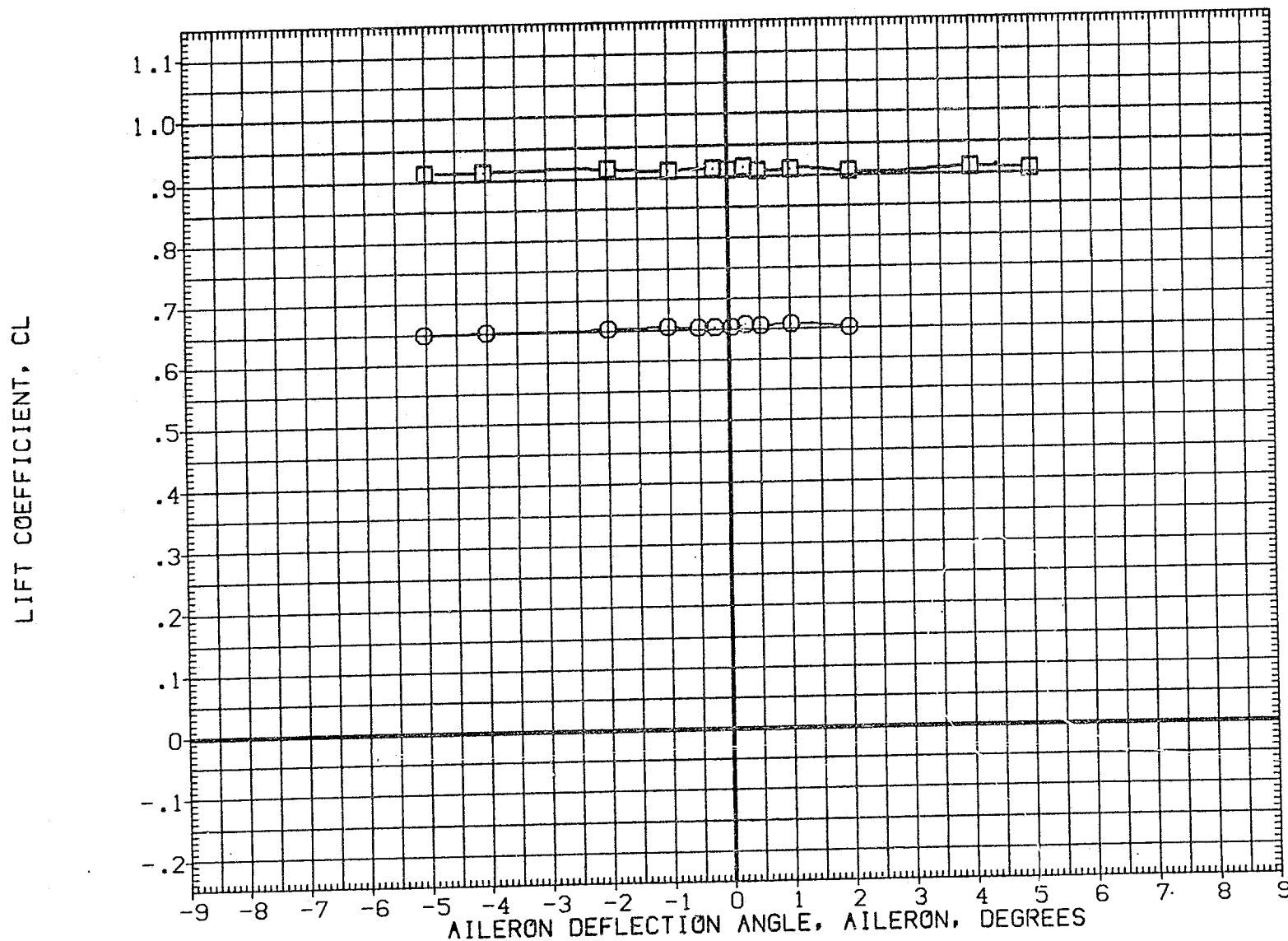


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

PITCHING MOMENT COEFFICIENT, CLM

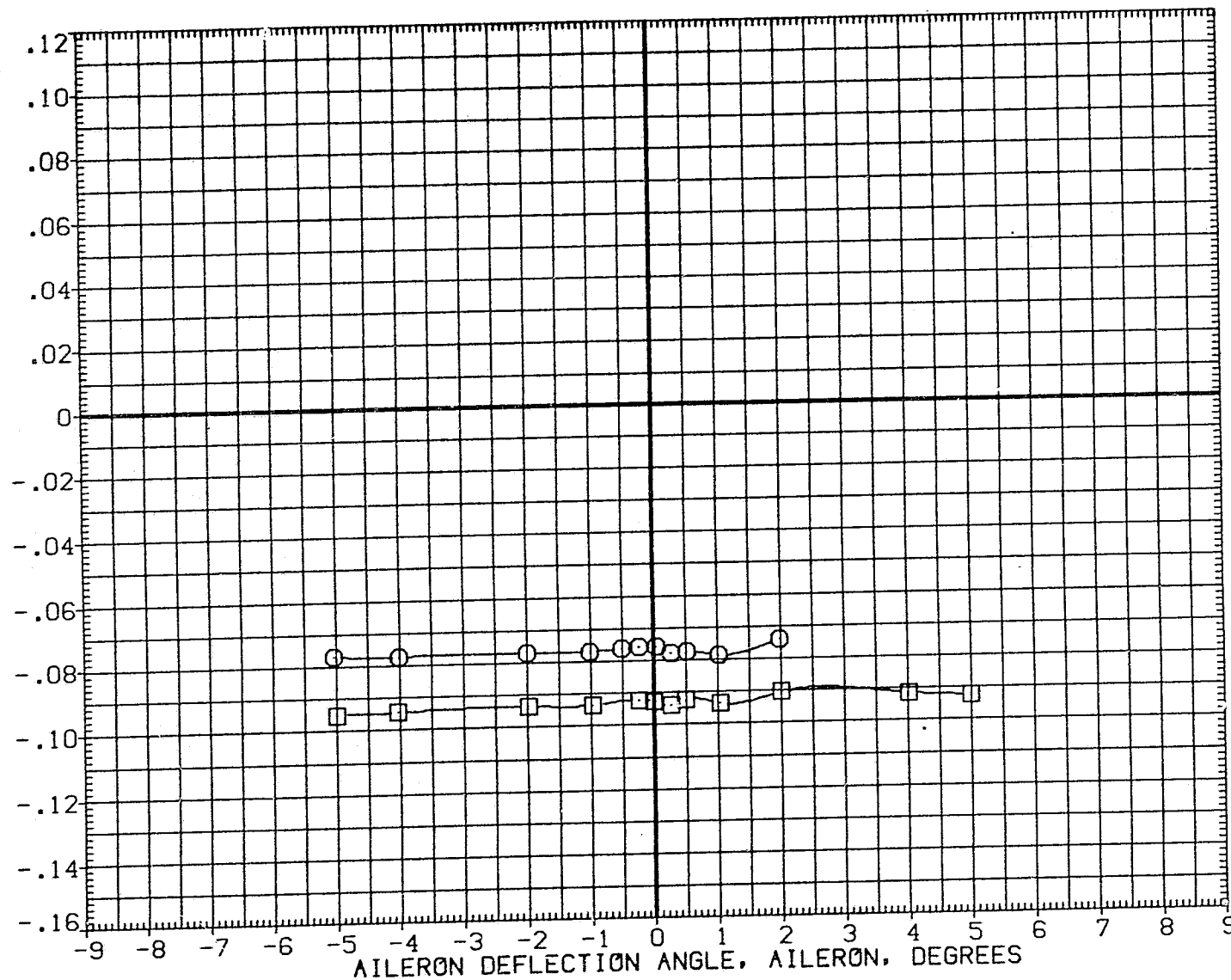


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

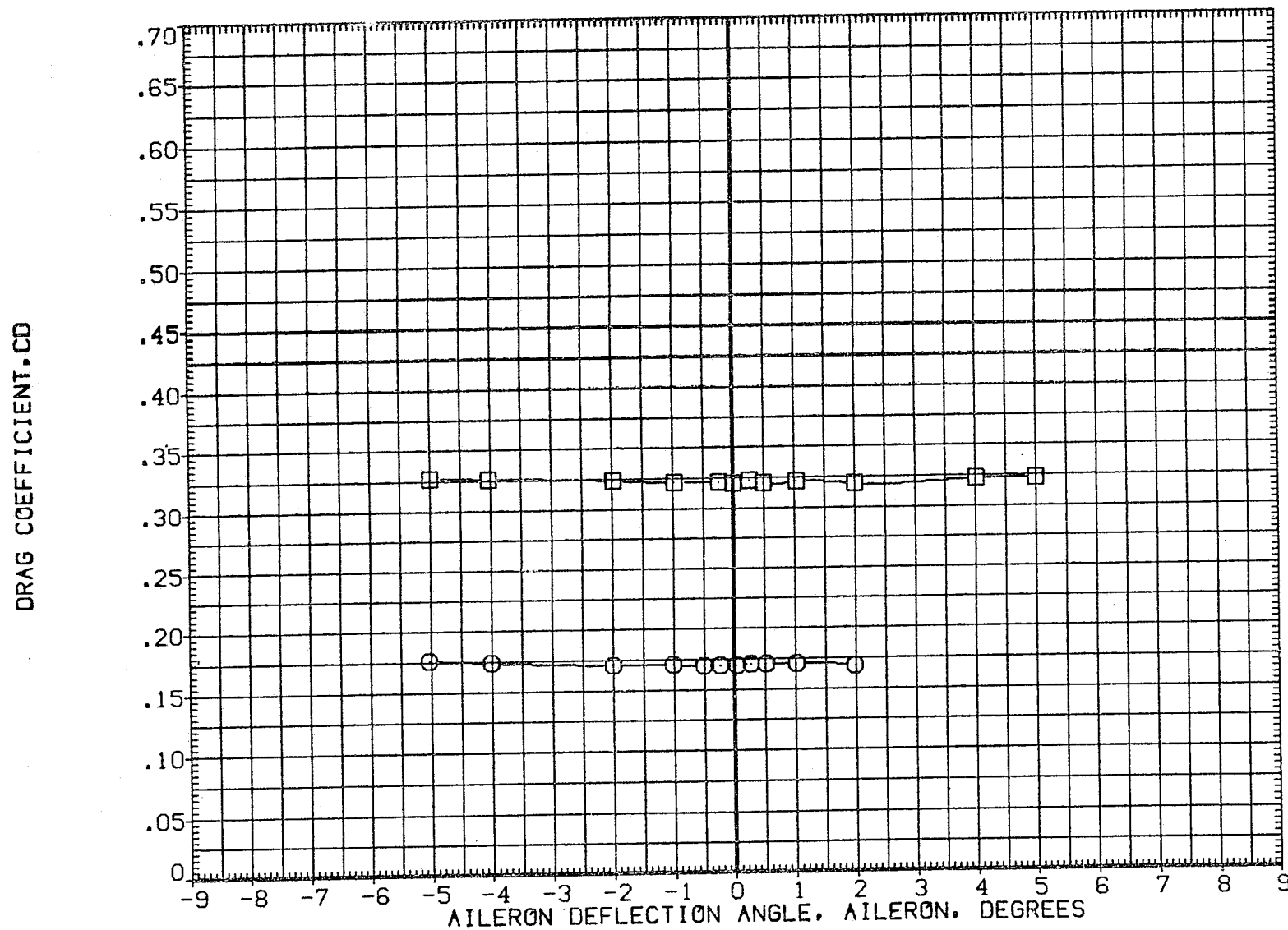


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

AXIAL FORCE COEFFICIENT, CA

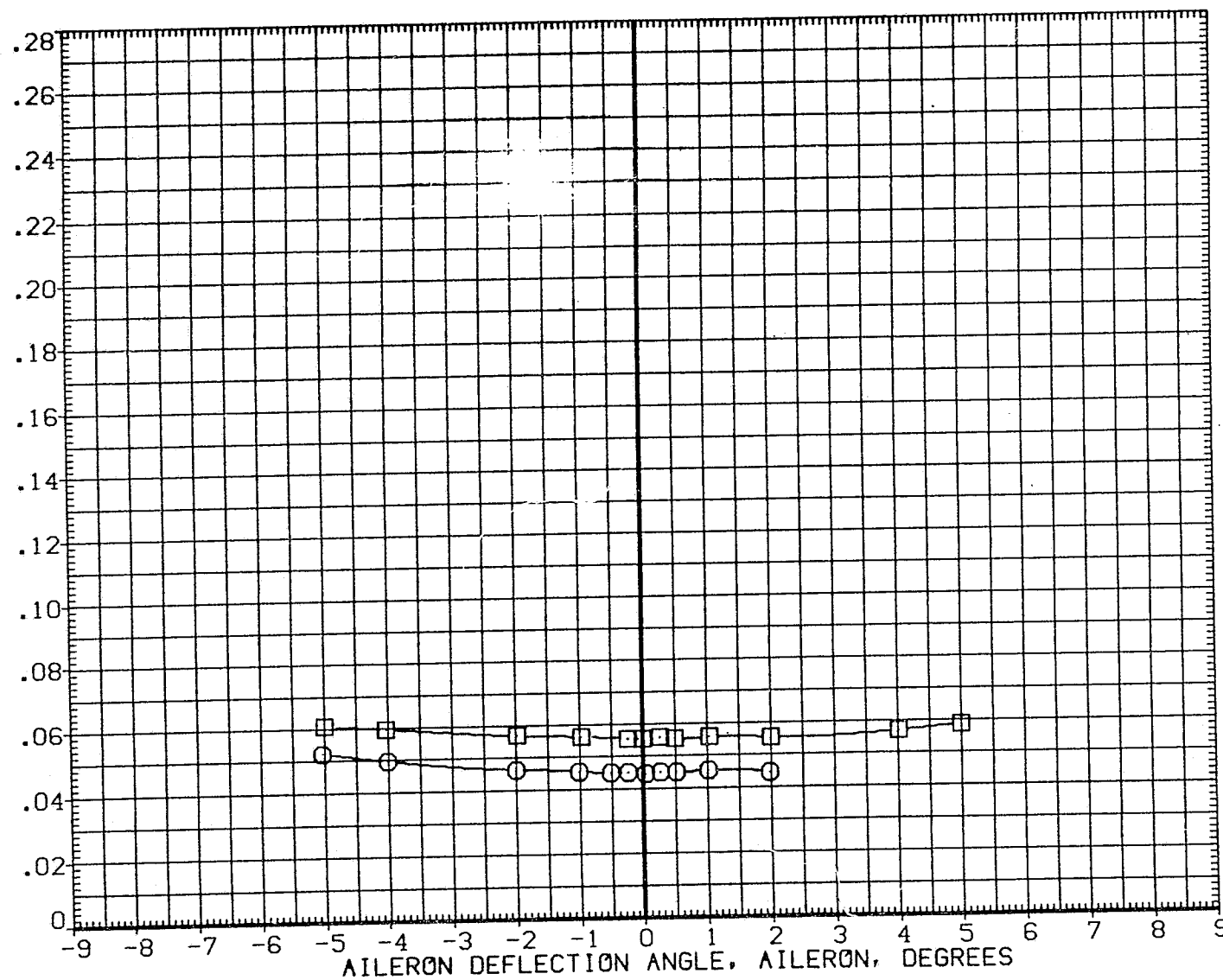


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A71) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3082) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

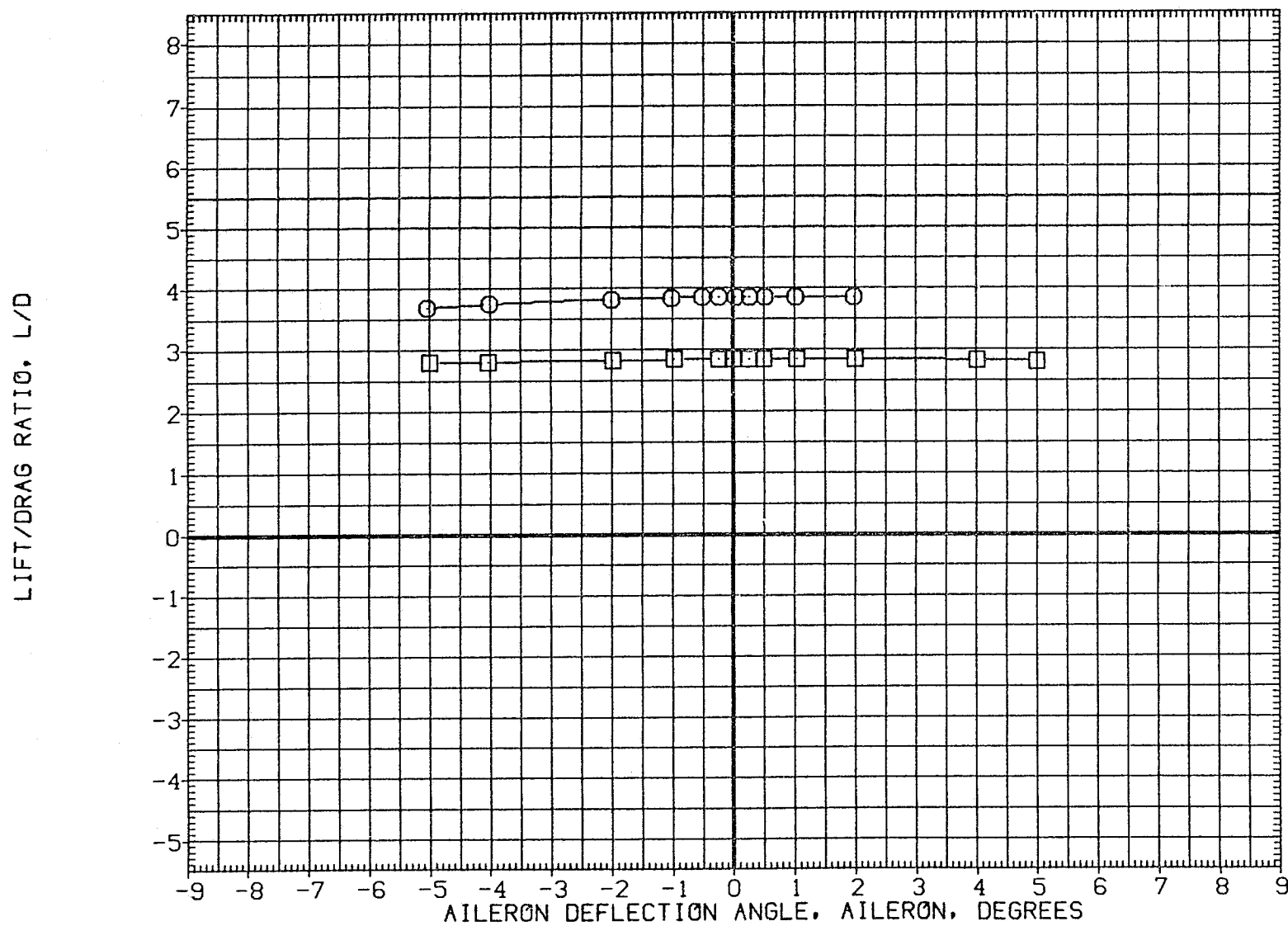


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
{XJ3A71} □	LARC 8FT TPT 717(LA-62) 140C ORBITER
{XJ3082} □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

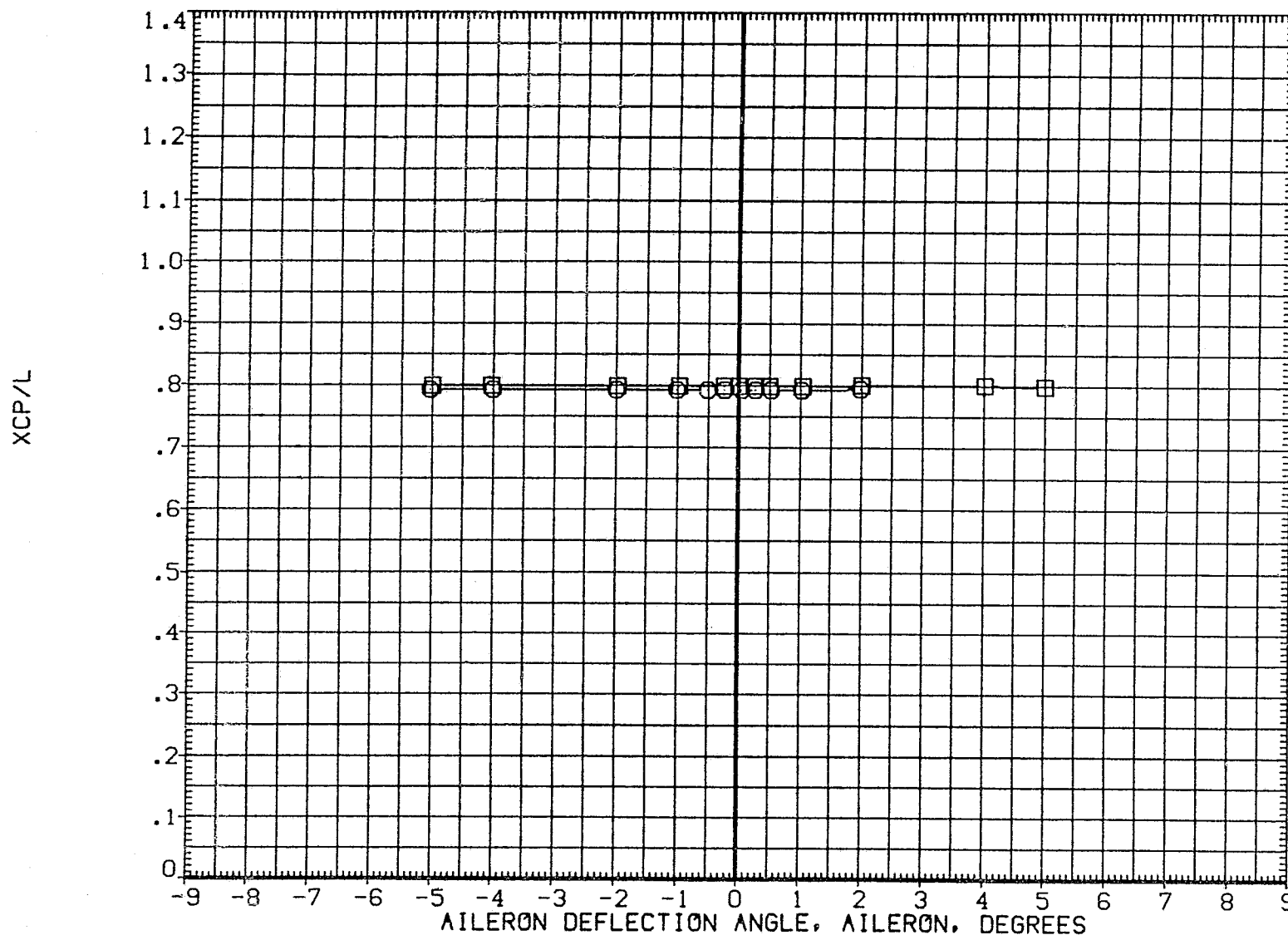


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A71)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3082)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

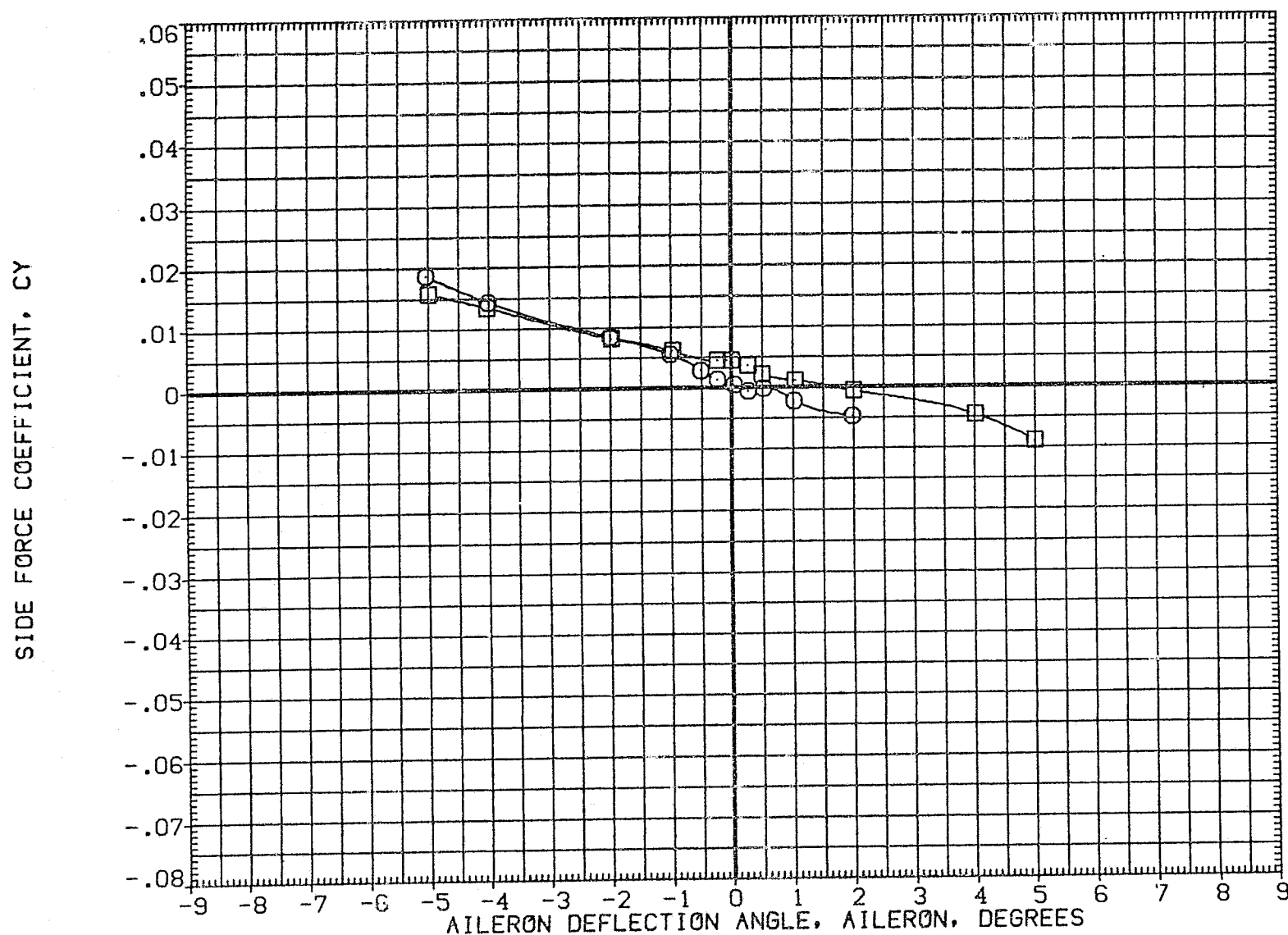


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A71)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3082)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

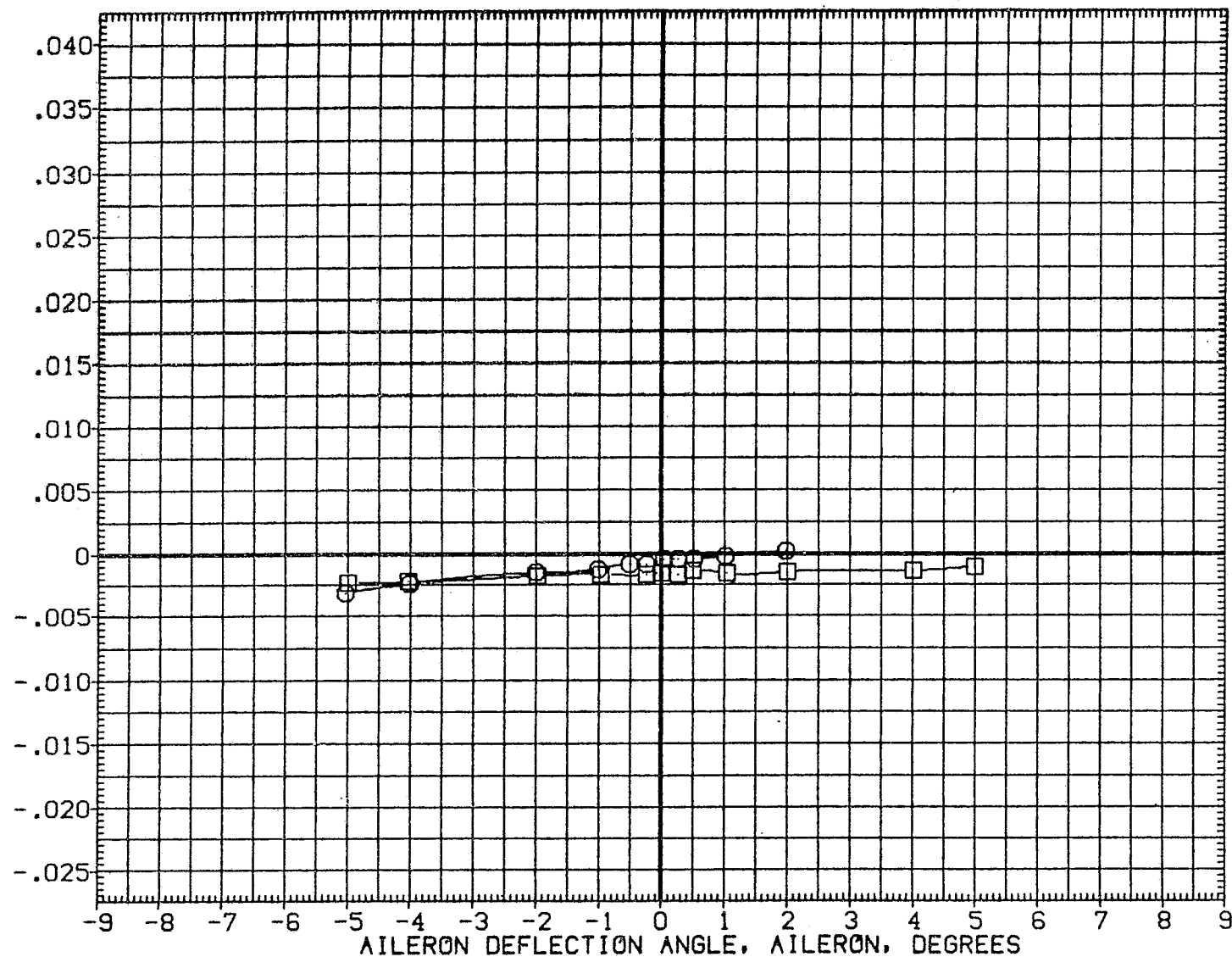


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .70

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (YJ3A71)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (YJ3082)  LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
11.000	.700	10.000
16.000	.700	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

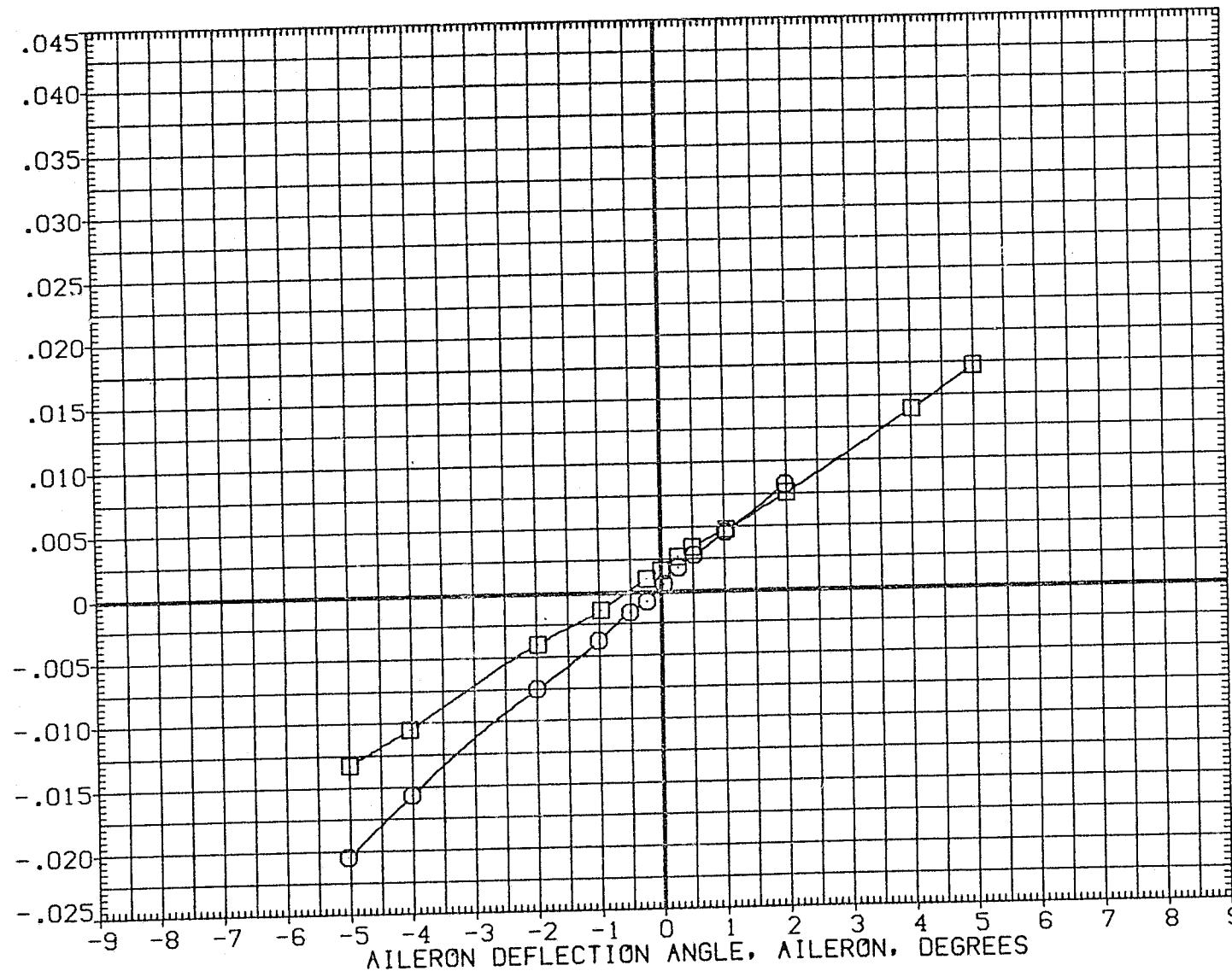


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .70

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

NORMAL FORCE COEFFICIENT, CN

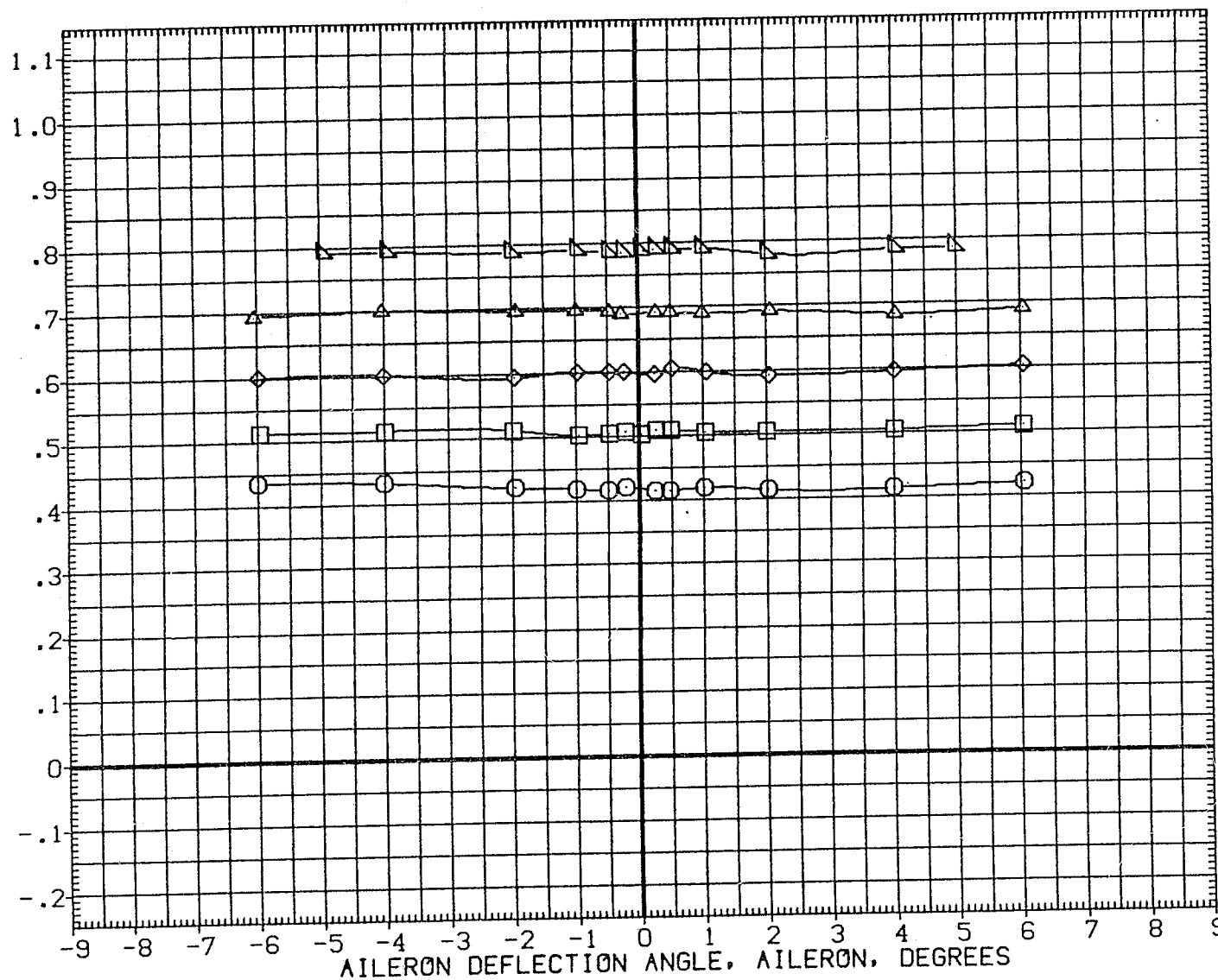


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

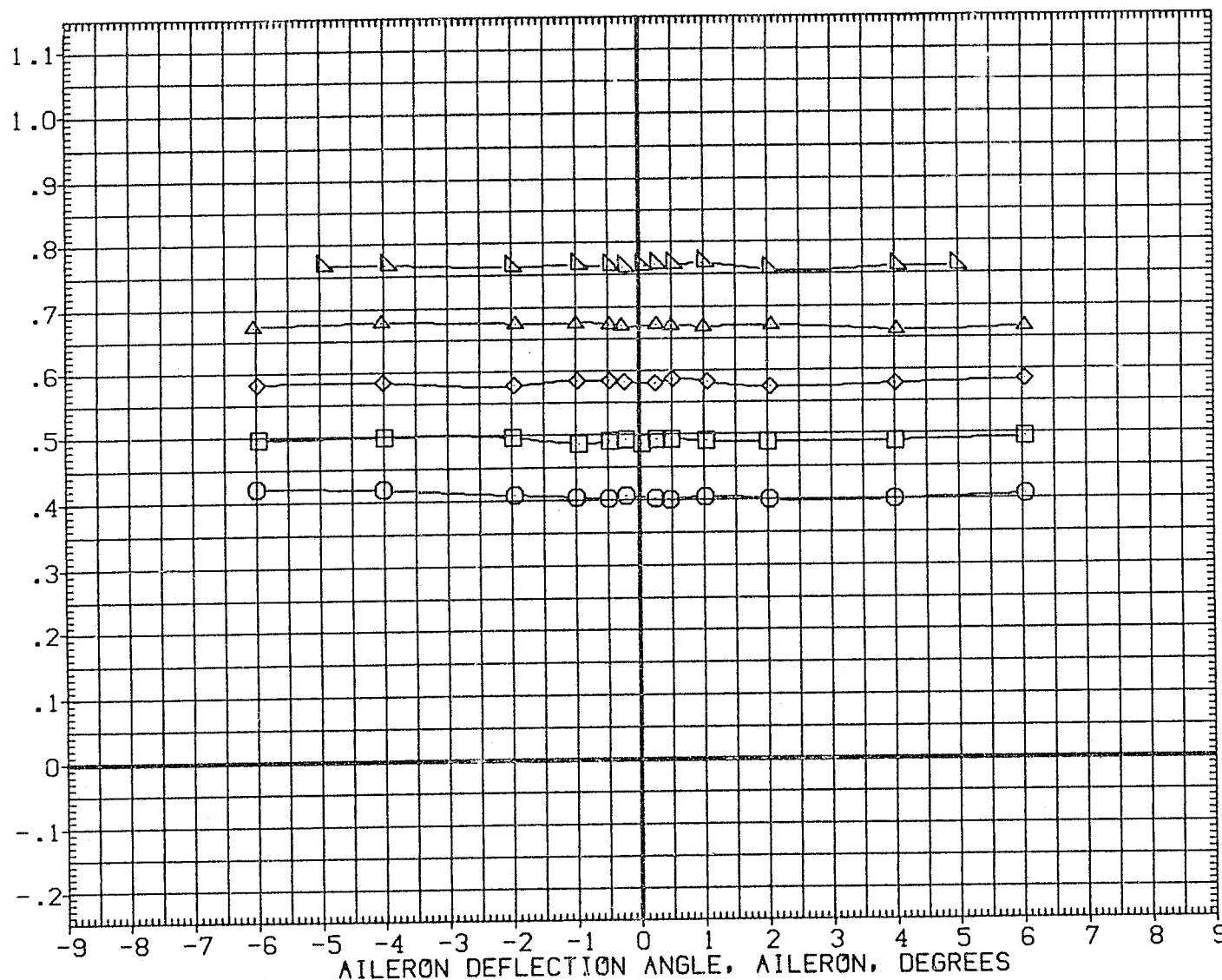


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	MACH	ELEVON	REFERENCE INFORMATION		
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.600	-10.000	SREF	2690.0000	SQ.FT.
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.600	-5.000	LREF	474.8000	INCHES
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.600	.000	BREF	936.6800	INCHES
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.600	5.000	XMRP	1076.7000	IN. X0
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.600	10.000	YMRP	.0000	IN. Y0
					ZMRP	375.0000	IN. Z0
					SCALE	.0150	

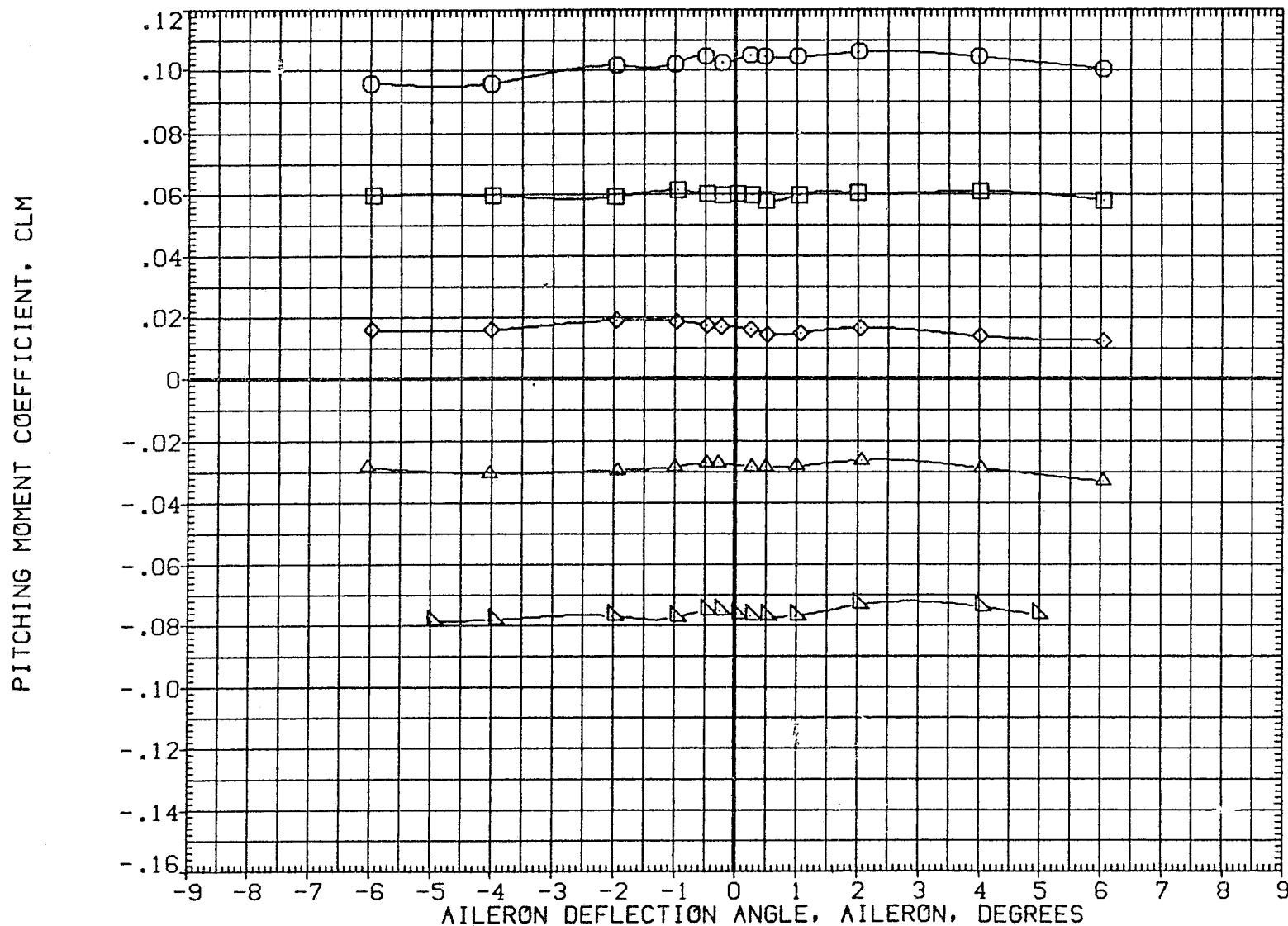


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMHP	1076.7000	IN. X0
YMHP	.0000	IN. Y0
ZMHP	375.0000	IN. Z0
SCALE	.0150	

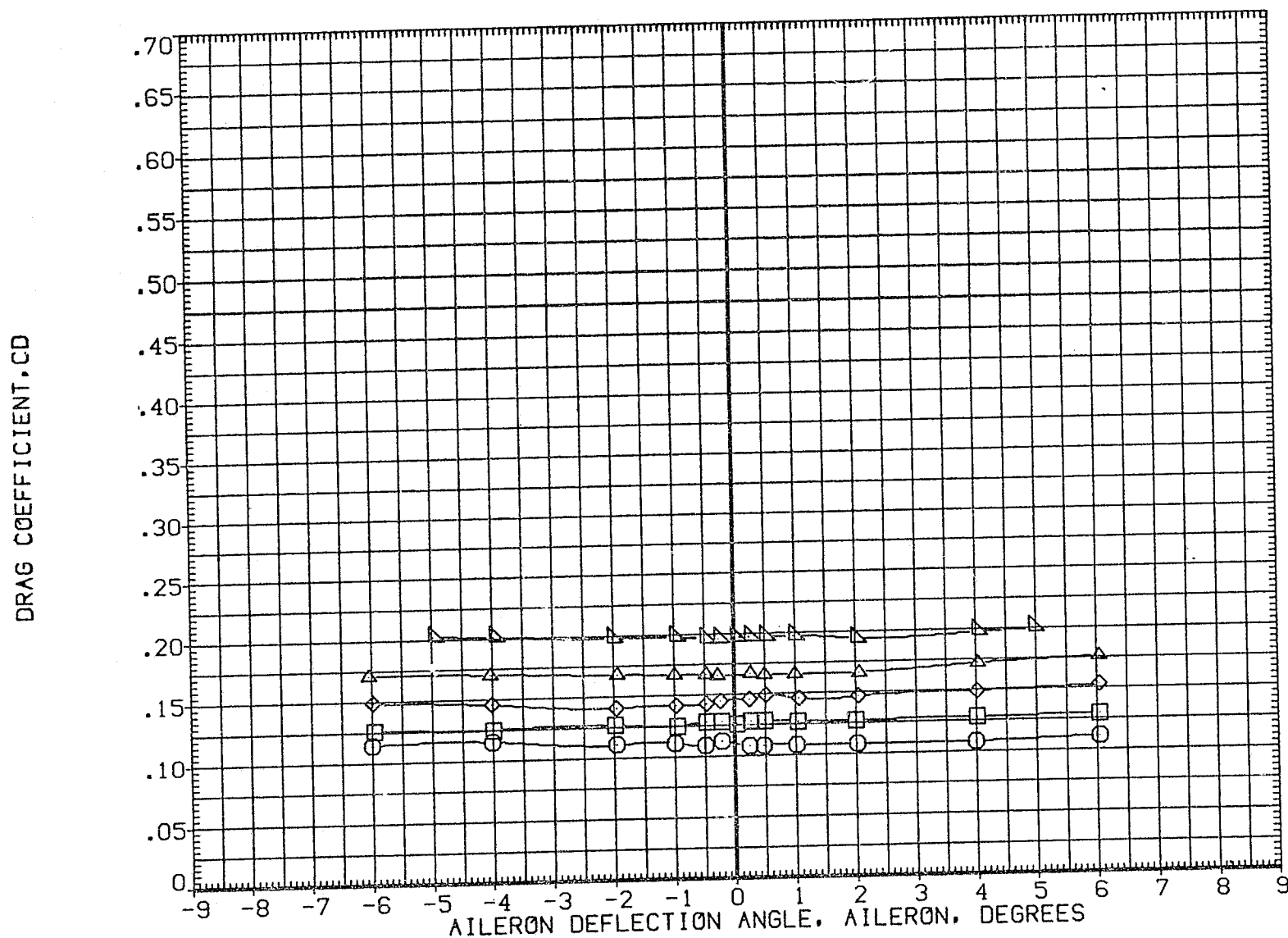


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3080)	LARC 8FT YPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.800	-10.000
13.000	.800	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2890.0000	90.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

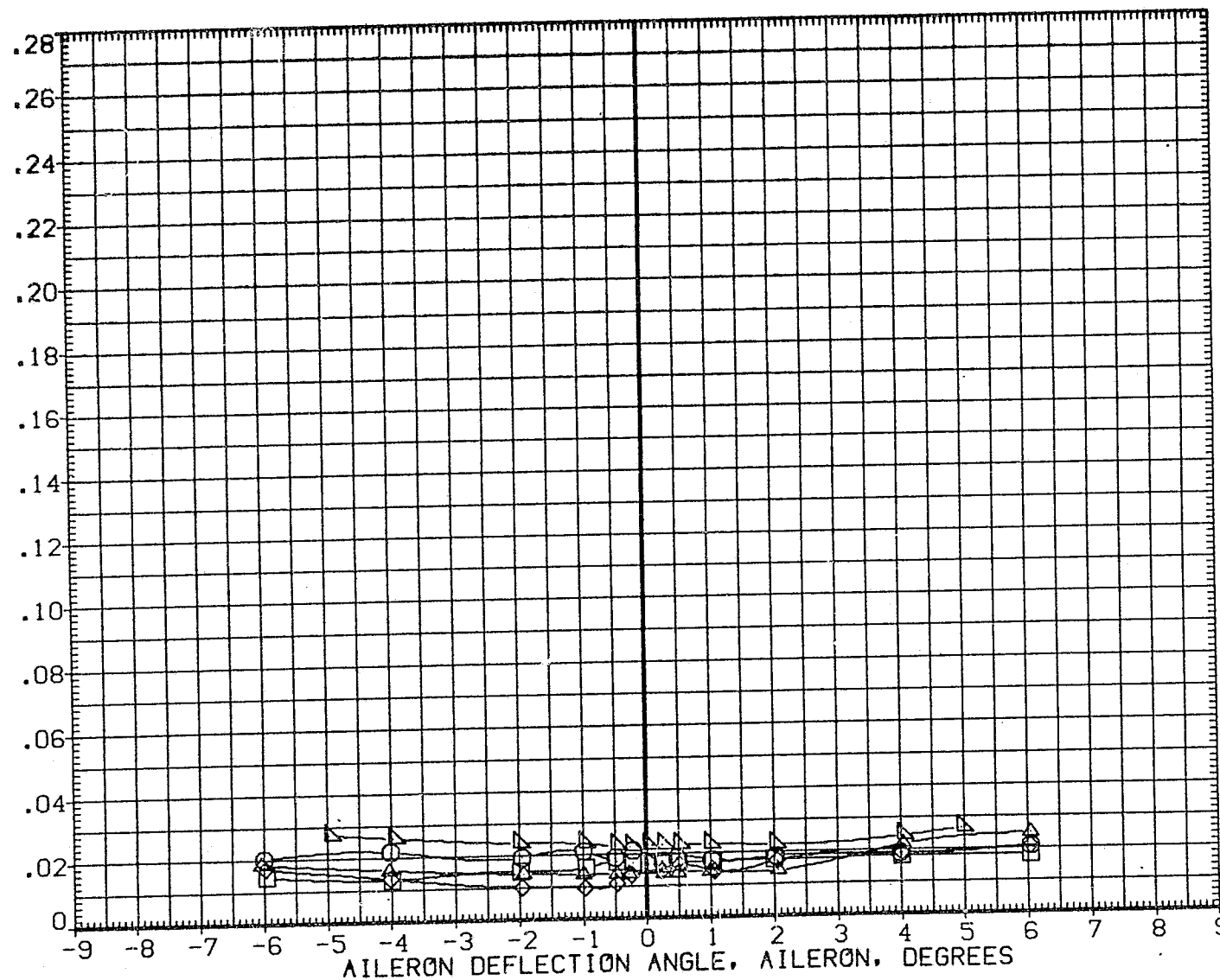


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

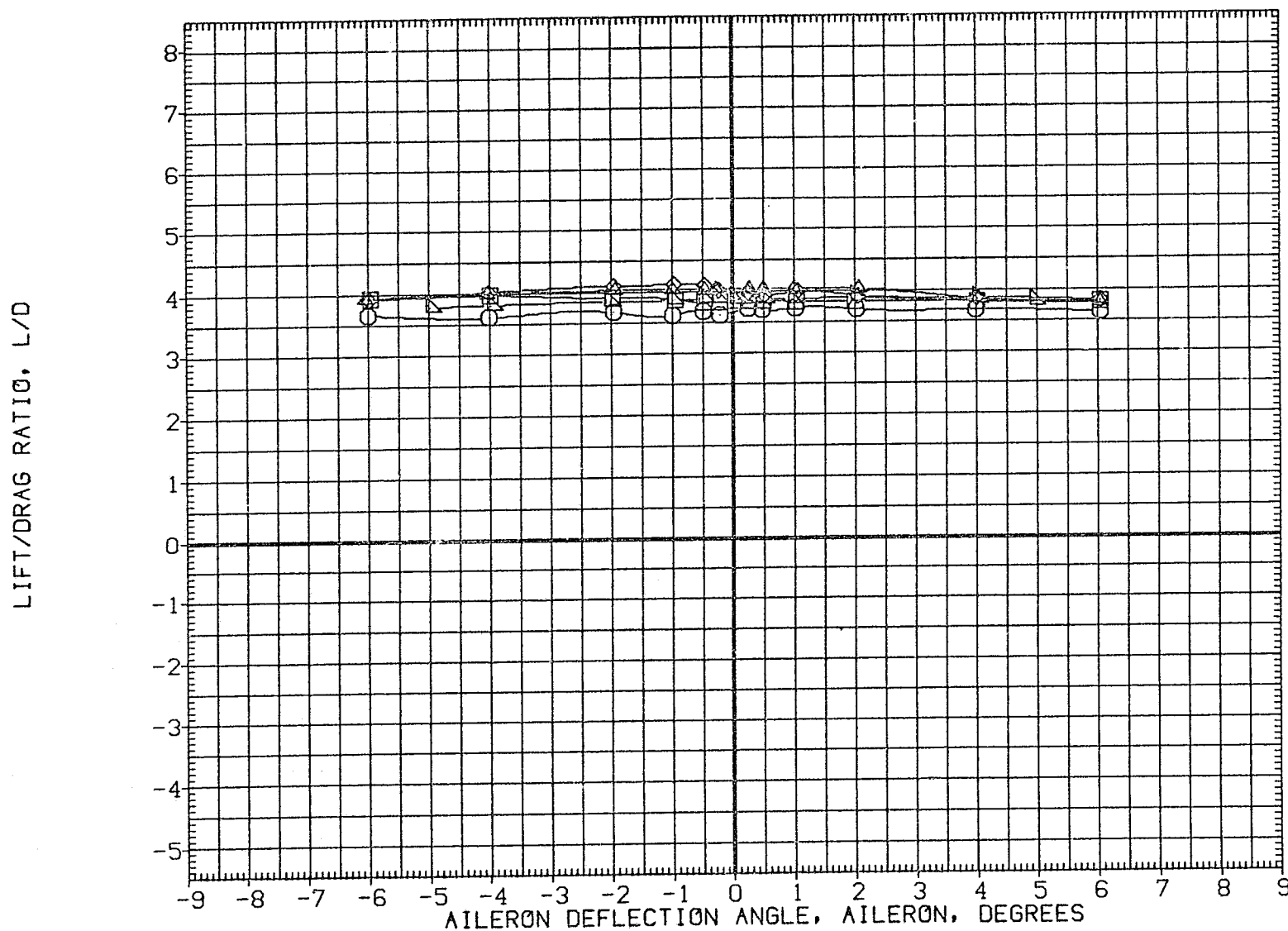


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(XJ3A75) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3076) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3077) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3078) LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3080) LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH ELEVON
 13.000 .600 -10.000
 13.000 .600 -5.000
 13.000 .600 .000
 13.000 .600 5.000
 13.000 .600 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

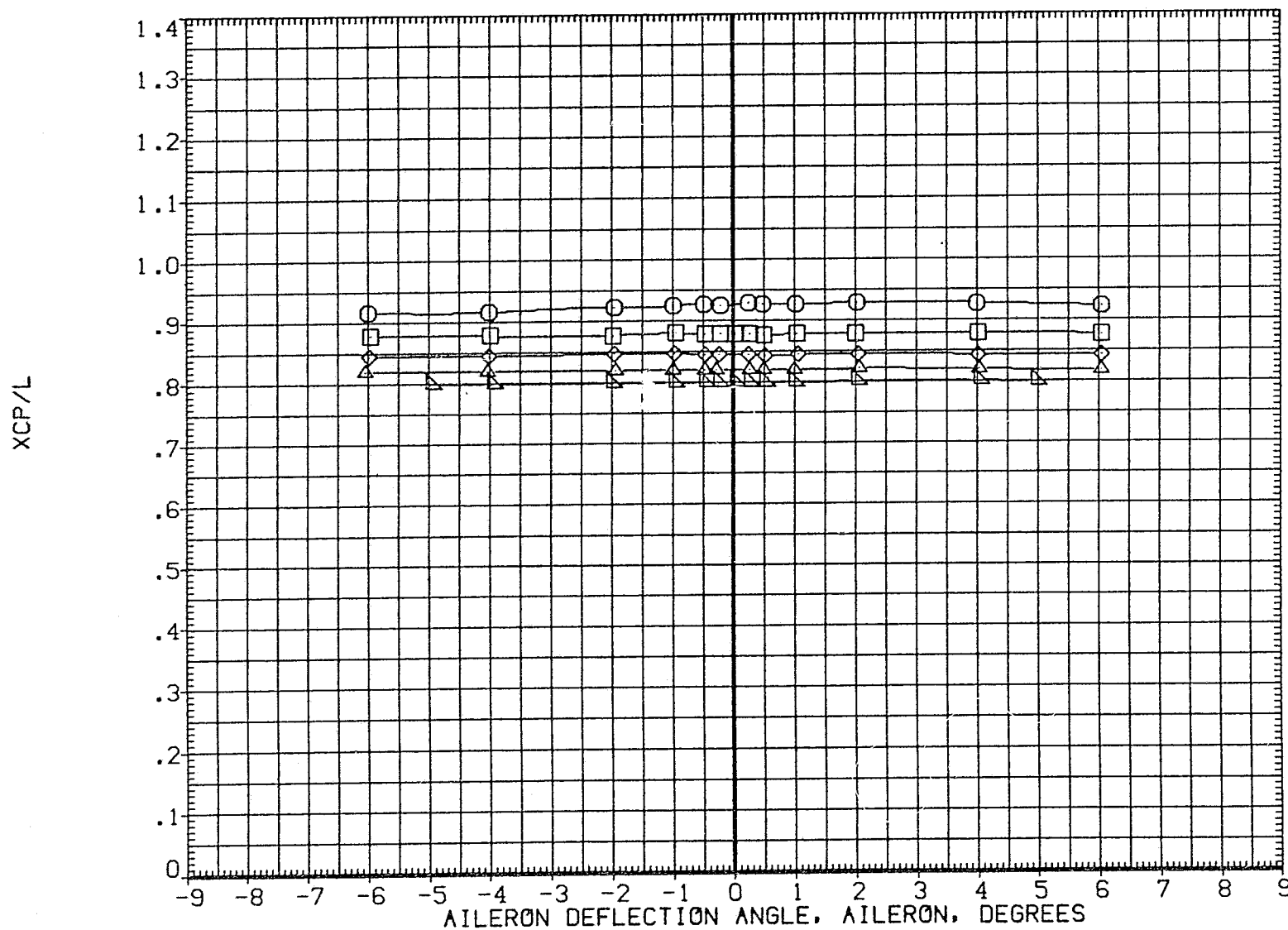


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

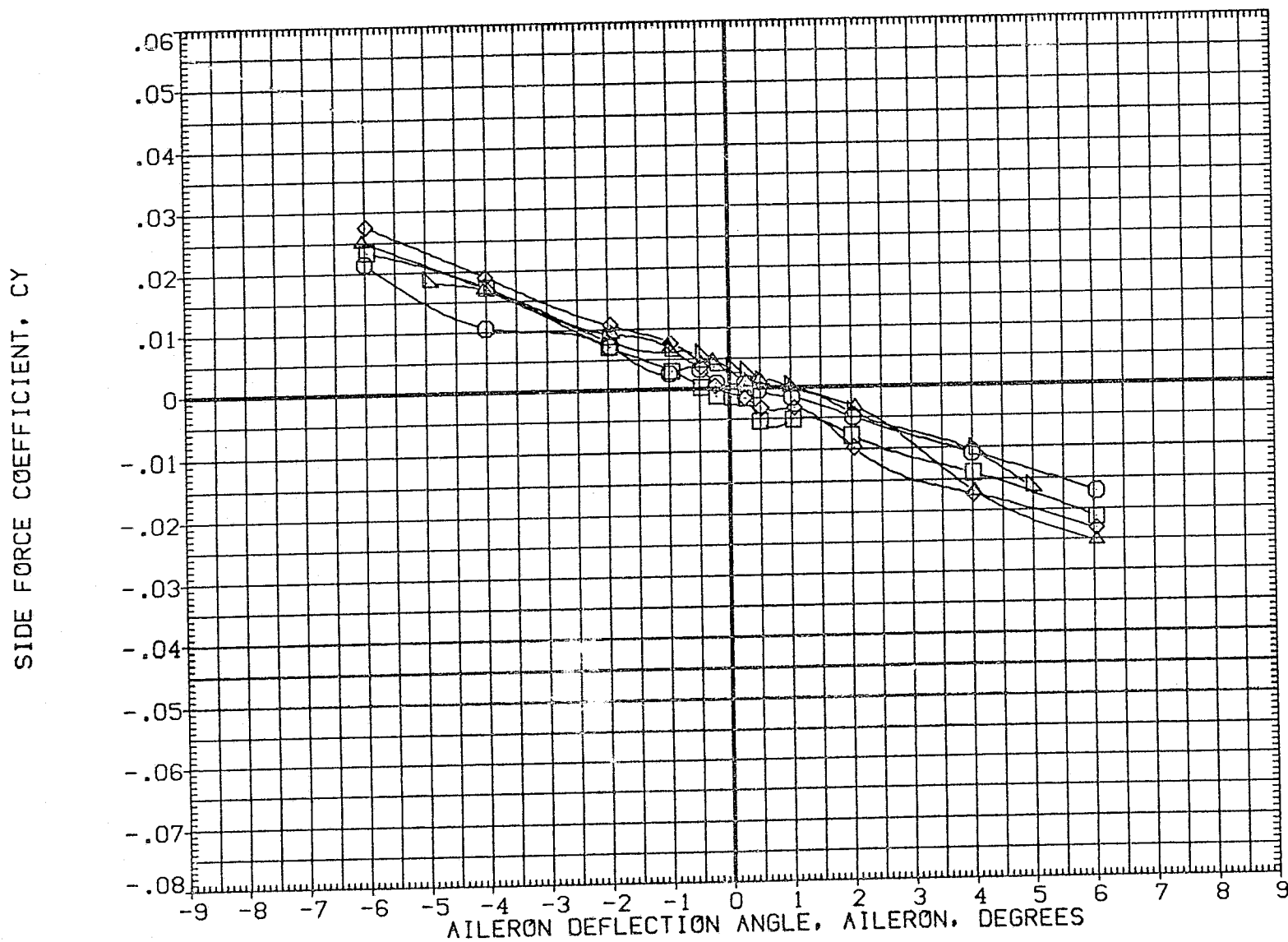


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

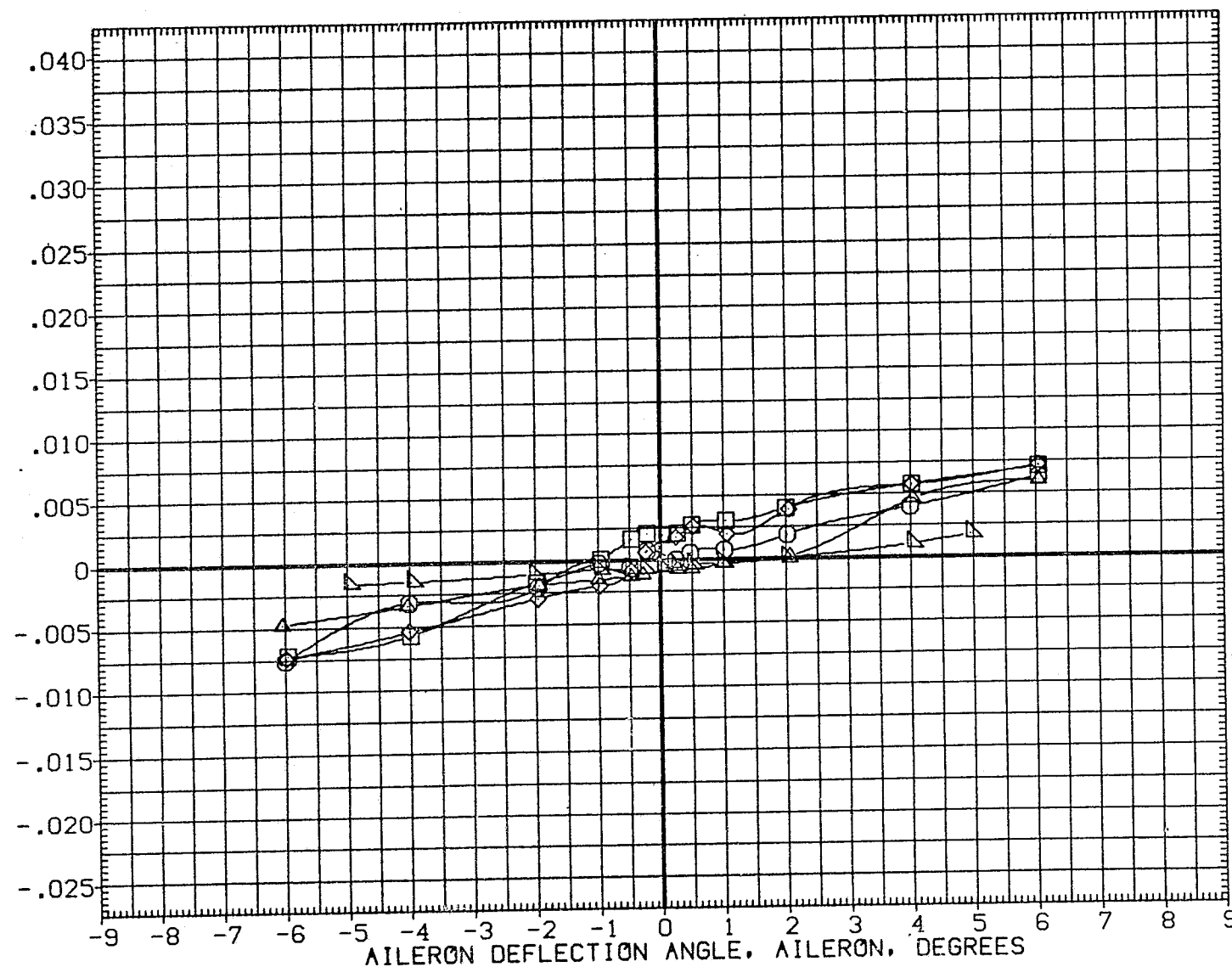


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3A75)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3076)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3078)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
13.000	.600	-10.000
13.000	.600	-5.000
13.000	.600	.000
13.000	.600	5.000
13.000	.600	10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

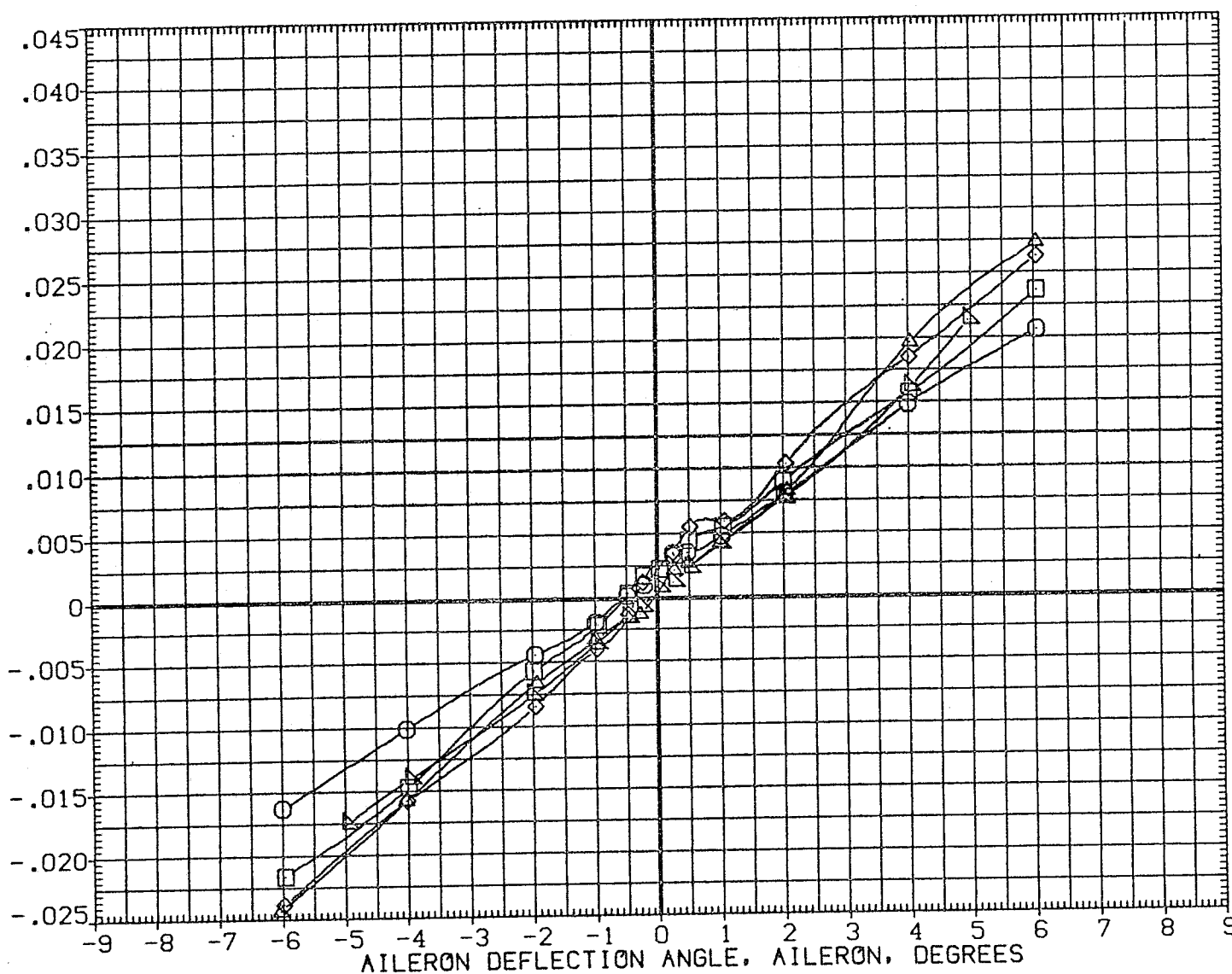


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3080) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

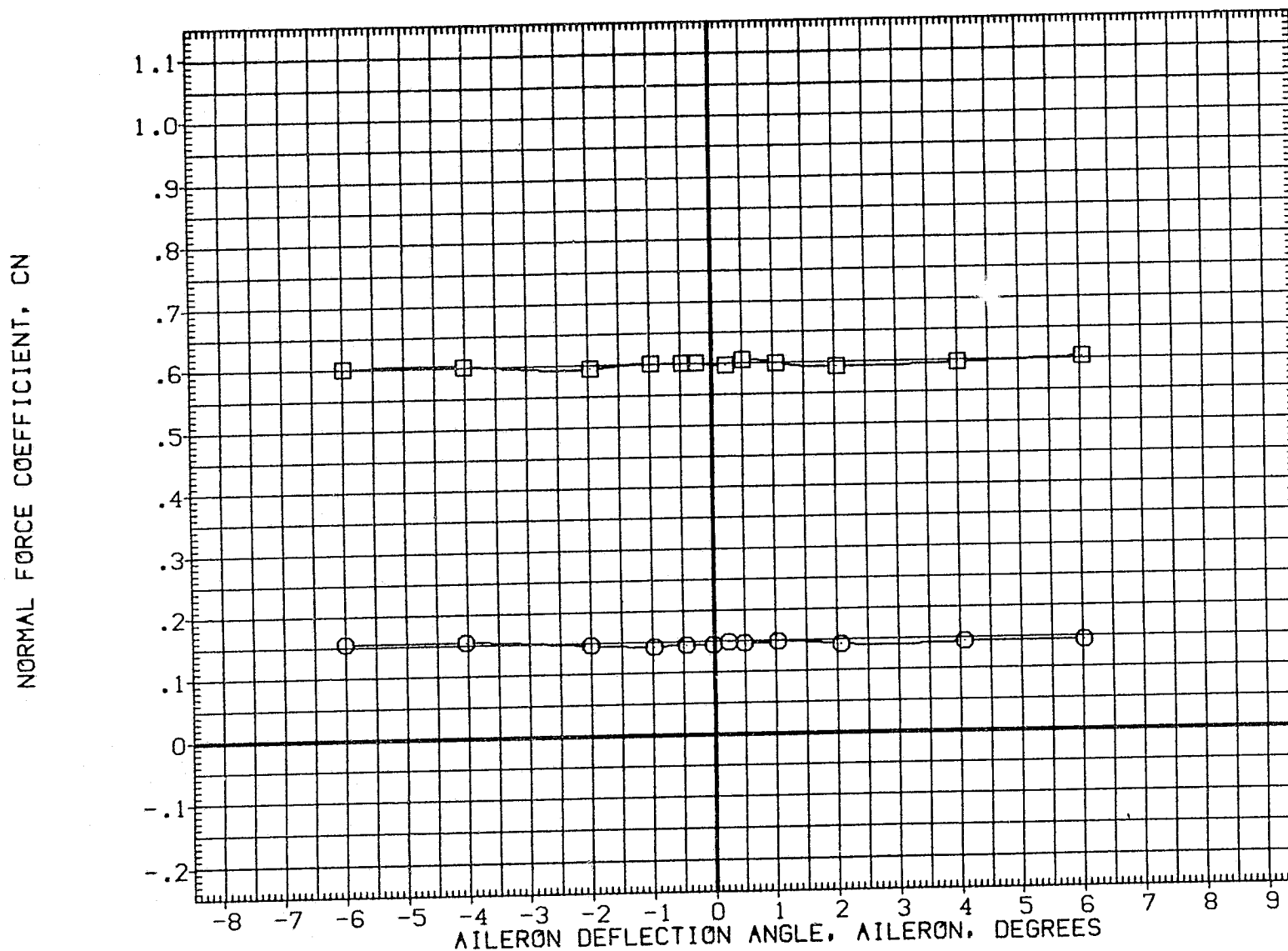


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3060)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

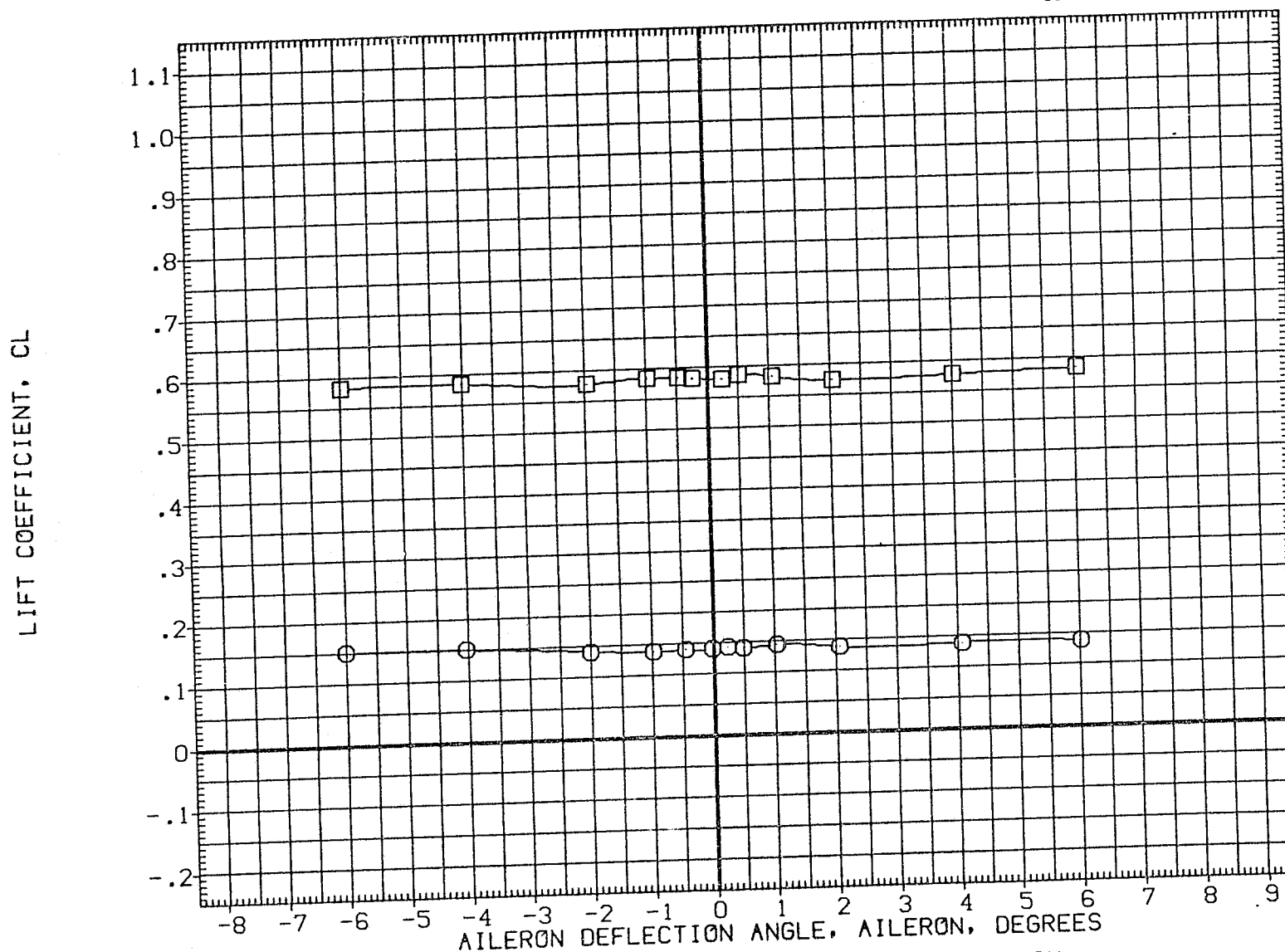


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3060)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

PITCHING MOMENT COEFFICIENT, CLM

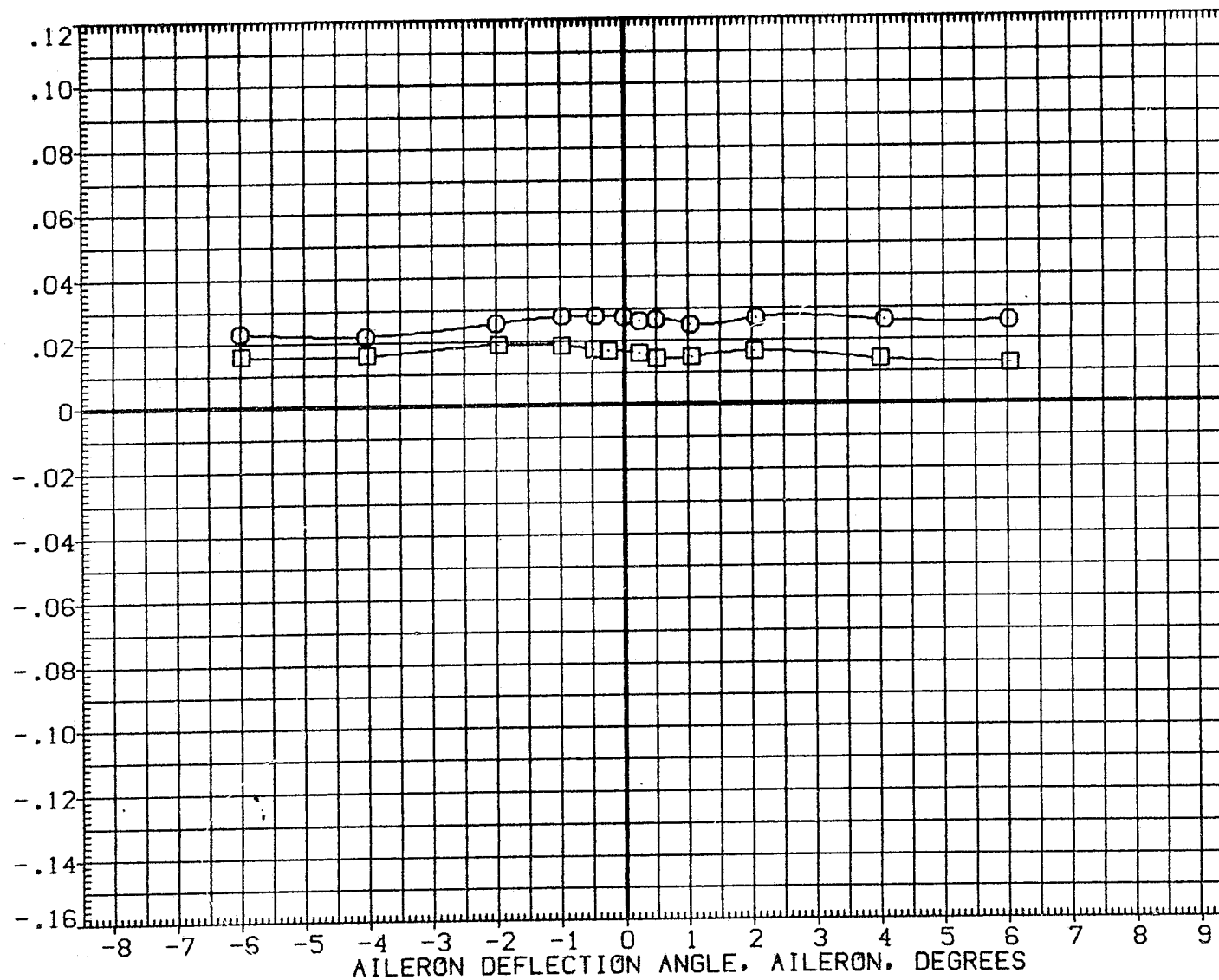


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3060) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

DRAG COEFFICIENT, CD

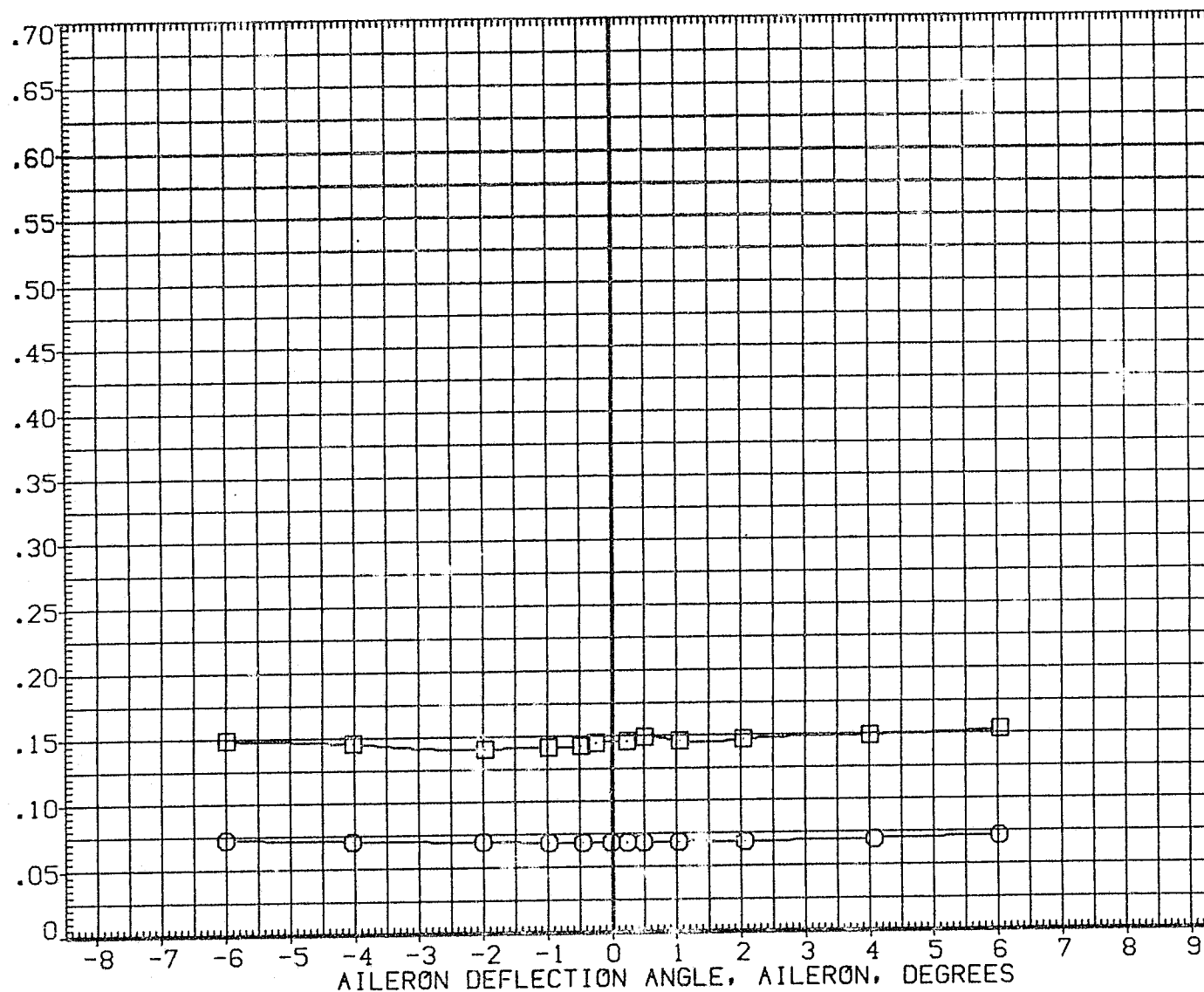


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3080)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

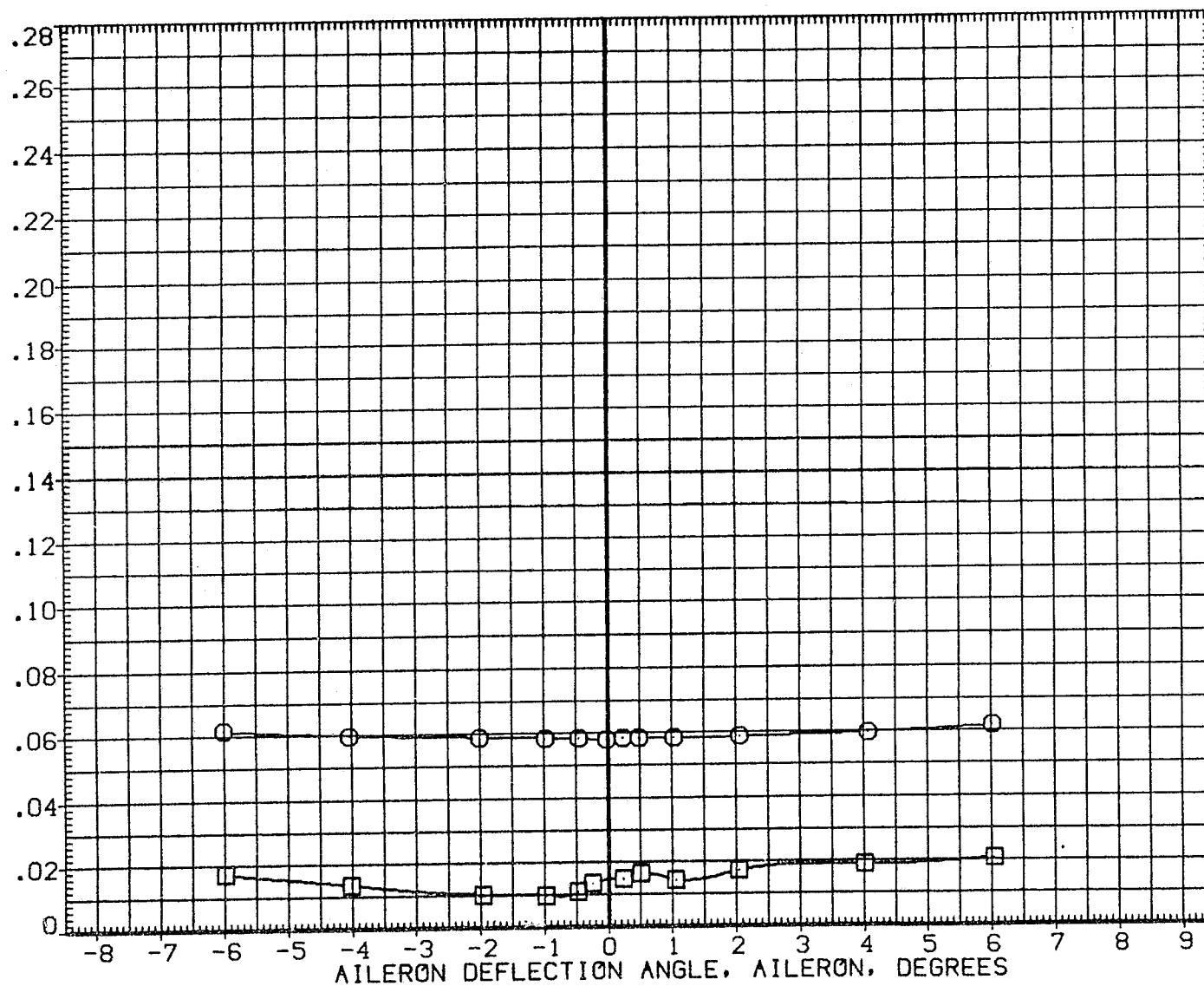


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3060)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

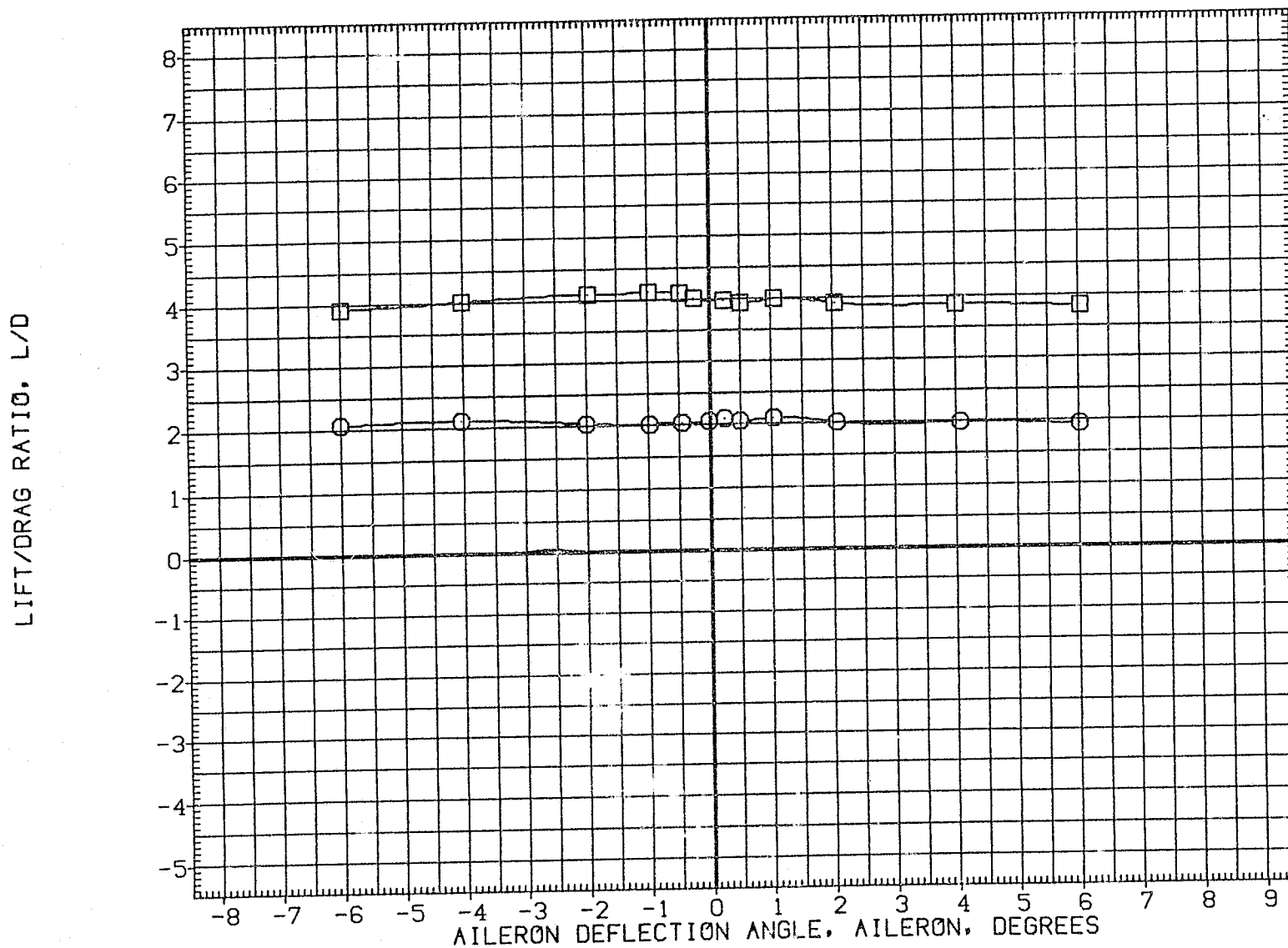


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3060) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3077) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

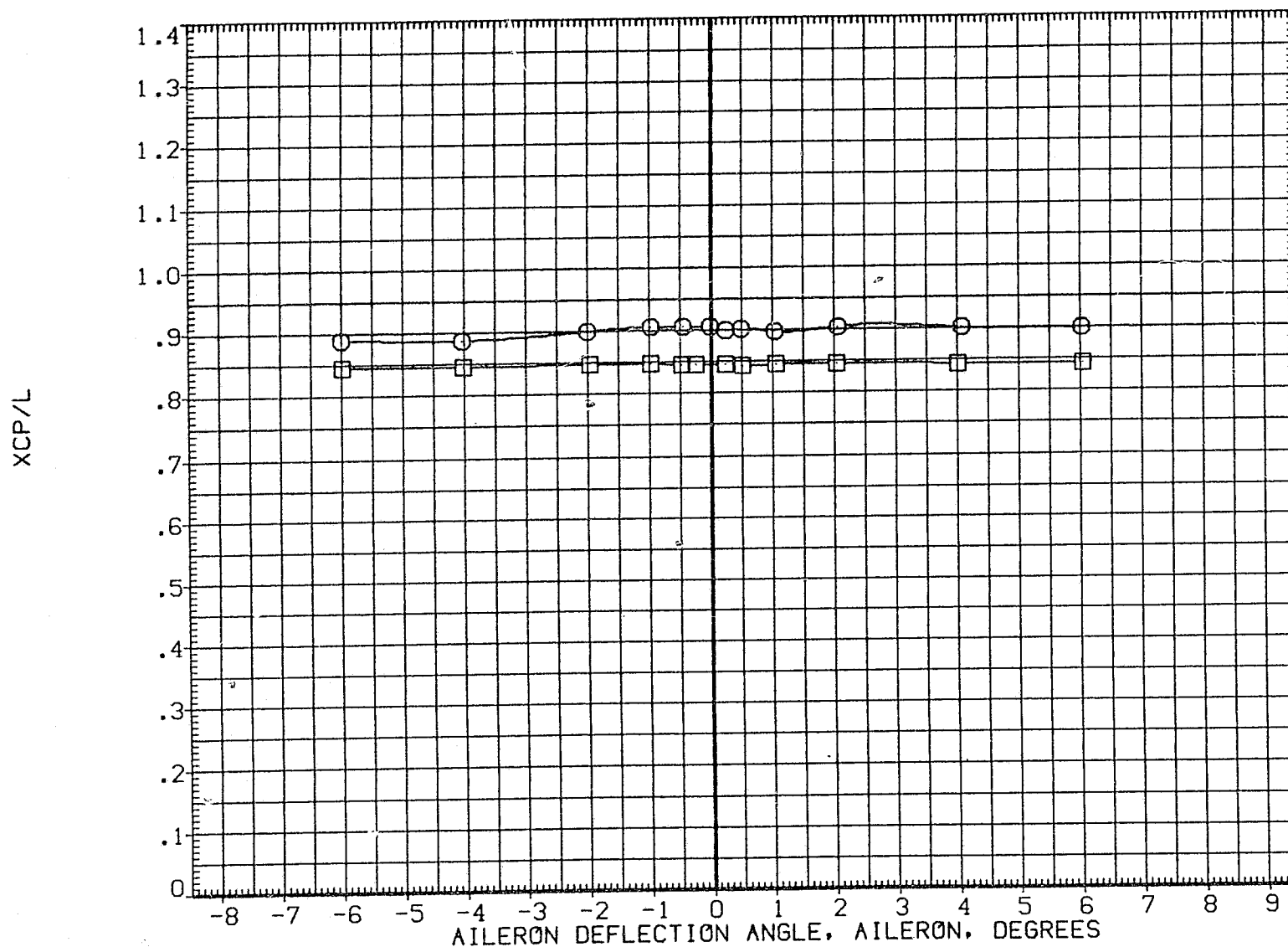


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3060)	□ LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077)	○ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

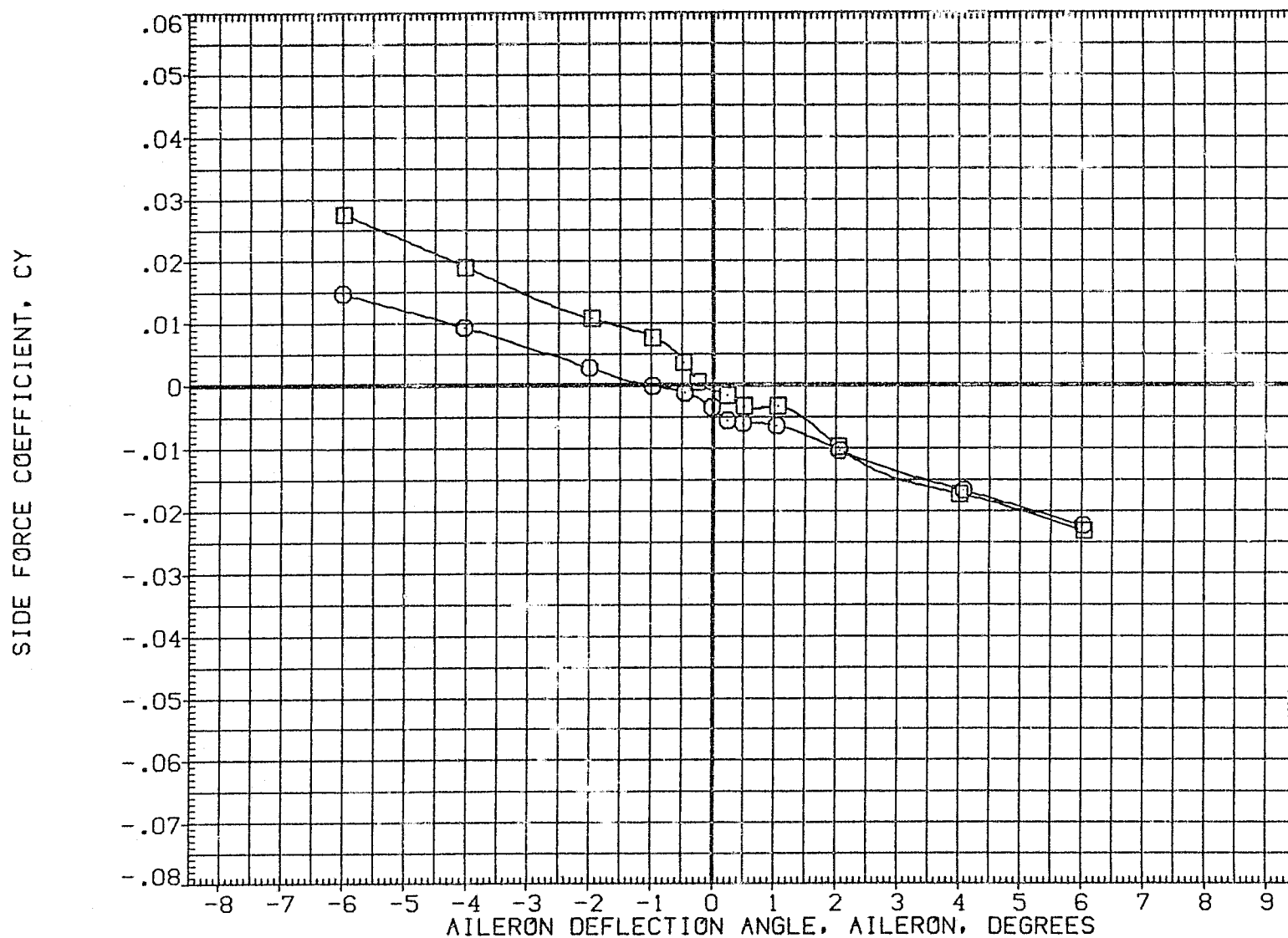


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3060) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

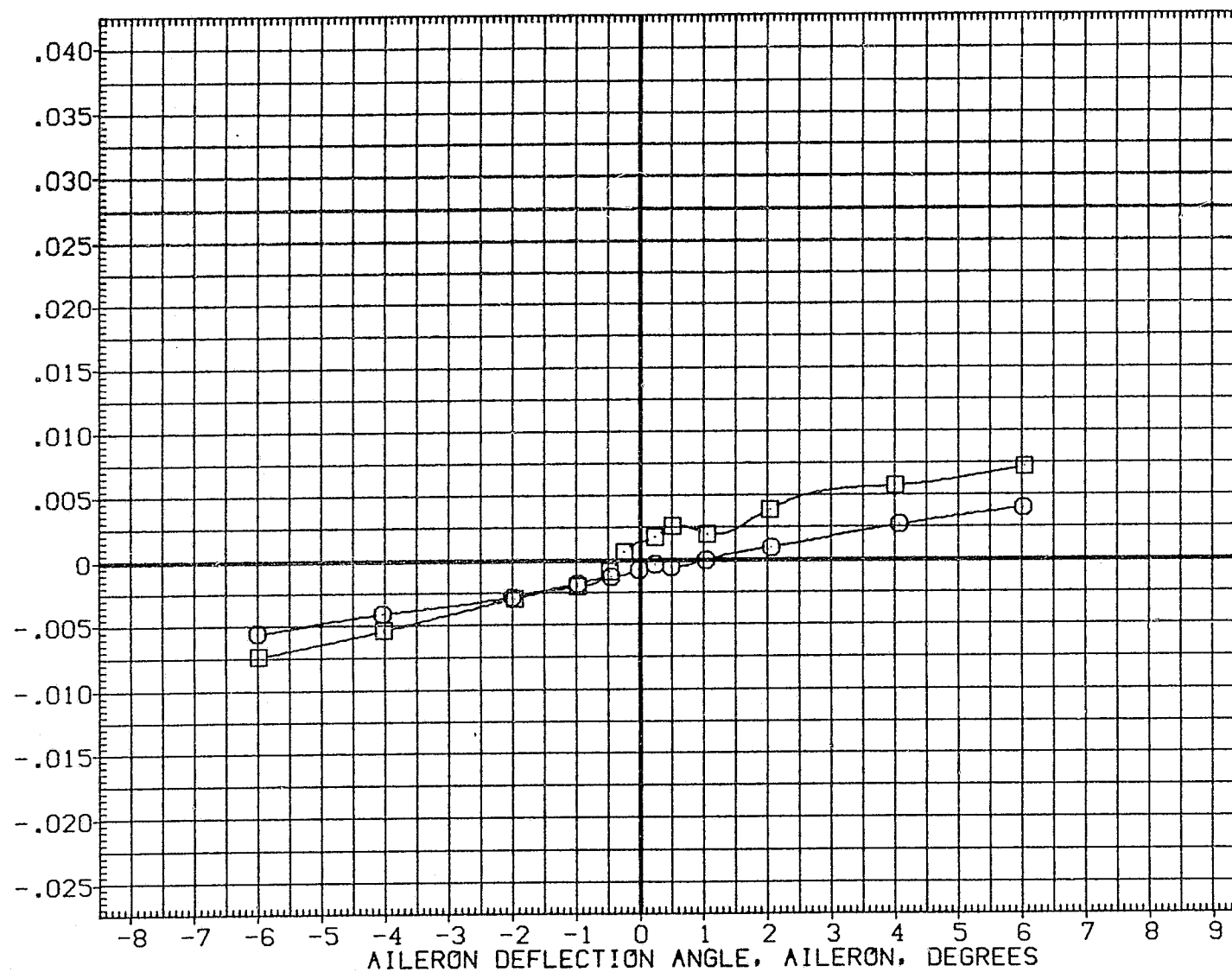


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3060)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3077)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ELEVON
4.000	.600	.000
13.000	.600	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

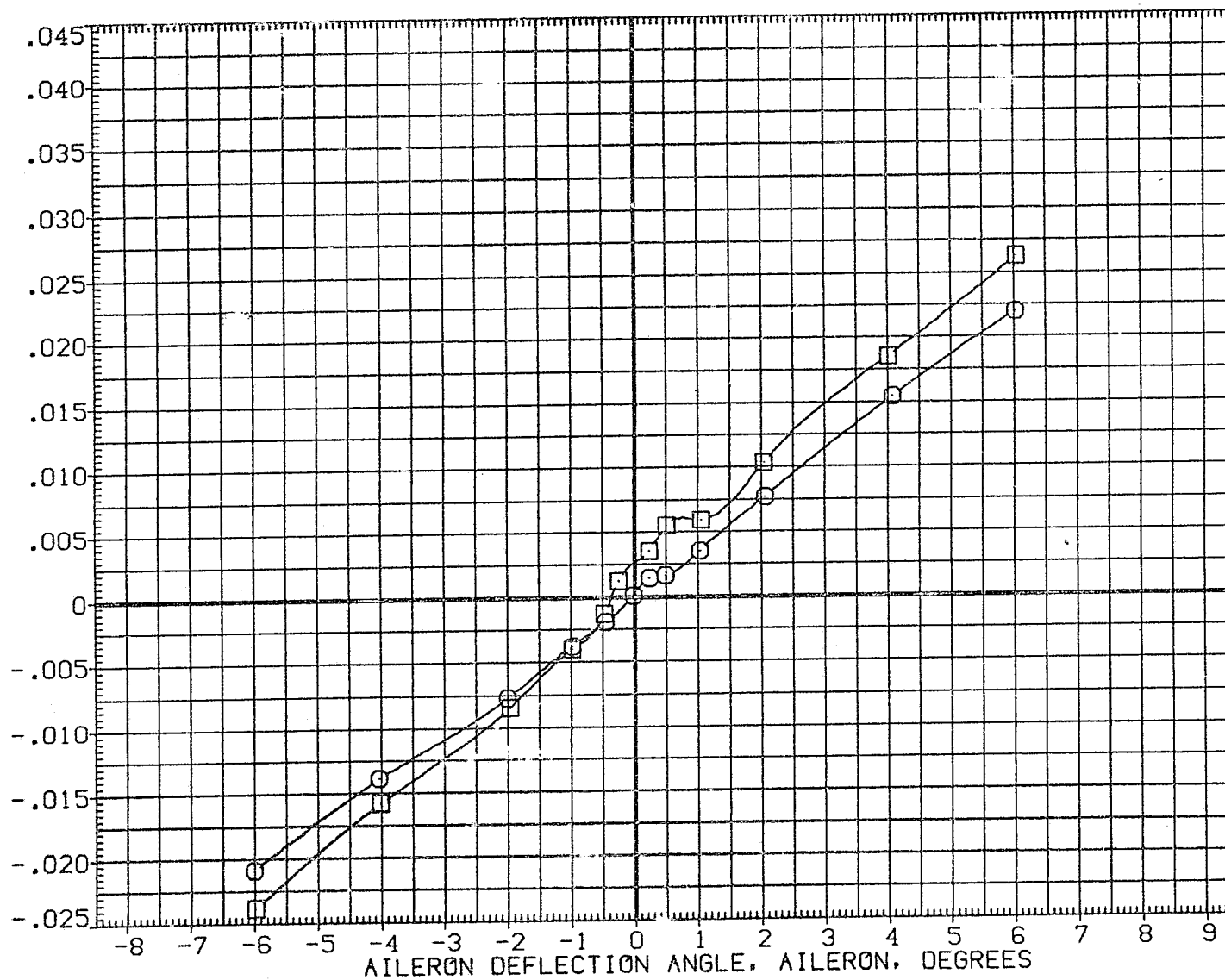


FIGURE 14. EFFECTS OF AILERON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3B63) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A63) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XM RP	1076.7000	IN. X0
YM RP	.0000	IN. Y0
ZM RP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

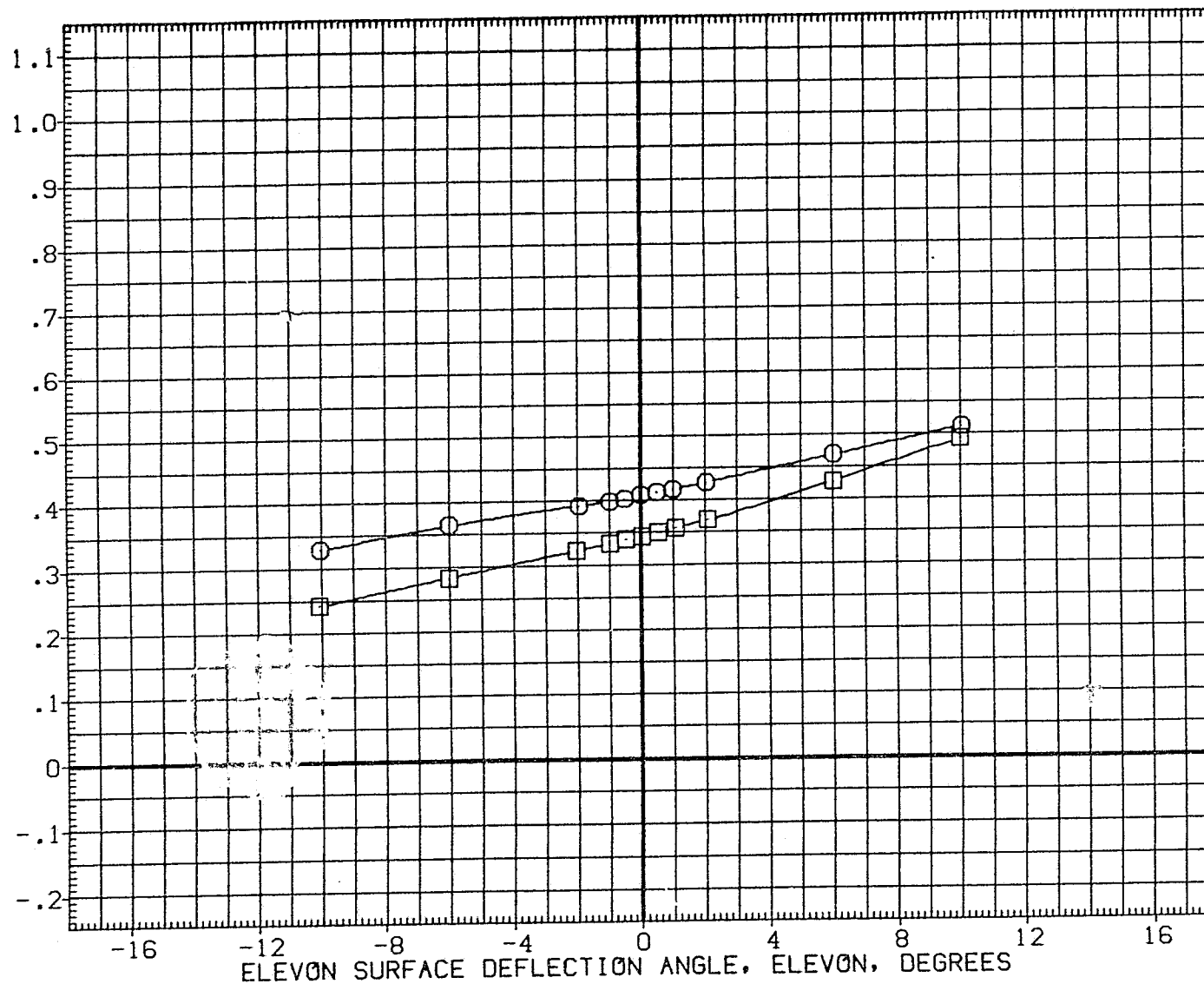


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3863) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A63) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRF	1076.7000	IN. X0
YMRF	.0000	IN. Y0
ZMRF	375.0000	IN. Z0
SCALE	.0150	

LIFT COEFFICIENT, CL

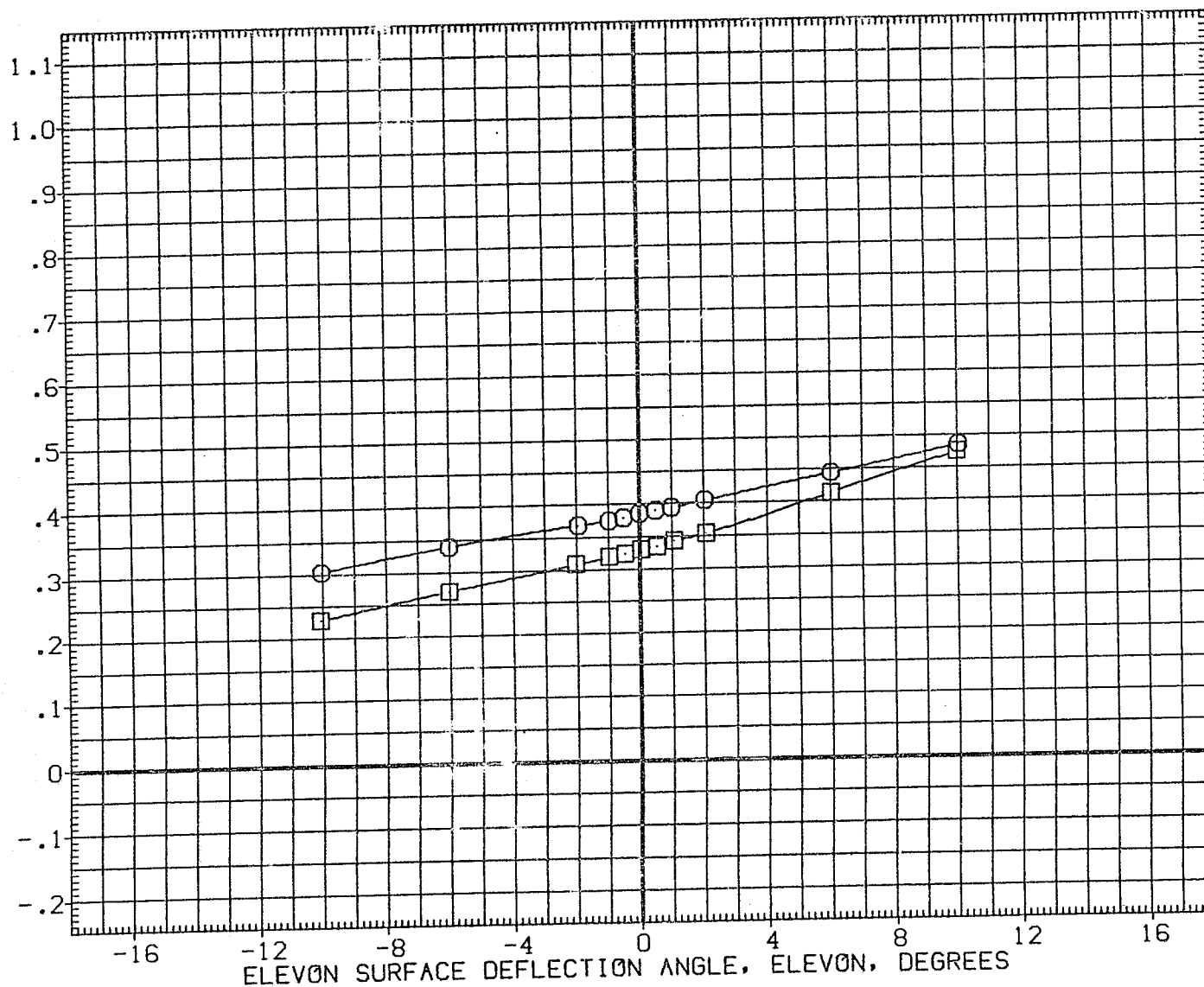


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A) MACH = .90 (B) 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3B63)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3A63)  LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

PITCHING MOMENT COEFFICIENT, CLM

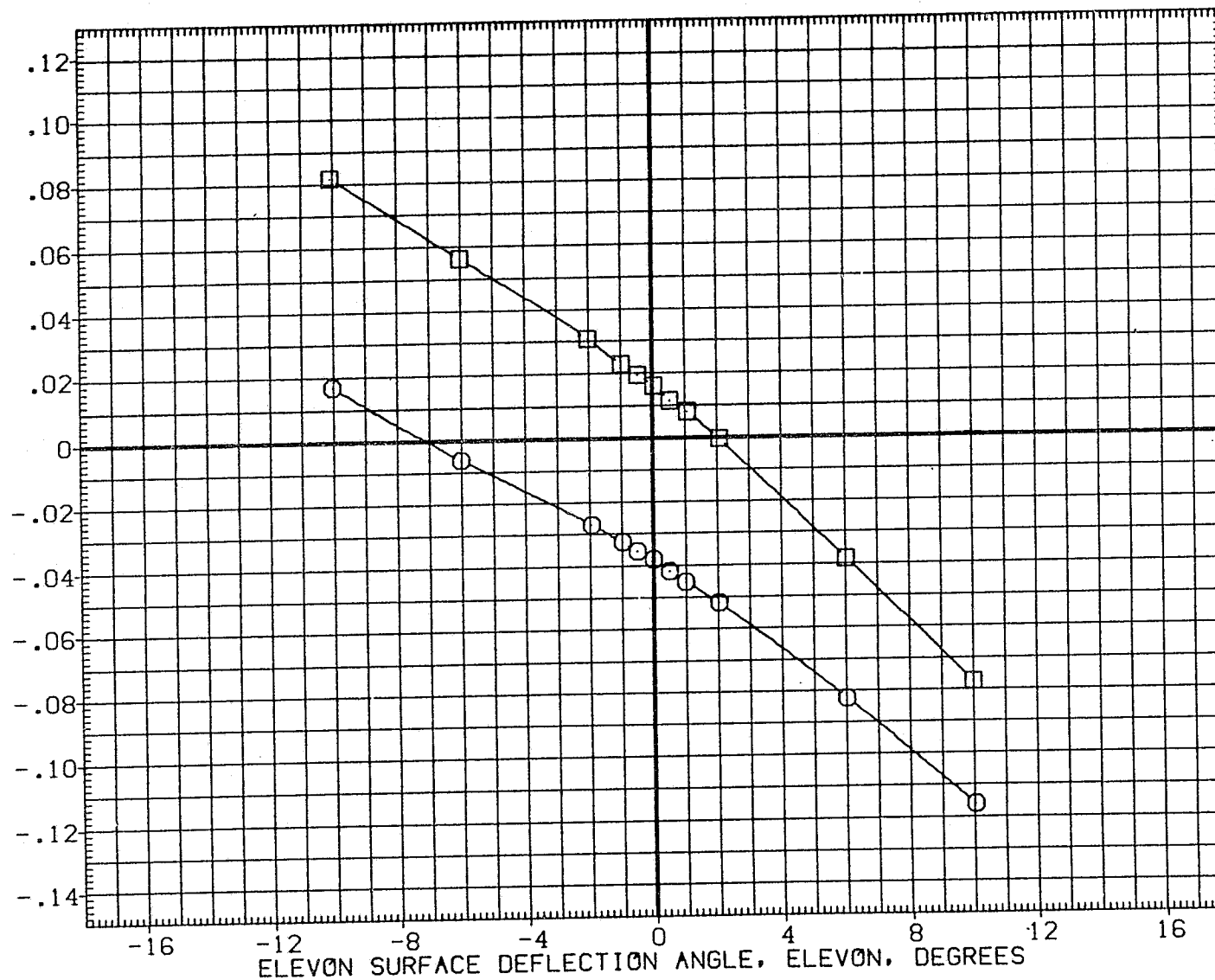


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A)MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3B63) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A63) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	ATTEN
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

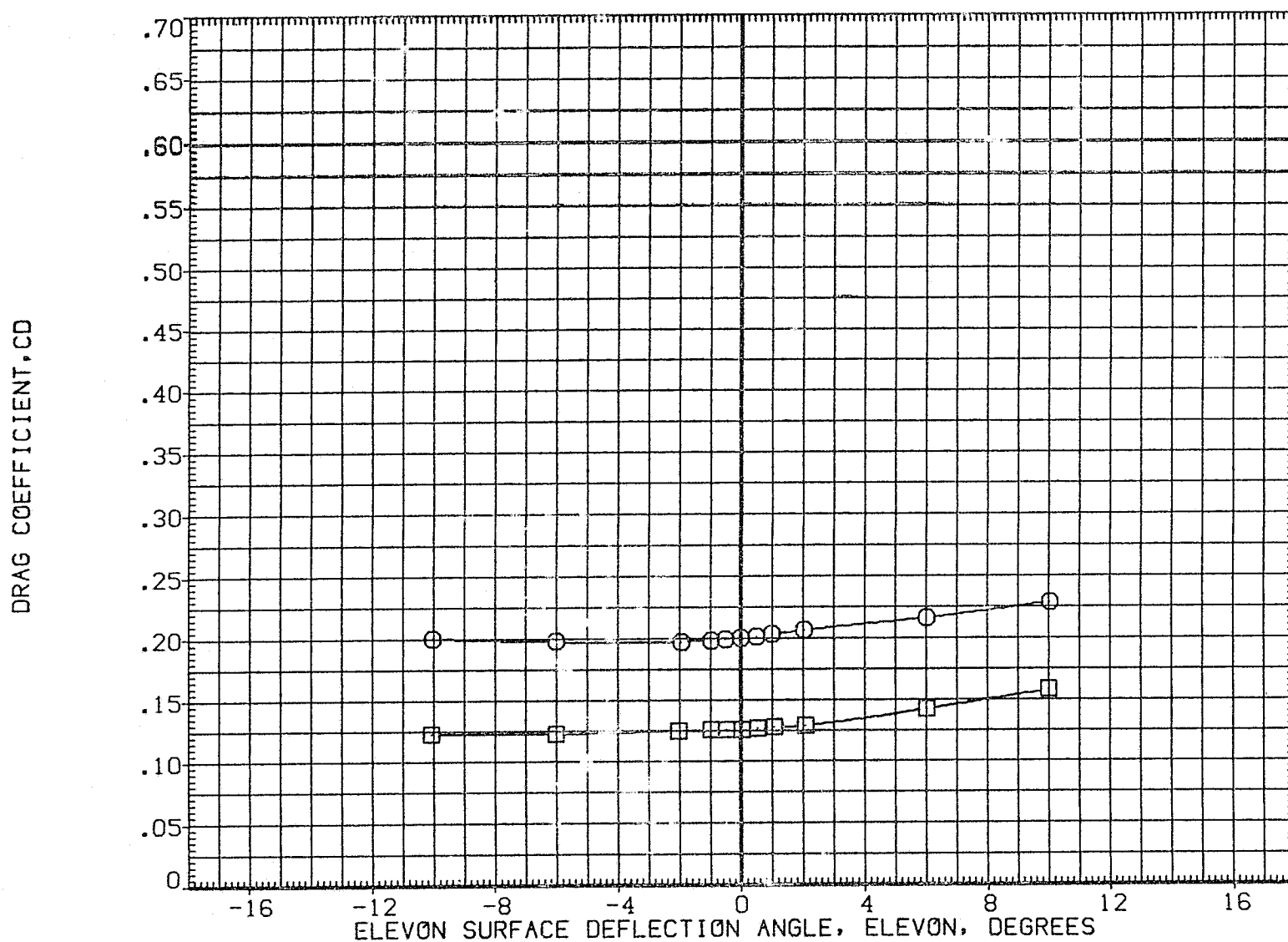


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
[XJ3B63]	LARC 8FT TPT 717(LA-62) 140C ORBITER
[XJ3A63]	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

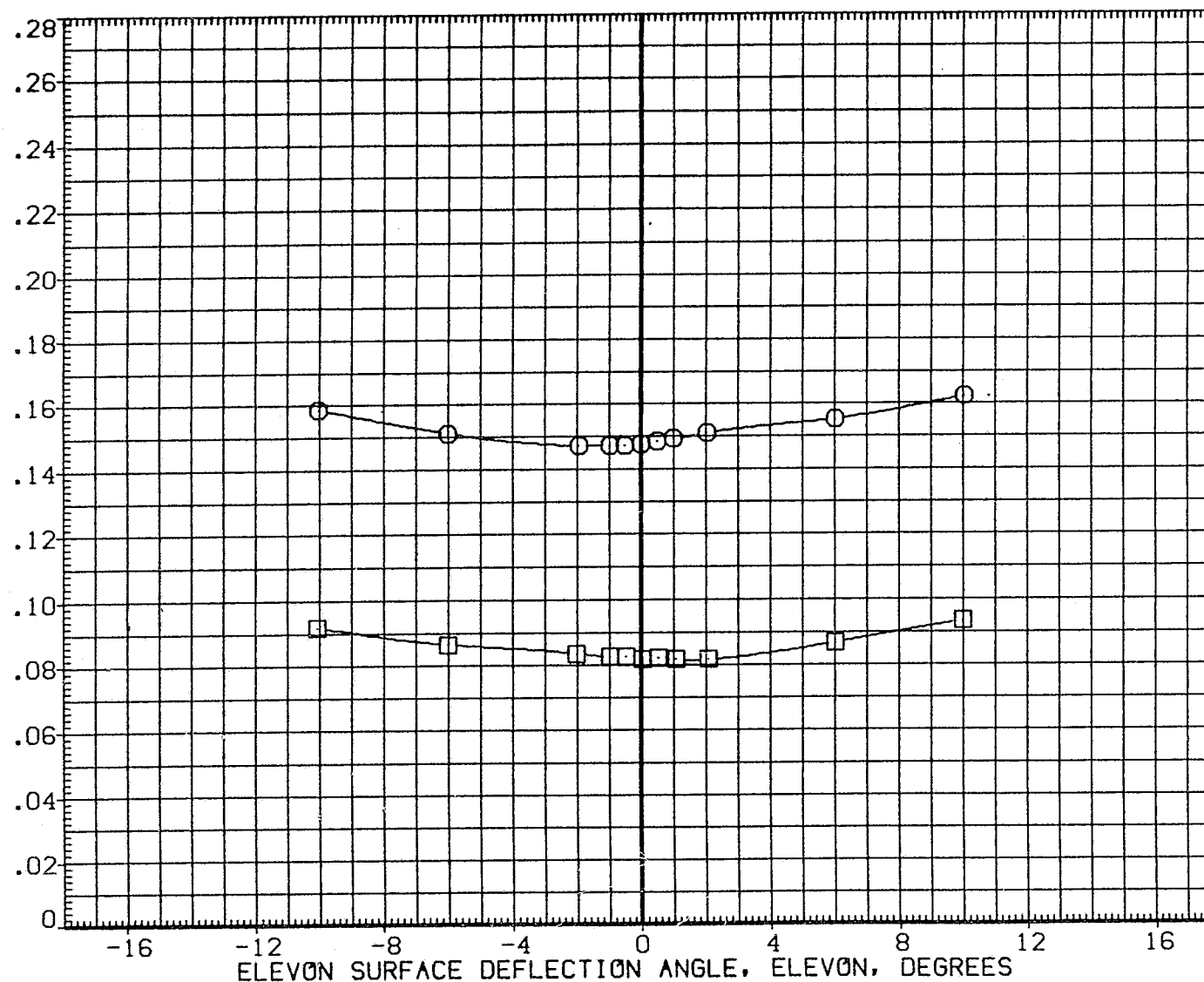


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3B63)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A63)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

LIFT/DRAG RATIO, L/D

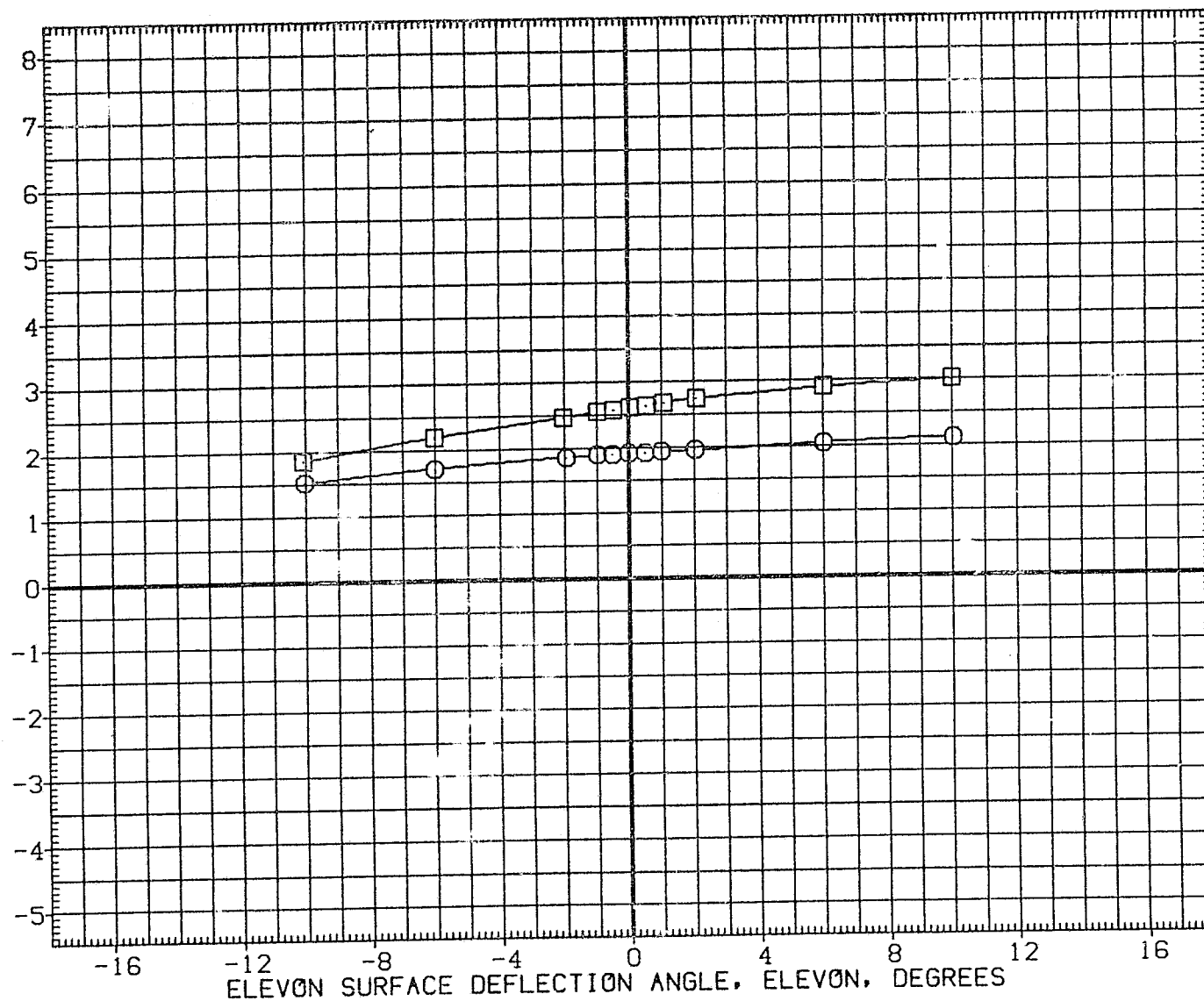


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .90 (B) 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (XJ3B63)  LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3A63)  LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

XCP/L

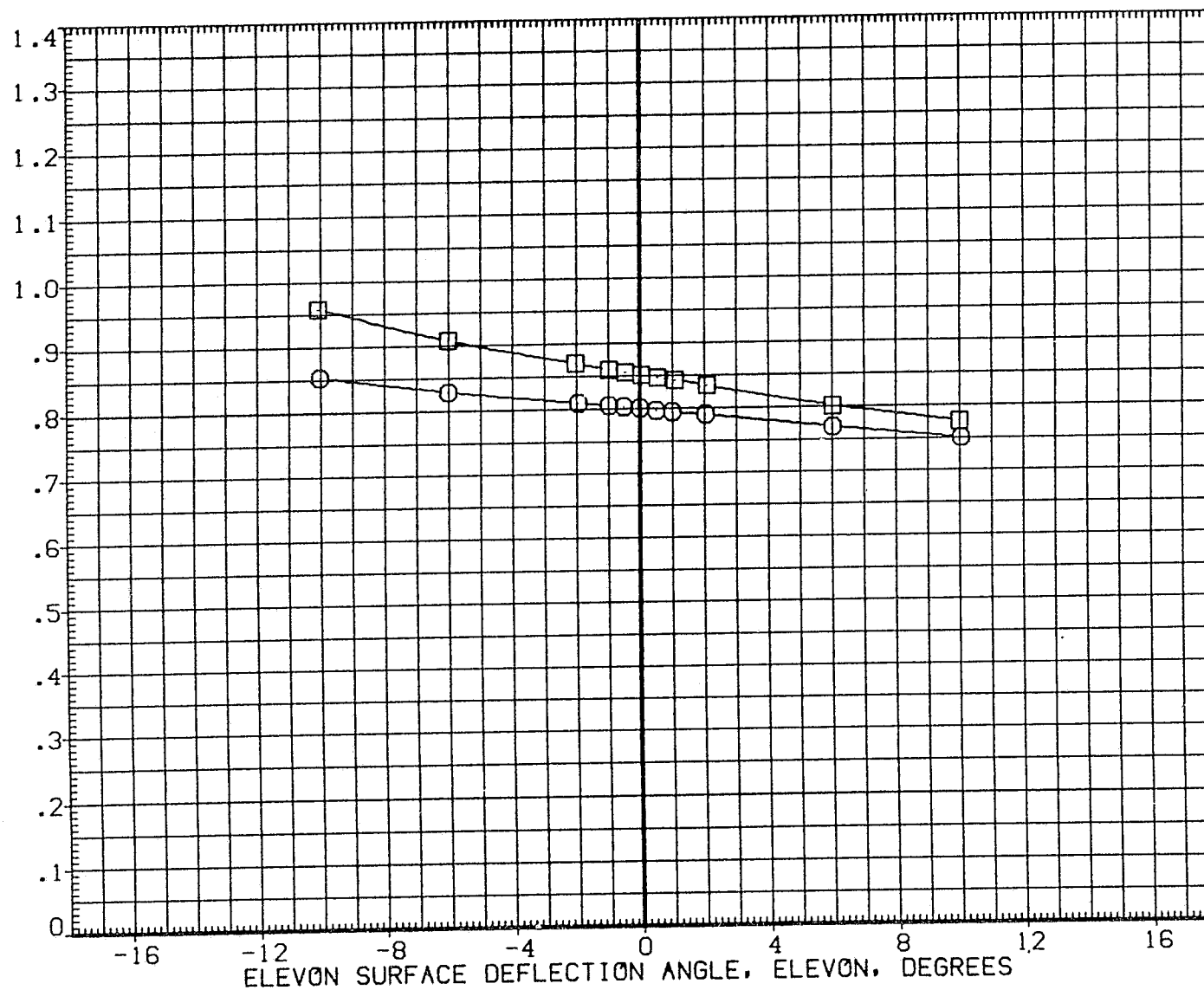


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3863) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A63) □	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

SIDE FORCE COEFFICIENT, CY

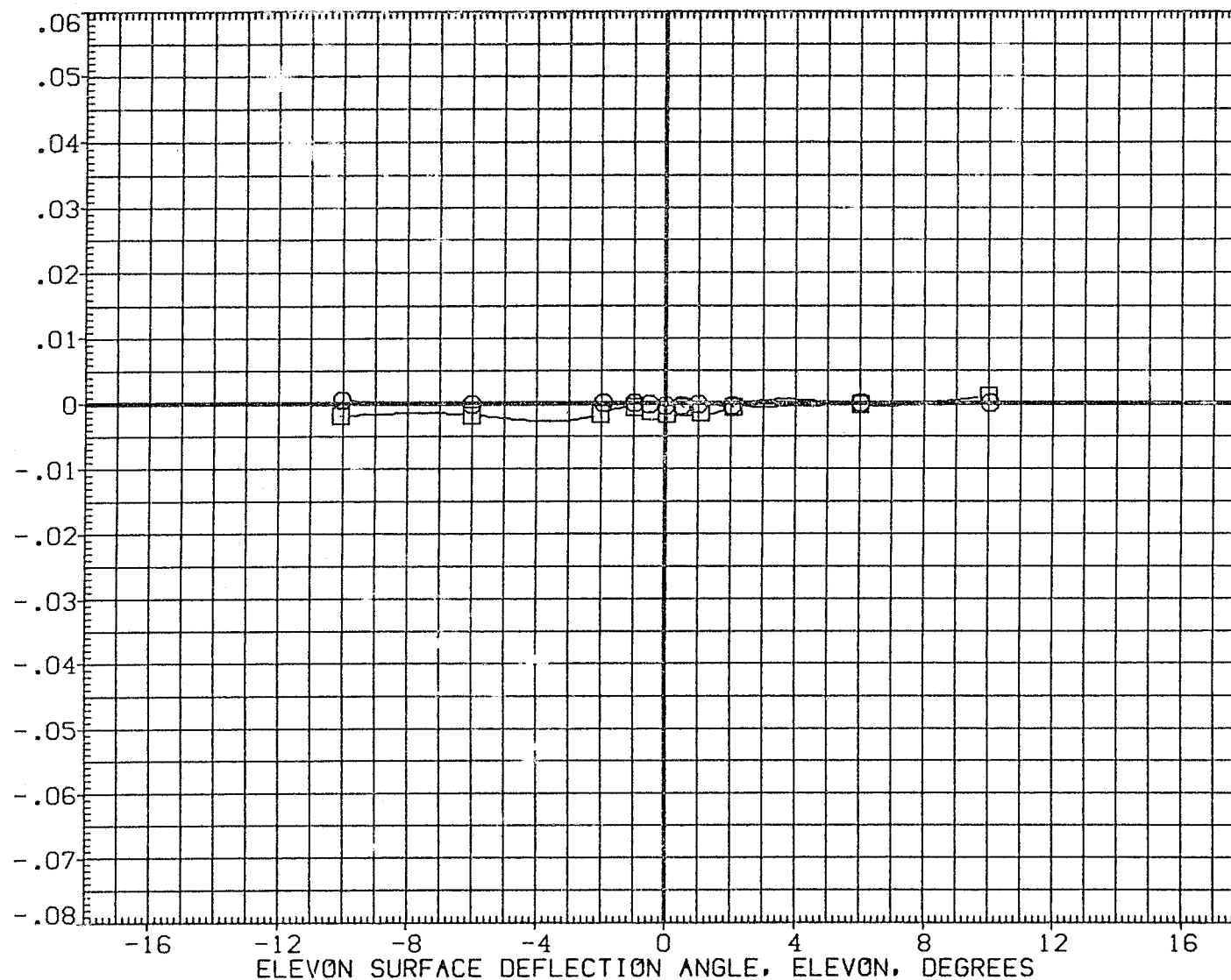


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3B63) 	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A63) 	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

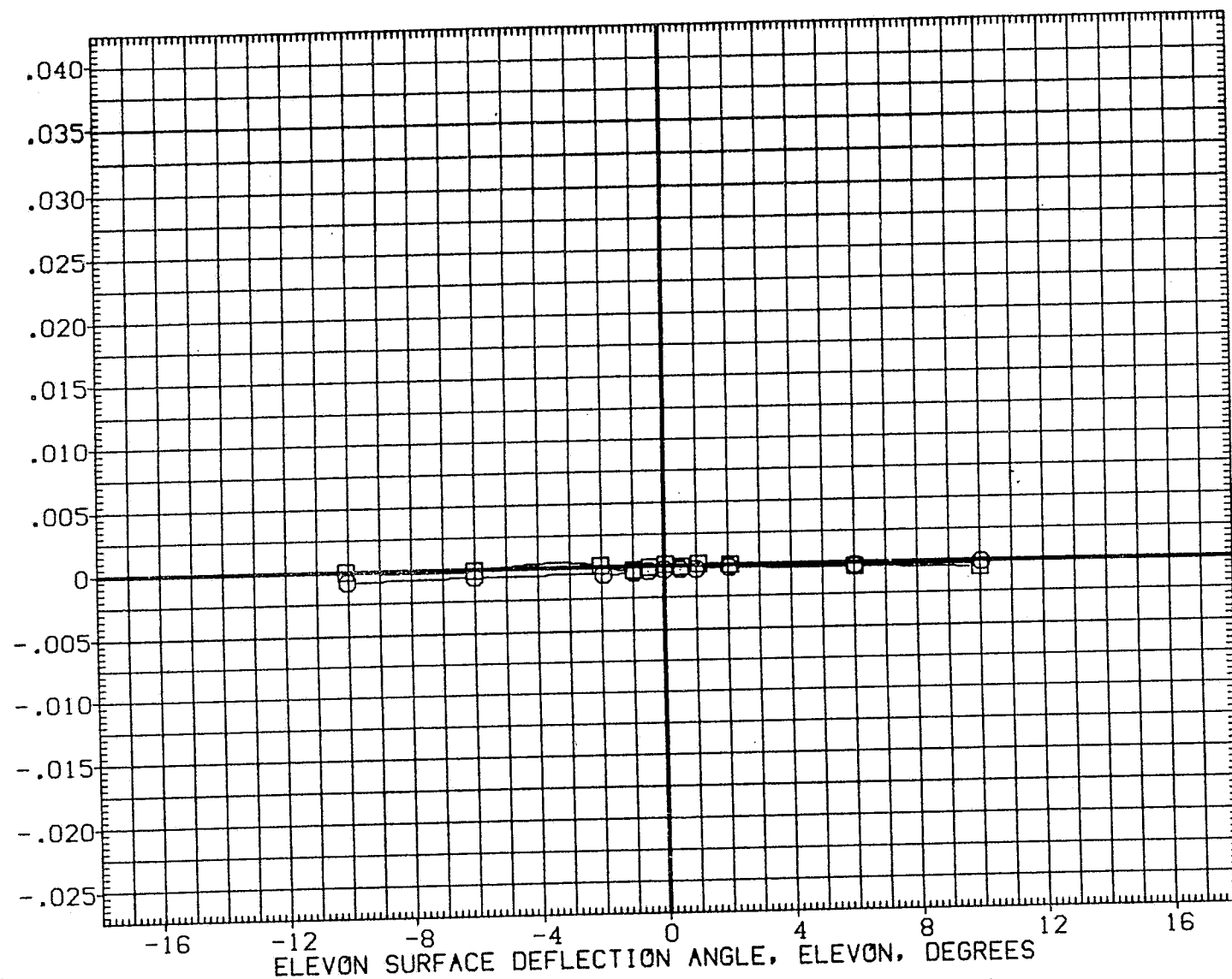


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3B63)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A63)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
7.500	1.200	.000
7.500	.900	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

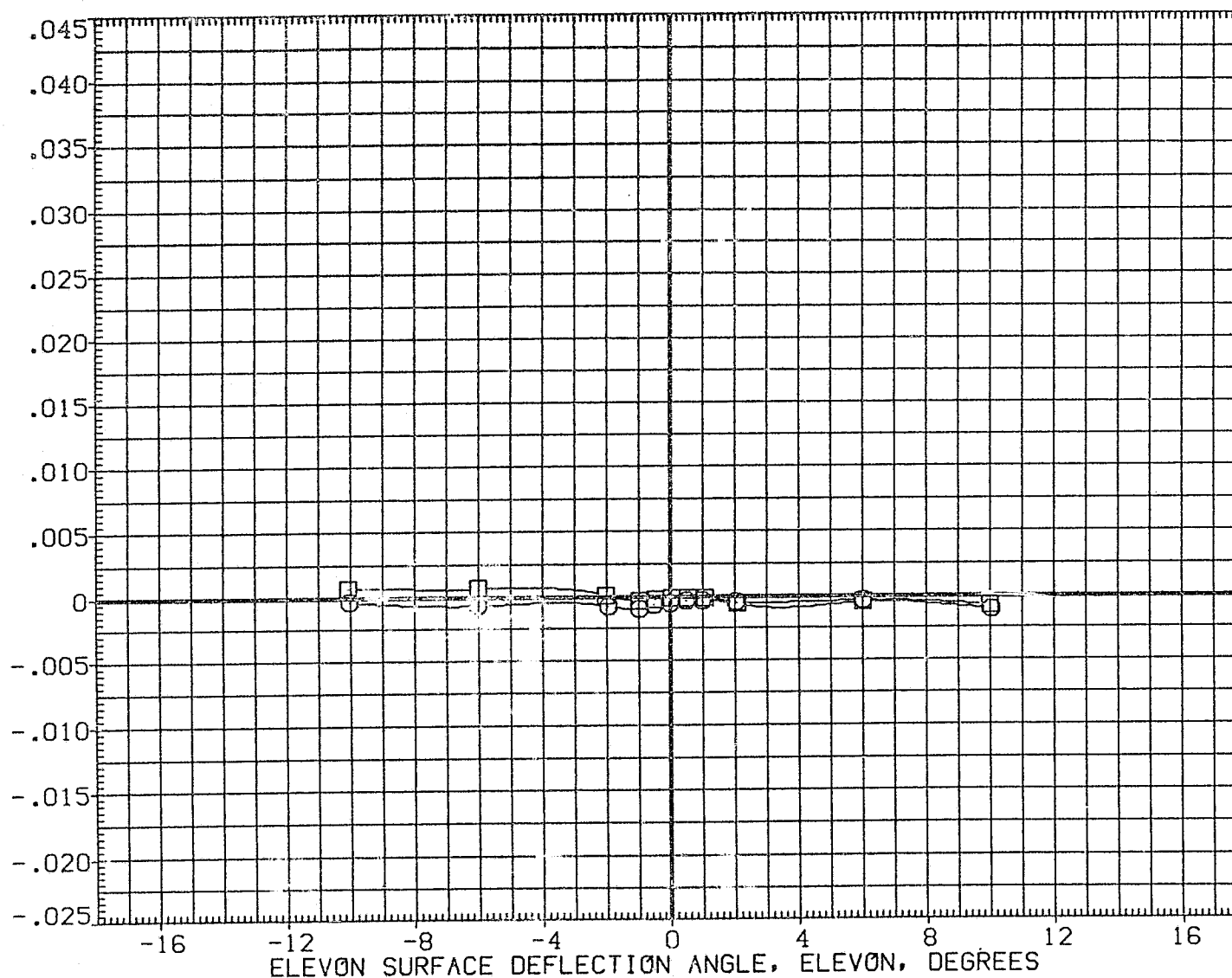


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .90 (B) 1.20

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A72)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

NORMAL FORCE COEFFICIENT, CN

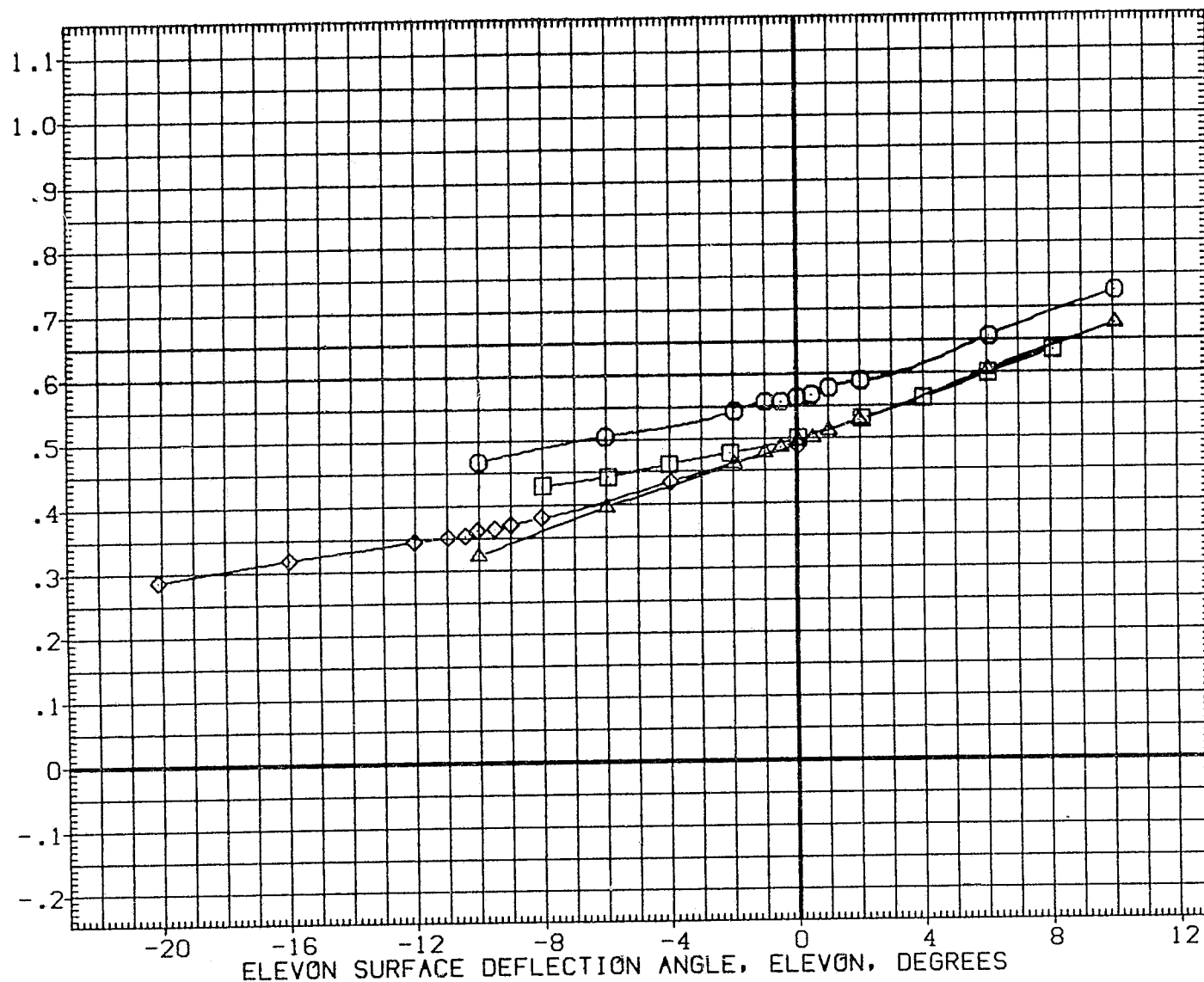


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A72)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

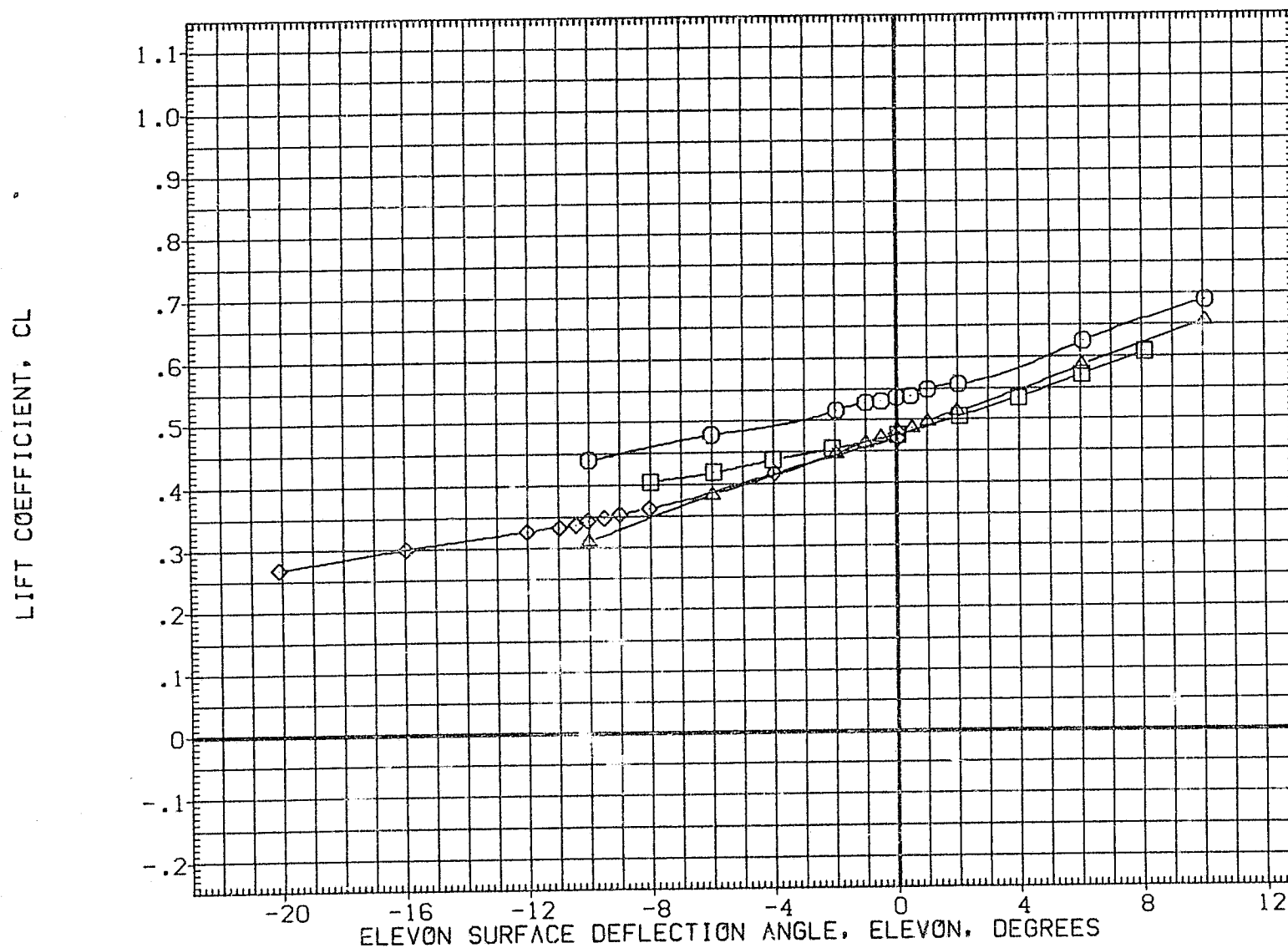


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A72)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

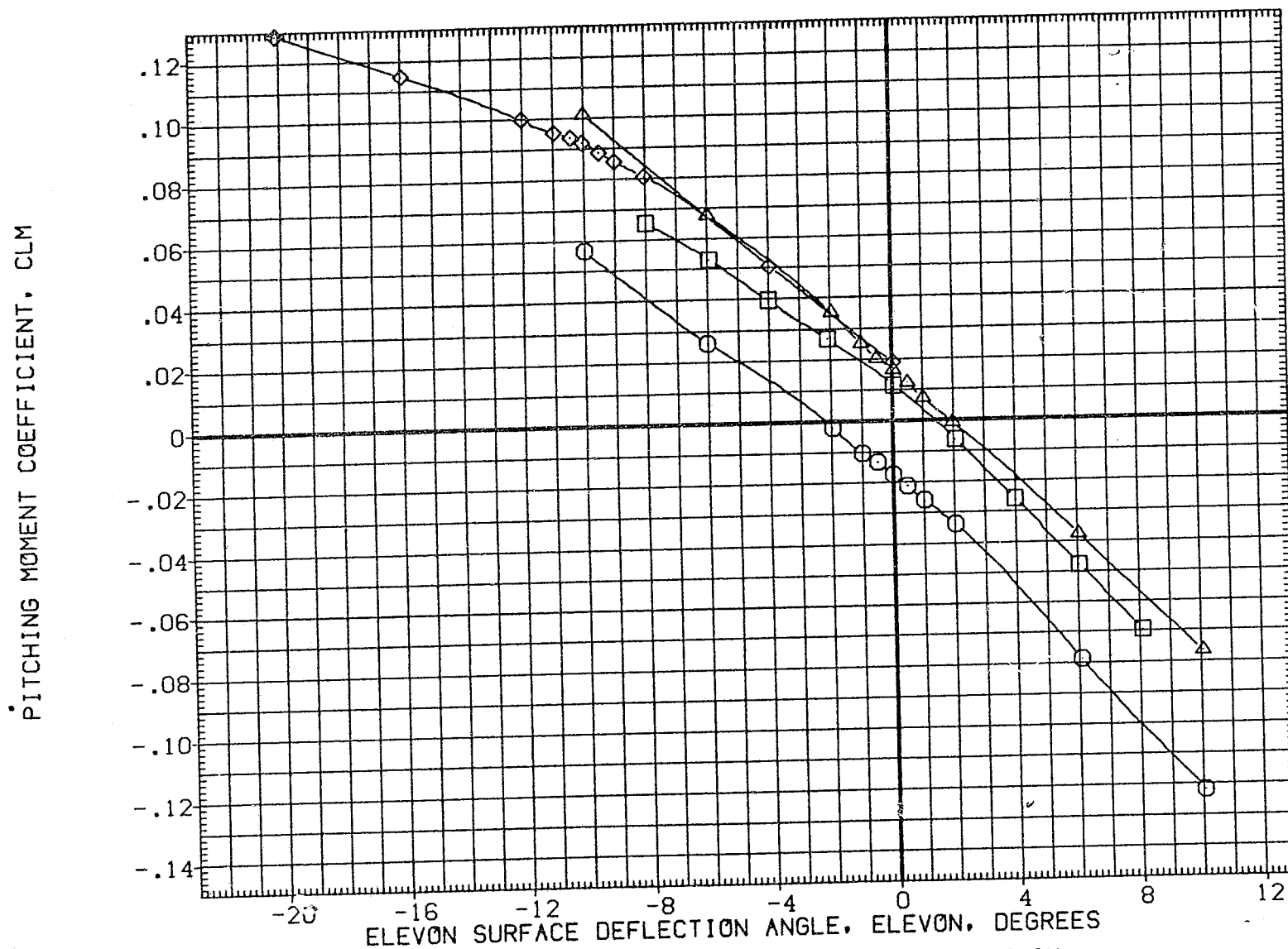


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(XJ3072) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3C72) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3B72) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3A72) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH AILRON
 11.000 .950 .000
 11.000 .900 .000
 11.000 .800 .000
 11.000 .700 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

DRAG COEFFICIENT, CD

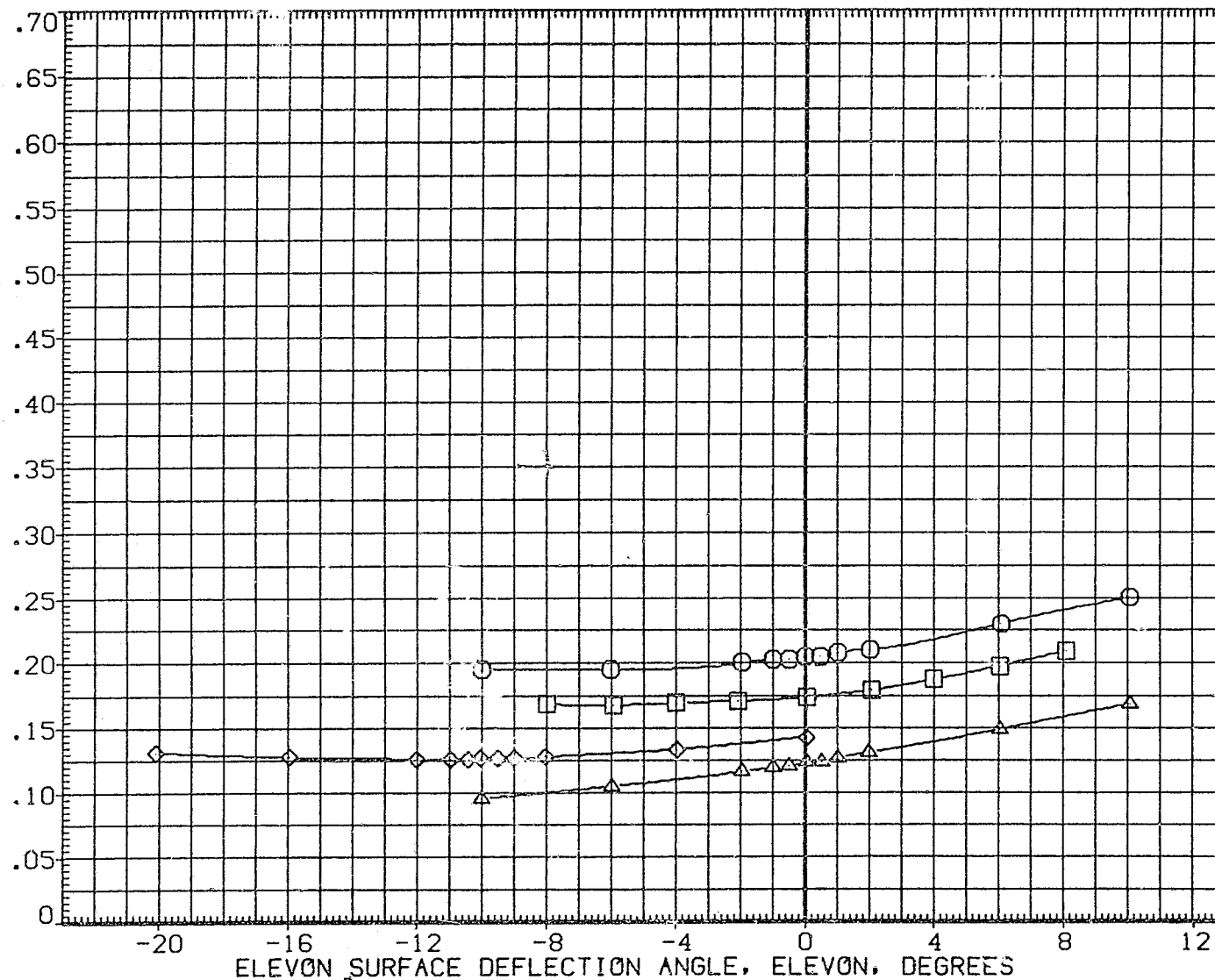


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3872)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A72)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

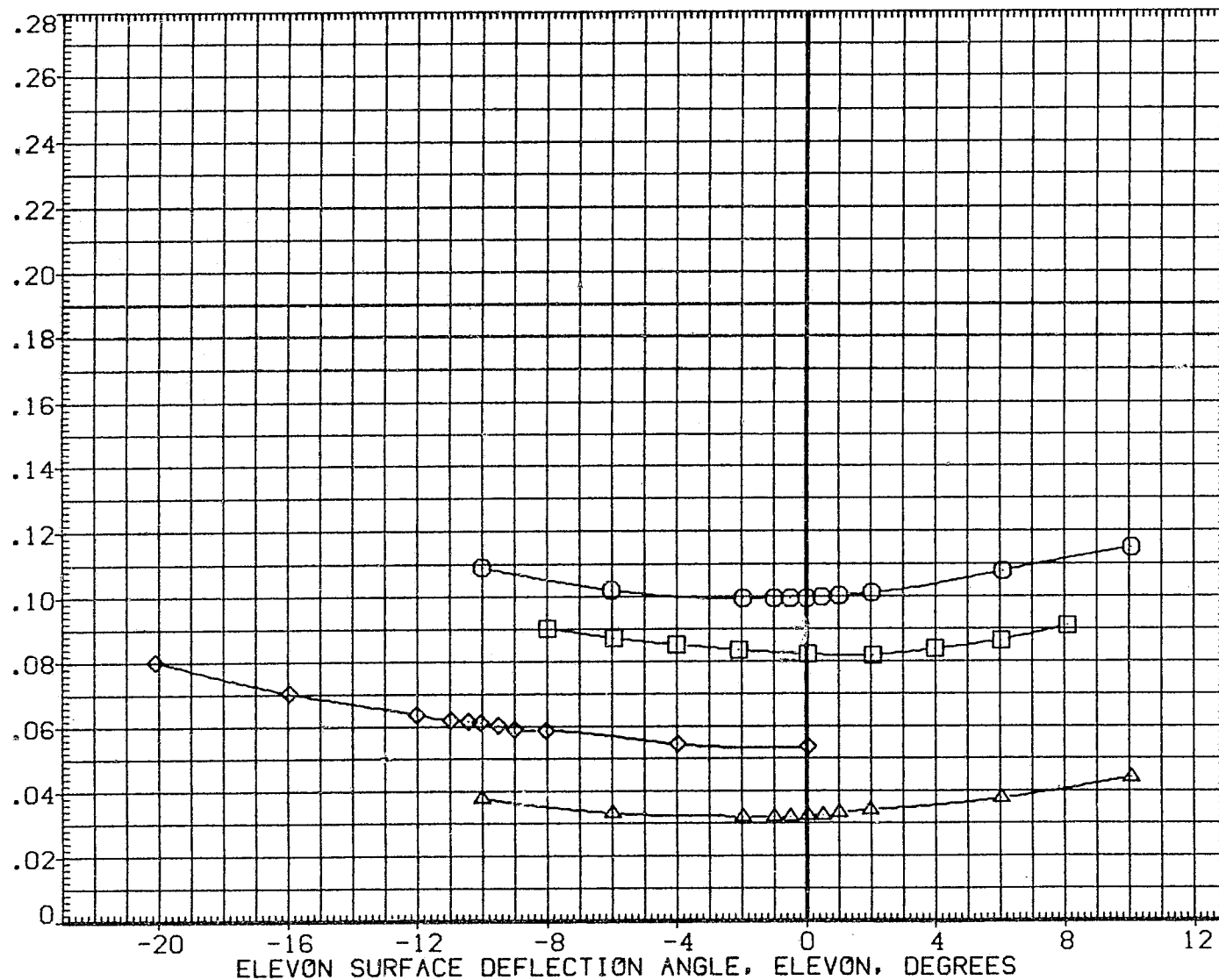


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(XJ3D72) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3C72) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3B72) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (XJ3A72) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH AILRON

11.000 .950 .000
 11.000 .900 .000
 11.000 .800 .000
 11.000 .700 .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

LIFT/DRAG RATIO, L/D

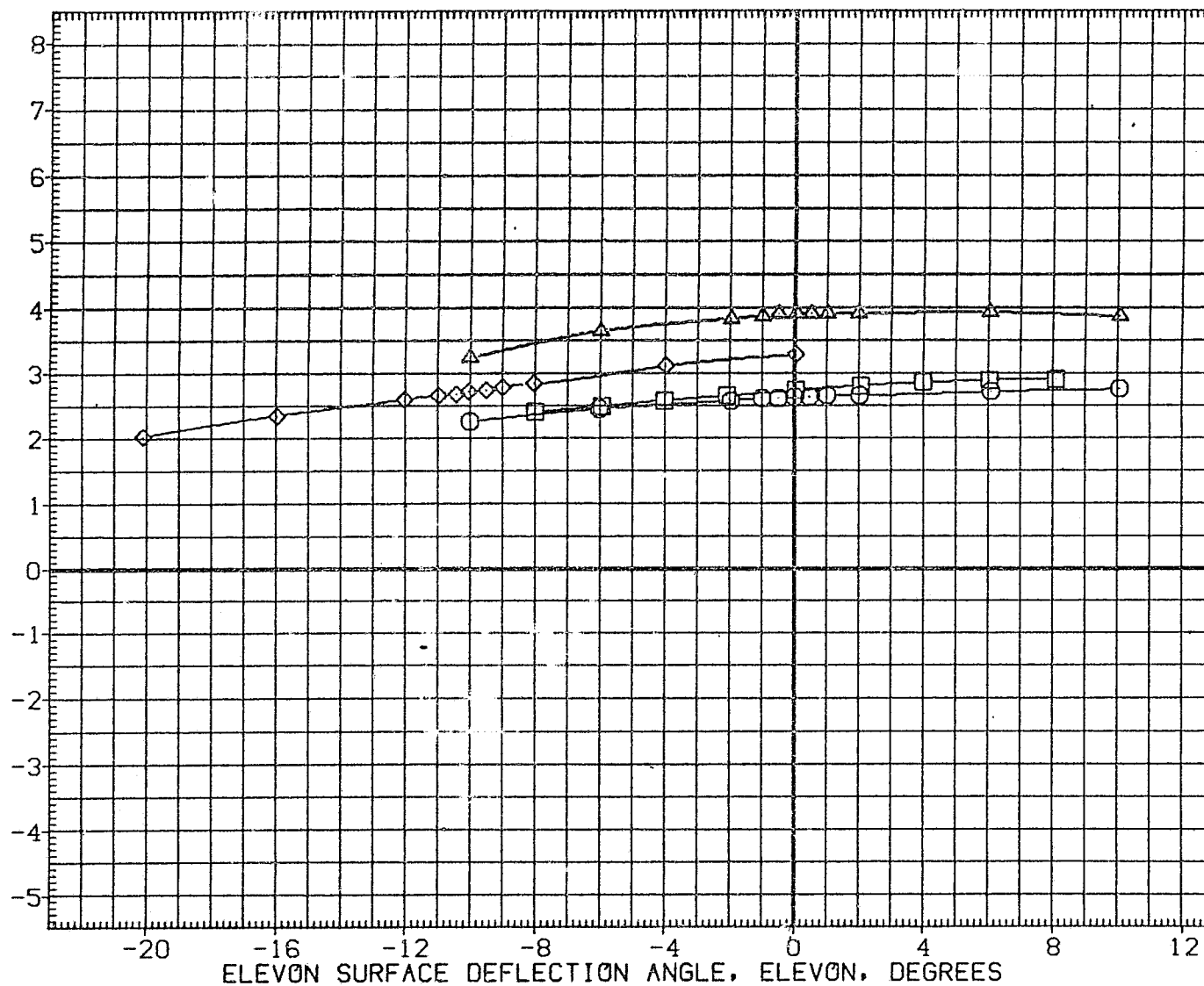


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3D72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3B72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3A72)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.850	.000
11.000	.800	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION	
SREF	2680.0000 SQ. FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. XO
YMRP	.0000 IN. YO
ZMRP	375.0000 IN. ZO
SCALE	.0150

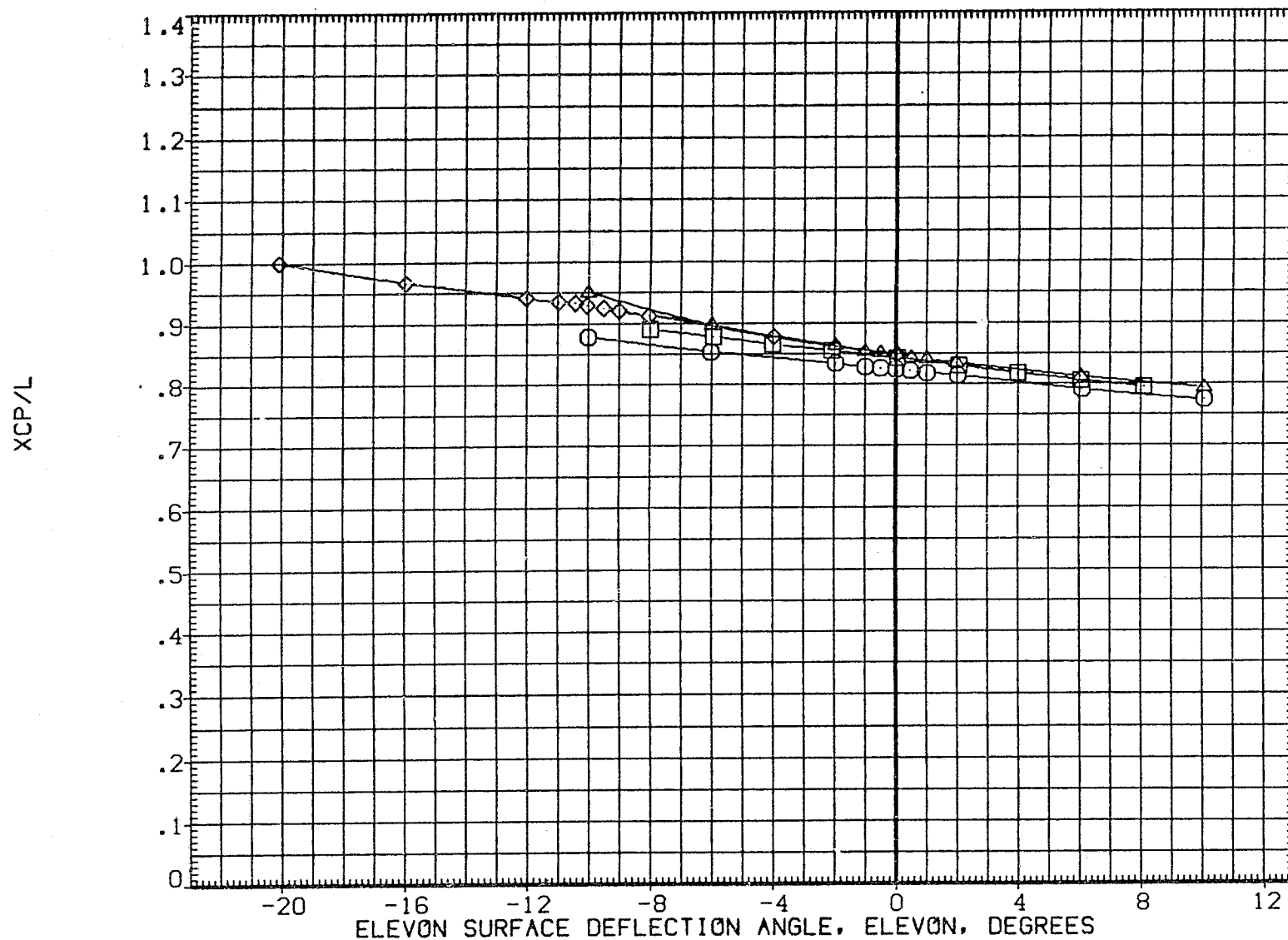


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3072) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3C72) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3B72) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A72) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

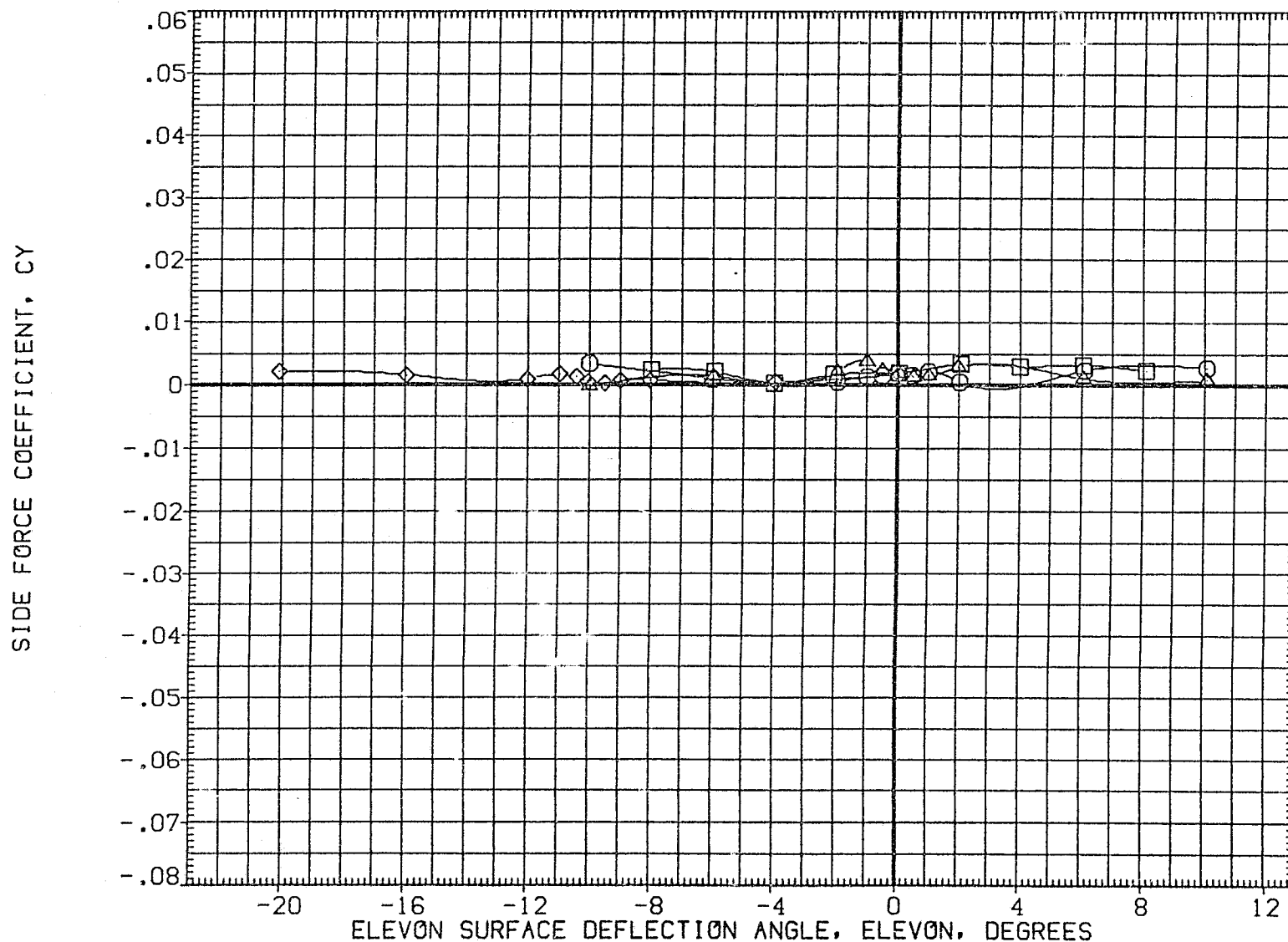


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3072) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3C72) ○	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3B72) ×	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3A72) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	MACH	AILRON
11.000	.950	.000
11.000	.900	.000
11.000	.800	.000
11.000	.700	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

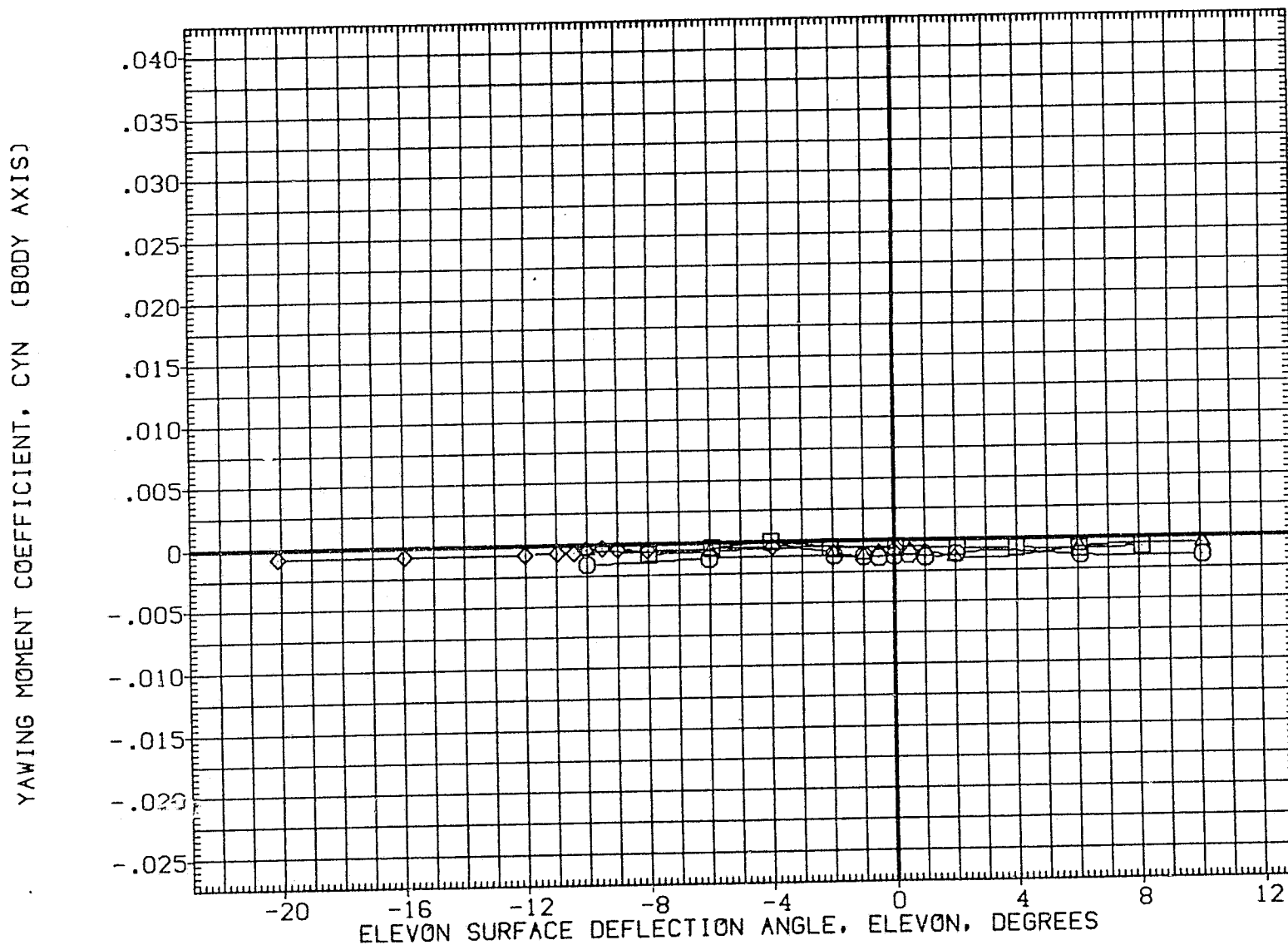


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
 (A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(YJ3D72) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (YJ3C72) $\square$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (YJ3B72) $\diamond$ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (YJ3A72) $\triangle$ LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA MACH AILRON
 11.000 .950 .000
 11.000 .900 .000
 11.000 .800 .000
 11.000 .700 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

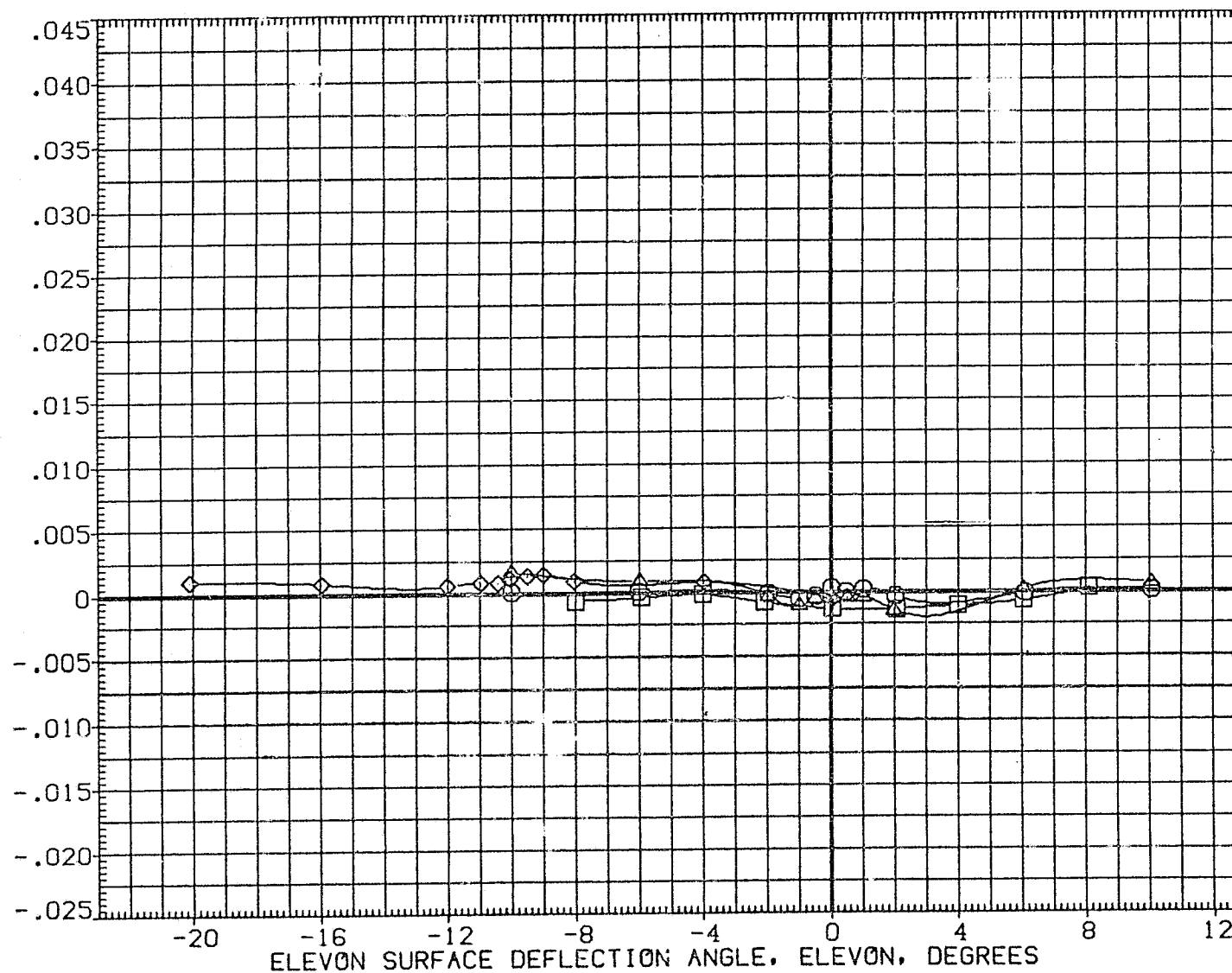


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A) MACH = .70 (B) .80 (C) .90 (D) .95

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	AILRON	REFERENCE INFORMATION	
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER	4.000	.000	SREF	2690.0000 SQ.FT.
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER	6.500	.000	LREF	474.8000 INCHES
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER	8.500	.000	BREF	936.6800 INCHES
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER	11.000	.000	XMRP	1076.7000 IN. X0
(XJ3B74)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.000	YMRP	.0000 IN. Y0
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER	15.000	.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

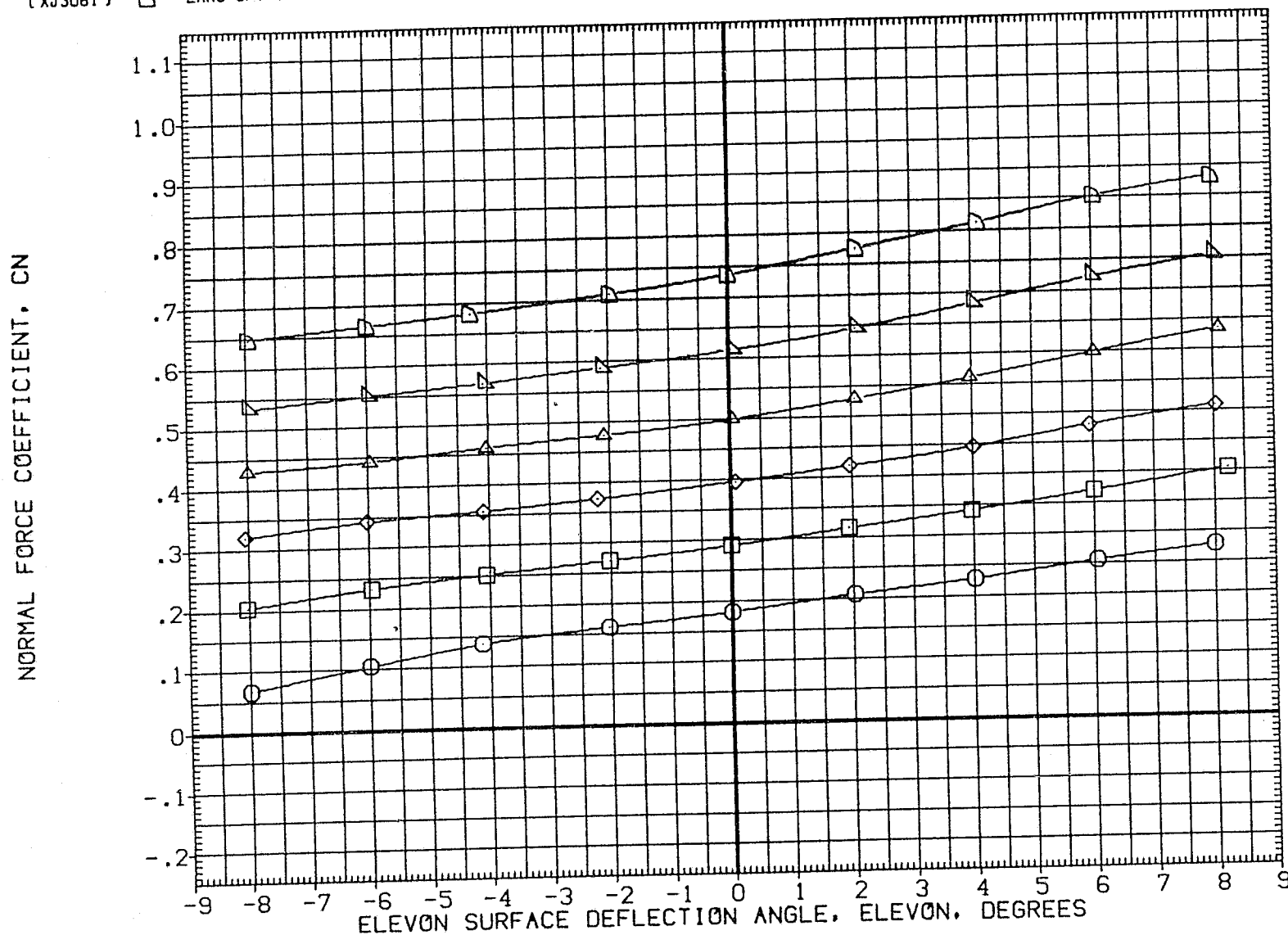


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3874)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

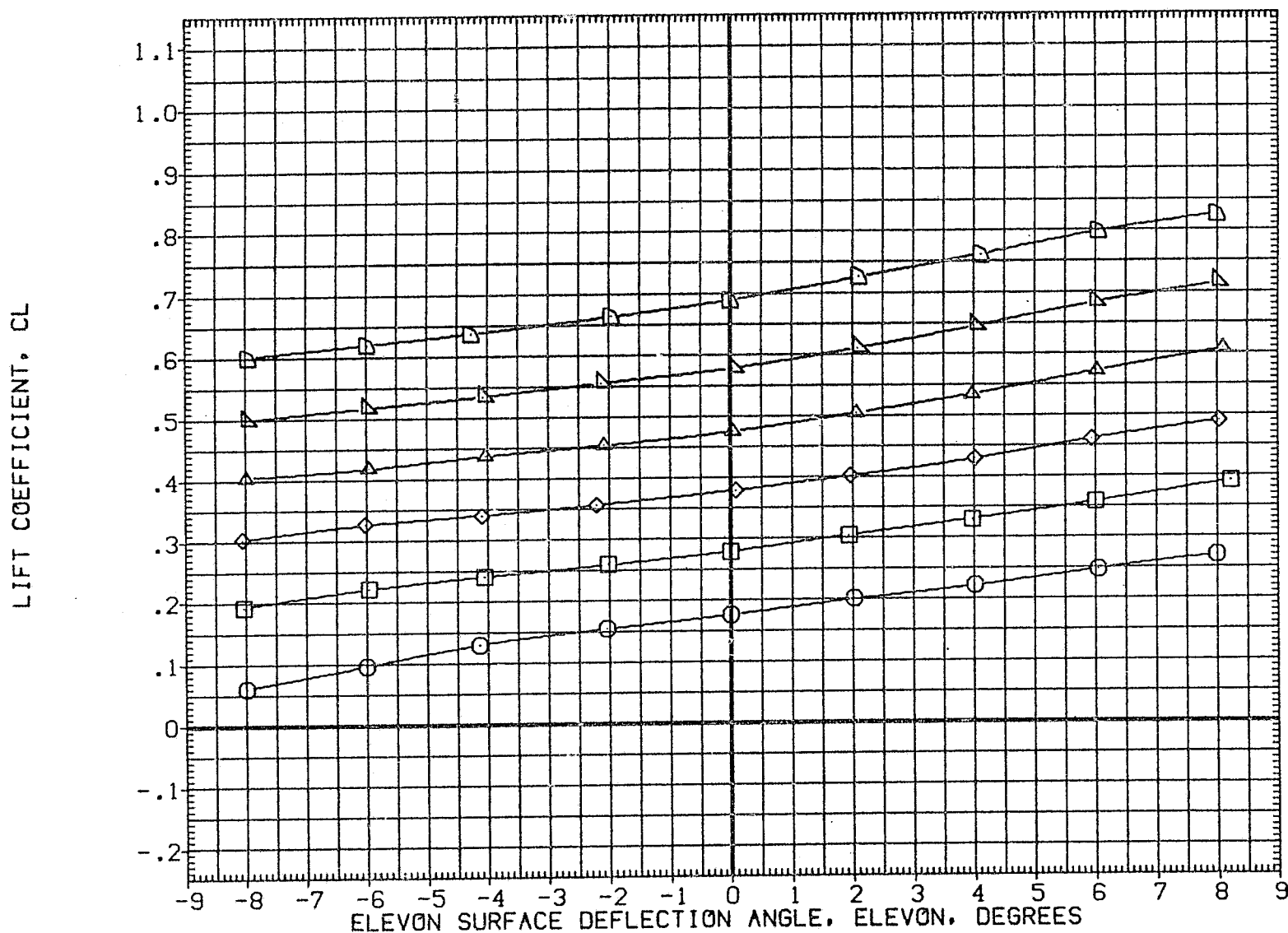


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	AILRON	REFERENCE INFORMATION	
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER	4.000	.000	SREF	2690.0000 SQ.FT.
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER	6.500	.000	LREF	474.8000 INCHES
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER	8.500	.000	BREF	936.6800 INCHES
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER	11.000	.000	XMRP	1076.7000 IN. X0
(XJ3074)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.000	YMRP	.0000 IN. Y0
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER	15.000	.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

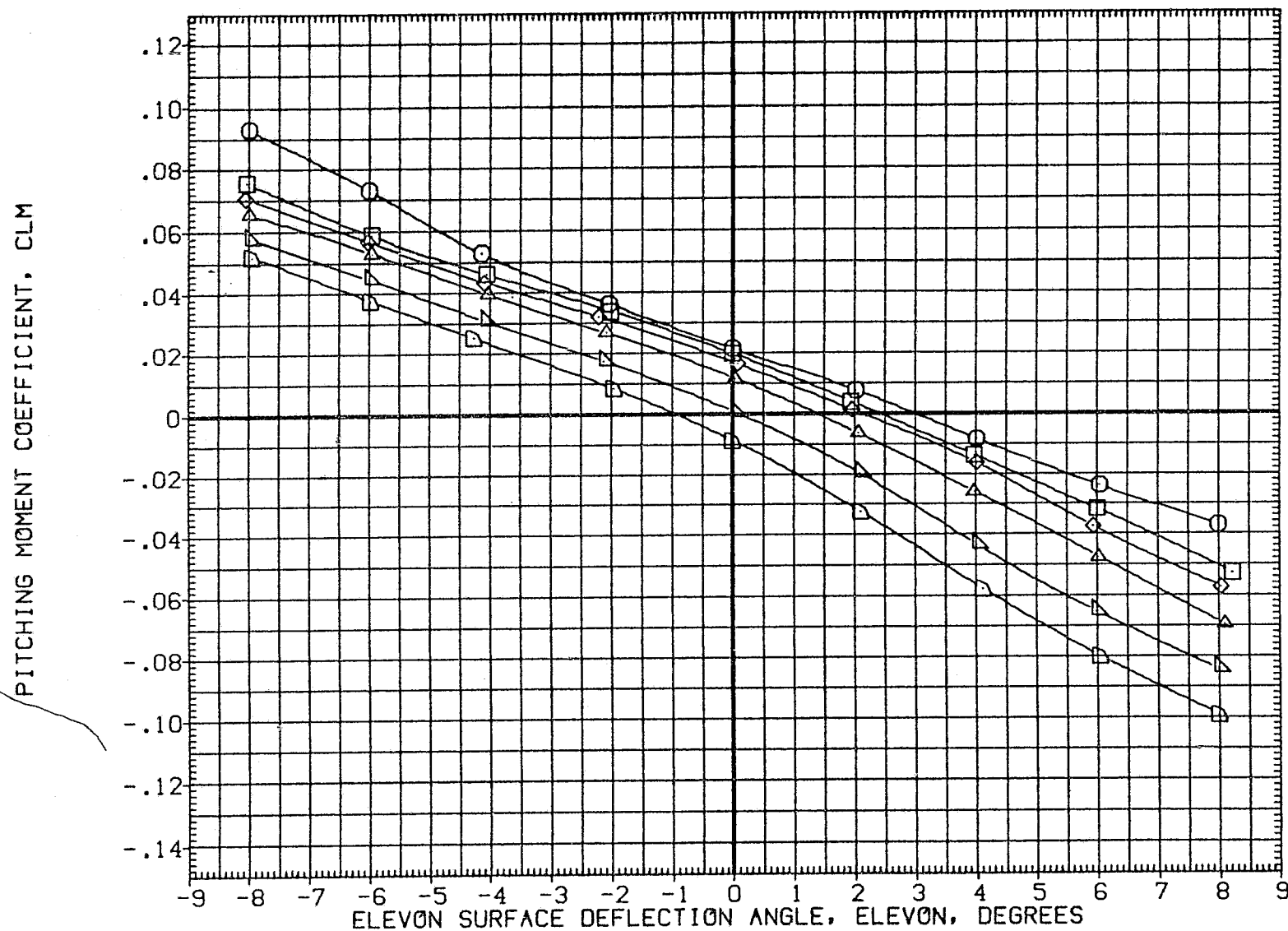


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3074)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

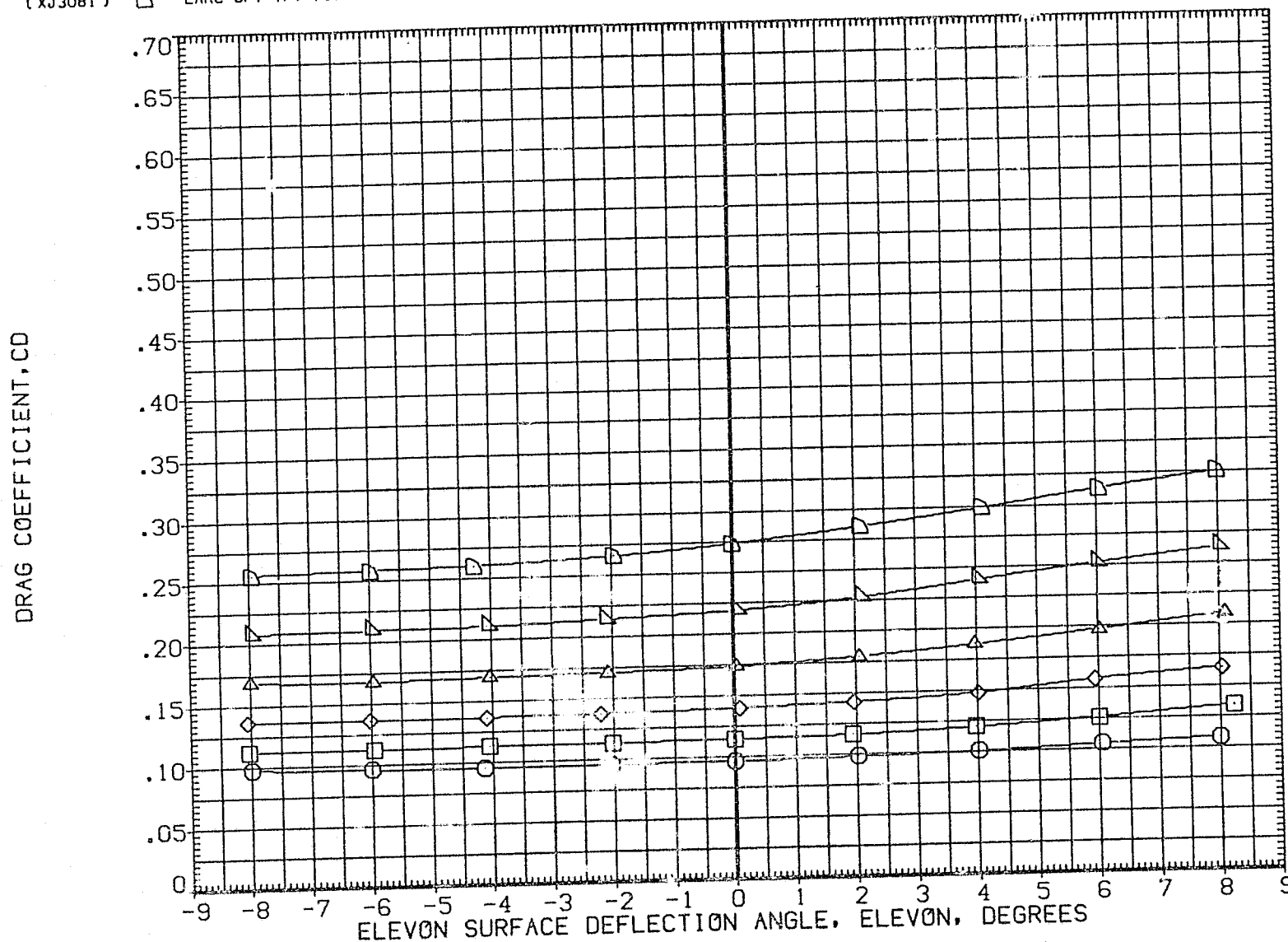


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3074)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3091)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

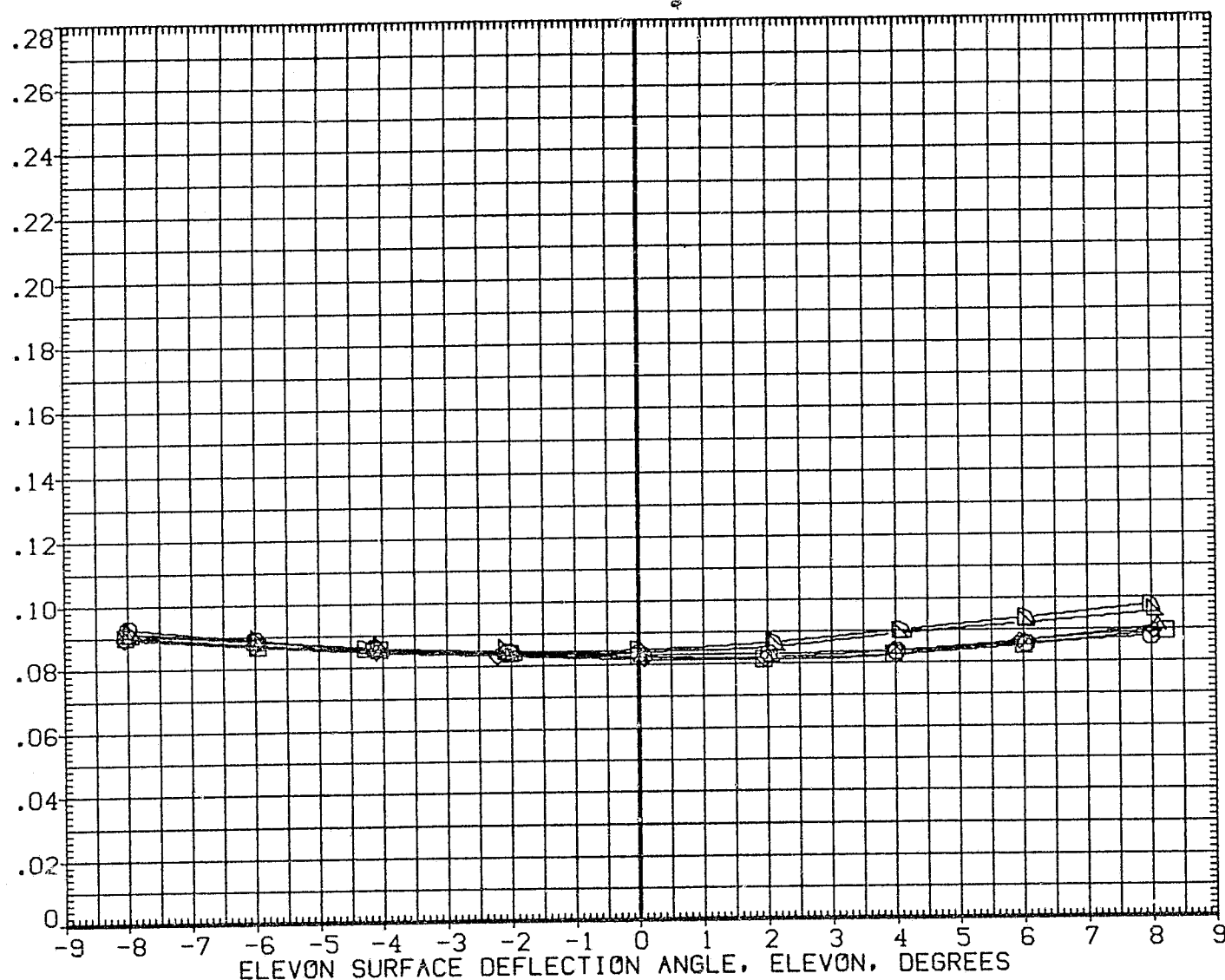


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	AILRON	REFERENCE INFORMATION	
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER	4.000	.000	SREF	2690.0000 SQ.FT.
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER	6.500	.000	LREF	474.8000 INCHES
(XJ3066)	LARC 8FT TPT 717(LA-62) 140C ORBITER	8.500	.000	BREF	936.6800 INCHES
(XJ3C72)	LARC 8FT TPT 717(LA-62) 140C ORBITER	11.000	.000	XMRP	1076.7000 IN. X0
(XJ3B74)	LARC 8FT TPT 717(LA-62) 140C ORBITER	13.000	.000	YMRP	.0000 IN. Y0
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER	15.000	.000	ZMRP	375.0000 IN. Z0
				SCALE	.0150

LIFT/DRAG RATIO, L/D

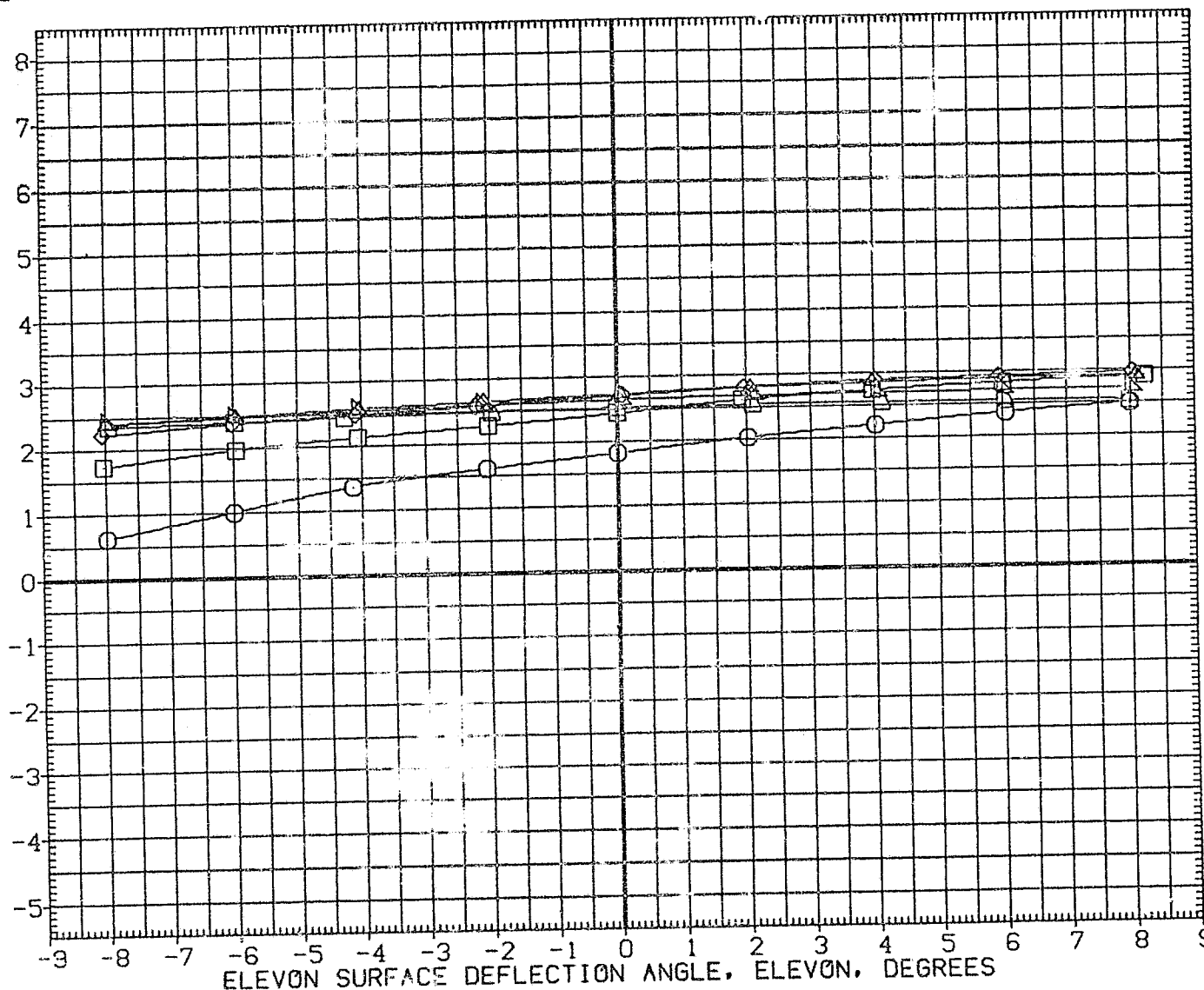


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

CS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(XJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3874)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(XJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

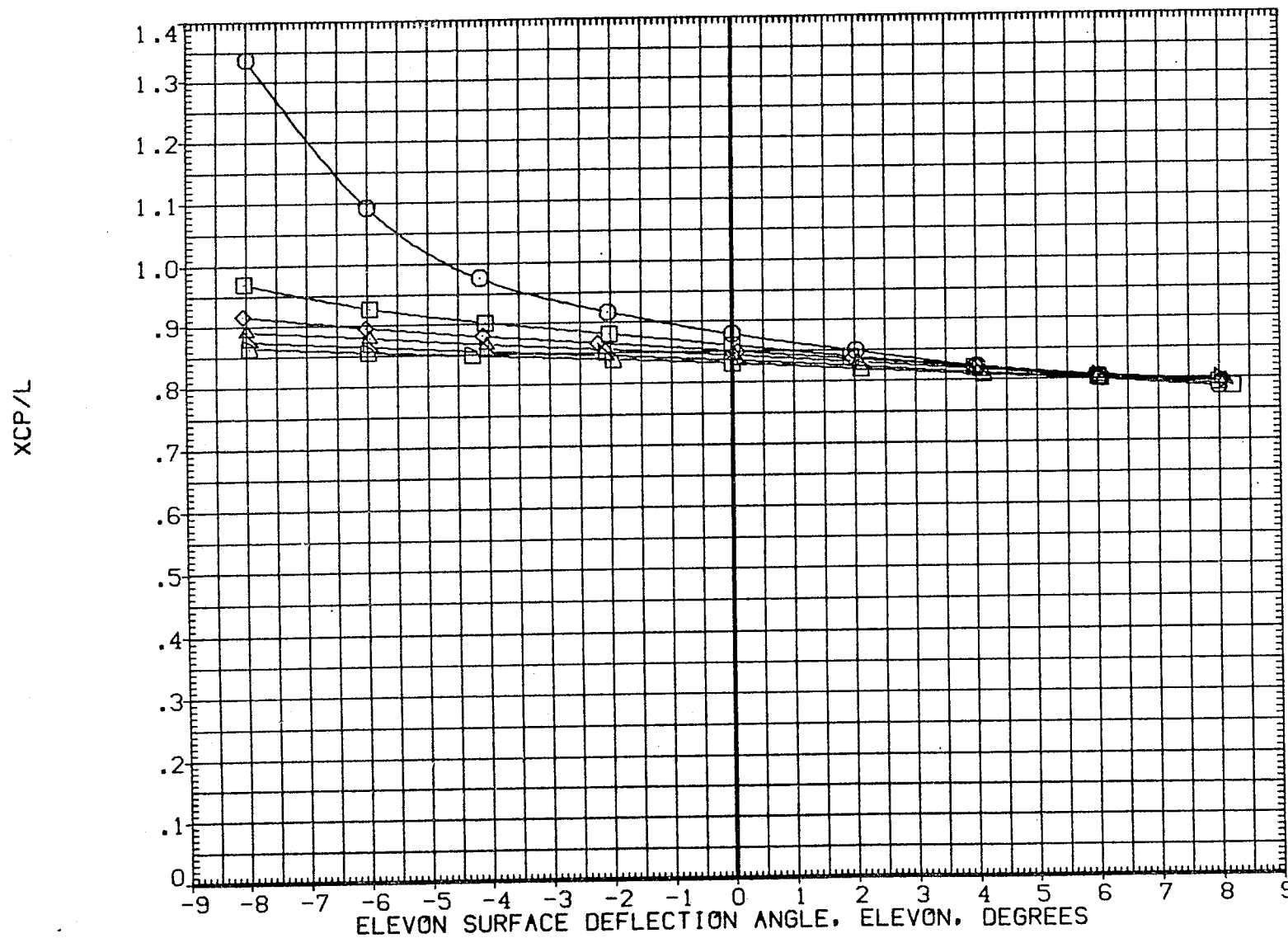


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3074)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

SIDE FORCE COEFFICIENT, CY

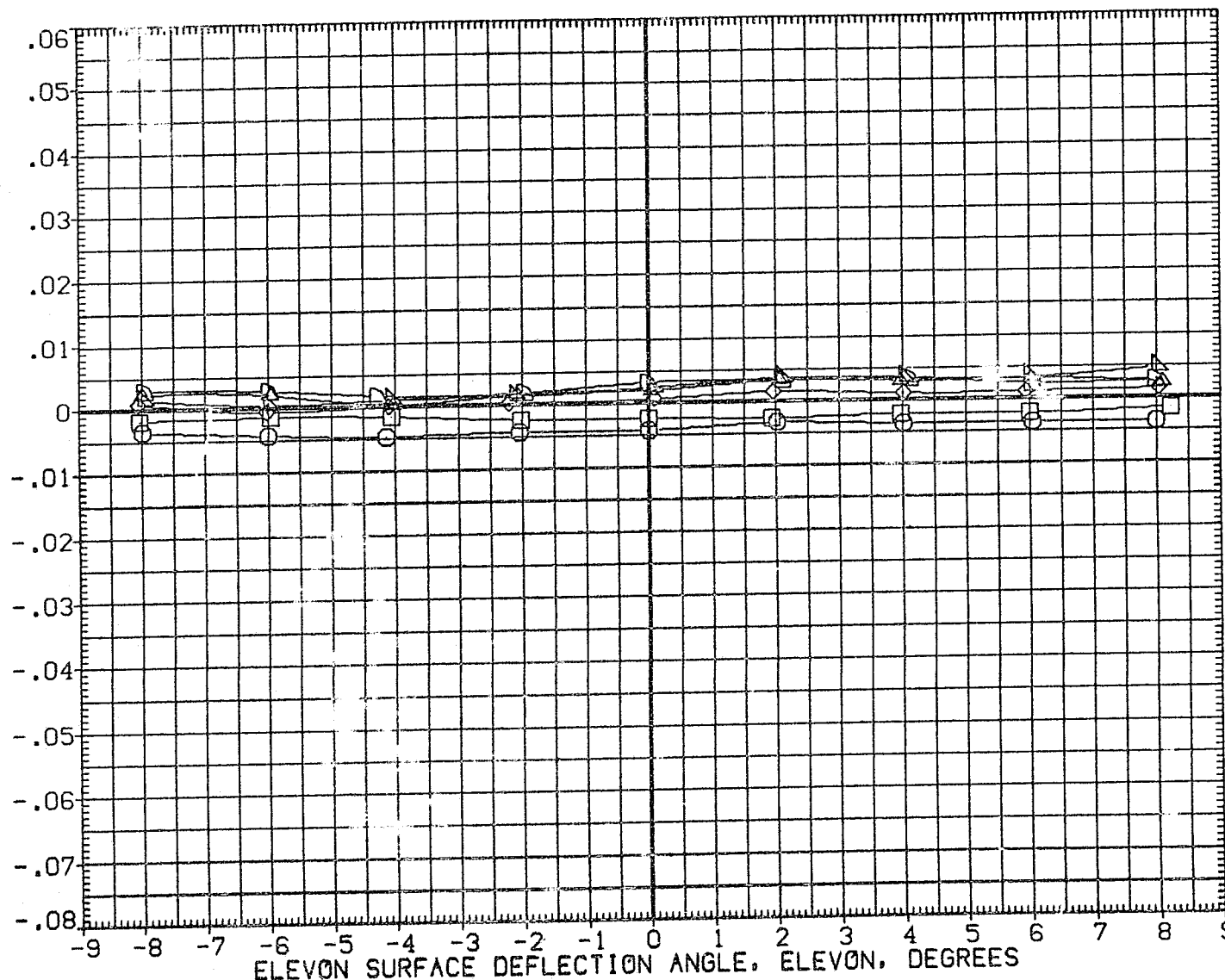


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK
(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3874)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	AILRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

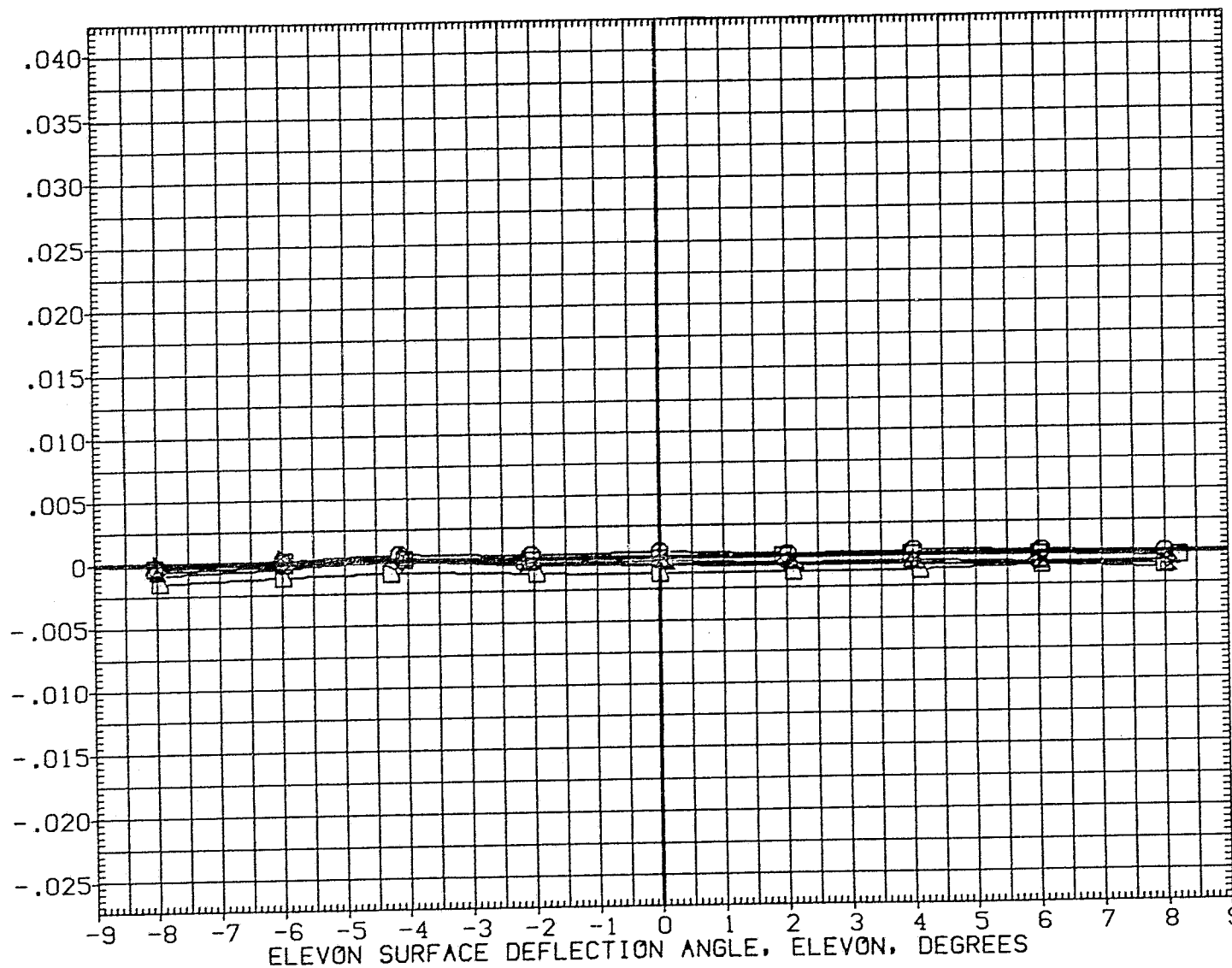


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(YJ3061)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3062)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3068)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3072)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3074)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(YJ3081)	LARC 8FT TPT 717(LA-62) 140C ORBITER

ALPHA	ALRON
4.000	.000
6.500	.000
8.500	.000
11.000	.000
13.000	.000
15.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

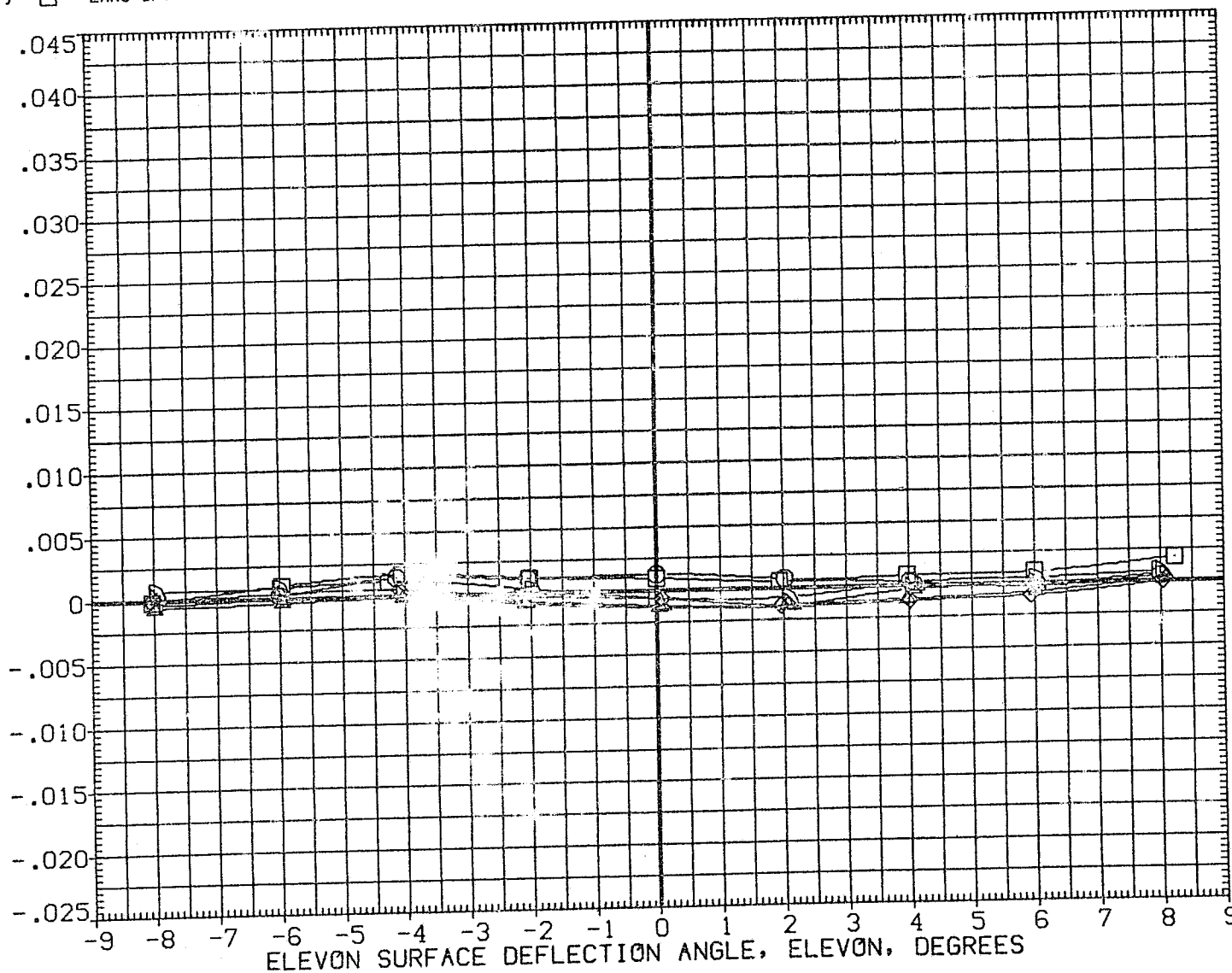


FIGURE 15. EFFECTS OF ELEVON SWEEPS AT VARIOUS ANGLE OF ATTACK

(A)MACH = .90

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3023)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3054)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3055)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
.000	.000	5.000
.000	.000	3.500
.000	.000	2.000
.000	.000	1.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XM RP	1076.7000	IN. X0
YM RP	.0000	IN. Y0
ZM RP	375.0000	IN. Z0
SCALE	.0150	

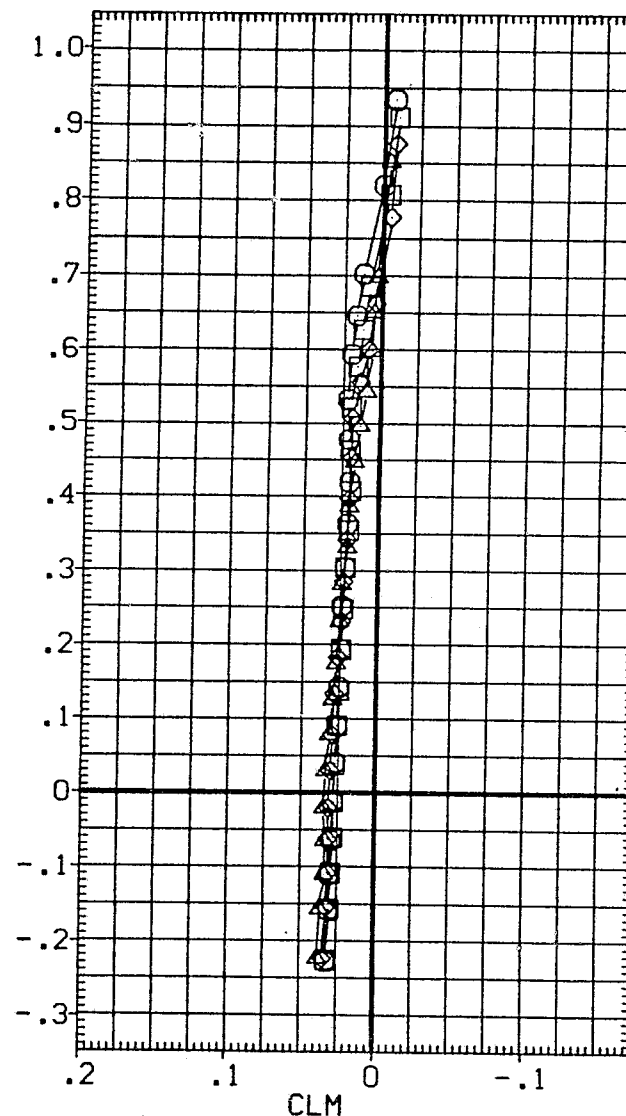
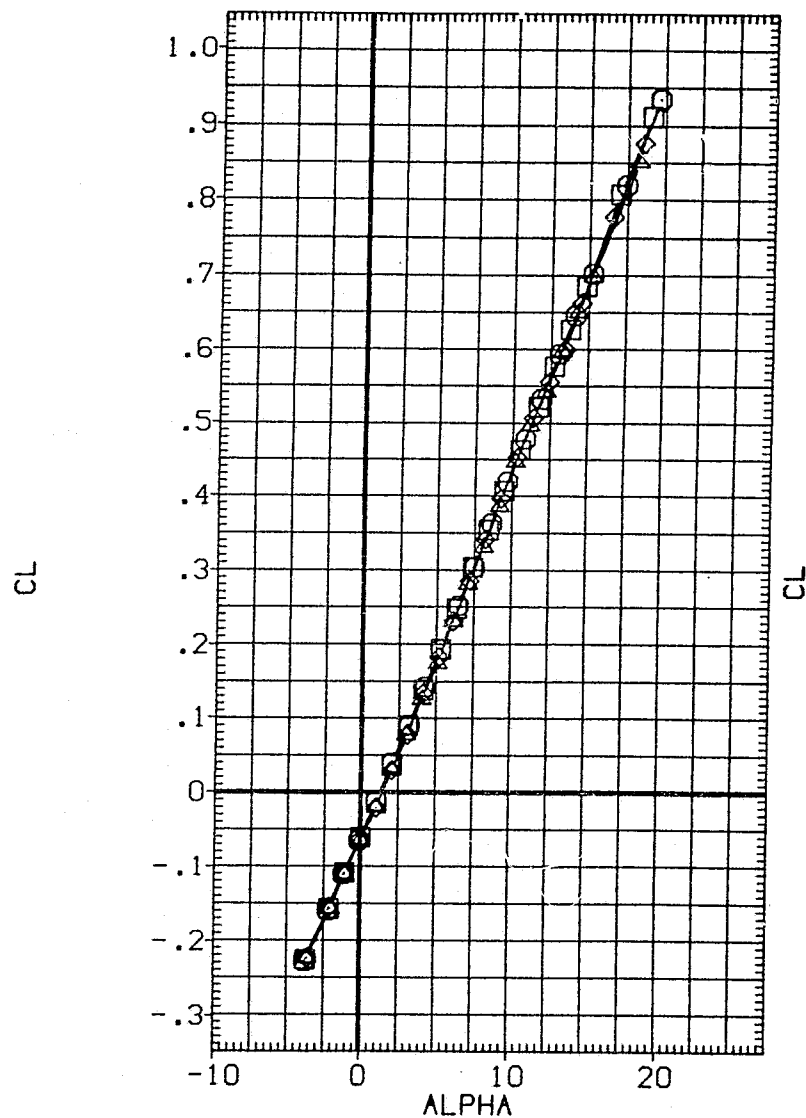


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3023) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3006) □	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3054) ◇	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3055) △	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
.000	.000	5.000
.000	.000	3.500
.000	.000	2.000
.000	.000	1.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

AXIAL FORCE COEFFICIENT, CA

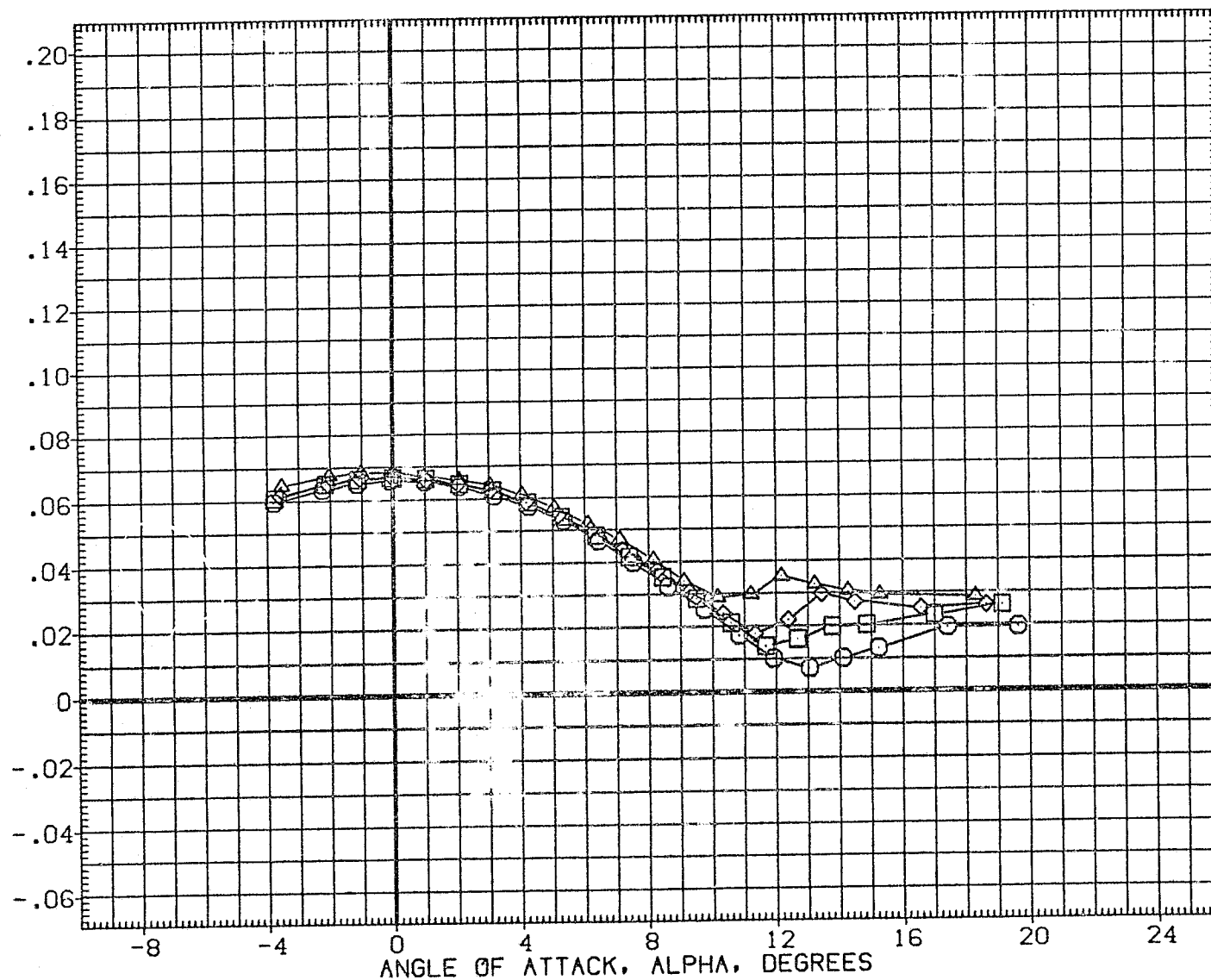


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION
(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3023)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3006)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3054)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3055)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
.000	.000	5.000
.000	.000	3.500
.000	.000	2.000
.000	.000	1.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

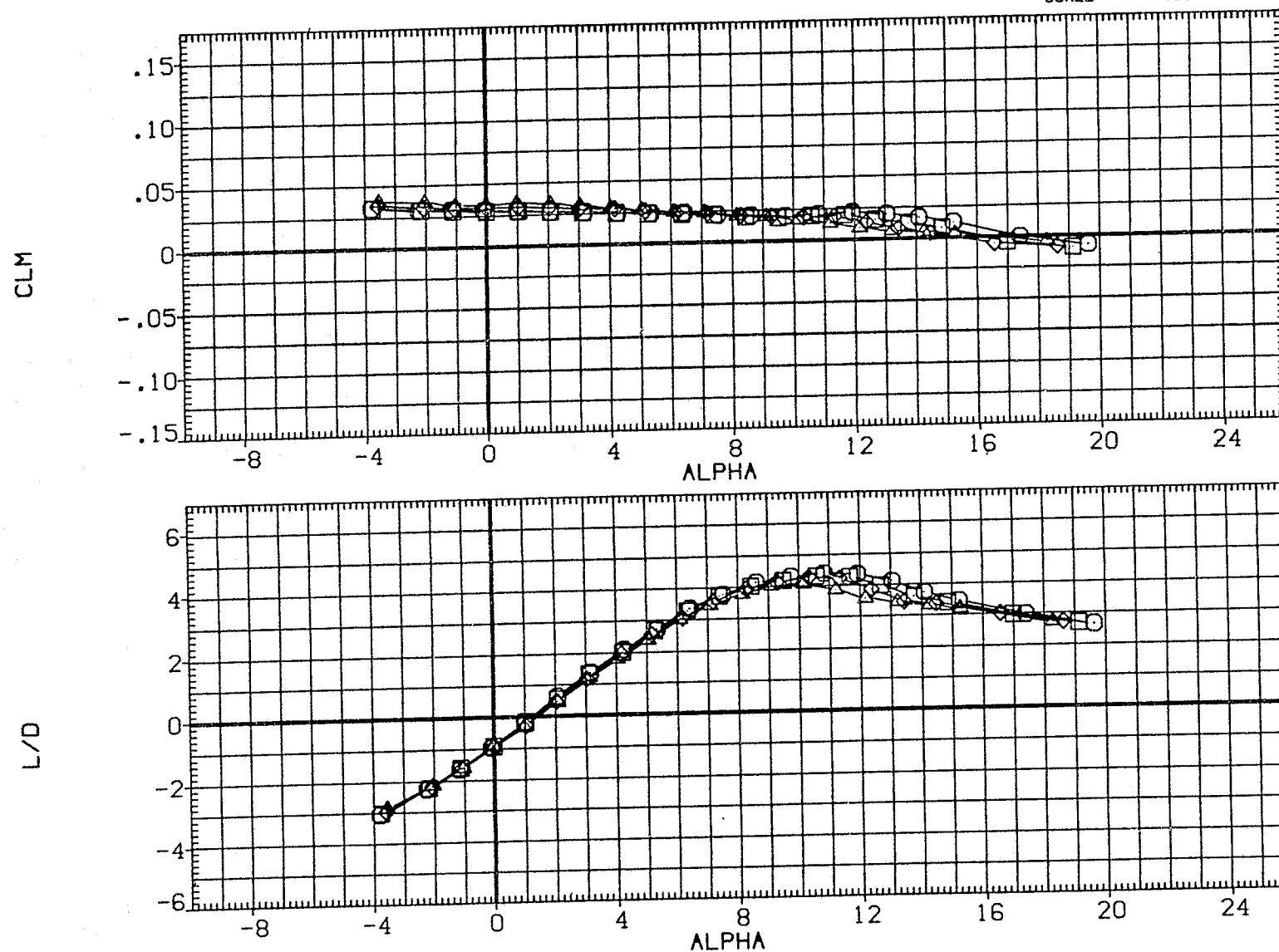


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION
 (A)MACH = .60

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CJ3023) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (CJ3006) □ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (CJ3054) ◇ LARC 8FT TPT 717(LA-62) 140C ORBITER
 (CJ3055) △ LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON ELEVON RN/L
 .000 .000 5.000
 .000 .000 3.500
 .000 .000 2.000
 .000 .000 1.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 474.8000 INCHES
 BREF 936.6800 INCHES
 XMRP 1076.7000 IN. X0
 YMRP .0000 IN. Y0
 ZMRP 375.0000 IN. Z0
 SCALE .0150

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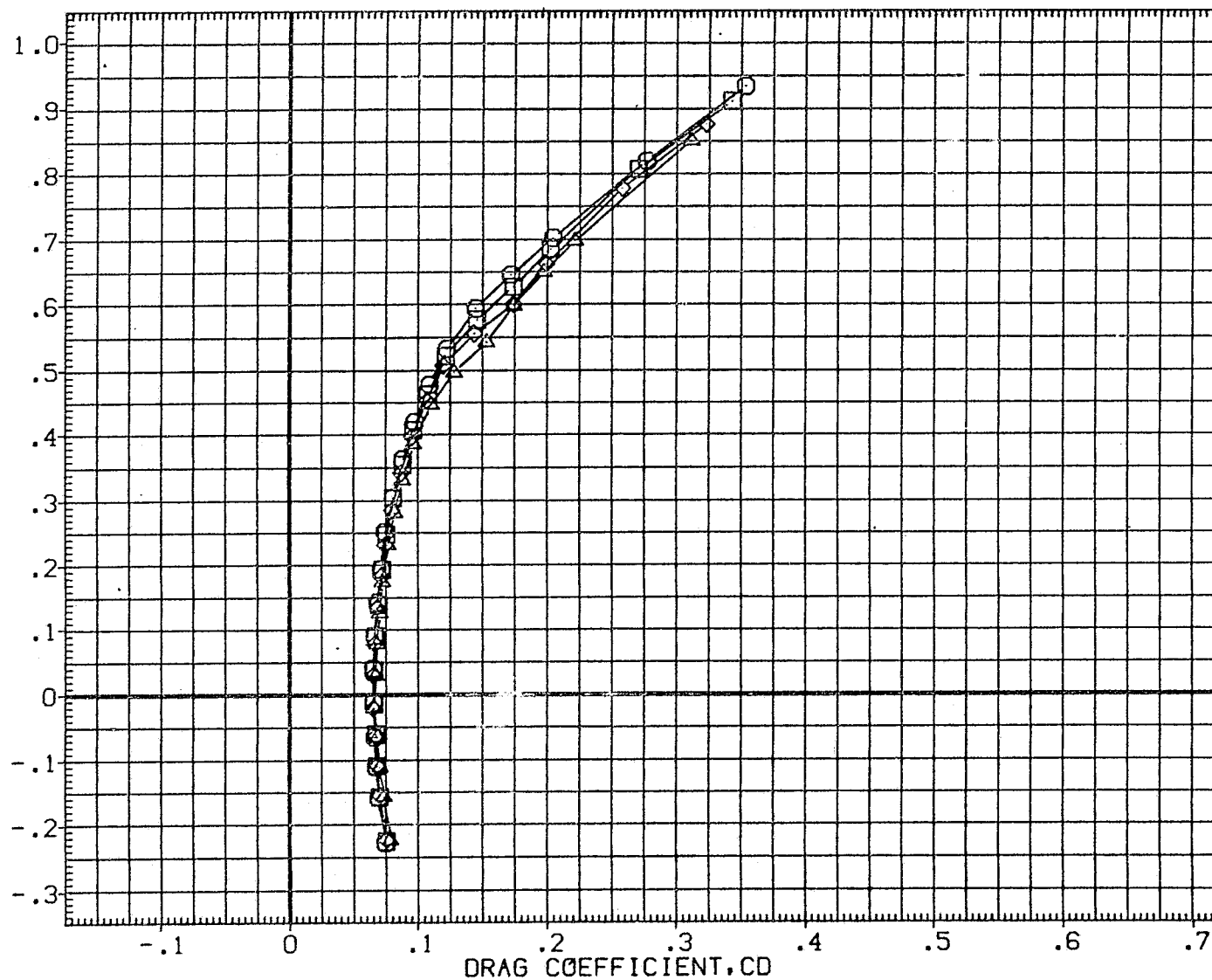


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3056)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3057)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
2.000	10.000	3.500
2.000	10.000	2.000
2.000	10.000	1.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

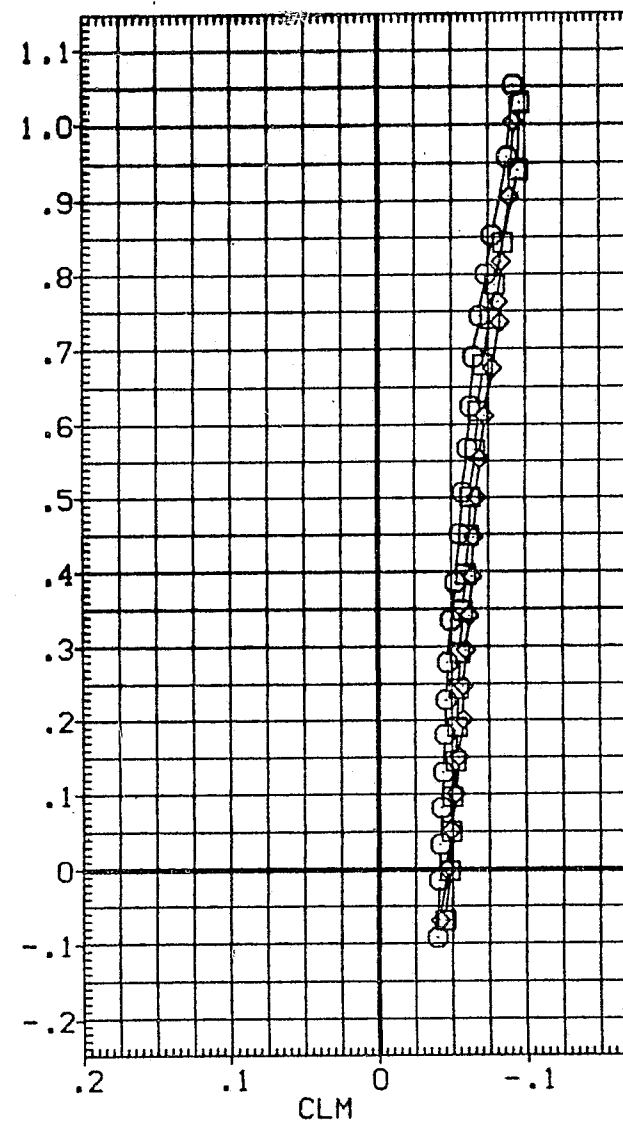
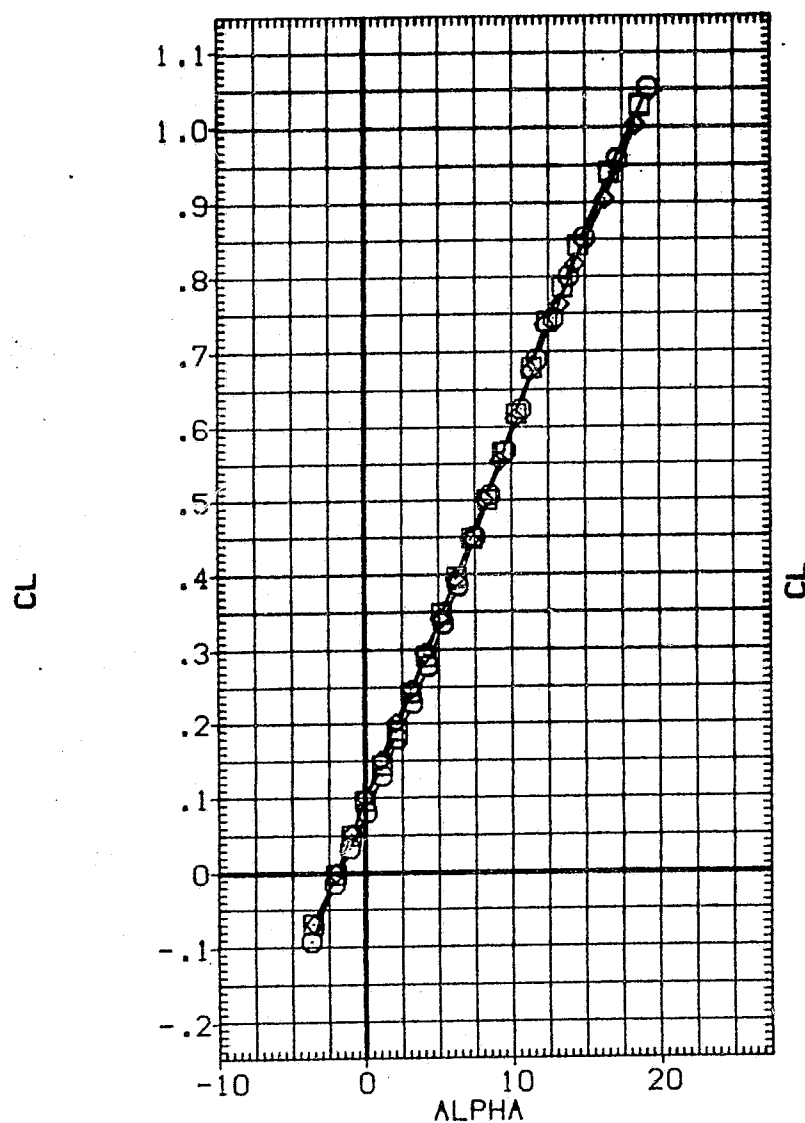


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION

(A) MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3056)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3057)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
2.000	10.000	3.500
2.000	10.000	2.000
2.000	10.000	1.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

AXIAL FORCE COEFFICIENT, CA

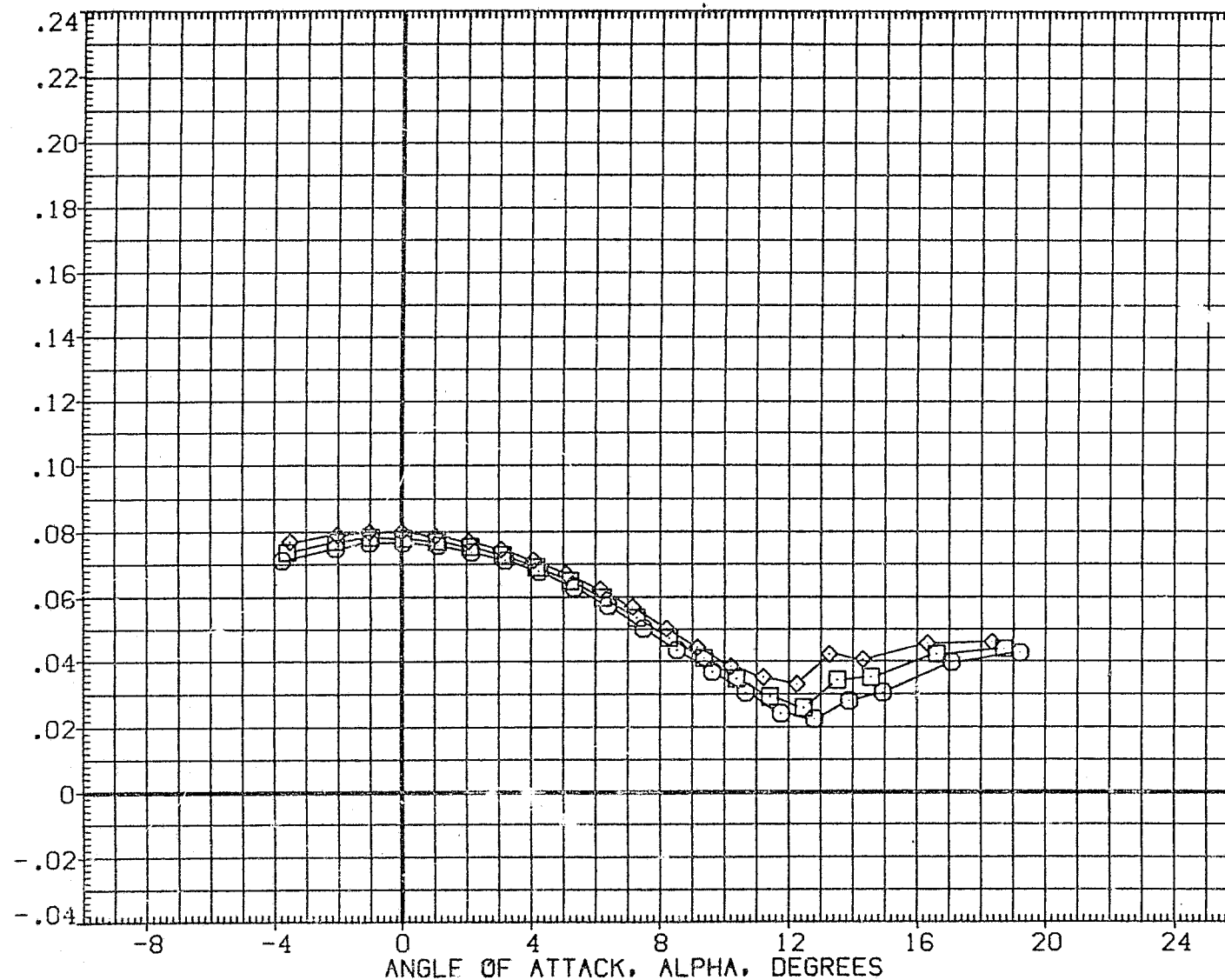


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION

(A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3056)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3057)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
2.000	10.000	3.500
2.000	10.000	2.000
2.000	10.000	1.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8000	INCHES
BREF	936.6800	INCHES
XMRP	1076.7000	IN. X0
YMRP	.0000	IN. Y0
ZMRP	375.0000	IN. Z0
SCALE	.0150	

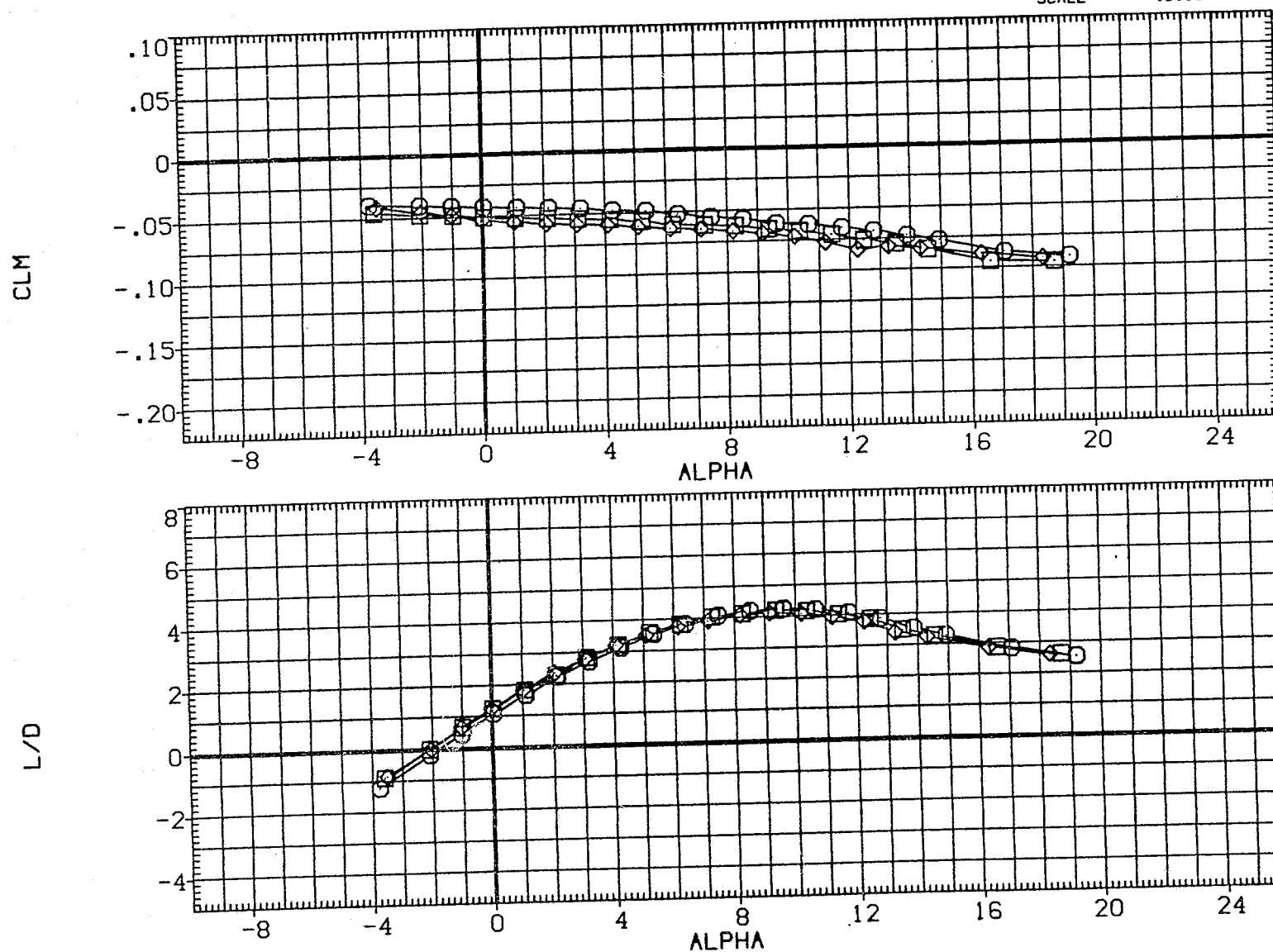


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION
 (A)MACH = .60

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(CJ3016)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3056)	LARC 8FT TPT 717(LA-62) 140C ORBITER
(CJ3057)	LARC 8FT TPT 717(LA-62) 140C ORBITER

AILRON	ELEVON	RN/L
2.000	10.000	3.500
2.000	10.000	2.000
2.000	10.000	1.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	474.8000 INCHES
BREF	936.6800 INCHES
XMRP	1076.7000 IN. X0
YMRP	.0000 IN. Y0
ZMRP	375.0000 IN. Z0
SCALE	.0150

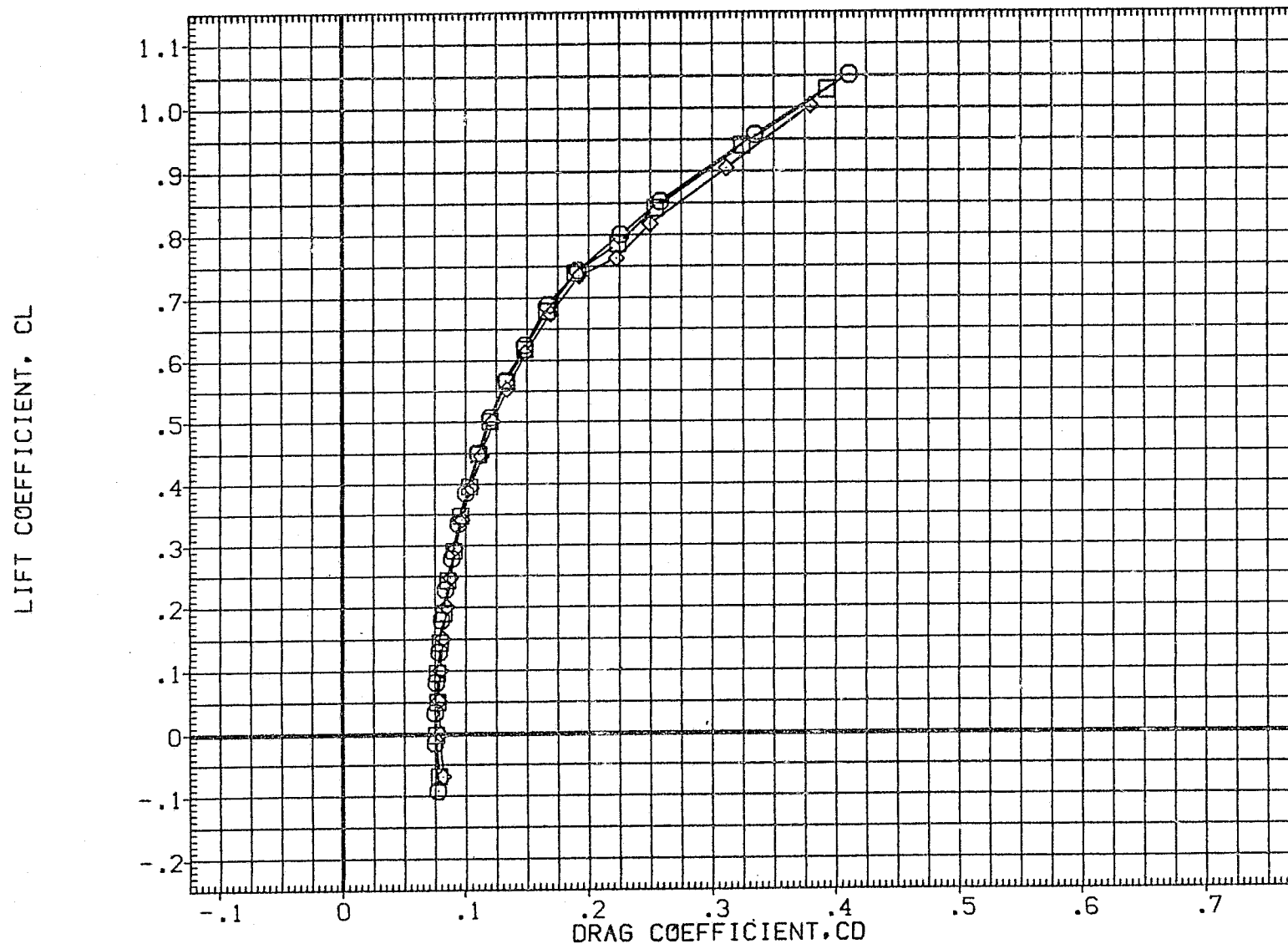


FIGURE 16. EFFECTS OF REYNOLDS NUMBER ON THE BASELINE CONFIGURATION
(A) MACH = .60

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on
request from Data Management Services.

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TABULATED SOURCE DATA - LA62

PAGE 1

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3001) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = .000

RUN NO. 9/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-4.058	-.53009	.20891	.24914	-.51398	.24590	-2.09019	-20.03748	-20.01250
1.200	-2.406	-.41032	.20574	.21668	-.40132	.22278	-1.80142	-20.06746	-20.06251
1.200	-.193	-.25210	.20311	.17357	-.25142	.20395	-1.23271	-20.04747	-20.05251
1.201	2.010	-.10762	.19903	.13885	-.11453	.19513	-.58693	-20.01749	-19.95249
1.201	4.217	.03625	.19540	.10761	.02178	.19753	.11027	-20.03748	-20.03250
1.201	6.423	.17719	.18993	.07831	.15483	.20856	.74234	-20.05746	-20.05251
1.200	8.635	.31432	.18399	.05638	.28313	.22910	1.23585	-19.96752	-19.99250
1.201	10.851	.44516	.17699	.04330	.40388	.25763	1.56770	-20.00750	-19.94249
1.200	13.081	.58110	.16940	.02765	.52768	.29652	1.77961	-20.05746	-20.01250
1.200	15.280	.70756	.16579	.01576	.63886	.34640	1.84429	-19.95753	-19.96250
1.200	17.481	.82601	.16070	.00747	.73959	.40140	1.84251	-20.04747	-19.97250
1.200	19.667	.93665	.15535	.00463	.82973	.46152	1.79781	-20.01749	-19.99250
GRADIENT		.06840	-.00161	-.01717	.06473	-.00582	.26901	.00255	.00363

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 2

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3002) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 32/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-4.035	-.56829	.11751	.21961	-.55861	.15721	-3.55317	-15.01249	-15.01375
.900	-2.411	-.46107	.11985	.20514	-.45562	.13914	-3.27458	-14.99250	-14.99375
.900	-1.229	-.37887	.12026	.19470	-.37621	.12835	-2.93101	-14.99250	-15.01375
.900	-.248	-.32063	.11929	.18793	-.32011	.12068	-2.65261	-15.01249	-15.01375
.899	.820	-.25561	.11748	.17968	-.25727	.11381	-2.26045	-15.01249	-15.03376
.899	1.965	-.18647	.11499	.17106	-.19031	.10853	-1.75350	-15.03248	-15.04376
.899	3.083	-.11278	.11154	.15954	-.11861	.10531	-1.12630	-14.99250	-14.98375
.899	4.197	-.03182	.10798	.14467	-.03963	.10536	-.37617	-15.00250	-15.00375
.899	5.244	.04081	.10589	.13378	.03096	.10917	.28360	-15.02249	-15.02376
.900	6.379	.11822	.10356	.12379	.10598	.11606	.91315	-15.01249	-15.00375
.899	7.539	.19232	.10131	.11338	.17737	.12567	1.41138	-14.98251	-15.01375
.898	8.560	.25077	.09945	.10736	.23317	.13567	1.71865	-14.99250	-15.00375
.899	9.574	.30682	.09983	.10469	.28594	.14947	1.91310	-15.00250	-15.02376
.899	10.729	.37496	.10149	.09809	.34951	.16952	2.06174	-15.01249	-15.02376
.899	11.907	.45148	.10014	.08420	.42111	.19113	2.20322	-15.01249	-15.01375
.899	12.927	.50419	.10093	.08282	.46883	.21116	2.22024	-14.99250	-15.01375
.899	13.934	.54393	.10322	.08664	.50307	.23116	2.17630	-14.99250	-15.00375
.899	15.062	.60046	.10339	.08679	.55297	.25587	2.16116	-14.99250	-15.02376
.898	17.271	.71357	.10242	.08401	.65099	.30966	2.10227	-14.99250	-14.99375
.899	19.383	.80940	.10155	.08593	.72982	.36442	2.00268	-15.00250	-15.00375
GRADIENT		.06416	-.00128	-.00869	.06206	-.00632	.38253	-.00040	.00015

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 3

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3002) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 8/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.076	-.47610	.19008	.22047	-.46139	.22344	-2.06489	-14.97064	-15.00188
1.201	-2.352	-.35311	.18749	.18617	-.34511	.20182	-1.70998	-14.96065	-14.94187
1.202	-1.245	-.27350	.18573	.16429	-.26940	.19163	-1.40582	-14.96065	-14.96187
1.201	-.145	-.20104	.18452	.14587	-.20058	.18503	-1.08401	-15.01062	-14.99187
1.201	.944	-.12860	.18277	.12714	-.13159	.18062	-.72854	-14.97064	-15.00188
1.201	2.055	-.05706	.18120	.11015	-.06352	.17903	-.35481	-15.03061	-15.02188
1.201	3.157	.01341	.17974	.09509	.00349	.18020	.01937	-14.98064	-15.01188
1.200	4.267	.08101	.17846	.08176	.06751	.18399	.36691	-15.03061	-15.03188
1.200	5.356	.14799	.17706	.06905	.13081	.19010	.68812	-14.99063	-14.99187
1.200	6.459	.21642	.17503	.05641	.19536	.19827	.98533	-14.98064	-15.01188
1.201	7.551	.28311	.17241	.04533	.25800	.20812	1.23966	-14.98064	-15.05188
1.200	8.666	.34963	.16883	.03580	.32020	.21958	1.45822	-15.01062	-15.01188
1.200	9.772	.41529	.16503	.02808	.38125	.23312	1.63542	-14.99063	-15.00188
1.200	10.882	.48100	.16249	.02250	.44168	.25038	1.76405	-15.00062	-15.01188
1.201	11.988	.54505	.16037	.01655	.49986	.27008	1.85076	-15.03061	-15.02188
1.200	13.101	.61337	.15908	.01037	.56134	.29398	1.90949	-15.02061	-15.03188
1.200	14.192	.67435	.15746	.00424	.61516	.31798	1.93458	-15.05059	-15.06188
1.200	15.302	.73464	.15554	-.00087	.66755	.34391	1.94104	-14.99063	-15.04188
1.200	17.503	.85228	.15118	-.00844	.76735	.40050	1.91596	-15.00062	-15.01188
1.200	19.696	.96208	.14585	-.01199	.85664	.46157	1.85591	-15.03061	-15.04188
	GRADIENT	.06668	-.00140	-.01665	.06334	-.00455	.29957	-.00698	-.00729

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 51/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.819	-.42361	.06606	.12293	-.41827	.09413	-4.44338	-9.96875	-10.01501
.600	-2.217	-.33607	.07055	.11628	-.33309	.08350	-3.98928	-9.98875	-9.98499
.600	-1.160	-.28518	.07241	.11445	-.28365	.07817	-3.62856	-9.97875	-9.98499
.601	-.101	-.23078	.07334	.11194	-.23065	.07375	-3.12755	-9.98875	-9.99500
.600	.955	-.18050	.07325	.11039	-.18169	.07023	-2.58698	-9.98875	-10.00500
.601	2.005	-.12652	.07214	.10877	-.12897	.06767	-1.90596	-9.98875	-9.99500
.601	3.075	-.08176	.07044	.10733	-.08542	.06595	-1.29517	-9.99875	-9.99500
.601	4.120	-.02418	.06695	.10626	-.02893	.06504	-.44479	-9.98875	-9.99500
.600	5.180	.02919	.06258	.10496	.02342	.06496	.36053	-9.98875	-10.00500
.601	6.251	.08263	.05739	.10393	.07589	.06604	1.14914	-9.98875	-10.00500
.600	7.316	.13101	.05192	.10324	.12333	.06818	1.80901	-9.99875	-9.99500
.601	8.384	.18922	.04525	.10268	.18060	.07236	2.49589	-9.97875	-10.00500
.600	9.422	.24043	.03884	.10246	.23082	.07768	2.97158	-9.97875	-9.98499
.600	10.491	.29849	.03149	.10388	.28777	.08531	3.37323	-9.97875	-9.99500
.601	11.568	.35460	.02402	.10495	.34258	.09464	3.61988	-9.97875	-10.00500
.600	12.626	.41546	.01888	.10390	.40129	.10924	3.67332	-9.97875	-9.98499
.601	13.683	.47415	.02804	.09491	.45406	.13941	3.25698	-9.99875	-10.02501
.600	14.749	.53423	.02785	.09269	.50953	.16295	3.12700	-9.99875	-10.02501
.600	16.888	.66043	.02449	.08712	.62483	.21528	2.90236	-10.00875	-10.00500
.600	19.028	.77986	.02568	.08191	.72888	.27854	2.61680	-10.00875	-10.00500
.600	GRADIENT	.04967	.00010	-.00197	.04841	-.00357	.50558	-.00246	.00072

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 5

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 44/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.879	-.43223	.07152	.13145	-.42640	.10059	-4.23892	-9.97501	-9.99250
.702	-2.292	-.34164	.07478	.12345	-.33838	.08838	-3.82876	-10.01499	-10.00250
.702	-1.216	-.28697	.07625	.11921	-.28529	.08232	-3.46540	-10.01499	-10.01250
.701	-.166	-.23027	.07698	.11615	-.23005	.07765	-2.96273	-9.98501	-10.02251
.701	.903	-.17530	.07668	.11407	-.17649	.07391	-2.38790	-9.99500	-9.99250
.701	1.980	-.12201	.07518	.11218	-.12454	.07092	-1.75611	-9.99500	-9.99250
.701	3.054	-.07118	.07305	.11041	-.07497	.06915	-1.08416	-9.97501	-9.99250
.701	4.114	-.01601	.06965	.10891	-.02096	.06832	-.30681	-9.97501	-10.00250
.701	5.174	.03814	.06526	.10759	.03210	.06843	.46916	-9.97501	-10.01250
.701	6.251	.09072	.06027	.10673	.08362	.06979	1.19815	-10.00500	-10.01250
.700	7.324	.14707	.05431	.10554	.13894	.07262	1.91335	-9.99500	-10.01250
.701	8.398	.20423	.04789	.10455	.19504	.07720	2.52648	-9.99500	-10.01250
.701	9.462	.26173	.04158	.10403	.25133	.08404	2.99065	-10.00500	-10.00250
.701	10.554	.32630	.03880	.10167	.31367	.09791	3.20378	-9.99500	-9.97249
.700	11.620	.38263	.04069	.09746	.36659	.11693	3.13527	-10.00500	-10.00250
.700	12.675	.43518	.04250	.09444	.41525	.13695	3.03218	-10.00500	-9.99250
.701	13.758	.49342	.04335	.09255	.46895	.15945	2.94100	-10.01499	-10.01250
.700	14.844	.55107	.04183	.09351	.52196	.18161	2.87405	-10.00500	-10.01250
.701	16.977	.67384	.04141	.08842	.63239	.23637	2.67545	-9.98501	-10.00250
.700	19.136	.78895	.04143	.08841	.73177	.29777	2.45753	-9.99500	-10.00250
GRADIENT		.05166	-.00023	-.00267	.05032	-.00391	.49933	.00240	.00063

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 37/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.931	-.45093	.07980	.14375	-.44440	.11053	-4.02078	-10.01499	-10.01250
.800	-2.270	-.34685	.08206	.13094	-.34332	.09573	-3.58625	-10.01499	-10.02251
.800	-1.212	-.28613	.08260	.12455	-.28432	.08863	-3.20789	-10.01499	-10.02251
.800	-.197	-.22995	.08289	.12024	-.22967	.08368	-2.74452	-10.01499	-10.02251
.800	.881	-.17153	.08241	.11652	-.17278	.07976	-2.16624	-9.98501	-10.01250
.800	2.031	-.11315	.08095	.11373	-.11595	.07688	-1.50812	-9.99500	-10.00250
.800	3.088	-.05659	.07868	.11067	-.06075	.07552	-.80444	-9.99500	-10.02251
.799	4.139	.00169	.07532	.10837	-.00375	.07524	-.04987	-9.99500	-10.02251
.799	5.416	.07273	.07060	.10461	.06574	.07715	.85214	-10.00500	-10.02251
.800	6.320	.12747	.06746	.10071	.11927	.08108	1.47092	-10.00500	-10.03251
.799	7.487	.19423	.06381	.09471	.18426	.08858	2.08019	-10.01499	-10.01250
.799	8.603	.25858	.06149	.09007	.24647	.09948	2.47765	-9.98501	-10.02251
.799	9.604	.30861	.06095	.09001	.29412	.11158	2.63580	-9.98501	-10.02251
.799	10.667	.35750	.06110	.09214	.34001	.12622	2.69373	-9.99500	-10.01250
.799	11.690	.40752	.06188	.09280	.38653	.14317	2.69985	-10.01499	-10.00250
.799	12.758	.46504	.06190	.09003	.43989	.16307	2.69758	-10.01499	-10.01250
.799	13.825	.52040	.06286	.08837	.49030	.18539	2.64468	-10.02499	-10.02251
.799	15.054	.58423	.06473	.08715	.54737	.21425	2.55485	-10.00500	-10.02251
.798	17.099	.69805	.06527	.08275	.64800	.26763	2.42126	-10.02499	-10.03251
.799	19.250	.80365	.06738	.08232	.73650	.32856	2.24160	-9.99500	-10.04251
GRADIENT		.05533	-.00054	-.00415	.05386	-.00419	.49981	.00346	-.00005

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 31/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.974	-.49263	.10044	.17964	-.48448	.13434	-3.60640	-10.01499	-9.97249
.900	-2.341	-.38740	.10329	.16666	-.38286	.11903	-3.21644	-9.99500	-9.97249
.900	-1.205	-.30977	.10333	.15649	-.30753	.10982	-2.80025	-10.00500	-9.95249
.900	-.113	-.24248	.10260	.14812	-.24228	.10308	-2.35049	-10.00500	-9.98250
.900	.932	-.18070	.10151	.14110	-.18233	.09856	-1.84991	-10.01499	-9.97249
.899	2.149	-.10145	.09931	.13027	-.10510	.09544	-1.10127	-10.02499	-9.99250
.899	3.121	-.04010	.09763	.12074	-.04535	.09530	-.47588	-10.02499	-10.00250
.899	4.180	.03437	.09585	.10957	.02729	.09810	.27818	-9.99500	-10.01250
.900	5.330	.10822	.09451	.09976	.09897	.10416	.95022	-10.01499	-10.02251
.899	6.379	.17225	.09273	.09251	.16088	.11129	1.44550	-9.97501	-10.01250
.899	7.509	.23705	.09154	.08595	.22306	.12174	1.83228	-9.99500	-10.02251
.899	8.537	.28683	.09226	.08642	.26995	.13382	2.01733	-9.96502	-9.98250
.899	9.646	.34838	.09206	.08239	.32802	.14914	2.19946	-9.97501	-9.99250
.898	10.748	.40783	.09245	.07597	.38343	.16689	2.29757	-9.99500	-10.00250
.900	11.799	.46572	.09345	.06939	.43677	.18670	2.33937	-9.98501	-10.00250
.899	12.972	.51822	.09362	.07110	.48397	.20756	2.33176	-9.98501	-10.00250
.899	14.067	.57353	.09397	.07049	.53349	.23055	2.31401	-9.97501	-10.01250
.898	15.063	.62494	.09355	.06873	.57916	.25275	2.29146	-10.01499	-10.01250
.898	17.203	.73888	.09333	.06450	.67822	.30769	2.20424	-10.00500	-10.00250
.899	19.424	.84030	.09339	.06639	.76142	.36753	2.07174	-10.00500	-10.01250
GRADIENT		.06402	-.00073	-.00843	.06218	-.00450	.48235	-.00079	-.00549

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TABULATED SOURCE DATA - LA62

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LAFC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 26/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.996	-.51232	.11007	.19936	-.50341	.14550	-3.45979	-10.05497	-10.06252
.921	-2.370	-.40626	.11205	.18496	-.40128	.12876	-3.11650	-10.04498	-10.08252
.921	-1.263	-.33608	.11236	.17640	-.33352	.11974	-2.78546	-10.04498	-10.08252
.921	-.184	-.26445	.11131	.16708	-.26410	.11216	-2.35463	-10.06497	-10.11253
.921	.927	-.19096	.11019	.15696	-.19272	.10709	-1.79966	-10.06497	-10.11253
.921	2.033	-.11760	.10839	.14382	-.12137	.10415	-1.16532	-10.05497	-10.00250
.920	3.123	-.04269	.10672	.13150	-.04844	.10424	-.46468	-10.06497	-10.02251
.920	4.232	.03154	.10536	.11943	.02368	.10740	.22047	-10.06497	-10.03251
.920	5.320	.10465	.10368	.10820	.09459	.11294	.83754	-10.05497	-10.04251
.920	6.397	.17221	.10231	.10131	.15974	.12086	1.32165	-10.07496	-10.05251
.921	7.506	.23497	.10115	.09476	.21974	.13097	1.67778	-10.07496	-10.06252
.920	8.583	.29235	.10060	.09289	.27406	.14310	1.91512	-10.08496	-10.05251
.920	9.676	.36292	.10003	.08044	.34095	.15961	2.13621	-10.10495	-10.08252
.920	10.796	.42891	.09955	.07161	.40268	.17813	2.26052	-10.12494	-10.09252
.921	11.850	.48898	.10033	.06398	.45796	.19860	2.30588	-10.13493	-10.12253
.921	12.935	.53865	.10054	.06151	.50248	.21856	2.29905	-10.17491	-10.14254
.920	14.019	.59290	.10010	.06146	.55100	.24074	2.28875	-10.20490	-10.15254
.920	15.105	.65054	.09981	.05856	.60206	.26589	2.26432	-10.25487	-10.20255
.921	17.288	.77641	.09836	.04787	.71211	.32464	2.19350	-10.03498	-10.08252
.920	19.435	.87687	.09735	.04702	.79451	.38358	2.07134	-10.11494	-10.13253
GRADIENT		.06612	-.00073	-.00971	.06411	-.00468	.45882	-.00202	.00749

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 22/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-4.017	-.52477	.12526	.21958	-.51470	.16172	-3.18267	-10.00500	-10.00250
.951	-2.368	-.41256	.12474	.19923	-.40705	.14169	-2.87307	-10.00500	-10.01250
.951	-1.264	-.33723	.12489	.18856	-.33439	.13230	-2.52756	-10.00500	-10.00250
.951	-.178	-.26786	.12407	.17809	-.26747	.12490	-2.14147	-10.02499	-10.02251
.951	.933	-.19332	.12295	.16552	-.19530	.11978	-1.63045	-10.02499	-10.04251
.951	2.028	-.11374	.12125	.15087	-.11796	.11715	-1.00694	-10.02499	-9.99250
.950	3.136	-.03164	.11930	.13456	-.03812	.11739	-.32475	-10.01499	-9.99250
.950	4.236	.04384	.11795	.12064	.03501	.12087	.28961	-10.02499	-10.01250
.950	5.347	.11972	.11692	.10717	.10831	.12757	.84898	-9.99500	-9.99250
.950	6.434	.19050	.11502	.09565	.17642	.13564	1.30062	-10.02499	-9.99250
.950	7.533	.26159	.11344	.08587	.24446	.14675	1.66580	-10.01499	-10.01250
.950	8.644	.33216	.11186	.07753	.31157	.16051	1.94109	-10.01499	-10.01250
.950	9.743	.40444	.11021	.06682	.37995	.17706	2.14586	-10.02499	-10.03251
.950	10.828	.46503	.10906	.05819	.43627	.19448	2.24322	-10.02499	-10.01250
.950	11.933	.53266	.10803	.04947	.49881	.21583	2.31114	-10.03498	-10.03251
.950	13.018	.59303	.10777	.04122	.55352	.23858	2.32000	-10.03498	-10.03251
.950	14.077	.65141	.10708	.03864	.60580	.26231	2.30948	-10.00500	-10.00250
.950	15.191	.71152	.10648	.03684	.65876	.28920	2.27784	-10.01499	-10.01250
.950	17.367	.82728	.10591	.03005	.75795	.34801	2.17794	-10.02499	-10.02251
.950	19.540	.94495	.10416	.02654	.85568	.41422	2.06577	-10.03498	-10.04251
GRADIENT		.06883	-.00093	-.01184	.06658	-.00487	.43372	-.00259	.00063

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 18/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.050	-.51238	.14680	.21939	-.50073	.18262	-2.74192	-9.97377	-9.98125
.980	-2.363	-.39517	.14473	.19746	-.38887	.16089	-2.41691	-9.98376	-10.00125
.980	-1.260	-.32158	.14389	.18577	-.31834	.15093	-2.10923	-9.98376	-10.02125
.980	-.159	-.24985	.14235	.17492	-.24945	.14305	-1.74386	-9.99375	-10.02125
.980	.943	-.17533	.14100	.16213	-.17763	.13809	-1.28628	-10.01374	-10.04126
.980	2.046	-.09846	.13954	.14780	-.10338	.13593	-.76056	-10.03373	-10.05126
.980	3.155	-.01743	.13852	.13257	-.02503	.13735	-.18223	-10.03373	-10.03125
.980	4.257	.05762	.13745	.11871	.04726	.14135	.33438	-10.02374	-9.98125
.980	5.365	.12847	.13690	.10736	.11511	.14832	.77609	-10.01374	-9.99125
.980	6.458	.20346	.13564	.09449	.18692	.15766	1.18559	-10.02374	-10.00125
.980	7.563	.27902	.13451	.08255	.25889	.17007	1.52229	-10.01374	-10.02125
.980	8.654	.34247	.13418	.07417	.31838	.18418	1.72866	-10.03373	-10.03125
.980	9.756	.41524	.13291	.06336	.38671	.20135	1.92060	-10.03373	-10.04126
.980	10.850	.48218	.13179	.05338	.44876	.22019	2.03800	-10.03373	-10.04126
.980	11.937	.55148	.13196	.04278	.51226	.24317	2.10659	-10.01374	-10.01125
.980	13.051	.61670	.13144	.03462	.57109	.26731	2.13646	-10.01374	-10.00125
.980	14.153	.68289	.13105	.03050	.63012	.29404	2.14295	-10.02374	-10.02125
.980	15.245	.74267	.13071	.02629	.68217	.32139	2.12256	-10.02374	-10.05126
.980	17.416	.86382	.12997	.01551	.78532	.38255	2.05285	-10.02374	-10.01125
.980	19.613	.99390	.12619	.00540	.89387	.45249	1.97545	-10.02374	-10.02125
GRADIENT		.06844	-.00115	-.01194	.06584	-.00486	.38145	-.00792	-.00293

RUN NO. 14/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-4.024	-.45362	.16270	.19786	-.44109	.19413	-2.27210	-9.96377	-10.00125
1.121	-2.331	-.33732	.16093	.17328	-.33050	.17451	-1.89384	-9.98376	-10.03125
1.121	-.118	-.17907	.16033	.13381	-.17874	.16070	-1.11226	-9.99375	-10.06126
1.120	2.092	-.02493	.16037	.09712	-.03076	.15935	-.19306	-10.03373	-10.03125
1.121	4.306	.11844	.15934	.06843	.10614	.16778	.63260	-10.01374	-10.03125
1.121	6.497	.25546	.15649	.04469	.23612	.18439	1.28050	-10.03373	-10.03125
1.121	8.696	.38489	.15173	.02699	.35752	.20818	1.71739	-10.02374	-10.04126
1.120	10.897	.50875	.14588	.01721	.47200	.23943	1.97134	-10.03373	-10.03125
1.120	13.108	.63479	.14235	.01060	.52597	.28261	2.07343	-10.02374	-10.04126
1.120	15.320	.76672	.14166	-.00180	.70205	.33919	2.06977	-10.02374	-10.04126
1.120	17.520	.89144	.14070	-.01279	.80773	.40253	2.00662	-10.01374	-10.07126
1.120	19.699	.99690	.13577	-.01650	.89279	.46387	1.92466	-10.02374	-10.04126
GRADIENT		.06907	-.00034	-.01589	.06612	-.00310	.35766	-.00705	-.00263

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3003) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 7/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.990	-.41002	.17315	.18189	-.39698	.20126	-1.97250	-10.02374	-9.99125
1.201	-2.312	-.29370	.17121	.15053	-.28655	.18292	-1.56651	-9.96377	-10.04126
1.200	-1.202	-.21997	.17021	.13103	-.21635	.17478	-1.23782	-9.94379	-10.04126
1.201	-.099	-.14546	.16964	.11231	-.14517	.16990	-.85444	-10.03373	-10.00125
1.201	1.003	-.07223	.16905	.09471	-.07518	.16776	-.44816	-10.02374	-10.04126
1.201	2.102	-.00273	.16824	.07903	-.00890	.16803	-.05300	-10.00375	-10.06126
1.201	3.201	.06547	.16705	.06450	.05604	.17045	.32879	-10.04372	-10.00125
1.201	4.308	.13097	.16590	.05146	.11814	.17527	.67407	-10.02374	-9.97125
1.200	5.407	.19682	.16434	.03992	.18046	.18216	.99068	-10.00375	-10.00125
1.200	6.496	.26215	.16213	.02839	.24212	.19074	1.26936	-10.00375	-10.03125
1.201	7.590	.32820	.15964	.01858	.30424	.20159	1.50922	-10.00375	-10.03125
1.201	8.709	.38991	.15705	.01124	.36163	.21428	1.68765	-10.02374	-10.03125
1.201	9.802	.45192	.15412	.00572	.41909	.22880	1.83164	-10.01374	-10.03125
1.200	10.907	.51405	.15225	.00131	.47596	.24677	1.92875	-10.01374	-10.02125
1.200	12.004	.57777	.15050	-.00401	.53384	.26737	1.99663	-10.04372	-10.06126
1.201	13.123	.64393	.14970	-.01032	.59313	.29199	2.03132	-10.03373	-10.06126
1.200	14.215	.70633	.14884	-.01651	.64815	.31773	2.03991	-10.01374	-10.03125
1.200	15.328	.76764	.14752	-.02171	.70134	.34519	2.03175	-10.04372	-10.04126
1.201	17.528	.88765	.14318	-.03222	.80331	.40387	1.98905	-10.06371	-9.94124
1.201	19.735	.99861	.13819	-.03448	.89329	.46727	1.91171	-10.05372	-10.07126
1.200	GRADIENT	.06532	-.00081	-.01575	.06225	-.00289	.32948	-.00546	.00208

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 12

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 50/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.709	-.31962	.06149	.07707	-.31497	.08204	-3.83926	-4.99938	-4.97249
.601	-2.174	-.25034	.06528	.07380	-.24768	.07473	-3.31431	-5.00937	-4.96248
.601	-1.114	-.19583	.06720	.07201	-.19449	.07099	-2.73968	-5.00937	-4.97249
.600	-.048	-.14615	.06786	.07060	-.14610	.06798	-2.14911	-5.00937	-4.96248
.600	.999	-.09530	.06746	.06984	-.09646	.06578	-1.46637	-5.01937	-4.96248
.601	2.054	-.04715	.06620	.06885	-.04950	.06447	-.76778	-4.96938	-4.97249
.600	3.135	.00747	.06364	.06739	.00398	.06395	.06228	-4.96938	-4.99250
.600	4.204	.05994	.06026	.06658	.05536	.06449	.85844	-4.97938	-4.97249
.600	5.249	.10772	.05614	.06592	.10213	.06576	1.55307	-4.97938	-4.99250
.600	6.301	.16192	.05074	.06516	.15538	.06820	2.27823	-4.95938	-5.03252
.600	7.359	.21325	.04476	.06463	.20576	.07171	2.86940	-4.96938	-5.02251
.601	8.414	.26993	.03796	.06368	.26147	.07705	3.39344	-5.01937	-5.00250
.600	9.489	.32686	.03082	.06306	.31731	.08429	3.76464	-4.99938	-5.01251
.600	10.544	.38135	.02380	.06411	.37056	.09318	3.97701	-4.99938	-5.03252
.601	11.622	.43878	.01364	.06545	.42643	.10470	4.07293	-4.96938	-4.99250
.600	12.688	.50229	.01778	.06022	.48611	.12767	3.80753	-4.98938	-5.05253
.600	13.751	.56406	.02395	.05350	.54220	.15735	3.44588	-5.01937	-4.97249
.601	14.805	.62042	.02160	.05102	.59430	.17942	3.31236	-4.99938	-5.01251
.600	16.972	.75946	.02039	.04139	.72043	.24119	2.98703	-5.00937	-5.05253
.600	19.078	.87526	.02349	.03524	.81951	.30828	2.65836	-5.06937	-4.99250
GRADIENT		.04802	-.00018	-.00126	.04685	-.00218	.60634	.00471	-.00155

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TABULATED SOURCE DATA - LA62

PAGE 13

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 43/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.794	-.34110	.06470	.08693	-.33607	.08713	-3.85726	-5.01749	-5.00125
.701	-2.243	-.25773	.06798	.08171	-.25487	.07802	-3.26689	-4.98751	-4.95124
.702	-1.178	-.20485	.06952	.07853	-.20338	.07371	-2.75237	-5.00750	-4.97124
.701	-.094	-.15431	.07008	.07692	-.15419	.07033	-2.19232	-5.00750	-5.02126
.701	.956	-.09854	.06953	.07558	-.09968	.06788	-1.46854	-5.01749	-5.03126
.701	2.024	-.04512	.06805	.07390	-.04750	.06642	-.71512	-4.96752	-4.96124
.701	3.111	.00822	.06546	.07229	.00465	.06581	.07070	-4.97751	-4.96124
.700	4.157	.05953	.06221	.07137	.05486	.06636	.82668	-4.98751	-5.02126
.701	5.228	.11490	.05771	.07024	.10917	.06794	1.60678	-4.98751	-5.03126
.701	6.308	.16304	.05245	.06910	.16225	.07070	2.29491	-4.99750	-5.02126
.701	7.373	.22742	.04612	.06795	.21962	.07492	2.93119	-4.98751	-5.03126
.701	8.446	.28532	.03994	.06581	.27636	.08141	3.39457	-4.98751	-4.98125
.701	9.523	.34487	.03439	.06502	.33442	.09097	3.67612	-5.00750	-4.99125
.700	10.604	.40184	.03317	.06265	.38887	.10655	3.64982	-4.98751	-5.00125
.701	11.658	.45534	.03754	.05868	.43836	.12878	3.40406	-4.99750	-5.02126
.701	12.728	.50431	.03930	.05621	.48326	.14944	3.23377	-4.98751	-4.98125
.701	13.794	.56488	.03981	.05364	.53909	.17335	3.10979	-4.99750	-5.02126
.700	14.873	.62701	.03755	.05288	.59637	.19723	3.02373	-5.00750	-5.01125
.700	17.060	.76579	.03771	.04237	.72103	.26071	2.76564	-4.99750	-5.02126
.701	19.194	.88418	.03811	.04114	.82250	.32668	2.51777	-5.01749	-5.02126
.701	GRADIENT	.05719	-.00034	-.00186	.04897	-.00253	.60203	.00402	-.00165

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3004) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 36/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-3.867	-.36303	.07039	.09671	-.35745	.09472	-3.77384	-4.96752	-5.00125
.800	-2.302	-.27539	.07265	.08988	-.27225	.08365	-3.25461	-4.96752	-5.02126
.800	-1.264	-.21615	.07381	.08475	-.21447	.07857	-2.72982	-4.97751	-5.01125
.800	-.134	-.15628	.07423	.08106	-.15611	.07459	-2.09279	-4.98751	-5.03126
.799	1.197	-.08378	.07355	.07862	-.08530	.07178	-1.18832	-5.00750	-5.02126
.799	2.012	-.04367	.07245	.07688	-.04619	.07087	-.65178	-5.00750	-5.02126
.799	3.108	.01137	.07003	.07483	.00756	.07055	.10713	-5.01749	-5.02126
.800	4.190	.07027	.06679	.07299	.06521	.07174	.90888	-4.99750	-5.02126
.800	5.342	.13668	.06249	.06993	.13027	.07494	1.73833	-5.00750	-5.02126
.799	6.400	.19516	.05907	.06617	.18736	.08046	2.32856	-5.00750	-5.02126
.799	7.481	.25663	.05730	.06114	.24699	.09022	2.73753	-5.01749	-5.01125
.799	8.548	.31152	.05586	.05951	.29976	.10154	2.95211	-4.98751	-5.02126
.800	9.679	.36759	.05568	.05970	.35299	.11669	3.02503	-4.99750	-5.03126
.799	10.666	.41405	.05524	.06016	.39657	.13092	3.02984	-4.98751	-5.04126
.799	11.747	.46421	.05585	.06034	.44312	.14919	2.97014	-4.99750	-5.05126
.799	12.827	.52160	.05677	.05882	.49598	.17115	2.89789	-4.98751	-5.06127
.800	13.943	.57710	.05897	.05577	.54589	.19629	2.78101	-5.00750	-5.05126
.799	15.019	.63563	.05976	.05171	.59843	.22243	2.69040	-5.01749	-5.06127
.799	17.215	.77377	.06086	.04283	.72109	.28714	2.51134	-5.06747	-5.06127
.799	19.444	.88239	.06217	.03836	.81137	.35235	2.30270	-5.06747	-5.11128
GRADIENT		.05351	-.00042	-.00285	.05220	-.00274	.59609	-.00606	-.00180

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 30/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.907	-.39550	.08682	.12161	-.38867	.11357	-3.42233	-4.99750	-5.04126
.900	-2.313	-.29098	.08922	.10928	-.28714	.10089	-2.84601	-4.99750	-4.99125
.999	-1.174	-.21803	.08959	.09984	-.21615	.09404	-2.29853	-5.00750	-5.01125
.900	-.121	-.15153	.08976	.09320	-.15134	.09008	-1.68010	-5.00750	-5.00125
.899	1.002	-.08432	.08920	.08578	-.08586	.08771	-.97894	-5.00750	-4.97124
.899	2.097	-.01524	.08885	.07754	-.01848	.08824	-.20944	-4.97751	-4.97124
.899	3.290	.06042	.08755	.06748	.05529	.09087	.60845	-4.97751	-4.98125
.899	4.322	.12627	.08697	.06068	.11936	.09624	1.24024	-4.98751	-5.00125
.899	5.318	.17875	.08602	.05690	.17001	.10222	1.65325	-4.98751	-5.01125
.899	6.449	.23369	.08550	.05445	.22261	.11121	2.00172	-4.99750	-5.00125
.899	7.500	.28750	.08568	.05273	.27385	.12247	2.23605	-4.98751	-5.00125
.898	8.620	.34109	.08489	.05151	.32452	.13506	2.40275	-4.98751	-5.00125
.899	9.870	.40645	.08522	.04984	.38582	.15363	2.51136	-5.00750	-5.01125
.899	10.737	.44752	.08606	.04597	.42365	.16793	2.52280	-4.97751	-5.02126
.899	11.824	.49969	.08634	.04327	.47140	.18683	2.52225	-4.99750	-5.02126
.899	13.017	.56226	.08677	.04058	.52827	.21119	2.50141	-5.02749	-5.04126
.899	13.981	.61302	.08654	.03729	.57395	.23208	2.47303	-4.94753	-5.01125
.899	15.114	.67664	.08600	.03378	.63081	.25944	2.43138	-4.95752	-5.03126
.899	17.287	.79397	.08612	.02804	.73252	.31816	2.30237	-4.99750	-5.00125
.898	19.472	.89280	.08598	.02983	.81307	.37867	2.14716	-5.07746	-5.09127
GRADIENT		.06305	-.00009	-.00736	.06141	-.00206	.58645	.00262	.00517

RUN NO. 13/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-3.982	-.37866	.14797	.14852	-.36747	.17391	-2.11297	-4.99688	-4.99062
1.120	-2.281	-.26574	.14721	.12594	-.25967	.15767	-1.64690	-4.99688	-5.02063
1.121	-.060	-.11160	.14887	.09050	-.11144	.14898	-.74800	-4.96690	-5.03063
1.120	2.149	.04000	.14990	.05629	.03435	.15130	.22702	-4.97689	-4.97062
1.121	4.350	.17923	.14994	.02958	.16734	.16310	1.02600	-4.96690	-5.03063
1.120	6.537	.31077	.14634	.00920	.29203	.18136	1.61020	-5.03685	-5.04063
1.120	8.715	.42937	.14230	-.00303	.40285	.20572	1.95825	-5.02686	-5.03063
1.121	10.937	.55107	.13753	-.01126	.51497	.23959	2.14941	-5.02686	-5.00063
1.122	13.125	.67631	.13618	-.01832	.62772	.28620	2.19329	-5.00687	-4.99062
1.121	15.339	.81115	.13511	-.03223	.74652	.34487	2.16464	-5.02686	-4.99062
1.121	17.547	.93446	.13486	-.04286	.85032	.41031	2.07236	-5.04685	-5.00063
1.120	19.725	1.03698	.13139	-.04414	.93179	.47367	1.96716	-5.03685	-5.05063
GRADIENT		.06738	.00032	-.01458	.06464	-.00122	.38749	.00378	-.00128

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 6/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.921	-.34483	.16036	.14026	-.33306	.18356	-1.81445	-4.97689	-4.98062
1.201	-2.269	-.23469	.15903	.11261	-.22821	.16820	-1.35677	-4.97689	-5.02063
1.201	-1.160	-.16322	.15832	.09478	-.15998	.16159	-.99005	-4.98688	-5.00063
1.201	-.059	-.09120	.15786	.07719	-.09104	.15795	-.57636	-5.01686	-5.02063
1.201	1.051	-.02014	.15738	.06072	-.02303	.15698	-.14668	-4.98688	-5.03063
1.201	2.142	.04976	.15673	.04562	.04387	.15848	.27681	-4.98688	-5.03063
1.201	3.247	.11520	.15594	.03203	.10619	.16222	.65454	-4.99688	-5.01063
1.201	4.345	.18080	.15499	.01967	.16854	.16825	1.00175	-4.99688	-4.99062
1.201	5.433	.24632	.15389	.00763	.23064	.17652	1.30662	-4.99688	-5.02063
1.201	6.530	.30846	.15269	-.00164	.28909	.18678	1.54775	-4.97689	-5.01063
1.200	7.629	.37041	.15105	-.00977	.34708	.19888	1.74516	-5.00687	-5.02063
1.200	8.714	.42773	.14853	-.01508	.40029	.21162	1.89158	-4.99688	-5.02063
1.200	9.816	.48863	.14607	-.01992	.45657	.22724	2.00925	-5.01686	-5.03063
1.200	10.934	.55194	.14465	-.02429	.51449	.24671	2.08541	-5.01686	-4.99062
1.200	12.032	.61738	.14349	-.02984	.57391	.26903	2.13324	-5.00687	-5.03063
1.200	13.146	.67998	.14302	-.03564	.62963	.29392	2.14218	-4.99688	-5.02063
1.200	14.236	.74000	.14129	-.04104	.68253	.31892	2.14011	-4.99688	-5.00063
1.200	15.349	.80221	.14051	-.04654	.73638	.34794	2.11640	-5.02686	-5.04063
1.200	17.555	.92668	.13889	-.05786	.84163	.41193	2.04314	-5.02686	-5.02063
1.200	19.742	1.03025	.13748	-.05825	.92326	.47740	1.93395	-5.04685	-5.01063
1.200	GRADIENT	.06369	-.00061	-.01467	.06083	-.00165	.35164	-.00222	-.00149

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 52/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.696	-.27864	.06036	.05520	-.27417	.07820	-3.50608	-2.49969	-2.49125
.601	-2.133	-.20329	.06450	.05222	-.20075	.07203	-2.78722	-2.49969	-2.50125
.601	-1.088	-.15405	.06611	.05124	-.15276	.06902	-2.21330	-2.49969	-2.50125
.601	-.023	-.10520	.06664	.05033	-.10517	.06668	-1.57726	-2.50969	-2.50125
.600	1.024	-.05493	.06634	.04971	-.05611	.06535	-.85861	-2.50969	-2.50125
.601	2.095	-.00114	.06459	.04854	-.00350	.06450	-.05430	-2.51969	-2.50125
.601	3.154	.05177	.06196	.04752	.04829	.06471	.74616	-2.50969	-2.50125
.600	4.208	.09868	.05888	.04704	.09409	.06596	1.42650	-2.50969	-2.50125
.600	5.270	.15363	.05412	.04609	.14801	.06800	2.17671	-2.49969	-2.51126
.601	6.328	.20439	.04878	.04522	.19777	.07101	2.78505	-2.50969	-2.51126
.600	7.371	.25941	.04259	.04423	.25181	.07552	3.33436	-2.49969	-2.51126
.600	8.441	.31340	.03586	.04290	.30474	.08148	3.73996	-2.50969	-2.52126
.601	9.521	.37315	.02861	.04228	.36328	.08994	4.03925	-2.49969	-2.49125
.600	10.573	.42674	.02157	.04349	.41554	.09951	4.17593	-2.49969	-2.50125
.601	11.651	.48384	.01470	.04408	.47090	.11211	4.20034	-2.49969	-2.51126
.601	12.708	.54846	.01721	.03795	.53124	.13744	3.86514	-2.48969	-2.48124
.600	13.786	.60574	.02350	.03195	.58269	.16717	3.48567	-2.49969	-2.49125
.600	14.850	.66476	.01954	.02955	.63754	.18928	3.36828	-2.51969	-2.51126
.600	16.985	.80092	.02087	.01899	.75989	.25392	2.99266	-2.51969	-2.52126
.600	19.122	.92596	.02395	.01241	.86703	.32595	2.66000	-2.51969	-2.44122
.600	GRADIENT	.04791	-.00026	-.00098	.04677	-.00152	.64056	-.00194	-.00081

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1075.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 45/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.804	-.29318	.06310	.06067	-.28835	.08241	-3.49906	-2.47907	-2.49093
.701	-2.215	-.21274	.06630	.05630	-.21002	.07447	-2.82012	-2.47907	-2.50094
.701	-1.145	-.15666	.06785	.05434	-.15528	.07097	-2.18788	-2.46907	-2.50094
.702	-.081	-.10639	.06830	.05314	-.10630	.06846	-1.55281	-2.47907	-2.51094
.702	.981	-.05785	.06779	.05193	-.05901	.06679	-.88348	-2.46907	-2.51094
.701	2.060	-.00320	.06613	.05078	-.00558	.06597	-.08453	-2.47907	-2.50094
.701	3.132	.05307	.06337	.04971	.04953	.06618	.74842	-2.48907	-2.52095
.702	4.200	.10563	.05974	.04877	.10097	.06732	1.49997	-2.49906	-2.51094
.702	5.267	.15759	.05556	.04754	.15182	.06979	2.17539	-2.47907	-2.51094
.702	6.339	.21285	.05017	.04679	.20601	.07337	2.80795	-2.47907	-2.52095
.702	7.414	.27291	.04388	.04472	.26497	.07874	3.36530	-2.48907	-2.52095
.701	8.488	.33047	.03793	.04296	.32125	.08629	3.72277	-2.47907	-2.51094
.702	9.557	.39217	.03284	.04142	.38128	.09750	3.91063	-2.46907	-2.51094
.701	10.640	.45084	.03260	.03977	.43706	.11528	3.79119	-2.46907	-2.54095
.701	11.694	.49537	.03748	.03674	.47749	.13711	3.48257	-2.46907	-2.61098
.701	12.753	.54437	.04033	.03368	.52204	.15950	3.27304	-2.47907	-2.56096
.701	13.836	.61162	.04101	.02942	.58407	.18608	3.13873	-2.48907	-2.56096
.701	14.906	.67490	.03810	.02790	.64239	.21042	3.05286	-2.48907	-2.51094
.701	17.079	.81901	.03808	.01579	.77171	.27694	2.78655	-2.55904	-2.57096
.701	19.235	.93945	.03785	.01427	.87454	.34523	2.53323	-2.56904	-2.58097
.702	GRADIENT	.04956	-.00043	-.00139	.04838	-.00180	.63737	-.00217	-.00261

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 38/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-3.831	-.31344	.06804	.07088	-.30819	.08883	-3.46957	-2.48876	-2.49062
.800	-2.245	-.22673	.07029	.06566	-.22380	.07912	-2.82876	-2.46877	-2.50063
.800	-1.138	-.16947	.07128	.06202	-.16803	.07463	-2.25145	-2.48876	-2.50063
.800	-.084	-.11530	.07167	.05974	-.11519	.07184	-1.60345	-2.48876	-2.50063
.800	1.066	-.05804	.07105	.05771	-.05935	.06996	-.84838	-2.50875	-2.49062
.799	2.106	-.00016	.06956	.05606	-.00271	.06950	-.03906	-2.49875	-2.50063
.800	3.141	.05335	.06727	.05429	.04958	.07010	.70737	-2.50875	-2.50063
.799	4.280	.11770	.06355	.05193	.11263	.07216	1.56100	-2.50875	-2.50063
.799	5.373	.17816	.05979	.04924	.17178	.07621	2.25402	-2.49875	-2.50063
.799	6.487	.24016	.05684	.04499	.23220	.08360	2.77746	-2.48876	-2.51063
.799	7.552	.29583	.05556	.04181	.28597	.09396	3.04364	-2.51874	-2.51063
.799	8.603	.34654	.05453	.04033	.33448	.10576	3.16279	-2.52874	-2.54064
.799	9.666	.39756	.05390	.04094	.38286	.11989	3.19350	-2.53873	-2.54064
.799	10.730	.44808	.05375	.04203	.43024	.13624	3.15801	-2.56872	-2.52063
.799	11.781	.49795	.05463	.04183	.47631	.15515	3.07006	-2.50875	-2.55064
.799	12.954	.55889	.05543	.03911	.53224	.17930	2.96841	-2.51874	-2.53063
.800	13.989	.61515	.05757	.03465	.58299	.20456	2.84990	-2.51874	-2.55064
.799	15.063	.68094	.05852	.02811	.64234	.23347	2.75128	-2.56872	-2.56064
.799	17.269	.82168	.05997	.01657	.76684	.30119	2.54606	-2.55872	-2.58065
.800	19.375	.91910	.06185	.01331	.84653	.36326	2.33041	-2.69865	-2.60065
GRADIENT		.05269	-.00052	-.00223	.05143	-.00196	.63404	-.00402	-.00067

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRCN = .000

RUN NO. 47/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.726	-.23086	.06081	.03214	-.22642	.07568	-2.99178	-3.03886	.00000
.601	-2.146	-.15920	.06485	.03065	-.15666	.07076	-2.21386	.01000	.01001
.601	-1.100	-.10892	.06643	.02972	-.10762	.06850	-1.57100	.00000	.01001
.601	-.036	-.06074	.06681	.02862	-.06070	.06685	-.90797	.00000	.00000
.601	1.011	-.01044	.06634	.02799	-.01161	.06614	-.17554	.00000	.00000
.601	2.068	.03953	.06468	.02672	.03717	.06607	.56260	-.01000	.01001
.601	3.130	.09417	.06226	.02586	.09064	.06731	1.34651	.00000	.02002
.600	4.205	.14361	.05881	.02485	.13891	.06918	2.00795	.01000	.03003
.601	5.257	.19811	.05407	.02384	.19232	.07200	2.67122	-.01000	-.02001
.601	6.332	.25447	.04822	.02262	.24760	.07599	3.25819	.00000	-.02001
.601	7.386	.31165	.04164	.02139	.30371	.08136	3.73315	-.01000	-.03001
.601	8.444	.36314	.03540	.01973	.35400	.08835	4.00697	-.01999	.00000
.601	9.506	.41752	.02852	.01873	.40708	.09709	4.19297	-.01000	-.03001
.601	10.575	.47553	.02102	.01984	.46360	.10793	4.29523	-.03999	-.03001
.601	11.645	.53529	.01411	.02027	.52143	.12187	4.27870	-.02999	-.05002
.601	12.677	.59333	.01581	.01578	.57539	.14563	3.95112	-.02999	.01001
.601	13.767	.64996	.01969	.01232	.62660	.17380	3.60533	-.01000	.00000
.601	14.834	.71315	.02022	.00848	.68421	.20213	3.38491	-.01999	-.02001
.601	16.968	.84933	.02307	-.00373	.80562	.26993	2.98450	-.01000	.01001
.601	19.113	.97243	.02599	-.00925	.91032	.34297	2.65425	.00000	-.03001
.601	GRADIENT	.04739	-.00031	-.00092	.04624	-.00080	.64636	.24717	.00280

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 40/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.762	-.24728	.06301	.03814	-.24262	.07909	-3.06748	-.03998	-.02001
.701	-2.183	-.16797	.06624	.03480	-.16533	.07259	-2.27761	-.01000	.00000
.700	-1.105	-.11446	.06762	.03349	-.11313	.06982	-1.62045	-.01000	.00000
.701	-.053	-.06524	.06797	.03238	-.06518	.06803	-.95805	.02999	-.02001
.701	1.005	-.01211	.06736	.03170	-.01329	.06714	-.19801	.00000	-.02001
.701	2.082	.04120	.06577	.02999	.03878	.06723	.57687	.00000	-.03001
.701	3.149	.09284	.06315	.02908	.08924	.06815	1.30931	.00000	-.02001
.701	4.230	.14912	.05937	.02759	.14434	.07021	2.05589	.00000	.01001
.701	5.280	.20348	.05483	.02624	.19757	.07332	2.69455	.00000	.00000
.701	6.372	.25991	.04941	.02456	.25282	.07795	3.24325	.00000	.00000
.700	7.437	.31963	.04316	.02228	.31135	.08417	3.69920	.01000	.00000
.701	8.522	.37867	.03719	.02033	.36898	.09290	3.97182	.00000	-.03001
.700	9.581	.44073	.03231	.01917	.42921	.10521	4.07940	.01000	-.04001
.700	10.669	.49496	.03227	.01796	.48043	.12335	3.89497	.01999	-.05001
.700	11.706	.53254	.03870	.01691	.51361	.14594	3.51934	.02999	.00000
.701	12.787	.58829	.03977	.01451	.56490	.16898	3.34296	.02999	-.01000
.700	13.873	.65017	.03942	.01217	.62175	.19416	3.20229	.01999	-.04001
.700	14.934	.71383	.03659	.01127	.68029	.21932	3.10186	.01000	-.07002
.700	17.105	.86073	.03873	-.00463	.81126	.29018	2.79569	.04998	.00000
.700	19.260	.97592	.03811	-.00189	.90873	.35788	2.53918	-.02999	.00000
.701	GRADIENT	.04934	-.00047	-.00123	.04816	-.00104	.65402	.00375	-.00212

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 33/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-3.794	-.27168	.06723	.04681	-.26664	.08506	-3.13461	-.01999	.01001
.800	-2.197	-.18620	.06927	.04291	-.18341	.07636	-2.40196	-.01999	.00000
.800	-.939	-.12130	.07055	.04004	-.12013	.07253	-1.65639	-.01000	.02002
.800	-.067	-.07695	.07069	.03844	-.07686	.07078	-1.08599	.00000	.03003
.799	.978	-.02235	.07028	.03653	-.02354	.06989	-.33688	-.01999	.03003
.800	2.167	.04110	.06854	.03496	.03848	.07004	.54942	-.01000	.02002
.799	3.181	.09410	.06621	.03342	.09028	.07133	1.26574	-.02999	.02002
.799	4.291	.15194	.06301	.03118	.14680	.07420	1.97843	.00000	.02002
.800	5.393	.21119	.05949	.02846	.20466	.07907	2.58830	.00000	.01001
.799	6.380	.27624	.05633	.02443	.26827	.08668	3.09514	.00000	.00000
.799	7.520	.32733	.05527	.02176	.31728	.09763	3.24965	-.01000	.01001
.800	8.578	.38206	.05446	.02101	.36966	.11083	3.33539	-.01000	-.05001
.799	9.782	.44071	.05340	.02173	.42523	.12750	3.33504	.00000	-.09002
.799	10.744	.48275	.05357	.02337	.46430	.14263	3.25533	-.03996	-.12003
.799	11.782	.53167	.05473	.02231	.50929	.16214	3.14114	-.03998	-.01000
.799	12.913	.59038	.05527	.01984	.56309	.18580	3.03057	-.11994	-.06002
.799	13.936	.64544	.05697	.01545	.61272	.21073	2.90758	-.10995	-.11003
.800	15.057	.72535	.05865	.00566	.68521	.24507	2.79593	-.02999	-.04001
.800	17.158	.85753	.06040	-.00791	.80155	.31069	2.57986	-.02999	.02002
.798	19.381	.96017	.06219	-.00835	.88512	.37729	2.34598	-.06997	-.02001
GRADIENT		.05231	-.00051	-.00186	.05107	-.00123	.65251	.00080	.00182

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 27/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.827	-.28961	.08184	.05677	-.28350	.10099	-2.80731	.00000	.01001
.900	-2.242	-.19283	.08348	.04708	-.18942	.09095	-2.08256	.01000	-.03001
.899	-1.144	-.12354	.08405	.04042	-.12183	.08650	-1.40849	.01000	-.01000
.900	-.041	-.05786	.08456	.03453	-.05780	.08460	-.68322	.01999	-.03001
.899	1.068	.01084	.08412	.02917	.00927	.08431	.10991	.01999	-.01000
.899	2.133	.07106	.08397	.02388	.06789	.08655	.78435	.01999	-.03001
.899	3.241	.13208	.08331	.01950	.12716	.09064	1.40292	.01999	.04005
.899	4.291	.18312	.08313	.02043	.17639	.09660	1.82597	.01000	-.06002
.900	5.381	.23325	.08301	.02118	.22444	.10452	2.14741	.01000	.00000
.899	6.485	.28807	.08156	.02100	.27701	.11357	2.43905	.01999	.01001
.899	7.563	.34096	.08147	.01864	.32727	.12564	2.60476	.01999	-.01000
.899	8.647	.39612	.08120	.01764	.37941	.13983	2.71327	.01999	-.03001
.899	9.681	.44615	.08052	.01535	.42626	.15440	2.76080	.01000	-.03001
.899	10.786	.49727	.08159	.01262	.47321	.17321	2.73204	.00000	-.05001
.899	11.888	.55612	.08214	.00678	.52727	.19494	2.70475	-.03998	-.05001
.900	12.940	.61206	.08345	.00252	.57783	.21839	2.64588	-.02999	-.04001
.899	14.025	.67042	.08306	-.00068	.63031	.24305	2.59330	-.01999	-.04001
.899	15.131	.73796	.08329	-.00563	.69063	.27304	2.52944	-.05997	-.10003
.899	17.306	.85998	.08341	-.01580	.79624	.33545	2.37362	-.01000	.02002
.899	19.468	.96460	.08400	-.01602	.88145	.40068	2.19988	-.02999	-.09002
GRADIENT	.05876	.00009	-.00473	.05720	-.00043	.60039	.00165		-.00201

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 23/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.864	-.29791	.09042	.05859	-.29114	.11030	-2.63964	-.01999	.00000
.920	-2.241	-.18739	.09157	.04474	-.18367	.09883	-1.85849	-.02999	.00000
.921	-1.138	-.11986	.09235	.03657	-.11801	.09472	-1.24592	-.01000	-.02001
.920	-.050	-.05059	.09164	.02897	-.05051	.09168	-.55088	.00000	.01001
.921	1.058	.01747	.09204	.02239	.01576	.09234	.17071	.00000	.00000
.921	2.144	.08451	.09171	.01636	.08102	.09481	.85454	.01000	.03003
.921	3.228	.14119	.09118	.01273	.13583	.09898	1.37224	.00000	.02002
.920	4.328	.19796	.09015	.01221	.19059	.10483	1.81818	.00000	.01001
.920	5.393	.25063	.08973	.01469	.24109	.11289	2.13568	.01000	.01001
.920	6.507	.30558	.08862	.01290	.29357	.12268	2.39292	.01000	.00000
.920	7.591	.35966	.08773	.01218	.34492	.13447	2.56494	.01000	-.01000
.921	8.649	.40973	.08782	.01189	.39187	.14844	2.63994	.00000	.01001
.921	9.750	.47319	.08796	.00516	.45145	.16682	2.70619	.01000	-.01000
.921	10.818	.52499	.08850	.00321	.49905	.18547	2.69079	.01000	.00000
.921	11.902	.57750	.09024	-.00267	.54648	.20740	2.63494	-.05997	-.03001
.920	12.973	.63570	.09098	-.00921	.59905	.23136	2.58924	.05998	.00000
.920	14.066	.69875	.09125	-.01320	.65562	.25834	2.53781	.02999	.04005
.920	15.177	.76057	.09115	-.01767	.71019	.28708	2.47382	.01999	.04005
.921	17.349	.88776	.09079	-.03012	.82030	.35138	2.33452	-.03998	-.04001
.920	19.505	.98837	.08985	-.03030	.90165	.41469	2.17427	-.03998	-.05001
GRADIENT	.06071	-.00004	-.00582	.05901	-.00049	.56807	.00364	.00317	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 19/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.868	-.32608	.10855	.08670	-.31802	.13030	-2.44068	.28989	.23026
.951	-2.251	-.21627	.10848	.06709	-.21184	.11689	-1.81234	.26990	.24027
.951	-1.157	-.14050	.10791	.05576	-.13829	.11072	-1.24904	.26990	.23026
.950	-.053	-.07380	.10719	.04665	-.07370	.10726	-.68707	.26990	.23026
.950	1.048	-.00103	.10692	.03650	-.00299	.10688	-.02795	.26990	.23026
.950	2.147	.06988	.10638	.02686	.06584	.10893	.60447	.27990	.24027
.950	3.230	.13694	.10536	.01696	.13079	.11290	1.15842	.27990	.23026
.950	4.334	.21127	.10400	.00720	.20280	.11967	1.69466	.27990	.24027
.950	5.425	.27243	.10235	.00202	.26153	.12765	2.04888	.26990	.23026
.950	6.526	.33499	.10064	-.00416	.32138	.13806	2.32784	.27990	.21024
.950	7.609	.39616	.09896	-.00757	.37957	.15055	2.52123	.27990	.19021
.950	8.706	.45284	.09800	-.01040	.43279	.16542	2.61633	.26990	.16018
.950	9.772	.50911	.09770	-.01314	.48514	.18270	2.65540	.28989	.12014
.950	10.877	.56693	.09893	-.01859	.53808	.20413	2.63599	.29989	.05006
.950	11.953	.62613	.09898	-.02410	.59206	.22651	2.61380	.21992	-.07002
.950	13.043	.68710	.10010	-.02913	.64678	.25258	2.56070	.01000	-.17004
.950	14.135	.74870	.10017	-.03308	.70157	.27997	2.50584	.00000	-.30008
.950	15.235	.80686	.09993	-.03586	.75225	.30844	2.43889	-.03998	-.54014
.952	17.422	.93996	.10202	-.04782	.86629	.37877	2.28711	-.08996	-.04001
.949	19.590	1.04643	.10135	-.04775	.95188	.44633	2.13268	-.02999	-.17004
GRADIENT		.06506	-.00054	-.00946	.06309	-.00116	.52057	-.00003	.00054

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 15/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.981	-3.938	-.32938	.13194	.09724	-.31954	.15425	-2.07155	.04998	.03003
.981	-2.252	-.21472	.13060	.07688	-.20942	.13893	-1.50739	.01000	.02002
.981	-1.148	-.14090	.12957	.06574	-.13828	.13237	-1.04464	.01000	.02002
.981	-.055	-.07545	.12925	.05676	-.07533	.12932	-.58250	.01000	.02002
.981	1.049	-.00173	.12851	.04613	-.00408	.12846	-.03179	.01000	.01001
.980	2.145	.06656	.12786	.03583	.06172	.13026	.47385	-.00999	.00000
.980	3.248	.13975	.12686	.02479	.13233	.13457	.98338	.00000	.01001
.980	4.346	.21072	.12600	.01359	.20056	.14161	1.41630	.00000	.00000
.980	5.444	.27868	.12454	.00493	.26560	.15042	1.76570	-.03998	-.02000
.980	6.540	.34468	.12275	-.00283	.32846	.16121	2.03746	.01999	.00000
.980	7.618	.40421	.12244	-.00891	.38441	.17495	2.19728	.00000	.01001
.980	8.731	.47449	.12226	-.01664	.45043	.19287	2.33541	-.00999	-.02000
.980	9.822	.53401	.12339	-.02053	.50513	.21269	2.37503	-.01999	-.04001
.980	10.915	.59690	.12422	-.02703	.56258	.23500	2.39398	.01000	.01001
.981	11.992	.65548	.12631	-.03268	.61493	.25975	2.36739	-.04997	.00000
.980	13.096	.71927	.12629	-.03871	.67195	.28598	2.34961	-.03999	-.05001
.979	14.202	.78206	.12621	-.04240	.72719	.31423	2.31418	-.06996	-.04001
.980	15.299	.84538	.12599	-.04724	.78218	.34458	2.26995	-.02998	-.02000
.980	17.466	.97063	.12692	-.05868	.88779	.41238	2.15283	.01999	.03003
.980	19.668	1.09825	.12562	-.06903	.99189	.48794	2.03284	-.00999	.00000
GRADIENT	.06482	-.00069	-.00069	-.00983	.06244	-.00135	.43382	-.00497	-.00344

RUN NO. 10/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.119	-3.999	-.31884	.14355	.10412	-.30805	.16544	-1.86201	.01000	.03003
1.120	-2.234	-.20426	.14337	.08271	-.19851	.15122	-1.31274	.00000	.02002
1.120	-.038	-.05502	.14594	.04953	-.05492	.14598	-.37623	.02999	.02002
1.120	2.179	.09323	.14757	.01734	.08756	.15100	.57983	.05997	-.04001
1.119	4.368	.23053	.14737	-.00764	.21864	.16450	1.32912	.05997	-.02000
1.119	6.563	.35780	.14466	-.02450	.33892	.18461	1.83589	.00000	-.01000
1.120	8.763	.47359	.13910	-.03329	.44687	.20962	2.13183	-.03998	-.01000
1.121	10.949	.59466	.13609	-.04343	.55798	.24656	2.26310	-.03998	.06005
1.120	13.171	.72213	.13685	-.05038	.67195	.29779	2.25648	-.00999	-.04001
1.120	15.373	.85711	.13790	-.06471	.78988	.36019	2.19294	-.02998	.02002
1.120	17.571	.98091	.13962	-.07630	.89299	.42923	2.08047	.02999	.00000
1.120	19.738	1.08647	.13776	-.08181	.97611	.49658	1.96567	-.04997	-.04001
GRADIENT	.06602	.00056	.00056	-.01367	.06334	-.00001	.39184	.00765	-.00760

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 3/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.869	-.29228	.15267	.10273	-.28131	.17204	-1.63514	.07996	.01001
1.200	-2.227	-.18386	.15310	.07645	-.17777	.16013	-1.11018	.01999	-.05001
1.201	-1.139	-.11361	.15323	.05959	-.11054	.15546	-.71107	-.02998	-.09001
1.201	-.029	-.04245	.15335	.04290	-.04238	.15337	-.27631	-.00999	.00000
1.201	1.069	.02608	.15329	.02739	.02322	.15375	.15103	.00000	-.05001
1.201	2.153	.09140	.15295	.01341	.08559	.15627	.54770	-.00999	-.08001
1.200	3.263	.15876	.15241	.00046	.14983	.16120	.92947	-.03998	-.04001
1.201	4.347	.22060	.15167	-.01013	.20847	.16795	1.24125	-.02998	-.08001
1.201	5.452	.28314	.15076	-.02080	.26754	.17698	1.51168	-.02998	-.02000
1.201	6.554	.34948	.14975	-.03147	.33010	.18866	1.74971	.00000	-.07001
1.200	7.641	.40892	.14842	-.03755	.38555	.20148	1.91361	.00000	.00000
1.200	8.749	.46626	.14567	-.04166	.43868	.21489	2.04142	-.01999	-.05001
1.200	9.850	.52680	.14361	-.04674	.49447	.23160	2.13497	-.04997	.02002
1.200	10.956	.58898	.14195	-.05077	.55127	.25129	2.19372	-.03998	-.03000
1.201	12.050	.65253	.14121	-.05695	.60867	.27433	2.21878	-.04997	.05004
1.200	13.163	.71427	.14151	-.06199	.66328	.30045	2.20760	-.05996	.03003
1.200	14.266	.77645	.14219	-.06758	.71747	.32914	2.17983	-.05996	-.03000
1.201	15.370	.84034	.14283	-.07456	.77243	.36046	2.14292	.03998	.00000
1.200	17.572	.96409	.14364	-.08679	.87574	.42800	2.04609	.03998	.01001
1.201	19.759	1.06857	.14326	-.08890	.95723	.49606	1.92966	.03998	-.06001
	GRADIENT	.06247	-.00011	-.01384	.05969	-.00032	.35975	-.01079	-.00654

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 53/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.615	-.18133	.06245	.00905	-.17704	.07376	-2.40030	2.50906	2.53285
.601	-2.078	-.11315	.06599	.00804	-.11068	.07005	-1.58009	2.50906	2.49280
.600	-1.032	-.06411	.06739	.00735	-.06289	.06853	-.91758	2.52905	2.50282
.601	.030	-.01720	.06777	.00663	-.01724	.06777	-.25441	2.49906	2.51283
.601	1.069	.03503	.06709	.00568	.03378	.06773	.49864	2.50906	2.50282
.600	2.139	.08795	.06529	.00435	.08546	.06853	1.24703	2.48907	2.49280
.600	3.195	.13746	.06281	.00345	.13375	.07037	1.90060	2.48907	2.51283
.600	4.273	.18886	.05915	.00243	.18393	.07305	2.51778	2.48907	2.50282
.600	5.324	.24288	.05447	.00118	.23678	.07677	3.08410	2.49906	2.49280
.600	6.375	.29705	.04878	-.00032	.28980	.08146	3.55773	2.48907	2.49280
.600	7.438	.35340	.04234	-.00213	.34494	.08773	3.93168	2.46907	2.47278
.600	8.512	.41006	.03553	-.00398	.40029	.09583	4.17685	2.47907	2.49280
.600	9.580	.46860	.02813	-.00363	.45739	.10572	4.32635	2.46907	2.49280
.600	10.645	.52383	.02116	-.00250	.51090	.11755	4.34621	2.47907	2.49280
.601	11.706	.58415	.01439	-.00192	.56909	.13261	4.29154	2.51906	2.47278
.601	12.783	.63776	.01850	-.00643	.61786	.15915	3.88232	2.48907	2.47278
.601	13.814	.69425	.02009	-.00897	.66938	.18527	3.61289	2.49906	2.47278
.600	14.914	.76046	.02135	-.01382	.72934	.21635	3.37107	2.47907	2.50282
.601	17.041	.89131	.02566	-.02609	.84466	.28573	2.95610	2.46907	2.40270
.601	19.164	1.01062	.02839	-.02891	.94530	.35858	2.63621	2.54904	2.49280
GRADIENT		.04721	-.00046	-.00086	.04604	-.00007	.64016	-.00371	-.00181

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 46/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.702	-3.734	-.20245	.06410	.01390	-.19795	.07714	-2.56469	2.50906	2.52284
.701	-2.147	-.12617	.06715	.01192	-.12557	.07183	-1.72018	2.50906	2.50282
.701	-1.074	-.06915	.06867	.01101	-.06785	.06995	-.96999	2.50906	2.50282
.701	-.014	-.02140	.06900	.00976	-.02138	.06900	-.30984	2.50906	2.50282
.701	1.067	.03426	.06815	.00879	.03299	.06878	.47960	2.50906	2.51283
.701	2.122	.08517	.06652	.00713	.08265	.06963	1.18703	2.52905	2.43280
.701	3.178	.13722	.06389	.00556	.13347	.07140	1.86933	2.51906	2.49280
.702	4.271	.19415	.06009	.00423	.18914	.07438	2.54291	2.51906	2.50282
.701	5.328	.24704	.05560	.00266	.24081	.07829	3.07563	2.52905	2.50282
.701	6.390	.30414	.05018	.00049	.29667	.08372	3.54364	2.50906	2.48279
.702	7.473	.36960	.04369	-.00227	.36078	.09139	3.94774	2.51906	2.48279
.701	8.544	.42583	.03806	-.00364	.41545	.10090	4.11737	2.49906	2.48279
.701	9.635	.48814	.03341	-.00464	.47566	.11464	4.14924	2.45908	2.47278
.702	10.706	.53468	.03462	-.00392	.51895	.13335	3.89159	2.33912	2.43274
.701	11.736	.57374	.04012	-.00384	.55358	.15598	3.54904	2.44908	2.47278
.702	12.815	.62935	.04282	-.00734	.60417	.18134	3.33168	2.44908	2.45276
.701	13.889	.69103	.04249	-.01130	.66062	.20713	3.18943	2.46907	2.49280
.701	14.965	.75841	.04017	-.01307	.72231	.23465	3.07825	2.46907	2.45276
.701	17.140	.90952	.04178	-.02961	.85682	.30796	2.78221	2.44908	2.44275
.701	19.302	1.02615	.04235	-.02899	.95448	.37915	2.51738	2.42909	2.49280
GRADIENT	.04941	-.00051	-.00051	-.00120	.04821	-.00029	.65208	.00190	-.00234

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 39/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-3.764	-.21995	.06798	.02132	-.21501	.08227	-2.61343	2.49906	2.52284
.800	-2.123	-.13902	.06986	.01853	-.13633	.07197	-1.81859	2.50906	2.52284
.800	-1.055	-.08282	.07099	.01671	-.08148	.07252	-1.12362	2.50906	2.52284
.800	-.057	-.03387	.07130	.01522	-.03380	.07133	-.47384	2.52905	2.50282
.799	1.097	.02635	.07068	.01349	.02499	.07117	.35116	2.49906	2.51283
.800	2.211	.08683	.06906	.01161	.08410	.07236	1.16227	2.50906	2.48279
.799	3.264	.14030	.06673	.00916	.13628	.07461	1.82653	2.49906	2.49280
.800	4.344	.19824	.06363	.00671	.19285	.07847	2.45766	2.48907	2.48279
.800	5.376	.25816	.06022	.00349	.25138	.08414	2.98763	2.49906	2.47278
.799	6.512	.32251	.05719	-.00081	.31394	.09340	3.36129	2.49906	2.46277
.799	7.535	.37445	.05621	-.00205	.36385	.10482	3.47110	2.49906	2.46277
.800	8.603	.42837	.05539	-.00242	.41526	.11884	3.49436	2.47907	2.50282
.799	9.679	.47423	.05468	-.00107	.45829	.13364	3.42939	2.48907	2.50282
.799	10.720	.52208	.05467	.00091	.50280	.15082	3.33377	2.48907	2.48279
.799	11.823	.57395	.05625	.00019	.55025	.17265	3.18702	2.46907	2.45276
.799	12.906	.62851	.05649	-.00288	.60001	.19545	3.06992	2.47907	2.50282
.800	14.155	.70367	.05974	-.01026	.66769	.23000	2.90295	2.48907	2.46277
.799	15.134	.77622	.06038	-.01933	.73353	.26094	2.81106	2.48907	2.51283
.799	17.325	.90810	.06277	-.03278	.84820	.33035	2.56760	2.49906	2.44275
.799	19.455	1.00463	.06544	-.03091	.92547	.39632	2.33517	2.44908	2.48279
GRADIENT		.05166	-.00053	-.00175	.05040	-.00037	.64700	-.00148	-.00564

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 48/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.677	-.14687	.06468	-.01080	-.14242	.07397	-1.92540	4.99813	4.99562
.601	-2.094	-.07383	.06857	-.01163	-.07127	.07122	-1.00077	4.99813	4.97560
.601	-1.049	-.02520	.06991	-.01221	-.02391	.07036	-.33986	4.99813	4.98561
.601	.009	.02637	.07012	-.01289	.02635	.07012	.37585	4.99813	5.00563
.601	1.076	.07682	.06945	-.01402	.07550	.07088	1.06513	4.97813	5.00563
.601	2.145	.12940	.06762	-.01527	.12677	.07241	1.75070	4.97813	4.98561
.600	3.209	.17810	.06507	-.01639	.17418	.07494	2.32435	4.99813	5.00563
.601	4.251	.23200	.06130	-.01730	.22682	.07832	2.89586	4.99813	4.99562
.601	5.309	.28305	.05662	-.01832	.27660	.08257	3.35011	4.99813	4.99562
.601	6.371	.33813	.05101	-.02020	.33039	.08821	3.74531	4.98813	4.98561
.601	7.435	.39461	.04452	-.02167	.38553	.09520	4.04948	4.97813	4.97560
.601	8.495	.44897	.03801	-.02324	.43842	.10392	4.21901	4.96814	4.97560
.601	9.543	.50735	.03085	-.02328	.49521	.11454	4.32353	4.97813	4.97560
.601	10.642	.56688	.02358	-.02294	.55277	.12786	4.32316	4.96814	4.98561
.601	11.677	.62324	.01758	-.02326	.60679	.14336	4.23265	4.89816	4.96559
.601	12.753	.68435	.01911	-.02773	.66325	.16970	3.90837	4.83819	4.85546
.601	13.825	.74178	.02227	-.03101	.71497	.19888	3.59500	5.00812	4.99562
.601	14.903	.80630	.02353	-.03612	.77313	.23010	3.35990	4.98813	4.97560
.601	17.028	.93664	.03050	-.04927	.88665	.30344	2.92196	4.97813	5.02565
.601	19.181	1.05712	.03380	-.05323	.98733	.37925	2.60340	4.92815	4.85546
.601	GRADIENT	.04774	-.00048	-.00085	.04652	.00057	.61872	-.00058	.00154

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 41/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.675	-.16276	.06603	-.00487	-.15820	.07633	-2.07259	4.97813	5.00563
.701	-2.128	-.08644	.06923	-.00648	-.08381	.07240	-1.15760	4.98813	5.01564
.701	-1.060	-.03292	.07054	-.00733	-.03161	.07114	-.44438	4.98813	4.99532
.700	-.010	.01423	.07079	-.00834	.01425	.07078	.20128	4.97813	5.01364
.701	1.065	.06597	.07013	-.00983	.06466	.07134	.90634	4.97813	4.99562
.700	2.144	.12031	.06835	-.01110	.11766	.07280	1.61622	4.95814	4.99562
.701	3.215	.17587	.06553	-.01264	.17192	.07529	2.28355	4.98813	5.00563
.700	4.293	.22979	.06182	-.01405	.22452	.07885	2.84761	4.99813	5.00563
.701	5.341	.28322	.05744	-.01571	.27664	.08355	3.31104	4.97813	4.98561
.701	6.417	.34258	.05179	-.01764	.33465	.08976	3.72834	4.96814	4.99562
.700	7.491	.40192	.04583	-.02025	.39252	.09783	4.01205	4.99813	4.97560
.700	8.576	.46143	.04000	-.02184	.45031	.10836	4.15575	4.99813	4.98561
.701	9.658	.52448	.03563	-.02305	.51106	.12312	4.15086	4.98813	4.98561
.700	10.726	.57704	.03567	-.02324	.56032	.14244	3.93381	4.99813	4.95558
.701	11.745	.60668	.04337	-.02224	.58515	.16596	3.52589	4.98813	5.01564
.700	12.826	.66470	.04343	-.02496	.63847	.18990	3.36204	4.96814	5.00563
.700	13.916	.73037	.04383	-.02895	.69839	.21820	3.20063	4.96814	4.98561
.700	14.991	.79962	.04166	-.03236	.76163	.24707	3.08264	4.99813	5.02565
.700	17.171	.94614	.04484	-.04897	.89073	.32216	2.78484	4.27813	5.00563
.700	19.320	1.06032	.04455	-.04769	.98586	.39285	2.50951	4.98813	4.98561
.700	GRADIENT	.04905	-.00056	-.00115	.04782	.00037	.62804	.00056	-.00074

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 34/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.740	-.18209	.06999	-.00057	-.17714	.08172	-2.16752	4.98813	5.07571
.800	-2.175	-.10592	.07170	-.00281	-.10312	.07567	-1.36288	4.98813	5.06570
.800	-1.042	-.04711	.07284	-.00402	-.04578	.07369	-.62119	5.01812	5.00563
.800	-.024	.00912	.07332	-.00551	.00915	.07331	.12483	4.99813	4.99562
.799	1.112	.06428	.07259	-.00740	.06286	.07382	.85143	5.00812	4.98561
.800	2.147	.11780	.07118	-.00904	.11505	.07554	1.52304	4.99813	4.99552
.799	3.281	.17907	.06881	-.01213	.17484	.07894	2.21479	5.00812	4.99562
.800	4.337	.24164	.06556	-.01499	.23599	.08365	2.82118	5.00812	4.98561
.800	5.425	.29935	.06244	-.01828	.29210	.09047	3.22890	5.02811	4.97560
.799	6.542	.36347	.05940	-.02216	.35433	.10042	3.52859	4.99813	4.95558
.799	7.561	.41267	.05841	-.02290	.40140	.11220	3.57761	5.00812	4.94556
.799	8.623	.46261	.05777	-.02277	.44672	.12647	3.54803	5.01812	4.94556
.799	9.718	.51375	.05730	-.02134	.49670	.14319	3.46885	4.98813	4.94556
.799	10.825	.55964	.05762	-.01991	.53886	.16170	3.33253	4.98813	4.98561
.799	11.879	.61292	.05919	-.02123	.58760	.18409	3.19192	4.98813	4.92554
.799	12.942	.67375	.05975	-.02438	.64325	.20912	3.07595	4.90816	4.92554
.799	14.016	.73936	.06244	-.03154	.70222	.23965	2.93015	4.94814	4.90552
.799	15.134	.81852	.06362	-.04279	.77353	.27511	2.81171	4.92815	4.98561
.798	17.255	.94581	.06631	-.05625	.88357	.34388	2.56944	4.94814	4.98561
.798	19.441	1.03807	.06932	-.05317	.95582	.41087	2.32632	4.95814	4.93555
GRADIENT		.05223	-.00051	-.00173	.05093	.00032	.63356	.00208	-.01097

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 28/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.802	-.23662	.08402	.01807	-.23053	.09952	-2.31642	4.96814	5.02565
.900	-2.224	-.14081	.08505	.01087	-.13740	.09045	-1.51904	4.93815	5.04568
.900	-1.107	-.07255	.08582	.00515	-.07088	.08721	-.81274	5.04811	5.04568
.899	-.004	-.00758	.08595	.00008	-.00757	.08595	-.08809	5.01812	5.04568
.899	1.091	.05857	.08573	-.00536	.05693	.08683	.65559	5.01812	5.03567
.899	2.222	.12262	.08525	-.01042	.11922	.08994	1.32554	5.03811	5.03567
.900	3.263	.18461	.08474	-.01445	.17949	.09511	1.88707	5.03811	5.04568
.899	4.324	.23826	.08386	-.01551	.23126	.10159	2.27647	5.01812	5.02565
.899	5.390	.29423	.08360	-.01654	.28508	.11086	2.57148	5.01812	5.01564
.899	6.545	.35279	.08253	-.02017	.34108	.12220	2.79120	5.01812	4.99562
.898	7.594	.40593	.08257	-.02193	.39146	.13549	2.88916	4.97813	4.97560
.900	8.674	.45885	.08327	-.02402	.44104	.15152	2.91080	4.95814	4.96559
.898	9.704	.51482	.08224	-.02806	.49359	.16784	2.94087	4.98813	4.95558
.900	10.772	.56459	.08350	-.03170	.54296	.18831	2.88341	4.95814	4.77537
.899	11.885	.63227	.08680	-.04190	.60084	.21515	2.79270	4.87817	5.13578
.899	12.993	.69556	.08864	-.04881	.65783	.24275	2.70984	4.96814	5.03557
.899	14.077	.76148	.08889	-.05379	.71699	.27143	2.64150	4.93815	4.99562
.899	15.178	.82710	.08990	-.06093	.77471	.30332	2.55414	4.94814	4.95558
.899	17.369	.95328	.09093	-.07069	.88267	.37136	2.37687	4.94814	4.97560
.899	19.524	1.05276	.09156	-.06993	.96163	.43813	2.19487	4.99813	5.01564
GRADIENT		.05878	-.00004	-.00435	.05719	.00039	.59056	.00870	-.00028

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 24/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.823	-.25688	.09355	.02978	-.25007	.11047	-2.26376	4.99813	5.02565
.921	-2.214	-.15327	.09492	.02042	-.14942	.10077	-1.48279	5.00812	5.06570
.921	-1.130	-.08541	.09549	.01239	-.08351	.09716	-.85957	5.02811	5.06570
.921	-.029	-.01362	.09526	.00398	-.01357	.09526	-.14248	5.02811	5.08572
.921	1.075	.05329	.09501	-.00362	.05150	.09599	.53649	5.03811	5.08572
.921	2.158	.11998	.09514	-.01128	.11631	.09960	1.16785	5.03811	5.07571
.921	3.141	.17834	.09438	-.01726	.17290	.10401	1.66242	5.03811	5.06570
.921	4.368	.25148	.09317	-.02283	.24365	.11205	2.17441	5.02811	5.06570
.921	5.443	.30624	.09270	-.02426	.29607	.12133	2.44015	5.01812	5.06570
.920	6.531	.36634	.09089	-.02835	.35362	.13197	2.67960	5.02811	5.04568
.920	7.613	.41903	.09063	-.02350	.40333	.14535	2.77495	5.02811	5.03567
.920	8.693	.47165	.09125	-.03051	.45244	.16149	2.80164	5.01812	4.98561
.921	9.788	.54042	.09218	-.04036	.51688	.18271	2.82898	5.07810	4.98561
.921	10.856	.59577	.09339	-.04555	.56752	.20393	2.78288	5.07810	5.05569
.921	11.936	.65319	.09545	-.05287	.61932	.22848	2.71065	5.03811	4.98561
.920	13.012	.71461	.09663	-.05910	.67450	.25504	2.64469	4.92815	5.02565
.921	14.126	.78072	.09793	-.06660	.73321	.28550	2.56813	4.94814	5.01564
.920	15.213	.84205	.09767	-.07167	.78692	.31520	2.49658	4.90816	4.94556
.921	17.410	.98283	.09949	-.08878	.90804	.38901	2.33425	5.12808	4.98561
.920	19.560	1.08288	.09884	-.08650	.98730	.45568	2.16664	5.03811	4.96559
GRADIENT	.06208	-.00006	-.00668	.06032	.00028	.56275	.00429	.00354	

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 20/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.873	-.27271	.11308	.04682	-.26445	.13124	-2.01500	5.00812	4.98561
.951	-2.207	-.15731	.11274	.02752	-.15285	.11872	-1.28754	5.02811	5.00563
.950	-1.131	-.08885	.11253	.01823	-.08661	.11426	-.75795	5.01812	5.00563
.950	-.033	-.01917	.11225	.00911	-.01910	.11227	-.17016	5.00812	5.00563
.950	1.075	.05184	.11107	-.00126	.04975	.11202	.44413	4.98813	5.00563
.950	2.160	.11959	.11086	-.01048	.11533	.11528	1.00037	4.96814	5.00563
.950	3.257	.18903	.11009	-.02014	.18247	.12066	1.51229	4.98813	5.00563
.950	4.379	.26316	.10886	-.03101	.25408	.12864	1.97512	4.94814	5.00563
.950	5.453	.32852	.10731	-.03815	.31683	.13805	2.29508	4.92815	4.99562
.950	6.551	.38803	.10528	-.04367	.37349	.14886	2.50896	4.97813	4.97560
.950	7.648	.45206	.10393	-.04733	.43421	.16317	2.66101	4.92815	4.95558
.950	8.727	.51164	.10340	-.05149	.49003	.17984	2.72482	5.05810	4.97560
.950	9.811	.56892	.10388	-.05677	.54290	.19931	2.72393	4.97813	5.00563
.950	10.911	.63094	.10412	-.06297	.59983	.22166	2.70604	5.00812	4.98561
.950	12.004	.69730	.10565	-.07141	.66008	.24837	2.65765	5.03811	4.98561
.950	13.092	.75850	.10710	-.07845	.71452	.27612	2.58771	5.00812	5.00563
.950	14.177	.82328	.10764	-.08375	.77184	.30600	2.52232	4.95814	4.99562
.952	15.277	.89094	.10945	-.09077	.83062	.34034	2.44059	5.00812	4.99562
.950	17.480	1.01432	.10944	-.09950	.93461	.40907	2.28472	4.98813	4.96559
.950	19.654	1.13268	.11056	-.10251	1.02951	.48509	2.12231	4.95814	5.00563
.950	GRADIENT	.06437	-.00050	-.00918	.06231	-.00017	.49723	-.00801	.00157

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 16/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.939	-.27136	.13489	.05505	-.26146	.15321	-1.70649	5.00750	5.00438
.981	-2.226	-.15976	.13410	.03574	-.15444	.14020	-1.10153	5.00750	5.01439
.981	-1.130	-.08493	.13376	.02486	-.08227	.13541	-.60756	5.02749	5.00438
.980	-.025	-.01203	.13340	.01594	-.01797	.13341	-.13473	5.02749	5.01439
.981	1.067	.05427	.13355	.00554	.05177	.13454	.38482	5.00750	4.99437
.980	2.173	.12226	.13329	-.00446	.11712	.13783	.84972	5.01749	4.99437
.980	3.279	.19767	.13267	-.01549	.18975	.14376	1.31994	5.00750	5.02440
.980	4.380	.26982	.13249	-.02688	.25892	.15271	1.69551	4.98751	4.98436
.980	5.474	.33684	.13161	-.03690	.32275	.16314	1.97837	4.99750	4.95434
.980	6.582	.40431	.13044	-.04487	.38670	.17592	2.19812	5.00750	4.96434
.980	7.665	.46782	.13007	-.05175	.44629	.19131	2.33285	5.00750	5.02440
.980	8.768	.53286	.12932	-.06000	.50692	.20904	2.42301	4.97751	4.98436
.980	9.864	.59675	.13048	-.06613	.56558	.23077	2.45079	4.98751	4.98436
.980	10.947	.66042	.13135	-.07284	.62345	.25437	2.45095	4.96752	4.97435
.980	12.040	.72478	.13282	-.07980	.68113	.28109	2.42321	4.96752	4.96434
.980	13.133	.78807	.13424	-.08669	.73696	.30979	2.37892	4.95752	4.96434
.980	14.231	.85286	.13489	-.09183	.79352	.34041	2.33108	4.95752	4.98436
.980	15.329	.91856	.13388	-.09768	.85049	.37195	2.28656	4.97751	5.00438
.981	17.536	1.04979	.13546	-.10994	.96019	.44548	2.15543	4.96752	4.99437
.980	19.698	1.17023	.13379	-.11884	1.05665	.52040	2.03046	4.96752	4.98436
GRADIENT		.06480	-.00026	-.00961	.06234	.00010	.42118	-.00183	-.00138

RUN NO. 11/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-4.017	-.27052	.14812	.06693	-.25948	.16671	-1.55651	5.02749	5.04441
1.121	-2.220	-.15506	.14715	.04540	-.14925	.15304	-.97519	5.01749	5.02440
1.120	-.009	-.00414	.14765	.01303	-.00412	.14765	-.02789	5.02749	5.05442
1.120	2.195	.14074	.15073	-.01654	.13486	.15601	.86444	5.04748	4.98436
1.120	4.398	.27931	.15213	-.04067	.26682	.17310	1.54143	4.99750	4.96434
1.120	6.602	.40760	.15114	-.05976	.38752	.19701	1.96707	4.95752	4.95434
1.120	8.782	.52746	.14739	-.07247	.49878	.22619	2.20517	5.01749	5.00438
1.121	10.988	.65288	.14348	-.08144	.61356	.26529	2.31282	4.96752	4.97435
1.121	13.180	.77574	.14407	-.08971	.72246	.31715	2.27797	5.02749	4.99437
1.120	15.407	.91479	.14452	-.10602	.84352	.38236	2.20610	4.98751	4.96434
1.120	17.603	1.03917	.14697	-.11876	.94606	.45436	2.08219	4.95752	4.98436
1.120	19.783	1.14797	.14439	-.12553	1.03135	.52441	1.96671	4.98751	4.99437
GRADIENT		.06568	.00056	-.01305	.06292	.00083	.37842	-.00143	-.00950

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3008) (16 SEP 75)

REFERENCE DATA

SREF ■ 2690.0000 SQ.FT. XMRP ■ 1076.7000 IN. XO
 LREF ■ 474.8000 INCHES YMRP ■ .0000 IN. YO
 BREF ■ 936.6800 INCHES ZMRP ■ 375.0000 IN. ZO
 SCALE ■ .0150

PARAMETRIC DATA

BETA ■ .000 SPOBRK ■ 25.000
 RUDDER ■ .000 BDFLAP ■ .000
 ELEVON ■ 5.000 AILRON ■ .000

RUN NO. 4/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.840	-.24034	.15561	.06453	-.22938	.17136	-1.33356	5.01749	5.05442
1.200	-2.209	-.13291	.15631	.03957	-.12678	.16131	-.78595	4.99750	5.04441
1.201	-1.103	-.06571	.15625	.02415	-.06269	.15749	-.39807	4.94753	5.01439
1.201	.007	.00485	.15633	.00832	.00483	.15633	.03092	5.00750	4.98436
1.201	1.082	.07029	.15556	-.00551	.06734	.15686	.42930	5.02749	5.01439
1.201	2.193	.13829	.15512	-.01877	.13226	.16029	.82510	4.99750	5.06443
1.201	3.287	.20147	.15558	-.03070	.19222	.16687	1.15188	5.00750	5.02440
1.201	4.381	.26421	.15596	-.04184	.25162	.17570	1.43212	4.98751	4.97435
1.201	5.482	.33143	.15611	-.05376	.31500	.18706	1.68391	5.00750	4.97435
1.200	6.581	.39667	.15574	-.06498	.37621	.20018	1.87934	5.01749	5.03441
1.200	7.688	.45735	.15458	-.07242	.43255	.21437	2.01777	4.98751	5.01439
1.200	8.767	.51830	.15286	-.07904	.48894	.23008	2.12514	5.00750	5.03441
1.199	9.872	.58153	.15144	-.08497	.54695	.24890	2.19747	4.93753	4.99437
1.200	10.977	.64220	.14894	-.08835	.60209	.26850	2.24244	4.97751	4.98436
1.201	12.091	.70470	.14800	-.09374	.65807	.29233	2.25112	4.95752	5.00438
1.201	13.198	.76998	.14750	-.09998	.71596	.31941	2.24151	4.99750	5.01439
1.200	14.297	.82914	.14845	-.10473	.76680	.34861	2.19961	4.97751	4.98436
1.200	15.403	.89497	.14970	-.11229	.82307	.38203	2.15444	4.97751	4.95434
1.200	17.591	1.01577	.14994	-.12460	.92295	.44991	2.05144	4.95752	5.03441
1.201	19.776	1.12036	.15015	-.12713	1.00348	.52036	1.92843	4.96752	5.00438
	GRADIENT	.06134	-.00005	-.01294	.05850	.00059	.34554	-.00009	-.00512

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YC
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 49/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.594	-.07696	.07267	-.04431	-.07226	.07735	-.93416	10.01624	10.01126
.601	-2.047	-.00825	.07608	-.04557	-.00553	.07633	-.07245	10.00625	10.02127
.601	-.999	.04293	.07745	-.04608	.04427	.07669	.57729	10.00625	10.00125
.601	.044	.08951	.07768	-.04699	.08945	.07775	1.15040	10.00625	10.02127
.601	1.101	.14097	.07682	-.04825	.13947	.07951	1.75402	9.99625	10.01126
.601	2.159	.19237	.07497	-.04926	.18940	.08217	2.30508	9.99625	10.00125
.601	3.226	.24294	.07230	-.05052	.23848	.08585	2.77780	10.00625	10.00125
.601	4.278	.29736	.06859	-.05208	.29142	.09058	3.21727	10.00625	10.00125
.601	5.348	.35138	.06393	-.05389	.34389	.09640	3.56732	10.00625	9.98123
.601	6.436	.41323	.05781	-.05771	.40415	.10376	3.89493	10.00625	10.02127
.601	7.467	.47029	.05190	-.06141	.45956	.11257	4.08229	9.99625	9.99124
.601	8.545	.53199	.04517	-.06496	.51937	.12371	4.19826	10.00625	9.99124
.601	9.616	.59649	.03831	-.06886	.58173	.13731	4.23660	10.00625	9.99124
.601	10.695	.65823	.03186	-.07082	.64089	.15345	4.17639	9.98626	10.03129
.601	11.749	.72497	.02609	-.07375	.70447	.17317	4.06800	9.98626	10.00125
.601	12.831	.79111	.02421	-.07753	.76598	.19929	3.84345	9.98626	9.96121
.601	13.890	.84616	.02937	-.08071	.81437	.23164	3.51561	9.98626	9.98123
.601	14.940	.90258	.03254	-.08502	.86368	.26414	3.26981	9.96626	10.01126
.601	17.082	1.02603	.04181	-.09470	.96848	.34135	2.83720	9.95627	9.97122
.601	19.211	1.14461	.04437	-.09851	1.06627	.41854	2.54763	9.98626	10.01126
.601	GRADIENT	.04753	-.00057	-.00097	.04618	.00169	.53443	-.00125	-.00191

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 42/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.711	-.10546	.07294	-.03714	-.10052	.07962	-1.26255	10.00625	10.02127
.701	-2.081	-.02648	.07642	-.03853	-.02368	.07733	-.30626	9.99625	10.03129
.701	.993	.02705	.07774	-.03954	.02839	.07726	.36746	9.99625	10.00125
.700	.062	.07834	.07793	-.04096	.07826	.07802	1.00313	9.99625	9.97122
.700	1.103	.12688	.07713	-.04240	.12538	.07956	1.57582	9.98626	10.01126
.700	2.180	.17994	.07538	-.04407	.17695	.08217	2.15350	9.99625	10.01126
.700	3.238	.23417	.07288	-.04627	.22968	.08599	2.67097	9.97626	10.00125
.701	4.334	.29376	.06905	-.04804	.26770	.09106	3.15954	9.99625	10.01126
.701	5.382	.34822	.06458	-.05060	.34062	.09696	3.51306	9.99625	10.02127
.701	6.458	.41063	.05920	-.05487	.40137	.10501	3.92214	9.98626	10.00125
.700	7.548	.47676	.05356	-.06056	.46559	.11572	4.02349	9.99625	9.98123
.701	8.632	.54628	.04815	-.06615	.53287	.12959	4.11191	9.99625	9.99124
.701	9.717	.61584	.04415	-.07126	.59955	.14745	4.06602	9.96626	10.01126
.700	10.775	.66982	.04399	-.07265	.64978	.16843	3.85791	9.97626	9.97122
.701	11.823	.70383	.04905	-.06919	.67885	.19202	3.53169	9.95627	10.01126
.701	12.893	.75928	.04979	-.07134	.72903	.21795	3.34491	9.99625	9.97122
.700	13.977	.82162	.05143	-.07444	.78488	.24835	3.16031	9.98626	9.98123
.701	15.061	.88864	.05262	-.07918	.84444	.28172	2.99743	9.99625	10.02127
.701	17.216	1.03184	.05600	-.09473	.96903	.35889	2.70007	9.98626	10.02127
.701	19.365	1.14471	.05590	-.09254	1.06141	.43231	2.45519	9.97626	10.02127
GRADIENT		.04925	-.00052	-.00138	.04788	.00145	.55483	-.00196	-.00169

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 35/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-3.705	-.13157	.07694	-.02749	-.12632	.08528	-1.48126	9.98626	10.02127
.800	-2.052	-.04867	.07920	-.03137	-.04580	.08089	-.56617	9.98626	10.01126
.799	-.997	.00622	.08030	-.03338	.00762	.08018	.09502	10.00625	10.01126
.801	.036	.05907	.08075	-.03568	.05902	.08079	.73061	9.98626	10.03129
.800	1.087	.11893	.08017	-.03874	.11739	.08241	1.42438	9.98626	10.02127
.800	2.229	.17956	.07875	-.04217	.17636	.08567	2.05851	9.98626	10.02127
.799	3.281	.23952	.07661	-.04582	.23475	.09019	2.60268	9.99625	10.02127
.799	4.351	.30012	.07388	-.05042	.29365	.09643	3.04516	9.98626	9.98123
.800	5.432	.36878	.07058	-.05656	.36044	.10517	3.42733	9.98626	9.99124
.800	6.573	.43896	.06776	-.06340	.42832	.11756	3.64331	9.99625	9.93117
.798	7.722	.49817	.06599	-.06686	.48478	.13234	3.66329	9.97626	9.95120
.800	8.675	.55037	.06625	-.06940	.53408	.14850	3.59652	9.96626	9.97122
.799	9.796	.60095	.06622	-.06985	.58092	.16750	3.46826	9.93627	9.92116
.800	10.845	.64780	.06694	-.06835	.62363	.18763	3.32366	9.79633	9.92116
.799	11.886	.70044	.06908	-.07073	.67119	.21187	3.16795	9.95627	9.95120
.799	12.989	.76080	.06982	-.07412	.72564	.23903	3.03582	9.94627	9.98123
.800	14.086	.83028	.07325	-.08246	.78749	.27312	2.88331	9.94627	10.00125
.799	15.195	.91157	.07466	-.09411	.86013	.31097	2.76595	9.98626	9.99124
.799	17.394	1.03318	.07866	-.10511	.96243	.38391	2.50690	9.97626	9.99124
.799	19.515	1.11516	.08125	-.09540	1.02395	.44911	2.27998	9.93627	9.97122
GRADIENT		.05371	-.00039	-.00278	.05227	.00146	.57715	-.00006	-.00222

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2599.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 29/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.778	-.20497	.08955	.00153	-.19862	.10285	-1.93110	9.96626	10.02127
.900	-2.177	-.10496	.09073	-.00814	-.10144	.09466	-1.07162	9.99625	10.04130
.900	-1.095	-.04076	.09146	-.01285	-.03900	.09222	-.42294	10.00625	10.01126
.899	.039	.02588	.09160	-.01908	.02581	.09162	.28174	9.99625	10.00125
.899	1.081	.09261	.09204	-.02704	.09086	.09378	.96892	10.00625	9.98123
.899	2.201	.16692	.09238	-.03739	.16325	.09872	1.65356	9.98626	9.97122
.899	3.329	.23990	.09171	-.04730	.23417	.10548	2.21998	9.98626	10.03129
.899	4.435	.30884	.09124	-.05466	.30086	.11485	2.61951	9.97626	9.97122
.899	5.474	.36473	.09128	-.06007	.35436	.12565	2.82014	9.98626	10.00125
.898	6.585	.43350	.09159	-.06979	.42014	.14070	2.98600	9.98626	9.99124
.899	7.624	.48831	.09268	-.07444	.47170	.15664	3.01126	9.96626	10.02127
.899	8.822	.55570	.09298	-.07830	.53486	.17711	3.01999	9.98626	9.98123
.899	10.877	.67276	.09447	-.08976	.64285	.21972	2.92575	9.97626	10.02127
.899	11.969	.72760	.09733	-.09753	.69159	.24611	2.81013	9.97626	9.98123
.899	13.061	.78802	.09942	-.10503	.74517	.27493	2.71038	10.03624	9.99124
.899	14.153	.85220	.10103	-.11067	.80163	.30634	2.61677	10.02624	10.00125
.899	15.250	.92118	.10245	-.11707	.86180	.34114	2.52621	9.99625	9.96121
.900	16.372	.98717	.10469	-.12461	.91764	.37870	2.42312	10.00625	9.98123
.898	17.380	1.03244	.10475	-.12392	.95401	.40837	2.33614	9.95627	10.01126
.899	19.560	1.12968	.10477	-.11855	1.02941	.47693	2.15841	9.97626	10.02127
GRADIENT		.06262	.00021	-.00697	.06091	.00158	.57550	-.00010	-.00555

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 25/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.804	-.22857	.09855	.01353	-.22153	.11349	-1.95188	10.07622	10.11138
.921	-2.202	-.11663	.10012	-.00298	-.11270	.10453	-1.07819	10.07622	10.12139
.921	-1.105	-.04501	.10059	-.01320	-.04306	.10144	-.42452	10.09621	10.13140
.921	.004	.02687	.10125	-.02288	.02686	.10125	.26529	10.08622	10.09135
.921	1.093	.10086	.10195	-.03444	.09290	.10386	.95226	10.09621	10.09135
.920	2.190	.17296	.10199	-.04501	.16894	.10852	1.55670	10.04623	10.08134
.920	3.300	.24664	.10149	-.05561	.24039	.11552	2.08091	10.00625	10.05131
.921	4.401	.32053	.10133	-.06646	.31181	.12563	2.48199	9.95627	10.00125
.921	5.480	.38270	.10133	-.07269	.37128	.13741	2.70195	9.84631	9.96121
.921	6.577	.44236	.10094	-.07675	.42789	.15094	2.83478	9.81632	9.81104
.921	7.668	.50558	.10137	-.08249	.48754	.16793	2.90325	10.03624	10.02127
.921	8.751	.56459	.10177	-.08913	.54253	.18648	2.90933	10.02624	9.96121
.921	9.831	.62757	.10218	-.09543	.60090	.20783	2.89127	10.06623	10.00125
.920	10.913	.68572	.10342	-.10108	.65373	.23137	2.82550	10.04623	10.00125
.920	12.008	.74522	.10486	-.10719	.70710	.25760	2.74499	9.93627	9.96121
.921	13.092	.80635	.10599	-.11504	.76115	.28687	2.65332	9.98626	10.02127
.920	14.174	.87021	.10732	-.12025	.81729	.31772	2.57234	9.98626	9.98123
.920	15.263	.93330	.10902	-.12649	.87168	.35087	2.48432	9.95627	9.99124
.920	17.451	1.05715	.11168	-.13813	.97500	.42357	2.30188	10.01624	10.00125
.920	19.587	1.15205	.11275	-.13280	1.04758	.49244	2.12735	10.04623	10.02127
.920	GRADIENT	.06662	.00033	-.00970	.06473	.00160	.55777	-.01352	-.01298

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 44

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 21/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.837	-.21988	.12196	.00904	-.21122	.13640	-1.54860	10.01624	10.02127
.950	-2.207	-.10789	.12133	-.01081	-.10314	.12540	-.82248	9.99625	10.06132
.951	-1.093	-.03129	.12170	-.02294	-.02896	.12228	-.23684	10.00625	10.04130
.950	.003	.03818	.12158	-.03312	.03817	.12158	.31397	10.02624	10.06132
.950	1.105	.11280	.12167	-.04484	.11044	.12382	.89190	9.99625	10.05131
.950	2.192	.18375	.12101	-.05637	.17899	.12795	1.39892	10.01624	10.03129
.950	3.305	.25975	.12003	-.06849	.25240	.13481	1.87231	10.00625	10.01126
.950	4.405	.33362	.11894	-.08097	.32350	.14421	2.24330	10.03624	9.96121
.950	5.498	.40984	.11818	-.09352	.39664	.15690	2.52790	9.99625	10.01126
.950	6.603	.47495	.11609	-.10023	.45845	.16994	2.69776	9.97626	9.96121
.950	7.693	.53500	.11486	-.10438	.51481	.18544	2.77614	9.98626	9.97122
.950	8.789	.60146	.11416	-.11126	.57695	.20472	2.81830	9.97626	10.06132
.950	9.876	.65963	.11317	-.11534	.63034	.22523	2.79864	10.04623	9.98123
.950	10.985	.72758	.11449	-.12192	.69243	.25103	2.75836	10.04623	10.03129
.950	12.062	.78786	.11567	-.12830	.74629	.27775	2.68696	10.02624	10.04130
.950	13.139	.84827	.11746	-.13444	.79936	.30721	2.60202	9.94627	9.96121
.950	14.246	.91486	.12044	-.14214	.85709	.34187	2.50703	10.01624	9.97122
.952	15.339	.97573	.12147	-.14535	.90884	.37525	2.42196	9.97626	10.04130
.950	17.514	1.08892	.12213	-.14810	1.00169	.44417	2.25520	9.86630	9.97122
.950	19.682	1.19976	.12518	-.14784	1.08750	.52195	2.08355	9.97626	9.95120
.950	GRADIENT	.06688	-.00030	-.01072	.06464	.00114	.47313	.00186	-.00700

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 17/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.927	-.21693	.14554	.01214	-.20646	.16005	-1.28991	9.98501	10.02878
.980	-2.188	-.09866	.14407	-.00977	-.09308	.14773	-.63010	9.97501	10.02878
.980	-1.092	-.02312	.14375	-.02125	-.02037	.14416	-.14131	9.99500	10.04879
.980	.006	.04648	.14392	-.03150	.04646	.14392	.32283	9.98501	10.02878
.980	1.109	.12008	.14374	-.0428P	.11727	.14603	.80306	9.99500	10.02878
.980	2.207	.19108	.14353	-.05411	.12541	.15079	1.22964	9.98501	10.01877
.980	3.311	.26592	.14246	-.06621	.25725	.15758	1.63247	9.98501	10.00876
.980	4.411	.33835	.14181	-.07815	.32644	.16742	1.94998	10.02499	9.97873
.980	5.525	.41536	.14168	-.09197	.39979	.18102	2.20857	9.96502	9.96872
.980	6.611	.48353	.14092	-.10210	.46409	.19565	2.37204	9.97501	10.04879
.980	7.710	.55214	.13942	-.11043	.52844	.21224	2.48982	9.98501	10.01877
.980	8.816	.61724	.13954	-.11734	.58856	.23249	2.53153	10.00500	9.99875
.980	9.904	.68380	.13944	-.12468	.64963	.25497	2.54784	10.02499	9.96872
.980	11.008	.74662	.14083	-.12987	.70599	.28080	2.51421	9.98501	10.04879
.979	12.087	.80717	.14167	-.13562	.75961	.30755	2.46985	9.93503	9.96872
.980	13.190	.87545	.14556	-.14173	.81914	.34148	2.39875	10.04498	9.99875
.981	14.276	.93985	.14636	-.14809	.87473	.37360	2.34137	10.03498	10.02878
.980	15.382	1.00269	.14518	-.15183	.92827	.40594	2.28668	9.97501	9.97873
.982	17.561	1.12303	.14931	-.15984	1.02564	.48120	2.13142	9.95502	10.05880
.979	19.744	1.23478	.14752	-.16187	1.11236	.55597	2.00075	10.00500	9.98874
GRADIENT		.06637	-.00037	-.01060	.06373	.00112	.39856	.00311	-.00539

RUN NO. 12/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-3.962	-.21787	.15943	.02786	-.20633	.17410	-1.18514	10.01499	10.01877
1.121	-2.194	-.10080	.15879	.00522	-.09464	.16253	-.58231	10.00500	10.00876
1.120	.022	.05346	.15802	-.02819	.05340	.15804	.33787	9.99500	10.04879
1.121	2.219	.19430	.15971	-.05830	.18797	.16712	1.12479	10.01499	9.99875
1.121	4.423	.33599	.16156	-.08471	.32253	.18699	1.72483	10.02499	9.95871
1.121	6.611	.47097	.16144	-.10856	.44925	.21459	2.09354	9.95502	9.97873
1.122	8.815	.59970	.15732	-.12285	.56851	.24736	2.29835	9.98501	10.03878
1.121	11.026	.72159	.15218	-.13051	.67917	.28737	2.36338	9.99500	10.03878
1.121	13.236	.84886	.15268	-.13838	.79136	.34298	2.30732	9.97501	9.97873
1.120	15.453	.98788	.15402	-.15474	.91113	.41167	2.21327	10.01499	10.03878
1.120	17.644	1.10405	.15511	-.16161	1.00510	.48245	2.08331	9.97501	10.02878
1.120	19.825	1.21236	.15300	-.16652	1.08861	.55511	1.96107	9.95502	9.97873
1.119		.06621	.00025	-.01363	.06326	.00153	.35511	.00151	-.00626
GRADIENT									

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPUBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = 10.000 AILRON = .000

RUN NO.		5/ 0	RN/L =	3.50	GRADIENT INTERVAL =		-5.00/	5.00	
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.199	-3.806	-.19409	.16495	.03075	-.18272	.17747	-1.02958	9.96502	10.02878
1.200	-2.188	-.08993	.16557	.00695	-.08354	.16889	-.49468	9.98501	10.04879
1.200	-1.081	-.02158	.16380	-.00876	-.01845	.16618	-.11102	9.98501	10.01877
1.200	.020	.04979	.16619	-.02499	.04973	.16620	.29924	9.97501	9.99875
1.200	1.104	.11590	.16599	-.03977	.11267	.16819	.66992	9.99500	10.01877
1.201	2.210	.18180	.16499	-.05350	.17530	.17188	1.01992	10.00500	9.99874
1.201	3.311	.25020	.16438	-.06733	.24029	.17856	1.34573	10.01499	10.02878
1.200	4.405	.31401	.16406	-.07957	.30048	.18770	1.60086	9.94503	10.00876
1.201	5.504	.38085	.16376	-.09232	.36339	.19954	1.82117	9.96502	9.96872
1.200	6.606	.44708	.16298	-.10316	.42536	.21333	1.99395	9.94503	9.96872
1.200	7.695	.51194	.16251	-.11365	.48557	.22959	2.11490	9.99500	10.02878
1.200	8.810	.57733	.16120	-.12189	.54583	.24772	2.20339	10.00500	10.01877
1.200	9.912	.64550	.15972	-.12862	.60837	.26845	2.26629	10.01499	9.97873
1.200	11.021	.70362	.15784	-.13240	.66047	.28944	2.28191	10.02499	10.00876
1.200	12.140	.76828	.15709	-.13732	.71806	.31515	2.27851	9.99500	9.95871
1.200	13.231	.83063	.15688	-.14427	.77268	.34283	2.25386	9.98501	10.02878
1.200	14.324	.89258	.15740	-.14939	.82589	.37333	2.21221	10.03498	9.96872
1.200	15.427	.95487	.15812	-.15471	.87841	.40643	2.16129	10.03498	10.01877
1.200	17.634	1.07162	.15832	-.16293	.97330	.47552	2.04680	9.94503	9.96872
1.200	19.825	1.17714	.15749	-.16420	1.05396	.54738	1.92547	9.99500	9.95871
1.201	GRADIENT	.06189	-.00015	-.01350	.05889	.00135	.32744	.00108	-.00321

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 94/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-4.010	-.54443	.09159	.17856	-.53669	.12943	-4.14652	-17.99450	-22.02928
.600	-2.343	-.45240	.09546	.17048	-.44812	.11388	-3.93503	-18.00450	-22.03928
.600	-1.283	-.39599	.09753	.16697	-.39369	.10638	-3.70094	-18.01450	-22.02928
.600	-.229	-.34580	.09864	.16428	-.34541	.10002	-3.45343	-18.01450	-22.03928
.600	.842	-.29052	.09867	.16178	-.29194	.09439	-3.09287	-18.02451	-22.02928
.600	1.887	-.24048	.09790	.15956	-.24357	.08993	-2.70840	-18.01450	-22.03928
.600	2.946	-.18586	.09565	.15648	-.19054	.08597	-2.21619	-17.99450	-22.00926
.600	4.012	-.12544	.09205	.15326	-.13157	.08305	-1.58427	-18.00450	-22.00926
.600	5.059	-.07434	.08830	.15145	-.08184	.08140	-1.00537	-18.00450	-22.00926
.600	6.126	-.02414	.08403	.15021	-.03297	.08097	-.40715	-17.97449	-21.99925
.600	7.187	.02933	.07871	.14977	.01925	.09176	.23543	-18.02451	-22.00926
.600	8.250	.08358	.07273	.14932	.07228	.08397	.86078	-17.98450	-22.00926
.600	9.312	.13688	.06635	.15011	.12434	.08763	1.41898	-18.00450	-22.00926
.600	10.383	.18878	.05993	.15075	.17489	.09297	1.88113	-18.02451	-22.00926
.600	11.437	.24392	.05247	.15108	.22867	.09979	2.29155	-18.00450	-22.00926
.600	12.500	.29798	.04556	.15137	.28106	.10898	2.57906	-17.99450	-22.01927
.600	13.574	.36773	.04746	.14590	.34631	.13245	2.61476	-18.01450	-22.01927
.600	14.637	.42195	.04743	.14619	.39627	.15251	2.59833	-18.01450	-22.01927
.600	16.781	.54122	.04344	.14499	.50563	.19785	2.55556	-17.99450	-22.02928
.600	18.883	.64527	.04552	.14647	.59581	.25190	2.36529	-17.99450	-22.03928
.600	GRADIENT	.05143	.00011	-.00294	.04971	-.00564	.31684	-.00047	.00277

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 88/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-4.013	-.57637	.11073	.20436	-.56721	.15080	-3.76134	-17.98450	-22.03479
.801	-2.432	-.47202	.11183	.19132	-.46685	.13176	-3.54322	-18.01450	-22.03479
.800	-1.337	-.40560	.11162	.18329	-.40289	.12106	-3.32806	-18.02451	-22.04480
.800	-.263	-.34876	.11123	.17776	-.34824	.11283	-3.08640	-18.03451	-22.06482
.800	.818	-.28712	.11027	.17275	-.28866	.10616	-2.71918	-18.02451	-22.02478
.800	1.890	-.22590	.10832	.16849	-.22935	.10081	-2.27501	-18.01450	-22.02478
.799	2.967	-.16818	.10587	.16405	-.17343	.09702	-1.78761	-18.02451	-22.03479
.800	4.059	-.10772	.10231	.15985	-.11469	.09443	-1.21449	-18.02451	-22.04480
.800	5.142	-.04550	.09765	.15541	-.05407	.09318	-.58024	-18.03451	-22.04480
.800	6.216	.01676	.09253	.15134	.00665	.09381	.07084	-18.00450	-22.01477
.800	7.303	.08250	.08795	.14517	.07065	.09773	.72292	-18.00450	-22.03479
.800	8.404	.15124	.08443	.13961	.13727	.10563	1.29960	-18.00450	-22.03479
.800	9.493	.21800	.08237	.13440	.20143	.11719	1.71882	-18.02451	-22.03479
.800	10.565	.27975	.08110	.13021	.26013	.13102	1.98551	-18.03451	-22.03479
.800	11.665	.34451	.08121	.12767	.32098	.14919	2.15145	-18.00450	-22.04480
.800	12.753	.40164	.08149	.12516	.37374	.16814	2.22280	-18.00450	-22.05481
.801	13.841	.46582	.08121	.12128	.43286	.19029	2.27476	-18.03451	-22.04480
.800	14.916	.53129	.07983	.11626	.49284	.21390	2.30411	-18.03451	-22.07483
.800	17.082	.66368	.07825	.10576	.61141	.26975	2.26656	-18.04451	-22.02478
.800	19.249	.78527	.07695	.10007	.71601	.33153	2.15971	-18.01450	-22.04480
GRADIENT		.05739	-.00103	-.00532	.05542	-.00682	.31675	-.00328	.00027

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LA62 8FT TPT 717(LA-62) 140C ORBITER

(RJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 60/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.037	-.52743	.20470	.24658	-.51171	.24132	-2.12044	-17.99775	-22.02101
1.201	-2.362	-.40472	.20232	.21263	-.39604	.21883	-1.80977	-18.01775	-22.01101
1.201	-1.244	-.32367	.20070	.18994	-.31924	.20768	-1.53712	-18.00775	-22.02101
1.201	-.138	-.24413	.19846	.16796	-.24365	.19905	-1.22412	-17.99775	-22.01101
1.201	.956	-.16980	.19641	.14955	-.17306	.19355	-.89413	-17.99775	-21.98099
1.200	2.062	-.10304	.19559	.13524	-.11001	.19175	-.57370	-18.01775	-21.98099
1.201	3.154	-.03092	.19375	.11817	-.04153	.19176	-.21659	-18.03775	-22.01101
1.201	4.265	.03751	.19195	.10459	.02313	.19421	.11909	-18.00775	-22.01101
1.201	5.370	.10842	.18924	.09070	.09023	.19855	.45444	-18.03775	-22.03102
1.201	6.471	.17718	.18592	.07668	.15510	.20471	.75767	-18.00775	-22.01101
1.200	7.577	.24704	.18314	.06469	.22074	.21412	1.03092	-18.04774	-22.05103
1.201	8.683	.31478	.18059	.05473	.28391	.22604	1.25600	-17.98775	-22.02101
1.200	9.780	.38076	.17777	.04696	.34503	.23986	1.43844	-17.99775	-22.01101
1.200	10.899	.44636	.17524	.04095	.40518	.25647	1.57981	-18.00775	-22.02101
1.199	11.999	.51299	.17140	.03460	.46615	.27430	1.69938	-18.01775	-22.02101
1.201	13.118	.58136	.16769	.02516	.52813	.29525	1.78876	-18.01775	-22.03102
1.201	14.216	.64759	.16578	.01808	.58705	.31973	1.83606	-18.01775	-22.03102
1.200	15.319	.70981	.16373	.01286	.64133	.34544	1.85656	-18.02775	-22.03102
1.200	17.527	.82535	.15913	.00557	.73911	.40030	1.84639	-17.98775	-22.00100
1.200	19.723	.93627	.15383	.00256	.82943	.46076	1.80012	-18.01775	-22.02101
GRADIENT	.06794	-.00155	-.01712	.06436	-.00550	.27646	-.00210	.00233	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3011) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 95/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.977	-.49574	.07675	.15598	-.48922	.11094	-4.40973	-13.04326	-17.05492
.600	-2.309	-.40098	.08074	.14691	-.39740	.09683	-4.10406	-13.00325	-17.01489
.600	-1.254	-.35064	.08272	.14419	-.34874	.09037	-3.85883	-13.01325	-17.03491
.600	-.197	-.29834	.08400	.14203	-.29805	.08502	-3.50551	-13.02326	-17.02490
.600	.864	-.24420	.08421	.14060	-.24544	.08052	-3.04809	-13.03326	-17.02490
.600	1.920	-.19369	.08349	.13943	-.19638	.07695	-2.55211	-13.05326	-17.02490
.600	2.975	-.14526	.08186	.13813	-.14932	.07421	-2.01207	-12.99325	-17.03491
.600	4.033	-.09265	.07923	.13665	-.09799	.07252	-1.35131	-13.00325	-17.03491
.600	5.092	-.04131	.07533	.13600	-.04783	.07137	-.67021	-13.00325	-17.04491
.600	6.142	.01164	.07053	.13471	.00402	.07137	.05636	-13.02326	-17.02490
.600	7.217	.06872	.06428	.13378	.06010	.07241	.83001	-13.00325	-17.04491
.600	8.274	.11930	.05844	.13290	.10965	.07500	1.46211	-13.00325	-17.03491
.600	9.338	.17576	.05141	.13205	.16509	.07925	2.08326	-13.01325	-17.01489
.599	10.401	.23040	.04430	.13215	.21862	.08517	2.56674	-13.02326	-17.02490
.599	11.477	.29353	.03583	.13302	.28053	.09351	2.99986	-13.01325	-17.02490
.599	12.536	.34519	.02970	.13386	.33052	.10392	3.18047	-13.02326	-17.03491
.600	13.600	.40670	.03544	.12847	.38696	.13008	2.97469	-12.99325	-17.03491
.600	14.672	.46241	.03639	.12684	.43811	.15233	2.87610	-13.01325	-17.02490
.600	16.800	.58502	.03281	.12409	.55057	.20049	2.74607	-13.03326	-17.03491
.600	18.930	.69929	.03382	.12330	.65049	.25885	2.51297	-13.04326	-17.04491
GRADIENT		.04978	.00032	-.00214	.04831	-.00465	.38538	.00231	.00100

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3011) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 59/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.968	-.46635	.18691	.21442	-.45230	.21873	-2.06780	-12.99838	-16.99850
1.201	-2.300	-.34818	.18433	.18197	-.34050	.19815	-1.71839	-12.98838	-17.02851
1.201	-1.193	-.26991	.18263	.16104	-.26605	.18821	-1.41353	-13.03837	-17.04852
1.201	-.091	-.19422	.18124	.14094	-.19393	.18155	-1.06818	-13.03837	-17.00850
1.201	1.008	-.12285	.17950	.12263	-.12599	.17731	-.71055	-13.01837	-17.01851
1.201	2.110	-.04997	.17761	.10526	-.05648	.17565	-.32155	-13.00837	-16.97849
1.200	3.219	.01760	.17610	.09136	.00768	.17581	.04344	-13.01837	-17.00850
1.201	4.319	.08567	.17482	.07778	.07226	.18078	.39974	-13.03837	-17.01851
1.201	5.397	.15136	.17346	.06530	.13438	.18692	.71889	-13.05837	-17.03852
1.200	6.510	.22026	.17177	.05256	.19936	.19564	1.01905	-13.02837	-17.02851
1.200	7.626	.28989	.16934	.04076	.26486	.20631	1.28378	-13.01837	-17.00850
1.200	8.727	.35287	.16676	.03291	.32348	.21837	1.48133	-13.04837	-17.02851
1.200	9.810	.41600	.16343	.02590	.38207	.23192	1.64742	-13.02837	-17.00850
1.200	10.931	.48277	.16042	.01971	.44359	.24906	1.78108	-12.98838	-16.98849
1.200	12.028	.54709	.15807	.01422	.50214	.26861	1.86942	-13.03837	-17.02851
1.201	13.148	.61412	.15694	.00751	.56232	.29252	1.92230	-13.07837	-17.03852
1.200	14.252	.67728	.15537	.00111	.61819	.31732	1.94814	-13.02837	-16.96848
1.200	15.354	.73820	.15355	-.00381	.67120	.34353	1.95382	-13.03837	-17.01851
1.200	17.551	.85418	.14994	-.01182	.76920	.40055	1.92036	-12.96838	-17.01851
1.200	19.730	.96234	.14457	-.01576	.85704	.46096	1.85925	-13.00837	-17.00850
	GRADIENT	.06658	-.00142	-.01657	.06331	-.00442	.30626	-.00337	.00143

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 96/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.933	-.43050	.06702	.12567	-.42489	.09639	-4.40778	-7.98200	-12.00050
.600	-2.272	-.34435	.07150	.11943	-.34125	.08509	-4.01020	-7.98200	-12.01051
.600	-1.214	-.29084	.07351	.11739	-.28922	.07965	-3.63116	-7.99200	-12.01051
.600	-.157	-.23869	.07447	.11505	-.23849	.07512	-3.17468	-7.97199	-12.01051
.600	.911	-.18742	.07438	.11384	-.18858	.07140	-2.64134	-7.99200	-12.00050
.600	1.958	-.13663	.07334	.11247	-.13906	.06863	-2.02614	-8.00200	-12.01051
.599	3.025	-.08469	.07145	.11084	-.08834	.06688	-1.32080	-8.00200	-12.01051
.600	4.075	-.03151	.06814	.10934	-.03627	.06572	-.55191	-7.99200	-12.00050
.600	5.124	.02052	.06424	.10807	.01471	.06581	.22345	-7.98200	-12.00050
.600	6.193	.07327	.05907	.10712	.06647	.06663	.99758	-8.00200	-12.00050
.600	7.256	.12742	.05295	.10637	.11971	.06862	1.74445	-7.98200	-12.00050
.600	8.316	.18021	.04682	.10581	.17154	.07239	2.36982	-7.98200	-11.99049
.600	9.369	.23511	.03992	.10555	.22548	.07766	2.90325	-7.98200	-12.00050
.600	10.444	.28988	.03278	.10702	.27914	.08479	3.29221	-8.00200	-12.01051
.600	11.510	.34585	.02543	.10805	.33382	.09393	3.55406	-8.00200	-12.01051
.600	12.580	.40541	.01901	.10831	.39153	.10685	3.66439	-7.99200	-12.01051
.601	13.644	.47167	.02885	.09835	.45156	.13931	3.24146	-8.00200	-12.02052
.600	14.718	.52984	.02892	.09627	.50511	.16259	3.10662	-8.00200	-12.03053
.600	16.844	.65372	.02526	.09073	.61835	.21361	2.89475	-8.02201	-12.02052
.600	18.976	.77465	.02636	.08511	.72398	.27682	2.61539	-7.98200	-12.01051
GRADIENT		.04949	.00013	-.00189	.04320	-.00373	.48706	-.00233	.00003

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TABULATED SOURCE DATA - LA62

PAGE 53

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 93/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.990	-.44344	.07144	.13306	-.43740	.10212	-4.28314	-8.00200	-12.01051
.699	-2.294	-.34540	.07473	.12379	-.34213	.08850	-3.86608	-8.01200	-12.02052
.700	-1.235	-.28716	.07641	.11940	-.28545	.08258	-3.45656	-8.02201	-12.02052
.700	-.173	-.23679	.07709	.11663	-.23656	.07780	-3.04046	-8.01200	-12.04054
.700	.893	-.18409	.07692	.11480	-.18526	.07404	-2.50224	-8.01200	-12.02052
.699	1.960	-.13073	.07563	.11305	-.13324	.07112	-1.87351	-8.02201	-12.03053
.699	3.029	-.07652	.07343	.11150	-.08029	.06928	-1.15882	-8.02201	-12.03053
.699	4.109	-.02112	.07007	.10980	-.02608	.06837	-.38147	-8.03201	-12.04054
.699	5.155	.03125	.06594	.10864	.02520	.06848	.36801	-8.02201	-12.04054
.699	6.234	.08519	.06087	.10757	.07808	.06976	1.111921	-8.03201	-12.05054
.700	7.298	.14208	.05488	.10662	.13395	.07248	1.84807	-8.02201	-12.05054
.699	8.382	.20079	.04831	.10502	.19160	.07706	2.48634	-8.01200	-12.06055
.699	9.456	.25840	.04189	.10392	.24801	.08377	2.96046	-8.01200	-12.07056
.699	10.534	.31965	.03824	.10254	.30727	.09604	3.19948	-7.99200	-12.03053
.700	11.592	.37647	.04111	.09743	.36053	.11592	3.11011	-8.03201	-12.03053
.699	12.687	.43786	.04273	.09539	.41778	.13785	3.03068	-8.03201	-12.04054
.700	13.743	.49106	.04452	.09244	.46643	.15991	2.91686	-8.02201	-12.02052
.699	14.821	.55243	.04373	.09168	.52286	.18359	2.84801	-8.03201	-12.02052
.699	16.977	.67677	.04182	.08788	.63507	.23761	2.67272	-8.02201	-12.03053
.699	19.129	.79385	.04052	.08696	.73674	.29843	2.46874	-8.02201	-12.05054
.700									
	GRADIENT	.05142	-.00015	-.00266	.05008	-.00401	.48656	-.00281	-.00292

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 87/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.927	-.45658	.08045	.14524	-.45000	.11153	-4.03481	-8.02201	-12.00350
.800	-2.309	-.35527	.08248	.13313	-.35166	.09672	-3.63567	-8.02201	-12.01352
.800	-1.257	-.29184	.08329	.12668	-.28994	.08967	-3.23348	-8.05201	-12.00350
.801	-.167	-.23164	.08362	.12231	-.23139	.08430	-2.74501	-8.03201	-12.01352
.800	.935	-.17075	.08295	.11868	-.17208	.08015	-2.14701	-8.03201	-12.03354
.800	1.980	-.11608	.08158	.11575	-.11883	.07752	-1.53286	-8.03201	-12.04355
.800	3.068	-.05887	.07922	.11262	-.06302	.07595	-.82976	-8.03201	-12.03354
.800	4.136	-.00146	.07568	.10989	-.00693	.07558	-.09167	-8.01200	-12.03354
.800	5.216	.06418	.07152	.10633	.05737	.07709	.74423	-8.02201	-12.02353
.799	6.294	.12283	.06769	.10224	.11466	.08075	1.41999	-8.02201	-12.02353
.800	7.395	.19187	.06470	.09555	.18195	.08886	2.04767	-8.01200	-12.02353
.800	8.485	.25171	.06254	.09095	.23973	.09900	2.42156	-8.00200	-12.02353
.800	9.564	.30814	.06155	.08978	.29363	.11189	2.62422	-8.02201	-12.04355
.800	10.640	.35932	.06195	.09145	.34170	.12723	2.68576	-8.01200	-12.04355
.800	11.712	.40941	.06253	.09219	.38820	.14434	2.68951	-8.02201	-12.04355
.800	12.782	.46800	.06293	.08960	.44248	.16491	2.68311	-8.03201	-12.06357
.800	13.853	.51965	.06492	.08709	.48899	.18745	2.60859	-8.05201	-12.04355
.799	14.929	.57467	.06553	.08653	.53839	.21137	2.54721	-8.01200	-12.04355
.800	17.104	.70203	.06540	.08059	.65175	.26899	2.42296	-8.00200	-12.03354
.800	19.254	.80061	.06809	.08012	.73337	.32829	2.23389	-8.00200	-12.04355
GRADIENT		.05593	-.00054	-.00415	.05445	-.00428	.49897	.00074	-.00478

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF * 474.8000 INCHES YMRP = .0000 IN. YO
 BREF * 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE * .0150

PARAMETRIC DATA

BETA * .000 SPDBRK = 25.000
 RUDDER * .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 82/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-4.018	-.50322	.10069	.18102	-.49493	.13570	-3.64712	-8.01200	-12.00350
.900	-2.358	-.39269	.10377	.16756	-.38809	.11984	-3.23842	-8.02201	-12.00350
.900	-1.278	-.31873	.10393	.15726	-.31633	.11102	-2.84936	-8.01200	-12.01352
.900	-.186	-.25165	.10353	.14928	-.25131	.10435	-2.40842	-8.02201	-12.01352
.899	.914	-.18631	.10197	.14146	-.18791	.09898	-1.89845	-8.03201	-12.01352
.900	2.025	-.11274	.10047	.13223	-.11622	.09643	-1.20528	-8.02201	-12.03354
.899	3.101	-.03969	.09843	.12077	-.04495	.09614	-.46758	-8.02201	-12.04355
.900	4.224	.03781	.09656	.10912	.03059	.09908	.30875	-8.01200	-12.04355
.899	5.308	.10665	.09455	.09985	.09745	.10401	.93689	-7.99200	-12.00350
.899	6.386	.17117	.09273	.09153	.15979	.11119	1.43713	-8.01200	-12.01352
.899	7.486	.23502	.09220	.08585	.22100	.12203	1.81099	-8.00200	-12.01352
.899	8.569	.29238	.09184	.08165	.27543	.13438	2.04966	-7.99200	-12.03354
.900	9.656	.34851	.09245	.08135	.32807	.14959	2.19308	-8.00200	-11.98348
.899	10.724	.40547	.09316	.07494	.38106	.16698	2.28200	-7.98200	-12.00350
.899	11.806	.46412	.09342	.06921	.43519	.18641	2.33459	-8.00200	-12.01352
.900	12.898	.51921	.09466	.06676	.48498	.20917	2.32972	-7.99200	-12.00350
.899	13.984	.56959	.09429	.06582	.52992	.22914	2.31269	-7.98200	-12.02353
.899	15.048	.62359	.09417	.06551	.57776	.25284	2.28508	-8.00200	-12.03354
.900	17.231	.73720	.09409	.06257	.67624	.30824	2.19387	-8.04201	-12.04355
.899	19.388	.83666	.09330	.06664	.75824	.36575	2.07311	-8.04201	-12.03354
GRADIENT		.06497	-.00067	-.00854	.06312	-.00450	.48564	-.00047	-.00556

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 74/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.919	-4.103	-.52145	.10842	.19656	-.51236	.14544	-3.52273	-8.04799	-11.99450
.919	-2.391	-.40193	.11022	.17929	-.39698	.12689	-3.12850	-7.98800	-11.99450
.919	-1.284	-.33251	.11073	.17120	-.32995	.11815	-2.79262	-8.00800	-12.00450
.920	-.188	-.26333	.11019	.16281	-.26297	.11105	-2.36797	-8.00800	-12.00450
.919	.920	-.19162	.10894	.15263	-.19335	.10584	-1.82671	-7.98800	-12.00450
.920	2.023	-.11460	.10775	.14040	-.11833	.10363	-1.14184	-8.01800	-12.02451
.920	3.111	-.04052	.10645	.12830	-.04624	.10410	-.44418	-7.99800	-11.99450
.920	4.219	.03322	.10473	.11616	.02542	.10690	.23784	-8.01800	-12.00450
.919	5.316	.10468	.10256	.10561	.09473	.11182	.84720	-8.01800	-12.01451
.920	6.400	.17141	.10169	.09824	.15900	.12016	1.32320	-8.00800	-12.01451
.919	7.479	.23263	.10041	.09341	.21758	.12983	1.67584	-8.01800	-12.03451
.919	8.585	.29980	.09939	.08667	.28160	.14303	1.96887	-7.97801	-12.03451
.919	9.670	.36183	.09911	.07880	.34004	.15848	2.14570	-7.96800	-12.03451
.919	10.763	.42992	.09884	.06927	.40389	.17739	2.27681	-7.98800	-12.03451
.920	11.838	.48459	.09959	.06188	.45386	.19688	2.30520	-8.00800	-12.03451
.920	12.911	.54138	.09986	.05725	.50539	.21829	2.31517	-8.02799	-12.02451
.920	14.006	.59778	.09975	.05548	.55586	.24147	2.30202	-8.02799	-12.03451
.919	15.089	.65326	.09917	.05226	.60492	.26581	2.27579	-8.02799	-12.05452
.920	17.270	.77471	.09768	.04579	.71078	.32327	2.19874	-8.02799	-12.05452
.919	19.414	.87264	.09650	.04588	.79095	.38107	2.07559	-8.01800	-12.03451
GRADIENT		.06629	-.00054	-.00950	.06430	-.00459	.46292	.00190	-.00138

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 61/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-4.012	-.52697	.12547	.21881	-.51690	.16203	-3.19008	-7.99900	-11.99600
.951	-2.326	-.40900	.12501	.19718	-.40359	.14150	-2.85218	-8.01900	-12.00600
.952	-1.222	-.33402	.12506	.18640	-.33128	.13215	-2.50681	-7.97900	-12.00600
.951	-.129	-.26625	.12378	.17606	-.26597	.12438	-2.13835	-7.98900	-12.02601
.950	.977	-.18834	.12258	.16337	-.19040	.11934	-1.59537	-7.99900	-12.02601
.950	2.078	-.11277	.12130	.14953	-.11710	.11713	-.99971	-8.00900	-12.03602
.951	3.182	-.03318	.11965	.13388	-.03977	.11763	-.33808	-7.99900	-12.03602
.951	4.296	.04573	.11847	.11893	.03673	.12156	.30217	-8.00900	-12.00600
.950	5.402	.12417	.11696	.10558	.11261	.12813	.87884	-8.02900	-12.01601
.950	6.486	.19308	.11521	.09421	.17883	.13628	1.31224	-7.98900	-12.00600
.951	7.587	.26482	.11369	.08467	.24749	.14766	1.67608	-7.98900	-12.01601
.950	8.678	.32931	.11230	.07686	.30859	.16070	1.92032	-8.00900	-12.02601
.950	9.770	.40400	.11008	.06492	.37946	.17704	2.14341	-8.03900	-12.05603
.951	10.869	.46722	.10950	.05648	.43819	.19564	2.23982	-8.04899	-12.03602
.950	11.947	.53097	.10851	.04749	.49700	.21608	2.30009	-8.01900	-12.03602
.951	13.049	.59464	.10819	.03988	.55486	.23965	2.31524	-8.05899	-12.06603
.950	14.134	.65318	.10769	.03434	.60711	.26393	2.30025	-8.03900	-12.04602
.950	15.229	.71473	.10719	.03185	.66148	.29116	2.27187	-8.02900	-12.03602
.950	17.417	.82993	.10605	.02757	.76014	.34960	2.17428	-8.07899	-12.06603
.950	19.590	.94471	.10398	.02646	.85517	.41470	2.06212	-8.02900	-12.03602
GRADIENT		.06855	-.00090	-.01177	.06630	-.00481	.43132	-.00071	-.00328

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 73/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.087	-.51626	.14597	.21895	-.50454	.18239	-2.76631	-8.01800	-11.99450
.980	-2.371	-.39972	.14404	.19679	-.39342	.16045	-2.45196	-7.99800	-12.01451
.980	-1.265	-.32378	.14314	.18458	-.32054	.15026	-2.13328	-8.02799	-12.00450
.980	-.169	-.25467	.14222	.17398	-.25425	.14297	-1.77831	-7.99800	-12.01451
.980	.938	-.17785	.14112	.16159	-.18014	.13819	-1.30356	-8.00800	-12.03451
.980	2.038	-.10385	.13982	.14823	-.10876	.13604	-.79943	-7.99800	-12.01451
.980	3.146	-.02283	.13820	.13254	-.03038	.13674	-.22218	-7.99800	-11.98449
.980	4.252	.05563	.13725	.11794	.04530	.14100	.32131	-8.00800	-12.00450
.980	5.350	.12787	.13645	.10504	.11459	.14778	.77542	-8.01800	-12.02451
.980	6.448	.19809	.13524	.09385	.18165	.15663	1.15972	-8.00800	-12.02451
.980	7.548	.26961	.13435	.08324	.24962	.16860	1.48053	-7.99800	-12.00450
.980	8.645	.33732	.13387	.07436	.31337	.18306	1.71188	-8.01800	-12.01451
.980	9.744	.40835	.13263	.06326	.38001	.19983	1.90168	-7.99800	-12.00450
.979	10.840	.47710	.13085	.05280	.44398	.21824	2.03431	-8.02799	-12.03451
.980	11.927	.54552	.13100	.04271	.50667	.24091	2.10319	-8.00800	-12.00450
.979	13.031	.61122	.13062	.03436	.56603	.26507	2.13541	-7.99800	-12.01451
.981	14.120	.67579	.13171	.02973	.62324	.29260	2.13001	-8.02799	-12.03451
.980	15.224	.73878	.13063	.02452	.67855	.32005	2.12014	-8.00800	-12.00450
.978	17.408	.86052	.12743	.01590	.78298	.37904	2.06571	-8.03799	-12.02451
.980	19.599	.98494	.12541	.00665	.88581	.44853	1.97493	-8.03799	-12.02451
GRADIENT		.06829	-.00104	-.01186	.06569	-.00484	.38061	.00159	.00015

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT SPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 68/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-3.964	-.45386	.16227	.19832	-.44156	.19325	-2.28489	-8.02799	-12.05452
1.120	-2.338	-.34327	.15978	.17478	-.33646	.17365	-1.93755	-7.99800	-11.99450
1.120	-1.241	-.26494	.15888	.15612	-.26144	.16458	-1.58848	-7.99800	-12.01451
1.120	-.113	-.18401	.15922	.13608	-.18370	.15958	-1.15113	-8.00800	-12.03451
1.120	.980	-.10806	.15931	.11757	-.11077	.15744	-.70357	-8.03799	-12.05452
1.120	2.099	-.02794	.15870	.09878	-.03373	.15757	-.21406	-7.95801	-12.04452
1.120	3.187	.04145	.15824	.08413	.03259	.16030	.20330	-8.00800	-11.96449
1.120	4.292	.11499	.15839	.06954	.10282	.16655	.61736	-8.00800	-11.98449
1.120	5.386	.17934	.15772	.05815	.16375	.17386	.94185	-8.05799	-12.01451
1.120	6.501	.25090	.15604	.04569	.23162	.18344	1.26267	-8.02799	-12.03451
1.119	7.579	.31666	.15368	.03540	.29362	.19410	1.51273	-8.02799	-12.03451
1.120	8.676	.37692	.15161	.02954	.34974	.20673	1.69172	-8.03799	-12.03451
1.120	9.778	.44152	.14836	.02269	.40991	.22119	1.85318	-8.02799	-12.02451
1.120	10.883	.50533	.14535	.01790	.46880	.23814	1.96860	-8.01800	-12.00450
1.119	11.987	.56867	.14304	.01387	.52657	.25803	2.04071	-8.01800	-12.03451
1.120	13.110	.63080	.14174	.01009	.58221	.28113	2.07096	-8.02799	-12.04452
1.120	14.206	.69560	.14107	.00524	.63970	.30747	2.08056	-8.01800	-12.03451
1.119	15.309	.76097	.14058	-.00113	.69685	.33551	2.07083	-8.04799	-12.08453
1.120	17.525	.88868	.13968	-.01292	.80537	.40080	2.00944	-8.04799	-12.07453
1.121	19.694	.99400	.13615	-.01762	.88997	.46315	1.92156	-8.01800	-12.00450
GRADIENT		.00200	-.00038	-.01601	.06643	-.00300	.36689	.00201	.00559

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 58/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.921	-.40932	.17214	.18035	-.39659	.19972	-1.98568	-7.97900	-12.00600
1.200	-2.258	-.29719	.17020	.15067	-.29025	.18178	-1.59668	-7.99900	-12.02601
1.201	-1.154	-.21987	.16875	.12976	-.21643	.17314	-1.25003	-8.02900	-11.97599
1.201	-.052	-.14554	.16810	.11043	-.14538	.16823	-.86418	-7.97900	-11.99600
1.201	1.039	-.07356	.16733	.09318	-.07658	.16597	-.46139	-7.99900	-12.02601
1.201	2.148	-.00426	.16653	.07789	-.01050	.16626	-.06317	-8.03900	-12.03602
1.201	3.249	.06594	.16534	.06282	.05646	.16882	.33446	-7.97900	-12.00600
1.201	4.346	.13144	.16427	.05006	.11861	.17376	.68261	-7.99900	-12.03602
1.200	5.443	.19635	.16302	.03795	.18000	.18091	.99499	-8.00900	-12.04602
1.200	6.543	.26118	.16128	.02723	.24110	.18999	1.26906	-8.03900	-12.03602
1.200	7.634	.32654	.15892	.01731	.30253	.20089	1.50598	-8.01900	-12.02601
1.201	8.744	.38827	.15626	.01006	.36001	.21347	1.68645	-8.00900	-12.00600
1.201	9.850	.45212	.15330	.00392	.41923	.22838	1.83566	-8.01900	-12.01601
1.201	10.944	.51367	.15104	-.00071	.47565	.24581	1.93501	-7.99900	-12.03602
1.200	12.052	.57802	.14920	-.00561	.53413	.26660	2.00347	-8.00900	-12.00600
1.200	13.167	.64188	.14816	-.01181	.59126	.29048	2.03545	-8.02900	-12.01601
1.200	14.258	.70377	.14710	-.01802	.64586	.31590	2.04450	-8.02900	-12.04602
1.200	15.376	.76800	.14526	-.02370	.70200	.34369	2.04250	-8.03900	-12.03602
1.201	17.573	.88682	.14249	-.03428	.80241	.40360	1.98816	-8.02900	-12.01601
1.201	19.756	.99589	.13786	-.03688	.89067	.46638	1.90974	-8.01900	-12.00600
GRADIENT		.06561	-.00090	-.01586	.06256	-.00293	.33380	-.00111	-.00325

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 97/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.877	-.33945	.06143	.08116	-.33452	.08424	-3.97085	-2.96074	-7.00613
.600	-2.215	-.25497	.06591	.07721	-.25223	.07572	-3.33109	-3.00075	-6.98611
.600	-1.160	-.20450	.06767	.07538	-.20308	.07179	-2.82881	-3.00075	-7.01614
.600	-.104	-.15487	.06839	.07436	-.15475	.06867	-2.25346	-2.98075	-7.00613
.600	.944	-.10317	.06802	.07323	-.10428	.06631	-1.57253	-2.97074	-6.99612
.600	2.013	-.05081	.06665	.07218	-.05312	.06483	-.81934	-2.99075	-6.99612
.601	3.065	.00400	.06422	.07125	.00056	.06434	.00874	-2.96074	-6.99612
.599	4.129	.05188	.06108	.07020	.04735	.06466	.73231	-2.99075	-7.00613
.600	5.187	.10330	.05672	.06945	.09774	.06582	1.48495	-2.96074	-7.00613
.601	6.257	.15561	.05147	.06883	.14907	.06812	2.18839	-2.97074	-7.00613
.600	7.311	.21175	.04498	.06789	.20430	.07156	2.85512	-2.98075	-7.01614
.600	8.370	.26325	.03890	.06717	.25479	.07681	3.31725	-2.97074	-6.99612
.600	9.437	.32151	.03180	.06642	.31195	.08408	3.71008	-2.98075	-7.01614
.600	10.503	.37767	.02441	.06737	.36689	.09285	3.95152	-3.00075	-7.01614
.600	11.571	.43549	.01716	.06873	.42320	.10417	4.06273	-3.01075	-7.01614
.600	12.645	.49666	.01717	.06333	.48085	.12548	3.83211	-3.09077	-7.02615
.600	13.692	.55372	.02455	.05618	.53218	.15491	3.43531	-3.06077	-7.04617
.600	14.763	.61603	.02059	.05465	.59045	.17689	3.33802	-3.04076	-7.04617
.600	16.904	.74841	.02097	.04485	.70998	.23767	2.98724	-3.04076	-7.02615
.600	19.026	.87107	.02354	.03869	.81581	.30622	2.66414	-3.02076	-7.03616
GRADIENT		.04890	-.00010	-.00128	.04772	-.00238	.60169	.00005	.00026

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVEN = -5.000 AILRON = 2.000

RUN NO. 86/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.838	-.36348	.07112	.09712	-.35790	.09529	-3.75576	-3.05076	-7.03792
.800	-2.269	-.27333	.07323	.08961	-.27022	.08399	-3.21713	-2.99075	-7.02791
.800	-1.199	-.21207	.07440	.08471	-.21047	.07882	-2.67010	-3.05076	-7.04793
.800	-.097	-.15160	.07468	.08130	-.15147	.07493	-2.02149	-3.03076	-7.03792
.801	.955	-.09909	.07435	.07910	-.10032	.07269	-1.38009	-3.00075	-7.03792
.800	1.946	-.04831	.07307	.07711	-.05076	.07138	-.71111	-2.99075	-7.02791
.800	3.137	.01771	.07040	.07446	.01383	.07126	.19412	-2.98075	-7.02791
.800	4.215	.07415	.06707	.07243	.06902	.07234	.95408	-2.97074	-7.03792
.799	5.299	.13514	.06314	.06943	.12874	.07535	1.70858	-2.98075	-6.98786
.800	6.375	.19884	.05958	.06542	.19100	.08129	2.34957	-2.98075	-6.98786
.800	7.452	.25638	.05795	.06113	.24670	.09071	2.71959	-2.98075	-6.98786
.800	8.536	.30967	.05676	.05968	.29781	.10210	2.91695	-3.02076	-7.01790
.800	9.600	.36048	.05636	.06029	.34603	.11568	2.99123	-3.03076	-7.01790
.800	10.673	.41070	.05615	.06138	.39319	.13124	2.99592	-3.05076	-7.01790
.800	11.747	.46177	.05675	.06195	.44054	.14958	2.94530	-3.06077	-7.02791
.800	12.831	.51623	.05790	.05941	.49048	.17110	2.86657	-3.06077	-7.03792
.800	13.894	.57137	.06064	.05530	.54010	.19606	2.75474	-3.06077	-7.05794
.799	14.990	.63620	.06038	.05163	.59893	.22288	2.68722	-3.03076	-7.04793
.800	17.161	.77023	.06154	.04205	.71772	.28606	2.50918	-3.03076	-7.01790
.800	19.315	.87355	.06355	.03916	.80337	.34890	2.30254	-3.07077	-7.05794
GRADIENT		.05397	-.00047	-.00294	.05266	-.00271	.59928	.00878	.00063

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 63

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 81/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.895	-.40158	.08787	.12278	-.39468	.11495	-3.43363	-3.02076	-7.04793
.899	-2.301	-.29635	.08953	.10922	-.29252	.10136	-2.88603	-2.97074	-7.04793
.900	-1.211	-.22242	.09086	.10024	-.22045	.09554	-2.30742	-2.99075	-7.01790
.899	-.110	-.15720	.09046	.09306	-.15702	.09076	-1.73006	-2.98075	-7.01790
.900	.985	-.08983	.09029	.08666	-.09136	.08874	-1.02962	-2.98075	-7.03792
.899	2.080	-.02065	.08954	.07854	-.02389	.08873	-.26923	-2.99075	-7.03792
.900	3.162	.04748	.08854	.06922	.04252	.09103	.46711	-2.99075	-7.04793
.899	4.272	.11253	.08751	.06164	.10570	.09565	1.10512	-3.03076	-7.02791
.900	5.347	.17837	.08644	.05660	.16954	.10269	1.65107	-3.11078	-7.02791
.900	6.440	.23544	.08596	.05325	.22431	.11182	2.00589	-3.01075	-7.04793
.899	7.506	.28615	.08577	.05146	.27249	.12242	2.22598	-2.96074	-7.00788
.900	8.589	.34017	.08587	.05084	.32353	.13571	2.38400	-2.96074	-7.00788
.900	9.682	.39513	.08555	.04907	.37512	.15079	2.48771	-2.96074	-7.02791
.900	10.755	.44583	.08624	.04553	.42190	.16792	2.51250	-2.96074	-7.02791
.899	11.831	.49876	.08710	.04166	.47031	.18750	2.50830	-2.98075	-7.02791
.900	12.897	.55223	.08764	.03704	.51874	.20869	2.48571	-3.03076	-7.01790
.901	13.996	.61157	.08792	.03398	.57216	.23322	2.45326	-3.10078	-7.02791
.899	15.074	.67135	.08659	.03236	.62573	.25821	2.42334	-3.00075	-7.02791
.900	17.250	.78840	.08679	.02846	.72721	.31667	2.29639	-3.04076	-7.04793
.900	19.410	.89087	.08668	.02880	.81143	.37781	2.14773	-3.02076	-7.06795
GRADIENT		.06281	-.00010	-.00734	.06116	-.00228	.57711	-.00147	.00072

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 72/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.023	-.42171	.13263	.15902	-.41136	.16189	-2.54102	-3.03924	-7.01263
.980	-2.303	-.30146	.13061	.13528	-.29597	.14262	-2.07526	-2.98925	-7.02263
.980	-1.202	-.22876	.13054	.12400	-.22597	.13531	-1.67009	-2.99925	-7.04264
.980	-.112	-.15772	.12947	.11346	-.15747	.12978	-1.21334	-2.99925	-7.03264
.980	1.004	-.08197	.12949	.10162	-.08422	.12803	-.65783	-3.03924	-7.00263
.980	2.101	-.01148	.12878	.08997	-.01619	.12827	-.12625	-3.00925	-7.01263
.980	3.203	.06333	.12776	.07696	.05610	.13110	.42789	-2.99925	-7.03264
.980	4.298	.13341	.12699	.06454	.12351	.13663	.90399	-3.02924	-7.04264
.980	5.399	.20380	.12637	.05491	.19101	.14499	1.31739	-2.99925	-7.02263
.980	6.493	.27048	.12540	.04567	.25456	.15518	1.64042	-3.02924	-7.03264
.980	7.580	.33845	.12458	.03636	.31906	.16814	1.89765	-2.98925	-7.01263
.980	8.702	.40820	.12391	.02873	.38476	.18425	2.08828	-2.97926	-7.02263
.980	9.780	.46941	.12389	.02089	.44154	.20183	2.18770	-3.01925	-7.03264
.981	10.878	.53675	.12462	.01289	.50359	.22368	2.25137	-2.97926	-7.00263
.980	11.963	.59541	.12526	.00636	.55652	.24596	2.26263	-3.02924	-7.04264
.980	13.062	.66310	.12598	-.00113	.61747	.27259	2.26521	-3.03924	-7.02263
.980	14.160	.72703	.12523	-.00511	.67431	.29927	2.25316	-3.03924	-7.05264
.979	15.258	.78511	.12561	-.00930	.72438	.32779	2.20987	-3.01925	-7.00263
.980	17.451	.91208	.12438	-.01939	.83280	.39219	2.12348	-3.03924	-7.03264
.979	19.615	1.03310	.11997	-.02653	.93288	.45982	2.02878	-3.02924	-7.01263
GRADIENT		.06654	-.00061	-.01105	.06416	-.00281	.42951	-.00020	-.00151

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 57/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.852	-.34320	.15906	.13783	-.33174	.18176	-1.82517	-2.96963	-6.99350
1.201	-2.210	-.23361	.15857	.11044	-.22732	.16746	-1.35745	-3.05962	-7.03352
1.201	-1.108	-.15958	.15762	.09174	-.15650	.16068	-.97399	-3.02962	-7.01351
1.200	-.013	-.09151	.15720	.07527	-.09148	.15722	-.58183	-3.06962	-7.04352
1.200	1.076	-.02161	.15690	.05907	-.02455	.15646	-.15691	-3.01962	-7.06353
1.201	2.185	.04705	.15619	.04426	.04106	.15787	.26011	-3.03962	-7.03352
1.201	3.280	.11279	.15556	.03043	.10370	.16176	.64112	-3.04962	-7.06353
1.200	4.391	.18055	.15466	.01764	.16818	.16803	1.00094	-3.05962	-7.03352
1.201	5.469	.24548	.15335	.00575	.22974	.17605	1.30502	-3.00962	-7.04352
1.201	6.589	.31050	.15173	-.00452	.29104	.18635	1.56175	-3.01962	-7.02351
1.200	7.662	.36866	.15019	-.01166	.34534	.19801	1.74409	-3.02962	-7.03352
1.200	8.773	.42844	.14732	-.01650	.40096	.21094	1.90078	-3.03962	-7.02351
1.200	9.872	.48747	.14478	-.02117	.45543	.22621	2.01328	-3.01962	-7.05353
1.200	10.969	.55116	.14340	-.02641	.51381	.24565	2.09164	-3.02962	-7.01351
1.200	12.078	.61631	.14250	-.03160	.57285	.26830	2.13511	-3.05962	-7.05353
1.200	13.191	.67876	.14171	-.03698	.62852	.29287	2.14609	-3.06962	-7.05353
1.201	14.283	.74036	.14050	-.04331	.68281	.31881	2.14172	-3.03962	-7.06353
1.201	15.394	.80259	.13967	-.04931	.73672	.34771	2.11878	-3.05962	-7.05353
1.200	17.593	.92839	.13914	-.06064	.84292	.41324	2.03975	-2.99963	-6.97349
1.200	19.801	1.03251	.13748	-.06151	.92490	.47911	1.93044	-3.02962	-7.03352
1.201	GRADIENT	.06340	-.00052	-.01460	.06054	-.00151	.35199	-.00625	-.00548

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 99/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.818	-.24622	.06058	.03753	-.24164	.07684	-3.14488	1.98950	-2.02177
.600	-2.165	-.17072	.06484	.03487	-.16815	.07124	-2.36029	2.01950	-2.00175
.600	-1.116	-.11933	.06649	.03455	-.11801	.06880	-1.71532	1.99950	-2.00175
.600	-.063	-.07182	.06696	.03330	-.07175	.06704	-1.07030	1.99950	-1.98173
.600	1.007	-.01853	.06643	.03287	-.01970	.06610	-.29801	2.00950	-2.00175
.600	2.075	.03287	.06485	.03142	.03050	.06600	.46219	2.01950	-2.00175
.600	3.125	.08565	.06232	.03064	.08213	.06690	1.22768	1.99950	-2.00175
.600	4.189	.13417	.05905	.02938	.12950	.06870	1.88504	2.00950	-1.99174
.600	5.233	.19011	.05421	.02887	.18437	.07132	2.58506	1.99950	-2.00175
.600	6.304	.24397	.04853	.02743	.23717	.07503	3.16112	1.98950	-2.00175
.600	7.352	.29615	.04251	.02589	.28827	.08006	3.60072	1.99950	-2.00175
.600	8.426	.35229	.03582	.02418	.34324	.08706	3.94266	1.98950	-2.00175
.600	9.483	.41146	.02842	.02372	.40116	.09583	4.18634	1.97951	-2.00175
.600	10.556	.46504	.02172	.02407	.45319	.10655	4.25349	1.98950	-2.00175
.600	11.618	.52549	.01454	.02508	.51179	.12006	4.26266	1.97951	-2.00175
.600	12.679	.58480	.01744	.01942	.56671	.14537	3.89843	1.95951	-2.03178
.600	13.762	.64364	.01927	.01566	.62058	.17183	3.61164	1.98950	-2.04179
.601	14.833	.70870	.01945	.01171	.68010	.20024	3.39649	1.97951	-2.02177
.600	16.962	.84088	.02300	.00031	.79759	.26731	2.98382	1.96951	-2.02177
.600	19.092	.96036	.02608	-.00484	.89900	.33876	2.65377	1.99950	-2.07181
GRADIENT		.04780	-.00026	-.00095	.04664	-.00099	.64657	.00131	.00218

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 92/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.699	-3.862	-.25825	.06301	.04052	-.25342	.08026	-3.15757	1.96951	-1.99174
.700	-2.200	-.17605	.06631	.03739	-.17338	.07302	-2.37423	1.96951	-1.98173
.700	-1.112	-.12160	.06780	.03575	-.12026	.07014	-1.71448	1.95951	-1.99174
.700	-.061	-.07321	.06819	.03459	-.07314	.06826	-1.07139	1.94951	-1.99174
.699	1.010	-.01781	.06755	.03332	-.01900	.06722	-.28258	1.93952	-2.00175
.700	2.086	.03464	.06584	.03204	.03222	.06708	.48044	2.03949	-2.00175
.699	3.138	.08351	.06348	.03102	.07991	.06796	1.17580	1.97951	-2.00175
.699	4.213	.14242	.05958	.02948	.13766	.06988	1.96988	1.95951	-1.99174
.700	5.285	.19812	.05482	.02818	.19222	.07284	2.63909	1.96951	-2.00175
.700	6.353	.25225	.04964	.02651	.24521	.07725	3.17421	1.95951	-1.98173
.700	7.430	.31336	.04345	.02404	.30511	.08361	3.64934	1.96951	-1.99174
.699	8.501	.37004	.03752	.02233	.36043	.09181	3.92565	2.06948	-1.99174
.700	9.574	.43482	.03242	.02092	.42337	.10429	4.05958	1.98950	-1.99174
.699	10.652	.48803	.03226	.02001	.47366	.12191	3.88530	2.04949	-2.03178
.700	11.704	.52946	.03789	.01915	.51076	.14451	3.53454	2.06948	-2.06180
.700	12.773	.58587	.03936	.01618	.56267	.16792	3.35086	1.98950	-2.06180
.700	13.840	.64179	.04099	.01206	.61335	.19333	3.17254	1.95951	-2.04179
.699	14.924	.70897	.03814	.00954	.67523	.21945	3.07696	1.98950	-2.05180
.700	17.102	.85892	.03904	-.00450	.80946	.28990	2.79220	2.01950	-2.06180
.699	19.250	.97441	.03922	-.00488	.90700	.35828	2.53156	2.01950	-2.05180
GRADIENT		.04928	-.00043	-.00130	.04810	-.00121	.64724	.00215	-.00145

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPD8RK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 85/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.795	-.27467	.06765	.04990	-.26959	.08568	-3.14644	1.95976	-2.00225
.800	-2.223	-.19244	.06952	.04560	-.18960	.07693	-2.46457	1.95976	-2.00225
.800	-1.130	-.13211	.07066	.04294	-.13069	.07325	-1.78418	1.95976	-2.01226
.800	-.054	-.07708	.07104	.04086	-.07700	.07113	-1.08256	1.99975	-2.01226
.800	1.008	-.02462	.07046	.03911	-.02586	.07002	-.36932	1.99975	-2.01226
.800	2.109	.03312	.06894	.03726	.03056	.07011	.43587	2.01975	-2.02228
.800	3.164	.08700	.06661	.03549	.08319	.07131	1.16668	2.00975	-2.02228
.800	4.259	.14842	.06335	.03320	.14331	.07419	1.93154	2.00975	-2.02228
.800	5.353	.20989	.05982	.02981	.20340	.07914	2.57017	2.03975	-1.96221
.800	6.420	.26745	.05693	.02609	.25941	.08648	2.99955	1.95976	-2.00225
.799	7.492	.32708	.05551	.02378	.31705	.09768	3.24582	2.00975	-2.00225
.800	8.563	.37744	.05495	.02268	.36505	.11053	3.30262	1.96975	-2.02228
.801	9.636	.42711	.05493	.02347	.41189	.12565	3.27814	1.98975	-2.02228
.800	10.711	.47863	.05456	.02442	.46015	.14256	3.22766	1.98975	-2.02228
.800	11.769	.52633	.05590	.02402	.50386	.16207	3.10886	1.99975	-2.00225
.799	12.869	.58013	.05693	.02080	.55288	.18471	2.99327	2.02975	-2.01226
.800	13.933	.64456	.05969	.01361	.61123	.21313	2.86779	2.02975	-2.04230
.800	15.034	.72267	.05955	.00518	.68249	.24496	2.78612	2.01975	-2.01226
.800	17.211	.85858	.06087	-.00643	.80212	.31219	2.56937	2.00975	-2.04230
.800	19.348	.95499	.06334	-.00733	.88007	.37616	2.33959	1.99975	-2.08234
GRADIENT		.05216	-.00051	-.00199	.05090	-.00132	.64668	.00824	-.00287

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 69

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 80/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.806	-.29992	.08280	.06173	-.29376	.10253	-2.86521	2.01975	-2.00225
.900	-2.231	-.20346	.08405	.05200	-.20003	.09190	-2.17655	2.01975	-2.00225
.900	-1.145	-.13498	.08525	.04492	-.13325	.08794	-1.51528	2.00975	-1.99224
.900	-.040	-.06836	.08531	.03934	-.06830	.08536	-.80011	2.01975	-2.00225
.900	1.029	-.00553	.08515	.03377	-.00706	.08504	-.08297	2.03975	-2.01226
.900	2.131	.05944	.08480	.02800	.05624	.08696	.64681	2.01975	-2.00225
.900	3.233	.12461	.08407	.02208	.11967	.09097	1.31550	2.07974	-2.03229
.899	4.329	.17919	.08331	.02283	.17239	.09660	1.78459	1.92976	-2.04230
.900	5.385	.22821	.08301	.02263	.21941	.10406	2.10859	2.12973	-2.04230
.900	6.470	.28568	.08241	.02021	.27457	.11408	2.40682	1.97975	-2.02228
.900	7.536	.33611	.08194	.01849	.32246	.12531	2.57320	1.97975	-2.04230
.900	8.635	.38775	.08186	.01820	.37106	.13915	2.66664	1.97975	-2.04230
.900	9.706	.44161	.08166	.01586	.42153	.15494	2.72050	1.98975	-2.02228
.899	10.790	.49335	.08243	.01207	.46920	.17333	2.70700	1.98975	-1.99224
.900	11.867	.54870	.08355	.00663	.51979	.19460	2.67107	1.91976	-2.01226
.900	12.947	.60593	.08448	.00058	.57160	.21809	2.62097	1.92976	-2.04230
.900	14.023	.66449	.08499	-.00281	.62410	.24347	2.56337	1.90976	-2.48279
.900	15.136	.73670	.08447	-.00916	.68909	.27390	2.51585	1.97975	-2.06232
.900	17.297	.85334	.08420	-.01551	.76972	.33411	2.36368	1.93976	-2.03229
.900	19.473	.96113	.08470	-.01612	.87792	.40026	2.19334	1.94976	-2.01226
GRADIENT	.05931	.00004	-.00505	.05774	-.00060	.59987	-.00287	-.00484	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8700 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 75/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-
.920	-3.968	-.31195	.09133	.06419	-.30488	.11270	-2.70533	2.01924	-2.00075
.920	-2.257	-.20267	.09258	.05044	-.19886	.10049	-1.97894	2.00925	-2.00075
.920	-1.136	-.13006	.09323	.04165	-.12819	.09579	-1.33814	2.02924	-2.01075
.920	-.051	-.06325	.09298	.03485	-.06317	.09304	-.67891	2.03924	-2.02076
.920	1.036	.00447	.09310	.02830	.00279	.09317	.02990	2.02924	-2.00075
.920	2.129	.07108	.09241	.02090	.06760	.09499	.71160	2.05923	-2.02076
.920	3.235	.13638	.09163	.01584	.13099	.09918	1.32067	2.04923	-2.01075
.920	4.311	.19283	.09086	.01380	.18546	.10509	1.76466	2.05923	-2.03076
.920	5.395	.24401	.09018	.01683	.23445	.11272	2.07992	2.04923	-2.03076
.920	6.482	.30235	.08911	.01342	.29035	.12267	2.36688	2.01924	-2.03076
.920	7.560	.35255	.08812	.01250	.33789	.13374	2.52652	2.01924	-2.04077
.920	8.644	.40632	.08813	.01222	.38846	.14819	2.62127	1.97926	-2.05077
.921	9.731	.46859	.08785	.00465	.44700	.16579	2.69613	2.02924	-2.05077
.920	10.807	.51963	.08892	.00214	.49374	.18477	2.67222	2.02924	-2.01075
.920	11.873	.57509	.09106	-.00507	.54405	.20743	2.62277	1.91928	-2.09078
.920	12.956	.63422	.09161	-.01167	.59753	.23147	2.58152	1.95927	-1.94073
.920	14.061	.70046	.09247	-.01808	.65700	.25988	2.52906	2.03924	-2.04077
.920	15.144	.75885	.09257	-.02367	.70832	.28760	2.46281	2.06922	-2.10079
.920	17.345	.88898	.09078	-.03270	.82149	.35168	2.33589	1.96926	-2.02076
.920	19.497	.99221	.09058	-.03343	.90509	.41654	2.17285	2.00925	-2.09078
GRADIENT		.06134	-.00009	-.00621	.05962	-.00077	.56591	.00573	-.00279

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 71

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 62/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.951	-3.853	-.33510	.10908	.09285	-.32701	.13135	-2.48958	1.97926	-2.00100
.951	-2.217	-.22384	.10831	.07146	-.21948	.11688	-1.87779	1.97926	-2.03102
.951	-1.103	-.14971	.10835	.06145	-.14760	.11122	-1.32714	1.98925	-2.03102
.951	-.012	-.07819	.10802	.05213	-.07817	.10804	-.72354	1.98925	-2.02101
.951	1.078	-.00615	.10757	.04203	-.00818	.10744	-.07610	1.98925	-2.01101
.951	2.185	.06356	.10683	.03214	.05944	.10918	.54442	1.99925	-2.03102
.950	3.268	.13134	.10590	.02178	.12509	.11322	1.10482	1.98925	-2.02101
.950	4.378	.20303	.10462	.01209	.19445	.11981	1.62296	1.97926	-2.00100
.951	5.471	.26619	.10336	.00587	.25512	.12827	1.98899	1.99925	-2.00100
.951	6.566	.33126	.10140	-.00026	.31749	.13862	2.29041	2.00925	-2.01101
.950	7.656	.39147	.09997	-.00476	.37466	.15123	2.47745	2.02924	-2.02101
.950	8.749	.45164	.09853	-.00714	.43140	.16609	2.59746	1.97926	-2.03102
.950	9.821	.50705	.09882	-.01185	.48277	.18385	2.62587	1.99925	-2.04102
.950	10.917	.56587	.09939	-.01688	.53680	.20477	2.62151	1.96926	-2.02101
.950	11.990	.62413	.10037	-.02368	.58966	.22784	2.58809	1.97926	-2.00100
.950	13.098	.69155	.10059	-.03021	.65076	.25469	2.55513	1.97926	-2.00100
.951	14.190	.75450	.10151	-.03671	.70660	.28337	2.49358	1.98925	-1.99100
.950	15.281	.81493	.10086	-.03999	.75954	.31208	2.43383	1.97926	-2.01101
.951	17.467	.93962	.10282	-.05014	.86544	.38011	2.27684	1.98925	-1.99100
.951	19.642	1.04913	.10171	-.04907	.95389	.44845	2.12707	1.98925	-1.99100
.950	GRADIENT	.06520	-.00050	-.00953	.06321	-.00122	.51886	.00087	.00042

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 72

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 A:LRON = 2.000

RUN NO. 71/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.979	-3.977	-.33836	.13032	.10052	-.32851	.15347	-2.14056	1.97926	-1.98074
.980	-2.263	-.22458	.12938	.07961	-.21929	.13815	-1.58735	1.98925	-1.98074
.980	-1.167	-.14929	.12858	.06864	-.14664	.13159	-1.11436	1.99925	-1.98074
.980	-.060	-.08078	.12790	.05889	-.08064	.12798	-.63011	2.01924	-1.98074
.980	1.038	-.01119	.12738	.04901	-.01350	.12716	-.10617	2.00925	-1.99075
.979	2.137	.05954	.12669	.03829	.05478	.12882	.42523	1.99925	-2.00075
.980	3.237	.13137	.12611	.02684	.12404	.13333	.93037	2.01924	-2.01075
.980	4.337	.20215	.12549	.01656	.19209	.14042	1.36792	1.99925	-2.01075
.980	5.425	.27123	.12384	.00733	.25830	.14893	1.73439	2.00925	-2.03076
.980	6.531	.33704	.12262	-.00046	.32091	.16016	2.00363	1.97926	-2.02076
.980	7.624	.39953	.12231	-.00660	.37977	.17423	2.17971	2.01924	-2.00075
.979	8.718	.46396	.12089	-.01326	.44027	.18982	2.31938	1.96926	-2.02076
.980	9.812	.52678	.12211	-.01901	.49826	.21010	2.37161	1.96926	-2.02076
.979	10.914	.59040	.12248	-.02636	.55653	.23205	2.39836	1.98925	-2.03076
.980	11.993	.64963	.12526	-.03170	.60942	.25751	2.36658	1.95927	-2.03076
.979	13.088	.71443	.12534	-.03824	.66749	.28387	2.35141	2.00925	-2.03076
.979	14.186	.77884	.12551	-.04299	.72433	.31256	2.31745	1.97926	-2.02076
.980	15.278	.83893	.12713	-.04701	.77578	.34369	2.25718	1.95927	-1.99075
.981	17.472	.96810	.12696	-.05947	.88532	.41176	2.15008	2.06922	-2.04077
.979	19.655	1.09053	.12403	-.06803	.98527	.48361	2.03734	1.92928	-1.97074
GRADIENT	.06476	-.00058	-.00988	.06240	-.00143	.43582	.00300	-.00436	

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 73

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 67/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00			
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D
1.120	-3.954	-.32293	.14327	.10575	-.31228	.16520	-1.89034
1.120	-2.251	-.20982	.14311	.08451	-.20404	.15124	-1.34905
1.120	-1.157	-.13588	.14378	.06913	-.13295	.14650	-.90752
1.120	-.043	-.05966	.14511	.05134	-.05956	.14515	-.41029
1.120	1.064	.01761	.14643	.03432	.01489	.14673	.10149
1.120	2.162	.08769	.14713	.01939	.08208	.15034	.54598
1.120	3.250	.15564	.14737	.00650	.14703	.15595	.94278
1.121	4.361	.22410	.14745	-.00508	.21224	.16406	1.29363
1.120	5.461	.29021	.14639	-.01499	.27496	.17334	1.58627
1.120	6.555	.35148	.14519	-.02334	.33261	.18436	1.80411
1.121	7.651	.41217	.14304	-.02963	.38945	.19664	1.98052
1.120	8.746	.46925	.13957	-.03303	.44257	.20930	2.11453
1.121	9.835	.53013	.13726	-.03804	.49890	.22580	2.20949
1.120	10.944	.59090	.13580	-.04242	.55438	.24551	2.25805
1.120	12.034	.65018	.13652	-.04482	.60743	.26908	2.25742
1.121	13.141	.71525	.13677	-.05021	.66542	.29579	2.24963
1.120	14.250	.78314	.13541	-.05538	.72572	.32401	2.23976
1.119	15.365	.85079	.13616	-.06303	.78430	.35673	2.19861
1.119	17.564	.97544	.13866	-.07491	.88812	.42656	2.08206
1.120	19.742	1.08240	.13769	-.08141	.97226	.49523	1.96327
GRADIENT		.06621	.00063	-.01376	.06354	.J0015	.39836

ELVN-L	ELVN-R
2.00925	-1.99075
2.00925	-1.99075
2.00925	-2.00075
2.00925	-2.00075
2.02924	-2.04077
2.00925	-2.02076
1.99925	-2.02076
1.99925	-2.03076
2.00925	-2.02076
2.03924	-2.02076
1.96926	-2.02076
1.94927	-2.03076
2.01924	-2.01075
1.99925	-2.04077
2.00925	-2.06077
1.99925	-2.01075
2.01924	-2.03076
2.00925	-2.01075
1.94927	-2.07078
1.97926	-2.00075
-.00098	-.00545

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 56/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.819	-.28993	.15322	.09981	-.27908	.17219	-1.62072	1.98925	-2.01101
1.201	-2.178	-.18198	.15346	.07396	-.17601	.16027	-1.09826	1.96926	-2.05103
1.201	-1.078	-.11029	.15306	.05654	-.10739	.15510	-.69239	2.04923	-2.00100
1.201	.019	-.04125	.15291	.04051	-.04130	.15290	-.27014	2.02924	-2.03102
1.201	1.116	.02652	.15265	.02546	.02354	.15313	.15373	2.00925	-2.04102
1.201	2.200	.09089	.15252	.01195	.08497	.15590	.54505	1.99925	-2.00100
1.201	3.310	.15856	.15232	-.00088	.14950	.16122	.92726	1.94927	-2.03102
1.201	4.407	.22256	.15185	-.01221	.21023	.16850	1.24765	2.00925	-2.02101
1.201	5.503	.28578	.15114	-.02313	.26997	.17785	1.51797	1.98925	-2.01101
1.200	6.606	.35259	.15024	-.03341	.33297	.18981	1.75425	2.00925	-2.03102
1.200	7.690	.41088	.14872	-.04022	.38728	.20237	1.91376	1.98925	-2.01101
1.199	8.799	.47041	.14625	-.04530	.44250	.21649	2.04394	1.97926	-2.08104
1.201	9.887	.52766	.14370	-.04905	.49515	.23217	2.13273	1.98925	-2.00100
1.200	11.002	.59052	.14214	-.05442	.55254	.25222	2.19072	1.97926	-2.02101
1.200	12.109	.65464	.14164	-.05975	.61036	.27582	2.21290	1.95927	-2.00100
1.200	13.222	.71642	.14164	-.06502	.66504	.30175	2.20396	1.96926	-2.00100
1.200	14.305	.77863	.14105	-.07065	.71964	.32906	2.18694	1.99925	-2.02101
1.200	15.418	.84223	.14246	-.07726	.77404	.36125	2.14265	1.98925	-2.01101
1.200	17.610	.96563	.14409	-.08940	.87679	.42948	2.04149	1.98925	-2.00100
1.201	19.809	1.07109	.14311	-.09115	.95921	.49761	1.92763	1.97926	-2.02101
GRADIENT		.06219	-.00018	-.01366	.05941	-.00031	.35765	-.00118	.00007

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 100/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.767	-.16110	.06425	-.00551	-.15653	.07469	-2.09564	7.00825	2.98373
.600	-2.113	-.08582	.06821	-.00667	-.08325	.07132	-1.16725	7.00825	2.97372
.600	-1.044	-.03448	.06963	-.00712	-.03320	.07024	-.47266	6.99825	2.97372
.600	-.002	.01255	.06994	-.00802	.01255	.06994	.17943	6.99825	2.99374
.600	1.055	.06297	.06929	-.00885	.06168	.07044	.87564	7.00825	2.98373
.600	2.114	.11533	.06765	-.01019	.11276	.07186	1.56916	6.97826	2.98373
.600	3.182	.16681	.06505	-.01102	.16294	.07421	2.19562	7.04824	2.99374
.600	4.244	.22151	.06128	-.01218	.21636	.07751	2.79152	7.03824	2.97372
.600	5.291	.27216	.05675	-.01345	.26576	.08161	3.25656	7.03824	3.00375
.600	6.351	.32529	.05132	-.01522	.31762	.08698	3.65139	7.03824	2.99374
.600	7.418	.38601	.04442	-.01727	.37704	.09399	4.01591	7.00825	2.99374
.600	8.478	.43914	.03813	-.01876	.42872	.10245	4.18468	6.96826	2.97372
.600	9.546	.49842	.03087	-.01967	.48640	.11310	4.30072	6.98825	2.98373
.600	10.614	.55665	.02389	-.01956	.54272	.12601	4.30702	6.98825	2.99374
.600	11.683	.61744	.01707	-.01987	.60120	.14175	4.24135	6.98825	2.97372
.600	12.730	.67182	.02158	-.02470	.65055	.16909	3.84744	7.00825	2.97372
.600	13.808	.73389	.02227	-.02791	.70736	.19678	3.59462	6.96826	2.98373
.600	14.878	.80012	.02316	-.03287	.76735	.22782	3.36824	6.98825	3.01377
.600	17.009	.92696	.02958	-.04554	.87777	.29944	2.93138	7.00825	2.99374
.600	19.142	1.04793	.03283	-.04963	.97922	.37465	2.61371	6.99825	3.00375
.600	GRADIENT	.04768	-.00041	-.00084	.04646	.00038	.62090	.00372	.00049

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 91/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.752	-.16958	.06614	-.00355	-.16489	.07709	-2.13883	7.00825	3.01377
.700	-2.136	-.09414	.06922	-.00504	-.09149	.07268	-1.25881	6.99825	3.03379
.699	-1.073	-.04390	.07060	-.00635	-.04257	.07141	-.59608	6.96826	3.02378
.699	-.004	.01010	.07102	-.00724	.01010	.07102	.14226	6.97826	3.02378
.700	1.062	.06217	.07032	-.00856	.06086	.07146	.85166	6.97826	3.01377
.699	2.127	.11437	.06863	-.01015	.11175	.07283	1.53443	7.03824	3.01377
.699	3.193	.16601	.06602	-.01150	.16208	.07516	2.15634	7.01825	3.01377
.700	4.278	.22505	.06212	-.01294	.21978	.07873	2.79157	7.03824	3.01377
.700	5.336	.27878	.05769	-.01439	.27221	.08337	3.26494	7.01825	3.00375
.700	6.410	.33715	.05233	-.01703	.32920	.08964	3.67228	7.00825	3.00375
.700	7.486	.39815	.04623	-.01966	.38874	.09771	3.97837	6.97826	2.99374
.700	8.565	.46118	.04029	-.02173	.45003	.10853	4.14675	6.96826	2.99374
.700	9.642	.52220	.03593	-.02391	.50881	.12290	4.14013	6.92827	2.97372
.700	10.702	.57703	.03603	-.02477	.56030	.14256	3.93013	7.01825	2.94368
.699	11.750	.61328	.04126	-.02337	.59203	.16528	3.58198	6.94826	2.96370
.700	12.830	.66869	.04284	-.02617	.64248	.19025	3.37697	6.95826	2.97372
.699	13.887	.72691	.04480	-.03088	.69491	.21795	3.18836	6.93827	2.96370
.700	14.986	.79779	.04250	-.03355	.75967	.24735	3.07123	6.96826	2.97372
.700	17.165	.95117	.04499	-.05036	.89552	.32370	2.76652	6.93827	2.96370
.700	19.305	1.05908	.04627	-.04911	.98423	.39381	2.49927	7.00825	3.00375
GRADIENT	.04905	.04905	-.00050	-.00118	.04781	.00026	.62680	.00527	-.00138

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 84/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.715	-.18915	.07020	.00340	-.18421	.08231	-2.23796	7.03912	2.97409
.800	-2.152	-.10733	.07220	.00069	-.10455	.07618	-1.37230	7.04912	3.00413
.800	-1.089	-.05435	.07328	-.00090	-.05295	.07430	-.71267	7.04912	2.99412
.801	.000	.00185	.07359	-.00238	.00185	.07359	.02510	7.03912	3.01414
.800	1.075	.05628	.07294	-.00426	.05490	.07398	.74205	7.04912	3.01414
.800	2.169	.11688	.07143	-.00666	.11409	.07580	1.50512	7.04912	2.99412
.800	3.231	.16970	.06937	-.00899	.16552	.07883	2.09984	7.05912	2.99412
.800	4.314	.23019	.06647	-.01218	.22454	.08360	2.68601	7.04912	2.99412
.800	5.389	.29256	.06319	-.01583	.28533	.09038	3.15691	7.04912	2.98410
.800	6.490	.35999	.06030	-.02051	.35087	.10060	3.48778	7.04912	2.97409
.799	7.568	.40981	.05885	-.02205	.39849	.11231	3.54825	7.04912	2.96408
.800	8.623	.46203	.05844	-.02259	.44804	.12705	3.52642	7.04912	2.92402
.800	9.699	.50756	.05860	-.02137	.49044	.14327	3.42308	7.00912	2.89398
.800	10.775	.55844	.05839	-.01957	.53768	.16176	3.32388	6.94913	2.89398
.799	11.852	.60636	.05968	-.01954	.58117	.18294	3.17677	6.83915	2.90399
.800	12.917	.67005	.06085	-.02478	.63949	.20909	3.05844	7.03912	3.00413
.800	14.006	.73324	.06369	-.03305	.69602	.23926	2.90910	7.02912	2.95406
.800	15.109	.81512	.06412	-.04345	.77023	.27438	2.80718	7.00912	2.90399
.799	17.276	.94403	.06675	-.05526	.88162	.34409	2.56214	6.94913	2.96408
.800	19.426	1.03769	.06995	-.05188	.95535	.41110	2.32388	6.96913	3.04419
	GRADIENT	.05202	-.00047	-.00187	.05071	.00023	.62945	.00141	.00114

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 78

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 79/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.926	-.24811	.08432	.02110	-.24176	.10111	-2.39111	7.01737	3.05344
.900	-2.213	-.14162	.08513	.01253	-.13823	.09054	-1.52678	7.00737	3.00338
.900	-1.124	-.07963	.08576	.00770	-.07794	.08731	-.89265	7.00737	3.01339
.899	-.027	-.01226	.08574	.00272	-.01221	.08574	-.14246	7.00737	3.01339
.900	1.067	.05361	.08591	-.00292	.05200	.08690	.59845	6.99738	3.03341
.900	2.156	.11571	.08600	-.00751	.11239	.09029	1.24474	7.00737	3.04342
.899	3.247	.17852	.08498	-.01203	.17342	.09496	1.82628	7.01737	3.01339
.901	4.345	.23796	.08508	-.01499	.23083	.10286	2.24414	7.02736	3.01339
.900	5.420	.29500	.08477	-.01730	.28568	.11226	2.54481	6.97738	3.01339
.900	6.500	.35258	.08439	-.02349	.34076	.12376	2.75331	6.97738	2.98336
.899	7.569	.40615	.08425	-.02569	.39151	.13702	2.85732	7.01737	3.00338
.900	8.662	.46101	.08456	-.02777	.44302	.15303	2.89506	6.97738	3.03341
.900	9.737	.52113	.08433	-.03350	.49936	.17126	2.91589	7.04736	2.98336
.899	10.821	.57245	.08510	-.03635	.54629	.19106	2.85920	6.94739	2.93330
.900	11.903	.63272	.08818	-.04463	.60093	.21679	2.77197	6.95739	3.07346
.900	12.990	.69755	.09010	-.05362	.65945	.24459	2.69614	6.96739	2.97335
.900	14.068	.76229	.09167	-.06197	.71714	.27420	2.61539	7.04736	3.02340
.900	15.169	.82671	.09186	-.06712	.77387	.30499	2.53734	6.96739	2.98336
.900	17.349	.94886	.09178	-.07325	.87832	.37054	2.37036	6.92740	2.96333
.900	19.511	1.05285	.09182	-.07302	.96172	.43819	2.19475	7.08734	2.97335
GRADIENT		.05887	.00007	-.00445	.05728	.00034	.58578	.00102	-.00153

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TABULATED SOURCE DATA - LA62

PAGE 79

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 76/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.919	-3.834	-.25982	.09282	.03174	-.25303	.10999	-2.30050	7.02736	3.01339
.920	-2.226	-.15430	.09389	.02039	-.15053	.09981	-1.50820	7.04736	3.05344
.920	-1.139	-.08524	.09399	.01213	-.08335	.09567	-.87127	7.04736	3.05344
.919	-.035	-.01822	.09400	.00457	-.01816	.09401	-.19319	7.00737	3.05344
.920	1.051	.05023	.09444	-.00314	.04849	.09534	.50859	7.00737	3.02340
.920	2.157	.11849	.09402	-.01036	.11487	.09841	1.16719	6.98738	3.04342
.920	3.255	.18750	.09381	-.01762	.18187	.10430	1.74370	6.98738	3.04342
.920	4.339	.24557	.09281	-.02244	.23785	.11112	2.14039	6.93740	3.02340
.919	5.427	.30402	.09204	-.02508	.29395	.12038	2.44176	6.98738	3.00338
.920	6.518	.36687	.09166	-.03024	.35409	.13271	2.66812	6.96739	2.98336
.920	7.601	.42058	.09097	-.03155	.40485	.14580	2.77680	6.93740	3.04342
.920	8.684	.47395	.09161	-.03229	.45469	.16212	2.80471	6.98738	2.98336
.921	9.767	.54155	.09135	-.04137	.51820	.18190	2.84885	6.98738	2.97335
.920	10.856	.59624	.09230	-.04545	.56819	.20295	2.79967	6.94739	2.99337
.920	11.928	.65105	.09624	-.05531	.61710	.22872	2.69911	6.91741	3.03341
.920	13.020	.71786	.09762	-.06351	.67741	.25684	2.63747	6.98738	2.98336
.919	14.103	.77887	.09848	-.07100	.73139	.28530	2.56358	6.97738	2.97335
.920	15.212	.84859	.09946	-.07922	.79276	.31864	2.48798	6.93740	2.97335
.920	17.388	.97695	.09950	-.08969	.90257	.38691	2.33279	6.94739	2.96333
.920	19.561	1.07881	.09854	-.08738	.98356	.45405	2.16618	6.98738	2.97335
GRADIENT		.06205	.00001	-.00675	.06030	.00032	.56628	-.01134	-.00016

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 OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 63/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.951	-3.899	-.27838	.11315	.04896	-.27004	.13181	-2.04866	7.02736	3.01339
.951	-2.185	-.16357	.11272	.02897	-.15916	.11887	-1.33890	7.01737	3.00338
.951	-1.077	-.08623	.11289	.01822	-.08409	.11450	-.73444	6.99738	3.01339
.951	.019	-.01749	.11247	.00877	-.01753	.11246	-.15585	7.01737	3.03341
.951	1.119	.05416	.11217	-.00119	.05196	.11321	.45898	7.02736	3.02340
.951	2.215	.12344	.11151	-.01116	.11903	.11619	1.02444	6.99738	3.03341
.950	3.312	.19346	.11020	-.02115	.18677	.12119	1.54115	7.01737	3.04342
.950	4.423	.26556	.10916	-.03122	.25635	.12931	1.98239	7.03736	3.00338
.951	5.501	.32856	.10792	-.03942	.31670	.13893	2.27962	7.00737	3.01339
.950	6.598	.39409	.10580	-.04547	.37932	.15038	2.52249	6.97738	3.00338
.950	7.688	.45385	.10429	-.04927	.43582	.16407	2.65630	6.96739	3.02340
.950	8.778	.51464	.10343	-.05414	.49283	.18076	2.72647	6.98738	3.03341
.950	9.867	.57398	.10388	-.05851	.54769	.20070	2.72894	6.94739	3.02340
.950	10.955	.63470	.10460	-.06470	.60325	.22331	2.70139	6.99738	2.95332
.950	12.044	.69757	.10634	-.07205	.66003	.24956	2.64479	7.00737	2.96333
.950	13.132	.75975	.10775	-.07966	.71541	.27754	2.57770	6.97738	3.01339
.950	14.213	.82269	.10849	-.08584	.77087	.30717	2.50962	6.97738	2.98336
.951	15.323	.89017	.10896	-.09170	.82973	.34033	2.43802	7.02736	3.00338
.950	16.410	.95516	.10944	-.09983	.89319	.40981	2.28201	6.99738	3.00338
.950	17.510	1.01516	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	18.697	1.13556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	19.697	1.25556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	20.697	1.37556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	21.697	1.49556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	22.697	1.61556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	23.697	1.73556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	24.697	1.85556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	25.697	1.97556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	26.697	2.09556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	27.697	2.21556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	28.697	2.33556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	29.697	2.45556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	30.697	2.57556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	31.697	2.69556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	32.697	2.81556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	33.697	2.93556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	34.697	3.05556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	35.697	3.17556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	36.697	3.29556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	37.697	3.41556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	38.697	3.53556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	39.697	3.65556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	40.697	3.77556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	41.697	3.89556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	42.697	4.01556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	43.697	4.13556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	44.697	4.25556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	45.697	4.37556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	46.697	4.49556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	47.697	4.61556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	48.697	4.73556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	49.697	4.85556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	50.697	4.97556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	51.697	5.09556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	52.697	5.21556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	53.697	5.33556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	54.697	5.45556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	55.697	5.57556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	56.697	5.69556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	57.697	5.81556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	58.697	5.93556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	59.697	6.05556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	60.697	6.17556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	61.697	6.29556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	62.697	6.41556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	63.697	6.53556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	64.697	6.65556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	65.697	6.77556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	66.697	6.89556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	67.697	7.01556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	68.697	7.13556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	69.697	7.25556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	70.697	7.37556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	71.697	7.49556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	72.697	7.61556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	73.697	7.73556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	74.697	7.85556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	75.697	7.97556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	76.697	8.09556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	77.697	8.21556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	78.697	8.33556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	79.697	8.45556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	80.697	8.57556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	81.697	8.69556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	82.697	8.81556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	83.697	8.93556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	84.697	9.05556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	85.697	9.17556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	86.697	9.29556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	87.697	9.41556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	88.697	9.53556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	89.697	9.65556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	90.697	9.77556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	91.697	9.89556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	92.697	10.01556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	93.697	10.13556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	94.697	10.25556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	95.697	10.37556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	96.697	10.49556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	97.697	10.61556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	98.697	10.73556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	99.697	10.85556	.11069	-.10389	1.03181	.48695	2.11893	7.06735	3.01339
.950	100.697	10.97556	.11069	-.10389</					

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

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 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 70/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.914	-.27618	.13506	.05650	-.26631	.15359	-1.73389	6.99738	3.01339
.980	-2.234	-.16544	.13336	.03637	-.16012	.13971	-1.14608	7.03736	3.02340
.980	-1.139	-.09088	.13378	.02521	-.08820	.13557	-.65059	7.02736	3.01339
.980	-.034	-.02355	.13347	.01589	-.02347	.13348	-.17585	6.99738	3.01339
.980	1.059	.04960	.13364	.00513	.04713	.13454	.35028	6.97738	3.01339
.980	2.179	.12096	.13333	-.00538	.11580	.13784	.84013	7.00737	3.00338
.980	3.272	.19397	.13282	-.01633	.18607	.14368	1.29505	6.96739	3.02340
.980	4.371	.26556	.13211	-.02770	.25472	.15197	1.67615	7.00737	2.99337
.980	5.468	.33455	.13124	-.03780	.32052	.16253	1.97209	6.93740	2.99337
.980	6.559	.39784	.12992	-.04579	.38039	.17452	2.17973	6.97738	2.97335
.980	7.659	.46671	.12886	-.05416	.44537	.18992	2.34511	6.97738	2.95332
.980	8.750	.52799	.12819	-.06036	.50235	.20702	2.42662	7.00737	2.95332
.980	9.845	.59299	.12903	-.06737	.56220	.22852	2.46016	6.97738	2.97335
.980	10.937	.65601	.13090	-.07433	.61926	.25299	2.44778	6.97738	3.03341
.980	12.020	.72018	.13171	-.08117	.67696	.27880	2.42806	6.95739	3.00338
.980	13.113	.78330	.13403	-.08824	.73247	.30824	2.37629	6.96739	2.97335
.980	14.227	.85188	.13298	-.09316	.79307	.33826	2.34457	6.94739	2.97335
.980	15.306	.91152	.13401	-.09821	.84381	.36988	2.28135	6.94739	2.99337
.980	17.524	1.04214	.13395	-.10921	.95344	.44153	2.15941	6.94739	2.98336
.980	19.703	1.16867	.13463	-.11958	1.05486	.52076	2.02562	6.96739	2.98336
GRADIENT		.06523	-.00026	-.00992	.06277	.00004	.42467	-.00350	-.00170

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 66/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-3.815	-.26193	.14824	.06542	-.25148	.16533	-1.52107	7.05735	3.00338
1.121	-2.225	-.15790	.14763	.04589	-.15205	.15364	-.98963	6.98738	3.00338
1.121	-1.127	-.08155	.14717	.02979	-.07864	.14874	-.52871	7.01737	2.99337
1.120	-.013	-.00646	.14779	.01332	-.00643	.14779	-.04351	7.02736	2.98336
1.120	1.090	.06745	.14880	-.00249	.06460	.15006	.43051	6.99738	2.98336
1.120	2.190	.13767	.14943	-.01667	.13186	.15458	.85299	6.99738	2.95332
1.120	3.289	.20609	.15011	-.02932	.19714	.16168	1.21932	6.97738	3.00338
1.120	4.387	.27318	.15055	-.04104	.26086	.17100	1.52548	6.96739	2.99337
1.121	5.488	.34067	.15076	-.05183	.32469	.18265	1.77766	6.99738	3.01339
1.120	6.590	.40157	.15004	-.06031	.38169	.19514	1.95599	6.96739	2.98336
1.120	7.681	.46648	.14890	-.06843	.44240	.20992	2.10750	6.95739	2.96333
1.120	8.775	.52439	.14634	-.07311	.49592	.22463	2.20775	6.98738	2.99337
1.121	9.875	.58510	.14378	-.07802	.55177	.24199	2.28014	6.98738	2.99337
1.120	10.974	.64603	.14175	-.08205	.60723	.26214	2.31643	7.03736	3.02340
1.120	12.068	.70841	.14219	-.08531	.66302	.28716	2.30893	6.97738	3.00338
1.120	13.179	.77022	.14253	-.08992	.71744	.31438	2.28207	7.03736	2.97335
1.120	14.291	.84089	.14257	-.09760	.77968	.34572	2.25521	7.00737	2.93337
1.120	15.408	.91161	.14433	-.10698	.84049	.38135	2.20397	6.98738	2.97335
1.121	17.595	1.03382	.14807	-.11856	.94070	.45364	2.07366	6.93740	2.98336
1.120	19.766	1.14397	.14551	-.12562	1.02737	.52380	1.96137	6.97738	3.02340
GRADIENT		.06560	.00037	-.01329	.06286	.00092	.38508	-.00818	-.00203

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 55/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.801	-.23908	.15568	.06286	-.22823	.17119	-1.33324	6.95739	3.03341
1.200	-2.155	-.13579	.15633	.03887	-.12982	.16132	-.80470	6.99738	2.99337
1.200	-1.065	-.06527	.15666	.02277	-.06235	.15784	-.39499	6.95739	2.98336
1.200	.044	.00482	.15701	.00669	.00470	.15701	.02994	6.95739	2.96333
1.201	1.140	.07073	.15673	-.00735	.06760	.15811	.42757	6.96739	3.02340
1.201	2.233	.13448	.15625	-.02023	.12829	.16138	.79498	6.98738	3.00338
1.201	3.322	.20073	.15559	-.03278	.19138	.16696	1.14624	6.94739	2.98336
1.201	4.416	.26369	.15518	-.04401	.25096	.17502	1.43389	6.96739	2.96333
1.201	5.524	.32837	.15498	-.05539	.31193	.18587	1.67823	6.96739	2.97335
1.201	6.635	.39427	.15422	-.06588	.37381	.19874	1.88090	6.95739	2.98336
1.201	7.724	.45627	.15274	-.07370	.43160	.21268	2.02934	6.95739	2.98336
1.200	8.816	.51858	.15074	-.08075	.48936	.22843	2.14225	6.99738	3.03341
1.200	9.916	.58039	.14906	-.08727	.54605	.24678	2.21267	7.00737	2.98336
1.201	11.032	.64076	.14681	-.08991	.60083	.26671	2.25278	6.95739	3.02340
1.200	12.145	.70333	.14680	-.09531	.65670	.29149	2.25293	6.95739	3.00338
1.201	13.250	.76762	.14741	-.10219	.71339	.31943	2.23332	7.01737	3.01339
1.201	14.338	.82619	.14855	-.10693	.76367	.34852	2.19117	6.97738	2.97335
1.201	15.441	.89017	.14987	-.11405	.81813	.38147	2.14470	7.01737	3.01339
1.200	17.647	1.01564	.15071	-.12639	.92216	.45151	2.04240	6.95739	3.00338
1.200	19.822	1.12099	.15091	-.12976	1.00340	.52209	1.92190	6.99738	3.00338
1.200	GRADIENT	.06123	-.00008	-.01306	.05839	.00059	.34517	-.00070	-.00459

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 101/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.732	-.09730	.07108	-.03967	-.09247	.07726	-1.19685	12.00700	8.02003
.600	-2.082	-.01730	.07508	-.04098	-.01456	.07566	-.19246	11.99700	8.00000
.600	-1.025	.03305	.07641	-.04171	.03441	.07581	.45397	11.98700	8.01001
.600	.039	.08134	.07641	-.04260	.08129	.07647	1.06299	11.99700	7.95995
.600	1.105	.13082	.07556	-.04362	.12933	.07807	1.65674	11.97701	7.97997
.600	2.153	.18303	.07383	-.04502	.18013	.08066	2.23324	11.97701	8.00000
.600	3.197	.23149	.07131	-.04629	.22715	.08411	2.70070	11.96701	8.00000
.600	4.267	.28396	.06765	-.04756	.27814	.08659	3.13955	12.00700	7.98999
.600	5.342	.34225	.06269	-.04928	.33492	.09428	3.55231	11.97701	8.00000
.600	6.379	.39437	.05731	-.05175	.38556	.10077	3.82612	11.97701	7.96996
.601	7.462	.45940	.05034	-.05511	.44897	.10957	4.09742	11.99700	7.98999
.600	8.537	.51921	.04356	-.05776	.50699	.12016	4.21930	11.98700	8.01001
.600	9.595	.58113	.03682	-.06104	.56686	.13317	4.25660	11.97701	7.98999
.600	10.650	.63942	.03061	-.06288	.62275	.14826	4.20047	11.97701	8.00000
.600	11.727	.70741	.02439	-.06528	.68769	.16766	4.10166	11.97701	7.98999
.600	12.801	.76746	.02255	-.06913	.74339	.19204	3.87110	11.97701	7.98999
.600	13.868	.83011	.02792	-.07273	.79922	.22607	3.53527	11.97701	8.06008
.600	14.933	.89020	.03035	-.07757	.85231	.25872	3.29440	11.98700	8.05006
.600	17.059	1.01155	.03965	-.08787	.95541	.33465	2.85494	11.98700	7.98999
.600	19.188	1.12748	.04281	-.09203	1.05078	.41100	2.55665	11.99700	8.00000
	GRADIENT	.04746	-.00050	-.00099	.04612	.00143	.54725	-.00224	-.00255

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BOFLAP = .000
ELEVON = 10.000 AILRON = 2.000

RUN NO. 90/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.762	-.10686	.07272	-.03668	-.10186	.07957	-1.28012	11.97701	8.00000
.701	-2.097	-.03082	.07606	-.03880	-.02802	.07714	-.36320	11.98700	8.00000
.701	-1.029	.02260	.07749	-.04027	.02399	.07708	.31121	11.98700	7.98999
.701	.035	.07326	.07780	-.04153	.07321	.07784	.94051	11.97701	8.00000
.700	1.106	.13016	.07688	-.04347	.12865	.07938	1.62066	11.98700	8.00000
.700	2.172	.18224	.07518	-.04529	.17926	.08204	2.18511	11.97701	7.98999
.700	3.245	.24049	.07214	-.04724	.23602	.08564	2.75600	11.97701	7.98999
.699	4.308	.29126	.06880	-.04911	.28526	.09049	3.15247	12.00700	7.98999
.699	5.369	.34737	.06416	-.05122	.33984	.09638	3.52608	11.98700	7.98999
.700	6.454	.40830	.05874	-.05473	.39911	.10427	3.82765	11.94701	7.96996
.699	7.532	.47265	.05299	-.05958	.46163	.11449	4.03202	11.97701	7.97997
.700	8.617	.54143	.04758	-.06447	.52819	.12817	4.12113	11.98700	7.98999
.700	9.691	.61097	.04343	-.06951	.59494	.14566	4.08451	11.97701	7.98999
.700	10.763	.66053	.04445	-.07039	.64061	.16702	3.83550	11.97701	7.96996
.700	11.822	.70490	.04789	-.06902	.68013	.19129	3.55556	11.98700	8.02003
.699	12.879	.75829	.04861	-.07035	.72838	.21640	3.36586	11.96701	8.00000
.699	13.947	.81336	.05107	-.07309	.77708	.24560	3.16396	12.00700	8.01001
.699	15.040	.88219	.05180	-.07703	.83853	.27895	3.00606	12.00700	7.98999
.700	17.212	1.03156	.05525	-.09468	.96902	.35803	2.70654	11.97701	8.01001
.699	19.349	1.13429	.05735	-.09106	1.05123	.42991	2.44521	11.99700	8.00000
	GRADIENT	.04979	-.00053	-.00155	.04843	.00139	.56430	.00150	-.00127

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 14°C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMPP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.8800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 83/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.724	-.13765	.07669	-.02752	-.13238	.08547	-1.54882	11.99850	8.01102
.800	-2.129	-.05323	.07884	-.03147	-.05026	.08077	-.62231	12.02850	8.03104
.801	-1.038	.00562	.08021	-.03369	.00707	.08009	.08830	12.00850	8.01102
.800	.047	.06046	.08049	-.03599	.06039	.08054	.74989	12.00850	8.04106
.800	1.100	.11397	.08005	-.03890	.11242	.08223	1.36712	12.02850	8.02103
.800	2.200	.17993	.07852	-.04231	.17678	.08537	2.07084	12.00850	8.00100
.800	3.265	.23546	.07656	-.04593	.23072	.08985	2.56787	12.01850	8.00100
.801	4.338	.29647	.07374	-.04982	.29004	.09595	3.02284	11.98850	8.00100
.800	5.447	.36371	.07031	-.05493	.35539	.10451	3.40043	11.97850	7.97096
.800	6.543	.42951	.06763	-.06097	.41901	.11614	3.60791	11.96850	7.94092
.801	7.613	.48774	.06626	-.06439	.47467	.13029	3.64312	11.98850	8.00100
.800	8.686	.54135	.06552	-.06594	.52524	.14652	3.58469	11.95851	7.98097
.800	9.756	.58898	.06659	-.06561	.56918	.16542	3.44077	11.97850	7.98097
.799	10.815	.63772	.06658	-.06493	.61390	.18506	3.31736	11.94851	7.98097
.800	11.910	.68962	.06865	-.06534	.66061	.20950	3.15330	11.96850	8.07110
.800	12.981	.75224	.07005	-.07050	.71729	.23724	3.02352	11.96850	8.00100
.800	14.057	.82032	.07336	-.07974	.77793	.27041	2.87689	11.96850	7.98097
.800	15.165	.90047	.07462	-.09167	.84959	.30758	2.76219	11.94851	8.07110
.800	17.321	1.02604	.07829	-.10189	.95620	.38022	2.51486	12.03850	7.98097
.800	19.457	1.10717	.08036	-.09334	1.01717	.44456	2.28802	11.93851	8.06108
GRADIENT	.05370	-.00037	-.00272	.05226	.00138	.57958	-.00090	-.00271	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 78/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.906	-.21492	.09020	-.00020	-.20827	.10463	-1.99048	11.96551	8.00901
.900	-2.193	-.10488	.09188	-.01152	-.10129	.09583	-1.05704	11.99550	8.03904
.900	-1.094	-.03530	.09244	-.01771	-.03353	.09309	-.36021	11.99550	8.04905
.900	-.003	.02834	.09301	-.02314	.02834	.09301	.30474	11.98551	8.02903
.900	1.085	.09959	.09316	-.03148	.09781	.09503	1.02924	11.99550	8.02903
.900	2.185	.16543	.09314	-.03978	.16176	.09938	1.62762	11.98551	8.01902
.900	3.279	.23427	.09276	-.04811	.22858	.10601	2.15633	11.98551	8.01902
.900	4.378	.30479	.09217	-.05568	.29686	.11517	2.57763	11.97551	7.98899
.900	5.465	.36565	.09236	-.06063	.35519	.12676	2.80205	11.97551	8.01902
.900	6.559	.42906	.09284	-.06986	.41565	.14124	2.94277	11.98551	7.98899
.900	7.638	.49142	.09301	-.07533	.47469	.15750	3.01388	12.00550	8.02903
.900	8.719	.54630	.09366	-.07817	.52579	.17539	2.99786	11.97551	7.98899
.900	9.811	.61168	.09348	-.08424	.58681	.19634	2.98872	11.99550	7.99900
.899	10.885	.66446	.09521	-.08936	.63452	.21897	2.89780	11.97551	8.02903
.900	11.964	.72275	.09643	-.09673	.68665	.24611	2.78996	11.99550	7.98899
.900	13.049	.78557	.10102	-.10527	.74248	.27579	2.69223	12.04548	8.02903
.900	14.132	.84581	.10228	-.11159	.79524	.30570	2.60139	11.97551	7.97898
.900	15.227	.91249	.10343	-.11718	.85329	.33946	2.51367	11.99550	8.01902
.900	17.405	1.03240	.10530	-.12278	.95363	.40930	2.32992	11.98551	7.99900
.901	19.539	1.12617	.10576	-.11814	1.02595	.47631	2.15396	12.02549	7.98899
GRADIENT		.06242	.00023	-.00670	.06069	.00139	.56893	.00022	-.00311

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 77/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.926	-.23718	.09750	.01407	-.22995	.11351	-2.02581	12.01549	7.97898
.919	-2.209	-.12158	.09925	-.00271	-.11766	.10387	-1.13286	11.98551	8.04906
.920	-1.106	-.04592	.10042	-.01320	-.04397	.10129	-.43416	11.97551	8.01902
.920	-.013	.02272	.10125	-.02298	.02275	.10124	.22468	11.98551	8.01902
.920	1.093	.10040	.10155	-.03395	.09854	.10345	.95255	11.98551	8.01902
.920	2.187	.17002	.10185	-.04432	.16601	.10826	1.53345	11.97551	8.00901
.920	3.285	.24216	.10169	-.05440	.23594	.11541	2.04444	12.02549	7.99900
.920	4.381	.31280	.10093	-.06446	.30417	.12453	2.41255	12.01549	7.98899
.920	5.473	.37797	.10116	-.07171	.36660	.13675	2.68090	12.05548	7.96897
.920	6.573	.44044	.10090	-.07695	.42599	.15065	2.82763	11.95552	8.02903
.920	7.637	.49710	.10038	-.08042	.47935	.16555	2.89550	11.95552	7.97898
.920	8.732	.55782	.10154	-.08742	.53594	.18505	2.89625	11.97551	7.98899
.920	9.814	.62106	.10173	-.09232	.59463	.20610	2.88509	11.96551	7.99900
.920	10.915	.68451	.10267	-.09880	.65268	.23043	2.83251	11.99550	8.00901
.920	11.979	.74020	.10582	-.10708	.70212	.25715	2.73039	11.93552	7.99900
.920	13.063	.80100	.10769	-.11484	.75593	.28594	2.64364	12.02549	7.96897
.920	14.153	.86326	.10886	-.12015	.81044	.31663	2.55958	11.98551	7.96897
.920	15.267	.92988	.11017	-.12689	.86805	.35114	2.47209	11.95552	7.94894
.920	17.436	1.05186	.11181	-.13594	.97603	.42185	2.29946	11.94552	7.97898
.920	19.592	1.14770	.11316	-.13136	1.04330	.49146	2.12287	12.00550	8.02903
GRADIENT		.06621	.00044	-.00945	.06434	.00150	.55726	.00174	-.00172

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.6000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 64/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.808	-.22294	.12115	.01138	-.21440	.13569	-1.58008	11.97551	7.99900
.951	-2.157	-.10960	.12112	-.00898	-.10496	.12516	-.83866	11.98551	8.01902
.950	-1.057	-.03679	.12091	-.01997	-.03455	.12157	-.28420	11.98551	8.02903
.950	.047	.03834	.12116	-.03106	.03824	.12119	.31558	11.99550	8.02903
.950	1.130	.10728	.12122	-.04230	.10487	.12331	.85042	11.98551	8.02903
.950	2.243	.18267	.12084	-.05409	.17780	.12789	1.39025	11.99550	8.01902
.950	3.341	.25401	.11978	-.06548	.24660	.13438	1.83519	11.98551	8.01902
.950	4.443	.32899	.11877	-.07717	.31880	.14390	2.21545	11.97551	7.99900
.950	5.521	.40093	.11761	-.08896	.39775	.15564	2.49142	12.00550	7.97898
.950	6.651	.47056	.11561	-.09708	.45400	.16933	2.68117	11.99550	7.98899
.950	7.742	.53143	.11386	-.10156	.51125	.18441	2.77235	12.03549	7.99900
.950	8.820	.59020	.11359	-.10541	.56581	.20274	2.79081	12.04548	7.98899
.950	9.913	.65341	.11340	-.11116	.62414	.22419	2.78401	11.98551	7.98899
.950	11.020	.72032	.11382	-.11768	.68528	.24941	2.74763	11.98551	8.00901
.950	12.081	.77729	.11560	-.12373	.73588	.27572	2.66890	11.96551	7.98899
.950	13.181	.83957	.11812	-.12998	.79051	.30646	2.57953	11.96551	8.01902
.949	14.271	.90095	.11941	-.13513	.84371	.33782	2.49751	11.96551	7.97898
.950	15.372	.96824	.12079	-.14073	.90158	.37313	2.41623	11.96551	8.01902
.950	17.539	1.08268	.12251	-.14404	.99543	.44309	2.24656	12.02549	7.97898
.950	19.724	1.19092	.12458	-.14293	1.07900	.51920	2.07821	12.07547	7.98899
GRADIENT		.06662	-.00024	-.01057	.06439	.00118	.47298	.00030	-.00011

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP * 1076.7000 IN. XO
 LREF * 474.8000 INCHES YMRP * .0000 IN. YO
 BREF * 936.6800 INCHES ZMRP * 375.0000 IN. ZO
 SCALE * .0150

PARAMETRIC DATA

BETA * .000 SPDBRK * 25.000
 RUDDER * .000 BDFLAP * .000
 ELEVON * 10.000 AILRON * 2.000

RUN NO. 69/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.979	-3.817	-.21996	.14369	.01497	-.20990	.15801	-1.32840	11.95552	7.99900
.980	-2.219	-.11028	.14279	-.00514	-.10467	.14695	-.71225	12.00550	8.00901
.979	-1.103	-.03390	.14246	-.01719	-.03115	.14309	-.21768	11.99550	8.00901
.979	-.002	.03809	.14227	-.02785	.03809	.14227	.26775	11.97551	8.01902
.979	1.093	.10654	.14237	-.03860	.10381	.14437	.71900	12.02549	8.00901
.980	2.194	.17905	.14282	-.05010	.17345	.14956	1.15970	11.99550	7.99900
.980	3.299	.25451	.14201	-.06206	.24592	.15641	1.57221	11.99550	7.99900
.979	4.399	.32740	.14108	-.07377	.31561	.16578	1.90377	11.99550	7.99900
.979	5.500	.40134	.14087	-.08661	.38599	.17859	2.16006	12.01549	7.98899
.979	6.601	.47299	.14008	-.09750	.45375	.19352	2.34477	12.02549	7.99900
.979	7.698	.54061	.13854	-.10578	.51718	.20971	2.46613	11.89554	7.99900
.979	8.802	.60406	.13774	-.11257	.57587	.22854	2.51976	12.00550	7.97898
.979	9.889	.67052	.13812	-.11970	.63683	.25122	2.53500	11.99550	7.96897
.979	10.984	.73567	.13870	-.12693	.69577	.27633	2.51794	11.94552	7.98899
.979	12.068	.79922	.14153	-.13307	.75196	.30550	2.46142	12.02549	7.99900
.979	13.175	.86494	.14345	-.13937	.80948	.33682	2.40334	11.94552	7.94894
.979	14.261	.92991	.14353	-.14541	.86589	.36817	2.35187	11.94552	7.97898
.979	15.363	.98850	.14416	-.14819	.91499	.40089	2.28243	11.99550	7.95895
.980	17.555	1.11179	.14742	-.15461	1.01554	.47590	2.13392	11.98551	7.99900
.980	19.735	1.22670	.14753	-.15896	1.10483	.55309	1.99756	11.93552	8.00901
GRADIENT		.06625	-.00022	-.01058	.06363	.00116	.40224	.00314	-.00084

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 65/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.122	-3.815	-.21515	.15869	.02928	-.20412	.17266	-1.18223	12.00550	8.01902
1.120	-2.202	-.10830	.15708	.00787	-.10218	.16112	-.63420	12.01549	8.00901
1.119	-1.097	-.03336	.15714	-.00785	-.03034	.15775	-.19234	12.00550	7.99900
1.120	.007	.04141	.15749	-.02413	.04139	.15750	.26279	12.00550	7.98899
1.119	1.113	.11690	.15791	-.04023	.11381	.16015	.71065	12.04548	8.01902
1.120	2.213	.18744	.15849	-.05466	.18118	.16561	1.09406	11.98551	7.99900
1.119	3.309	.25430	.15856	-.06744	.24472	.17298	1.41477	11.93552	7.97898
1.120	4.412	.32572	.15938	-.08029	.31249	.18397	1.69860	11.92553	8.02903
1.121	5.508	.39124	.15976	-.09194	.37410	.19657	1.90309	11.96551	7.99900
1.119	6.609	.45986	.15903	-.10317	.43850	.21090	2.07920	11.98551	8.00901
1.119	7.704	.52260	.15827	-.11241	.49667	.22690	2.18891	11.99550	8.00901
1.120	8.811	.58973	.15647	-.11955	.55881	.24495	2.28132	12.00550	7.97898
1.120	9.913	.65224	.15409	-.12428	.61597	.26408	2.33256	11.98551	8.00901
1.120	11.013	.71204	.15125	-.12718	.67003	.28449	2.35516	11.98551	8.00901
1.119	12.104	.77331	.14983	-.13089	.72470	.30866	2.34789	11.97551	8.00901
1.120	13.218	.83581	.15155	-.13491	.77902	.33865	2.30038	12.00550	7.98899
1.119	14.319	.90540	.15173	-.14108	.83975	.37094	2.26383	11.99550	7.99900
1.119	15.436	.97458	.15317	-.14936	.89866	.40703	2.20783	11.99550	7.93893
1.120	17.620	1.09281	.15534	-.15840	.99452	.47886	2.07685	11.98551	8.04906
1.119	19.810	1.20201	.15365	-.16426	1.07880	.55192	1.95463	12.00550	7.99900
GRADIENT		.06591	.00016	-.01352	.06301	.00158	.36121	-.00991	-.00063

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 54/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.779	-.19433	.16421	.02918	-.18309	.17666	-1.03639	12.01549	8.03904
1.201	-2.132	-.09040	.16495	.00524	-.08420	.16819	-.50063	12.00550	7.98899
1.201	-1.035	-.02205	.16542	-.01033	-.01906	.16579	-.11496	12.01549	7.97898
1.201	.065	.04836	.16592	-.02641	.04817	.16597	.29023	11.94552	7.99900
1.201	1.158	.11337	.16625	-.04050	.10999	.16851	.65268	11.99550	7.98899
1.201	2.256	.17990	.16535	-.05396	.17326	.17230	1.00554	11.97551	7.97898
1.201	3.353	.24577	.16430	-.06730	.23574	.17839	1.32152	11.96551	7.97898
1.201	4.462	.31306	.16418	-.08018	.29933	.18804	1.59189	11.97551	7.99900
1.200	5.548	.37711	.16378	-.09224	.35951	.19947	1.80235	11.97551	7.98899
1.200	6.646	.44131	.16290	-.10294	.41949	.21288	1.97053	11.97551	7.99900
1.200	7.738	.50620	.16184	-.11224	.47980	.22852	2.09962	11.98551	7.98899
1.200	8.853	.57241	.16037	-.12094	.54092	.24655	2.19398	12.00550	8.01902
1.201	9.960	.63745	.15852	-.12748	.60042	.26639	2.25396	11.98551	7.98899
1.201	11.073	.69942	.15663	-.13260	.65631	.28805	2.27851	11.97551	8.00901
1.200	12.164	.75839	.15504	-.13635	.70870	.31135	2.27618	11.97551	8.01902
1.200	13.275	.82731	.15534	-.14429	.76954	.34115	2.25572	11.96551	8.00901
1.200	14.364	.88689	.15687	-.14927	.82025	.37198	2.20509	11.99550	8.00901
1.200	15.473	.94750	.15756	-.15522	.87112	.40464	2.15286	11.97551	7.98899
1.200	16.674	1.06663	.15829	-.16360	.96823	.47465	2.03989	12.01549	7.97898
1.200	17.851	1.17142	.15833	-.16535	1.04804	.54671	1.91700	11.97551	7.99900
1.200	19.851	.06147	-.00002	-.01328	.05048	.00149	.32538	-.00576	-.00383

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3017) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 GDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 89/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.649	-.10588	.07255	-.03535	-.10105	.07914	-1.27682	11.98850	7.98097
.700	-2.075	-.03108	.07583	-.03733	-.02831	.07690	-.36814	11.98850	7.99099
.701	-1.020	.02026	.07716	-.03852	.02163	.07678	.28169	11.98850	7.98097
.701	.046	.07267	.07755	-.03992	.07260	.07761	.93555	11.99850	8.04106
.701	1.115	.12695	.07678	-.04153	.12543	.07924	1.58301	11.99850	8.02103
.700	2.170	.17922	.07518	-.04375	.17624	.08191	2.15174	11.99850	8.02103
.700	3.246	.23170	.07255	-.04547	.22722	.08556	2.65571	11.99850	8.02103
.700	4.318	.28844	.06887	-.04723	.28243	.09039	3.12478	11.99850	8.02103
.701	5.393	.34743	.06405	-.04957	.33988	.09642	3.52504	12.01850	8.01102
.701	6.466	.40674	.05879	-.05314	.39753	.10422	3.81449	12.01850	8.00100
.700	7.543	.47070	.05307	-.05774	.45967	.11440	4.01803	11.99850	7.99099
.701	8.631	.54174	.04729	-.06270	.52851	.12805	4.12721	11.96850	7.97096
.701	9.723	.60934	.04349	-.06768	.59324	.14578	4.06956	12.00850	7.97096
.701	10.768	.66001	.04488	-.06833	.64001	.16741	3.82311	11.97850	7.97096
.701	11.828	.69895	.04850	-.06739	.67416	.19074	3.53447	12.02850	7.99099
.701	12.902	.75671	.04978	-.06910	.72650	.21748	3.34052	11.95851	8.03104
.701	13.975	.81454	.05085	-.07068	.77815	.24605	3.16252	11.98850	7.97096
.701	15.045	.88110	.05183	-.07521	.83744	.27877	3.00402	12.00850	7.98097
.700	17.225	1.02976	.05521	-.09267	.96723	.35767	2.70425	12.01850	7.98097
.701	19.368	1.13630	.05734	-.08916	1.05298	.43093	2.44348	11.94851	7.96095
GRADIENT		.04949	-.00049	-.00151	.04813	.00145	.56176	.00161	.00575

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 106/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.599	-3.784	-.38545	.07528	.10568	-.37968	.10042	-3.78082	.02000	-20.00000
.600	-2.263	-.30954	.07884	.10138	-.30619	.09100	-3.36464	.02000	-20.01001
.600	-1.198	-.25967	.08082	.09955	-.25792	.08623	-2.99110	.03000	-20.03003
.600	-.161	-.20870	.08172	.09834	-.20847	.08231	-2.53278	.02000	-20.02002
.600	.905	-.15847	.08158	.09683	-.15974	.07907	-2.02032	.02000	-20.03003
.600	1.965	-.10490	.08057	.09534	-.10760	.07693	-1.39879	.01000	-20.07007
.600	3.008	-.05680	.07838	.09347	-.06083	.07530	-.80790	.00000	-19.95996
.600	4.072	.00089	.07521	.09181	-.00445	.07509	-.05927	.02000	-19.96997
.599	5.141	.05344	.07090	.09053	.04687	.07540	.62155	.02000	-19.97998
.600	6.201	.10611	.06584	.08960	.09837	.07692	1.27894	.04000	-19.97998
.600	7.261	.15884	.05987	.08835	.15000	.07946	1.88765	.03000	-19.96997
.599	8.310	.21153	.05339	.08749	.20159	.08340	2.41700	.02000	-19.96997
.600	9.387	.26854	.04633	.08760	.25738	.08951	2.87549	.03000	-20.07007
.600	10.455	.32723	.03878	.08820	.31476	.09751	3.22786	.01000	-19.97998
.600	11.517	.38079	.03193	.08852	.36674	.10732	3.41741	.00000	-20.01001
.600	12.578	.44207	.02589	.08785	.42582	.12153	3.50373	-.01000	-20.04004
.600	13.652	.50367	.02841	.08218	.48273	.14648	3.29552	-.02001	-19.95996
.599	14.706	.56120	.02908	.08121	.53543	.17059	3.13870	-.07002	-19.97998
.599	16.850	.68623	.03130	.07308	.64770	.22887	2.83000	-.05001	-19.98999
.599	18.965	.79756	.03442	.07166	.74308	.29175	2.54699	-.01000	-20.04004
.599	GRADIENT	.04886	-.00001	-.00165	.04744	-.00317	.47817	-.00170	.00336

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

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(RJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 110/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.937	-.46099	.10923	.15218	-.45240	.14063	-3.21703	.00000	-20.06006
.900	-2.378	-.35809	.11055	.13821	-.35320	.12532	-2.81836	.00000	-20.08008
.900	-1.279	-.28559	.11111	.12928	-.28303	.11746	-2.40971	.00000	-20.08008
.900	-.189	-.22101	.11093	.12263	-.22064	.11166	-1.97602	-.02001	-19.97998
.901	.905	-.15419	.11006	.11612	-.15591	.10761	-1.44882	.01000	-19.98999
.901	1.999	-.08737	.10790	.10907	-.09108	.10479	-.86917	-.01000	-20.04004
.901	3.098	-.01551	.10552	.10024	-.02119	.10453	-.20275	.01000	-20.08008
.900	4.191	.05224	.10232	.09193	.04462	.10586	.42150	.02000	-20.04004
.901	5.281	.11479	.10095	.08660	.10502	.11109	.94533	.00000	-20.08008
.901	6.375	.17958	.09912	.08218	.16747	.11844	1.41390	.01000	-20.05005
.901	7.461	.24190	.09787	.07490	.22714	.12845	1.76825	.01000	-20.07007
.901	8.547	.30144	.09716	.07030	.28365	.14088	2.01346	-.01000	-19.98999
.900	9.633	.35992	.09622	.06724	.33875	.15509	2.18421	-.03001	-20.05005
.901	10.719	.41985	.09630	.06235	.39462	.17271	2.28489	-.07002	-20.04004
.900	11.805	.48307	.09708	.05459	.45299	.19386	2.33673	-.04001	-20.02002
.900	12.896	.55213	.09598	.04377	.51678	.21679	2.38377	-.05001	-20.00000
.900	13.967	.60671	.09605	.04058	.56559	.23965	2.36011	-.02001	-20.09009
.900	15.057	.65948	.09643	.04043	.61178	.26445	2.31344	-.05001	-20.02002
.901	17.246	.77887	.09781	.03541	.71485	.32433	2.20409	-.04001	-20.06006
.900	19.379	.87548	.09749	.03816	.79354	.38246	2.07480	-.01000	-19.97998
GRADIENT		.06271	-.00086	-.00715	.06074	-.00416	.45646	.00193	.00267

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 111/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.199	-4.031	-.41737	.17958	.17754	-.40372	.20848	-1.93652	-.01000	-19.97998
1.200	-2.342	-.30133	.17679	.14751	-.29385	.18896	-1.55508	-.02001	-20.11011
1.201	-1.226	-.22151	.17515	.12516	-.21771	.17985	-1.21056	-.01000	-19.97998
1.200	-.125	-.14850	.17402	.10649	-.14812	.17435	-.84959	.02000	-20.02002
1.200	.974	-.07754	.17284	.08917	-.08047	.17150	-.46921	.01000	-19.96997
1.201	2.078	-.00500	.17158	.07341	-.01122	.17128	-.06550	.03000	-20.01001
1.201	3.173	.05993	.17030	.06012	.05041	.17336	.29082	.03000	-19.98999
1.201	4.283	.12622	.16894	.04809	.11325	.17789	.63662	.02000	-20.07007
1.201	5.374	.19375	.16689	.03556	.17727	.18430	.96183	.02000	-20.00000
1.201	6.474	.25953	.16472	.02409	.23931	.19293	1.24035	.01000	-20.01001
1.201	7.566	.32491	.16335	.01466	.30057	.20471	1.46829	-.01000	-20.03003
1.201	8.668	.38688	.16099	.00819	.35820	.21746	1.64725	-.06002	-19.98999
1.200	9.787	.44617	.15807	.00350	.41281	.23162	1.78227	-.04001	-20.04004
1.200	10.873	.50931	.15567	-.00175	.47081	.24894	1.89121	-.02001	-19.96997
1.200	11.982	.57592	.15280	-.00835	.53165	.26904	1.97610	-.02001	-19.98999
1.200	13.099	.64148	.15168	-.01562	.59041	.29312	2.01426	-.04001	-20.02002
1.201	14.206	.70780	.15134	-.02311	.64902	.32041	2.02559	.01000	-20.01001
1.200	15.308	.77013	.15123	-.02929	.70288	.34918	2.01290	.02000	-19.97998
1.200	17.511	.89172	.15062	-.03978	.80508	.41195	1.95433	.00000	-19.96997
1.201	19.700	.99904	.14767	-.04284	.89078	.47580	1.87216	-.01000	-19.97998
	GRADIENT	.06551	-.00123	-.01572	.06235	-.00346	.31968	.00582	-.00106

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3019) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 10.000

RUN NO. 105/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.599	-3.747	-.32384	.07095	.07483	-.31851	.09196	-3.46344	5.00937	-15.02503
.599	-2.222	-.24624	.07472	.07122	-.24316	.08421	-2.88747	5.00937	-15.03504
.600	-1.179	-.19814	.07637	.06973	-.19652	.08043	-2.44342	5.01937	-15.06507
.600	-.123	-.14779	.07712	.06833	-.14763	.07743	-1.90649	5.00937	-14.99499
.600	.947	-.09407	.07675	.06716	-.09533	.07518	-1.26797	5.00937	-15.05506
.599	1.996	-.05031	.07569	.06575	-.05291	.07389	-.71612	4.99938	-15.05506
.600	3.050	.00730	.07324	.06390	.00340	.07352	.04622	4.99938	-15.04305
.600	4.132	.06264	.06978	.06222	.05745	.07411	.77519	4.98938	-15.06507
.599	5.179	.11342	.06534	.06123	.10705	.07531	1.42151	4.97938	-15.05506
.599	6.237	.16530	.06027	.05958	.15777	.07787	2.02594	5.03937	-15.06507
.600	7.311	.22214	.05394	.05795	.21347	.08177	2.61066	4.99938	-14.97497
.600	8.358	.28133	.04694	.05662	.27152	.08733	3.10899	4.97938	-15.03504
.599	9.416	.33222	.04051	.05651	.32111	.09431	3.40480	4.99938	-15.05506
.600	10.484	.38901	.03341	.05790	.37644	.10364	3.63222	5.01937	-15.06507
.600	11.558	.44340	.02670	.05836	.42906	.11500	3.73097	5.03937	-14.97497
.599	12.617	.50750	.02363	.05506	.49008	.13392	3.65963	5.03937	-14.99499
.599	13.679	.56669	.02615	.05010	.54443	.15942	3.41504	5.02937	-15.06507
.601	14.773	.63364	.02792	.04521	.60557	.18858	3.21127	5.00937	-15.04505
.599	16.890	.75498	.03081	.03819	.71346	.24883	2.86727	5.01937	-15.03504
.599	19.015	.86573	.03280	.03719	.80781	.31307	2.58024	4.95938	-15.04505
GRADIENT		.04854	-.00016	-.00151	.04721	-.00221	.54236	-.00265	-.00393

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3019) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 10.000

RUN NO. 109/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.901	-3.906	-.40258	.10197	.11820	-.39470	.12916	-3.05597	5.00937	-14.98498
.900	-2.336	-.30009	.10293	.10530	-.29564	.11507	-2.56916	5.00937	-15.00501
.900	-1.251	-.23212	.10358	.09816	-.22980	.10863	-2.11553	5.03937	-14.99499
.900	-.157	-.16546	.10323	.09175	-.16518	.10368	-1.59319	4.96938	-15.01502
.901	.944	-.10143	.10218	.08580	-.10310	.10049	-1.02597	4.97938	-15.02503
.900	2.029	-.03279	.10059	.07745	-.03633	.09937	-.36563	4.97938	-15.03504
.900	3.135	.03803	.09861	.06818	.03258	.10054	.32405	5.00937	-15.06507
.900	4.224	.10932	.09638	.06002	.10192	.10417	.97844	4.98938	-15.03504
.900	5.322	.17190	.09472	.05393	.16237	.11025	1.47276	4.99938	-15.02503
.900	6.414	.23717	.09300	.04759	.22530	.11891	1.89468	4.99938	-15.04505
.900	7.498	.29690	.09247	.04203	.28229	.13043	2.16436	4.96938	-15.03504
.900	8.572	.35529	.09204	.03772	.33760	.14397	2.34488	4.95938	-15.06507
.900	9.671	.41491	.09216	.03480	.39353	.16055	2.45116	5.00937	-15.03504
.900	10.744	.47433	.09272	.02894	.44873	.17952	2.49957	4.98938	-15.05506
.900	11.831	.53634	.09278	.02292	.50592	.20078	2.51980	4.99938	-15.05507
.901	12.924	.59346	.09478	.01837	.55723	.22512	2.47529	4.97938	-15.06507
.900	14.001	.64752	.09536	.01442	.60521	.24919	2.42871	4.96938	-15.08509
.901	15.092	.70767	.09600	.01236	.65827	.27694	2.37694	4.96938	-15.04505
.900	17.252	.82291	.09603	.00697	.75741	.33577	2.25577	5.05937	-15.05506
.901	19.423	.92387	.09599	.00952	.83937	.39775	2.11026	5.04937	-15.03504
GRADIENT	.06237	-.00072	-.00693	.06052	-.00300	.50723	-.0323	-.00821	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3019) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 10.000

RUN NO. 112/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.025	-.36681	.17066	.14458	-.35393	.19598	-1.80588	4.97938	-15.02503
1.201	-2.284	-.24921	.16870	.11424	-.24229	.17850	-1.35740	4.98938	-15.02503
1.200	-1.205	-.17819	.16729	.09666	-.17463	.17100	-1.02124	4.95938	-14.98498
1.200	-.091	-.10388	.16703	.07845	-.10362	.16719	-.61974	4.97938	-15.01502
1.201	1.009	-.03215	.16607	.06104	-.03507	.16548	-.21191	4.98938	-14.99499
1.201	2.110	.03775	.16469	.04592	.03166	.16597	.19077	4.95938	-14.97497
1.201	3.204	.10259	.16389	.03263	.09327	.16937	.55069	4.93938	-15.03504
1.201	4.313	.16920	.16328	.01986	.15644	.17554	.89120	4.99938	-14.97497
1.201	5.402	.23545	.16236	.00747	.21911	.18380	1.19210	4.98938	-15.00501
1.201	6.502	.30052	.16094	-.00331	.28036	.19393	1.44567	4.91939	-15.01502
1.200	7.601	.36321	.15938	-.01175	.33894	.20602	1.64517	4.97938	-14.98498
1.200	8.692	.42665	.15725	-.01981	.39798	.21992	1.80969	5.07937	-15.03504
1.201	9.801	.49386	.15459	-.02776	.46034	.23640	1.94733	4.98938	-15.03504
1.201	10.912	.55327	.15203	-.03177	.51449	.25402	2.02541	5.01937	-15.01502
1.200	12.021	.61851	.15009	-.03706	.57369	.27561	2.08150	4.98938	-15.01502
1.200	13.116	.68201	.14992	-.04308	.63020	.30077	2.09528	4.95938	-15.04505
1.200	14.230	.74509	.15002	-.04883	.68536	.32857	2.08588	4.98938	-15.03504
1.200	15.327	.80450	.15036	-.05469	.73614	.35767	2.05815	4.95938	-15.03504
1.200	17.531	.92724	.14920	-.06561	.83927	.42158	1.99069	4.99938	-15.05506
1.199	19.728	1.03480	.14651	-.06994	.92461	.48721	1.89777	5.02937	-15.01502
GRADIENT		.06440	-.00088	-.01503	.06137	-.00227	.33415	-.00103	.00368

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 10.000

RUN NO. 104/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.694	-.25397	.06932	.04055	-.24898	.08554	-2.91063	10.02875	-10.01001
.600	-2.193	-.18084	.07306	.03810	-.17792	.07993	-2.22602	10.03875	-10.03003
.600	-1.126	-.12855	.07469	.03631	-.12706	.07720	-1.64576	10.03875	-10.02002
.600	-.059	-.07778	.07516	.03506	-.07770	.07524	-1.03273	9.98875	-10.03003
.600	.998	-.02671	.07461	.03399	-.02800	.07414	-.37773	9.98875	-10.03003
.600	2.032	.02112	.07333	.03287	.01851	.07403	.25002	9.99875	-10.03003
.599	3.109	.07222	.07085	.03143	.06827	.07467	.91439	9.99875	-10.03003
.600	4.157	.12380	.06740	.03043	.11858	.07620	1.55626	9.99875	-10.04004
.600	5.209	.17874	.06288	.02838	.17229	.07885	2.18509	9.99875	-10.03003
.600	6.280	.23336	.05757	.02647	.22566	.08275	2.72694	10.04874	-10.03003
.600	7.332	.28908	.05140	.02475	.28016	.08787	3.18827	9.97875	-10.03003
.600	8.409	.34810	.04481	.02295	.33783	.09504	3.55466	9.97875	-10.03003
.600	9.475	.40704	.03767	.02156	.39529	.10417	3.79480	9.97875	-10.03003
.600	10.554	.46800	.03064	.02038	.45447	.11584	3.92324	10.02875	-10.04004
.599	11.615	.53048	.02364	.02007	.51486	.12996	3.96171	10.00875	-10.05005
.601	12.692	.59440	.02543	.01276	.57429	.15541	3.69529	9.94876	-10.04004
.599	13.752	.65265	.02546	.00931	.62789	.17989	3.49047	9.96875	-10.03003
.599	14.812	.71711	.02688	.00546	.68641	.20932	3.27927	9.98875	-10.04004
.600	16.938	.84205	.03134	-.00265	.79639	.27530	2.89279	9.99875	-10.09009
.599	19.072	.95705	.03390	-.00584	.89343	.34477	2.59142	10.03875	-10.04004
GRADIENT		.04794	-.00028	-.00126	.04665	-.00115	.57816	-.00573	-.00267

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 10.000

RUN NO. 108/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.855	-.34880	.09519	.08797	-.34161	.11842	-2.88467	10.00875	-9.96997
.900	-2.291	-.24356	.09713	.07517	-.23949	.10679	-2.24256	10.04874	-9.97998
.900	-1.207	-.17576	.09752	.06749	-.17367	.10120	-1.71612	10.03875	-9.98999
.900	-.105	-.10986	.09743	.06085	-.10968	.09763	-1.12337	10.02875	-10.01001
.900	.993	-.04025	.09715	.05373	-.04193	.09644	-.43479	9.94876	-10.00000
.901	2.076	.02863	.09665	.04490	.02511	.09763	.25717	9.94876	-10.01001
.900	3.184	.10152	.09539	.03425	.09607	.10088	.95228	9.95876	-10.02002
.901	4.276	.17011	.09432	.02451	.16261	.10674	1.52334	9.95876	-10.04004
.900	5.381	.23814	.09308	.01688	.22837	.11498	1.98619	9.95876	-10.06006
.900	6.463	.30461	.09185	.00953	.29234	.12556	2.32834	9.95876	-10.01001
.900	7.537	.36531	.09212	.00266	.35007	.13924	2.51403	9.95876	-10.01001
.900	8.619	.42031	.09258	.00044	.40169	.15452	2.59959	9.98875	-10.01001
.901	9.704	.48033	.09344	-.00527	.45771	.17307	2.64469	9.95876	-10.01001
.901	10.789	.54079	.09375	-.01112	.51369	.19333	2.65709	10.01875	-10.05005
.900	11.881	.58948	.09476	-.01262	.55734	.21410	2.60324	9.95876	-10.05005
.900	12.939	.64350	.09674	-.01713	.60550	.23837	2.54014	9.97875	-10.07007
.900	14.021	.70071	.09755	-.02137	.65621	.26441	2.48182	9.97875	-10.03003
.901	15.137	.76510	.09822	-.02452	.71291	.29460	2.41994	9.95876	-10.05005
.900	17.303	.88461	.09666	-.03017	.81523	.35730	2.28168	9.99875	-9.97998
.900	19.440	.97639	.09808	-.02704	.88808	.41745	2.12738	10.00875	-10.03003
.900									
	GRADIENT	.06345	-.00017	-.00760	.06167	-.00138	.55938	-.01177	-.00777

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 102

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 10.000

RUN NO. 113/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.862	-.30066	.16748	.10522	-.28870	.18735	-1.54094	9.83877	-9.84739
1.201	-2.267	-.19672	.16666	.08036	-.18998	.17431	-1.08990	9.82877	-9.86740
1.201	-1.166	-.12457	.16604	.06256	-.12116	.16854	-.71890	9.80877	-9.89742
1.200	-.069	-.05527	.16568	.04603	-.05507	.16574	-.33224	9.79878	-9.93745
1.201	1.030	.01548	.16557	.02862	.01250	.16582	.07538	10.03875	-9.95747
1.201	2.119	.08464	.16467	.01324	.07849	.16769	.46808	10.05874	-9.98749
1.201	3.226	.15110	.16341	-.00006	.14167	.17166	.82527	10.04874	-10.02752
1.201	4.321	.21460	.16222	-.01210	.20177	.17792	1.13403	10.02875	-10.04754
1.200	5.442	.28190	.16090	-.02406	.26537	.18691	1.41979	10.00875	-10.08757
1.200	6.532	.34703	.15925	-.03464	.32666	.19769	1.65233	9.97875	-10.12760
1.201	7.623	.41122	.15731	-.04406	.38672	.21047	1.83742	9.94876	-10.16763
1.200	8.727	.47651	.15514	-.05275	.44746	.22564	1.98305	10.01875	-9.96748
1.200	9.817	.53787	.15294	-.05916	.50392	.24241	2.07884	10.00875	-10.00751
1.200	10.948	.60284	.15099	-.06336	.56319	.26273	2.14360	9.99875	-10.03753
1.200	12.037	.66279	.14986	-.06837	.61696	.28479	2.16642	9.98875	-10.07756
1.200	13.148	.73006	.14989	-.07528	.67683	.31203	2.16913	9.95876	-10.05754
1.200	14.250	.79239	.15023	-.08164	.73103	.34065	2.14595	9.96875	-10.14761
1.200	15.346	.85142	.15000	-.08751	.78136	.36996	2.11188	9.93876	-10.11759
1.200	17.565	.97612	.14975	-.09782	.88542	.43734	2.02453	10.02875	-10.01751
1.199	19.750	1.08034	.14828	-.09977	.96669	.50462	1.91569	10.01875	-10.03753
GRADIENT		.06320	-.00060	-.01452	.06020	-.00096	.33674	.03517	-.02592

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 103/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.656	-17521	.07244	.00164	-.17023	.08347	-2.03950	14.96813	-5.01502
.601	-2.147	-.10302	.07625	-.00115	-.10009	.08006	-1.25024	14.96813	-5.00501
.600	-1.078	-.05015	.07776	-.00251	-.04867	.07869	-.61852	14.96813	-4.98498
.600	-.022	.00020	.07831	-.00407	.00023	.07831	.00294	14.99813	-5.00501
.600	1.025	.05116	.07770	-.00551	.04976	.07860	.63306	14.98813	-4.99499
.600	2.085	.10519	.07611	-.00725	.10236	.07989	1.28123	14.97813	-4.99499
.600	3.142	.15635	.07356	-.00868	.15209	.08202	1.85430	14.98813	-5.00501
.600	4.207	.20502	.07004	-.00980	.19933	.08489	2.34805	14.96813	-4.99499
.600	5.262	.26300	.06494	-.01156	.25594	.08878	2.88270	14.95813	-5.00501
.599	6.320	.31626	.05962	-.01435	.30778	.09407	3.27182	14.96813	-5.01502
.600	7.398	.37842	.05315	-.01772	.36843	.10143	3.63217	15.05812	-5.02503
.600	8.452	.43632	.04686	-.02083	.42470	.11048	3.84408	15.01812	-5.02503
.600	9.525	.50300	.03985	-.02456	.48947	.12253	3.99473	15.00812	-5.03504
.600	10.619	.56861	.03251	-.02594	.55288	.13674	4.04339	14.97813	-5.00501
.600	11.670	.62246	.02690	-.02726	.60415	.15225	3.96818	14.98813	-5.05506
.600	12.734	.68501	.03096	-.03335	.66134	.18119	3.64987	14.99813	-5.05506
.599	13.787	.74428	.03039	-.03665	.71580	.20689	3.45888	14.97813	-5.00501
.600	14.869	.80941	.03248	-.04109	.77397	.23909	3.23714	14.99813	-5.03504
.600	16.985	.92722	.03783	-.04748	.87573	.30703	2.85227	14.96813	-5.03504
.600	19.128	1.04542	.04116	-.05054	.97422	.38144	2.55405	14.99813	-5.03504
GRADIENT		.04863	-.00035	-.00145	.04727	.00022	.57097	-.00088	.00140

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 107/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.817	-.27417	.09568	.04180	-.26719	.11372	-2.34954	15.01812	-5.00501
.900	-2.238	-.16392	.09844	.02714	-.15995	.10477	-1.52668	15.01812	-5.01502
.901	-1.155	-.09580	.09966	.01913	-.09377	.10157	-.92324	15.02812	-5.03504
.901	-.060	-.02735	.10022	.01162	-.02725	.10025	-.27177	15.01812	-4.98498
.901	1.050	.04441	.10043	.00349	.04256	.10123	.42049	15.02812	-5.00501
.901	2.151	.11177	.10000	-.00553	.10794	.10412	1.03666	15.03812	-5.02503
.901	3.239	.18423	.09898	-.01529	.17834	.10923	1.63274	14.99813	-5.04505
.901	4.332	.25199	.09831	-.02376	.24384	.11707	2.08287	14.96813	-5.02503
.900	5.416	.31147	.09740	-.02924	.30039	.12637	2.38102	14.99813	-5.02503
.900	6.503	.36970	.09708	-.03162	.35632	.13832	2.57601	14.94813	-5.01502
.900	7.591	.43197	.09742	-.03761	.41531	.15363	2.70328	14.97813	-5.01502
.901	8.659	.48583	.09818	-.04130	.46551	.17021	2.73489	14.97813	-4.98498
.901	9.743	.54417	.09919	-.04619	.51954	.18985	2.73657	14.98813	-5.02503
.902	10.824	.60005	.10037	-.05025	.57053	.21127	2.70049	14.99813	-5.03504
.901	11.902	.64664	.10193	-.05206	.61172	.23311	2.62421	14.98813	-5.05506
.901	12.975	.70075	.10234	-.05364	.65988	.25706	2.56699	15.00812	-5.08509
.901	14.075	.75697	.10340	-.05785	.70910	.28439	2.49340	15.00812	-5.03504
.901	15.161	.82259	.10372	-.06160	.76683	.31525	2.43246	14.96813	-5.04505
.900	17.329	.93538	.10393	-.06607	.86137	.37782	2.28141	15.01812	-5.06507
.901	19.484	1.03115	.10373	-.06166	.93750	.44172	2.12238	15.07812	-5.03504
GRADIENT		.06414	.00025	-.00790	.06231	.00049	.55925	-.00416	-.00294

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C OREITER

(RJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 114/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.842	-.24765	.17018	.06659	-.23569	.18639	-1.26448	15.02812	-5.05379
1.201	-2.235	-.14228	.17003	.04118	-.13554	.17545	-.77254	15.07812	-5.09382
1.201	-1.146	-.07127	.16926	.02397	-.06787	.17065	-.39771	15.03812	-5.13385
1.201	-.025	.00039	.16876	.00723	.00047	.16676	.00276	15.03812	-5.18389
1.201	1.062	.06874	.16770	-.00874	.06562	.16895	.38844	15.06812	-5.01376
1.201	2.161	.13510	.16569	-.02092	.12875	.17657	.75441	15.11811	-5.06380
1.201	3.250	.19582	.16484	-.03351	.18616	.17568	1.05963	15.00812	-5.08381
1.201	4.351	.26369	.16405	-.04620	.25049	.18359	1.36440	14.90814	-5.10383
1.201	5.452	.33143	.16338	-.05922	.31441	.19413	1.61958	15.00812	-5.08381
1.201	6.572	.39685	.16224	-.06991	.37568	.20559	1.81844	15.01812	-5.10383
1.200	7.650	.45923	.16056	-.07845	.43377	.22027	1.96930	14.99813	-5.11384
1.200	8.750	.52126	.15846	-.08561	.49089	.23589	2.08105	14.98813	-5.06380
1.200	9.856	.58417	.15601	-.09077	.54884	.25370	2.16332	14.94813	-5.03378
1.199	10.965	.64907	.15445	-.09580	.60784	.27508	2.20966	14.90814	-5.11384
1.201	12.070	.71179	.15433	-.10127	.66378	.29976	2.21437	14.94813	-4.95372
1.201	13.197	.77632	.15461	-.10718	.72052	.32776	2.19830	14.92813	-5.09382
1.201	14.277	.83760	.15494	-.11283	.77352	.35672	2.16843	15.09811	-4.86365
1.200	15.391	.90029	.15590	-.11832	.82663	.38925	2.12365	15.00812	-5.07381
1.199	17.584	1.02041	.15804	-.12620	.92498	.45692	2.01555	14.91814	-4.94371
1.201	19.769	1.12283	.15805	-.12725	1.00320	.52850	1.89819	14.93813	-.00914
GRADIENT		.06226	-.00083	-.01375	.05922	-.00029	.32789		.00044

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3022) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 98/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.813	-.23916	.06027	.03385	-.23462	.07604	-3.08533	-.03001	-.03003
.600	-2.147	-.16080	.06457	.03151	-.15827	.07054	-2.24360	-.04001	-.04004
.600	-1.112	-.11223	.06624	.03083	-.11092	.06841	-1.62150	.01000	-.03003
.600	-.043	-.05962	.06661	.03004	-.05957	.06666	-.89361	.01000	-.03003
.600	1.001	-.01193	.06612	.02937	-.01309	.06590	-.19858	.02000	-.04004
.601	2.067	.03798	.06467	.02796	.03562	.06590	.53973	.02000	-.02002
.600	3.116	.08989	.06211	.02715	.08638	.06691	1.29107	.04999	-.02002
.601	4.183	.14039	.05878	.02615	.13573	.06886	1.97101	-.05001	.00000
.600	5.248	.19748	.05388	.02527	.19173	.07171	2.67349	.00000	.00000
.600	6.310	.25270	.04811	.02381	.24588	.07559	3.25274	-.02001	.00000
.600	7.368	.30404	.04212	.02218	.29613	.08076	3.66678	-.05001	.00000
.600	8.431	.35988	.03539	.02063	.35080	.08777	3.99675	-.03001	-.02002
.600	9.498	.41900	.02807	.01973	.40863	.09682	4.22053	-.04001	-.03003
.600	10.556	.47682	.02075	.02078	.46495	.10775	4.31494	.01000	-.03003
.600	11.622	.53305	.01407	.02125	.51929	.12116	4.28602	-.02001	-.03003
.600	12.692	.59037	.01544	.01698	.57255	.14477	3.95485	.01000	-.06005
.600	13.744	.64806	.02024	.01284	.62470	.17362	3.59803	-.01000	-.03003
.600	14.827	.71472	.01887	.00951	.68610	.20114	3.41099	-.03001	-.03003
.600	16.964	.84552	.02250	-.00191	.80217	.26821	2.99076	-.05001	-.12011
.600	19.094	.96584	.02555	-.00806	.90435	.34009	2.65915	.00000	.02003
.600	GRADIENT	.04747	-.00025	-.00092	.04631	-.00087	.64663	.00390	.00343

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3023) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

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

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.769	-.23266	.05946	.03198	-.22825	.07463	-3.05840	-.01000	.03004
.600	-2.236	-.16145	.06346	.03069	-.15885	.06971	-2.27876	-.02001	.00000
.600	-1.167	-.11225	.06512	.03004	-.11090	.06739	-1.64563	.00000	.00000
.600	-.080	-.06391	.06576	.02890	-.06381	.06585	-.96906	.01000	.00000
.600	.995	-.01182	.06526	.02824	-.01295	.06504	-.19906	-.02001	.00000
.600	2.092	.04211	.06362	.02747	.03976	.06511	.61068	.01000	.00000
.600	3.175	.09370	.06093	.02629	.09019	.06603	1.36530	.00000	.01001
.600	4.262	.14716	.05734	.02544	.14250	.06812	2.09191	.00000	.01001
.600	5.336	.19924	.05265	.02449	.19348	.07095	2.72712	-.01000	.02003
.600	6.431	.25753	.04654	.02371	.25070	.07509	3.33843	.03000	.00000
.599	7.516	.31093	.04002	.02228	.30303	.08035	3.77154	-.03001	-.01001
.599	8.614	.37196	.03248	.02061	.36290	.08782	4.13219	.03000	.00000
.599	9.728	.42992	.02509	.01982	.41950	.09738	4.30794	.00000	-.01001
.600	10.820	.48883	.01717	.02115	.47691	.10863	4.39016	-.02001	-.03003
.599	11.901	.54507	.01024	.02158	.53125	.12242	4.33952	.00000	.01001
.600	13.028	.61093	.00740	.01934	.59353	.14493	4.09540	-.02001	.00000
.600	14.104	.66705	.01012	.01636	.64448	.17236	3.73923	-.03001	-.03003
.600	15.209	.72959	.01292	.01291	.70065	.20387	3.43677	-.03001	-.03003
.599	17.395	.86318	.01925	.00017	.81795	.27643	2.95900	.04000	.01001
.600	19.617	.99796	.01918	-.00700	.93359	.35312	2.64384	.01000	.00000
GRADIENT		.04726	-.00031	-.00081	.04613	-.00079	.65514	.00180	-.00112

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3023) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 115/ 0 RN/L = 5.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-4.088	-.28378	.06530	.04636	-.27840	.08536	-3.26137	.07999	-.02002
.800	-2.383	-.19209	.06771	.04198	-.18911	.07564	-2.50011	.08999	-.01001
.801	-1.246	-.13110	.06910	.03930	-.12957	.07194	-1.80116	.10999	-.02002
.800	-.110	-.07190	.06930	.03760	-.07177	.06944	-1.03357	.11999	-.03002
.800	1.016	-.01671	.06869	.03612	-.01793	.06838	-.26220	.11999	-.03002
.800	2.155	.04379	.06694	.03456	.04124	.06854	.60174	.10999	-.03002
.800	3.292	.09852	.06439	.03357	.09466	.06994	1.35331	.06999	-.05004
.799	4.420	.15939	.06088	.03143	.15422	.07299	2.11302	.06999	-.03002
.800	5.572	.22588	.05664	.02863	.21931	.07830	2.80078	.06999	-.04003
.800	6.717	.29044	.05318	.02494	.28223	.08679	3.25201	.05999	-.06005
.800	7.839	.34926	.05140	.02252	.33899	.09855	3.43959	.05999	-.07005
.800	8.957	.39984	.05039	.02205	.38712	.11203	3.45541	.02000	-.10008
.800	10.089	.45564	.04970	.02272	.43989	.12875	3.41657	.01000	-.06005
.800	11.220	.50969	.04969	.02420	.49027	.14792	3.31453	-.02000	-.09007
.800	12.344	.56232	.05097	.02397	.53843	.17001	3.16706	-.03000	-.07005
.800	13.467	.62108	.05403	.01761	.59142	.19718	2.99934	-.08000	-.06005
.800	14.589	.68219	.05802	.00858	.64558	.22799	2.83164	-.05000	.01001
.799	15.719	.73769	.06029	.00504	.69377	.25789	2.69016	-.06000	-.11008
.799	18.020	.87114	.06091	-.00020	.80957	.32741	2.47267	-.11000	-.04003
.799	20.314	.98867	.06098	.00146	.90601	.40042	2.26265	-.07000	.06008
.800	GRADIENT	.05177	-.00051	-.00165	.05054	-.00134	.65100	-.00148	-.00297

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 132/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.763	-.38096	.05232	.11880	-.37670	.07721	-4.87876	-10.01000	-10.00751
.600	-2.193	-.30628	.05641	.11394	-.30390	.06809	-4.46334	-10.02000	-10.00751
.600	-.119	-.20267	.05952	.11077	-.20255	.05994	-3.37913	-10.03000	-10.00751
.600	2.036	-.10034	.05864	.10816	-.10236	.05503	-1.85998	-10.00000	-10.01751
.600	4.152	.00299	.05380	.10578	-.00091	.05387	-.01697	-10.00000	-10.02752
.600	6.232	.10901	.04529	.10389	.10345	.05686	1.81949	-10.00000	-10.02752
.600	8.386	.21707	.03336	.10249	.20989	.06466	3.24596	-9.98000	-10.00751
.600	10.572	.33581	.01910	.10223	.32660	.08039	4.06284	-10.00000	-10.01751
.600	12.616	.45123	.01913	.09461	.43616	.11723	3.72069	-9.96000	-10.03753
.600	14.791	.56544	.02402	.08928	.54058	.16757	3.22591	-9.98000	-10.03753
.600	16.858	.69085	.02127	.08375	.65499	.22070	2.96778	-9.97000	-10.04754
.600	19.037	.80571	.02125	.08117	.75471	.28289	2.66784	-10.02000	-10.03753
GRADIENT		.04855	.00022	-.00157	.04752	-.00293	.61988	.00214	-.00255

RUN NO. 130/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.861	-.40928	.06294	.13554	-.40411	.09036	-4.47241	-10.04000	-10.03753
.801	-2.242	-.30766	.06582	.12390	-.30485	.07780	-3.91818	-10.03000	-10.04754
.801	-.055	-.18173	.06766	.11365	-.18167	.06783	-2.67817	-10.04000	-10.04754
.800	2.131	-.06708	.06615	.10792	-.06950	.06361	-1.09256	-10.03000	-10.05754
.801	4.297	.05559	.06104	.10032	.05086	.06504	.78198	-10.04000	-10.06755
.801	6.384	.18208	.05651	.08878	.17467	.07640	2.28609	-10.06000	-10.06755
.800	8.622	.30133	.05465	.07976	.28973	.09921	2.92045	-10.13000	-10.11759
.800	10.732	.39816	.05680	.08186	.38061	.12995	2.92894	-10.14000	-10.12760
.801	12.916	.49005	.06365	.07606	.46342	.17158	2.70096	-10.23000	-10.25769
.800	14.992	.58144	.06585	.08081	.54462	.21402	2.54479	-10.28000	-10.26770
.799	17.177	.69897	.06683	.07870	.64806	.27027	2.39783	-10.24000	-10.24769
.800	19.194	.80146	.06884	.07841	.73428	.32850	2.23524	-10.23000	-10.26770
GRADIENT		.05649	-.00020	-.00414	.05529	-.00307	.64868	-.00005	-.00337

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 128/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-2.288	-.34277	.09094	.16457	-.33886	.10455	-3.24103	-9.99000	-9.91744
.921	-.052	-.18779	.09301	.13948	-.18770	.09318	-2.01434	-10.04000	-10.08757
.920	2.083	-.03580	.09346	.10970	-.03917	.09210	-.42537	-10.07000	-10.12760
.921	4.322	.12531	.09395	.08000	.11787	.10313	1.14298	-10.15000	-10.13760
.920	6.596	.25462	.09293	.06658	.24226	.12156	1.99297	-10.19000	-10.15762
.920	8.650	.35965	.09508	.05954	.34126	.14808	2.30447	-10.15000	-10.16763
.920	10.770	.45236	.09854	.05648	.42597	.18134	2.34904	-10.18000	-10.20766
.920	12.970	.55538	.10033	.05447	.51869	.22242	2.33204	-10.20000	-10.21766
.920	15.105	.66374	.10031	.05085	.61467	.26980	2.27819	-10.24000	-10.21766
.920	17.308	.78519	.09976	.04634	.71996	.32884	2.18940	-10.30000	-10.23768
.920	19.538	.88849	.10009	.04505	.80385	.39146	2.05346	-10.16000	-10.14761
GRADIENT		.07085	.00043	-.01290	.06914	-.00024	.67090	-.02325	-.03193

RUN NO. 126/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.935	-.47693	.10412	.20776	-.46866	.13660	-3.43080	-10.24000	-10.26770
.951	-2.310	-.35898	.10508	.18597	-.35446	.11946	-2.96711	-10.25000	-10.27771
.951	-.081	-.18878	.10719	.15032	-.18863	.10746	-1.75542	-10.01000	-9.99750
.951	2.128	-.02212	.10828	.11204	-.02613	.10738	-.24333	-10.00000	-10.02752
.950	4.324	.13719	.10814	.07888	.12864	.11818	1.08856	-10.03000	-10.07756
.950	6.527	.27817	.10678	.05704	.26423	.13770	1.91885	-10.10000	-10.10758
.950	8.717	.40257	.10504	.04438	.38200	.16483	2.31748	-10.15000	-10.09757
.949	10.868	.50999	.10546	.03701	.48096	.19972	2.40820	-10.02000	-10.07756
.949	13.035	.61208	.10727	.03292	.57211	.24255	2.35871	-10.05000	-10.11759
.949	15.215	.73630	.10598	.02706	.68267	.29551	2.31017	-10.08000	-10.07756
.949	17.406	.85361	.10581	.02207	.78287	.35631	2.19717	-10.16000	-10.14761
.950	19.576	.96455	.10526	.02264	.87353	.42235	2.06826	-10.28000	-10.26770
GRADIENT		.07470	.00053	-.01585	.07269	-.00221	.56459	.03153	.02990

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -10.000 AILRON = .000

RUN NO. 124/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.847	-.32402	.14507	.13629	-.31356	.16648	-1.88344	-9.98000	-9.98749
1.200	-2.231	-.21598	.14510	.10722	-.21016	.15340	-1.37005	-9.98000	-10.03753
1.201	-.036	-.07419	.14493	.07147	-.07410	.14497	-.51112	-10.05000	-10.09757
1.201	2.167	.06309	.14445	.03888	.05758	.14673	.39245	-9.93000	-9.94746
1.201	4.362	.19601	.14301	.01238	.18456	.15751	1.17177	-9.97000	-10.04754
1.201	6.552	.31884	.14051	-.00691	.30072	.17597	1.70892	-10.02000	-10.11759
1.201	8.739	.43962	.13765	-.01952	.41360	.20285	2.03897	-10.07000	-10.07756
1.200	10.951	.55453	.13384	-.02327	.51901	.23675	2.19222	-10.12000	-10.10758
1.200	13.165	.68150	.13078	-.03302	.63380	.28256	2.24308	-10.12000	-10.07756
1.200	15.362	.79888	.12874	-.04214	.73624	.33577	2.19268	-10.10000	-10.15762
1.200	17.547	.91412	.12832	-.04988	.83290	.39795	2.09299	-10.25000	-10.30773
1.199	19.751	1.02411	.12848	-.05192	.92044	.46701	1.97091	-9.98000	-9.94746
GRADIENT		.06332	-.00023	-.01514	.06067	-.00107	.37879	.00357	-.00103

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. X0
 LREF = 474.8000 INCHES YMRP = .0000 IN. Y0
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. Z0
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 131/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.656	-.20714	.04596	.03356	-.29378	.05908	-3.44954	.04999	.06008
.600	-2.077	-.13611	.04979	.03198	-.13421	.05469	-2.45388	.04999	.05007
.600	.089	-.03430	.05199	.03111	-.03438	.05193	-.66201	.04999	.06008
.600	2.188	.07115	.04998	.02934	.06919	.05266	1.31388	.04000	.05007
.600	4.290	.16954	.04440	.02788	.16574	.05696	2.90992	.04000	.04006
.600	6.315	.27201	.03516	.02559	.26649	.06486	4.10868	.04999	.04006
.600	8.528	.39034	.02203	.02184	.38276	.07967	4.80428	.05999	.03004
.600	10.587	.50346	.00857	.02066	.49332	.10093	4.88761	.02000	.01001
.600	12.740	.60768	.01822	.01573	.58870	.15178	3.87954	-.06000	-.16012
.600	14.922	.72998	.01990	.00735	.70024	.20720	3.37957	-.15000	-.21016
.600	17.029	.87132	.01838	-.00454	.82774	.27275	3.03474	-.37000	-.32024
.599	19.254	.99700	.02156	-.01152	.93413	.34911	2.67574	.02000	.02003
GRADIENT	.04769	-.00018	-.00069	.04679	-.00028	.81978	-.00151	-.00197	

RUN NO. 129/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-2.128	-.15052	.05373	.03998	-.14843	.05928	-2.50389	-.05000	-.02002
.799	.072	-.03454	.05579	.03639	-.03461	.05575	-.62079	-.05000	-.02002
.799	2.174	.07435	.05428	.03321	.07224	.05706	1.26609	-.05000	-.01001
.800	4.390	.19523	.05006	.02782	.19083	.06486	2.94236	-.06000	-.02002
.799	6.478	.30476	.04824	.02132	.29738	.08232	3.61245	-.08000	-.05004
.799	8.616	.40204	.04834	.02066	.39026	.10803	3.61261	-.20000	-.07005
.799	10.775	.49877	.05051	.02160	.48053	.14286	3.36353	-.40000	-.14011
.799	12.967	.58299	.06069	.01637	.55450	.18995	2.91921	-.09000	-.16012
.799	15.092	.72339	.06016	.00458	.68277	.24643	2.77066	-.14000	-.12009
.799	17.203	.84444	.06195	-.00433	.78834	.30893	2.55182	-.27000	-.19014
.800	19.290	.94656	.06289	-.00445	.87264	.37205	2.34548	-.14000	-.14011
GRADIENT	.05293	-.00058	-.00058	-.00183	.05194	.00084	.84138	-.00139	.00045

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 127/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.756	-.25193	.06909	.06068	-.24686	.08545	-2.88899	.05999	-.07005
.921	-2.137	-.14347	.07287	.04694	-.14065	.07817	-1.79937	-.04000	.00000
.921	.061	.00477	.07765	.02347	.00468	.07765	.06032	-.01000	-.06000
.921	2.281	.12961	.08156	.01273	.12626	.08665	1.45708	-.07000	-.05004
.920	4.393	.23312	.08378	.01253	.22602	.10139	2.22911	-.05000	-.06005
.921	6.559	.33208	.08506	.01287	.32018	.12244	2.61499	-.04000	-.08006
.921	8.701	.42010	.08659	.01482	.40217	.14915	2.69649	.02000	-.11008
.921	10.854	.52187	.09036	.00419	.49552	.16702	2.64959	.00000	.00000
.920	12.980	.62790	.09135	-.00279	.59134	.23004	2.57059	.03000	-.14011
.921	15.215	.76554	.09206	-.01762	.71454	.28974	2.46617	.04000	-.05004
.920	17.421	.89477	.09074	-.02823	.82656	.35446	2.33185	-.03000	.00000
.920	19.458	.98736	.09183	-.02730	.90038	.41549	2.16703	-.24000	-.19014
.920	GRADIENT	.05989	.00183	-.00625	.05842	.00203	.65000	-.01165	-.00181

RUN NO. 125/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.951	-3.773	-.25423	.08534	.07067	-.24807	.10189	-2.43477	.08999	-.05004
.950	-2.142	-.13851	.08761	.04790	-.13514	.09273	-1.45729	.07999	-.06005
.951	.066	.01857	.09325	.01970	.01847	.09327	.19798	.06999	-.08006
.951	2.222	.14312	.09602	.00411	.13929	.10150	1.37239	.06999	.01001
.950	4.406	.27102	.09576	-.00952	.26286	.11629	2.26031	.05999	.00000
.950	6.581	.37361	.09488	-.00940	.36027	.13707	2.62840	.03000	-.04003
.950	8.731	.47616	.09495	-.01192	.45623	.16613	2.74628	-.05000	-.07005
.949	10.890	.57613	.09786	-.01889	.54727	.20495	2.67027	-.08000	-.08006
.950	13.076	.69784	.09963	-.03164	.65721	.25494	2.57792	-.09000	-.10008
.950	15.268	.83971	.09852	-.04829	.78412	.31617	2.48007	-.04000	.01001
.949	17.472	.96747	.10062	-.05715	.89263	.38645	2.30982	-.05000	-.08006
.949	19.623	1.05803	.10024	-.04475	.96292	.44974	2.14107	-.09000	-.10008
.949	GRADIENT	.06417	.00140	-.00979	.06244	.00191	.58850	-.00335	.00842

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 123/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.739	-.19766	.13235	.05271	-.18861	.14496	-1.30114	.03000	.07010
1.200	-2.145	-.10215	.13285	.03049	-.09710	.13658	-.71097	.04999	.02003
1.200	-1.059	-.03533	.13344	.01586	-.03286	.13407	-.24506	.04000	-.05004
1.201	.044	.02932	.13398	.00169	.02922	.13400	.21804	.04999	-.02002
1.201	1.126	.09320	.13447	-.01179	.09054	.13627	.66442	.02000	-.07005
1.201	2.221	.15783	.13462	-.02458	.15249	.14064	1.08429	.00000	-.07005
1.200	3.316	.21936	.13377	-.03450	.21125	.14623	1.44466	-.02000	-.06005
1.200	4.428	.27973	.13270	-.04428	.26865	.15390	1.74563	-.06000	-.09006
1.200	6.605	.39586	.12987	-.05826	.37829	.17454	2.16738	-.14000	-.09007
1.201	8.801	.51689	.12755	-.07220	.49129	.20514	2.39493	-.07000	-.10008
1.201	11.022	.64173	.12605	-.08070	.60579	.24642	2.45839	-.06000	-.02002
1.201	13.214	.75892	.12578	-.08647	.71007	.29593	2.39946	-.09000	-.03002
1.200	15.414	.88073	.12886	-.09781	.81480	.35832	2.27396	-.04000	-.09007
1.199	17.623	1.00902	.13044	-.11149	.92218	.42980	2.14559	-.05000	-.04003
1.199	19.815	1.11026	.12941	-.11193	1.00065	.49811	2.00890	-.08000	-.09007
	GRADIENT	.05865	.00012	-.01197	.05621	.00130	.38327	-.01154	-.01666

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3026) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = .000

RUN NO. 140/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.202	-4.165	-.53689	.20551	.24780	-.52055	.24396	-2.13374	-20.00250	-20.03503
1.201	-2.414	-.41055	.20282	.21320	-.40165	.21993	-1.82627	-20.03250	-20.07506
1.201	-1.291	-.32625	.20088	.18952	-.32165	.20818	-1.54503	-19.98250	-20.05504
1.199	-.043	-.04696	.15309	.04492	-.04685	.15312	-.30593	-.22003	-.17013
1.201	.901	-.18301	.19899	.15503	-.18612	.19609	-.94917	-20.07251	-20.08506
1.201	1.999	-.11329	.19736	.13762	-.12010	.19329	-.62135	-20.09251	-20.08506
1.201	3.112	-.03334	.19507	.11840	-.04388	.19297	-.22737	-20.03250	-20.03503
1.201	4.213	.03539	.19309	.10417	.02111	.19517	.10817	-20.03250	-20.02502
1.201	5.317	.10613	.19054	.08979	.08801	.19955	.44106	-20.09251	-20.08506
1.201	6.410	.17807	.18590	.07273	.15620	.20462	.76336	-20.07251	-19.94496
1.200	7.524	.24215	.18396	.06539	.21598	.21409	1.00883	-20.09251	-19.98499
1.200	8.630	.30848	.18150	.05635	.27776	.22573	1.23047	-20.01250	-20.00500
1.200	9.740	.37585	.17843	.04891	.34024	.23945	1.42094	-20.02250	-20.07506
1.201	10.850	.44086	.17532	.04364	.39998	.25518	1.56746	-20.04251	-20.08506
1.201	11.949	.50798	.17117	.03547	.46154	.27263	1.69288	-20.07251	-20.08506
1.200	13.069	.57698	.16697	.02622	.52427	.29312	1.78859	-20.07251	-20.09507
1.200	14.172	.64394	.16621	.02086	.58365	.31891	1.83070	-20.11251	-20.11509
1.199	15.283	.70367	.16446	.01608	.63544	.34412	1.84657	-20.10251	-20.08506
1.201	17.490	.82594	.15854	.00621	.74011	.39944	1.85286	-20.09251	-19.97498
1.200	19.688	.93732	.15314	.00360	.83093	.45997	1.80650	-20.06251	-20.08506
GRADIENT		.06684	-.00114	-.01633	.06324	-.00531	.26804	-.12261	-.11579

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3027) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 162/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-4.090	-.57628	.11607	.21992	-.56654	.15688	-3.61125	-14.99375	-15.00501
.900	-2.472	-.46496	.11794	.20281	-.45944	.13788	-3.33210	-15.00375	-15.02503
.900	-1.374	-.39385	.11890	.19409	-.39088	.12831	-3.04645	-15.00375	-15.01502
.900	-.286	-.32364	.11813	.18620	-.32325	.11975	-2.69936	-15.01375	-15.03504
.900	.806	-.25718	.11617	.17819	-.25879	.11254	-2.29955	-15.01375	-15.04505
.900	1.906	-.19222	.11420	.17019	-.19591	.10774	-1.81834	-15.01375	-15.03504
.900	2.998	-.11541	.11050	.15779	-.12103	.10432	-1.16025	-15.02376	-15.00501
.899	4.110	-.03793	.10685	.14431	-.04549	.10385	-.43800	-15.04376	-15.02503
.900	5.213	.03846	.10466	.13326	.02879	.10772	.26729	-15.04376	-15.02503
.900	6.307	.10668	.10264	.12415	.09476	.11374	.83312	-15.00375	-15.03504
.900	7.396	.18307	.10071	.11074	.16859	.12344	1.36572	-15.02376	-15.05506
.900	8.501	.24975	.09937	.10457	.23231	.13520	1.71826	-14.99375	-15.00501
.900	9.578	.30685	.09969	.10297	.28599	.14936	1.91481	-14.99375	-15.00501
.900	10.681	.37308	.10062	.09617	.34797	.16803	2.07092	-14.98375	-15.01502
.899	11.767	.43791	.09959	.08593	.40840	.18680	2.18626	-15.01375	-15.02503
.900	12.867	.50076	.09976	.08016	.46597	.20877	2.23197	-15.03376	-15.05506
.900	13.941	.54616	.10181	.08238	.50555	.23039	2.19427	-15.03376	-15.04505
.899	15.013	.60018	.10184	.08146	.55331	.25383	2.17984	-15.03376	-15.06507
.901	17.174	.70953	.10165	.08060	.64788	.30663	2.11293	-14.97374	-15.02503
.899	19.357	.81074	.09995	.08569	.73178	.36303	2.01576	-14.98375	-15.04505
GRADIENT		.06471	-.00119	-.00873	.06262	-.00643	.38505	-.00501	-.00128

DATE 12 NOV 73

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3027) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLP = JO
 ELEVON = -15.000 A:1 RON = .000

RUN NO. 139/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.199	-4.098	-.48106	.18811	.21992	-.46639	.22201	-2.10074	-14.94187	-14.98124
1.201	-2.371	-.35763	.18674	.18652	-.34960	.20138	-1.73604	-15.03188	-15.0730
1.201	-1.255	-.27881	.18523	.16421	-.27469	.19130	-1.43592	-15.03188	-15.0811
1.202	-.159	-.20028	.18404	.14289	-.19977	.18460	-1.08220	-15.02188	-15.02127
1.201	.960	-.12933	.18211	.12512	-.13236	.17992	-.73570	-15.02188	-15.02127
1.201	2.055	-.05630	.18022	.10850	-.06273	.17809	-.35222	-15.02188	-15.05129
1.201	3.153	.01015	.17887	.09475	.00030	.17915	.00167	-15.01188	-14.98124
1.201	4.252	.07712	.17733	.08126	.06376	.18256	.34928	-15.02188	-14.99124
1.200	5.343	.14410	.17565	.06912	.12712	.18831	.67506	-15.01188	-15.02127
1.200	6.464	.21035	.17358	.05737	.18947	.19616	.96592	-15.06188	-15.05129
1.202	7.558	.27642	.17141	.04742	.25147	.20628	1.21907	-15.01188	-15.05129
1.200	8.664	.34302	.16860	.03867	.31370	.21834	1.43674	-15.03188	-15.04128
1.198	9.783	.40984	.16556	.03104	.37575	.23279	1.61412	-15.03188	-15.05129
1.200	10.888	.48033	.16244	.02249	.44100	.25024	1.76229	-15.01188	-15.03127
1.201	11.998	.54645	.15987	.01556	.50128	.26997	1.85681	-15.04188	-15.05129
1.201	13.095	.61126	.15845	.00957	.55947	.29282	1.91061	-15.05188	-15.09132
1.201	14.220	.67394	.15709	.00438	.61471	.31783	1.93409	-15.03188	-15.03127
1.200	15.313	.73453	.15495	-.00004	.66753	.34343	1.94372	-15.01188	-15.05129
1.200	16.418	.79649	.15222	-.00456	.72099	.37114	1.94265	-15.02188	-15.09132
1.199	17.508	.85547	.14999	-.00862	.77071	.40041	1.92480	-15.05188	-15.10133
1.200	19.698	.96102	.14427	-.01204	.85616	.45975	1.86222	-15.04188	-15.10133
GRADIENT		.06688	-.00135	-.01669	.06356	-.00459	.30169	-.00501	.00411

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 172/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.900	-.42234	.06584	.12265	-.41688	.09441	-4.41552	-9.97000	-9.97873
.601	-2.270	-.33791	.07010	.11638	-.33487	.08343	-4.01379	-9.99000	-9.99875
.601	-1.193	-.28614	.07198	.11389	-.28458	.07792	-3.65220	-10.00000	-9.99875
.600	-.154	-.23273	.07304	.11166	-.23254	.07366	-3.15673	-9.99000	-9.99875
.601	.919	-.17851	.07323	.11086	-.17966	.07036	-2.55357	-9.99000	-10.00876
.600	1.962	-.13124	.07225	.10965	-.13364	.06771	-1.97371	-10.00000	-9.99975
.600	3.054	-.07560	.07006	.10749	-.07922	.06593	-1.20160	-10.01000	-9.99875
.600	4.112	-.02485	.06705	.10644	-.02960	.06510	-.45466	-10.00000	-10.00876
.600	5.139	.02492	.06300	.10494	.01918	.06498	.29513	-10.01000	-10.02878
.600	6.203	.08060	.05743	.10482	.07392	.06580	1.12334	-10.01000	-10.04879
.601	7.275	.13325	.05144	.10501	.12566	.06790	1.85059	-10.01000	-10.02878
.600	8.337	.18645	.04531	.10450	.17791	.07187	2.47563	-10.01000	-10.03878
.600	9.391	.24173	.03869	.10420	.23218	.07762	2.99121	-10.02000	-10.03878
.600	10.457	.29769	.03187	.10474	.28696	.08537	3.36148	-10.02000	-10.03878
.600	11.537	.35686	.02410	.10544	.34483	.09498	3.63049	-10.04000	-10.03878
.600	12.612	.41301	.01788	.10534	.39914	.10763	3.70859	-10.04000	-10.03878
.600	13.658	.47657	.02298	.09882	.45767	.13486	3.39370	-10.07000	-10.03878
.600	14.753	.53520	.02463	.09572	.51128	.16011	3.19330	-10.10000	-10.05880
.600	16.866	.65716	.02535	.09028	.62153	.21493	2.89185	-10.16000	-10.06881
.600	19.016	.78402	.02534	.08323	.73298	.27941	2.62329	-10.08000	-10.07882
GRADIENT		.04950	.00014	-.00187	.04823	-.00355	.50428	-.00343	-.00247

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 165/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-4.037	-.44274	.06920	.12890	-.43677	.10020	-4.35915	-9.98250	-10.00000
.701	-2.341	-.34572	.07291	.12099	-.34246	.08697	-3.93752	-9.97249	-10.00000
.701	-1.285	-.29134	.07454	.11679	-.28960	.08105	-3.57298	-10.02251	-10.01001
.701	-.204	-.23457	.07559	.11393	-.23430	.07642	-3.06591	-10.03251	-10.00000
.701	.862	-.18257	.07567	.11194	-.18368	.07292	-2.51900	-10.03251	-10.00000
.701	1.926	-.12476	.07446	.11054	-.12719	.07023	-1.81112	-10.01250	-10.00000
.701	2.997	-.07636	.07240	.10856	-.08004	.06830	-1.17184	-10.02251	-10.01001
.701	4.061	-.01931	.06892	.10735	-.02414	.06738	-.35833	-10.03251	-10.02002
.701	5.151	.03513	.06462	.10615	.02919	.06751	.43236	-10.03251	-10.00000
.700	6.202	.08941	.05918	.10556	.08249	.06849	1.20446	-10.03251	-10.00000
.701	7.270	.14111	.05372	.10518	.13318	.07115	1.87183	-10.03251	-10.00000
.701	8.357	.19994	.04737	.10429	.19093	.07592	2.51478	-10.04251	-10.02002
.701	9.436	.26063	.04114	.10317	.25036	.08331	3.00510	-10.03251	-10.01001
.701	10.526	.32289	.03764	.10140	.31058	.09599	3.23545	-10.04251	-10.02002
.700	11.571	.37866	.03945	.09634	.36305	.11461	3.16786	-10.07252	-10.04004
.701	12.653	.43599	.04176	.09294	.41625	.13625	3.05516	-10.06252	-10.04004
.701	13.712	.49257	.04435	.08942	.46802	.15984	2.92794	-10.04251	-10.05005
.701	14.794	.54669	.04280	.08990	.51764	.18097	2.86030	-10.03251	-10.06006
.701	16.965	.68135	.04087	.08637	.63977	.23790	2.68929	-10.00250	-10.02002
.701	19.108	.79914	.03930	.08526	.74224	.29874	2.48460	-9.99250	-10.02002
GRADIENT		.05177	-.00000	-.00252	.05044	-.00389	.50182	-.00612	-.00167

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC SFT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 143/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-4.166	-.46668	.07866	.14362	-.45974	.11236	-4.09179	-9.99125	-10.00751
.800	-2.340	-.35205	.08147	.13018	-.34843	.09577	-3.63819	-10.01125	-10.02752
.800	-1.235	-.28685	.08251	.12381	-.28501	.08867	-3.21431	-10.01125	-10.00751
.800	-.166	-.22820	.08275	.11925	-.22796	.08341	-2.73253	-10.02125	-10.01751
.800	.904	-.16928	.08245	.11566	-.17056	.07977	-2.13810	-10.02125	-10.03753
.800	1.992	-.11261	.08093	.11296	-.11535	.07696	-1.49882	-10.00125	-10.00751
.800	3.053	-.05422	.07858	.11045	-.05833	.07558	-.77169	-10.01125	-10.01751
.800	4.143	.00360	.07498	.10733	-.00183	.07504	-.02440	-9.98125	-9.98749
.801	5.226	.06348	.07108	.10439	.05674	.07656	.74105	-9.98125	-9.99750
.801	6.316	.12944	.06712	.09994	.12127	.08095	1.49814	-9.97125	-10.01751
.800	7.398	.19147	.06389	.09488	.18165	.08802	2.06384	-9.98125	-10.03753
.800	8.486	.25672	.06163	.09012	.24482	.09884	2.47679	-9.98125	-10.01751
.800	9.575	.31240	.06096	.08874	.29791	.11207	2.65824	-9.98125	-9.99750
.800	10.625	.35937	.06144	.09015	.34188	.12664	2.69959	-9.98125	-9.99750
.800	11.710	.41143	.06235	.09039	.39022	.14455	2.69949	-9.99125	-10.00751
.800	12.785	.46570	.06243	.08868	.44033	.16394	2.68603	-10.00125	-10.02752
.800	13.863	.52203	.06418	.08568	.49144	.18739	2.62251	-10.01125	-9.98749
.800	14.938	.57816	.06599	.08176	.54161	.21280	2.54518	-10.00125	-10.00751
.801	17.111	.69853	.06596	.08061	.64820	.26857	2.41356	-10.00125	-9.99750
.801	19.284	.81930	.06600	.08048	.75154	.33288	2.25771	-9.99125	-9.99750
.800	GRADIENT	.05607	-.00042	-.00413	.05460	-.00429	.50045	.00077	.00159

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 161/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-4.066	-.50413	.09851	.17924	-.49588	.13400	-3.70055	-10.00250	-9.98999
.900	-2.413	-.39211	.10127	.16452	-.38750	.11769	-3.29260	-9.99250	-10.02002
.900	-1.320	-.31752	.10216	.15558	-.31508	.10945	-2.87884	-9.99250	-10.03003
.900	-.230	-.25238	.10150	.14693	-.25197	.10252	-2.45783	-10.00250	-10.04004
.901	.874	-.18492	.10089	.13976	-.18643	.09805	-1.90136	-10.01250	-10.05005
.900	1.972	-.11300	.09857	.12937	-.11633	.09463	-1.22930	-10.01250	-10.02002
.900	3.062	-.03929	.09696	.11918	-.04441	.09472	-.46896	-10.03251	-10.04004
.900	4.179	.03349	.09497	.10796	.02648	.09705	.27288	-10.05251	-10.04004
.900	5.256	.10538	.09348	.09765	.09637	.10274	.93798	-10.01250	-10.00000
.899	6.356	.17032	.09144	.08969	.15915	.10973	1.45036	-10.00250	-10.00000
.899	7.448	.23885	.09042	.07976	.22512	.12062	1.86635	-10.01250	-10.04004
.900	8.525	.29329	.09085	.08092	.27658	.13332	2.07450	-10.00250	-10.02002
.899	9.625	.34601	.09080	.07965	.32596	.14738	2.21171	-9.98250	-10.01001
.900	10.694	.40832	.09183	.07315	.38419	.16500	2.31441	-10.00250	-10.02002
.899	11.763	.46528	.09187	.06740	.43678	.18480	2.36357	-10.00250	-10.02002
.900	12.864	.51913	.09304	.06438	.48538	.20628	2.35298	-10.01250	-10.04004
.899	13.933	.57036	.09301	.06443	.53119	.22761	2.33375	-10.01250	-10.03003
.900	15.015	.62574	.09302	.06135	.58027	.25196	2.30304	-10.01250	-10.00000
.900	17.201	.73839	.09249	.06110	.67802	.30671	2.21060	-10.05251	-10.02002
.900	19.374	.84511	.09213	.06515	.76670	.36726	2.08763	-9.98250	-10.04004
GRADIENT		.06466	-.00057	-.00845	.06284	-.00448	.48996	-.00628	-.00467

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 154/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-4.185	-.52843	.10742	.19768	-.51918	.14570	-3.56346	-10.00250	-10.01001
.921	-2.411	-.40883	.10957	.18108	-.40386	.12667	-3.18829	-9.99250	-10.02002
.920	-1.310	-.33603	.11005	.17199	-.33342	.11771	-2.83270	-10.00250	-10.02002
.921	-.220	-.26436	.10997	.16291	-.26393	.11098	-2.37821	-10.00250	-10.01001
.921	.874	-.19550	.10887	.15260	-.19713	.10587	-1.86200	-9.99250	-10.02002
.921	1.962	-.12242	.10719	.14031	-.12602	.10293	-1.22431	-9.99250	-9.96997
.921	3.069	-.04313	.10527	.12775	-.04870	.10281	-.47369	-10.00250	-10.00000
.920	4.177	.03014	.10355	.11581	.02252	.10547	.21355	-10.01250	-10.00000
.920	5.276	.10428	.10166	.10348	.09449	.11082	.85261	-10.01250	-10.04004
.921	6.372	.17194	.10054	.09567	.15972	.11900	1.34213	-10.01250	-10.01001
.920	7.467	.24068	.09878	.08630	.22580	.12922	1.74739	-10.00250	-10.02002
.920	8.555	.29632	.09874	.08657	.27833	.14172	1.96388	-9.98250	-9.96997
.920	9.631	.35856	.09874	.07799	.33699	.15734	2.14185	-9.97249	-10.03003
.920	10.723	.42628	.09855	.06770	.40049	.17615	2.27366	-9.97249	-10.02002
.920	11.820	.48755	.09824	.06114	.45708	.19603	2.33174	-9.99250	-9.98999
.920	12.888	.54052	.09851	.05705	.50493	.21659	2.33132	-10.01250	-10.01001
.920	13.974	.59797	.09884	.05384	.55641	.24032	2.31530	-10.00250	-10.00000
.920	15.058	.65416	.09842	.05047	.60612	.26499	2.28731	-9.99250	-10.01001
.920	17.248	.77378	.09686	.04408	.71026	.32194	2.20618	-9.97249	-10.02002
.920	19.421	.88103	.09565	.04625	.79909	.38316	2.08550	-9.99250	-10.02002
GRADIENT		.06658	-.00057	-.00974	.06460	-.00477	.46327	-.00076	.00307

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 153/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-4.173	-.53935	.12469	.21978	-.52884	.16361	-3.23238	-10.02251	-10.03003
.951	-2.424	-.41870	.12362	.19635	-.41310	.14122	-2.92523	-10.02251	-10.03003
.951	-1.329	-.34297	.12349	.18490	-.34001	.13141	-2.58740	-10.00250	-10.01001
.950	-.207	-.26938	.12283	.17391	-.26893	.12380	-2.17233	-10.00250	-10.04004
.950	.882	-.19637	.12186	.16144	-.19823	.11882	-1.66823	-9.99250	-10.01001
.950	1.987	-.11867	.12073	.14753	-.12279	.11655	-1.05356	-10.00250	-10.02002
.950	3.089	-.04193	.11911	.13313	-.04829	.11668	-.41384	-10.01250	-9.97998
.950	4.209	.03971	.11740	.11885	.03098	.11999	.25821	-10.00250	-10.01001
.950	5.298	.11350	.11597	.10558	.10230	.12595	.81225	-9.99250	-10.03003
.950	6.401	.18833	.11406	.09374	.17444	.13434	1.29843	-9.99250	-10.02002
.950	7.490	.25928	.11256	.08334	.24240	.14540	1.66711	-9.99250	-9.97998
.950	8.580	.32211	.11106	.07546	.30194	.15787	1.91258	-10.01250	-9.98999
.950	9.693	.39705	.10921	.06380	.37300	.17450	2.13750	-9.99250	-10.03003
.950	10.784	.46155	.10799	.05491	.43320	.19244	2.25106	-10.00250	-10.02002
.950	11.878	.52846	.10665	.04536	.49519	.21314	2.32333	-10.00250	-10.03003
.950	12.958	.59064	.10564	.03200	.55191	.23539	2.34467	-10.01250	-10.00000
.950	14.045	.64967	.10517	.02706	.60472	.25970	2.32857	-10.00250	-10.03003
.950	15.148	.71072	.10460	.02339	.65869	.28669	2.29759	-9.99250	-9.98999
.950	17.333	.83039	.10426	.01694	.76162	.34691	2.19543	-9.99250	-10.01001
.950	19.502	.94423	.10280	.01354	.85574	.41212	2.07643	-9.99250	-10.01001
GRADIENT		.06870	-.00084	-.01180	.06644	-.00505	.42816	.00212	.00396

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = -10.000 AILRON = .000

RUN NO. 148/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.230	-.53246	.14619	.22337	-.52023	.18507	-2.81098	-10.01125	-10.04754
.981	-2.390	-.40587	.14485	.19856	-.39948	.16165	-2.47119	-10.02125	-10.00751
.981	-1.271	-.32790	.14422	.18616	-.32462	.15146	-2.14323	-10.02125	-10.02752
.981	-.161	-.25679	.14363	.17499	-.25639	.14436	-1.77607	-10.03125	-10.03753
.980	.935	-.18050	.14262	.16214	-.18280	.13965	-1.30893	-10.02125	-10.04754
.980	2.040	-.10397	.14109	.14846	-.10892	.13730	-.79334	-10.03125	-10.02752
.980	3.133	-.02808	.13952	.13465	-.03566	.13778	-.25885	-10.03125	-10.04754
.980	4.247	.04818	.13820	.12081	.03781	.14139	.26742	-10.03125	-10.05754
.980	5.366	.12913	.13637	.10543	.11581	.14785	.78326	-10.01125	-10.02752
.980	6.458	.20335	.13532	.09236	.18684	.15733	1.18754	-10.02125	-10.02752
.980	7.556	.27251	.13446	.08211	.25246	.16912	1.49278	-10.03125	-10.02752
.980	8.655	.34198	.13416	.07213	.31789	.18410	1.72677	-10.03125	-10.03753
.980	9.756	.41236	.13360	.06237	.38376	.20154	1.90409	-10.04126	-10.04754
.980	10.855	.48375	.13268	.05044	.45011	.22140	2.03297	-10.04126	-10.02752
.980	11.949	.55087	.13166	.04018	.51168	.24286	2.10689	-10.07126	-10.06755
.980	13.048	.61872	.13223	.03143	.57289	.26850	2.13367	-10.04126	-10.07756
.980	14.149	.68457	.13223	.02698	.63148	.29556	2.13653	-10.05126	-10.08757
.980	15.246	.74757	.13084	.02243	.68686	.32281	2.12774	-10.05126	-9.96748
.981	17.436	.86700	.12988	.01712	.78824	.38370	2.05431	-10.03125	-10.03753
.981	19.622	.99370	.12526	.00890	.89393	.45168	1.97911	-10.01125	-10.01751
GRADIENT	.06839	-.00094	-.01189	.06578	-.00500	.57480	-.00220	-.00256	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 147/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-4.215	-.47341	.16447	.20167	-.46004	.19883	-2.31377	-9.98125	-9.96748
1.120	-2.346	-.34701	.16213	.17541	-.34008	.17620	-1.93012	-10.04126	-10.02752
1.121	-1.242	-.26475	.16145	.15617	-.26118	.16715	-1.56256	-10.02125	-10.03753
1.120	-.127	-.18742	.16097	.13760	-.18706	.16138	-1.15915	-10.04126	-10.05754
1.120	.979	-.11014	.16145	.11897	-.11288	.15955	-.70752	-10.04126	-10.07756
1.120	2.080	-.03602	.16072	.10118	-.04183	.15931	-.26255	-10.06126	-10.03753
1.120	3.187	.03964	.15979	.08521	.03069	.16175	.18975	-10.06126	-10.05754
1.121	4.303	.11328	.15942	.07092	.10100	.16747	.60306	-10.08126	-10.06755
1.120	5.387	.18424	.15863	.05805	.16854	.17523	.96181	-9.95124	-9.97748
1.120	6.497	.25213	.15700	.04552	.23275	.18452	1.26139	-9.97125	-10.02752
1.121	7.586	.31409	.15600	.03930	.29075	.19610	1.48268	-9.96125	-10.01751
1.120	8.684	.37666	.15315	.03179	.34922	.20827	1.67679	-9.99125	-10.04754
1.120	9.788	.44202	.14994	.02468	.41010	.22291	1.83977	-10.02125	-10.02752
1.121	10.905	.50732	.14734	.01936	.47029	.24066	1.95419	-10.04126	-10.05754
1.120	12.010	.57058	.14479	.01516	.52796	.26035	2.02792	-10.04126	-10.07756
1.120	13.118	.63552	.14366	.01115	.58633	.28415	2.06348	-10.06126	-10.00751
1.120	14.219	.70451	.14272	.00448	.64787	.31139	2.08056	-10.04126	-10.00751
1.120	15.335	.77153	.14148	-.00310	.70664	.34048	2.07543	-10.06126	-10.07756
1.121	17.529	.89564	.14012	-.01292	.81185	.40338	2.01262	-10.09126	-10.08757
1.121	19.719	.99995	.13455	-.01484	.89557	.46405	1.93062	-10.07126	-10.07756
1.120	GRADIENT	.06918	-.00051	-.01575	.06622	-.00342	.35678	-.00959	-.00930

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 138/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.044	-.41743	.17287	.18289	-.40420	.20187	-2.00225	-10.03125	-10.02752
1.200	-2.310	-.29880	.17149	.15246	-.29164	.18340	-1.59024	-10.10126	-10.07756
1.200	-1.209	-.22499	.17084	.13293	-.22134	.17555	-1.26084	-10.08126	-10.12760
1.200	-.106	-.15009	.16978	.11348	-.14977	.17005	-.88074	-10.09126	-10.11759
1.201	.981	-.08071	.16844	.09637	-.08358	.16703	-.50039	-10.05126	-10.12760
1.201	2.093	-.01005	.16706	.08037	-.01615	.16658	-.09692	-10.03125	-10.06755
1.201	3.192	.05828	.16566	.06515	.04897	.16865	.29037	-9.96125	-9.94746
1.201	4.287	.12274	.16464	.05246	.11009	.17336	.63505	-9.94124	-9.98749
1.201	5.395	.19386	.16346	.03982	.17763	.18096	.98159	-9.96125	-10.01751
1.201	6.484	.25829	.16177	.02863	.23838	.18990	1.25526	-9.99125	-10.02752
1.201	7.588	.32390	.15997	.01950	.29994	.20134	1.48972	-10.01125	-10.04754
1.201	8.700	.38668	.15748	.01211	.35841	.21416	1.67361	-10.02125	-10.01751
1.200	9.793	.44854	.15510	.00640	.41562	.22913	1.81391	-10.02125	-10.02752
1.200	10.924	.51452	.15246	.00059	.47630	.24720	1.92680	-10.03125	-10.05754
1.200	12.012	.57882	.14988	-.00477	.53495	.26705	2.00317	-10.10126	-10.10758
1.201	13.132	.64526	.14910	-.01133	.59451	.29180	2.03736	-10.09126	-10.11759
1.201	14.239	.70965	.14774	-.01747	.65151	.31776	2.05036	-10.09126	-10.07756
1.200	15.331	.77078	.14625	-.02237	.70469	.34484	2.04353	-10.05126	-9.98749
1.200	17.536	.89192	.14257	-.03224	.80751	.40469	1.99538	-10.04126	-10.07756
1.200	19.729	.99910	.13713	-.03383	.89416	.46635	1.91737	-10.09126	-10.03753
GRADIENT		.06495	-.00102	-.01579	.06188	-.00327	.32646	.01486	.01044

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 336.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 171/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.838	-.32474	.06078	.07609	-.31994	.08238	-3.88379	-4.96000	-5.03441
.601	-2.182	-.24581	.06498	.07215	-.24316	.07429	-3.27313	-4.95000	-5.02440
.600	-1.142	-.19324	.06684	.07087	-.19187	.07068	-2.71462	-4.96000	-5.05442
.600	-.098	-.14507	.06759	.06956	-.14495	.06784	-2.13674	-4.95000	-5.05442
.600	.959	-.09525	.06736	.06886	-.09636	.06576	-1.46546	-4.95000	-5.05442
.600	2.048	-.04309	.06617	.06792	-.04543	.06458	-.70337	-4.93000	-5.04441
.601	3.090	.01102	.06370	.06662	.00757	.06420	.11798	-4.95000	-5.07444
.600	4.168	.06162	.06038	.06577	.05707	.06470	.88200	-4.94000	-5.05442
.601	5.217	.11268	.05594	.06503	.10713	.06595	1.62434	-4.94000	-5.06443
.600	6.289	.16617	.05019	.06478	.15967	.06809	2.34505	-4.94000	-5.06443
.600	7.322	.21952	.04389	.06491	.21214	.07150	2.96678	-5.05000	-5.06443
.600	8.395	.27468	.03727	.06455	.26629	.07697	3.45958	-5.04000	-5.07444
.601	9.466	.32645	.03096	.06404	.31691	.08423	3.76252	-5.06000	-5.05442
.600	10.524	.38449	.02361	.06494	.37371	.09343	3.99974	-5.07000	-5.04441
.600	11.623	.44354	.01660	.06525	.43110	.10562	4.08169	-5.09000	-5.09446
.600	12.659	.50450	.01590	.06124	.46875	.12608	3.87644	-5.11000	-5.13449
.601	13.713	.56263	.01812	.05703	.54230	.15098	3.59185	-5.11000	-5.26461
.600	14.817	.62471	.02163	.05171	.59841	.18067	3.31218	-5.10000	-5.25460
.600	16.940	.75351	.02216	.04556	.71435	.24075	2.96721	-5.14000	-5.08445
.600	19.086	.88180	.02178	.03611	.82621	.30892	2.67454	-5.14000	-5.13449
GRADIENT		.04825	-.00008	-.00119	.04708	-.00214	.60920	.00249	-.00384

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 174/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.893	-.34255	.06351	.08296	-.33745	.08662	-3.89556	-5.02000	-5.04441
.701	-2.214	-.25426	.06692	.07787	-.25149	.07669	-3.27906	-5.02000	-5.04441
.700	-1.157	-.20056	.06851	.07508	-.19913	.07254	-2.74502	-5.03000	-5.04441
.700	-.114	-.15116	.06911	.07321	-.15102	.06942	-2.17555	-5.02000	-5.05442
.700	.969	-.09435	.06884	.07214	-.09550	.06724	-1.42042	-5.02000	-5.05442
.699	2.046	-.04171	.06735	.07076	-.04409	.06581	-.66988	-5.02000	-5.03441
.700	3.105	.01240	.06484	.06908	.00887	.06542	.13566	-5.03000	-5.03441
.700	4.191	.06357	.06136	.06793	.05892	.06584	.89494	-5.02000	-5.05442
.700	5.261	.11711	.05680	.06716	.11141	.06730	1.65551	-5.01000	-5.03441
.700	6.349	.17731	.05078	.06651	.17061	.07007	2.43473	-5.02000	-5.03441
.700	7.400	.23114	.04535	.06592	.22338	.07474	2.98854	-5.01000	-5.03441
.700	8.462	.28754	.03935	.06480	.27862	.08123	3.43000	-5.01000	-5.04441
.700	9.550	.34781	.03401	.06321	.33735	.09125	3.69709	-5.00000	-5.04441
.700	10.607	.40936	.03254	.06052	.39638	.10734	3.69274	-4.99000	-5.02440
.700	11.699	.46088	.03625	.05642	.44396	.12895	3.44285	-5.01000	-5.05442
.700	12.744	.51340	.03890	.05352	.49217	.15119	3.25529	-5.02000	-5.04441
.701	13.817	.57212	.04051	.05036	.54589	.17597	3.10218	-5.04000	-5.03441
.700	14.905	.63387	.03832	.04883	.60268	.20007	3.01233	-5.05000	-5.05442
.700	17.066	.77312	.03712	.04032	.72819	.26237	2.77538	-5.05000	-5.07444
.699	19.226	.90035	.03610	.03718	.83824	.33058	2.53569	-5.04000	-5.06443
GRADIENT		.05020	-.00027	-.00176	.04900	-.00245	.60947	-.00023	.00009

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 175/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.959	-.36549	.06921	.09329	-.35984	.09427	-3.81708	-5.01000	-5.03441
.801	-2.336	-.27369	.07188	.08671	-.27054	.08297	-3.26061	-5.00000	-5.03441
.801	-1.208	-.20771	.07331	.08111	-.20612	.07767	-2.65377	-5.02000	-5.04441
.801	-.213	-.15981	.07367	.07803	-.15954	.07426	-2.14821	-5.02000	-5.04441
.801	.926	-.09605	.07321	.07590	-.09722	.07165	-1.35689	-5.01000	-5.04441
.801	2.045	-.03975	.07178	.07384	-.04229	.07031	-.60142	-5.03000	-4.98436
.800	3.114	.01665	.06936	.07195	.01286	.07016	.18328	-5.02000	-4.99437
.800	4.013	.06590	.06652	.07020	.06108	.07097	.86070	-5.02000	-5.00438
.801	5.306	.13241	.06247	.06741	.12606	.07444	1.69338	-5.02000	-5.02440
.800	6.339	.19285	.05925	.06386	.18512	.08018	2.30894	-5.02000	-5.02440
.801	7.377	.24967	.05738	.06041	.24024	.08896	2.70063	-5.02000	-5.03441
.800	8.423	.30499	.05618	.05767	.29347	.10025	2.92732	-5.02000	-5.03441
.800	9.554	.36242	.05566	.05662	.34815	.11504	3.02628	-5.03000	-5.05442
.800	10.732	.41599	.05537	.05685	.39841	.13186	3.02138	-5.02000	-5.03441
.801	11.789	.46951	.05704	.05626	.44796	.15176	2.95182	-5.05000	-5.03441
.800	12.813	.51550	.05779	.05555	.48984	.17067	2.87005	-5.06000	-5.07444
.800	13.804	.56752	.06009	.05191	.53679	.19377	2.77032	-5.02000	-5.04441
.801	14.929	.63863	.06000	.04615	.60162	.22250	2.70397	-5.02000	-5.03441
.800	17.147	.77004	.06012	.03945	.71809	.28448	2.52426	-5.03000	-5.07444
.799	19.295	.89226	.05997	.03398	.82233	.35143	2.33996	-5.09000	-5.08445
GRADIENT		.05369	-.00034	-.00279	.05239	-.00276	.60151	-.00202	.00617

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 130

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 160/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-4.092	-.40836	.08491	.11963	-.40126	.11384	-3.52478	-5.00125	-4.99499
.900	-2.338	-.28860	.08778	.10476	-.28478	.09948	-2.86263	-4.99125	-5.00501
.900	-1.246	-.22114	.08854	.09569	-.21916	.09333	-2.34820	-5.00125	-5.02503
.900	-.161	-.15322	.08894	.08846	-.15297	.08937	-1.71169	-5.00125	-5.00501
.900	.935	-.08527	.08874	.08156	-.08671	.08734	-.99275	-5.00125	-5.01502
.900	2.054	-.01386	.08769	.07273	-.01700	.08714	-.19504	-5.01125	-5.01502
.899	3.145	.05197	.08652	.06486	.04715	.08924	.52827	-5.01125	-5.03504
.900	4.227	.11756	.08590	.05758	.11091	.09433	1.17574	-5.01125	-4.95495
.900	5.309	.18165	.08487	.05203	.17302	.10131	1.70778	-5.04126	-4.96496
.900	6.393	.23651	.08452	.05079	.22563	.11033	2.04511	-5.01125	-4.97497
.899	7.468	.28699	.08489	.04843	.27352	.12147	2.25171	-5.03126	-4.97497
.900	8.558	.34525	.08474	.04764	.32879	.13517	2.43242	-4.99125	-4.98498
.900	9.646	.39650	.08443	.04633	.37675	.14967	2.51715	-4.96124	-4.99499
.900	10.724	.44933	.08532	.04308	.42561	.16744	2.54187	-4.96124	-4.99499
.900	11.797	.50664	.08630	.03876	.47830	.18806	2.54330	-4.98125	-5.00501
.900	12.865	.55396	.08644	.03471	.52081	.20761	2.50864	-5.01125	-5.03504
.901	13.972	.61947	.08664	.03114	.58022	.23365	2.48329	-5.02126	-5.07508
.900	15.044	.67570	.08588	.02749	.63025	.25832	2.43983	-5.02126	-5.03504
.899	17.216	.78853	.08486	.02563	.72808	.31444	2.31549	-5.04126	-5.02503
.899	19.405	.89548	.08479	.02645	.81644	.37749	2.16283	-5.04126	-5.03504
GRADIENT		.06292	.00001	-.00736	.06130	-.00227	.58651	-.00199	.00133

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 176/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.922	-3.976	-.39899	.09430	.12691	-.39149	.12173	-3.21592	-5.01000	-5.02440
.921	-2.385	-.29613	.09560	.11174	-.29190	.10784	-2.70665	-5.01000	-5.02440
.921	-1.233	-.22284	.09641	.10263	-.22072	.10118	-2.18144	-5.02000	-5.03441
.921	-.161	-.15702	.09690	.09430	-.15675	.09735	-1.61027	-5.03000	-5.04441
.921	.924	-.08909	.09684	.08583	-.09064	.09539	-.95023	-5.03000	-5.06443
.921	1.981	-.01831	.09614	.07546	-.02162	.09545	-.22653	-5.02000	-5.07444
.920	3.146	.05707	.09494	.06587	.05177	.09793	.52864	-5.04000	-5.01439
.921	4.252	.12332	.09416	.05949	.11600	.10304	1.12579	-5.04000	-5.00438
.921	5.378	.18837	.09354	.05481	.17877	.11079	1.61364	-5.04000	-5.01439
.921	6.344	.23771	.09280	.05337	.22600	.11850	1.90724	-5.03000	-5.01439
.921	7.503	.29597	.09231	.05100	.28138	.13016	2.16175	-5.03000	-5.02440
.920	8.623	.35624	.09120	.04778	.33854	.14359	2.35773	-5.02000	-5.03441
.921	9.708	.41452	.09113	.04208	.39322	.15972	2.46190	-5.03000	-5.04441
.920	10.696	.46360	.09151	.03644	.43856	.17596	2.49230	-5.03000	-5.05442
.920	11.852	.52281	.09200	.03123	.49277	.19742	2.49605	-5.02000	-5.04441
.920	12.943	.58554	.09244	.02535	.54996	.22124	2.48582	-5.07000	-5.11448
.921	13.944	.64137	.09290	.02000	.60008	.24472	2.45212	-5.13000	-5.07444
.921	15.091	.70730	.09197	.01506	.65897	.27295	2.41426	-4.97000	-5.07444
.920	17.322	.82772	.09034	.00942	.76328	.33270	2.29423	-5.02000	-5.08445
.920	19.515	.93540	.08934	.01159	.85182	.39669	2.14732	-5.07000	-5.08445
GRADIENT		.06360	-.00004	-.00825	.06183	-.00217	.55024	-.00375	.00045

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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RC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 177/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.988	-.42648	.11084	.15470	-.41774	.14023	-2.97891	-4.99000	-5.00438
.950	-2.344	-.31640	.11064	.13270	-.31161	.12349	-2.52333	-5.01000	-5.03441
.951	-1.260	-.24161	.11119	.12169	-.23911	.11648	-2.05280	-5.00000	-5.04441
.951	-.157	-.16733	.11134	.11093	-.16703	.11179	-1.49407	-4.99000	-5.05442
.951	.887	-.09862	.11095	.09961	-.10032	.10941	-.91692	-4.99000	-5.02440
.951	2.043	-.02043	.10981	.08613	-.02433	.10901	-.22319	-5.01000	-5.04441
.951	3.132	.05163	.10843	.07445	.04563	.11109	.41079	-5.01000	-5.06443
.950	4.259	.12181	.10701	.06387	.11353	.11576	.98071	-5.01000	-4.98436
.950	5.352	.19457	.10562	.05414	.18387	.12330	1.49120	-5.02000	-4.99437
.950	6.443	.25655	.10407	.04802	.24325	.13220	1.84001	-5.02000	-5.00438
.950	7.583	.32447	.10233	.04164	.30813	.14425	2.13608	-5.02000	-5.00438
.949	8.700	.39388	.10099	.03216	.37407	.15941	2.34660	-5.06000	-5.04441
.949	9.700	.44802	.09981	.02731	.42480	.17387	2.44315	-5.09000	-5.05442
.949	10.767	.50779	.09931	.02087	.48029	.19242	2.49602	-5.07000	-5.06443
.950	11.890	.57267	.09928	.01294	.53993	.21514	2.50965	-5.08000	-5.11448
.950	13.052	.64180	.09963	.00005	.60271	.24200	2.49052	-5.12000	-5.08445
.950	14.208	.70752	.09940	-.00678	.66148	.27001	2.44982	-5.05000	-5.09446
.950	15.170	.76235	.09926	-.01101	.70981	.29529	2.40374	-5.03000	-5.09446
.950	17.351	.88111	.09878	-.01831	.81156	.35706	2.27289	-5.14000	-5.10447
.949	19.600	.99379	.09697	-.01872	.90368	.42472	2.12770	-4.99000	-4.97435
GRADIENT		.06675	-.00043	-.01090	.06472	-.00279	.50167	-.00182	-.00005

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 133

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 178/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.981	-.41722	.13161	.15741	-.40708	.16025	-2.54019	-4.94000	-4.99437
.981	-2.385	-.30813	.13096	.13583	-.30241	.14367	-2.10486	-5.00000	-5.03441
.981	-1.259	-.23188	.13069	.12349	-.22896	.13575	-1.68658	-5.02000	-5.04441
.981	-.057	-.15262	.13042	.11128	-.15249	.13057	-1.16785	-5.04000	-5.05442
.981	1.038	-.08427	.12964	.10003	-.08661	.12809	-.67614	-5.07000	-5.05442
.981	2.097	-.01336	.12879	.08830	-.01806	.12822	-.14086	-5.02000	-5.07444
.980	3.166	.05847	.12756	.07625	.05133	.13060	.39307	-5.04000	-4.92431
.980	4.252	.12676	.12678	.06542	.11702	.13583	.86147	-5.01000	-5.02440
.980	5.341	.19636	.12602	.05533	.18377	.14375	1.27847	-5.03000	-5.03441
.980	6.472	.26865	.12497	.04426	.25285	.15446	1.63697	-5.04000	-5.08445
.980	7.516	.33111	.12446	.03832	.31198	.16670	1.87151	-5.06000	-4.98436
.979	8.644	.40076	.12368	.02790	.37762	.18251	2.06902	-5.03000	-5.03441
.979	9.805	.47057	.12315	.01876	.44273	.20148	2.19734	-5.07000	-5.08445
.979	10.844	.53159	.12341	.01205	.49888	.22122	2.25511	-5.05000	-5.11448
.979	11.905	.59550	.12395	.00325	.55712	.24413	2.28204	-5.08000	-5.00438
.979	13.082	.66748	.12468	-.00436	.62193	.27253	2.28212	-5.08000	-5.10447
.979	14.108	.72428	.12460	-.00911	.67207	.29739	2.25990	-5.07000	-5.10447
.979	15.253	.79304	.12323	-.01370	.73268	.32752	2.23704	-5.08000	-5.14450
.978	17.369	.90965	.12056	-.01698	.83218	.38661	2.15251	-5.14000	-5.10447
.978	19.562	1.03871	.12012	-.02528	.93853	.46098	2.03594	-5.02000	-4.98436
.981									
	GRADIENT	.06596	-.00059	-.01099	.06358	-.00284	.42691	-.00799	.00208

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 134

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 137/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.989	-.34431	.15965	.13659	-.33237	.18321	-1.81414	-4.96062	-5.00375
1.201	-2.272	-.23405	.15904	.11047	-.22756	.16820	-1.35292	-5.07063	-5.03378
1.201	-1.173	-.16313	.15876	.09311	-.15985	.16206	-.98634	-5.02063	-5.06380
1.201	-.073	-.09228	.15864	.07606	-.09208	.15875	-.58000	-5.05063	-5.10383
1.201	1.023	-.02536	.15798	.06104	-.02817	.15750	-.17888	-5.04063	-5.04378
1.201	2.132	.04254	.15715	.04645	.03667	.15862	.23117	-5.07063	-5.06380
1.201	3.241	.10964	.15617	.03308	.10064	.16212	.62078	-5.05063	-5.09382
1.201	4.318	.17332	.15568	.02164	.16111	.16828	.95735	-5.04063	-5.10383
1.200	5.427	.23884	.15472	.01013	.22313	.17661	1.26339	-5.06063	-5.04378
1.200	6.539	.30429	.15338	-.00021	.28484	.18704	1.52293	-5.07063	-5.07381
1.200	7.627	.36548	.15130	-.00838	.34217	.19847	1.72405	-5.06063	-5.05379
1.200	8.724	.42424	.14856	-.01437	.39680	.21119	1.87891	-5.05063	-5.04378
1.200	9.830	.48781	.14601	-.02003	.45572	.22715	2.00623	-5.05063	-5.04378
1.200	10.942	.55367	.14420	-.02498	.51623	.24668	2.09276	-5.04063	-5.05379
1.200	12.035	.61555	.14236	-.03102	.57234	.26757	2.13898	-5.05063	-5.08381
1.200	13.150	.67850	.14164	-.03645	.62849	.29229	2.15021	-5.11064	-5.17388
1.200	14.264	.74716	.14030	-.04343	.68956	.32006	2.15444	-5.06063	-5.03378
1.200	15.359	.80416	.14062	-.04824	.73819	.34859	2.11763	-5.06063	-5.08381
1.201	17.573	.93000	.13853	-.05780	.84477	.41285	2.04621	-5.11064	-5.08381
1.201	19.759	1.03247	.13705	-.05754	.92535	.47803	1.93576	-5.15064	-5.18389
1.200	GRADIENT	.06234	-.00049	-.01396	.05948	-.00164	.34357	-.00676	-.00992

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 135

(RJ3030) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 170/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.599	-3.772	-.28193	.05975	.05411	-.27739	.07817	-3.54866	-2.54000	-2.49218
.600	-2.184	-.20216	.06420	.05152	-.19957	.07186	-2.77732	-2.53000	-2.50219
.601	-1.098	-.15276	.06584	.05038	-.15147	.06875	-2.20313	-2.53000	-2.50219
.600	-.060	-.10142	.06652	.04948	-.10135	.06663	-1.52117	-2.54000	-2.50219
.601	.995	-.05349	.06620	.04895	-.05463	.06526	-.83703	-2.54000	-2.50219
.600	2.041	-.00482	.06493	.04831	-.00713	.06471	-.11018	-2.53000	-2.52221
.600	3.143	.04990	.06242	.04684	.04640	.06506	.71320	-2.55000	-2.51220
.600	4.215	.10325	.05873	.04609	.09866	.06616	1.49116	-2.54000	-2.50219
.600	5.231	.15217	.05453	.04527	.14656	.06917	2.14982	-2.54000	-2.50219
.600	6.313	.20612	.04865	.04503	.19952	.07102	2.80926	-2.54000	-2.51220
.600	7.347	.26042	.04248	.04454	.25285	.07543	3.35205	-2.54000	-2.52221
.601	8.454	.31902	.03531	.04375	.31036	.08183	3.79263	-2.54000	-2.53222
.600	9.487	.37350	.02879	.04297	.36365	.08996	4.04228	-2.53000	-2.53222
.600	10.563	.42985	.02172	.04297	.41858	.10015	4.17942	-2.54000	-2.52221
.601	11.626	.49109	.01465	.04352	.47806	.11332	4.21881	-2.54000	-2.52221
.600	12.689	.55097	.01532	.03921	.53415	.13597	3.92837	-2.55000	-2.53222
.600	13.734	.60325	.01769	.03487	.58180	.16041	3.62695	-2.54000	-2.57225
.600	14.803	.66881	.02134	.02917	.64116	.19152	3.34781	-2.54000	-2.59227
.600	16.950	.79156	.02179	.02442	.75083	.25161	2.98412	-2.54000	-2.60228
.600	19.110	.93119	.02199	.01402	.87267	.32564	2.67989	-2.58000	-2.56224
.600	GRADIENT	.04784	-.00016	-.00094	.04670	-.00145	.63945	-.00101	-.00197

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 166/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.766	-.23720	.05982	.03192	-.23276	.07527	-3.09245	-.07000	-.05004
.600	-2.153	-.16364	.06388	.02986	-.16113	.06998	-2.30242	-.09000	-.03003
.600	-1.103	-.11080	.06571	.02935	-.10951	.06783	-1.61444	-.09000	-.05004
.600	-.047	-.06178	.06624	.02871	-.06172	.06629	-.93107	-.06000	-.05004
.600	1.008	-.01348	.06585	.02777	-.01463	.06560	-.22306	-.07000	-.03003
.600	2.082	.04283	.06443	.02673	.04046	.06594	.61355	.02000	-.03003
.600	3.139	.09258	.06196	.02566	.08904	.06694	1.33028	-.01000	-.04004
.600	4.200	.14594	.05825	.02430	.14128	.06878	2.05418	-.02000	-.03003
.600	5.270	.19797	.05355	.02345	.19222	.07151	2.68806	-.03000	-.04004
.600	6.323	.25311	.04778	.02268	.24631	.07537	3.26810	-.01000	-.04004
.600	7.370	.30254	.04205	.02194	.29465	.08052	3.65948	.00000	-.04004
.600	8.472	.36574	.03472	.02032	.35663	.08822	4.04244	-.01000	-.07006
.600	9.515	.41970	.02798	.01953	.40930	.09698	4.22063	.01000	-.07006
.601	10.571	.47632	.02091	.01986	.46440	.10794	4.30259	.00000	-.09008
.600	11.645	.53905	.01381	.01998	.52517	.12233	4.29309	.00000	-.07006
.600	12.706	.59449	.01271	.01720	.57713	.14315	4.03153	.00000	-.08007
.600	13.772	.64766	.01844	.01264	.62465	.17209	3.62984	.00000	-.09008
.600	14.842	.71363	.02182	.00764	.68423	.20390	3.35579	-.02000	-.10009
.600	16.983	.83033	.02234	.00421	.78760	.26390	2.98451	-.23000	-.10009
.600	19.153	.97381	.02312	-.00866	.91232	.34134	2.67277	-.02000	-.06005
.600	GRADIENT	.04815	-.00022	-.00090	.04700	-.00076	.66122	.01125	.00187

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 163/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.782	-.25166	.06190	.03595	-.24703	.07837	-3.15209	-.04001	.02003
.701	-2.221	-.17176	.06521	.03308	-.16910	.07182	-2.35449	-.04001	.01001
.701	-1.155	-.12007	.06677	.03192	-.11870	.06918	-1.71576	-.02001	.01001
.701	-.088	-.06708	.06742	.03053	-.06698	.06752	-.99201	-.03001	.00000
.701	.965	-.01853	.06702	.02979	-.01965	.06670	-.29462	-.02001	.01001
.701	2.038	.03810	.06539	.02866	.03575	.06671	.53592	-.03001	.01001
.701	3.101	.08751	.06308	.02719	.08397	.06772	1.23997	-.01000	.00000
.701	4.174	.14352	.05936	.02590	.13882	.06965	1.99298	-.02001	-.02002
.701	5.245	.19887	.05480	.02446	.19302	.07274	2.65345	-.03001	.00000
.701	6.341	.25775	.04902	.02326	.25076	.07719	3.24846	-.03001	.01001
.701	7.401	.31202	.04354	.02168	.30381	.08336	3.64434	-.03001	.02003
.700	8.478	.37218	.03747	.01977	.36258	.09193	3.94407	-.03001	.01001
.701	9.569	.43519	.03246	.01795	.42374	.10435	4.06075	-.03001	.00000
.701	10.630	.49068	.03145	.01721	.47646	.12143	3.92376	-.04001	-.05005
.701	11.685	.53456	.03646	.01536	.51610	.14397	3.58468	.01000	-.04004
.701	12.745	.58284	.03974	.01262	.55972	.16734	3.34475	.01000	-.06006
.701	13.827	.64862	.03940	.00947	.62041	.19327	3.21000	.02000	-.03003
.701	14.909	.71395	.03806	.00656	.68013	.22046	3.08498	.03000	-.04004
.701	17.075	.85813	.03735	-.00426	.80934	.28767	2.81345	.01000	.00000
.701	19.239	.97998	.03749	-.00726	.91289	.35831	2.54776	-.04001	-.03003
.701	GRADIENT	.04936	-.00032	-.00119	.04819	-.00101	.65929	.00292	-.00346

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 141/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.926	-.27591	.06667	.04458	-.27070	.08541	-3.16960	.00000	.00000
.800	-2.213	-.17980	.06917	.04047	-.17699	.07606	-2.32706	.01000	.00000
.800	-1.132	-.12825	.07020	.03808	-.12684	.07271	-1.74430	.00000	.00000
.800	-.044	-.07233	.07071	.03611	-.07228	.07076	-1.02143	.01000	.00000
.800	1.014	-.01692	.07013	.03473	-.01816	.06982	-.26008	.01000	.00000
.800	2.082	.03869	.06862	.03278	.03617	.06998	.51691	.01000	.00000
.800	3.164	.09666	.06605	.03139	.09286	.07129	1.30266	.00000	.00000
.800	4.259	.15742	.06271	.02901	.15233	.07423	2.05209	.02000	.00000
.800	5.340	.21581	.05943	.02627	.20934	.07926	2.64131	.01000	-.01001
.800	6.420	.27425	.05679	.02318	.26618	.08710	3.05608	.03000	-.02002
.800	7.500	.33067	.05553	.02160	.32059	.09822	3.26399	.02000	-.04003
.801	8.572	.38154	.05443	.02029	.36916	.11069	3.33509	.00000	-.04003
.800	9.649	.43614	.05391	.01954	.42094	.12625	3.33421	.00000	-.01001
.800	10.721	.48355	.05439	.02137	.46499	.14339	3.24291	-.01000	-.04003
.801	11.795	.53525	.05552	.02126	.51260	.16376	3.13014	-.05001	-.01001
.800	12.865	.58717	.05666	.01860	.55981	.18597	3.01022	.01000	-.04003
.800	13.956	.65126	.05917	.00962	.61777	.21448	2.88025	.01000	-.03002
.800	15.047	.73073	.05927	-.00006	.69029	.24694	2.79537	.00000	.03004
.800	17.229	.86659	.06020	-.01008	.80988	.31418	2.57778	.01000	.02003
.800	19.390	.97955	.06133	-.01136	.90363	.38305	2.35902	-.03000	.04006
.800	GRADIENT	.05242	-.00047	-.00182	.05117	-.00125	.65305	.00129	.00000

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 159/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.901	-4.024	-.30332	.08117	.05507	-.29687	.10226	-2.90315	.03000	-.05005
.900	-2.281	-.19547	.08298	.04468	-.19201	.09070	-2.11706	.02000	-.04004
.900	-1.197	-.12835	.08403	.03766	-.12657	.08669	-1.46007	.02000	-.05005
.901	-.092	-.06222	.08487	.03174	-.06208	.08497	-.73066	.02000	-.05005
.900	.991	.00178	.08429	.02678	.00032	.08431	.00377	.02000	.04006
.900	2.096	.06788	.08400	.02153	.06476	.08642	.74931	.02000	.04006
.900	3.172	.12575	.08370	.01861	.12092	.09053	1.33568	.03000	.01001
.901	4.272	.18352	.08327	.01785	.17681	.09671	1.82818	.03000	.01001
.901	5.357	.23732	.08252	.01790	.22858	.10432	2.19117	.02000	.01001
.901	6.435	.28717	.08174	.01807	.27620	.11341	2.43544	.03000	.02003
.900	7.513	.34015	.08162	.01493	.32656	.12540	2.60421	.03000	.01001
.900	8.581	.39138	.08130	.01402	.37487	.13879	2.70094	.04000	.00000
.901	9.670	.45009	.08072	.01145	.43014	.15517	2.77199	.00000	.00000
.900	10.752	.49924	.08135	.00907	.47530	.17306	2.74647	.00000	-.01001
.901	11.844	.55703	.08280	.00265	.52817	.19536	2.70357	.00000	.00000
.900	12.913	.61291	.08346	-.00265	.57876	.21832	2.65099	.00000	-.02002
.900	13.997	.67772	.08363	-.00757	.63738	.24506	2.60089	.01000	-.02002
.900	15.094	.73793	.08330	-.01179	.69078	.27259	2.53413	-.03001	-.05005
.900	17.271	.86366	.08247	-.01813	.80024	.33517	2.38759	.01000	-.02002
.901	19.450	.97362	.08315	-.02103	.89037	.40261	2.21152	-.01000	.02003
GRADIENT		.05892	.00020	-.00465	.05736	-.00055	.59800	.00042	.01061

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 155/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-4.038	-.31266	.09010	.05999	-.30554	.11189	-2.73063	.01000	.00000
.920	-2.265	-.19631	.09172	.04564	-.19249	.09948	-1.93497	.02000	.00000
.920	-1.193	-.13083	.09202	.03790	-.12889	.09473	-1.36059	.02000	.01001
.920	-.093	-.06107	.09246	.03089	-.06092	.09256	-.65812	.02000	.02003
.920	.991	.00565	.09235	.02368	.00405	.09244	.04385	.06000	.00000
.920	2.098	.07185	.09223	.01816	.06843	.09480	.72180	.02000	.03004
.920	3.189	.13151	.09180	.01554	.12620	.09897	1.27515	.02000	.02003
.920	4.300	.18952	.09080	.01497	.18217	.10475	1.73914	.02000	.03004
.920	5.361	.24181	.08976	.01359	.23237	.11196	2.07545	.02000	.02003
.920	6.450	.29935	.08903	.01192	.28745	.12209	2.35439	.03000	.03004
.921	7.526	.35337	.08832	.01187	.33876	.13384	2.53107	.04000	.00000
.920	8.605	.40437	.08747	.01099	.38673	.14698	2.63111	.05000	-.01001
.920	9.689	.46442	.08764	.00325	.44305	.16455	2.69247	.04000	.03004
.920	10.781	.52063	.08792	-.00345	.49499	.18376	2.69374	.03000	-.03003
.920	11.849	.57421	.08916	-.00531	.54367	.20516	2.65001	-.02001	-.02002
.920	12.935	.63527	.08974	-.01194	.59906	.22966	2.60844	.01000	.00000
.920	14.021	.69527	.09061	-.01797	.65261	.25636	2.54564	.02000	.02003
.920	15.133	.76632	.09044	-.02479	.71613	.28736	2.49215	.02000	.00000
.921	17.304	.88741	.08983	-.03278	.82053	.34972	2.34623	.00000	.00000
.920	19.487	.99788	.08847	-.03398	.91121	.41629	2.18886	-.07002	-.05005
	GRADIENT	.06039	.00008	-.00556	.05868	-.00067	.56015	.00123	.00360

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 151/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-4.064	-.34450	.10801	.09036	-.33598	.13215	-2.54240	-.03001	.01001
.950	-2.303	-.22332	.10792	.06774	-.21880	.11680	-1.87325	-.04001	.00000
.950	-1.209	-.14938	.10796	.05740	-.14707	.11108	-1.32392	.00000	.00000
.950	-.102	-.08032	.10773	.04809	-.08012	.10788	-.74274	.00000	.00000
.950	.999	-.00897	.10749	.03829	-.01084	.10732	-.10105	.01000	.00000
.950	2.085	.06012	.10627	.02822	.05621	.10839	.51860	.00000	.00000
.950	3.186	.13163	.10511	.01891	.12558	.11227	1.11859	.01000	.00000
.950	4.288	.19567	.10393	.01128	.18735	.11827	1.58401	.01000	.00000
.950	5.397	.26433	.10254	.00336	.25351	.12695	1.99696	.01000	.00000
.950	6.481	.32642	.10064	-.00077	.31297	.13684	2.28707	.00000	-.01001
.950	7.566	.38927	.09917	-.00525	.37282	.14956	2.49274	.02000	-.01001
.950	8.669	.44454	.09842	-.00955	.42463	.16429	2.58454	-.06002	-.02002
.950	9.752	.50566	.09736	-.01354	.48186	.18160	2.65341	-.01000	-.04004
.950	10.837	.56329	.09750	-.01851	.53492	.20167	2.65243	-.02001	-.01001
.950	11.913	.62306	.09799	-.02559	.58942	.22449	2.62554	.01000	.02003
.950	13.028	.69259	.09843	-.03677	.65257	.25202	2.58938	-.01000	.00000
.950	14.091	.75104	.09927	-.04384	.70427	.27914	2.52301	.00000	.02003
.950	15.193	.81314	.09972	-.05035	.75859	.30933	2.45234	-.03001	.00000
.950	17.380	.93572	.10114	-.05062	.86279	.37603	2.29449	.06000	.05007
.950	19.592	1.05023	.09971	-.04505	.95599	.44610	2.14301	.01000	-.02002
.950	GRADIENT	.06464	-.00048	-.00929	.06266	-.00147	.51426	.00558	-.00079

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 149/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.113	-.34904	.13040	.10292	-.33879	.15511	-2.18424	-.03000	.01001
.980	-2.279	-.22872	.12856	.08090	-.22342	.13755	-1.62428	.00000	-.03002
.980	-1.164	-.15345	.12799	.06930	-.15082	.13108	-1.15061	-.02000	.00000
.980	-.063	-.08288	.12749	.05907	-.08274	.12758	-.64852	.02000	.00000
.980	1.026	-.01324	.12699	.04917	-.01551	.12674	-.12242	.00000	-.02002
.980	2.141	.06114	.12608	.03800	.05639	.12828	.43955	.00000	-.01001
.980	3.242	.13237	.12514	.02752	.12508	.13243	.94452	.01000	.00000
.980	4.342	.20204	.12423	.01786	.19706	.13917	1.38002	.02000	.01001
.980	5.427	.26822	.12318	.00896	.25736	.14800	1.72545	.02000	.01001
.980	6.527	.33049	.12254	.00124	.31142	.15931	1.97360	.01000	-.03002
.980	7.616	.39569	.12209	-.00422	.37601	.17346	2.16773	-.01000	.00000
.980	8.716	.46510	.12170	-.01371	.44129	.19078	2.31313	.01000	-.03002
.980	9.809	.52687	.12167	-.01913	.49844	.20965	2.37750	.02000	.00000
.980	10.913	.59032	.12294	-.02535	.55637	.23248	2.39324	.02000	.02003
.979	12.009	.65577	.12386	-.03306	.61565	.25759	2.39006	.00000	-.02002
.981	13.099	.72300	.12514	-.04033	.67560	.28671	2.35639	.00900	.02003
.980	14.204	.78430	.12567	-.04317	.72948	.31427	2.32118	-.02000	.00000
.980	15.306	.84898	.12602	-.04633	.78560	.34566	2.27279	.02000	.03004
.981	17.494	.96812	.12633	-.05230	.88537	.41151	2.15153	.00000	-.03002
.979	19.684	1.09370	.12232	-.06189	.98859	.48356	2.04439	.01000	-.01001
GRADIENT	.06522	-.00068	-.00992	.06287	-.00167	.43842	.00462	.00078	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 145/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-4.108	-.33139	.14352	.10799	-.32025	.16689	-1.91890	.01000	.03004
1.120	-2.252	-.21097	.14354	.08591	-.20517	.15172	-1.35223	.01000	.01001
1.121	-1.144	-.13452	.14459	.06996	-.13161	.14725	-.89380	.01000	.00000
1.121	-.049	-.05933	.14542	.05355	-.05920	.14548	-.40697	.02000	-.01001
1.120	1.073	.01370	.14603	.03743	.01096	.14626	.07493	.02000	-.03002
1.120	2.167	.08680	.14663	.02245	.08119	.14980	.54199	.02000	-.01001
1.120	3.266	.15484	.14677	.00954	.14623	.15535	.94126	-.02000	-.04003
1.120	4.373	.22002	.14668	-.00148	.20820	.16303	1.27704	-.02000	-.01001
1.120	5.454	.28681	.14608	-.01184	.27163	.17268	1.57305	-.06001	-.04003
1.121	6.564	.35177	.14511	-.02050	.33287	.18437	1.80546	-.03000	-.05004
1.120	7.648	.40931	.14261	-.02550	.38669	.19581	1.97482	-.04001	-.06005
1.120	8.757	.47008	.14016	-.03022	.44326	.21010	2.10979	-.04001	-.05004
1.120	9.857	.52971	.13761	-.03417	.49834	.22626	2.20251	-.05001	-.03002
1.120	10.946	.59067	.13606	-.03891	.55409	.24575	2.25466	-.03000	-.05004
1.120	12.076	.65572	.13560	-.04226	.61285	.26978	2.27165	-.07001	-.03002
1.120	13.171	.72029	.13639	-.04790	.67027	.29692	2.25743	-.05001	.04006
1.120	14.275	.79459	.13731	-.05775	.73620	.32900	2.23773	-.01000	-.01001
1.120	15.391	.86073	.13806	-.06412	.79322	.36155	2.19395	-.07001	-.09007
1.120	17.586	.97883	.13809	-.07157	.89136	.42737	2.08566	-.05001	-.05004
1.119	19.769	1.08438	.13714	-.07469	.97409	.49583	1.96455	-.03000	-.09007
1.120	GRADIENT	.06559	.00046	-.01333	.06292	-.00018	.39306	-.00321	-.00607

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3031) (16 SEP 75)

PARAMETRIC DATA

BETA	=	2.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	.000	AILRON	=	.000

RUN NO. 134/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.991	-.29652	.15219	.10167	-.28521	.17245	-1.65384	.00000	.02003
1.201	-2.232	-.18383	.15254	.07451	-.17775	.15958	-1.11382	.00000	.00000
1.202	-1.132	-.11350	.15313	.05802	-.11045	.15534	-.71102	.03000	-.05004
1.201	-.037	-.04731	.15325	.04322	-.04721	.15328	-.30803	.04000	-.08006
1.200	1.061	.02074	.15246	.02823	.01791	.15281	.11722	.04999	-.08006
1.200	2.162	.08905	.15187	.01442	.08326	.15512	.53675	.02000	-.08006
1.200	3.268	.15337	.15146	.00187	.14449	.15996	.90328	-.04001	-.06005
1.200	4.351	.21428	.15084	-.00839	.20222	.16666	1.21338	-.05001	-.07005
1.201	5.439	.27749	.14989	-.01855	.26204	.17552	1.49295	-.08001	-.08006
1.200	6.551	.34222	.14874	-.02816	.32301	.18681	1.72911	-.12002	-.08006
1.200	7.644	.40729	.14758	-.03702	.38404	.20045	1.91587	-.05001	-.09007
1.200	8.749	.46371	.14520	-.04205	.43623	.21404	2.03806	-.04001	-.05004
1.200	9.853	.52632	.14338	-.04758	.49402	.23133	2.13551	-.05001	-.07005
1.200	10.968	.58802	.14135	-.05197	.55038	.25064	2.19587	-.10001	-.08006
1.200	12.067	.65272	.14052	-.05752	.60892	.27387	2.22335	-.11001	-.11008
1.200	13.164	.71699	.14076	-.06342	.66609	.30035	2.21773	-.11001	-.16012
1.200	14.290	.78839	.14225	-.07160	.72889	.33245	2.19250	.02000	.01001
1.200	15.376	.84572	.14329	-.07622	.77746	.36240	2.14533	.02000	-.04003
1.200	17.585	.96947	.14405	-.08592	.88065	.43021	2.04701	-.04001	-.08006
1.200	19.786	1.07660	.14241	-.08844	.96485	.49844	1.93572	-.09001	-.12009
1.200	GRADIENT	.06135	-.00019	-.01326	.05858	-.00054	.35386	-.00551	-.01081

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3032) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 169/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.745	-.19005	.06166	.01030	-.18562	.07394	-2.51025	2.50969	2.50313
.600	-2.089	-.11420	.06571	.00897	-.11173	.06983	-1.59994	2.51969	2.51314
.600	-1.076	-.06755	.06711	.00847	-.06627	.06836	-.96944	2.50969	2.51314
.601	.034	-.01480	.06764	.00769	-.01484	.06763	-.21945	2.50969	2.53317
.600	1.042	.03550	.06719	.00684	.03428	.06782	.50540	2.51969	2.54318
.600	2.108	.08541	.06570	.00537	.08294	.06880	1.20547	2.51969	2.52315
.601	3.179	.13886	.06301	.00419	.13515	.07062	1.91380	2.52968	2.52315
.600	4.249	.19170	.05901	.00305	.18680	.07305	2.55707	2.51969	2.51314
.600	5.275	.24111	.05487	.00173	.23505	.07680	3.06041	2.51969	2.51314
.600	6.337	.29462	.04897	.00077	.28741	.08119	3.54006	2.50969	2.53317
.601	7.403	.35176	.04246	-.00039	.34336	.08743	3.92719	2.49969	2.51314
.601	8.470	.41053	.03541	-.00205	.40084	.09549	4.19780	2.48969	2.50313
.600	9.524	.46654	.02851	-.00266	.45539	.10532	4.32402	2.46969	2.49312
.600	10.624	.52534	.02125	-.00202	.51241	.11774	4.35204	2.47969	2.49312
.600	11.688	.58052	.01481	-.00127	.56549	.13211	4.28052	2.47969	2.48310
.600	12.747	.64158	.01158	-.00345	.62322	.15286	4.07714	2.47969	2.47309
.600	13.790	.69223	.02093	-.00770	.65729	.18533	3.60057	2.48969	2.42303
.600	14.871	.75918	.02364	-.01375	.72768	.21769	3.34278	2.46969	2.45307
.599	16.988	.87502	.02420	-.01733	.82977	.27880	2.97624	2.44969	2.41302
.600	19.154	1.02036	.02552	-.02884	.95550	.35889	2.66239	2.46969	2.44305
GRADIENT		.04785	-.00035	-.00091	.04668	-.00005	.64799	.00173	.00184

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 168/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.742	-.14785	.06421	-.01288	-.14335	.07372	-1.94446	4.98938	5.03630
.601	-2.107	-.07307	.06818	-.01400	-.07051	.07082	-.99558	5.00937	5.01627
.600	-1.017	-.02065	.06963	-.01457	-.01941	.06999	-.27729	4.98938	5.02628
.600	.005	.02515	.06996	-.01551	.02515	.06996	.35944	4.97938	5.01627
.600	1.066	.07909	.06959	-.01639	.07778	.07105	1.09472	5.02937	5.00626
.600	2.131	.12690	.06818	-.01719	.12428	.07285	1.70599	5.02937	5.02628
.600	3.183	.18209	.06536	-.01872	.17818	.07537	2.36425	5.00937	5.04631
.600	4.285	.23537	.06140	-.01979	.23013	.07881	2.92008	4.97938	5.03630
.600	5.317	.29056	.05642	-.02129	.28408	.08310	3.41854	5.01937	5.02628
.600	6.417	.34338	.05077	-.02261	.33555	.08883	3.77741	4.97938	5.03630
.600	7.441	.39905	.04446	-.02370	.38993	.09577	4.07167	4.98938	5.04631
.601	8.506	.45543	.03783	-.02550	.44483	.10477	4.24566	4.97938	5.02628
.600	9.572	.51326	.03057	-.02556	.50104	.11549	4.33816	4.95938	5.01627
.600	10.630	.56996	.02349	-.02487	.55584	.12822	4.33505	4.95938	5.02628
.600	11.699	.62911	.01711	-.02477	.61257	.14432	4.24454	4.92938	4.99625
.600	12.775	.68954	.01543	-.02790	.66906	.16752	3.99383	4.94938	5.01627
.600	13.821	.74247	.02423	-.03257	.71518	.20090	3.55984	4.94938	4.97622
.599	14.899	.80945	.02601	-.03847	.77555	.23327	3.32470	4.97938	4.96621
.600	17.051	.92603	.02907	-.04214	.87680	.29933	2.92922	4.93938	5.04631
.600	19.188	1.06620	.03070	-.05465	.99688	.37942	2.62735	5.00937	5.01627
GRADIENT		.04780	-.00036	-.00086	.04658	.00069	.61755	.00114	.00133

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = 5.000 AILRON = .000

RUN NO. 158/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.901	-3.997	-.24896	.08493	.01626	-.24243	.10208	-2.37493	4.99000	4.99687
.900	-2.256	-.13795	.08577	.00773	-.13446	.09113	-1.47548	5.02000	4.99687
.901	-1.160	-.07119	.08658	.00222	-.06942	.08800	-.78885	5.01000	4.99687
.901	-.065	-.01142	.08695	-.00312	-.01132	.08697	-.13020	5.04000	5.01690
.300	1.032	.05484	.08668	-.00794	.05328	.08765	.60783	5.03000	5.02691
.900	2.121	.11601	.08642	-.01199	.11273	.09066	1.24349	4.98000	5.02691
.901	3.228	.18104	.08585	-.01574	.17591	.09590	1.83432	4.99000	5.02691
.900	4.304	.23923	.08495	-.01880	.23218	.10266	2.26155	5.01000	5.02691
.900	5.401	.29846	.08445	-.02271	.28918	.11217	2.57805	4.98000	5.01690
.900	6.473	.35433	.08382	-.02617	.34262	.12324	2.78017	5.01000	5.02691
.900	7.542	.40671	.08457	-.02846	.39209	.13722	2.85740	4.98000	5.00688
.900	8.624	.46122	.08440	-.03056	.44335	.15260	2.90531	4.99000	5.00688
.900	9.718	.52694	.08386	-.03611	.50522	.17161	2.94400	5.01000	4.97684
.901	10.813	.58614	.08487	-.04152	.55981	.19333	2.89567	4.98000	5.00688
.900	11.893	.63687	.08739	-.04789	.60523	.21665	2.79355	5.04000	4.95682
.901	12.968	.70547	.08938	-.05590	.66742	.24542	2.71950	4.99000	5.00688
.901	14.055	.76883	.09060	-.06363	.72380	.27461	2.63577	5.01000	5.01690
.901	15.160	.83503	.09089	-.06971	.78220	.30611	2.55534	5.04000	4.98686
.901	17.329	.95680	.09129	-.07694	.88618	.37214	2.38133	4.99000	5.04694
.901	19.501	1.06353	.09100	-.07391	.97216	.44081	2.20539	5.02000	5.01690
GRADIENT		.05855	.00001	-.00427	.05694	.00025	.57860	-.00086	.00474

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 136/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.964	-.24636	.15432	.06426	-.23511	.17098	-1.37503	5.09936	5.08699
1.201	-2.206	-.13588	.15478	.03911	-.12982	.15990	-.81193	5.09936	5.03693
1.201	-1.116	-.06654	.15510	.02359	-.06350	.15637	-.40609	5.09936	4.98686
1.201	-.017	.00165	.15529	.00895	.00170	.15529	.01094	4.91939	4.94680
1.201	1.088	.06659	.15533	-.00434	.06363	.15657	.40642	4.98938	4.89673
1.202	2.174	.13133	.15496	-.01733	.12536	.15983	.79434	4.92938	4.89671
1.202	3.290	.19497	.15493	-.02914	.18576	.16587	1.11995	4.81940	4.87671
1.201	4.367	.25842	.15473	-.03960	.24589	.17396	1.41348	4.84939	4.88672
1.202	5.469	.32422	.15456	-.05039	.30801	.18475	1.66714	5.00937	4.88672
1.202	6.569	.39016	.15467	-.06208	.36990	.19829	1.86549	5.00937	5.04694
1.202	7.670	.45336	.15328	-.07023	.42885	.21242	2.01887	4.94938	4.95682
1.200	8.770	.51373	.15114	-.07596	.48468	.22770	2.12861	4.99938	4.98686
1.199	9.896	.57765	.14927	-.08227	.54341	.24632	2.20611	5.05937	5.10702
1.200	11.004	.64180	.14826	-.08771	.60170	.26803	2.24488	5.03937	5.06697
1.200	12.076	.70275	.14794	-.09278	.65624	.29169	2.24982	4.98938	5.03693
1.201	13.209	.77197	.14902	-.10044	.71749	.32148	2.23186	4.95938	4.95682
1.201	14.298	.83838	.15033	-.10758	.77528	.35272	2.19804	4.91939	4.94680
1.201	15.421	.90043	.15116	-.11288	.82782	.38515	2.14933	4.93938	4.94680
1.200	17.634	1.02093	.15053	-.12340	.92736	.45272	2.04841	4.93938	4.94680
1.200	19.804	1.13032	.15048	-.12763	1.01248	.52453	1.93025	4.91939	4.99587
GRADIENT		.06047	.00004	-.01249	.05765	.00051	.34258	-.03663	-.02632

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 167/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.697	-.08413	.07158	-.04679	-.07934	.07686	-1.03226	10.03875	10.08260
.600	-2.067	-.00596	.07556	-.04744	-.00323	.07573	-.04260	10.02875	10.07259
.600	-1.011	.04411	.07694	-.04853	.04546	.07615	.59703	10.02875	10.07259
.600	.065	.09294	.07724	-.04939	.09285	.07734	1.20049	10.00875	10.08260
.600	1.102	.14235	.07653	-.04999	.14085	.07925	1.77733	9.99875	10.06260
.600	2.159	.19298	.07491	-.05109	.19002	.08213	2.31381	9.99875	10.08260
.600	3.220	.24568	.07217	-.05188	.24124	.08585	2.80989	9.97875	10.08260
.600	4.288	.29778	.06820	-.05360	.29185	.09027	3.23304	9.99875	10.06258
.600	5.352	.35408	.06313	-.05579	.34665	.09588	3.61535	9.99875	10.07259
.601	6.415	.41015	.05730	-.05808	.40118	.10277	3.90361	9.97875	10.01252
.600	7.498	.46758	.05130	-.06103	.45689	.11187	4.08405	9.99875	10.01252
.600	8.550	.53297	.04448	-.06499	.52044	.12323	4.22330	10.00875	9.98248
.600	9.621	.59483	.03786	-.06726	.58013	.13674	4.24261	9.99875	10.00250
.600	10.715	.66087	.03065	-.06913	.64364	.15299	4.20708	9.99875	9.98248
.600	11.826	.72332	.02473	-.07111	.70290	.17244	4.07624	9.98875	10.02253
.600	12.846	.76964	.03044	-.07298	.74361	.20079	3.70344	9.98875	9.99249
.601	13.877	.83507	.03320	-.07859	.80273	.23251	3.45243	9.92876	9.95244
.601	14.956	.89973	.03454	-.08362	.86033	.26556	3.23964	9.95876	10.00250
.600	17.078	1.00834	.04026	-.08553	.95206	.33462	2.84519	10.01875	9.95244
.599	19.229	1.15247	.04101	-.09595	1.07467	.41829	2.56920	10.04874	9.83229
GRADIENT		.04767	-.00046	-.00084	.04632	.00173	.53816	-.00678	-.00067

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = 10.000 AILRON = .000

RUN NO. 164/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CO	L/D	ELVN-L	ELVN-R
.700	-3.820	-.10623	.07252	-.04203	-.10116	.07943	-1.27356	9.94000	10.00376
.700	-2.127	-.02499	.07641	-.04388	-.02214	.07729	-.28641	10.01000	9.97371
.700	-1.071	.02646	.07784	-.04486	.02791	.07734	.36084	10.00000	9.97371
.701	.009	.08069	.07828	-.04605	.08068	.07829	1.03044	10.00000	9.98373
.701	1.067	.13459	.07781	-.04793	.13311	.08030	1.65769	10.00000	10.01377
.701	2.131	.18509	.07623	-.04977	.18213	.08306	2.19272	9.99000	10.01377
.701	3.213	.24105	.07346	-.05182	.23655	.08685	2.72356	9.98000	10.03380
.701	4.287	.29973	.06951	-.05417	.29370	.09172	3.20200	10.01000	10.02378
.701	5.358	.35623	.06488	-.05693	.34861	.09786	3.56238	10.00000	10.02378
.701	6.434	.41669	.05948	-.06026	.40740	.10580	3.85080	9.98000	9.99374
.700	7.504	.48391	.05410	-.06599	.47270	.11684	4.04582	9.99000	9.99374
.700	8.587	.55115	.04901	-.07117	.53766	.13075	4.11211	9.98000	9.98373
.701	9.682	.62002	.04480	-.07576	.60365	.14844	4.06667	9.98000	10.01377
.700	10.742	.67460	.04447	-.07642	.65449	.16943	3.86279	10.00000	9.97371
.701	11.796	.71558	.04930	-.07603	.69039	.19455	3.54873	10.01000	9.99374
.700	12.861	.76624	.05014	-.07686	.73586	.21945	3.35324	10.00000	9.97371
.700	13.954	.82485	.05246	-.07968	.78785	.24983	3.15362	10.01000	10.01377
.701	15.026	.89159	.05442	-.08485	.84699	.28371	2.98539	10.01000	9.96370
.700	17.178	1.02554	.05526	-.09321	.96346	.35569	2.70875	9.99000	10.01377
.701	19.363	1.15364	.05619	-.09634	1.06976	.43550	2.45640	10.01000	10.01377
.701			-.00038	-.00149	.04855	.00157	.55882	.00373	.00595
	GRADIENT	.04992							

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 142/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.937	-.14224	.07692	-.03043	-.13663	.08650	-1.57945	10.01875	10.01377
.800	-2.116	-.04637	.07963	-.03518	-.04339	.08129	-.53382	10.00875	10.03380
.800	-1.049	.00850	.08084	-.03725	.00997	.08067	.12364	10.00875	10.02378
.800	.034	.06851	.08135	-.03953	.06846	.08139	.84108	10.00875	10.02378
.800	1.114	.12698	.08085	-.04276	.12538	.08331	1.50509	10.01875	10.02378
.800	2.181	.18348	.07940	-.04652	.18032	.08632	2.08899	10.00875	10.02378
.800	3.266	.24610	.07713	-.05040	.24131	.09103	2.65097	10.01875	10.03380
.800	4.363	.31043	.07400	-.05501	.30391	.09740	3.12023	10.00875	10.03380
.800	5.439	.37433	.07105	-.05997	.36591	.10621	3.44499	10.01875	10.04381
.800	6.536	.44058	.06858	-.06515	.42991	.11829	3.63446	10.00875	10.03380
.800	7.616	.50059	.06691	-.07093	.48731	.13267	3.67320	9.99875	10.04381
.800	8.682	.55432	.06630	-.07220	.53796	.14922	3.60510	9.95876	9.95369
.800	9.765	.60398	.06638	-.07118	.58397	.16786	3.47898	9.96875	9.98373
.801	10.834	.64994	.06804	-.06993	.62557	.18899	3.31006	10.00875	10.01377
.800	11.913	.70719	.06906	-.07206	.67770	.21355	3.17344	10.00875	9.97371
.800	12.992	.76675	.07093	-.07697	.73118	.24149	3.02771	9.99875	10.01377
.801	14.077	.83354	.07295	-.08523	.79076	.27350	2.89127	9.99875	9.91363
.801	15.178	.91779	.07630	-.10031	.86580	.31393	2.75798	9.95876	10.01377
.801	17.354	1.04646	.07844	-.10831	.97543	.38699	2.52053	10.01875	10.00376
.801	19.495	1.12880	.08025	-.09809	1.03730	.45236	2.29310	10.00875	10.01377
GRADIENT	.05439	-.00035	-.00290	.05294	.05294	.05294	.57885	-.00018	.00155

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPCBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 157/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.971	-.21570	.09012	-.00115	-.20894	.10484	-1.99281	9.97000	10.00376
.901	-2.230	-.10757	.09179	-.01303	-.10391	.09591	-1.08343	9.99000	10.02378
.900	-1.130	-.03742	.09261	-.01935	-.03559	.09333	-.38131	10.00000	10.03380
.900	-.036	.02966	.09321	-.02641	.02971	.09319	.31885	10.01000	10.00376
.900	1.049	.09780	.09355	-.03408	.09607	.09533	1.00783	9.99000	10.02378
.901	2.158	.16991	.09383	-.04370	.16626	.10016	1.65999	9.99000	10.01377
.900	3.253	.23830	.09294	-.05137	.23265	.10631	2.18839	9.99000	10.01377
.901	4.349	.30619	.09265	-.05880	.29828	.11560	2.59035	9.99000	9.99374
.901	5.425	.36659	.09213	-.06411	.35624	.12638	2.81877	9.98000	10.02378
.900	6.515	.43091	.09198	-.07154	.41769	.14028	2.97756	9.97000	9.96370
.900	7.606	.49015	.09365	-.07908	.47344	.15770	3.00225	9.99000	10.00376
.900	8.695	.55119	.09365	-.08341	.53069	.17590	3.01710	10.00000	9.99374
.900	9.779	.61808	.09328	-.09016	.59326	.19691	3.01285	9.99000	10.01377
.900	10.868	.67310	.09463	-.09467	.64318	.21984	2.92567	9.98000	9.99374
.901	11.949	.73128	.09772	-.10208	.69521	.24700	2.81458	9.97000	9.96370
.901	13.036	.79546	.10055	-.11055	.75228	.27739	2.71203	9.99000	10.00376
.900	14.129	.86301	.10185	-.11861	.81204	.30943	2.62432	10.00000	10.02378
.901	15.226	.92295	.10332	-.12336	.86342	.34208	2.52403	9.98000	9.99374
.900	17.395	1.04386	.10495	-.12848	.96474	.41223	2.34031	9.99000	10.05382
.901	19.558	1.14018	.10464	-.12183	1.03936	.48028	2.16406	10.02000	10.03380
GRADIENT	.06285	.00030	-.00699	.06112	.00142	.57141	.00113	-.00146	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 156/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-4.000	-.24379	.09686	.01309	-.23644	.11363	-2.08075	10.07000	10.03380
.920	-2.248	-.12384	.09912	-.00510	-.11985	.10390	-1.15353	10.05000	10.06384
.920	-1.154	-.04807	.10008	-.01540	-.04604	.10103	-.45575	10.04000	10.04381
.920	-.036	.02276	.10120	-.02506	.02282	.10119	.22551	10.01000	9.99374
.920	1.050	.10078	.10157	-.03700	.09891	.10340	.95655	10.02000	9.99374
.920	2.143	.16992	.10191	-.04764	.16599	.10819	1.53419	10.02000	10.02378
.920	3.255	.24312	.10155	-.05704	.23696	.11519	2.05717	10.02000	10.00376
.920	4.351	.31125	.10034	-.06479	.30274	.12366	2.44807	10.03000	10.00376
.920	5.433	.37680	.10064	-.07249	.36558	.13587	2.69065	10.01000	9.98373
.920	6.531	.43784	.10066	-.07836	.42355	.14981	2.82717	9.97000	9.98373
.920	7.609	.49882	.10117	-.08410	.48103	.16634	2.89191	9.97000	10.00376
.920	8.701	.56032	.10102	-.08825	.53859	.18462	2.91732	9.97000	9.98373
.920	9.796	.62140	.10145	-.09593	.59508	.20569	2.89300	9.96000	9.98373
.920	10.886	.68538	.10229	-.10317	.65373	.22999	2.84369	9.97000	9.98373
.920	11.974	.74849	.10415	-.11113	.71060	.25717	2.76310	10.01000	10.03380
.919	13.053	.80569	.10635	-.11809	.76066	.28557	2.66435	10.00000	10.00376
.920	14.149	.87342	.10811	-.12609	.82050	.31834	2.57746	10.05000	10.05382
.920	15.230	.93655	.10937	-.13175	.87493	.35155	2.48877	10.00000	9.99374
.920	16.337	1.00223	.11048	-.13639	.93069	.38793	2.39913	9.97000	9.99374
.920	17.425	1.06241	.11138	-.14081	.98030	.42442	2.30975	10.02000	9.97371
.920	18.589	1.15874	.11177	-.13355	1.05420	.49380	2.13488	10.02000	9.97371
.920	GRADIENT	.06659	.00045	-.00944	.06472	.00141	.56214	-.00514	-.00575

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 152/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.951	-4.010	-.23389	.12170	.01026	-.22481	.13776	-1.63187	10.03000	9.98373
.951	-2.253	-.11760	.12063	-.01021	-.11277	.12516	-.90098	10.02000	10.02378
.951	-1.157	-.04001	.12078	-.02263	-.03756	.12156	-.30900	10.04000	10.03380
.951	-.047	.03207	.12131	-.03324	.03217	.12129	.26522	10.04000	9.99374
.951	1.044	.10540	.12097	-.04493	.10318	.12287	.83975	10.03000	10.01377
.950	2.151	.17571	.12023	-.05610	.17107	.12674	1.34980	10.02000	10.00376
.950	3.244	.25115	.11918	-.06855	.24400	.13320	1.83184	10.02000	9.98373
.951	4.370	.32821	.11808	-.08039	.31825	.14275	2.22946	9.97000	10.02378
.951	5.457	.39792	.11742	-.09072	.38495	.15473	2.48182	9.96000	9.97371
.950	6.560	.47239	.11618	-.10198	.45603	.16939	2.69225	9.98000	10.02378
.950	7.642	.53503	.11425	-.10802	.51508	.18439	2.79342	9.99000	10.01377
.950	8.748	.59954	.11350	-.11367	.57531	.20337	2.82893	9.99000	9.98373
.950	9.837	.65884	.11329	-.11773	.62980	.22419	2.80921	10.01000	10.01377
.950	10.933	.72383	.11422	-.12380	.68903	.24943	2.76242	9.99000	9.99374
.950	12.027	.79033	.11460	-.13253	.74910	.27676	2.70666	9.96000	10.03380
.950	13.107	.85044	.11659	-.14400	.80185	.30640	2.61695	10.03000	9.98373
.950	14.197	.91092	.11780	-.14822	.85420	.33761	2.53015	10.00000	9.99374
.951	15.281	.97313	.11955	-.15314	.90721	.37180	2.44008	9.98000	9.98373
.951	17.466	1.09541	.12182	-.16124	1.00834	.44498	2.26606	10.03000	10.01377
.949	19.638	1.19343	.12431	-.15655	1.08224	.51816	2.08864	10.01000	10.05382
GRADIENT		.06689	-.00035	-.01070	.06466	.00080	.47573	-.00490	.00038

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 155

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

PARAMETRIC DATA

RUN NO. 150/ 6 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-4.056	-.23031	.14440	.01590	-.21952	.16033	-1.36923	9.98875	10.01377
.980	-2.203	-.10431	.14212	-.00623	-.09877	.14602	-.67637	9.99875	10.01377
.980	-1.108	-.03624	.14142	-.01769	-.03350	.14209	-.23577	9.98875	10.02378
.980	-.002	.03902	.14160	-.02876	.03902	.14159	.27558	9.98875	10.02378
.980	1.101	.11237	.14145	-.04022	.10964	.14358	.76357	9.98875	10.02378
.980	2.201	.18314	.14067	-.05095	.17760	.14760	1.20324	9.97875	10.00373
.980	3.290	.25469	.13974	-.06302	.24625	.15412	1.59776	9.97875	10.05382
.980	4.405	.33004	.13889	-.07508	.31839	.16383	1.94345	9.97875	10.05382
.980	5.507	.40294	.13872	-.08690	.38777	.17674	2.19395	10.01875	10.02378
.980	6.622	.47727	.13873	-.09818	.45808	.19284	2.37543	10.00875	9.96370
.980	7.709	.54599	.13821	-.10842	.52252	.21020	2.48582	10.00875	10.01377
.980	8.806	.61103	.13815	-.11490	.58268	.23006	2.53278	9.98875	9.98373
.979	9.895	.67788	.13829	-.12153	.64403	.25271	2.54846	9.98875	9.99374
.981	11.012	.74345	.14063	-.12932	.70290	.28005	2.50992	10.02875	9.97371
.980	12.100	.81088	.14194	-.13678	.76311	.30877	2.47148	10.00875	10.02378
.980	13.183	.87267	.14339	-.14248	.81697	.33864	2.41252	9.97875	9.99374
.980	14.295	.94031	.14374	-.14751	.87571	.37147	2.35741	9.99875	10.05382
.980	15.386	1.00480	.14443	-.15166	.93047	.40585	2.29263	9.98875	10.02378
.980	17.585	1.12244	.14612	-.15396	1.02534	.47841	2.14428	9.83877	10.02378
.980	19.766	1.23771	.14610	-.15972	1.11538	.55607	2.00581	9.97875	10.01377
.980	GRADIENT	.06601	-.00055	-.01058	.06340	.00067	.40269	-.00196	.00421

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 146/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-4.057	-.22703	.15827	.02984	-.21526	.17394	-1.23759	9.97875	10.04381
1.121	-2.202	-.10650	.15760	.00721	-.10037	.16158	-.62118	9.98875	10.02378
1.120	-1.105	-.03201	.15739	-.00809	-.02897	.15797	-.18337	9.98875	10.02378
1.120	.008	.04179	.15807	-.02444	.04177	.15808	.26421	9.97875	10.03380
1.121	1.114	.11690	.15849	-.04017	.11380	.16073	.70799	9.98875	10.01377
1.120	2.218	.19018	.15862	-.05521	.18390	.16586	1.10874	9.95876	10.01377
1.121	3.318	.25998	.15335	-.06902	.25032	.17413	1.43756	9.96875	9.98373
1.120	4.419	.32829	.15935	-.08071	.31503	.18418	1.71050	9.95876	9.98373
1.120	5.520	.39505	.15902	-.09133	.37793	.19628	1.92548	9.94876	9.95369
1.120	6.620	.46203	.15649	-.10209	.44068	.21070	2.09148	9.95876	9.97371
1.120	7.714	.52935	.15725	-.11155	.50345	.22688	2.21902	9.93876	9.95369
1.121	8.826	.59550	.15586	-.12015	.56453	.24539	2.30053	9.95876	9.97371
1.120	9.919	.65662	.15264	-.12336	.62051	.26346	2.35521	9.93876	9.95369
1.121	11.032	.71797	.15125	-.12664	.67576	.28585	2.36401	9.93876	10.00376
1.120	12.125	.78085	.15061	-.13169	.73179	.31126	2.35107	9.94876	9.98373
1.120	13.247	.85138	.15157	-.13926	.79399	.34263	2.31737	9.96875	9.98373
1.120	14.358	.92002	.15295	-.14529	.85336	.37631	2.26768	9.95876	9.96370
1.120	15.472	.98248	.15352	-.14836	.90592	.41005	2.20927	9.93876	9.93366
1.121	17.657	1.10079	.15467	-.15732	1.00202	.48127	2.08202	9.96875	9.97371
1.119	19.841	1.20986	.15289	-.16213	1.08615	.55444	1.95900	9.91876	9.96370
GRADIENT		.06593	.00020	-.01338	.06302	.00145	.35982	-.00310	-.00681

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 135/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.910	-.20012	.16445	.03061	-.18844	.17771	-1.06038	10.05874	10.05382
1.201	-2.193	-.09079	.16470	.00561	-.08442	.16806	-.50236	10.09874	10.00376
1.200	-1.087	-.02391	.16462	-.00935	-.02079	.16505	-.12594	10.12873	9.97371
1.200	.013	.04556	.16455	-.02488	.04552	.16456	.27660	10.12873	9.94367
1.201	1.099	.11198	.16458	-.03909	.10980	.16670	.65267	10.06874	10.03380
1.201	2.208	.17934	.16423	-.05312	.17288	.17102	1.01086	10.03875	10.00376
1.201	3.294	.24443	.16406	-.06616	.23460	.17783	1.31923	10.01875	10.03380
1.202	4.404	.31022	.16350	-.07823	.29675	.18684	1.58827	9.98875	10.00376
1.201	5.490	.37436	.16312	-.09003	.35704	.19819	1.80149	9.95876	10.00376
1.201	6.615	.44274	.16242	-.10164	.42108	.21234	1.98309	9.90876	9.96370
1.201	7.707	.50739	.16115	-.11066	.48119	.22774	2.11293	9.88876	9.89360
1.200	8.810	.57219	.15975	-.11945	.54097	.24551	2.20346	9.96875	10.01377
1.200	9.929	.63739	.15789	-.12529	.60061	.26543	2.26281	9.97875	9.97371
1.199	11.014	.70075	.15653	-.13137	.65794	.28753	2.28827	9.95876	9.98373
1.199	12.124	.76732	.15567	-.13816	.71751	.31335	2.28981	9.99875	10.00376
1.201	13.260	.83622	.15638	-.14486	.77806	.34401	2.26176	9.98875	9.96370
1.202	14.334	.89943	.15724	-.15048	.83250	.37502	2.21987	9.97875	9.97371
1.201	15.441	.95610	.15768	-.15414	.87961	.40654	2.16366	9.96875	9.94367
1.200	17.665	1.07632	.15820	-.16234	.97756	.47735	2.04790	9.98875	10.01377
1.200	19.850	1.18581	.15752	-.16471	1.06186	.55082	1.92776	9.97875	10.00376
	GRADIENT	.06136	-.00011	-.01313	.05837	.00125	.32570	-.01192	-.00074

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3035) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 173/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.906	-.24017	.05866	.03149	-.23562	.07488	-3.14642	.06999	.03004
.600	-2.205	-.16503	.06303	.02966	-.16248	.06933	-2.34350	.05999	.02003
.600	-1.132	-.11385	.06494	.02913	-.11254	.06718	-1.67536	-.01000	.03004
.600	-.060	-.06328	.06556	.02826	-.06321	.06562	-.96330	-.02000	.02003
.600	1.029	-.00941	.06527	.02789	-.01058	.06509	-.16260	-.03000	.01001
.600	2.115	.04430	.06381	.02672	.04192	.06540	.64092	-.04000	.02003
.600	3.187	.09414	.06136	.02575	.09058	.06650	1.36219	-.04000	.02003
.601	4.290	.15101	.05733	.02478	.14629	.06846	2.13691	-.04000	.02003
.600	5.388	.20496	.05225	.02367	.19915	.07126	2.79469	-.03000	.01001
.600	6.487	.25935	.04648	.02321	.25244	.07548	3.34452	-.05000	.02003
.600	7.548	.31502	.03974	.02202	.30707	.08078	3.80158	-.04000	.01001
.600	8.648	.37070	.03302	.02107	.36152	.08839	4.09017	-.04000	.00000
.600	9.747	.43045	.02541	.02008	.41993	.09792	4.28835	-.04000	.00000
.600	10.850	.49155	.01732	.02045	.47950	.10954	4.37760	-.05000	-.03003
.600	11.939	.54966	.00998	.02171	.53571	.12346	4.33900	-.06000	-.04004
.600	13.030	.60837	.01130	.01853	.59015	.14817	3.98292	-.10000	-.07006
.600	14.129	.66775	.01470	.01330	.64396	.17726	3.63279	-.01000	-.07006
.600	15.251	.73394	.01805	.00877	.70335	.21047	3.34171	.00000	-.05004
.600	17.411	.85103	.01990	.00796	.80608	.27364	2.94579	-.01000	-.16014
.600	19.679	1.01585	.01628	-.00743	.95104	.35741	2.66093	-.04000	-.36032
GRADIENT	.04789	-.00017	-.00078	.04676	-.00073	.66204	-.01454	-.00129	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3035) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDEER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 144/ 0 RN/L = 5.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.799	-4.293	-.29637	.06453	.04484	-.29071	.08653	-3.35949	.00000	.01001
.800	-2.387	-.19587	.06740	.04009	-.19289	.07550	-2.55484	.01000	.02003
.800	-1.256	-.13377	.06900	.03777	-.13223	.07192	-1.83854	.00000	.01001
.799	-.112	-.07538	.06945	.03590	-.07524	.06960	-1.08117	.01000	.02003
.799	1.039	-.01421	.06874	.03438	-.01546	.06847	-.22573	.00000	.01001
.799	2.156	.04107	.06708	.03268	.03852	.06858	.56168	.01000	.01001
.801	3.298	.10242	.06441	.03114	.09855	.07019	1.40398	.01000	.02003
.800	4.434	.16138	.06093	.02920	.15619	.07322	2.13302	.01000	.00000
.799	5.579	.22509	.05660	.02662	.21852	.07821	2.79397	.02000	.02003
.800	6.723	.28886	.05358	.02332	.28060	.08702	3.22442	.01000	.00000
.799	7.860	.34879	.05159	.02151	.33845	.09881	3.42544	.00000	-.03002
.800	8.982	.40444	.05014	.02122	.39166	.11267	3.47607	-.06001	.03004
.800	10.130	.46428	.04959	.02009	.44832	.13048	3.43608	-.03000	.00000
.800	11.261	.52253	.04881	.02116	.50293	.14991	3.35498	-.04001	-.04003
.800	12.374	.57070	.05131	.02065	.54645	.17241	3.16945	-.03000	-.02002
.799	13.512	.63054	.05370	.01610	.60054	.19953	3.00973	.00000	.00000
.800	14.646	.69752	.05729	.00515	.66037	.23179	2.84897	-.02000	.01001
.800	15.774	.75476	.05969	.00223	.71011	.26262	2.70397	-.06001	-.04003
.800	18.097	.90096	.06009	-.00741	.83773	.33698	2.48597	.00000	.02003
.800	20.366	1.01442	.05982	-.00168	.93019	.40912	2.27367	.04000	.04006
GRADIENT	.05236	-.00041	-.00171	.05113	-.00139	.65305	.00092	-.00072	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3036) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 223/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-4.108	-.54938	.09007	.17776	-.54152	.12920	-4.19135	-18.01450	-22.01201
.599	-2.334	-.45004	.09383	.16801	-.44584	.11208	-3.97773	-18.02451	-22.02202
.600	-1.273	-.39342	.09602	.16472	-.39119	.10474	-3.73500	-18.02451	-22.02202
.600	-.217	-.34265	.09720	.16229	-.34228	.09849	-3.47511	-18.03451	-22.02202
.599	.842	-.29020	.09742	.15992	-.29160	.09315	-3.13042	-18.04451	-22.02202
.601	1.910	-.23707	.09700	.15792	-.24017	.08905	-2.69712	-18.04451	-22.01201
.600	2.949	-.18438	.09504	.15520	-.18903	.08543	-2.21277	-18.01450	-22.02202
.600	4.023	-.12702	.09168	.15265	-.13313	.08254	-1.61291	-18.02451	-22.03203
.599	5.083	-.07286	.08769	.15044	-.08034	.08089	-.99314	-18.03451	-22.03203
.600	6.141	-.02295	.08326	.15015	-.03172	.08032	-.39496	-18.03451	-22.03203
.600	7.201	.02786	.07810	.15039	.01785	.08098	.22048	-18.02451	-22.04204
.599	8.264	.08228	.07193	.14975	.07109	.08301	.85645	-18.03451	-22.04204
.600	9.324	.13442	.06583	.14961	.12197	.08674	1.40619	-18.02451	-22.04204
.599	10.392	.19168	.05882	.15052	.17792	.09243	1.92494	-18.03451	-22.07207
.600	11.445	.24638	.05176	.15012	.23121	.09962	2.32101	-18.03451	-22.07207
.599	12.525	.30612	.04421	.15034	.28924	.10955	2.64037	-18.00450	-22.04204
.599	13.583	.36889	.04279	.14606	.34853	.12823	2.71807	-18.02451	-22.05205
.600	14.662	.42861	.04187	.14582	.40405	.14899	2.71195	-18.01450	-22.06206
.600	16.791	.54355	.04364	.14299	.50777	.19880	2.55415	-18.03451	-22.06206
.600	18.909	.65379	.04437	.14397	.60413	.25386	2.37980	-18.03451	-22.06206
.600	GRADIENT	.05124	.00627	-.00234	.04954	-.00554	.31833	-.00109	-.00122

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3036) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BUFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 185/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.109	-.53374	.20436	.24726	-.51772	.24208	-2.13860	-17.99000	-22.00926
1.201	-2.517	-.42034	.20204	.21599	-.41106	.22031	-1.86587	-18.02000	-22.01927
1.202	-1.297	-.33843	.20052	.19280	-.33380	.20813	-1.60384	-18.04000	-22.05930
1.202	-.214	-.25592	.19931	.17114	-.25518	.20026	-1.27422	-18.04000	-22.03928
1.202	.804	-.18548	.19763	.15335	-.18824	.19500	-.96531	-17.99000	-22.01927
1.202	1.966	-.11433	.19561	.13660	-.12097	.19157	-.53145	-18.02000	-22.00926
1.202	3.197	-.02944	.19327	.11733	-.04017	.19133	-.20997	-17.80000	-22.02928
1.201	4.148	.02532	.19210	.10607	.01136	.19343	.05873	-18.12000	-22.06931
1.201	5.212	.09631	.18960	.09132	.07869	.19756	.39829	-18.04000	-22.08933
1.202	6.337	.16556	.18674	.07817	.14394	.20387	.70604	-18.05000	-22.03928
1.202	7.488	.23722	.18383	.06651	.21124	.21318	.99094	-18.00000	-22.02928
1.201	8.635	.31087	.18127	.05666	.28013	.22589	1.24014	-18.03000	-22.02928
1.202	9.640	.36953	.17862	.04920	.33440	.23797	1.40519	-17.97000	-22.03928
1.202	10.751	.43613	.17593	.04306	.39566	.25420	1.55651	-17.97000	-22.03928
1.201	11.975	.51236	.17201	.03454	.46552	.27457	1.69546	-18.02000	-22.03928
1.200	13.057	.57575	.16776	.02647	.52296	.29350	1.78182	-18.03000	-22.04929
1.200	14.196	.64736	.16391	.01990	.56530	.31961	1.83632	-18.03000	-22.05930
1.199	15.388	.71440	.16407	.01423	.54525	.34776	1.85544	-18.04000	-22.04929
1.198	17.474	.82900	.15921	.00635	.74294	.40079	1.85367	-18.02000	-22.03928
1.200	19.620	.93663	.15476	.00437	.83028	.46028	1.80385	-18.05000	-22.03928
GRADIENT		.06809	-.00150	-.01721	.06451	-.00568	.27529	.00328	-.00319

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3037) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 222/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-4.059	-.49451	.07532	.15416	-.48793	.11014	-4.43000	-12.99325	-17.04705
.600	-2.308	-.39682	.07944	.14451	-.39330	.09536	-4.12445	-13.00325	-17.00701
.600	-1.253	-.34683	.08141	.14171	-.34496	.08897	-3.87708	-13.00325	-16.99700
.599	-.184	-.29378	.08278	.13961	-.29352	.08372	-3.50590	-13.03326	-16.99700
.599	.874	-.24288	.08315	.13868	-.24412	.07943	-3.07345	-13.06327	-16.99700
.600	1.931	-.19260	.08251	.13788	-.19528	.07597	-2.57049	-13.00325	-17.00701
.600	3.002	-.13886	.08064	.13677	-.14289	.07326	-1.95051	-13.02326	-16.99700
.600	4.059	-.08875	.07785	.13498	-.09404	.07137	-1.31757	-13.03326	-17.00701
.600	5.098	-.03658	.07406	.13395	-.04302	.07051	-.61006	-13.04326	-17.01702
.600	6.181	.01817	.06890	.13314	.01065	.07045	.15113	-13.04326	-16.99700
.600	7.233	.07111	.06317	.13284	.06259	.07162	.87392	-13.04326	-17.00701
.599	8.294	.12456	.05656	.13228	.11509	.07393	1.55669	-13.05326	-16.99700
.600	9.358	.17977	.05033	.13130	.16920	.07889	2.14461	-13.05326	-17.01702
.599	10.413	.23626	.04289	.13102	.22461	.08488	2.64618	-13.07327	-17.00701
.600	11.506	.29790	.03490	.13129	.28495	.09362	3.04364	-13.06327	-17.01702
.600	12.559	.35196	.02838	.13158	.33737	.10424	3.23643	-13.01325	-17.03704
.601	13.625	.41107	.03039	.12800	.39234	.12637	3.10472	-13.02326	-17.04705
.599	14.678	.46934	.03086	.12682	.44621	.14878	2.99904	-13.05326	-17.05706
.599	16.818	.58830	.03282	.12181	.55364	.20164	2.74577	-13.09327	-17.07708
.599	18.947	.70173	.03278	.11986	.65307	.25886	2.52290	-13.07327	-17.04705
.599	GRADIENT	.04950	.00034	-.00203	.04804	-.00460	.38890	-.00446	.00354

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3037) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 184/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.050	-.47248	.18701	.21548	-.45809	.21991	-2.08338	-13.01000	-16.99487
1.201	-2.404	-.35773	.18570	.18470	-.34962	.20055	-1.74336	-13.11000	-17.09496
1.201	-1.234	-.27649	.18389	.16221	-.27246	.18981	-1.43548	-13.05000	-17.06493
1.201	.119	-.19924	.18253	.14140	-.19886	.18297	-1.08684	-12.95000	-17.00488
1.201	.806	-.13862	.18134	.12664	-.14116	.17937	-.78694	-13.03000	-17.01489
1.202	2.068	-.05156	.17982	.10990	-.06801	.17748	-.38320	-13.02000	-17.03491
1.201	3.140	.00964	.17799	.09345	-.00013	.17825	-.00071	-13.05000	-17.06483
1.201	4.198	.07566	.17642	.08049	.06255	.18149	.34464	-13.06000	-17.04491
1.201	5.280	.13701	.17455	.06872	.12036	.18642	.64565	-13.06000	-17.00489
1.201	6.494	.21451	.17147	.05283	.19374	.19463	.99544	-12.96000	-17.03491
1.201	7.490	.27355	.17064	.04623	.24897	.20484	1.21543	-12.98000	-17.01489
1.200	8.616	.33976	.16807	.03721	.31075	.21708	1.43151	-13.02000	-17.03491
1.200	9.827	.40841	.16476	.02888	.37430	.23205	1.61299	-13.04000	-17.03491
1.200	10.876	.47439	.16179	.02213	.43534	.24840	1.75261	-13.03000	-17.04491
1.200	12.010	.54414	.15851	.01445	.49924	.26827	1.86096	-13.01000	-16.99487
1.199	13.111	.61123	.15677	.00759	.55974	.29133	1.92132	-12.97000	-17.02490
1.199	14.307	.68113	.15529	.00152	.62163	.31879	1.94995	-13.03000	-17.05492
1.198	15.248	.73449	.15372	-.00227	.66820	.34147	1.95682	-13.03000	-17.03491
1.198	17.419	.85169	.15005	-.01021	.76772	.39813	1.92833	-13.08000	-17.06493
1.198	19.630	.96472	.14459	-.01339	.86008	.46028	1.86861	-13.07000	-17.10497
1.198	GRADIENT	.06632	-.00130	-.01639	.06303	-.00450	.30147	-.00053	-.00167

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 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 221/ 0

RN/L = 3.49

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.599	-4.020	-.43147	.06554	.12284	-.42582	.09563	-4.45287	-8.02201	-12.00200
.600	-2.259	-.33734	.07036	.11627	-.33431	.08360	-3.99872	-8.03201	-11.99199
.600	-1.202	-.28534	.07237	.11367	-.28376	.07834	-3.62225	-8.02201	-12.00200
.600	-.156	-.23503	.07330	.11192	-.23483	.07394	-3.17582	-8.03201	-12.00200
.600	.910	-.18542	.07344	.11055	-.18657	.07048	-2.64702	-8.02201	-12.00200
.600	1.984	-.12917	.07242	.10959	-.13160	.06790	-1.93812	-8.03201	-12.01201
.600	3.030	-.07946	.07047	.10791	-.08307	.06617	-1.25550	-8.02201	-12.00200
.600	4.090	-.02711	.06732	.10650	-.03184	.06522	-.48918	-8.02201	-12.00200
.600	5.151	.02656	.06327	.10523	.02077	.06540	.31758	-8.03201	-12.00200
.599	6.212	.07995	.05778	.10435	.07323	.06610	1.10791	-8.02201	-12.01201
.599	7.263	.13232	.05178	.10449	.12471	.06810	1.83134	-8.02201	-12.01201
.599	8.340	.18979	.04485	.10413	.18128	.07190	2.52127	-8.03201	-12.00200
.600	9.409	.24090	.03893	.10335	.23130	.07778	2.97360	-8.02201	-12.01201
.599	10.465	.29683	.03177	.10441	.28612	.08515	3.36014	-8.02201	-12.00200
.599	11.517	.34925	.02498	.10545	.33723	.09421	3.57942	-8.03201	-12.02202
.599	12.611	.41266	.01800	.10538	.39877	.10766	3.70407	-8.03201	-12.02202
.600	13.665	.47457	.02196	.09892	.45595	.13345	3.41650	-8.00200	-12.02202
.600	14.728	.53352	.02437	.09462	.50979	.15921	3.20210	-8.00200	-12.03203
.599	16.864	.65770	.02556	.08932	.62201	.21526	2.88962	-8.00200	-12.05205
.599	18.992	.78327	.02503	.08210	.73249	.27857	2.62948	-8.01200	-12.05205
GRADIENT		.04948	.00020	-.00184	.04821	-.00363	.49601	.00025	-.00081

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 216/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-4.081	-.44760	.07006	.13076	-.44148	.10174	-4.33940	-8.00100	-12.01201
.700	-2.264	-.34066	.07375	.12060	-.33748	.08714	-3.87268	-8.00100	-12.02202
.701	-1.203	-.28229	.07556	.11635	-.28065	.08147	-3.44476	-7.99100	-12.03203
.700	-.138	-.23026	.07631	.11367	-.23008	.07687	-2.99314	-7.98100	-12.02202
.701	.933	-.17470	.07625	.11237	-.17592	.07340	-2.39685	-7.99100	-12.02202
.700	2.002	-.12019	.07476	.11078	-.12273	.07052	-1.74050	-7.99100	-12.03203
.701	3.065	-.07110	.07266	.10890	-.07489	.06876	-1.08913	-7.97100	-12.01201
.700	4.144	-.01702	.06928	.10724	-.02198	.06787	-.32394	-7.99100	-12.00200
.700	5.203	.03670	.06509	.10612	.03064	.06815	.44966	-7.99100	-12.00200
.700	6.272	.09007	.05969	.10550	.08301	.06917	1.19999	-7.98100	-12.00200
.700	7.346	.14570	.05388	.10485	.13762	.07207	1.90949	-7.99100	-12.00200
.700	8.426	.20789	.04726	.10345	.19872	.07721	2.57381	-8.00100	-12.01201
.700	9.499	.26497	.04143	.10200	.25450	.08459	3.00877	-8.00100	-12.00200
.700	10.581	.32896	.03762	.10032	.31646	.09739	3.24941	-8.00100	-12.02202
.700	11.647	.38335	.04017	.09562	.36735	.11673	3.14696	-7.99100	-12.00200
.700	12.715	.43845	.04233	.09255	.41838	.13779	3.03630	-7.98100	-12.01201
.700	13.788	.49860	.04449	.08919	.47363	.16204	2.92295	-7.97100	-12.01201
.700	14.849	.55184	.04285	.08981	.52243	.18284	2.85735	-7.98100	-12.01201
.701	17.025	.68147	.04128	.08585	.63952	.23899	2.67596	-8.00100	-12.01201
.701	19.169	.80104	.03944	.08525	.74368	.30028	2.47664	-8.02100	-12.01201
.700	GRADIENT	.05181	-.00008	-.00260	.05047	-.00394	.49760	.00223	.00109

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 212/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-4.005	-.45667	.07893	.14139	-.45004	.11063	-4.06799	-8.02100	-12.06206
.801	-2.369	-.35847	.08135	.13040	-.35480	.09610	-3.69207	-8.02100	-12.05205
.801	-1.296	-.29441	.08232	.12378	-.29247	.08903	-3.28516	-8.03100	-12.10210
.801	-.232	-.23124	.08280	.11857	-.23091	.08374	-2.75756	-8.05101	-12.04204
.800	.824	-.17523	.08220	.11486	-.17640	.07967	-2.21415	-7.98100	-11.97197
.800	1.932	-.11896	.08088	.11198	-.12162	.07683	-1.58302	-7.96100	-11.98198
.800	3.013	-.06048	.07859	.10961	-.06452	.07530	-.85683	-7.96100	-11.97197
.800	4.223	.00440	.07472	.10664	-.00112	.07484	-.61491	-7.95099	-11.99199
.800	5.216	.06441	.07084	.10342	.05770	.07640	.75526	-7.96100	-11.99199
.800	6.250	.11905	.06732	.09933	.11101	.07988	1.38968	-7.97100	-12.00200
.800	7.361	.18760	.06390	.09369	.17786	.08741	2.03472	-7.95099	-12.01201
.801	8.418	.25222	.06188	.08799	.24044	.09814	2.45011	-7.96100	-12.01201
.800	9.549	.31114	.06076	.08586	.29675	.11154	2.66060	-7.99100	-12.03203
.800	10.605	.36157	.06098	.08778	.34417	.12648	2.72116	-7.98100	-12.01201
.800	11.680	.41430	.06155	.08701	.39326	.14415	2.72814	-8.00100	-12.01201
.800	12.722	.46497	.06240	.08612	.43902	.16326	2.69392	-8.03100	-12.02202
.801	13.876	.52404	.06356	.08518	.49350	.18738	2.63371	-8.01100	-12.00200
.800	14.960	.58673	.06417	.08083	.55027	.21345	2.57795	-7.99100	-12.03203
.800	17.220	.70814	.06474	.07791	.65723	.27148	2.42089	-7.99100	-12.01201
.799	19.227	.81891	.06507	.07666	.75181	.33112	2.27049	-7.98100	-12.00200
GRADIENT		.05571	-.00048	-.00409	.05425	-.00421	.50282	.01100	.01359

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 207/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-4.051	-.49948	.09864	.17687	-.49126	.13368	-3.67506	-8.00100	-12.00200
.900	-2.415	-.39233	.10148	.16296	-.38770	.11792	-3.28773	-7.99100	-12.00200
.900	-1.295	-.31975	.10242	.15427	-.31735	.10962	-2.89511	-7.98100	-11.99199
.899	-.199	-.24952	.10156	.14475	-.24916	.10243	-2.43256	-7.99100	-12.01201
.900	.829	-.18621	.10082	.13773	-.18765	.09811	-1.91261	-8.00100	-12.01201
.900	1.945	-.11649	.09902	.12832	-.11978	.09501	-1.26077	-8.02100	-12.04204
.899	3.080	-.03908	.09692	.11747	-.04423	.09468	-.46710	-8.08101	-12.05205
.899	4.078	.03403	.09510	.10707	.02718	.09728	.27935	-8.05101	-12.06206
.900	5.291	.10250	.09341	.09694	.09345	.10247	.91199	-7.98100	-12.07207
.899	6.374	.17030	.09146	.08873	.15909	.10980	1.44891	-7.97100	-12.03203
.899	7.491	.24048	.09083	.07996	.22659	.12141	1.86636	-7.97100	-12.04204
.900	8.524	.29454	.09088	.07854	.27781	.13353	2.08047	-7.96100	-12.02202
.899	9.678	.34921	.09090	.07822	.32896	.14831	2.21810	-7.97100	-12.02202
.899	10.936	.41824	.09171	.07152	.39324	.16939	2.32149	-7.96100	-12.02202
.900	11.650	.46296	.09252	.06721	.43474	.18410	2.36144	-7.97100	-11.99199
.899	12.856	.51381	.09232	.06631	.48039	.20434	2.35095	-7.98100	-12.01201
.899	13.927	.56744	.09316	.06406	.52834	.22700	2.32751	-7.98100	-12.00200
.899	15.025	.62659	.09305	.06111	.58104	.25231	2.30292	-7.98100	-12.02202
.899	17.201	.73883	.09249	.06226	.67843	.30684	2.21100	-8.03100	-12.02202
.898	19.393	.83958	.09209	.06567	.76137	.36565	2.08226	-7.97100	-12.01201
GRADIENT		.06489	-.00058	-.00841	.06307	-.00450	.49171	-.00951	-.00845

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 202/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-4.096	-.52076	.10833	.19562	-.51169	.14525	-3.52279	-8.03100	-12.02202
.921	-2.369	-.40628	.11078	.18003	-.40135	.12748	-3.14838	-8.02100	-12.02202
.921	-1.256	-.33226	.11092	.17034	-.32975	.11818	-2.79015	-8.02100	-12.03203
.921	-.175	-.25904	.11050	.16058	-.25870	.11129	-2.32465	-8.03100	-12.04204
.921	.919	-.19010	.10954	.15047	-.19183	.10648	-1.80157	-8.04101	-12.06206
.920	2.031	-.11355	.10757	.13744	-.11730	.10347	-1.13360	-8.09101	-12.07207
.921	3.131	-.04036	.10597	.12628	-.04609	.10361	-.44482	-8.08101	-12.10210
.921	4.222	.03394	.10444	.11495	.02615	.10665	.24523	-8.09101	-12.12212
.921	5.332	.10920	.10244	.10240	.09921	.11214	.88465	-8.09101	-12.10210
.920	6.462	.18094	.10036	.09273	.16849	.12008	1.40311	-8.06101	-12.02202
.920	7.560	.24305	.09973	.08599	.22781	.13084	1.74119	-8.05101	-12.03203
.920	8.653	.30267	.09915	.08492	.28431	.14350	1.98044	-8.02100	-12.03203
.920	9.739	.36383	.09922	.07769	.34181	.15934	2.14511	-8.04101	-12.03203
.920	10.815	.42806	.09901	.06764	.40189	.17758	2.26312	-8.04101	-12.04204
.920	11.882	.48868	.09890	.06104	.45785	.19740	2.31940	-8.06101	-12.06206
.920	12.976	.54568	.09896	.05684	.50952	.21897	2.32693	-8.07101	-12.09209
.920	14.036	.59926	.09941	.05329	.55726	.24178	2.30482	-8.02100	-12.04204
.920	15.169	.66143	.09879	.05032	.61253	.26842	2.28195	-8.03100	-12.05205
.920	16.229	.72051	.09829	.04732	.66433	.29574	2.24638	-8.02100	-12.04204
.921	17.309	.77913	.09743	.04517	.71486	.32482	2.20076	-8.05101	-12.06206
.919	19.497	.88271	.09608	.04935	.80003	.38518	2.07706	-8.10101	-12.08208
GRADIENT		.06658	-.00061	-.00973	.06459	-.00465	.46487	-.00947	-.01262

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 198/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-4.108	-.53347	.12547	.21708	-.52311	.16336	-3.20212	-8.03100	-11.98198
.951	-2.387	-.41280	.12470	.19452	-.40724	.14179	-2.87225	-8.03100	-11.99199
.951	-1.251	-.33599	.12472	.16292	-.33319	.13202	-2.52377	-8.04101	-12.00200
.951	-.161	-.26406	.12402	.17189	-.26371	.12477	-2.11361	-8.03100	-12.00200
.950	.939	-.19002	.12299	.15928	-.19201	.11986	-1.60196	-8.04101	-12.01201
.950	2.040	-.11476	.12139	.14584	-.11901	.11722	-1.01527	-8.05101	-12.03203
.950	3.156	-.03550	.11975	.13178	-.04304	.11756	-.36610	-8.05101	-12.04204
.950	4.245	.03753	.11787	.11841	.02870	.12032	.23852	-8.05101	-12.07207
.950	5.349	.11546	.11608	.10440	.10414	.12634	.82426	-8.02100	-12.04204
.950	6.465	.19172	.11434	.09255	.17763	.13520	1.31387	-8.02100	-12.04204
.950	7.539	.25800	.11294	.08411	.24095	.14582	1.65243	-8.03100	-12.04204
.950	8.637	.32739	.11143	.07446	.30694	.15933	1.92644	-8.05101	-12.06206
.950	9.749	.39160	.11005	.06709	.36731	.17477	2.10163	-8.07101	-12.06206
.950	10.833	.46629	.10826	.05595	.43764	.19396	2.25630	-8.05101	-12.09209
.950	11.921	.53013	.10699	.04613	.49660	.21419	2.31852	-8.04101	-12.04204
.949	13.056	.59555	.10628	.03280	.55615	.23807	2.33604	-8.04101	-12.05205
.949	14.106	.65604	.10558	.02811	.61052	.26229	2.32767	-8.00100	-12.03203
.949	15.220	.71771	.10543	.02415	.66485	.29015	2.29145	-8.02100	-12.04204
.949	17.396	.83228	.10442	.01915	.76299	.34848	2.18947	-8.07101	-12.01201
.950	19.559	.94699	.10395	.01592	.85754	.41498	2.06647	-8.04101	-12.04204
GRADIENT		.06811	-.00090	-.01162	.06586	-.00500	.42446	-.00285	-.00999

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 170

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 194/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.979	-4.076	-.51767	.14524	.21637	-.50604	.18167	-2.78552	-7.97100	-11.94194
.980	-2.338	-.40001	.14450	.19542	-.39378	.16070	-2.45047	-7.98100	-11.96196
.981	-1.238	-.32106	.14468	.18067	-.31786	.15158	-2.09692	-8.00100	-11.97197
.981	-.139	-.25113	.14384	.17007	-.25078	.14445	-1.73607	-8.02100	-12.00200
.981	.951	-.17945	.14266	.15843	-.18180	.13966	-1.30171	-8.03100	-11.99199
.981	2.098	-.10059	.14111	.14418	-.10569	.13733	-.76962	-8.07101	-12.01201
.981	3.149	-.02763	.13961	.13125	-.03526	.13789	-.25569	-8.09101	-12.04204
.981	4.272	.04786	.13825	.11751	.03742	.14143	.26462	-8.13102	-12.07207
.981	5.367	.12546	.13704	.10271	.11209	.14817	.75651	-8.02100	-12.14214
.980	6.503	.20177	.13588	.09025	.18508	.15786	1.17244	-8.03100	-12.01201
.980	7.596	.27442	.13480	.08007	.25419	.16989	1.49620	-8.03100	-12.01201
.980	8.717	.34479	.13397	.07036	.32050	.18468	1.73545	-8.05101	-12.01201
.980	9.783	.41267	.13341	.06018	.38400	.20159	1.90488	-8.08101	-12.03203
.980	10.859	.48038	.13267	.05039	.44679	.22079	2.02355	-8.07101	-12.05205
.980	11.959	.55157	.13228	.03889	.51219	.24369	2.10178	-8.05101	-12.05205
.980	13.053	.61719	.13182	.03013	.57147	.26780	2.13397	-8.08101	-12.08208
.980	14.180	.68684	.13134	.02577	.63374	.29560	2.14394	-8.14102	-12.11211
.980	15.284	.74769	.13020	.02139	.68693	.32249	2.12880	-7.96100	-12.06206
.979	17.468	.86437	.12752	.01740	.78623	.38110	2.06304	-8.03100	-12.19219
.979	19.637	.99294	.12336	.00852	.89373	.44288	1.98661	-8.10101	-12.08208
GRADIENT		.06759	-.00087	-.01161	.06499	-.00471	.37576	-.01928	-.01457

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 189/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-4.004	-.45747	.16340	.19740	-.44494	.19494	-2.28247	-7.97000	-11.97047
1.121	-2.260	-.34934	.16189	.17498	-.34268	.17554	-1.95219	-7.98000	-11.99049
1.121	-1.264	-.27223	.16176	.15717	-.26859	.16772	-1.60141	-8.00000	-12.01051
1.121	-.150	-.19551	.16174	.13836	-.19509	.16225	-1.20241	-8.00000	-12.01051
1.121	1.032	-.11408	.16138	.11920	-.11697	.15930	-.73427	-8.06000	-12.03053
1.121	2.062	-.04137	.16074	.10221	-.04713	.15915	-.29613	-8.04000	-12.04054
1.120	3.069	.02858	.15963	.08625	.01999	.16093	.12421	-7.95000	-11.95046
1.121	4.254	.10830	.15916	.07065	.09619	.16675	.57696	-7.93000	-11.98048
1.120	5.465	.18328	.15847	.05765	.16734	.17520	.95512	-7.95000	-11.99049
1.120	6.583	.24942	.15678	.04625	.22980	.18434	1.24662	-7.98000	-12.01051
1.120	7.587	.30786	.15633	.04072	.28453	.19561	1.45455	-7.97000	-12.01051
1.120	8.681	.37394	.15359	.03253	.34647	.20827	1.66356	-8.04000	-12.04054
1.120	9.836	.43957	.14995	.02586	.40744	.22283	1.82848	-8.04000	-12.01051
1.120	10.885	.50124	.14663	.01958	.46453	.23864	1.94656	-8.02000	-12.02052
1.120	12.020	.56569	.14398	.01409	.52330	.25862	2.02341	-8.04000	-12.06055
1.119	13.114	.63450	.14298	.00997	.58551	.28321	2.06740	-8.03000	-12.04054
1.120	14.221	.70098	.14156	.00361	.64472	.30943	2.08354	-8.03000	-12.01051
1.120	15.300	.76995	.14071	-.00409	.70553	.33890	2.08183	-8.06000	-12.04054
1.118	17.530	.89169	.13872	-.01277	.80849	.40085	2.01694	-8.06000	-12.08057
1.117	19.710	.99701	.13350	-.01592	.89357	.46192	1.93447	-8.08000	-12.13061
	GRADIENT	.06921	-.00047	-.01582	.06628	-.00327	.36127	.00215	-.00019

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 183/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.989	-.41348	.17324	.18136	-.40042	.20158	-1.98638	-8.01000	-12.00050
1.200	-2.338	-.30403	.17187	.15311	-.29677	.18413	-1.61168	-8.03000	-12.02052
1.201	-1.200	-.22495	.17081	.13220	-.22132	.17548	-1.26125	-8.04000	-12.04054
1.201	-.105	-.15593	.16949	.11434	-.15562	.16978	-.91663	-8.02000	-12.05054
1.201	.913	-.08618	.16835	.09749	-.08885	.16694	-.53224	-8.03000	-12.05054
1.201	2.010	-.01795	.16678	.08095	-.02380	.16605	-.14331	-7.97000	-11.99049
1.201	3.110	.05094	.16542	.06642	.04189	.16794	.24943	-8.00000	-12.02052
1.201	4.284	.12044	.16405	.05276	.10785	.17259	.62490	-8.00000	-12.05054
1.200	5.322	.18479	.16282	.04151	.16889	.17925	.94220	-8.05000	-12.01051
1.200	6.466	.25291	.16105	.03002	.23317	.18851	1.23687	-8.02000	-12.02052
1.201	7.572	.32006	.15920	.02001	.29630	.19998	1.48160	-7.99000	-12.06055
1.201	8.574	.37706	.15719	.01312	.34941	.21165	1.65091	-8.01000	-12.02052
1.201	9.800	.44695	.15434	.00621	.41415	.22817	1.81515	-8.02000	-12.01051
1.200	10.835	.51053	.15178	-.00001	.47290	.24504	1.92986	-8.03000	-12.05054
1.199	12.038	.57160	.14931	-.00547	.52789	.26524	1.99025	-8.02000	-12.03053
1.199	13.060	.63928	.14796	-.01153	.58931	.28859	2.04199	-8.02000	-12.04054
1.199	14.213	.70681	.14559	-.01794	.64943	.31468	2.06379	-8.00000	-12.06055
1.200	15.350	.76957	.14522	-.02265	.70368	.34375	2.04705	-8.11000	-12.06055
1.200	17.494	.89100	.14285	-.03245	.80685	.40408	1.99677	-8.06000	-12.08057
1.199	19.756	1.00300	.13754	-.03423	.89748	.46847	1.91575	-8.06000	-12.00050
GRADIENT		.06479	-.00114	-.01573	.06173	-.00340	.32561	.00413	-.00234

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 220/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.947	-.33405	.06056	.07732	-.32909	.08341	-3.94520	-2.97074	-7.01702
.600	-2.202	-.24769	.06518	.07370	-.24501	.07465	-3.28214	-2.96074	-7.01702
.600	-1.153	-.19486	.06692	.07196	-.19348	.07083	-2.73169	-2.94074	-7.01702
.600	-.092	-.14978	.06753	.07076	-.14968	.06777	-2.20868	-2.97074	-7.01702
.600	.969	-.09664	.06730	.06984	-.09776	.06566	-1.48897	-2.98075	-7.03704
.600	2.038	-.04408	.06599	.06897	-.04640	.06438	-.72076	-2.97074	-7.02703
.599	3.072	.00297	.06410	.06796	-.00047	.06417	-.00726	-3.00075	-7.03704
.602	4.146	.05857	.06055	.06686	.05404	.06462	.83618	-2.97074	-7.03704
.600	5.203	.10884	.05618	.06619	.10329	.06582	1.56922	-2.98075	-7.03704
.600	6.253	.16119	.05067	.06512	.15471	.06793	2.27756	-2.98075	-7.03704
.600	7.324	.21337	.04451	.06524	.20596	.07135	2.89667	-2.97074	-7.03704
.599	8.378	.26890	.03811	.06459	.26048	.07688	3.39809	-2.99075	-7.03704
.600	9.459	.33028	.03081	.06415	.32073	.08468	3.78772	-3.02076	-7.04705
.600	10.529	.38076	.02432	.06447	.36990	.09348	3.95689	-3.02076	-7.01702
.598	11.573	.43726	.01749	.06481	.42486	.10486	4.05173	-3.01075	-7.03704
.601	12.660	.50314	.01409	.06144	.48782	.12401	3.93365	-3.00075	-7.04705
.600	13.712	.56452	.01779	.05526	.54421	.15110	3.60169	-3.01075	-7.02703
.600	14.798	.62686	.02113	.05006	.60067	.18054	3.32704	-2.96074	-7.02703
.599	16.925	.75183	.02189	.04519	.71290	.23981	2.97277	-2.97074	-7.05706
.600	19.074	.88684	.02146	.03576	.83114	.31009	2.68036	-3.01075	-7.06707
GRADIENT		.04814	-.00003	-.00121	.04697	-.00225	.59980	-.00302	-.00304

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 211/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.935	-.36290	.06975	.09289	-.35726	.09450	-3.78064	-3.05038	-6.96697
.801	-2.246	-.26569	.07258	.08538	-.26264	.08294	-3.16676	-2.94037	-6.98699
.800	-1.287	-.21334	.07357	.08079	-.21164	.07834	-2.70162	-3.16040	-6.98699
.800	-.184	-.15334	.07411	.07762	-.15310	.07460	-2.05228	-3.04038	-6.99700
.800	1.024	-.09671	.07346	.07506	-.09801	.07172	-1.36658	-3.04038	-6.99700
.800	1.957	-.04484	.07230	.07341	-.04728	.07073	-.66852	-3.03038	-7.02703
.800	3.102	.00928	.06988	.07123	.00549	.07028	.07805	-3.00038	-7.00701
.800	4.163	.07428	.06658	.06897	.06925	.07180	.96444	-2.99037	-7.01702
.801	5.285	.13327	.06295	.06586	.12691	.07496	1.69298	-3.01038	-7.01702
.800	6.264	.19126	.05980	.06236	.18359	.08031	2.28604	-3.01038	-7.02703
.800	7.337	.25172	.05754	.05864	.24231	.08922	2.71599	-3.00038	-7.04705
.900	8.541	.31111	.05642	.05746	.29928	.10200	2.93408	-3.11039	-7.03704
.801	9.651	.36655	.05615	.05718	.35194	.11681	3.01300	-3.12039	-7.04705
.800	10.663	.41638	.05601	.05762	.39887	.13209	3.01946	-3.09039	-7.03704
.800	11.713	.46555	.05737	.05687	.44421	.15069	2.94786	-3.00038	-7.06707
.800	12.870	.52047	.05837	.05566	.49439	.17284	2.86043	-3.02038	-7.04705
.801	13.898	.57865	.05965	.05076	.54738	.19689	2.78009	-2.98037	-7.03704
.800	14.919	.64000	.05949	.04590	.60311	.22226	2.71353	-2.99037	-7.02703
.800	17.184	.77575	.06068	.03820	.72320	.28717	2.51836	-2.94037	-7.00701
.801	19.298	.89283	.06130	.03383	.82240	.35293	2.33024	-2.97037	-7.06707
GRADIENT		.05300	-.00039	-.00281	.05170	-.00269	.59218	.00561	-.00608

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 206/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.980	-.39771	.08622	.11647	-.39076	.11362	-3.43914	-2.94037	-7.05706
.900	-2.412	-.28942	.08885	.10285	-.28543	.10095	-2.82752	-2.96037	-7.03704
.899	-1.091	-.21557	.08939	.09329	-.21383	.09348	-2.28743	-2.95037	-7.05706
.900	-.037	-.15596	.08981	.08695	-.15590	.08991	-1.73397	-2.95037	-7.05706
.900	.910	-.08735	.08982	.08045	-.08876	.08842	-1.00393	-2.96037	-7.03704
.899	2.081	-.01459	.08866	.07145	-.01780	.08807	-.20205	-2.96037	-6.95696
.899	3.202	.05098	.08733	.06374	.04603	.09004	.51116	-3.00038	-6.97698
.900	4.332	.12254	.08630	.05587	.11567	.09531	1.21357	-3.00038	-6.99700
.900	5.354	.18605	.08529	.05120	.17728	.10228	1.73326	-3.01038	-7.00701
.899	6.418	.23392	.08480	.05100	.22297	.11042	2.01933	-3.00038	-6.99700
.899	7.545	.28505	.08524	.04836	.27139	.12193	2.22574	-2.97037	-7.00701
.899	8.516	.33701	.08514	.04817	.32069	.13411	2.39128	-2.95037	-6.99700
.900	9.609	.39146	.08475	.04689	.37182	.14890	2.49707	-2.93037	-6.99700
.899	10.730	.44662	.08535	.04338	.42292	.16701	2.53229	-3.06038	-7.01702
.899	11.842	.50238	.08604	.03995	.47403	.18730	2.53088	-2.94037	-7.02703
.900	12.938	.56063	.08679	.03661	.52696	.21011	2.50803	-2.93037	-7.03704
.899	14.172	.62623	.08678	.03130	.58592	.23746	2.46745	-3.04038	-7.04705
.900	15.133	.68167	.08650	.02728	.63545	.26146	2.43040	-2.86036	-7.05706
.899	17.220	.79010	.08570	.02640	.72932	.31576	2.30968	-2.94037	-7.06707
.898	19.401	.89845	.08523	.02843	.81912	.37884	2.16220	-3.06038	-7.04705
GRADIENT		.06220	-.00037	-.00717	.06057	-.00217	.57778	-.00675	.01055

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 176

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 193/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.977	-.42326	.13394	.15987	-.41295	.16298	-2.53372	-2.94037	-6.98699
.980	-2.293	-.30828	.13265	.13764	-.30273	.14487	-2.08962	-2.95037	-6.99700
.981	-1.182	-.23637	.13245	.12595	-.23359	.13730	-1.70125	-2.98037	-7.02703
.981	-.087	-.16201	.13215	.11530	-.16181	.13239	-1.22221	-2.96037	-7.05706
.980	1.003	-.09067	.13128	.10371	-.09295	.12967	-.71682	-2.98037	-7.05706
.980	2.127	-.01542	.12994	.09099	-.02023	.12928	-.15651	-3.04038	-7.09710
.980	3.202	.05391	.12891	.07885	.04663	.13172	.35398	-3.08039	-7.13714
.980	4.340	.13144	.12814	.06599	.12137	.13772	.88125	-3.13039	-7.02703
.980	5.460	.20277	.12714	.05455	.18976	.14586	1.30094	-3.01039	-7.02703
.980	6.548	.27171	.12609	.04474	.25556	.15525	1.63557	-3.03038	-7.03704
.980	7.610	.33371	.12538	.03829	.31417	.16847	1.86489	-3.07038	-7.03704
.979	8.734	.40694	.12464	.02769	.38330	.18499	2.07199	-3.11039	-7.04705
.979	9.815	.47033	.12446	.01952	.44223	.20282	2.18038	-3.10039	-7.08709
.979	10.923	.53695	.12462	.01191	.50361	.22410	2.24722	-3.04039	-7.13714
.979	11.992	.59908	.12514	.00362	.56001	.24688	2.26832	-3.10039	-7.07708
.979	13.099	.67069	.12542	-.00281	.62481	.27416	2.27904	-3.09039	-7.13714
.979	14.195	.73439	.12526	-.00868	.68125	.30152	2.25936	-3.10039	-7.10711
.979	15.304	.79830	.12374	-.01242	.73733	.33005	2.23396	-3.08039	-7.12713
.980	17.483	.91631	.12374	-.01692	.83681	.39330	2.12767	-3.08039	-7.08709
.978	19.681	1.03957	.11706	-.02484	.93942	.46034	2.04069	-2.99037	-7.06707
GRADIENT		.06648	-.00070	-.01106	.06408	-.00291	.42429	-.02224	-.01236

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 182/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.955	-.35048	.15972	.13940	-.33863	.18351	-1.84528	-2.99000	-7.04617
1.200	-2.211	-.23427	.15950	.11137	-.22794	.16842	-1.35345	-3.01000	-7.08620
1.200	-1.125	-.16486	.15932	.09392	-.16170	.16253	-.99492	-3.06000	-7.01614
1.201	-.124	-.09976	.15939	.07796	-.09941	.15961	-.62285	-3.04000	-7.03616
1.201	1.006	-.02987	.15899	.06189	-.03266	.15844	-.20614	-3.01000	-7.06618
1.201	2.142	.04236	.15784	.04666	.03643	.15931	.22870	-3.04000	-7.04617
1.202	3.349	.11521	.15681	.03180	.10586	.16327	.64834	-3.04000	-7.03616
1.200	4.258	.16766	.15603	.02228	.15561	.16805	.92602	-3.14000	-7.02615
1.199	5.465	.23779	.15487	.01015	.22195	.17682	1.25526	-3.06000	-7.04617
1.200	6.510	.29906	.15317	.00025	.27976	.18609	1.50336	-3.05000	-7.06618
1.200	7.532	.35660	.15135	-.00786	.33369	.19679	1.69569	-3.04000	-7.03616
1.201	8.709	.42064	.14832	-.01354	.39333	.21030	1.87034	-3.03000	-7.06618
1.200	9.801	.48168	.14573	-.01906	.44985	.22560	1.99398	-3.06000	-7.05617
1.200	10.861	.54132	.14351	-.02391	.50458	.24294	2.07699	-3.06000	-7.04617
1.199	12.018	.61143	.14138	-.03044	.56859	.26559	2.14083	-3.12000	-7.10622
1.199	13.084	.67564	.14093	-.03679	.62619	.29023	2.15760	-3.08000	-7.10622
1.200	14.204	.74232	.14039	-.04338	.68517	.31825	2.15291	-3.10000	-7.16627
1.200	15.308	.80421	.14075	-.04899	.73851	.34808	2.12171	-3.06000	-7.07619
1.201	17.489	.92399	.13963	-.05853	.83931	.41086	2.04283	-3.02000	-7.03616
1.200	19.671	1.03070	.13767	-.05983	.92420	.47660	1.93916	-3.09000	-7.09621
1.200	GRADIENT	.06310	-.00045	-.01434	.06023	-.00163	.34730	-.01143	.00267

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 219/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.903	-.24425	.05962	.03227	-.23963	.07611	-3.14853	1.98000	-1.98198
.600	-2.150	-.16160	.06424	.03051	-.15907	.07026	-2.26415	1.97000	-1.97197
.600	-1.093	-.11122	.06579	.02961	-.10995	.06790	-1.61913	1.99000	-1.97197
.600	-.026	-.06127	.06634	.02880	-.06124	.06636	-.92285	1.98000	-1.98198
.600	1.012	-.01101	.06606	.02812	-.01218	.06585	-.18492	2.05000	-1.98198
.600	2.079	.03935	.06464	.02702	.03698	.06603	.56004	2.04000	-1.98198
.600	3.128	.09138	.06218	.02600	.08785	.06707	1.30981	2.04000	-1.97197
.600	4.195	.14107	.05881	.02475	.13639	.06897	1.97734	1.99000	-1.97197
.600	5.259	.19717	.05395	.02376	.19141	.07169	2.66982	2.00000	-1.99199
.600	6.322	.25262	.04795	.02258	.24597	.07548	3.25647	1.99000	-1.99199
.600	7.381	.30406	.04219	.02162	.29612	.06090	3.66030	1.99000	-1.99199
.599	8.449	.36360	.03517	.02061	.35449	.08821	4.01877	1.96000	-1.99199
.600	9.513	.41813	.02864	.01995	.40770	.09736	4.18766	1.99000	-1.98198
.602	10.585	.47702	.02148	.01992	.46496	.10873	4.27612	1.98000	-2.00200
.600	11.663	.53820	.01443	.02052	.52417	.12293	4.26388	1.99000	-1.99199
.600	12.723	.59397	.01665	.01602	.57572	.14705	3.91505	1.99000	-2.03203
.600	13.784	.65123	.01879	.01174	.62800	.17341	3.62140	1.99000	-2.03203
.599	14.853	.71792	.02237	.00628	.68320	.20565	3.34643	1.95000	-2.04204
.600	16.966	.83658	.02336	.00240	.79336	.26646	2.97735	2.08000	-2.05205
.599	19.132	.97319	.02378	-.00777	.91164	.34143	2.67011	2.08000	-2.06206
GRADIENT	.04767	-.00015	-.00089	.04652	-.00083	.64916	.00676	.00047	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 179

LARC 8FT TPT 717(LA-52) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 215/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.952	-.26073	.06202	.03743	-.25584	.07985	-3.20408	1.94024	-2.00200
.701	-2.146	-.16837	.06588	.03427	-.16579	.07214	-2.29829	2.02025	-2.00200
.701	-1.091	-.11777	.06722	.03336	-.11647	.06945	-1.67693	2.05026	-2.01201
.700	-.032	-.06453	.06776	.03216	-.06449	.06780	-.95127	2.07026	-2.00200
.700	1.047	-.01077	.06724	.03096	-.01200	.06704	-.17896	2.02025	-1.99199
.700	2.098	.03762	.06583	.02941	.03519	.06716	.52393	2.02025	-1.98198
.700	3.194	.09615	.06294	.02806	.09249	.06820	1.75624	1.94024	-1.99199
.700	4.250	.14837	.05936	.02647	.14356	.07019	2.04519	2.06026	-2.00200
.700	5.311	.20309	.05467	.02514	.19716	.07324	2.69214	1.97025	-2.00200
.700	6.404	.25970	.04902	.02393	.25261	.07768	3.25192	1.96025	-2.00200
.701	7.469	.31799	.04349	.02229	.30964	.08446	3.66599	2.06026	-2.00200
.700	8.562	.38254	.03702	.02059	.37276	.09356	3.98414	1.95024	-2.00200
.700	9.624	.43892	.03279	.01850	.42726	.10570	4.04212	1.98025	-2.00200
.701	10.704	.50047	.03219	.01723	.48579	.12458	3.89930	2.09026	-2.02202
.700	11.754	.54145	.03712	.01609	.52254	.14663	3.56355	1.98025	-2.06206
.701	12.813	.58917	.04074	.01327	.56546	.17039	3.31871	2.02025	-2.03203
.700	13.896	.65534	.03979	.00991	.62660	.19600	3.19687	2.05026	-2.05205
.700	14.988	.72221	.03896	.00578	.68756	.22440	3.06396	2.03025	-2.03203
.701	17.164	.86596	.03815	-.00354	.81614	.29201	2.79487	1.93024	-2.06206
.700	19.308	.92671	.03833	-.00602	.91854	.36243	2.53439	2.05026	-2.04204
GRADIENT		.04962	-.00034	-.00128	.04850	-.00107	.65545	.00397	.00154

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 210/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.862	-.27385	.06677	.04501	-.26873	.08506	-3.15918	2.03025	-2.00200
.801	-2.310	-.19257	.06878	.04156	-.18964	.07649	-2.47928	1.97025	-2.00200
.800	-1.170	-.13455	.07014	.03903	-.13309	.07287	-1.82642	1.98025	-2.00200
.800	-.041	-.07809	.07062	.03676	-.07803	.07068	-1.10407	1.98025	-2.01201
.800	.971	-.01974	.07012	.03504	-.02392	.06978	-.29981	2.00025	-1.96196
.800	2.082	.03781	.06851	.03337	.03530	.06984	.50538	2.02025	-1.97197
.800	3.093	.08844	.06638	.03170	.08473	.07105	1.19240	2.01025	-1.97197
.800	4.297	.15532	.06282	.02928	.15018	.07428	2.02168	2.02025	-1.98198
.800	5.182	.20313	.06025	.02651	.19685	.07835	2.51264	2.02025	-1.98198
.801	6.413	.26905	.05715	.02266	.26099	.08684	3.00534	2.01025	-1.98198
.800	7.568	.33035	.05552	.02052	.32016	.09854	3.24892	2.01025	-2.00200
.800	8.671	.38212	.05461	.01939	.36952	.11160	3.31123	1.88024	-2.01201
.801	9.626	.43349	.05483	.01902	.41822	.12654	3.30505	2.00025	-2.02202
.800	10.653	.47987	.05419	.01994	.46158	.14196	3.25136	1.94024	-2.04204
.800	11.781	.53400	.05584	.01961	.51135	.16369	3.12387	1.95024	-2.00200
.800	12.911	.58587	.05810	.01604	.55808	.18754	2.97577	1.94024	-2.01201
.800	13.976	.65097	.05840	.00959	.61760	.21389	2.88741	1.99025	-2.04204
.800	14.986	.72262	.05903	.00033	.68278	.24388	2.79965	2.05026	-2.00200
.799	17.147	.85955	.06003	-.01013	.80365	.31077	2.58596	1.90024	-2.02202
.800	19.345	.97785	.06165	-.01233	.90221	.38209	2.36123	2.00025	-2.08208
GRADIENT	.05251	-.00044	-.00188	.05127	-.00125	.65506	.00246	.00444	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7300 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 376.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO 205/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.920	-.30563	.08274	.06015	-.29926	.10344	-2.89306	1.96025	-2.00209
.900	-2.276	-.20455	.08455	.05048	-.20103	.09261	-2.17073	1.99025	-1.99199
.899	-1.203	-.13804	.08525	.04337	-.13621	.08813	-1.54554	2.06026	-2.00200
.900	.087	-.06047	.08625	.03622	-.06060	.08615	-.70335	2.04026	-2.00200
.899	.945	-.01319	.08562	.03199	-.01460	.08539	-.17059	2.05026	-2.02202
.899	2.090	.06012	.08506	.02554	.05697	.08720	.65341	2.01025	-2.02202
.899	3.283	.11609	.08405	.02242	.11109	.09056	1.22670	2.07026	-2.02202
.899	4.333	.17557	.08335	.02073	.16877	.09638	1.75117	2.04026	-2.03203
.899	5.412	.22686	.08258	.01988	.21806	.10360	2.10470	2.04026	-2.03203
.900	6.360	.27718	.08210	.01965	.26637	.11230	2.37195	2.02025	-2.03203
.899	7.436	.33483	.08225	.01659	.32138	.12489	2.57333	2.00025	-2.02202
.899	8.548	.38078	.08188	.01557	.37229	.13876	2.68296	2.01025	-2.03203
.899	9.734	.44612	.08106	.01273	.42593	.15532	2.74272	2.02025	-2.04204
.899	10.800	.49728	.08204	.01031	.47310	.17376	2.72266	1.95024	-2.03203
.900	11.926	.55751	.08319	.00436	.52828	.19660	2.68711	1.99025	-2.01201
.899	12.919	.60976	.08380	-.00068	.57559	.21801	2.64022	2.05026	-2.05205
.900	14.041	.68141	.08447	-.00765	.64055	.24726	2.59056	2.04026	-2.06206
.899	15.058	.73558	.08390	-.01183	.68852	.27212	2.53018	1.99025	-2.12212
.898	17.318	.86329	.08343	-.01754	.79931	.33663	2.37446	2.03025	-2.12212
.899	19.370	.96614	.08380	-.01745	.88366	.39950	2.21191	2.02025	-2.07207
.899	GRADIENT	.05835	.00003	-.00495	.05678	-.00075	.58653	.00885	-.00444

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 201/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.940	-.31374	.09162	.06682	-.30671	.11296	-2.71514	2.14027	-1.93193
.921	-2.228	-.20616	.09386	.05465	-.20235	.10180	-1.98766	2.15027	-2.07207
.921	-1.118	-.13527	.09429	.04676	-.13341	.09691	-1.37669	2.14027	-2.07207
.920	-.037	-.07186	.09429	.03980	-.07180	.09433	-.76112	2.08026	-2.08208
.921	1.068	-.00491	.09452	.03264	-.00667	.09441	-.07061	2.09026	-2.09209
.920	2.153	.06179	.09361	.02567	.05823	.09586	.60746	2.10026	-2.12212
.921	3.248	.12665	.09318	.02061	.12117	.10021	1.20911	2.07026	-2.03203
.921	4.360	.18608	.09206	.01861	.17855	.10594	1.68531	2.08026	-2.03203
.920	5.438	.24293	.09106	.01728	.23320	.11367	2.05159	2.00025	-2.02202
.920	6.547	.30024	.08994	.01574	.28802	.12358	2.33065	1.95024	-2.02202
.920	7.584	.34996	.08934	.01468	.33511	.13475	2.48668	1.96025	-2.03203
.921	8.694	.40788	.08883	.01338	.38977	.14947	2.60774	1.92024	-2.04204
.920	9.780	.47070	.08854	.00472	.44882	.16721	2.68420	1.97025	-2.07207
.920	10.835	.52185	.08885	.00068	.49585	.18536	2.67500	2.08026	-2.00200
.920	11.918	.57945	.09047	-.00512	.54827	.20818	2.63362	1.96025	-2.04204
.920	13.019	.64409	.09087	-.01241	.60706	.23363	2.59835	1.99025	-2.04204
.920	14.088	.69919	.09149	-.01771	.65589	.25893	2.53304	1.94024	-2.07207
.921	15.188	.76839	.09138	-.02509	.71761	.28950	2.47884	1.96025	-2.11211
.920	17.373	.89311	.09002	-.03192	.82549	.35259	2.34122	1.92024	-2.11211
.921	19.561	1.00367	.08971	-.03157	.91571	.42057	2.17731	2.05026	-2.14214
GRADIENT		.06044	-.00000	-.00602	.05871	-.00073	.55269	-.00955	-.00788

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 197/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.933	-.34089	.10894	.09378	-.33262	.13207	-2.51860	1.98025	-2.07207
.951	-2.262	-.22777	.10893	.07299	-.22329	.11783	-1.89503	1.99025	-2.08208
.951	-1.123	-.14941	.10910	.06190	-.14724	.11200	-1.31461	2.02025	-2.05205
.951	-.025	-.08011	.10892	.05223	-.08006	.10895	-.73478	2.01025	-2.01201
.951	1.050	-.01186	.10847	.04240	-.01384	.10824	-.12788	2.01025	-2.02202
.951	2.163	.06200	.10755	.03171	.05790	.10981	.52722	2.07026	-2.02202
.950	3.234	.12654	.10614	.02288	.12035	.11310	1.06404	2.09026	-2.04204
.950	4.363	.19539	.10493	.01460	.18685	.11939	1.56510	2.06026	-2.04204
.950	5.481	.26331	.10356	.00719	.25221	.12824	1.96674	2.05026	-2.05205
.950	6.548	.32017	.10183	.00353	.30647	.13768	2.22599	2.06026	-2.06206
.950	7.622	.39029	.09995	-.00253	.37358	.15083	2.47687	2.05026	-2.07207
.950	8.734	.44574	.09917	-.00789	.42551	.16570	2.56790	2.03025	-2.11211
.950	9.825	.50603	.09804	-.01136	.48188	.18296	2.63384	2.07026	-2.06206
.949	10.882	.56530	.09820	-.01718	.53659	.20316	2.64130	1.82023	-2.10210
.949	11.964	.62920	.09904	-.02464	.59500	.22732	2.61750	1.98025	-2.04204
.950	13.070	.69372	.09936	-.03652	.65328	.25367	2.57533	2.01025	-2.14214
.950	14.149	.75541	.09938	-.04323	.70806	.28161	2.51434	1.95024	-2.10210
.950	15.245	.81376	.09976	-.04890	.75890	.31022	2.44633	2.12027	-2.15215
.950	17.437	.94136	.10090	-.05832	.86787	.37834	2.29387	2.06026	-2.00200
.951	19.644	1.05763	.10171	-.06022	.96189	.45133	2.13123	2.02025	-2.04204
GRADIENT	.06461	-.00048	-.00942	.06262	-.00137	.51153	.01247	.00517	

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TABULATED SOURCE DATA - LA62

PAGE 184

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.3000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 GOFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 192/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.972	-.34096	.13036	.10152	-.33111	.15367	-2.15464	2.05026	-2.00200
.980	-2.247	-.22641	.12650	.08019	-.22120	.13728	-1.61133	2.06026	-2.00200
.980	-1.131	-.15209	.12786	.06921	-.14953	.13084	-1.14290	2.04026	-2.00200
.980	-.055	-.08408	.12777	.05947	-.08395	.12785	-.65673	2.01025	-2.01201
.980	1.048	-.01163	.12722	.04873	-.01395	.12698	-.10988	1.99025	-2.03203
.980	2.171	.06096	.12651	.03788	.05612	.12873	.43597	1.97025	-2.03203
.980	3.270	.13093	.12586	.02804	.12354	.13312	.92802	2.03025	-2.06206
.980	4.366	.19829	.12492	.01841	.18820	.13965	1.34766	2.02025	-2.07207
.980	5.476	.26787	.12423	.00867	.25479	.14923	1.70743	2.03025	-2.08208
.980	6.568	.33767	.12347	.00089	.32133	.16129	1.99225	2.02025	-2.14214
.980	7.664	.40149	.12258	-.00490	.38156	.17503	2.17994	2.02025	-2.04204
.980	8.747	.46669	.12218	-.01437	.44268	.19173	2.30889	1.97025	-2.05205
.979	9.833	.52399	.12192	-.01955	.49547	.20962	2.36371	1.79022	-2.08208
.980	10.933	.59122	.12306	-.02644	.55715	.23296	2.39168	2.25028	-2.13213
.979	12.023	.65342	.12443	-.03408	.61317	.25781	2.37840	2.25028	-2.23223
.979	13.146	.72252	.12536	-.04074	.67508	.28640	2.35715	2.24028	-2.42242
.979	14.213	.78738	.12596	-.04679	.73235	.31543	2.32176	2.13027	-2.09209
.979	15.345	.85245	.12489	-.04990	.78901	.34603	2.28020	2.14027	-2.15215
.978	17.508	.97058	.12405	-.05597	.88830	.41030	2.16499	1.90024	-2.08208
GRADIENT	.06473	-.00058	-.00980	.06238	-.00145	.43668	-.00610	-.00911	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 185

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 188/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-3.944	-.32076	.14436	.10537	-.31007	.16608	-1.86694	2.08974	-2.05180
1.121	-2.334	-.21781	.14395	.08609	-.21177	.15270	-1.38686	1.94976	-2.06180
1.121	-1.169	-.14383	.14433	.07076	-.14086	.14724	-.95667	2.14973	-2.01176
1.121	-.063	-.06767	.14523	.05384	-.06751	.14531	-.46460	2.09974	-2.00175
1.121	1.020	.00512	.14598	.03822	.00252	.14605	.01724	2.08974	-2.01176
1.121	2.140	.07587	.14628	.02371	.07036	.14901	.47215	2.05974	-2.02177
1.120	3.220	.14460	.14627	.01101	.13616	.15417	.88317	1.98975	-2.02177
1.120	4.338	.21699	.14668	-.00145	.20527	.16267	1.26190	2.01975	-1.99174
1.120	5.484	.28080	.14612	-.01151	.26556	.17229	1.54136	2.00975	-1.99174
1.120	6.573	.34500	.14506	-.02003	.32612	.18360	1.77626	1.99975	-2.01176
1.120	7.714	.40883	.14326	-.02741	.38591	.19684	1.96050	1.93976	-2.04179
1.120	8.778	.46553	.14028	-.03139	.43868	.20968	2.09211	1.98975	-2.03178
1.120	9.864	.52313	.13753	-.03478	.49184	.22511	2.18483	1.95976	-2.02177
1.120	10.913	.58381	.13609	-.03984	.54748	.24416	2.24234	1.84977	-2.06180
1.120	12.078	.65845	.13554	-.04375	.61552	.27032	2.27702	2.16973	-2.06180
1.120	13.184	.71797	.13599	-.04936	.66803	.29616	2.25563	2.05974	-2.13187
1.120	14.288	.80326	.13807	-.06159	.74143	.33130	2.23795	2.05974	-2.04179
1.120	15.395	.86038	.13881	-.06696	.79266	.36223	2.18825	2.01975	-2.05180
1.118	17.774	.99394	.13871	-.07626	.90416	.43550	2.07615	1.93976	-1.96172
1.117	19.751	1.08628	.13688	-.07927	.97612	.49592	1.96829	1.94976	-1.98173
GRADIENT		.06519	.00035	-.01322	.06253	-.00024	.39203	-.00582	.00607

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2699.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 181/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.906	-.29265	.15398	.10044	-.28148	.17356	-1.62180	1.94976	-2.00175
1.201	-2.318	-.19517	.15386	.07747	-.18878	.16162	-1.16806	2.03975	-2.03178
1.201	-1.078	-.11742	.15354	.05877	-.11451	.15572	-.73538	2.01975	-2.06180
1.201	-.078	-.05452	.15339	.04430	-.05431	.15347	-.35390	2.00975	-2.08182
1.201	1.046	.01673	.15283	.02919	.01394	.15311	.09105	1.94976	-2.03178
1.201	2.144	.08342	.15221	.01549	.07767	.15522	.50036	2.04974	-2.01176
1.201	3.188	.14719	.15191	.00292	.13852	.15986	.86650	2.04974	-1.99174
1.201	4.338	.21226	.15134	-.00792	.20020	.16697	1.19906	1.98975	-2.02177
1.201	5.370	.27143	.15066	-.01770	.25615	.17540	1.46038	1.91976	-2.05180
1.201	6.502	.33685	.14967	-.02748	.31774	.18685	1.70045	1.93976	-2.03178
1.201	7.633	.39989	.14819	-.03601	.37667	.19999	1.88338	1.94976	-1.98173
1.200	8.754	.45904	.14568	-.04132	.43153	.21383	2.01811	1.96975	-2.04179
1.200	9.885	.52813	.14380	-.04798	.49560	.23234	2.13310	1.98975	-2.06180
1.200	10.935	.58689	.14178	-.05266	.54934	.25054	2.19262	2.03975	-2.03178
1.200	11.966	.64739	.14073	-.05840	.60415	.27189	2.22205	2.03975	-2.12186
1.199	13.159	.72300	.14114	-.06627	.67189	.30203	2.22456	2.01975	-1.93169
1.199	14.249	.78434	.14242	-.07336	.72516	.33109	2.19019	1.87977	-1.99174
1.200	15.339	.84360	.14418	-.07770	.77541	.36220	2.14081	2.02975	-2.08182
1.199	17.629	.97394	.14482	-.08755	.88434	.43297	2.04247	2.01975	-2.00175
1.199	19.734	1.07770	.14419	-.09012	.96572	.49961	1.93294	2.04974	-2.01176
GRADIENT		.06166	-.00034	-.01332	.05888	-.00071	.35411	.00410	.00226

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 218/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.843	-.16167	.06353	-.00850	-.15705	.07422	-2.11602	7.01000	3.01490
.600	-2.093	-.08175	.06798	-.01021	-.07921	.07092	-1.11691	7.01000	3.00488
.600	-1.023	-.02919	.06938	-.01067	-.02795	.06989	-.39989	7.04000	3.00488
.599	.014	.02066	.06989	-.01156	.02064	.06990	.29531	7.04000	3.01490
.602	1.078	.06833	.06956	-.01241	.06701	.07084	.94592	6.97000	3.00488
.600	2.129	.12172	.06789	-.01352	.11912	.07237	1.64599	6.97000	3.01490
.600	3.188	.17333	.06536	-.01468	.16942	.07490	2.26205	7.01000	3.01490
.601	4.250	.22762	.06146	-.01597	.22244	.07816	2.84596	7.00000	3.00488
.600	5.297	.27862	.05691	-.01739	.27218	.08239	3.30355	6.97000	3.01490
.598	6.372	.33690	.05058	-.01886	.32921	.08766	3.75559	6.99000	3.00488
.600	7.438	.39342	.04397	-.02029	.38442	.09453	4.06677	6.96000	3.00488
.599	8.499	.44792	.03772	-.02216	.43743	.10351	4.22607	6.97000	2.99487
.599	9.568	.50789	.03050	-.02303	.49575	.11449	4.33005	6.97000	2.98485
.599	10.633	.56376	.02375	-.02293	.54969	.12736	4.31602	6.97000	2.99487
.600	11.701	.62204	.01739	-.02371	.60558	.14318	4.22948	7.01000	2.97483
.601	12.772	.67574	.02176	-.02602	.65421	.17061	3.83456	7.03000	2.97483
.599	13.825	.73790	.02337	-.03125	.71094	.19901	3.57237	6.98000	3.02492
.599	14.893	.80379	.02561	-.03723	.77020	.23134	3.32931	6.99000	3.00488
.599	17.024	.91859	.02776	-.03957	.87022	.29548	2.94511	6.96000	2.97483
.600	19.176	1.06115	.02960	-.05188	.99255	.37651	2.63616	7.04000	3.02492
GRADIENT		.04806	-.00028	-.00090	.04684	.00054	.62390	-.00357	-.00007

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 ØREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 214/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.894	-.17505	.06561	-.00586	-.17018	.07735	-2.20014	7.01088	3.01452
.700	-2.099	-.08468	.06953	-.00819	-.08207	.07259	-1.13069	7.01088	3.01452
.700	-1.046	-.03517	.07093	-.00890	-.03387	.07156	-.47333	7.02088	3.00451
.701	.030	.01614	.07140	-.01000	.01610	.07140	.22549	7.01088	3.00451
.701	1.096	.06755	.07091	-.01127	.06618	.07219	.91671	7.01088	3.01452
.701	2.163	.12010	.06920	-.01278	.11741	.07369	1.59329	7.01088	3.00451
.701	3.237	.17790	.06629	-.01464	.17388	.07623	2.28081	6.99087	3.00451
.701	4.307	.23205	.06250	-.01586	.22670	.07975	2.84269	7.00088	2.99449
.700	5.381	.29080	.05742	-.01817	.28413	.08444	3.36505	7.00088	2.99449
.700	6.452	.34590	.05224	-.01985	.33783	.09078	3.72138	6.99087	2.99449
.701	7.542	.40899	.04615	-.02286	.39940	.09943	4.01672	7.00088	3.00451
.701	8.609	.46970	.04066	-.02531	.45832	.11051	4.14724	7.01088	2.99449
.700	9.691	.53485	.03612	-.02785	.52114	.12564	4.14788	6.98087	2.97446
.701	10.760	.58819	.03572	-.02875	.57118	.14490	3.94185	6.99087	2.99449
.700	11.812	.62809	.04016	-.02798	.60656	.16789	3.61290	6.99087	3.04457
.700	12.876	.67911	.04183	-.02987	.65271	.19211	3.39767	7.02088	2.98448
.701	13.952	.73967	.04274	-.03298	.70754	.21983	3.21858	6.99087	2.98448
.700	15.049	.81148	.04371	-.03840	.77230	.25291	3.05368	6.96087	2.94442
.700	17.202	.94591	.04383	-.04766	.89063	.32162	2.76921	7.01088	2.99449
.700	19.366	1.07404	.04426	-.05108	.99860	.39790	2.50965	6.99087	3.00451
GRADIENT	.04937	-.00040	-.00121	.04812	.00038	.62479	-.00202	-.00118	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 189

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 209/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.807	-.19218	.06997	.00004	-.18712	.08257	-2.26614	6.96087	2.98448
.801	-2.294	-.11146	.07224	-.00256	-.10848	.07664	-1.41544	6.98087	2.99449
.801	-1.044	-.04712	.07373	-.00453	-.04577	.07458	-.61367	6.98087	3.00451
.801	.085	.00918	.07406	-.00624	.00907	.07407	.12249	6.97087	3.01452
.800	1.064	.05836	.07348	-.00812	.05699	.07455	.76437	6.98087	2.99449
.800	2.049	.11279	.07216	-.01025	.11014	.07615	1.44640	6.97087	3.00451
.801	3.208	.17605	.06950	-.01254	.17189	.07925	2.16899	6.96087	3.01452
.800	4.382	.23670	.06629	-.01524	.23095	.08419	2.74319	6.95087	2.99449
.800	5.457	.29898	.06332	-.01924	.29160	.09146	3.18820	6.95087	2.98448
.800	6.453	.35475	.06089	-.02301	.34566	.10037	3.44392	6.94087	2.98448
.801	7.484	.41367	.05931	-.02602	.40242	.11269	3.57100	6.94087	2.96445
.800	8.596	.46427	.05809	-.02654	.45037	.12683	3.55109	6.94087	2.95443
.800	9.595	.51039	.05814	-.02510	.49356	.14240	3.46611	6.95087	2.96445
.799	10.801	.56320	.05785	-.02455	.54238	.16237	3.34036	6.94087	2.97446
.800	11.847	.61551	.05979	-.02504	.59012	.18488	3.19195	6.91086	2.95443
.800	12.865	.66589	.06142	-.02852	.63550	.20913	3.05336	6.91086	2.92439
.800	13.937	.73785	.06178	-.03621	.70125	.23768	2.95037	7.01088	2.94442
.800	15.039	.81357	.06432	-.04865	.76902	.27323	2.81459	6.97087	2.95443
.800	17.724	.98142	.06634	-.06118	.91484	.36197	2.52685	6.96087	2.99449
.800			-.00044	-.00185	.05093	.00025	.62827	-.00185	.00169
	GRADIENT	.05224							

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TABULATED SOURCE DATA - LA62

PAGE 190

LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 204/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-3.886	-.24733	.08404	.02144	-.24106	.10061	-2.39599	7.01088	2.98448
.900	-2.213	-.14823	.08521	.01405	-.14483	.09087	-1.59387	7.03088	3.00451
.900	-1.149	-.08311	.08601	.00856	-.08137	.08766	-.92820	7.05088	3.02454
.900	-.057	-.01964	.08622	.00354	-.01956	.08624	-.22679	7.00088	3.03455
.900	.996	.04473	.08612	-.00147	.04323	.08688	.49757	7.02088	3.03455
.899	2.177	.10656	.08557	-.00471	.10323	.08956	1.15267	7.03088	3.06460
.900	3.228	.16835	.08544	-.00858	.16327	.09478	1.72257	7.02088	3.06460
.899	4.261	.22470	.08458	-.01166	.21780	.10104	2.15557	6.97087	3.02454
.899	5.443	.28654	.08422	-.01709	.27925	.11121	2.51095	6.96087	3.01452
.900	6.480	.34830	.08392	-.02139	.33661	.12269	2.74352	6.94087	3.00451
.900	7.622	.40261	.08411	-.02375	.38789	.13677	2.83615	6.95087	2.98448
.899	8.644	.45252	.08384	-.02693	.43478	.15090	2.88122	6.96087	2.97446
.898	9.777	.51709	.08287	-.03216	.49551	.16948	2.92379	6.96087	3.01452
.900	10.806	.57116	.08374	-.03703	.54534	.18933	2.88027	6.94087	2.99449
.899	11.912	.63323	.08587	-.04302	.60187	.21473	2.80295	6.82085	2.87431
.900	12.949	.69605	.08856	-.05126	.65850	.24228	2.71797	7.09089	3.00451
.899	14.021	.75676	.08949	-.05899	.71253	.27017	2.63733	6.94087	2.95443
.900	15.159	.83352	.09095	-.06795	.78074	.30575	2.55352	7.04088	3.06460
.898	17.328	.95612	.09050	-.07389	.88577	.37117	2.38644	7.06088	3.01452
.899	19.499	1.05628	.09039	-.07090	.96553	.43779	2.20544	7.03088	2.93440
	GRADIENT	.05798	.00005	-.00410	.05639	.00020	.58109	-.00360	.00755

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 200/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.918	-.26848	.09337	.03399	-.26147	.11150	-2.34513	7.04088	2.94442
.920	-2.200	-.15605	.09452	.02018	-.15230	.10044	-1.51628	7.15089	3.02454
.921	-1.090	-.08486	.09530	.01198	-.08303	.09690	-.85691	7.09089	3.05458
.920	-.008	-.01992	.09527	.00462	-.01991	.09528	-.20898	7.06088	3.09464
.921	1.102	.05073	.09541	-.00292	.04889	.09636	.50734	7.07088	3.11467
.920	2.203	.11337	.09496	-.00868	.10964	.09925	1.10461	7.04088	3.08463
.920	3.298	.17784	.09425	-.01342	.17212	.10432	1.64992	6.99087	3.13470
.921	4.373	.24285	.09393	-.01939	.23498	.11218	2.09477	6.91086	3.15473
.920	5.451	.30396	.09306	-.02513	.29375	.12151	2.41753	7.07088	3.03455
.921	6.532	.36536	.09193	-.02919	.35253	.13290	2.65266	7.07088	3.03455
.920	7.623	.41793	.09154	-.03032	.40210	.14618	2.75077	7.02088	2.98448
.920	8.707	.47188	.09087	-.03176	.45269	.16126	2.80725	6.94087	2.95443
.920	9.800	.53843	.09062	-.04040	.51515	.18095	2.84700	6.92087	2.92439
.920	10.894	.59891	.09202	-.04779	.57072	.20355	2.80391	7.08089	2.98448
.920	11.981	.65338	.09408	-.05393	.61962	.22767	2.72161	6.98087	2.87431
.921	13.068	.72446	.09684	-.06421	.68380	.25813	2.64902	6.96087	2.96445
.920	14.187	.78803	.09757	-.07191	.74008	.28773	2.57214	6.93087	2.88433
.920	15.253	.85643	.09835	-.07988	.80038	.32020	2.49964	7.01088	3.01452
.920	17.432	.97938	.09875	-.08929	.90482	.38762	2.33430	6.94087	3.04457
.920	19.604	1.09038	.09755	-.08606	.99445	.45774	2.17252	7.23090	3.01452
GRADIENT		.06135	.00003	-.00637	.05959	.00021	.55411	-.01816	.02249

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

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(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 196/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.952	-.27596	.11246	.04562	-.26755	.13121	-2.03915	7.04088	2.99449
.950	-2.216	-.16046	.11208	.02560	-.15600	.11820	-1.31983	7.07088	3.01452
.951	-1.125	-.08808	.11241	.01545	-.08586	.11411	-.75241	7.06088	3.01452
.951	-.027	-.01844	.11268	.00612	-.01838	.11269	-.16314	7.06088	3.04457
.951	1.070	.05041	.11213	-.00348	.04831	.11305	.42732	7.07088	3.05458
.950	2.210	.12232	.11102	-.01412	.11795	.11566	1.01981	7.11089	3.06460
.950	3.283	.19411	.10966	-.02244	.18751	.12060	1.55482	6.98087	3.12469
.950	4.366	.25901	.10830	-.03060	.25001	.12770	1.95781	6.92087	3.05458
.950	5.515	.32831	.10689	-.03924	.31651	.13794	2.29453	6.76085	3.03455
.950	6.558	.39137	.10524	-.04479	.37679	.14925	2.52461	7.11089	3.01452
.950	7.671	.45332	.10325	-.04958	.43548	.16284	2.67431	7.14089	3.00451
.950	8.766	.50953	.10297	-.05347	.48788	.17941	2.71933	7.14089	2.90436
.949	9.830	.57212	.10168	-.05797	.54636	.19786	2.76137	7.09089	2.91437
.949	10.932	.63550	.10235	-.06472	.60456	.22101	2.73542	6.88086	2.88433
.949	12.030	.70666	.10321	-.07534	.66963	.24824	2.69754	7.26091	2.94442
.949	13.102	.76880	.10496	-.08784	.72500	.27650	2.62203	7.23090	3.02454
.950	14.227	.82793	.10664	-.09455	.77633	.30685	2.53005	7.20090	2.93440
.949	15.311	.89179	.10683	-.09976	.83192	.33853	2.45745	7.14089	2.95443
.950	17.485	1.02159	.10889	-.11044	.94167	.41081	2.29224	6.97087	2.96445
.951	19.704	1.13569	.11116	-.11420	1.03171	.48756	2.11607	7.12089	2.96445
GRADIENT		.06426	-.00046	-.00904	.06220	-.00021	.49769	-.01105	.01170

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 191/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.898	-.27593	.13424	.05532	-.26616	.15268	-1.74323	7.02088	3.00451
.980	-2.202	-.16171	.13272	.03467	-.15649	.13883	-1.12715	6.99087	3.01452
.980	-1.108	-.08827	.13244	.02375	-.08569	.13412	-.63892	7.00088	3.00451
.980	.001	-.01847	.13227	.01348	-.01847	.13227	-.13962	6.98087	3.00451
.981	1.120	.05812	.13242	.00242	.05552	.13353	.41576	6.97087	3.00451
.980	2.213	.12457	.13172	-.00794	.11939	.13643	.87512	7.00088	3.01452
.980	3.282	.19432	.13087	-.01815	.18651	.14178	1.31555	6.97087	3.00451
.980	4.398	.26206	.12969	-.02816	.25135	.14941	1.68229	6.98087	2.99449
.980	5.523	.33601	.12940	-.03875	.32200	.16114	1.99826	6.99087	2.98448
.980	6.586	.40064	.12901	-.04724	.38320	.17411	2.20086	7.00088	2.96445
.980	7.690	.46368	.12774	-.05370	.44241	.18864	2.34530	6.96087	3.01452
.980	8.773	.52716	.12768	-.06078	.50152	.20659	2.42763	6.95087	2.94442
.979	9.894	.59540	.12745	-.06802	.56465	.22786	2.47804	6.99087	2.87431
.979	10.960	.66186	.12854	-.07650	.62535	.25203	2.48124	6.95087	2.99449
.979	12.079	.73071	.12987	-.08525	.68735	.27990	2.45568	7.03088	3.00451
.979	13.184	.79666	.13084	-.09362	.74582	.30910	2.41290	7.02088	3.05458
.979	14.264	.85987	.13257	-.09638	.80070	.34034	2.35261	7.02088	3.04457
.979	15.360	.92123	.13221	-.09909	.85331	.37150	2.29690	7.01088	3.02454
.978	17.563	1.04619	.13191	-.10637	.95762	.44146	2.16920	6.98087	3.01452
.981	19.754	1.17831	.13573	-.11826	1.06309	.52600	2.02108	7.03088	3.01452
GRADIENT	.06488	-.00045	-.00991	.06245	-.00014	.42708	-.00418	-.00087	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 187/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00		ELVN-L		ELVN-R	
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-3.903	-.26551	.14794	.06608	-.25482	.16567	-1.53813	7.08911	2.99374
1.121	-2.251	-.16162	.14750	.04692	-.15570	.15374	-1.01277	6.98913	3.00375
1.121	-1.156	-.08778	.14770	.03144	-.08478	.14944	-.56731	6.99913	2.98373
1.121	-.053	-.01417	.14870	.01536	-.01403	.14871	-.09437	6.99913	2.96370
1.122	1.021	.05995	.14974	-.00030	.05727	.15079	.37978	6.98913	2.92365
1.121	2.185	.13260	.14997	-.01524	.12678	.15491	.81841	6.92913	2.99374
1.121	3.225	.20166	.15050	-.02825	.19288	.16161	1.19350	6.95913	2.96370
1.121	4.420	.27226	.15098	-.04044	.25981	.17151	1.51489	6.93913	2.96370
1.121	5.508	.33650	.15084	-.04984	.32057	.18245	1.75701	6.92913	2.95369
1.121	6.475	.39303	.15020	-.05754	.37359	.19356	1.93013	6.95913	2.94368
1.120	7.665	.46356	.14844	-.06595	.43962	.20894	2.10399	7.00912	2.95369
1.121	8.872	.52917	.14606	-.07173	.50031	.22593	2.21444	6.95913	2.95369
1.121	9.901	.58198	.14332	-.07485	.54867	.24126	2.27422	6.95913	2.96370
1.120	10.953	.64486	.14194	-.08007	.60614	.26189	2.31453	6.96913	2.94368
1.121	12.047	.71435	.14147	-.08574	.66909	.28745	2.32768	7.03912	3.05382
1.120	13.201	.77975	.14242	-.09227	.72662	.31673	2.29415	6.96913	2.97372
1.120	14.366	.85432	.14428	-.10201	.79181	.35174	2.25114	6.98913	2.97372
1.119	15.385	.91451	.14524	-.10574	.84320	.38266	2.20355	7.01912	2.98373
1.118	17.530	1.03590	.14730	-.11685	.94343	.45247	2.08506	6.99913	2.97372
1.118	19.701	1.14473	.14511	-.12329	1.02881	.52252	1.96892	6.93913	2.94368
1.118	GRADIENT	.06528	.00045	-.01319	.06254	.00091	.39234	-.01508	-.00431

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 195

(RJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 180/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.877	-.24181	.15532	.06373	-.23075	.17131	-1.34700	7.04912	3.08385
1.200	-2.306	-.14268	.15570	.04085	-.13630	.16131	-.84492	6.99913	2.98373
1.200	-1.124	-.07153	.15598	.02478	-.06846	.15735	-.43508	6.96913	2.94368
1.201	.007	-.00200	.15619	.00947	-.00202	.15619	-.01294	6.89914	2.96370
1.201	1.051	.06275	.15630	-.00438	.05987	.15742	.38031	6.94913	2.97372
1.201	2.129	.12971	.15617	-.01810	.12382	.16089	.76962	6.98913	2.95369
1.201	3.279	.19650	.15615	-.03092	.18724	.16713	1.12034	6.95913	2.95369
1.200	4.387	.26084	.15604	-.04209	.24814	.17553	1.41360	6.95913	2.96370
1.200	5.496	.32491	.15527	-.05253	.30854	.18567	1.66179	6.94913	2.94368
1.200	6.530	.38530	.15446	-.06216	.36523	.19727	1.85141	6.93913	2.93367
1.200	7.597	.44612	.15345	-.07017	.42192	.21108	1.99981	6.93913	2.92365
1.200	8.726	.50717	.15171	-.07727	.47829	.22689	2.10798	7.03912	2.92365
1.199	9.856	.57333	.14990	-.08346	.53921	.24583	2.19342	6.97913	3.08385
1.200	11.028	.64542	.14844	-.08935	.60511	.26916	2.24814	6.93913	3.02378
1.200	12.094	.70396	.14800	-.09514	.65733	.29221	2.24951	6.95913	2.96370
1.200	13.131	.77031	.14870	-.10269	.71638	.31982	2.23999	7.08911	2.96370
1.199	14.219	.83575	.14987	-.11011	.77430	.35081	2.20717	7.04912	2.98373
1.199	15.365	.89899	.15082	-.11469	.82690	.38363	2.15548	6.90914	2.91364
1.199	17.689	1.02678	.15163	-.12550	.93216	.45644	2.04222	6.90914	2.92365
1.199	19.810	1.13583	.15180	-.13058	1.01717	.52774	1.92741	7.08911	3.05382
1.200	GRADIENT	.06094	.00009	-.01289	.05810	.00062	.34324	-.00797	-.01045

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 217/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.813	-.09260	.07060	-.04383	-.08770	.07660	-1.14491	11.97000	8.03305
.601	-2.032	-.01163	.07472	-.04573	-.00897	.07508	-.11948	12.01000	8.02304
.600	-.972	.04127	.07607	-.04691	.04256	.07536	.56474	12.02000	8.01302
.600	.081	.08805	.07640	-.04761	.08794	.07652	1.14924	12.03000	8.01302
.601	1.139	.13919	.07599	-.04892	.13765	.07874	1.74811	12.02000	8.01302
.600	2.197	.19039	.07433	-.05026	.18740	.08157	2.29731	12.02000	8.01302
.601	3.251	.24606	.07142	-.05149	.24161	.08526	2.83393	12.03000	7.99299
.600	4.320	.29884	.06754	-.05322	.29291	.08906	3.25966	12.04000	7.98297
.600	5.384	.35568	.06249	-.05580	.34825	.09558	3.64340	12.01000	8.04307
.601	6.449	.41368	.05648	-.05815	.40471	.10259	3.94513	12.03000	8.01302
.601	7.513	.47054	.05053	-.06091	.45989	.11162	4.12028	12.03000	8.01302
.600	8.588	.53065	.04416	-.06425	.51811	.12291	4.21531	12.01000	8.01302
.601	9.647	.59071	.03749	-.06670	.57608	.13595	4.23751	12.01000	8.00300
.600	10.715	.65144	.03082	-.06774	.63435	.15141	4.18962	12.02000	7.99299
.600	11.777	.71400	.02435	-.06859	.69401	.16956	4.09300	12.00000	7.99299
.600	12.842	.76437	.03018	-.07148	.73854	.19932	3.70534	11.97000	7.96294
.601	13.911	.82951	.03263	-.07756	.79733	.23111	3.45006	11.98000	8.01302
.600	14.983	.89725	.03366	-.08264	.85805	.26449	3.24417	11.98000	7.99299
.601	17.118	1.00727	.03951	-.08453	.95102	.33425	2.84524	11.97000	7.99297
.600	19.258	1.14935	.04092	-.09622	1.07154	.41771	2.56528	11.97000	7.99299
.600	GRADIENT	.04815	-.00040	-.00112	.04682	.00169	.54858	.00646	-.00533

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 197

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 213/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.701	-3.856	-.11208	.07218	-.04026	-.10698	.07955	-1.34471	12.01150	8.04206
.701	-2.062	-.02196	.07633	-.04297	-.01920	.07707	-.24916	12.01150	8.03205
.701	-.996	.02957	.07766	-.04422	.03091	.07713	.40078	12.01150	8.01202
.701	.070	.08081	.07804	-.04548	.06271	.07814	1.03296	12.02150	8.02203
.701	1.127	.13395	.07753	-.04745	.13239	.08015	1.65192	12.02150	8.02203
.701	2.208	.18938	.07587	-.04938	.18631	.08311	2.24186	12.01150	8.01202
.701	3.275	.24261	.07301	-.05148	.23804	.08675	2.74395	12.01150	8.01202
.700	4.348	.30074	.06907	-.05407	.29463	.09167	3.21403	12.00150	8.02203
.700	5.425	.36146	.06405	-.05684	.35378	.09793	3.61248	12.00150	8.01202
.701	6.498	.41935	.05889	-.05980	.40999	.10597	3.86881	12.00150	8.00200
.700	7.520	.48756	.05322	-.06525	.47628	.11707	4.06925	11.95149	7.99199
.700	8.665	.55587	.04822	-.06967	.54226	.13141	4.12635	11.98150	8.00200
.700	9.756	.62138	.04412	-.07368	.60492	.14877	4.06602	11.98150	8.01202
.700	10.811	.67157	.04392	-.07412	.65142	.16911	3.85209	12.00150	7.99199
.701	11.871	.71761	.04796	-.07460	.69240	.19455	3.55894	11.97150	7.97196
.700	12.927	.76280	.04868	-.07472	.73842	.21943	3.36516	11.97150	7.99199
.701	14.021	.82691	.05230	-.07722	.78961	.25108	3.14487	11.96150	7.95194
.700	15.088	.89211	.05392	-.08289	.84732	.28428	2.98061	11.99150	8.00200
.700	17.252	1.02616	.05569	-.09138	.96348	.35752	2.69490	11.98150	7.99199
.700	19.422	1.15941	.05599	-.09475	1.07482	.43833	2.45210	12.05151	7.99199
.700	GRADIENT	.05005	-.00040	-.00165	.04866	.00155	.56084	-.00068	-.00266

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 198

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 208/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.801	-3.767	-.13362	.07689	-.03222	-.12828	.08550	-1.50031	11.97150	8.04206
.801	-2.094	-.05130	.07906	-.03634	-.04838	.08088	-.59816	11.98150	8.04206
.801	-1.064	-.00032	.08036	-.03842	.00117	.08035	.01454	11.98150	8.04206
.801	-.015	.05684	.08122	-.04099	.05686	.08121	.70016	11.99150	8.03205
.801	1.055	.11475	.08089	-.04395	.11324	.08299	1.36454	11.97150	8.03205
.801	2.121	.17793	.07953	-.04760	.17486	.08606	2.03182	11.99150	8.03205
.801	3.235	.23851	.07727	-.05100	.23377	.09060	2.58019	11.97150	8.02203
.801	4.315	.29749	.07437	-.05504	.29105	.09654	3.01489	11.98150	8.02203
.800	5.498	.36705	.07096	-.06028	.35856	.10580	3.38996	11.97150	8.01202
.800	6.562	.42984	.06853	-.06568	.41920	.11720	3.57667	11.96150	8.00200
.800	7.653	.49730	.06683	-.07023	.48397	.13246	3.65358	11.93149	7.94191
.800	8.653	.54732	.06596	-.07116	.53116	.14756	3.59976	11.95149	7.81172
.800	9.684	.59536	.06636	-.07106	.57572	.16556	3.47732	11.96150	8.00200
.800	10.779	.63934	.06719	-.06900	.61549	.18558	3.31663	11.95149	7.96194
.800	11.875	.69263	.06854	-.07026	.66370	.20960	3.16660	11.96150	7.96194
.800	12.997	.75397	.07061	-.07507	.71877	.23836	3.01547	11.94149	7.93190
.800	14.078	.81766	.07149	-.08195	.77571	.26823	2.89190	11.94149	7.91187
.800	15.219	.91135	.07623	-.09918	.85937	.31290	2.74739	12.02150	7.99199
.800	17.293	1.04043	.07790	-.10777	.97025	.38365	2.52896	12.02150	7.98197
.800	19.416	1.12405	.07974	-.09879	1.03362	.44886	2.30275	12.01150	7.91187
.800	GRADIENT	.05384	-.00028	-.00280	.05239	.00148	.57750	.00039	-.00285

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = 10.000 AILRON = 2.000

RUN NO. 203/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.853	-.20741	.09038	-.00461	-.20087	.10412	-1.92929	12.03150	8.02203
.900	-2.297	-.11012	.09175	-.01519	-.10635	.09609	-1.10688	12.02150	8.05208
.899	-1.212	-.04285	.09257	-.02207	-.04088	.09346	-.43739	12.02150	8.06209
.900	-.043	.02702	.09345	-.02847	.02709	.09343	.28992	12.03150	8.09214
.900	1.155	.10329	.09368	-.03623	.10138	.09574	1.05887	12.01150	8.08212
.900	2.166	.16943	.09360	-.04319	.16477	.09990	1.64937	12.02150	8.04206
.900	3.264	.23095	.09308	-.04970	.22528	.10607	2.12378	12.02150	8.04206
.899	4.295	.28870	.09222	-.05592	.28099	.11358	2.47381	12.00150	8.03205
.900	5.344	.35726	.09186	-.06172	.34715	.12473	2.78319	11.98150	8.00200
.899	6.420	.41749	.09121	-.06675	.40467	.13732	2.94690	11.94149	7.93190
.899	7.667	.48785	.09188	-.07535	.47123	.15614	3.01803	11.94149	7.96194
.899	8.716	.54209	.09260	-.07917	.52180	.17368	3.00437	11.95149	7.99199
.899	9.841	.60903	.09240	-.08563	.58427	.19514	2.99419	11.96150	7.93190
.900	10.982	.67265	.09454	-.09105	.64232	.22096	2.90703	11.96150	8.02203
.899	11.980	.72231	.09696	-.09676	.68645	.24478	2.80442	12.03150	7.96194
.900	13.016	.78220	.09927	-.10234	.73972	.27289	2.71079	11.98150	7.98197
.900	14.001	.84496	.10106	-.11123	.79541	.30248	2.62960	11.96150	8.00200
.899	15.147	.91261	.10247	-.11727	.85413	.33736	2.53177	12.02150	7.97196
.898	17.447	1.03529	.10355	-.12294	.95661	.40920	2.33777	11.98150	7.96194
.898	19.557	1.13085	.10362	-.11559	1.03093	.47619	2.16494	12.06151	8.03205
GRADIENT	.06125	.00025	.00025	-.00627	.05953	.00133	.56251	-.00239	-.00015

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 199/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.910	-.23541	.09639	.01124	-.22829	.11222	-2.03436	11.96150	8.03205
.920	-2.189	-.11673	.09878	-.00651	-.11288	.10317	-1.09410	12.05151	8.08212
.920	-1.099	-.04518	.09982	-.01576	-.04325	.10067	-.42964	11.96150	8.09214
.920	.025	.02304	.10044	-.02502	.02300	.10045	.22894	11.95149	8.08212
.919	1.080	.09259	.10046	-.03460	.09068	.10219	.88733	11.94149	8.05208
.920	2.193	.16706	.10113	-.04498	.16307	.10744	1.51769	11.94149	8.02203
.919	3.314	.23926	.10020	-.05392	.23307	.11386	2.04700	11.96150	8.03205
.920	4.400	.30859	.09968	-.06287	.30004	.12306	2.43806	11.96150	8.01202
.920	5.491	.37265	.09985	-.06989	.36139	.13505	2.67604	11.96150	7.92188
.919	6.593	.43618	.09908	-.07541	.42192	.14851	2.84109	11.95149	7.78167
.920	7.683	.50071	.10049	-.08342	.48278	.16853	2.89900	11.94149	8.05208
.920	8.804	.55982	.10022	-.08532	.53789	.18472	2.91183	11.93149	8.03205
.920	9.890	.62004	.10107	-.09161	.59346	.20607	2.87997	11.96150	7.98197
.920	10.940	.68539	.10251	-.10043	.65348	.23072	2.83232	12.00150	7.99199
.920	12.003	.74373	.10420	-.10678	.70579	.25660	2.75059	11.94149	7.94191
.920	13.108	.80506	.10680	-.11439	.75986	.28661	2.65124	11.94149	7.94191
.921	14.207	.87473	.10797	-.12216	.82148	.31935	2.57233	11.92149	7.93190
.920	15.295	.93591	.10946	-.12773	.87389	.35246	2.47936	11.95149	7.93190
.920	16.388	.99307	.11025	-.13209	.92162	.38596	2.38786	11.91149	7.92188
.920	17.471	1.06241	.11137	-.13692	.97996	.42519	2.30478	12.05151	7.98197
.921	19.633	1.15676	.11167	-.12946	1.05199	.49383	2.13026	11.93149	8.08212
GRADIENT		.06519	.00037	-.00885	.06333	.00144	.55437	-.00505	-.00600

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 195/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.919	-.23502	.11972	.01156	-.22629	.13551	-1.66995	11.91149	7.95193
.951	-2.200	-.11714	.11913	-.00875	-.11248	.12354	-.91049	11.91149	8.03205
.951	-1.061	-.03778	.12001	-.02113	-.03556	.12069	-.29461	11.92149	8.05208
.951	-.011	.02721	.11979	-.03088	.02723	.11979	.22734	11.93149	8.05208
.950	1.094	.10323	.11967	-.04279	.10092	.12162	.82980	11.92149	8.03205
.950	2.204	.17659	.11916	-.05468	.17188	.12586	1.36563	11.91149	8.01202
.950	3.316	.25045	.11814	-.06644	.24320	.13243	1.93651	11.92149	8.00200
.950	4.416	.32246	.11695	-.07699	.31250	.14143	2.20960	11.94149	7.97196
.950	5.488	.38835	.11614	-.08650	.37546	.15275	2.45807	11.95149	7.92188
.950	6.583	.46251	.11494	-.09625	.44628	.16720	2.66915	11.93149	7.74161
.950	7.735	.53035	.11347	-.10155	.51025	.18381	2.77593	11.86148	7.90185
.950	8.798	.59559	.11270	-.10906	.57134	.20248	2.82173	11.97150	7.94191
.950	9.886	.65371	.11257	-.11301	.62468	.22313	2.79955	11.94149	7.93190
.949	11.029	.72344	.11300	-.11886	.68846	.24931	2.76140	11.93149	7.93190
.949	12.095	.78643	.11336	-.12935	.74523	.27562	2.70384	11.92149	7.94191
.949	13.160	.84852	.11600	-.13887	.79983	.30614	2.61263	11.94149	8.02203
.949	14.237	.90652	.11752	-.14315	.84978	.33685	2.52269	11.99150	7.98197
.949	15.330	.96850	.11875	-.14757	.90265	.37057	2.43581	11.98150	7.95193
.949	17.528	1.09284	.12124	-.15611	1.00558	.44474	2.26105	11.93149	7.95193
.949	19.682	1.19134	.12420	-.15227	1.07991	.51818	2.08404	11.98150	7.86179
GRADIENT		.06675	-.00027	-.01056	.06454	.00093	.48004	.00227	-.00079

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 190/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.882	-.21800	.14450	.01199	-.20772	.15892	-1.30701	12.00850	7.97997
.980	-2.187	-.10539	.14227	-.00780	-.09989	.14619	-.68326	11.98850	8.01001
.980	-1.073	-.03124	.14208	-.01955	-.02857	.14264	-.20032	12.02850	8.02003
.980	.007	.03954	.14179	-.02999	.03952	.14179	.27871	11.92851	8.01001
.980	1.140	.11245	.14162	-.04121	.10961	.14383	.76207	12.07849	8.03004
.980	2.208	.18278	.14137	-.05258	.17720	.14831	1.19481	12.02850	8.00000
.980	3.312	.25732	.14052	-.06466	.24878	.15515	1.60344	11.98850	8.01001
.980	4.447	.33225	.13962	-.07630	.32042	.16496	1.94238	12.02850	8.00000
.979	5.515	.40263	.13897	-.08729	.38741	.17703	2.18838	11.99850	7.93992
.979	6.639	.47656	.13803	-.09888	.45731	.19299	2.36961	11.97850	7.97997
.979	7.701	.54110	.13841	-.10757	.51767	.20967	2.46899	11.96850	7.96996
.979	8.840	.60700	.13785	-.11410	.57861	.22949	2.52129	11.97850	7.94994
.979	9.910	.67555	.13856	-.12193	.64163	.25276	2.53852	11.94851	7.98999
.979	11.006	.74058	.13959	-.12905	.70031	.27841	2.51538	11.87852	7.95995
.979	12.106	.80949	.14072	-.13704	.76197	.30736	2.47908	11.93851	7.94994
.979	13.237	.87748	.14281	-.14361	.82146	.33994	2.41650	12.03850	8.04005
.979	14.324	.93954	.14416	-.14699	.87467	.37213	2.35042	11.95851	7.98999
.979	15.404	1.00317	.14538	-.15045	.92852	.40662	2.28349	11.95851	8.00000
.980	17.601	1.12415	.14795	-.15299	1.02679	.48095	2.13493	11.92851	7.98999
.980	19.781	1.23934	.14775	-.15835	1.11621	.55845	1.99875	11.97850	8.12015
GRADIENT		.06594	-.00048	-.01048	.06332	.00096	.40137	.00292	.00129

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 186/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.121	-3.891	-.22297	.15830	.02934	-.21171	.17307	-1.22327	11.99850	8.01001
1.121	-2.186	-.11620	.15789	.00916	-.11009	.16220	-.67873	11.98850	7.98999
1.121	-1.123	-.04422	.15790	-.00545	-.04112	.15874	-.25903	12.02850	7.98999
1.122	-.027	.03188	.15838	-.02256	.03195	.15837	.20175	12.06849	7.94994
1.121	1.095	.10441	.15889	-.03821	.10136	.16085	.63013	11.99850	8.02003
1.122	2.177	.17550	.15927	-.05279	.16933	.16583	1.02112	11.94851	8.01001
1.121	3.181	.24102	.15966	-.06559	.23179	.17278	1.34152	11.93851	7.94994
1.121	4.438	.32083	.16046	-.08010	.30745	.18480	1.66368	11.97850	8.00000
1.121	5.510	.38976	.16061	-.09150	.37253	.19729	1.88823	11.99850	7.97997
1.121	6.688	.46002	.15965	-.10158	.43830	.21214	2.06608	11.98850	8.01001
1.120	7.702	.52199	.15825	-.11055	.49607	.22678	2.18746	11.98850	7.96996
1.121	8.834	.58649	.15654	-.11833	.55549	.24475	2.26964	11.95851	7.97997
1.120	9.861	.65217	.15410	-.12367	.61614	.26351	2.33826	11.95851	7.98999
1.120	10.989	.70933	.15175	-.12546	.66740	.28418	2.34847	11.95851	7.94994
1.120	12.094	.77948	.15060	-.13098	.73063	.31057	2.35252	11.94851	7.97997
1.120	13.302	.85313	.15158	-.13848	.79537	.34380	2.31345	11.94851	7.96996
1.120	14.476	.92408	.15291	-.14447	.85652	.37905	2.25961	11.96850	7.96996
1.120	15.506	.98491	.15419	-.14873	.90784	.41189	2.20407	11.96850	8.00000
1.119	17.620	1.10345	.15542	-.15790	1.00464	.48214	2.08371	12.02850	8.05006
1.117	19.852	1.21339	.15352	-.16341	1.08914	.55646	1.95728	12.00850	7.98999
GRADIENT	.06575	.00029	-.01348	.06283	.00152	.35938	-.00695	-.00151	

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 179/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-3.867	-.19840	.16488	.03005	-.18683	.17789	-1.05025	12.05849	8.01001
1.201	-2.174	-.09145	.16489	.00611	-.08513	.16824	-.50602	12.04849	7.97997
1.201	-1.054	-.02224	.16519	-.00949	-.01920	.16557	-.11595	12.07849	7.96996
1.201	-.035	.04027	.16522	-.02368	.04037	.16520	.24438	11.89851	7.94994
1.201	.994	.10237	.16541	-.03755	.09948	.16716	.59513	11.96850	7.96996
1.201	2.122	.16872	.16501	-.05107	.16249	.17115	.94944	11.92851	7.94994
1.201	3.332	.24259	.16454	-.06572	.23262	.17836	1.30417	11.94851	7.94994
1.201	4.433	.30991	.16449	-.07822	.29627	.18795	1.57635	11.95851	7.97997
1.201	5.403	.36956	.16422	-.08923	.35246	.19829	1.77753	11.96850	7.97997
1.200	6.559	.43921	.16356	-.10114	.41765	.21266	1.96393	11.99850	7.96996
1.200	7.660	.50324	.16216	-.11037	.47714	.22780	2.09458	11.93851	7.96996
1.200	8.721	.56620	.16075	-.11841	.53528	.24474	2.18717	11.94851	7.94994
1.200	9.875	.63515	.15929	-.12544	.59842	.26586	2.25089	11.93851	7.95995
1.200	11.009	.69732	.15783	-.13099	.65435	.28808	2.27139	11.96850	7.97997
1.201	12.065	.76156	.15680	-.13755	.71197	.31252	2.27815	11.94851	7.93992
1.201	13.220	.83010	.15638	-.14375	.77234	.34206	2.25789	11.94851	7.92991
1.201	14.315	.89432	.15729	-.15005	.82766	.37353	2.21577	11.93851	7.92991
1.201	15.352	.95224	.15825	-.15480	.87636	.40471	2.16543	11.97850	7.93992
1.200	17.533	1.07035	.15946	-.16211	.97259	.47451	2.04968	11.94851	7.93992
1.199	19.775	1.18457	.15966	-.16567	1.06069	.55103	1.92493	11.93851	7.96996
GRADIENT	.06099	-.00005	-.01307	.05798	.00136	.32218	-.01622	-.00436	

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 233/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.603	-3.854	-.38326	.05052	.11503	-.37900	.07617	-4.97590	-10.03376	-10.00125
.603	-2.255	-.30121	.05493	.11017	-.29881	.06673	-4.47770	-10.02376	-10.02127
.603	-1.182	-.24502	.05716	.10810	-.24379	.06220	-3.91952	-10.03376	-10.02127
.603	-.128	-.19702	.05831	.10633	-.19689	.05875	-3.35148	-10.03376	-10.04130
.604	.981	-.14619	.05843	.10576	-.14717	.05591	-2.63208	-10.04377	-10.03129
.603	2.013	-.09247	.05754	.10482	-.09444	.05425	-1.74065	-10.03376	-10.02127
.603	3.075	-.03832	.05546	.10354	-.04124	.05333	-.77325	-10.03376	-10.01126
.603	4.140	.01012	.05285	.10260	.00627	.05345	.11739	-10.04377	-10.02127
.603	5.162	.06330	.04912	.10202	.05863	.05462	1.07335	-10.04377	-10.03129
.603	6.232	.11487	.04437	.10122	.10938	.05658	1.93326	-10.03376	-10.02127
.603	7.306	.16941	.03872	.10088	.16311	.05995	2.72069	-10.05377	-10.02127
.603	8.355	.22046	.03274	.10006	.21336	.06442	3.31188	-10.05377	-10.03129
.603	9.456	.28117	.02547	.09951	.27317	.07132	3.83017	-10.05377	-10.02127
.603	10.517	.34138	.01816	.09966	.33233	.08017	4.14553	-10.05377	-10.02127
.603	11.572	.39645	.01143	.09962	.38609	.09073	4.25557	-10.07378	-10.02127
.602	12.642	.45603	.01664	.09314	.44133	.11604	3.80309	-10.10379	-10.05131
.603	13.729	.51303	.01577	.09210	.49462	.13708	3.60823	-10.08378	-10.07133
.603	14.777	.56821	.02033	.08809	.54423	.16458	3.30670	-10.02376	-10.03129
.603	16.897	.69350	.02162	.08249	.65728	.22226	2.95730	-10.02376	-10.05131
.603	19.039	.82001	.01999	.07692	.76863	.28639	2.68389	-10.03376	-10.05131
GRADIENT		.04908	.00026	-.00142	.04807	-.00276	.65293	-.00135	-.00103

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 229/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.804	-4.003	-.41137	.06141	.13227	-.40608	.08997	-4.51345	-10.04377	-10.08134
.804	-2.282	-.30227	.06436	.12009	-.29947	.07634	-3.92287	-10.05377	-10.10136
.804	-1.212	-.24135	.06566	.11401	-.23991	.07075	-3.39086	-10.05377	-10.10136
.804	-.142	-.18294	.06644	.11027	-.18277	.06689	-2.73230	-10.05377	-10.09135
.804	.955	-.12721	.06639	.10733	-.12830	.06426	-1.99662	-10.06377	-10.09135
.804	2.061	-.06524	.06538	.10440	-.06755	.06299	-1.07244	-10.05377	-10.10136
.804	3.132	-.00619	.06337	.10129	-.00965	.06294	-.15327	-10.06377	-10.10136
.803	4.198	.05650	.06069	.09731	.05190	.06466	.80264	-10.07378	-10.11138
.804	5.259	.11758	.05847	.09147	.11173	.06900	1.61931	-10.03376	-10.01126
.803	6.364	.18281	.05639	.08475	.17543	.07631	2.29900	-10.03376	-10.03129
.804	7.461	.24900	.05512	.07776	.23973	.08699	2.75598	-10.05377	-10.06132
.804	8.558	.30313	.05457	.07603	.29163	.09907	2.94368	-10.06377	-10.08134
.804	9.632	.35218	.05620	.07862	.33781	.11434	2.95444	-10.06377	-10.08134
.804	10.669	.40001	.05738	.07712	.38247	.13044	2.93210	-10.03376	-10.03129
.803	11.774	.45578	.05923	.07339	.43410	.15099	2.87500	-10.05377	-10.03129
.804	12.818	.49771	.06168	.07535	.47162	.17057	2.76496	-10.05377	-10.07133
.804	13.872	.54083	.06422	.07628	.50966	.19201	2.65434	-10.07378	-10.09135
.804	14.946	.59259	.06630	.07562	.55544	.21689	2.56092	-10.07378	-10.11138
.803	17.123	.70292	.06765	.07485	.65185	.27161	2.39990	-10.01376	-9.95120
.804	19.276	.81964	.06723	.07620	.75150	.33404	2.24976	-9.99375	-10.03129
GRADIENT		.05607	-.00008	-.00394	.05488	-.00292	.66244	-.00284	-.00228

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 225/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.951	-.44477	.08443	.17052	-.43789	.11487	-3.81211	-9.95373	-9.99124
.921	-2.293	-.33107	.08819	.15590	-.32728	.10137	-3.22865	-10.04377	-9.99124
.921	-1.184	-.25663	.08947	.14376	-.25473	.09475	-2.68845	-10.05377	-10.03129
.921	-.070	-.17731	.09014	.12943	-.17720	.09036	-1.96113	-10.04377	-10.05131
.921	1.024	-.09788	.09134	.11461	-.09950	.08957	-1.11082	-10.00375	-10.03129
.921	2.114	-.02071	.09156	.09966	-.02407	.09074	-.26529	-10.01376	-10.04130
.921	3.227	.05852	.09203	.08501	.05325	.09518	.55946	-9.99375	-10.02127
.921	4.336	.13260	.09193	.07276	.12527	.10169	1.23183	-9.99375	-10.05131
.921	5.432	.20141	.09212	.06414	.19178	.11078	1.73125	-10.02376	-10.06132
.921	6.508	.25733	.09285	.06218	.24515	.12142	2.01896	-9.99375	-10.04130
.920	7.576	.30983	.09252	.05874	.29492	.13256	2.22480	-10.00375	-10.06132
.921	8.673	.36567	.09381	.05767	.34735	.14787	2.34893	-9.99375	-10.05131
.920	9.731	.41480	.09594	.05160	.39262	.16467	2.38432	-9.98374	-10.01126
.921	10.804	.46051	.09762	.05184	.43404	.18222	2.38203	-10.00375	-10.04130
.922	11.882	.51140	.09879	.04955	.48010	.20197	2.37706	-10.00375	-10.02127
.921	12.972	.56180	.09881	.05047	.52528	.22240	2.35188	-10.01376	-10.03129
.921	14.061	.62126	.09929	.04685	.57852	.24726	2.33972	-9.97374	-10.04130
.921	15.169	.67860	.09910	.04500	.62903	.27322	2.30232	-10.03376	-10.05131
.921	17.324	.80031	.09849	.03877	.73468	.33233	2.21070	-9.95373	-10.00125
.921	19.494	.90034	.09898	.04029	.81571	.39375	2.07163	-10.00375	-10.07133
GRADIENT		.07013	.00084	-.01223	.06845	-.00152	.64151	.00069	-.00611

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 OF POOR QUALITY

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 227/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.952	-3.999	-.47118	.10346	.20143	-.46282	.13607	-3.40131	-10.00375	-9.98123
.952	-2.278	-.34013	.10392	.17497	-.33573	.11735	-2.86088	-9.99375	-10.03129
.952	-1.174	-.26105	.10517	.15951	-.25884	.11049	-2.34256	-10.00375	-9.99124
.952	-.067	-.17853	.10654	.14233	-.17841	.10675	-1.67132	-9.99375	-9.98123
.952	1.030	-.09502	.10770	.12401	-.09694	.10597	-.91477	-9.99375	-10.03129
.952	2.134	-.01287	.10781	.10490	-.01688	.10725	-.15736	-9.99375	-9.97122
.952	3.255	.07407	.10754	.08583	.06784	.11157	.60803	-10.00375	-10.00125
.952	4.350	.14499	.10748	.07241	.13642	.11816	1.15448	-10.01376	-9.99124
.952	5.439	.21842	.10686	.05983	.20730	.12708	1.63126	-10.00375	-10.00125
.952	6.544	.28484	.10624	.05179	.27088	.13801	1.96275	-10.00375	-10.00125
.952	7.633	.34506	.10577	.04633	.32795	.15067	2.17657	-10.00375	-9.99124
.952	8.724	.40800	.10479	.03860	.38739	.16546	2.34123	-10.00375	-10.03129
.952	9.804	.46774	.10433	.03454	.44314	.18246	2.42871	-10.00375	-9.98123
.952	10.895	.52120	.10429	.03076	.49209	.20092	2.44913	-9.99375	-10.03129
.951	11.964	.57350	.10528	.02758	.53921	.22188	2.43023	-9.99375	-9.98123
.951	13.060	.62873	.10544	.02521	.58864	.24479	2.40464	-10.00375	-10.02127
.952	14.145	.69157	.10650	.01428	.64458	.27228	2.36731	-9.97374	-10.00125
.951	15.231	.74857	.10631	.01058	.69434	.29923	2.32040	-9.99375	-10.03129
.952	17.419	.87224	.10742	.00187	.80009	.36360	2.20043	-9.97374	-9.98123
.952	19.584	.97880	.10706	.00365	.88630	.42894	2.06624	-10.01376	-10.05131
GRADIENT	.07427	.00057	-.01575	.07229	-.00185	.57826	-.00084		.00071

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 231/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.916	-.32363	.14364	.13239	-.31307	.16541	-1.89269	-9.96374	-10.02127
1.203	-2.245	-.21428	.14412	.10436	-.20847	.15240	-1.36789	-9.99375	-10.06132
1.203	-1.136	-.14299	.14423	.08617	-.14010	.14703	-.95287	-10.03376	-10.01126
1.204	-.047	-.07211	.14469	.06876	-.07199	.14475	-.49732	-10.04377	-10.04130
1.204	1.069	-.00408	.14493	.05267	-.00678	.14483	-.04683	-10.04377	-10.07133
1.204	2.140	.05844	.14458	.03877	.05300	.14666	.36139	-10.02376	-10.06132
1.204	3.234	.13014	.14405	.02356	.12180	.15116	.80579	-10.07378	-10.03129
1.204	4.333	.19622	.14314	.01094	.18484	.15756	1.17316	-10.03376	-10.08134
1.204	5.437	.25492	.14113	.00271	.24040	.16464	1.46010	-9.95373	-10.01126
1.204	6.524	.31577	.13972	-.00554	.29785	.17469	1.70505	-9.97374	-10.05131
1.203	7.621	.37649	.13843	-.01304	.35480	.18714	1.89589	-9.99375	-10.08134
1.203	8.778	.44159	.13692	-.02011	.41552	.20271	2.04982	-10.00375	-10.02127
1.203	9.835	.49683	.13511	-.02224	.46645	.21799	2.13974	-10.02376	-10.02127
1.203	10.954	.55955	.13290	-.02585	.52409	.23681	2.21317	-10.04377	-10.10136
1.203	12.058	.62056	.13138	-.03020	.57942	.25812	2.24480	-10.06377	-10.06132
1.203	13.155	.68488	.13022	-.03610	.63727	.28267	2.25445	-10.05377	-10.04130
1.203	14.261	.74825	.12962	-.04160	.69326	.30995	2.23669	-10.07378	-10.10136
1.205	15.377	.80924	.12976	-.04505	.74586	.33971	2.19561	-10.06377	-10.07133
1.204	17.606	.92642	.12893	-.05344	.84402	.40311	2.09380	-10.08378	-10.05131
1.203	19.777	1.03197	.12871	-.05420	.92755	.47029	1.97229	-10.10379	-10.10136
GRADIENT		.06284	-.00002	-.01474	.06021	-.00077	.38146	-.00921	-.00475

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 232/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.603	-3.778	-.20910	.04469	.02749	-.20570	.05837	-3.52394	.01000	.00000
.603	-2.129	-.13153	.04915	.02645	-.12961	.05400	-2.40020	.00000	.01002
.603	-1.082	-.08157	.05080	.02569	-.08060	.05233	-1.54023	.01000	.00000
.603	-.027	-.03361	.05155	.02479	-.03359	.05157	-.65141	.01000	-.01001
.603	1.031	.01646	.05132	.02439	.01556	.05160	.30147	.01000	.00000
.603	2.091	.06874	.05024	.02389	.06686	.05271	1.26847	.01000	-.02002
.603	3.148	.11822	.04793	.02305	.11541	.05435	2.12330	.02000	-.03003
.603	4.225	.17559	.04464	.02229	.17182	.05746	2.99041	.01000	-.01001
.603	5.306	.22867	.04028	.02137	.22397	.06125	3.65648	.03000	-.02002
.603	6.360	.28413	.03492	.01992	.27851	.06618	4.20833	.03000	-.02002
.603	7.390	.33605	.02931	.01889	.32949	.07229	4.55794	.02000	-.02002
.603	8.466	.39405	.02276	.01716	.38641	.08052	4.79874	.02000	-.03003
.603	9.572	.46015	.01491	.01551	.45127	.09122	4.94692	.01000	-.04005
.603	10.616	.51527	.00858	.01500	.50487	.10336	4.88454	.02000	-.04005
.603	11.669	.57812	.00212	.01435	.56574	.11901	4.75381	.01000	-.02002
.603	12.730	.62351	.00968	.01248	.60605	.14683	4.12750	-.01000	-.14016
.603	13.785	.67592	.01444	.00830	.65301	.17508	3.72978	-.06002	-.17019
.602	14.855	.73718	.02174	-.00030	.70697	.21001	3.36635	-.12005	-.21024
.602	17.002	.87056	.02070	-.00724	.82645	.27436	3.01229	-.12005	.01002
.602	19.165	1.01124	.02037	-.01656	.94851	.35122	2.70061	-.02001	.00000
GRADIENT		.04776	-.00004	-.00064	.04686	-.00008	.83260	.00102	-.00336

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 228/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.804	-3.818	-.22903	.05061	.03711	-.22515	.06575	-3.42442	-.02001	.00000
.805	-2.176	-.14072	.05346	.03299	-.13859	.05876	-2.35846	-.01000	.01002
.804	-1.098	-.08489	.05496	.03098	-.08382	.05658	-1.48152	.00000	.00000
.804	-.006	-.02703	.05567	.02938	-.02702	.05567	-.48540	-.02001	.00000
.804	1.048	.02569	.05542	.02800	.02467	.05588	.44150	-.01000	.00000
.804	2.172	.08475	.05442	.02605	.08263	.05759	1.43472	.00000	.00000
.804	3.213	.14273	.05293	.02365	.13954	.06084	2.29332	-.01000	.00000
.803	4.309	.20502	.05099	.02050	.20061	.06625	3.02822	.00000	-.01001
.804	5.386	.26176	.04991	.01689	.25591	.07426	3.44620	.00000	-.01001
.804	6.460	.31460	.04996	.01482	.30698	.08504	3.60992	-.01000	-.04005
.803	7.527	.36818	.04939	.01407	.35854	.09719	3.68914	-.09003	-.09010
.804	8.616	.41562	.04949	.01430	.40352	.11120	3.62880	-.12005	-.11012
.804	9.658	.45820	.05109	.01470	.44313	.12724	3.48276	-.12005	-.10011
.803	10.741	.50984	.05282	.01364	.49106	.14691	3.34249	.00000	-.10011
.803	11.808	.55050	.05729	.01255	.52712	.16873	3.12405	-.07003	-.07008
.804	12.869	.59395	.06080	.01055	.56549	.19157	2.95195	-.03001	-.10011
.804	13.961	.67374	.06029	.00107	.63929	.22106	2.89198	-.06002	-.07008
.804	15.029	.73266	.06179	-.00425	.69157	.24966	2.77011	-.07003	-.06007
.803	17.227	.86317	.06250	-.01123	.80594	.31533	2.55585	-.10004	-.11012
.804	19.398	.98013	.06228	-.01103	.90381	.38428	2.35196	-.15006	-.08009
GRADIENT		.05298	.00001	-.00190	.05197	.00011	.82300	.00163	-.00121

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 224/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.921	-3.812	-.24453	.06855	.05018	-.23943	.08466	-2.82809	.01000	.01002
.921	-2.145	-.13005	.07212	.03473	-.12726	.07693	-1.65415	.02000	-.02002
.921	-1.055	-.05702	.07456	.02434	-.05564	.07559	-.73606	.02000	.00000
.921	.065	.01553	.07723	.01435	.01544	.07725	.19992	.03000	-.01001
.921	1.122	.07402	.07919	.01085	.07246	.08062	.89869	.01000	-.01001
.920	2.240	.13199	.08089	.00877	.12872	.08598	1.49708	-.01000	.00000
.921	3.317	.18931	.03253	.00577	.18422	.09335	1.97353	.02000	.00000
.921	4.402	.24472	.08286	.00446	.23764	.10140	2.34360	.02000	-.02002
.920	5.490	.29347	.08350	.00487	.28414	.11120	2.55528	.03000	.00000
.921	6.535	.32900	.08494	.01090	.31720	.12183	2.60354	.03000	-.02002
.920	7.621	.38678	.08477	.00723	.37212	.13532	2.75001	.03000	-.04005
.921	8.697	.42634	.08666	.00918	.40833	.15013	2.71992	.03000	-.01001
.921	9.767	.47799	.08882	.00133	.45599	.16862	2.70433	.00000	-.03003
.921	10.853	.52944	.09003	-.00249	.50302	.18810	2.67419	-.04002	-.03003
.920	11.910	.58144	.09099	-.00546	.55015	.20903	2.63169	-.10004	-.02002
.921	13.001	.64321	.09153	-.01030	.60613	.23389	2.59156	.00000	.00000
.921	14.104	.70756	.09200	-.01632	.66381	.26165	2.53705	-.03001	.00000
.920	15.198	.77444	.09146	-.02403	.72338	.29128	2.48345	-.04002	-.01001
.921	17.384	.90910	.09147	-.03666	.84024	.35890	2.34114	-.04002	.00000
.921	19.540	1.00975	.09207	-.03690	.92080	.42449	2.16918	.00000	.03005
.920	GRADIENT	.05916	.00182	-.00546	.05770	.00233	.64757	-.00035	-.00127

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 ATLRON = .000

RUN NO. 226/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.952	-3.831	-.25076	.08595	.06393	-.24446	.10251	-2.38475	.04001	.05008
.953	-2.147	-.12722	.08918	.04082	-.12379	.09388	-1.31859	.04001	.04007
.952	-1.044	-.05002	.09164	.02661	-.04834	.09254	-.52235	.04001	.03005
.952	.067	.02309	.09392	.01561	.02298	.09395	.24456	.04001	.02003
.952	1.169	.08736	.09588	.00770	.08539	.09764	.87449	.03000	.00000
.952	2.251	.15121	.09677	.00083	.14729	.10264	1.43507	.02000	.00000
.952	3.339	.21112	.09745	-.00523	.20509	.10958	1.87166	.03000	-.05006
.952	4.442	.28743	.09731	-.01877	.27903	.11927	2.33936	.02000	-.03003
.952	5.525	.34096	.09666	-.02127	.33007	.12904	2.55797	.00000	-.06007
.952	6.596	.38823	.09567	-.01827	.37467	.13963	2.68332	-.03001	-.05006
.952	7.678	.43994	.09545	-.01954	.42325	.15337	2.75965	.05001	-.03003
.952	8.757	.49086	.09602	-.02166	.47052	.16963	2.77384	.02000	-.01001
.951	9.832	.53969	.09707	-.02407	.51519	.18780	2.74329	-.04002	-.04005
.952	10.932	.59346	.03801	-.02868	.56411	.20878	2.70194	-.02001	.02003
.952	12.010	.65456	.09881	-.03572	.61967	.23284	2.66132	.03000	.02003
.952	13.109	.72057	.10047	-.04706	.67901	.26128	2.59880	-.03001	-.06007
.952	14.192	.78900	.10105	-.05870	.74014	.29141	2.53985	.03000	.03005
.954	15.304	.86236	.10168	-.06439	.80494	.32569	2.47149	.00000	-.01001
.952	17.501	.98778	.10260	-.06642	.91120	.39491	2.30739	.03000	.02003
.951	19.668	1.07721	.10091	-.05119	.98040	.45758	2.14257	.00000	-.03003
GRADIENT	.06377	.00145	-.00936	.06202	.00226	.57853	-.00265	-.01155	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(RJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 230/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.854	-.20185	.13217	.05040	-.19251	.14544	-1.32365	.06001	-.04005
1.203	-2.169	-.10086	.13348	.02759	-.09573	.13720	-.69775	-.08003	.02003
1.203	-1.068	-.03765	.13412	.01342	-.03514	.13480	-.26070	-.08003	-.02002
1.203	.040	.02958	.13461	-.00089	.02949	.13463	.21905	-.07003	-.10011
1.203	1.129	.09032	.13506	-.01347	.08764	.13632	.64056	-.08003	-.10011
1.204	2.228	.15689	.13528	-.02622	.15152	.14128	1.07247	-.08003	-.16018
1.204	3.324	.21950	.13513	-.03698	.21129	.14763	1.43124	-.13005	-.13015
1.204	4.407	.27727	.13382	-.04434	.26617	.15473	1.72021	-.14005	-.09010
1.204	5.498	.33384	.13239	-.05159	.31962	.16377	1.95163	.08001	-.05006
1.204	6.565	.39441	.13150	-.05976	.37679	.17573	2.14411	-.06002	-.08009
1.204	7.675	.45622	.13035	-.06716	.43473	.19012	2.28665	-.08003	-.06007
1.204	8.787	.51865	.12923	-.07388	.49282	.20695	2.38138	-.09003	-.12014
1.204	9.892	.58120	.12732	-.07934	.55069	.22528	2.44446	-.08003	.00000
1.203	11.010	.64422	.12627	-.08323	.60824	.24698	2.46270	-.08003	-.07008
1.203	12.123	.70428	.12609	-.08699	.66209	.27119	2.44142	-.09003	-.14016
1.203	13.195	.76301	.12702	-.09020	.71387	.29784	2.39686	-.12005	-.09010
1.203	14.301	.82853	.12822	-.09807	.77118	.32890	2.34474	-.01000	-.07008
1.203	15.451	.89474	.12979	-.10387	.82782	.36347	2.27754	.02000	-.12014
1.203	17.613	1.00809	.13089	-.11261	.92123	.42978	2.14347	-.06002	-.29033
1.203	19.805	1.11590	.13064	-.11478	1.00563	.50100	2.00724	-.10004	-.13015
1.203	GRADIENT	.05820	.00026	-.01165	.05575	.00133	.37816	-.01788	-.01550

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3045) (11 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 247/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.984	-4.195	-.61562	.20494	.29323	-.59897	.24943	-2.40139	-15.01563	-15.03692
.984	-2.448	-.49810	.20239	.27030	-.48900	.22348	-2.18809	-15.02563	-14.99697
.984	-1.318	-.41922	.20118	.25758	-.41448	.21077	-1.96652	-14.99562	-14.99687
.984	-.218	-.34927	.19907	.24791	-.34851	.20040	-1.73904	-15.01563	-15.00688
.983	.885	-.27510	.19674	.23566	-.27810	.19247	-1.44493	-14.95561	-15.02691
.983	1.988	-.19876	.19372	.22111	-.20536	.18671	-1.09991	-14.96561	-14.98686
.983	3.098	-.11698	.19106	.20573	-.12714	.18446	-.68922	-14.99562	-15.02691
.983	4.222	-.03320	.18892	.19028	-.04701	.18597	-.25281	-15.02563	-15.03692
.984	5.311	.04173	.18656	.17490	.02428	.18962	.12806	-14.98562	-15.00688
.983	6.406	.12057	.18419	.15893	.09927	.19649	.50519	-15.00563	-15.01689
.983	7.525	.19843	.18285	.14663	.17278	.20726	.83364	-15.03564	-15.02691
.983	8.612	.26924	.18160	.13428	.23901	.21986	1.08709	-14.99562	-15.04693
.983	9.711	.33916	.18113	.12462	.30375	.23575	1.28845	-15.00563	-14.99687
.983	10.821	.41001	.17933	.11377	.36905	.25311	1.45805	-14.98562	-15.00688
.983	11.930	.48863	.17532	.10109	.44183	.27255	1.62111	-14.98562	-14.99687
.983	13.027	.56060	.17105	.08724	.50761	.29302	1.73236	-15.03564	-15.03692
.983	14.127	.62863	.16762	.07915	.56870	.31598	1.79983	-14.98562	-15.00688
.984	15.226	.69445	.16729	.07257	.62614	.34380	1.82123	-15.01563	-15.03692
.983	17.409	.81398	.15912	.06477	.72908	.39537	1.84404	-15.01563	-14.98686
.983	19.595	.93133	.15478	.05949	.82549	.45815	1.80177	-15.02563	-15.01689
.983	GRADIENT	.06874	-.00197	-.01193	.06517	-.00751	.25774	.00241	-.00111

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3045) (11 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 239/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-2.240	-.36576	.21343	.22109	-.35714	.22756	-1.56945	-15.01375	-15.05506
1.204	-1.139	-.29041	.21195	.20023	-.28614	.21767	-1.31453	-15.05376	-15.08509
1.204	-.166	-.22133	.21064	.18115	-.22072	.21128	-1.04469	-14.96374	-14.98498
1.204	.872	-.14913	.20928	.16159	-.15230	.20699	-.73578	-14.99375	-15.02503
1.204	2.000	-.07924	.20775	.14478	-.08644	.20486	-.42193	-14.98375	-15.01502
1.204	3.343	.00829	.20547	.12366	-.00370	.20560	-.01800	-15.00375	-14.98498
1.204	4.274	.06393	.20384	.11209	.04856	.20804	.23343	-15.00375	-14.98498
1.204	5.447	.13516	.20146	.09669	.11542	.21338	.54092	-14.99375	-15.01502
1.203	6.614	.20559	.19879	.08439	.18132	.22114	.81993	-15.00375	-15.02503
1.204	7.727	.27283	.19579	.07332	.24403	.23070	1.05777	-14.97374	-14.97497
1.204	8.693	.32741	.19264	.06493	.29453	.23991	1.22769	-15.00375	-15.02503
1.204	9.917	.40634	.18782	.05380	.36792	.25499	1.44285	-14.97374	-15.01502
1.204	10.979	.46950	.18430	.04613	.42581	.27035	1.57504	-15.00375	-15.00501
1.203	12.110	.53659	.18078	.03947	.48672	.28932	1.68229	-14.97374	-15.01502
1.203	13.059	.59127	.17809	.03377	.53574	.30709	1.74457	-15.00375	-15.02503
1.203	14.244	.66129	.17542	.02623	.59780	.33273	1.79663	-15.00375	-15.01502
1.203	15.356	.72250	.17324	.02116	.65083	.35838	1.81601	-15.01375	-15.02503
1.203	17.482	.83741	.16810	.01339	.74823	.41191	1.81650	-15.04376	-15.05506
1.202	19.825	.95398	.16045	.00809	.84303	.47448	1.77673	-14.99375	-15.09510
GRADIENT		.06610	-.00146	-.01681	.06244	-.00286	.28137	.00331	.01231

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3046) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 244/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.983	-4.117	-.53764	.18012	.25231	-.52332	.21826	-2.39770	-10.00375	-10.01126
.984	-2.355	-.41549	.17670	.22755	-.40788	.19363	-2.10651	-9.97374	-10.03129
.983	-1.253	-.34242	.17565	.21582	-.33850	.18310	-1.84874	-9.97374	-10.05131
.983	-.147	-.26617	.17425	.20340	-.26572	.17493	-1.51896	-9.95373	-10.04130
.983	.949	-.18853	.17258	.18962	-.19137	.16944	-1.12942	-9.96374	-9.95120
.983	2.059	-.11380	.17114	.17526	-.11987	.16694	-.71809	-9.96374	-9.96121
.984	3.155	-.03501	.17038	.16003	-.04434	.16819	-.26362	-9.96374	-10.01126
.983	4.267	.04205	.16910	.14460	.02935	.17176	.17089	-9.98374	-10.02127
.983	5.374	.12055	.16809	.12995	.10428	.17864	.58372	-9.99375	-9.97122
.983	6.470	.18980	.16733	.11912	.16973	.18765	.90453	-10.00375	-9.98123
.983	7.569	.25969	.16688	.10925	.23545	.19963	1.17942	-9.98374	-9.98123
.983	8.663	.32830	.16540	.09733	.29963	.21297	1.40694	-9.98374	-9.99124
.983	9.772	.40763	.16360	.08350	.37395	.23042	1.62293	-10.00375	-9.95120
.983	10.852	.47119	.16172	.07430	.43231	.24754	1.74641	-10.02376	-9.98123
.983	11.956	.53718	.15993	.06480	.49240	.26775	1.83903	-10.04377	-10.04130
.983	13.056	.60664	.15768	.05556	.55534	.29064	1.91071	-9.94373	-9.99124
.983	14.143	.67050	.15641	.05031	.61196	.31550	1.93965	-9.96374	-10.02127
.983	15.247	.73196	.15335	.04633	.66586	.34045	1.95586	-9.98374	-9.96121
.983	17.430	.85307	.14879	.03628	.76932	.39749	1.93543	-9.96374	-10.04130
.983	19.624	.97807	.14388	.02837	.87294	.45400	1.88133	-10.00375	-9.99124
GRADIENT		.06911	-.00128	-.01262	.06594	-.00538	.31565	.00241	.00382

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3046) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVEN = -10.000 AILRON = .000

RUN NO. 237/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.911	-.42467	.19987	.21695	-.41005	.22837	-1.79557	-9.99250	-10.00000
1.204	-2.290	-.31236	.19815	.18617	-.30419	.21047	-1.44530	-10.02251	-10.00000
1.204	-1.175	-.23488	.19692	.16546	-.23079	.20170	-1.14425	-10.00250	-10.00000
1.204	-.066	-.16193	.19600	.14607	-.16170	.19619	-.82421	-9.99250	-10.02002
1.204	1.013	-.08998	.19491	.12763	-.09342	.19329	-.48329	-10.00250	-9.94995
1.204	2.140	-.01995	.19341	.11014	-.02716	.19253	-.14107	-10.01250	-10.00000
1.203	3.202	.04467	.19181	.09517	.03388	.19400	.17466	-10.01250	-10.05005
1.204	4.337	.11690	.19005	.07981	.10220	.19834	.51524	-10.03251	-10.02002
1.203	5.409	.18014	.18820	.06677	.16160	.20435	.79080	-10.00250	-9.98999
1.203	6.509	.24668	.18564	.05421	.22404	.21240	1.05480	-10.01250	-10.03003
1.202	7.641	.31291	.18274	.04346	.28584	.22272	1.28337	-10.03251	-10.03003
1.202	8.738	.37260	.17969	.03678	.34098	.23421	1.45588	-9.99250	-10.04004
1.203	9.815	.43738	.17628	.03044	.40093	.24826	1.61497	-10.00250	-10.03003
1.203	10.927	.49745	.17344	.02573	.45556	.26459	1.72177	-10.00250	-10.05005
1.203	12.035	.56311	.17056	.01960	.51517	.28423	1.81252	-10.06252	-10.01001
1.203	13.183	.62882	.16883	.01268	.57374	.30779	1.86410	-10.03251	-10.05005
1.202	14.248	.69360	.16770	.00538	.63099	.33325	1.89347	-10.04251	-10.04004
1.204	15.349	.75333	.16547	.00031	.68266	.35898	1.90168	-10.06252	-10.10010
1.203	17.536	.87183	.16043	-.00994	.78298	.41566	1.88369	-10.15254	-10.15015
1.202	19.752	.98342	.15353	-.01394	.87368	.47684	1.83224	-10.04251	-9.98999
GRADIENT		.06547	-.00116	-.01666	.06196	-.00347	.28627	-.00284	-.00323

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TABULATED SOURCE DATA - LA62

PAGE 219

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3047) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 246/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.984	-4.119	-.53773	.18042	.25143	-.52338	.21858	-2.39447	-7.98299	-11.99349
.984	-2.344	-.41444	.17768	.22704	-.40683	.19449	-2.09181	-8.00300	-12.01352
.984	-1.263	-.34072	.17609	.21445	-.33676	.18356	-1.83464	-7.99300	-12.01352
.984	-.149	-.26610	.17480	.20213	-.26565	.17549	-1.51376	-7.99300	-11.99349
.983	.954	-.19038	.17360	.18880	-.19324	.17040	-1.13403	-7.98299	-12.00350
.983	2.044	-.11632	.17251	.17495	-.12240	.16825	-.72748	-7.98299	-12.00350
.984	3.162	-.03665	.17158	.15988	-.04606	.16929	-.27208	-7.99300	-11.98348
.984	4.267	.04228	.17034	.14453	.02948	.17301	.17042	-7.99300	-11.98348
.983	5.355	.11607	.16858	.12955	.09983	.17868	.55872	-7.99300	-11.99349
.983	6.473	.19288	.16778	.11772	.17274	.18845	.91661	-7.99300	-11.97347
.983	7.568	.25943	.16734	.10843	.23513	.20005	1.17535	-8.00300	-11.98348
.983	8.669	.33261	.16584	.09608	.30381	.21407	1.41918	-8.01300	-12.01352
.983	9.766	.40354	.16396	.08358	.36989	.23003	1.50796	-8.00300	-11.98348
.983	10.860	.46878	.16227	.07514	.42982	.24768	1.73536	-7.99300	-11.99349
.983	11.946	.53728	.16026	.06451	.49247	.26799	1.83762	-8.02301	-12.01352
.984	13.057	.60605	.15864	.05563	.55432	.29243	1.89557	-7.99300	-11.96346
.984	14.156	.67262	.15659	.04969	.61390	.31633	1.94071	-8.00300	-12.00350
.983	15.254	.73068	.15336	.04604	.66458	.34020	1.95348	-8.01300	-12.03354
.983	17.419	.85130	.14903	.03658	.76765	.39704	1.93346	-8.05302	-12.01352
.982	19.624	.97666	.14355	.03013	.87172	.46322	1.88188	-8.06302	-12.07358
GRADIENT		.06887	-.00117	-.01251	.06568	-.00526	.31353	.00010	.00229

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3047) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BD LAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 238/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.202	-3.865	-.41985	.19985	.21557	-.40543	.22770	-1.78055	-7.99200	-12.00200
1.202	-2.269	-.31186	.19840	.18637	-.30376	.21059	-1.44242	-8.03201	-12.04204
1.203	-1.191	-.23991	.19719	.16704	-.23575	.20214	-1.16631	-8.01200	-12.06206
1.204	-.077	-.16329	.19629	.14679	-.16303	.19651	-.82963	-7.98200	-12.02202
1.204	1.020	-.09228	.19548	.12856	-.09574	.19380	-.49402	-8.01200	-12.06206
1.204	2.125	-.02401	.19390	.11144	-.03118	.19288	-.16168	-8.02201	-12.01201
1.204	3.265	.05358	.19195	.09346	.04256	.19469	.21860	-8.03201	-12.03203
1.205	4.303	.11363	.19043	.08075	.09902	.19841	.49907	-8.03201	-12.05205
1.204	5.399	.17963	.18843	.06711	.16111	.20450	.78782	-7.98200	-12.00200
1.203	6.510	.24725	.18591	.05451	.22458	.21275	1.05563	-8.00200	-12.02202
1.203	7.623	.31391	.18298	.04344	.28686	.22300	1.28635	-8.01200	-12.04204
1.204	8.709	.37403	.18003	.03586	.34245	.23459	1.45980	-8.01200	-12.04204
1.203	9.822	.43648	.17651	.02968	.39997	.24838	1.61031	-9.04201	-12.01201
1.203	10.916	.49827	.17370	.02474	.45636	.26491	1.72267	-9.02201	-12.01201
1.203	12.045	.55389	.17084	.01853	.51582	.28475	1.81153	-8.03201	-12.04204
1.203	13.151	.62833	.16894	.01209	.57341	.30746	1.86498	-8.02201	-12.07207
1.203	14.236	.69198	.16752	.00592	.62953	.33254	1.89309	-8.09202	-12.07207
1.204	15.330	.75368	.16537	-.00013	.68314	.35874	1.90427	-8.08202	-12.08208
1.204	17.557	.87343	.16057	-.01082	.78431	.41657	1.88279	-8.06202	-12.07207
1.204	19.715	.98029	.15402	-.01427	.87087	.47569	1.83074	-8.07202	-12.04204
1.203	GRADIENT	.06553	-.00113	-.01665	.06202	-.00339	.28713	-.00362	-.00219

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3048) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 243/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.983	-4.059	-.43464	.16029	.18573	-.42220	.19065	-2.21452	-5.03189	-5.01564
.983	-2.285	-.31033	.15743	.15976	-.30381	.16968	-1.79045	-4.99187	-5.04568
.983	-1.183	-.23685	.15671	.14770	-.23357	.16157	-1.44565	-5.01188	-4.99562
.984	-.079	-.16244	.15652	.13637	-.16223	.15674	-1.03498	-5.00188	-5.01564
.983	1.017	-.09358	.15583	.12502	-.09633	.15414	-.62494	-5.01188	-4.97560
.983	2.117	-.02054	.15568	.11272	-.02628	.15481	-.16973	-5.01188	-4.99562
.983	3.216	.05797	.15541	.09959	.04916	.15842	.31030	-4.98187	-4.98561
.983	4.323	.12780	.15494	.08873	.11575	.16414	.70522	-4.98187	-5.00563
.983	5.418	.19590	.15440	.07759	.18044	.17221	1.04782	-4.98187	-4.99562
.983	6.516	.26509	.15406	.06810	.24590	.18315	1.34263	-4.99187	-4.97560
.983	7.613	.33170	.15344	.05991	.30845	.19603	1.57348	-5.00188	-5.01564
.983	8.711	.40231	.15232	.04884	.37460	.21150	1.77121	-5.00188	-4.99562
.983	9.795	.46770	.15139	.03976	.43512	.22874	1.90222	-5.02188	-4.98561
.983	10.895	.52948	.15036	.03274	.49151	.24773	1.98409	-5.01188	-5.02565
.983	11.987	.59191	.14960	.02638	.54793	.26928	2.07479	-5.00188	-5.00563
.983	13.067	.65342	.14938	.01922	.60272	.29325	2.05532	-4.99187	-5.00563
.982	14.174	.71745	.14746	.01369	.65951	.31865	2.06968	-5.00188	-4.96559
.983	15.268	.77955	.14628	.00890	.71352	.34640	2.05978	-5.00188	-4.96559
.983	17.463	.90708	.14227	-.00102	.82258	.40791	2.01658	-4.97186	-4.99562
.984	19.640	1.02403	.13962	-.00445	.91752	.47569	1.92882	-4.98187	-4.97560
GRADIENT		.06690	-.00054	-.01132	.06403	-.00290	.35991	.00415	.00413

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3048) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 236/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.818	-.35393	.18669	.17190	-.34062	.20984	-1.62325	-5.00125	-4.99499
1.203	-2.243	-.24932	.18565	.14555	-.24189	.19527	-1.23874	-5.01125	-5.02503
1.204	-1.147	-.17864	.18526	.12705	-.17489	.18880	-.92635	-5.01125	-5.05506
1.204	-.036	-.10607	.18465	.10902	-.10595	.18471	-.57361	-5.00125	-4.89489
1.204	1.063	-.03605	.18398	.09256	-.03945	.18328	-.21527	-5.02126	-5.08509
1.204	2.155	.02867	.18284	.07805	.02177	.18378	.11847	-5.02126	-5.01502
1.204	3.264	.09721	.18164	.06324	.08671	.18688	.46395	-5.01125	-5.05506
1.204	4.348	.16150	.18021	.04985	.14737	.19194	.76781	-5.02126	-4.98498
1.204	5.445	.22678	.17837	.03702	.20883	.19908	1.04897	-5.03125	-5.02503
1.204	6.552	.29116	.17637	.02557	.26913	.20844	1.29118	-5.03126	-5.02503
1.204	7.664	.35606	.17401	.01634	.32967	.21994	1.49889	-5.02126	-5.00501
1.203	8.736	.41193	.17148	.01044	.38111	.23205	1.64235	-5.00125	-5.03504
1.203	9.849	.47333	.16843	.00521	.43754	.24691	1.77205	-5.00125	-5.03504
1.203	10.963	.53632	.16624	-.00089	.49492	.26520	1.86622	-5.02126	-5.01502
1.203	12.042	.60293	.16449	-.00751	.55535	.28666	1.93729	-5.03126	-5.07508
1.203	13.196	.66546	.16284	-.01330	.61071	.31045	1.96716	-5.12128	-5.12513
1.202	14.268	.72668	.16103	-.01852	.66458	.33515	1.98289	-5.01125	-5.10511
1.204	15.380	.78841	.15971	-.02521	.71782	.36309	1.97695	-5.03126	-5.03504
1.204	17.563	.91225	.15613	-.03767	.82262	.42412	1.93958	-5.04126	-5.03504
1.203	19.735	1.01454	.15238	-.03886	.90349	.48602	1.85897	-5.07127	-5.05506
GRADIENT		.06308	-.00076	-.01497	.05977	-.00202	.29981	-.00201	-.00167

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 250/ 0		RN/L = 3.51		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.903	-3.994	-.32712	.10525	.08848	-.31900	.12778	-2.49652	.00000	-.02002
.903	-2.238	-.21677	.10676	.07751	-.21243	.11514	-1.84496	.00000	.01002
.903	-1.140	-.14582	.10744	.06924	-.14365	.11032	-1.30212	.02000	.01002
.903	-.045	-.07835	.10761	.06293	-.07827	.10767	-.72692	.00000	-.02002
.903	1.031	-.01871	.10743	.05778	-.02024	.10708	-.18905	.01000	.00000
.903	2.138	.04902	.10721	.05210	.04499	.10896	.41290	.01000	-.03003
.903	3.215	.10910	.10691	.04779	.10294	.11286	.91210	.00000	.01002
.904	4.307	.16318	.10693	.04642	.15469	.11889	1.30115	.00000	.01002
.903	5.387	.21479	.10638	.04642	.20385	.12608	1.61688	.02000	.01002
.903	6.466	.26671	.10528	.04542	.25316	.13465	1.89013	.01000	.02003
.904	7.556	.32802	.10466	.04094	.31141	.14689	2.12008	.02000	.00000
.903	8.629	.37641	.10347	.04007	.35663	.15877	2.24616	.02000	.00000
.904	9.703	.43293	.10316	.03568	.40935	.17465	2.34382	.02000	-.01001
.903	10.777	.48452	.10310	.03250	.45670	.19188	2.38006	.01000	-.03003
.903	11.856	.54196	.10388	.02536	.50906	.21300	2.38990	-.02001	.03005
.903	12.951	.60157	.10357	.02107	.56306	.23575	2.38933	.02000	.01002
.903	14.029	.65676	.10409	.01576	.61194	.26019	2.35186	-.01000	.02003
.903	15.125	.72257	.10404	.01076	.67039	.28897	2.31995	.01000	.02003
.904	17.309	.84512	.10363	.00585	.77602	.35039	2.21472	-.04002	.01002
.903	19.468	.94818	.10326	.00590	.85955	.41336	2.07942	.03000	-.01001
GRADIENT		.05936	.00014	-.00522	.05739	-.00094	.47709	-.00013	.00127

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 249/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.924	-4.002	-.32721	.11329	.08803	-.31851	.13585	-2.34453	-.03001	.00000
.924	-2.240	-.21022	.11447	.07276	-.20559	.12259	-1.67698	-.01000	.02003
.924	-1.140	-.13913	.11455	.06445	-.13683	.11730	-1.16649	-.03001	.00000
.924	-.048	-.07394	.11451	.05742	-.07384	.11457	-.64452	.01000	.00000
.924	1.067	-.00062	.11435	.05003	-.00275	.11432	-.02404	.00000	-.02002
.924	2.148	.06223	.11431	.04446	.05790	.11656	.49678	.00000	.00000
.923	3.234	.12032	.11345	.04097	.11373	.12006	.94731	-.01000	.01002
.924	4.323	.17775	.11310	.03980	.16871	.12618	1.33710	.00000	.01002
.923	5.385	.22974	.11232	.03978	.21818	.13338	1.63573	-.01000	.01002
.924	6.499	.29240	.11122	.03603	.27793	.14360	1.93550	.00000	.00000
.924	7.580	.34640	.11038	.03334	.32881	.15511	2.11966	.02000	-.02002
.924	8.659	.39621	.10978	.03340	.37516	.16818	2.23071	.02000	-.02002
.923	9.747	.46010	.10799	.02494	.43517	.18433	2.36091	.05000	.00000
.924	10.837	.51469	.10905	.01991	.48501	.20387	2.37898	.01000	-.04005
.923	11.904	.56928	.10935	.01517	.53448	.22443	2.38151	-.04002	.00000
.924	12.979	.62997	.11055	.00704	.58905	.24921	2.36370	.00000	.02003
.924	14.081	.69323	.11078	.00187	.64545	.27610	2.33771	-.04002	-.06007
.924	15.163	.75122	.11103	-.00406	.69602	.30366	2.29210	-.03001	.05008
.923	17.348	.87515	.10938	-.01071	.80272	.36535	2.19711	.00000	.02003
.923	19.513	.98001	.10900	-.01184	.88732	.43007	2.06318	.04000	.01002
GRADIENT		.06082	-.00006	-.00590	.05873	-.00099	.45972	.00310	.00002

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 248/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.953	-4.013	-.35295	.13023	.11459	-.34298	.15461	-2.21833	-.04002	.02003
.954	-2.251	-.23145	.13012	.09250	-.22616	.13911	-1.62571	-.04002	.00000
.954	-1.150	-.15924	.12992	.08250	-.15660	.13309	-1.17663	.03000	.00000
.954	-.049	-.08724	.12943	.07289	-.08713	.12950	-.67276	.04000	.01002
.954	1.049	-.01733	.12917	.06293	-.01969	.12884	-.15285	.04000	.00000
.953	2.145	.05185	.12878	.05317	.04699	.13063	.35973	.02000	.00000
.953	3.244	.12220	.12782	.04381	.11477	.13453	.85314	.02000	.00000
.953	4.342	.19130	.12645	.03484	.18118	.14057	1.28899	.02000	.00000
.953	5.431	.25322	.12514	.02763	.24023	.14854	1.61728	.02000	-.01001
.954	6.529	.31942	.12320	.02191	.30334	.15872	1.91120	.05000	.00000
.953	7.615	.37821	.12141	.01643	.35878	.17046	2.10482	.04000	-.03003
.953	8.710	.44152	.12079	.01158	.41814	.18625	2.24500	.02000	-.01001
.953	9.787	.49918	.12090	.00810	.47136	.20399	2.31059	.01000	.04007
.953	10.881	.55604	.12046	.00302	.52330	.22326	2.34397	-.03001	.05008
.953	11.958	.61611	.12095	-.00336	.57768	.24599	2.34947	.00000	-.05006
.954	13.053	.68257	.12179	-.01175	.63743	.27280	2.33560	.03000	.03005
.953	14.139	.74039	.12046	-.01589	.68853	.29766	2.31313	.02000	.00000
.953	15.242	.80026	.12051	-.01763	.74043	.32666	2.26667	.03000	-.02002
.954	17.433	.92658	.12003	-.02623	.84806	.39211	2.16280	-.02001	.00000
.952	19.613	1.03891	.11975	-.02587	.93844	.46152	2.03337	.05000	.00000
GRADIENT		.06486	-.00042	-.00933	.06249	-.00148	.43257	.00736	-.00166

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 242/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.382	-3.874	-.34203	.15383	.12222	-.33085	.17659	-1.87362	.04000	-.02002
.983	-2.354	-.24542	.15193	.10404	-.23897	.16188	-1.47619	.03000	-.05006
.984	-1.048	-.15613	.15171	.09070	-.15333	.15454	-.99216	.03000	-.05006
.984	-.033	-.08904	.15175	.08123	-.06895	.15180	-.58596	.04000	.08013
.984	.944	-.02812	.15160	.07264	-.03061	.15111	-.20258	.04000	.00000
.984	2.109	.04666	.15101	.06142	.04107	.15262	.26911	.04000	-.03003
.983	3.281	.11893	.15012	.05090	.11014	.15668	.70298	.05000	.00000
.983	4.432	.19578	.14893	.03988	.18468	.16369	1.12825	.04000	.00000
.983	5.470	.25905	.14816	.03106	.24375	.17218	1.41565	.04000	.01002
.983	6.545	.32480	.14737	.02282	.30589	.18344	1.66753	.04000	-.04005
.983	7.747	.39466	.14671	.01489	.37128	.19857	1.86975	.03000	.00000
.983	8.742	.45274	.14621	.00778	.42526	.21331	1.99359	.05000	-.06007
.982	9.777	.51026	.14608	.00227	.47804	.23061	2.07292	.02000	-.05006
.982	10.937	.57789	.14576	-.00464	.53974	.25275	2.13548	.00000	-.08009
.982	12.008	.63811	.14656	-.00959	.59366	.27611	2.15012	-.09003	-.06007
.983	13.036	.69890	.14833	-.01690	.64743	.30216	2.14265	.05000	.05008
.983	14.154	.76369	.14706	-.02195	.70454	.32934	2.13923	.05000	-.04005
.983	15.244	.82299	.14550	-.02667	.75578	.35677	2.11837	.01000	.00000
.981	17.401	.94579	.14145	-.03519	.86020	.41782	2.05879	-.08003	-.04005
.985	19.715	1.07970	.14463	-.04439	.96762	.50037	1.93380	.04000	.01002
GRADIENT		.06474	-.00048	-.00972	.06197	-.00137	.37182	.00127	.00380

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 240/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.125	-3.836	-.33255	.17176	.14259	-.32031	.19363	-1.65429	.02000	-.04004
1.126	-2.150	-.22157	.17241	.11907	-.21495	.18060	-1.19021	.01000	.00000
1.126	-.880	-.13395	.17346	.09818	-.13126	.17550	-.74796	.02000	.01002
1.126	.092	-.06577	.17406	.08180	-.06605	.17395	-.37971	.03000	-.01001
1.126	1.061	-.00145	.17408	.06722	-.00468	.17402	-.02688	.00000	.00000
1.126	2.228	.07500	.17411	.05037	.06817	.17689	.38538	.01000	.00000
1.126	3.379	.14522	.17358	.03660	.13474	.18184	.74100	.00000	-.02002
1.125	4.412	.20892	.17288	.02502	.19500	.18843	1.03485	-.03001	-.05005
1.125	5.389	.26820	.17169	.01479	.25089	.19612	1.27923	-.04001	-.04004
1.125	6.552	.33559	.16967	.00530	.31404	.20685	1.51817	-.01000	-.04004
1.125	7.778	.40336	.16673	-.00317	.37708	.21978	1.71574	.00000	-.05005
1.125	8.790	.45220	.16375	-.00579	.42187	.23093	1.82683	-.01000	.00000
1.124	9.889	.51464	.16146	-.01217	.47926	.24744	1.93686	.00000	.05008
1.124	11.061	.58321	.15933	-.01737	.54180	.26826	2.01957	.00000	-.03003
1.124	12.088	.64032	.15964	-.01944	.59270	.29019	2.04245	-.04001	.05008
1.124	13.134	.69880	.15915	-.02333	.64435	.31378	2.05354	-.04001	-.06006
1.125	14.192	.76625	.15769	-.03062	.70421	.34073	2.06674	.00000	-.01001
1.124	15.441	.84492	.15697	-.04168	.77264	.37625	2.05351	.03000	-.06006
1.122	18.023	.98761	.15642	-.05193	.89076	.45431	1.96069	.00000	-.04004
1.121	19.794	1.07091	.15333	-.05437	.95571	.50693	1.88532	-.04001	.00000
	GRADIENT	.06604	.00017	-.01458	.06290	-.00041	.33623	-.00466	-.00156

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 235/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.844	-.30978	.17781	.13808	-.29716	.19818	-1.49945	-.04001	-.03003
1.203	-2.190	-.19850	.17801	.11025	-.19156	.18546	-1.03286	-.04001	.02003
1.204	-1.106	-.13020	.17843	.09294	-.12673	.18091	-.70052	-.02001	-.03003
1.204	-.006	-.05864	.17890	.07568	-.05862	.17890	-.32765	-.02001	.02003
1.204	1.087	.00727	.17852	.06049	.00389	.17863	.02175	-.01000	-.03003
1.204	2.171	.07223	.17778	.04644	.06545	.18038	.36281	-.03001	-.05005
1.204	3.281	.14088	.17681	.03221	.13053	.18458	.70714	-.04001	-.01001
1.204	4.397	.20592	.17579	.01945	.19184	.19107	1.00403	-.04001	-.04004
1.204	5.472	.26864	.17457	.00819	.25077	.19939	1.25768	-.03001	-.02002
1.204	6.577	.33051	.17321	-.00179	.30850	.20993	1.46351	-.03001	-.05005
1.203	7.654	.39120	.17111	-.00968	.36493	.22169	1.64610	-.05001	-.05005
1.203	8.791	.45091	.16838	-.01603	.41988	.23532	1.78427	-.04001	-.06006
1.203	9.868	.50797	.16567	-.02038	.47206	.25028	1.88517	-.04001	-.07007
1.204	10.965	.57290	.16391	-.02701	.53127	.26989	1.96845	-.04001	.06009
1.203	12.049	.63671	.16271	-.03365	.58871	.29203	2.01591	-.08002	.08012
1.202	13.177	.70259	.16236	-.04021	.64709	.31824	2.03332	-.08002	.08012
1.204	14.268	.76320	.16247	-.04625	.69961	.34556	2.02456	-.07002	.05008
1.204	15.358	.82399	.16183	-.05207	.75171	.37423	2.00841	-.02001	-.07007
1.203	17.584	.95105	.16026	-.06573	.85820	.44008	1.95009	-.02001	-.05005
1.202	19.770	1.05797	.15702	-.06980	.94250	.50563	1.86400	-.03001	.01002
	GRADIENT	.06238	-.00023	-.01437	.05917	-.00069	.30990	-.00011	-.00317

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 251/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.903	-3.952	-.26305	.10795	.04268	-.25498	.12582	-2.02661	5.01000	5.00814
.903	-2.207	.15519	.10854	.03405	-.15089	.11443	-1.31860	5.03000	5.03819
.903	-1.112	-.08852	.10902	.02794	-.08638	.11072	-.78019	5.03000	5.04820
.903	-.020	-.02484	.10895	.02316	-.02480	.10896	-.22760	5.03000	5.03819
.903	1.064	.04022	.10862	.01836	.03820	.10935	.34930	5.04000	5.03819
.902	2.167	.10379	.10813	.01431	.09963	.11197	.88974	5.03000	5.01815
.903	3.246	.16413	.10766	.01083	.15777	.11678	1.35096	5.04000	5.02817
.903	4.341	.22152	.10725	.00805	.21276	.12371	1.71981	5.03000	5.00814
.903	5.425	.27853	.10682	.00482	.26718	.13268	2.01381	5.02000	4.99812
.903	6.509	.33661	.10611	.00025	.32242	.14359	2.24543	5.03000	4.97809
.903	7.589	.38953	.10544	-.00121	.37219	.15595	2.38556	4.96000	4.96807
.903	8.661	.44589	.10570	-.00487	.42488	.17164	2.47536	4.98000	4.96807
.902	9.755	.50554	.10464	-.01006	.48050	.18879	2.54517	5.00000	5.02817
.903	10.840	.56619	.10634	-.01727	.53608	.21092	2.54160	5.01000	5.08927
.902	11.914	.62254	.10859	-.02601	.58671	.23477	2.49910	4.97000	5.06824
.903	12.992	.68734	.10959	-.03484	.64511	.26131	2.46877	5.05000	4.98811
.903	14.086	.75406	.11026	-.04153	.70456	.29046	2.42567	5.03000	4.99812
.903	15.186	.81912	.11151	-.04926	.76131	.32210	2.36299	4.98000	5.02817
.903	17.369	.94003	.11159	-.05287	.86385	.38712	2.23150	4.99000	5.00814
.903	19.531	1.04022	.11108	-.04810	.94324	.45245	2.02474	4.96000	4.98811
GRADIENT		.05858	-.00012	-.00422	.05658	-.00012	.46878	.00221	-.00115

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 230

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 241/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.982	-3.823	-.27945	.15721	.07648	-.26835	.17549	-1.52911	4.98000	5.02754
.983	-2.219	-.17262	.15560	.05632	-.16647	.16217	-1.02651	5.00000	5.01753
.984	-.985	-.09221	.15532	.04460	-.08952	.15688	-.57065	4.99000	5.02754
.984	.018	-.02686	.15520	.03592	-.02691	.15519	-.17342	4.99000	5.02754
.984	1.138	.04377	.15497	.02537	.04068	.15580	.26111	5.00000	5.03756
.983	2.513	.13316	.15424	.01194	.12626	.15993	.78948	4.99000	5.02754
.983	3.381	.18776	.15391	.00390	.17836	.16471	1.08287	4.98000	5.02754
.983	4.313	.24653	.15350	-.00533	.23429	.17160	1.36533	4.98000	5.02754
.983	5.470	.32313	.15305	-.01672	.30707	.18316	1.67655	5.00000	5.01753
.983	6.599	.39187	.15269	-.02604	.37173	.19672	1.88968	4.96000	4.98748
.983	7.673	.45679	.15212	-.03415	.43239	.21175	2.04198	4.99000	4.99750
.983	8.813	.51826	.15203	-.04062	.48885	.22964	2.12873	4.99000	5.02754
.983	10.936	.65221	.15364	-.05746	.61121	.27459	2.22595	5.01000	5.02754
.983	12.081	.71528	.15316	-.06287	.66739	.29947	2.22855	4.97000	5.02754
.982	13.181	.77549	.15336	-.06831	.72009	.32615	2.20783	5.00000	5.02754
.982	14.297	.84024	.15263	-.07457	.77653	.35540	2.18495	5.01000	4.98748
.982	15.440	.91472	.15184	-.08016	.84128	.38989	2.15775	4.98000	5.00751
.982	17.576	1.03491	.15106	-.08781	.94098	.45652	2.06120	4.95000	4.95744
.981	19.668	1.15199	.14943	-.09354	1.07449	.52842	1.95769	5.01000	4.98748
GRADIENT		.06456	-.00040	-.00980	.06173	-.00021	.36567	-.00079	.00060

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TABULATED SOURCE DATA - LA62

PAGE 231

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 DREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 234/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.203	-3.790	-.25344	.18037	.09881	-.24096	.19672	-1.22488	5.01000	5.01753
1.204	-2.175	-.15030	.17999	.07431	-.14336	.18556	-.77255	4.96000	5.00751
1.204	-1.081	-.08327	.17971	.05843	-.07987	.18125	-.44064	4.97000	4.97747
1.205	.005	-.01593	.17986	.04279	-.01594	.17986	-.08863	4.97000	4.94742
1.205	1.114	.05302	.17983	.02790	.04952	.18083	.27384	4.97000	4.94742
1.205	2.217	.11714	.17992	.01405	.11009	.18432	.59728	4.96000	4.99750
1.204	3.304	.18373	.17989	.00058	.17305	.19018	.90996	4.98000	4.96745
1.204	4.405	.24580	.18000	-.01180	.23125	.19835	1.16584	4.98000	5.01753
1.204	5.480	.30989	.17941	-.02425	.29134	.20818	1.39945	4.97000	4.99750
1.204	6.579	.37582	.17840	-.03663	.35290	.22029	1.60203	4.99000	4.98748
1.204	7.665	.43890	.17681	-.04730	.41139	.23377	1.75982	4.97000	4.98748
1.203	8.809	.50508	.17428	-.05661	.47243	.24958	1.89292	4.99000	5.01753
1.203	9.896	.56400	.17211	-.06263	.52607	.26639	1.97485	4.97000	4.97747
1.203	10.989	.62348	.17018	-.06553	.57961	.28591	2.02722	4.99000	4.99750
1.203	12.106	.68853	.16917	-.07211	.63774	.30981	2.05849	4.97000	4.96745
1.203	13.181	.75123	.16800	-.07692	.69313	.33488	2.06979	4.99000	4.97747
1.202	14.332	.81637	.16801	-.08109	.74937	.36486	2.05327	4.98000	4.97747
1.203	15.414	.87902	.15819	-.08868	.80270	.39577	2.02817	4.97000	4.94742
1.203	17.624	1.00254	.16661	-.10268	.90505	.46232	1.95761	5.00000	5.01753
1.202	19.792	1.10690	.16421	-.10802	.98591	.52932	1.86262	4.98000	4.97747
GRADIENT		.06097	-.00003	-.01351	.05771	.00036	.29886	-.00173	-.00170

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 267/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.957	-.50007	.08038	.16079	-.49333	.11470	-4.30112	-14.99937	-15.00063
.600	-2.300	-.40679	.08445	.15234	-.40308	.10071	-4.00248	-14.97936	-14.99061
.601	-1.240	-.35112	.08662	.14929	-.34916	.09419	-3.70685	-14.98937	-15.00063
.600	-.190	-.30560	.08738	.14725	-.30531	.08839	-3.45426	-14.98937	-15.00063
.600	.873	-.24941	.08745	.14569	-.25071	.08364	-2.99736	-14.98937	-15.00063
.600	1.923	-.20453	.08664	.14465	-.20732	.07973	-2.60041	-14.97936	-15.00063
.600	2.984	-.15037	.08462	.14324	-.15457	.07668	-2.01581	-14.97936	-15.02065
.601	4.044	-.09628	.08143	.14158	-.10178	.07443	-1.36739	-14.99937	-15.01064
.600	5.103	-.04470	.07766	.14047	-.05143	.07337	-.70094	-14.98937	-15.02065
.601	6.165	.00969	.07263	.13948	.00183	.07325	.02505	-14.98937	-15.00063
.600	7.223	.06070	.06705	.13902	.05178	.07415	.69833	-14.99937	-15.00063
.600	8.276	.11626	.06066	.13790	.10632	.07676	1.38511	-14.98937	-15.00063
.600	9.351	.17301	.05352	.13694	.16202	.08092	2.00222	-14.99937	-15.01064
.600	10.417	.23016	.04620	.13724	.21802	.08706	2.50420	-14.99937	-15.01064
.601	11.487	.28962	.03847	.13773	.27615	.09537	2.89551	-14.99937	-15.01064
.600	12.547	.34123	.03215	.13850	.32610	.10551	3.09070	-14.97936	-15.01064
.601	13.609	.40201	.03801	.13119	.38178	.13153	2.90252	-15.00938	-15.05069
.600	14.671	.45799	.03907	.12973	.43316	.15379	2.81653	-14.99937	-14.97058
.600	16.810	.58148	.03504	.12724	.54650	.20170	2.70939	-14.99937	-15.01064
.600	18.938	.69443	.03593	.12592	.64517	.25936	2.48753	-15.02939	-15.04068
.600	GRADIENT	.04962	.00014	-.00215	.04809	-.00490	.36474	.00044	-.00228

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 262/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-4.134	-.58187	.12414	.22894	-.57141	.16577	-3.44701	-14.98937	-15.02065
.900	-2.417	-.46382	.12582	.21134	-.45810	.14527	-3.15348	-14.98937	-15.03067
.899	-1.321	-.39268	.12589	.20178	-.38967	.13491	-2.88835	-14.99937	-15.02065
.900	-.225	-.32324	.12468	.19369	-.32275	.12595	-2.56259	-14.99937	-14.96057
.899	.864	-.25826	.12277	.18555	-.26008	.11886	-2.18807	-14.96936	-14.97058
.899	1.963	-.18559	.11986	.17593	-.18959	.11343	-1.67141	-14.96936	-14.97058
.900	3.061	-.11161	.11697	.16425	-.11769	.11084	-1.06181	-14.99937	-14.99061
.899	4.162	-.03416	.11378	.15113	-.04232	.11100	-.38131	-14.99937	-15.00063
.899	5.253	.03452	.11120	.14004	.02420	.11390	.21244	-14.98937	-15.02065
.899	6.357	.11516	.10802	.12603	.10249	.12011	.85335	-15.00938	-15.00063
.900	7.462	.18496	.10661	.11659	.16954	.12973	1.30695	-14.98937	-14.99061
.899	8.546	.25267	.10440	.10925	.23435	.14079	1.66456	-15.00938	-14.99061
.899	9.633	.31128	.10471	.10678	.28937	.15533	1.86296	-14.94934	-14.99061
.899	10.717	.36896	.10556	.10359	.34289	.17233	1.98972	-14.97936	-14.98060
.899	11.800	.44079	.10498	.09047	.41001	.19290	2.12543	-15.00938	-14.98060
.899	12.891	.49854	.10458	.08536	.46264	.21317	2.17025	-14.99937	-14.99061
.900	13.965	.54350	.10696	.08746	.50163	.23497	2.13487	-15.00938	-14.98060
.899	15.040	.59290	.10659	.08700	.54492	.25690	2.12198	-15.00938	-14.99061
.899	17.216	.70738	.10621	.08621	.64425	.31082	2.07277	-15.00938	-14.99061
.899	19.372	.80503	.10498	.08935	.72463	.36607	1.97947	-14.99937	-15.02065
GRADIENT		.06519	-.00138	-.00899	.06297	-.00660	.36894	-.00000	.00502

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 257/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.075	-.48110	.19346	.22664	-.46614	.22716	-2.05199	-14.97936	-14.99061
1.200	-2.338	-.35707	.19169	.19285	-.34895	.20610	-1.69310	-15.01939	-15.02065
1.201	-1.235	-.27972	.19040	.17135	-.27556	.19638	-1.40315	-14.98937	-14.99061
1.201	-.136	-.20624	.18930	.15143	-.20579	.18979	-1.08435	-15.02939	-15.02065
1.201	.970	-.12899	.18765	.13126	-.13214	.18544	-.71259	-14.95935	-15.01064
1.201	2.069	-.05818	.18623	.11429	-.06487	.18401	-.35251	-14.97936	-14.99061
1.201	3.169	.01095	.18484	.09912	.00072	.18516	.00388	-15.00938	-15.02065
1.201	4.272	.08107	.18303	.08501	.06721	.18856	.35646	-14.96936	-14.96057
1.201	5.367	.14607	.18158	.07197	.12844	.19445	.66056	-14.98937	-14.99061
1.200	6.466	.21058	.17953	.06113	.18902	.20210	.93526	-14.99937	-15.02065
1.200	7.568	.27619	.17719	.05116	.25045	.21202	1.18124	-14.98937	-15.02065
1.201	8.668	.33982	.17406	.04191	.30971	.22328	1.38705	-15.02939	-15.00063
1.201	9.778	.40790	.17024	.03361	.37306	.23703	1.57388	-15.00938	-15.03067
1.200	10.898	.47481	.16738	.02740	.43464	.25406	1.71082	-14.98937	-15.00063
1.201	11.995	.53886	.16449	.02112	.49291	.27288	1.80632	-15.00938	-14.96057
1.200	13.106	.60619	.16276	.01515	.55350	.29597	1.87009	-15.03940	-15.03067
1.200	14.210	.66956	.16146	.00838	.60944	.32087	1.89932	-14.98937	-14.99061
1.201	15.308	.72781	.15980	.00365	.65981	.34628	1.90542	-14.98937	-15.01064
1.200	17.505	.84480	.15500	-.00464	.75906	.40193	1.88854	-14.96936	-15.01064
1.201	19.703	.95819	.14978	-.00979	.85159	.46406	1.83510	-14.97936	-15.02065
GRADIENT		.06728	-.00125	-.01708	.06387	-.00444	.29621	.00202	.00205

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 266/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.908	-.42515	.07020	.12685	-.41938	.09901	-4.23562	-9.99625	-10.01377
.601	-2.259	-.34160	.07415	.12060	-.33841	.08755	-3.86526	-10.00625	-9.97371
.601	-1.199	-.28662	.07595	.11789	-.28496	.08193	-3.47831	-9.99625	-9.99374
.600	-.142	-.23528	.07670	.11603	-.23509	.07728	-3.04187	-9.98624	-10.00376
.600	.917	-.18203	.07654	.11425	-.18323	.07362	-2.48879	-9.99625	-9.99374
.600	1.973	-.13285	.07549	.11348	-.13537	.07087	-1.91021	-10.00625	-10.00376
.600	3.027	-.08379	.07342	.11192	-.08755	.06890	-1.27030	-9.98624	-10.00376
.600	4.093	-.02576	.06997	.11064	-.03069	.06795	-.45163	-9.99625	-10.00376
.599	5.149	.02434	.06580	.10958	.01833	.06772	.27067	-9.99625	-10.00376
.601	6.211	.07799	.06049	.10869	.07099	.06857	1.03520	-9.99625	-9.99374
.600	7.269	.12917	.05464	.10828	.12122	.07055	1.71833	-9.98624	-9.99374
.600	8.332	.18462	.04823	.10776	.17568	.07448	2.35897	-9.99625	-10.00376
.601	9.397	.24030	.04136	.10686	.23032	.08004	2.87750	-9.99625	-10.01377
.600	10.474	.29769	.03420	.10719	.28651	.08774	3.26530	-9.99625	-10.01377
.600	11.526	.35143	.02728	.10761	.33889	.09695	3.49547	-9.99625	-10.00376
.600	12.592	.40885	.02168	.10760	.39429	.11029	3.57510	-9.98624	-9.99374
.600	13.652	.47024	.03056	.09827	.44975	.14069	3.19677	-9.98624	-10.00376
.601	14.724	.53525	.03062	.09589	.50989	.16565	3.07810	-9.97624	-9.99374
.600	16.860	.65857	.02684	.09122	.62248	.21669	2.87261	-9.97624	-9.99374
.600	18.986	.77447	.02800	.08658	.72322	.27844	2.59743	-9.98624	-10.02378
GRADIENT		.04948	-.00003	-.00188	.04814	-.00379	.47636	.00061	-.00095

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TABULATED SOURCE DATA - LA62

PAGE 236

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 261/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.899	-4.079	-.50914	.10636	.18775	-.50029	.14230	-3.51561	-10.02627	-10.01377
.899	-2.361	-.39259	.10846	.17230	-.38779	.12455	-3.11365	-9.96623	-10.01377
.900	-1.266	-.32295	.10909	.16383	-.32047	.11620	-2.75781	-9.97624	-10.03380
.899	-.168	-.25150	.10800	.15503	-.25118	.10873	-2.31005	-9.97624	-9.99374
.899	.923	-.18534	.10663	.14677	-.18704	.10370	-1.80372	-9.97624	-10.00376
.899	2.017	-.11516	.10484	.13691	-.11878	.10072	-1.17936	-9.99625	-10.02378
.899	3.116	-.04071	.10339	.12580	-.04627	.10103	-.45804	-9.99625	-9.97371
.899	4.215	.03310	.10120	.11473	.02557	.10336	.24740	-10.02627	-10.02378
.899	5.313	.10655	.09905	.10376	.09692	.10849	.89331	-9.98624	-9.97371
.900	6.404	.17389	.09803	.09476	.16187	.11682	1.38569	-9.98624	-10.00376
.900	7.480	.23733	.09641	.08624	.22276	.12648	1.76118	-9.97624	-9.98373
.899	8.564	.29322	.09574	.08491	.27569	.13934	1.99291	-9.97624	-9.99374
.899	9.661	.35012	.09591	.08360	.32906	.15330	2.14647	-9.99625	-9.99374
.899	10.743	.40601	.09624	.08090	.38095	.17023	2.23782	-9.97624	-9.99374
.899	11.822	.46375	.09708	.07369	.43402	.19003	2.28399	-9.99625	-10.00376
.899	12.896	.51450	.09783	.07046	.47968	.21019	2.28215	-9.97624	-9.98373
.899	13.963	.56618	.09772	.06851	.52587	.23145	2.27209	-9.96623	-10.00376
.899	15.053	.61918	.09725	.06723	.57267	.25472	2.24824	-9.98624	-9.99374
.899	17.236	.73872	.09690	.06571	.67683	.31143	2.17332	-10.01626	-9.99374
.899	19.389	.83467	.09697	.06881	.75514	.36857	2.04885	-9.98624	-10.01377
GRADIENT		.06482	-.00075	-.00863	.06287	-.00469	.46117	-.00170	.00153

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 253/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.981	-4.089	-.52560	.15458	.22900	-.51324	.19166	-2.67782	-10.01626	-10.02378
.981	-2.355	-.40406	.15204	.20580	-.39747	.16851	-2.35866	-10.01626	-10.04381
.981	-1.262	-.32948	.15090	.19364	-.32607	.15812	-2.06217	-9.98624	-10.05382
.981	-.149	-.25502	.14953	.18144	-.25463	.15019	-1.69539	-9.99625	-10.01377
.980	.956	-.17848	.14834	.16827	-.18093	.14534	-1.24491	-10.03627	-10.03380
.980	2.058	-.10189	.14699	.15347	-.10710	.14323	-.74773	-10.02627	-10.03380
.980	3.163	-.02372	.14593	.13813	-.03173	.14440	-.21974	-10.01626	-9.99374
.980	4.276	.05252	.14495	.12433	.04156	.14847	.27996	-10.00625	-9.99374
.980	5.366	.12598	.14390	.11103	.11197	.15505	.72212	-10.02627	-10.03380
.980	6.466	.19062	.14318	.09896	.18123	.16463	1.10084	-9.99625	-9.98373
.980	7.567	.26965	.14220	.08913	.24857	.17647	1.40859	-9.99625	-9.99374
.980	8.667	.34144	.14095	.07769	.31630	.19079	1.65787	-9.98624	-10.01377
.980	9.763	.41197	.13994	.06554	.38227	.20777	1.83987	-9.99625	-10.01377
.980	10.862	.48089	.13930	.05624	.44603	.22742	1.96124	-10.00625	-10.03380
.980	11.941	.54367	.13846	.04750	.50325	.24795	2.02958	-10.06629	-10.04381
.980	13.050	.61140	.13895	.03968	.56423	.27342	2.06364	-10.01626	-9.99374
.980	14.147	.67606	.13725	.03441	.62202	.29831	2.08510	-9.97624	-9.97371
.980	15.240	.73525	.13738	.03191	.67328	.32582	2.06642	-9.99625	-10.03380
.981	17.427	.85945	.13637	.02115	.77916	.38751	2.01067	-10.00625	-10.00376
.981	19.631	.98486	.13132	.01383	.88350	.45456	1.94365	-10.03627	-10.06384
.980	GRADIENT	.06901	-.00114	-.01239	.06627	-.00501	.36504	-.00084	.00490

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 256/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.200	-4.010	-.41556	.17831	.18789	-.40207	.20693	-1.94303	-9.96623	-9.98373
1.200	-2.287	-.29600	.17678	.15685	-.28871	.18845	-1.53199	-9.95622	-10.01377
1.201	-1.176	-.22135	.17623	.13685	-.21768	.18074	-1.20440	-9.98624	-9.96370
1.201	-.087	-.14977	.17596	.11872	-.14950	.17619	-.84852	-10.01626	-10.02378
1.201	1.002	-.07823	.17509	.10070	-.08128	.17369	-.46793	-9.95622	-10.00376
1.201	2.112	-.00761	.17409	.08447	-.01402	.17369	-.08070	-9.98624	-9.95369
1.201	3.199	.05996	.17267	.06978	.05023	.17575	.28580	-10.02627	-10.00376
1.201	4.308	.12692	.17137	.05624	.11369	.18041	.63014	-9.97624	-10.02378
1.201	5.405	.19178	.16986	.04439	.17493	.18717	.93461	-9.95625	-10.00376
1.201	6.503	.25646	.16750	.03323	.23584	.19547	1.20654	-9.98624	-9.98373
1.201	7.605	.32185	.16489	.02342	.29719	.20604	1.44242	-9.98624	-10.00376
1.200	8.705	.38294	.16214	.01664	.35399	.21823	1.62710	-9.99625	-9.99374
1.200	9.798	.44553	.15930	.01055	.41192	.23280	1.76946	-10.00625	-9.98373
1.200	10.915	.50866	.15694	.00601	.46975	.25041	1.87587	-9.98624	-9.99374
1.200	12.008	.57077	.15457	.00007	.52612	.26993	1.94912	-9.98624	-9.98373
1.200	13.126	.63645	.15373	-.00585	.58491	.29425	1.93783	-9.98624	-10.00376
1.201	14.231	.70107	.15320	-.01332	.64190	.32085	2.00060	-10.00625	-10.00376
1.201	15.335	.76256	.15069	-.01794	.69556	.34698	2.00459	-10.01626	-10.05382
1.201	17.532	.88214	.14705	-.02886	.79687	.40595	1.96296	-9.93621	-9.98373
1.201	19.736	.99121	.14238	-.03210	.88491	.46874	1.88785	-9.97624	-10.00376
1.201	GRADIENT	.06518	-.00079	-.01591	.06201	-.00296	.31817	-.03374	-.00191

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 265/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.796	-.24392	.06413	.03736	-.23914	.08013	-2.98427	.01000	.04007
.601	-2.148	-.16442	.06824	.03536	-.16174	.07435	-2.17532	.01000	.02003
.600	-1.103	-.11611	.06952	.03412	-.11475	.07174	-1.59941	.00000	.01002
.601	-.035	-.06450	.06984	.03348	-.06446	.06988	-.92243	.00000	.01002
.600	1.011	-.01483	.06925	.03278	-.01605	.06898	-.23267	.01000	-.01001
.600	2.079	.03649	.06758	.03175	.03401	.06886	.49391	.01000	.00000
.600	3.138	.08909	.06512	.03076	.08540	.06990	1.22176	.01000	.00000
.600	4.196	.13982	.06149	.02961	.13494	.07156	1.88582	.00000	.00000
.600	5.254	.19152	.05686	.02879	.18551	.07416	2.50145	.00000	.01002
.600	6.320	.24931	.05109	.02726	.24217	.07822	3.09605	.00000	.03005
.601	7.382	.30361	.04459	.02589	.29536	.08323	3.54875	-.02001	.01002
.600	8.429	.35524	.03842	.02412	.34577	.09008	3.83847	-.01001	.00000
.600	9.509	.41689	.03071	.02283	.40609	.09915	4.09560	-.04003	-.01001
.600	10.571	.47032	.02416	.02295	.45790	.11003	4.16172	-.03002	-.05007
.601	11.644	.53119	.01685	.02413	.51686	.12371	4.17810	.00000	-.06008
.600	12.711	.59367	.01383	.02095	.57608	.14412	3.99727	.00000	.00000
.600	13.760	.64200	.02343	.01636	.61800	.17547	3.52201	.01000	.02003
.601	14.834	.70843	.02232	.01285	.67910	.20295	3.34612	.00000	.00000
.600	16.960	.83969	.02502	.00076	.79587	.26986	2.96012	.05000	.01002
.600	19.103	.96109	.02765	-.00378	.89912	.34067	2.63930	-.03002	.04007
.600	GRADIENT	.04798	-.00038	-.00092	.04677	-.00103	.62230	-.00035	-.00476

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 264/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.700	-3.838	-.25611	.06717	.04200	-.25104	.08417	-2.98257	-.04003	.04007
.700	-2.176	-.17316	.07020	.03845	-.17037	.07672	-2.22065	-.04003	.02003
.700	-1.108	-.11952	.07147	.03705	-.11812	.07377	-1.60119	-.01001	.03005
.700	-.034	-.06922	.07171	.03574	-.06918	.07176	-.96413	-.03002	.03005
.700	1.022	-.01757	.07093	.03493	-.01883	.07060	-.26676	-.03002	.02003
.700	2.089	.03561	.06912	.03387	.03306	.07038	.46979	-.01001	.02003
.700	3.152	.08511	.06674	.03256	.08131	.07132	1.14008	.00000	.01002
.700	4.228	.14432	.06268	.03125	.13931	.07315	1.90448	-.01001	.01002
.700	5.309	.20036	.05782	.03008	.19415	.07612	2.55076	-.01001	.01002
.700	6.380	.25589	.05245	.02828	.24848	.08056	3.08457	.00000	.01002
.700	7.441	.31245	.04659	.02616	.30378	.08667	3.50515	-.02001	.00000
.700	8.520	.37466	.03996	.02406	.36461	.09503	3.83694	.00000	.00000
.700	9.591	.43914	.03536	.02137	.42711	.10803	3.95351	.00000	-.02003
.700	10.666	.49052	.03570	.02057	.47544	.12587	3.77705	.00000	-.01001
.700	11.715	.52926	.04061	.02001	.50999	.14723	3.46395	-.02001	-.07010
.700	12.788	.58701	.04086	.01824	.56340	.16977	3.31855	-.07004	-.09012
.701	13.877	.65129	.04205	.01400	.62220	.19702	3.15797	-.02001	-.02003
.699	14.928	.70995	.04110	.01153	.67540	.22259	3.03421	-.02001	-.04006
.700	17.117	.86123	.04198	-.00353	.81073	.29360	2.76133	-.03002	.00000
.701	19.267	.97641	.04265	-.00371	.90765	.36244	2.50424	-.01001	.01002
GRADIENT		.04919	-.00056	-.00124	.04795	-.00129	.61545	.00438	-.00325

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 263/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.800	-3.892	-.27942	.07211	.04934	-.27388	.09091	-3.01253	-.01001	.00000
.800	-2.191	-.18294	.07401	.04492	-.17998	.08095	-2.22339	-.01001	.00000
.800	-1.130	-.13112	.07488	.04212	-.12962	.07746	-1.67349	.01000	.00000
.800	-.050	-.07306	.07501	.03995	-.07299	.07508	-.97227	-.01001	.00000
.800	1.019	-.02326	.07435	.03880	-.02458	.07392	-.33247	-.03002	.00000
.800	2.103	.03685	.07262	.03718	.03416	.07392	.46210	-.01001	.03005
.800	3.171	.09230	.07023	.03542	.08828	.07522	1.17352	.00000	.03005
.801	4.263	.15142	.06721	.03301	.14600	.07328	1.85510	.00000	.02003
.800	5.346	.21254	.06386	.02977	.20567	.08339	2.46636	.00000	.01002
.799	6.438	.27314	.06089	.02613	.26459	.09113	2.90342	.01000	.01002
.800	7.506	.32935	.05933	.02413	.31878	.10185	3.12997	.00000	.01002
.800	8.578	.38005	.05826	.02310	.36710	.11430	3.21189	.00000	-.04006
.800	9.653	.43382	.05751	.02221	.41803	.12944	3.22963	-.01001	-.02003
.800	10.732	.48094	.05759	.02325	.46180	.14614	3.15990	.01000	-.03004
.801	11.787	.53240	.05908	.02356	.50910	.16659	3.05610	.02000	-.02003
.800	12.856	.58446	.06068	.02021	.55631	.18920	2.94035	.00000	-.10014
.800	13.941	.64906	.06134	.01477	.61516	.21591	2.84918	-.02001	.02003
.800	15.037	.71732	.06219	.00700	.67662	.24617	2.74861	-.02001	-.02003
.800	17.229	.86564	.06380	-.00734	.80790	.31733	2.54592	-.06004	.00000
.800	19.362	.95881	.06698	-.00789	.88238	.38108	2.31545	-.04003	.00000
	GRADIENT	.05229	-.00060	-.00189	.05096	-.00144	.61203	.00043	.00394

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 260/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.900	-3.939	-.30282	.08826	.06345	-.29604	.10885	-2.71964	-.04003	.01002
.900	-2.232	-.19803	.08975	.05324	-.19439	.09740	-1.99580	-.02001	.01002
.899	-1.136	-.12944	.09013	.04580	-.12762	.09268	-1.37705	-.03002	.00000
.899	-.044	-.06452	.09023	.03983	-.06445	.09028	-.71390	-.03002	.01002
.900	1.050	.00161	.09007	.03437	-.00004	.09008	-.00041	-.02001	-.03004
.900	2.145	.06766	.08992	.02899	.06425	.09239	.69540	-.03002	-.02003
.900	3.232	.12686	.08958	.02569	.12161	.09659	1.25908	-.02001	-.02003
.900	4.314	.18067	.08888	.02526	.17348	.10222	1.69708	.02000	.02003
.900	5.394	.23174	.08800	.02520	.22244	.10939	2.03344	.00000	.03005
.900	6.474	.28573	.08753	.02304	.27403	.11919	2.29921	.02000	.01002
.899	7.540	.33661	.08685	.02104	.32231	.13027	2.47414	.01000	.00000
.900	8.618	.38853	.08624	.01944	.37122	.14349	2.58708	-.01001	.00000
.900	9.718	.44712	.08539	.01829	.42629	.15963	2.67049	.00000	.00000
.899	10.790	.49691	.08554	.01562	.47211	.17706	2.66638	.01000	.00000
.900	11.866	.55251	.08756	.00820	.52270	.19930	2.62271	.00000	.01002
.900	12.951	.61256	.08775	.00299	.57731	.22280	2.59113	.05000	.01002
.900	14.032	.66914	.08855	-.00208	.62770	.24814	2.52962	.00000	-.01001
.900	15.121	.73165	.08872	-.00692	.68317	.27651	2.47069	.03000	-.03004
.899	17.309	.86053	.08745	-.01475	.79554	.33951	2.34319	.00000	.01002
.900	19.468	.96373	.08862	-.01561	.87909	.40475	2.17197	.03000	.00000
GRADIENT	.05907	.00004	-.00483	.05741	-.00065	.56215	.00446	-.00193	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFL AP = 0.000
 ELEVON = .000 FLKON = 000

RUN NO. 259/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.920	-3.948	-.30630	.09742	.06600	-.29886	.11827	-2.52686	-.04003	.03003
.919	-2.235	-.19550	.09799	.05161	-.19153	.10554	-1.81482	-.02001	.01008
.919	-1.138	-.12580	.09819	.04320	-.12382	.10067	-1.23000	-.04003	.03005
.920	-.028	-.05550	.09836	.03602	-.05545	.09838	-.56365	-.01001	.00000
.920	1.057	.01116	.09773	.02928	.00935	.09792	.09552	.00000	-.02003
.920	2.151	.07689	.09773	.02330	.07317	.10054	.72770	-.04003	-.03004
.920	3.239	.13568	.09652	.02018	.13001	.10403	1.24974	.00000	.00000
.920	4.325	.19020	.09600	.02005	.18242	.11007	1.65731	.02000	-.02003
.920	5.409	.24389	.09525	.01967	.23382	.11782	1.98464	.06000	-.03004
.920	6.491	.29796	.09425	.01748	.28540	.12733	2.24140	-.01001	-.03004
.920	7.567	.35513	.09356	.01522	.33971	.13951	2.43505	.00000	-.01001
.920	8.657	.40684	.09284	.01413	.38823	.15302	2.53707	-.04003	-.06008
.920	9.745	.46804	.09216	.00821	.44568	.17005	2.62088	.03000	.00000
.920	10.819	.51870	.09327	.00503	.49197	.18898	2.60329	.04000	-.04006
.921	11.902	.57570	.09488	-.00050	.54375	.21157	2.57006	-.01001	.00000
.921	12.980	.63326	.09589	-.00846	.59554	.23567	2.52696	.06000	.00000
.921	14.078	.70036	.09583	-.01371	.65602	.26330	2.49152	.02000	-.02003
.920	15.174	.76091	.09631	-.01899	.70907	.29209	2.42756	.00000	-.03004
.921	17.347	.88535	.09474	-.02838	.81684	.35440	2.30483	-.06004	.03005
.921	19.515	.99385	.09482	-.03035	.90508	.42137	2.14796	-.05003	-.03004
GRADIENT		.06044	-.00019	-.00572	.05863	-.00081	.53038	.00550	-.00821

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 258/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.950	-3.969	-.34412	.11551	.09882	-.33530	.13905	-2.41132	-.06004	-.08011
.951	-2.244	-.22658	.11532	.07706	-.22189	.12410	-1.78796	-.03002	-.04006
.951	-1.162	-.15380	.11551	.06679	-.15143	.11861	-1.27674	-.01001	-.01001
.951	-.052	-.08249	.11517	.05725	-.08238	.11524	-.71486	-.03002	.00000
.951	1.048	-.01049	.11470	.04713	-.01258	.11449	-.10989	.00000	.00000
.951	2.142	.05777	.11396	.03698	.05347	.11604	.46075	-.02001	.00000
.950	3.242	.12816	.11273	.02815	.12158	.11980	1.01490	.00000	.00000
.951	4.336	.19527	.11135	.01896	.18629	.12579	1.48095	-.02001	.00000
.951	5.430	.26128	.10979	.01105	.24972	.13402	1.86333	-.02001	-.01001
.950	6.526	.32660	.10750	.00530	.31227	.14392	2.16973	.00000	-.02003
.950	7.615	.38648	.10546	.00063	.36910	.15575	2.36986	.00000	-.03004
.950	8.703	.44572	.10464	-.00390	.42475	.17088	2.48561	.00000	-.05007
.950	9.793	.50402	.10451	-.00699	.47890	.18871	2.53778	-.08005	-.02003
.951	10.875	.56077	.10488	-.01254	.53091	.20880	2.54268	-.02001	-.04006
.950	11.965	.62156	.10482	-.01752	.58633	.23140	2.53387	-.03002	.02003
.950	13.059	.68544	.10575	-.02325	.64382	.25789	2.49647	-.06004	-.06008
.950	14.145	.74418	.10634	-.02828	.69563	.28497	2.44107	-.03002	.09015
.950	15.236	.80445	.10694	-.03181	.74807	.31459	2.37794	-.01001	.00000
.951	17.434	.93700	.10766	-.04263	.86170	.38345	2.24723	.06000	.03005
.950	19.606	1.04561	.10731	-.04266	.94899	.45194	2.09983	.05000	-.05007
GRADIENT		.06484	-.00048	-.00939	.06273	-.00140	.48585	.00467	.00850

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 252/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.980	-3.973	-.34221	.13980	.10802	-.33170	.16317	-2.03281	-.01001	-.05007
.981	-2.246	-.22501	.13805	.08567	-.21943	.14676	-1.49510	.00000	.17028
.980	-1.145	-.15356	.13716	.07518	-.15079	.14020	-1.07551	.00000	-.02003
.981	-.031	-.07979	.13651	.06490	-.07972	.13655	-.58377	.00000	-.03004
.980	1.066	-.01171	.13587	.05504	-.01424	.13563	-.10498	.00000	-.04006
.981	2.157	.06019	.13564	.04466	.05504	.13781	.39941	-.02001	-.05007
.980	3.243	.12850	.13401	.03465	.12071	.14105	.85572	-.01001	.05008
.980	4.351	.19781	.13327	.02469	.18713	.14789	1.26533	-.03002	.00000
.980	5.448	.26605	.13228	.01503	.25229	.15694	1.60753	-.03002	-.01001
.980	6.547	.33490	.13091	.00593	.31779	.16824	1.88893	-.05003	-.02003
.980	7.636	.39531	.12970	.00018	.37457	.18109	2.06845	-.03002	-.04006
.980	8.732	.46136	.12970	-.00781	.43632	.19824	2.20094	-.07004	-.08011
.980	9.812	.52224	.13010	-.01375	.49243	.21720	2.26720	-.05003	-.07010
.980	10.912	.58271	.13057	-.01969	.54746	.23852	2.29527	.00000	-.06008
.980	11.993	.64365	.13224	-.02489	.60213	.26310	2.28861	-.02001	-.04006
.980	13.109	.70794	.13247	-.03058	.65944	.28958	2.27723	-.03002	-.05007
.980	14.198	.77302	.13239	-.03578	.71693	.31795	2.25488	-.03002	-.01001
.980	15.290	.83199	.13356	-.03852	.76732	.34823	2.20346	-.01001	.02003
.981	17.488	.96264	.13389	-.04935	.87792	.41697	2.10546	-.05003	-.07010
.981	19.671	1.08427	.13363	-.05934	.97601	.49082	1.98855	.00000	.02003
GRADIENT		.06474	-.00074	-.00976	.06224	-.00163	.40955	-.00244	-.00288

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 254/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.120	-3.958	-.32651	.14963	.11402	-.31540	.17181	-1.83577	.01000	-.04006
1.121	-2.237	-.21434	.15028	.09265	-.20831	.15853	-1.31395	-.01001	.01002
1.121	-1.136	-.13565	.15138	.07600	-.13262	.15404	-.86096	.00000	.00000
1.121	-.024	-.06199	.15267	.05968	-.06193	.15269	-.40558	-.04003	-.03004
1.120	1.080	.01419	.15390	.04235	.01129	.15414	.07323	.04000	.00000
1.120	2.179	.08405	.15428	.02771	.07812	.15737	.49642	.05000	-.04006
1.119	3.276	.15194	.15431	.01496	.14287	.16274	.87792	.00000	.00000
1.121	4.385	.21905	.15446	.00302	.20660	.17076	1.20991	-.06004	-.02003
1.121	5.474	.28595	.15357	-.00798	.27000	.18014	1.49880	.01000	-.04006
1.121	6.581	.34890	.15183	-.01611	.32920	.19082	1.72516	.03000	-.02003
1.121	7.669	.41117	.14986	-.02321	.38749	.20340	1.90510	.03000	.00000
1.121	8.756	.46181	.14646	-.02504	.43413	.21505	2.01876	.00000	-.01001
1.121	9.859	.52577	.14438	-.03047	.49328	.23227	2.12371	-.04003	-.03004
1.121	10.968	.58721	.14252	-.03593	.54937	.25165	2.18310	-.03002	.03005
1.121	12.059	.64752	.14295	-.03866	.60337	.27508	2.19346	-.02001	.01002
1.121	13.167	.71327	.14327	-.04341	.66188	.30198	2.19180	.00000	-.02003
1.121	14.274	.77955	.14243	-.04923	.72037	.33023	2.18140	.00000	.00000
1.121	15.384	.85011	.14337	-.05739	.78162	.36375	2.14878	.00000	.00000
1.120	17.587	.97115	.14464	-.06824	.88205	.43132	2.04502	-.01001	-.02003
1.122	19.753	1.07986	.14451	-.07514	.96748	.50096	1.93125	.00000	.00000
GRADIENT		.06585	.00066	-.01368	.06307	.00012	.37903	-.00218	.00027

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 255/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
1.201	-3.941	-.29928	.15829	.10940	-.28770	.17849	-1.61187	.01000	-.01001
1.201	-2.217	-.18890	.15811	.08272	-.18264	.16530	-1.10493	.00000	-.02003
1.201	-1.103	-.11516	.15821	.06503	-.11209	.16040	-.69885	.00000	-.01001
1.201	-.019	-.04833	.15837	.04978	-.04828	.15838	-.30482	-.03002	-.03004
1.201	1.079	.02013	.15856	.03438	.01714	.15891	.10785	.01000	.01002
1.201	2.175	.08611	.15827	.02053	.08005	.16142	.49588	.03000	.00000
1.201	3.258	.14982	.15781	.00763	.14061	.16607	.84671	-.02001	-.04006
1.201	4.366	.21554	.15719	-.00480	.20295	.17314	1.17215	.02000	.02003
1.201	5.465	.28027	.15621	-.01555	.26412	.18219	1.44967	.03000	.00000
1.201	6.560	.34173	.15534	-.02518	.32175	.19336	1.66400	.04000	-.02003
1.200	7.648	.40275	.15355	-.03224	.37873	.20579	1.84034	.00000	-.04006
1.200	8.755	.46141	.15121	-.03822	.43302	.21967	1.97119	.01000	.01002
1.201	9.866	.52109	.14887	-.04242	.48788	.23595	2.06773	-.01001	.04007
1.201	10.959	.58256	.14727	-.04753	.54394	.25533	2.13030	-.02001	.07011
1.201	12.066	.64742	.14667	-.05364	.60246	.27877	2.16112	-.02001	.01002
1.201	13.171	.71112	.14735	-.05913	.65883	.30552	2.15645	-.05003	.02003
1.200	14.276	.77458	.14754	-.06506	.71428	.33399	2.13961	-.02001	.00000
1.201	15.377	.83653	.14774	-.07153	.76741	.36427	2.10671	-.01001	.02003
1.200	17.579	.95919	.14892	-.08366	.86942	.43165	2.01418	-.01001	.01002
1.200	19.768	1.06606	.14793	-.08617	.95321	.49976	1.90733	.00000	.04007
	GRADIENT	.06195	-.00009	-.01377	.05907	-.00045	.34420	.00091	.00178

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3054) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 272/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.350	-3.555	-.20966	.05963	.03143	-.20556	.07251	-2.83470	.01000	.02004
.351	-2.039	-.14425	.06359	.03050	-.14189	.06868	-2.06599	.01000	.01002
.351	-1.002	-.10022	.06518	.02905	-.09906	.06692	-1.48027	.01000	.00000
.351	-.004	-.05525	.06527	.02801	-.05524	.06528	-.84627	.02001	.01002
.350	1.006	-.00708	.06500	.02838	-.00822	.06487	-.12669	.01000	.00000
.349	2.034	.03962	.06365	.02717	.03734	.06501	.57435	.01000	.01002
.350	3.062	.08371	.06169	.02615	.08029	.06607	1.21533	.01000	.00000
.351	4.082	.13434	.05855	.02498	.12984	.06797	1.91029	.02001	.01002
.350	5.119	.17859	.05424	.02357	.17303	.06996	2.47345	.01000	.00000
.351	6.111	.23153	.04939	.02271	.22495	.07376	3.04983	.02001	.00000
.350	7.118	.27551	.04411	.02129	.26792	.07791	3.43886	.01000	.00000
.350	8.128	.32607	.03786	.01983	.31744	.08359	3.79775	.01000	.00000
.350	9.161	.38193	.03097	.01931	.37213	.09138	4.07214	.00000	.02004
.350	10.182	.43409	.02411	.01859	.42299	.10047	4.21026	.00000	.00000
.350	11.215	.48950	.01670	.01909	.47691	.11158	4.27406	-.01000	.01002
.350	12.214	.53499	.00990	.02053	.52079	.12286	4.23897	-.03001	.00000
.350	13.258	.59162	.00316	.02104	.57513	.13875	4.14515	-.02001	.01002
.350	14.280	.64812	-.00312	.01877	.62886	.15684	4.00956	-.03001	.00000
.350	16.316	.77066	-.01493	.00968	.74382	.20219	3.67887	-.03001	.00000
.351	18.401	.91687	-.00257	-.00416	.87080	.28699	3.03429	.00000	.00000
GRADIENT		.04504	-.00020	-.00081	.04391	-.00060	.63259	.00067	-.00121

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3054) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 268/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.600	-3.582	-.22817	.06166	.03469	-.22387	.07579	-2.95382	.00000	.00000
.602	-2.077	-.15756	.06509	.03282	-.15509	.07076	-2.19178	.01000	-.04004
.601	-1.056	-.10927	.06675	.03178	-.10802	.06875	-1.57112	.03001	-.02002
.601	-.006	-.06256	.06676	.03141	-.06255	.06677	-.93687	.06002	-.04004
.601	1.013	-.01883	.06592	.03114	-.01999	.06558	-.30484	.04001	-.04004
.601	2.036	.03294	.06453	.03027	.03063	.06566	.46651	.04001	-.04004
.601	3.058	.08174	.06231	.02920	.07829	.06659	1.17585	.04001	-.02002
.601	4.154	.13803	.05868	.02774	.13342	.06852	1.94712	.05001	-.04004
.601	5.166	.18748	.05455	.02596	.18181	.07121	2.55305	.05001	-.04004
.601	6.178	.23724	.04986	.02449	.23049	.07510	3.06905	.04001	-.04004
.602	7.204	.29369	.04377	.02258	.28588	.08026	3.56198	.04001	-.08008
.601	8.271	.35064	.03716	.02097	.34165	.08722	3.91731	.03001	-.07007
.601	9.276	.40574	.03085	.02010	.39546	.09585	4.12574	.02001	-.08008
.601	10.324	.46415	.02385	.01905	.45236	.10665	4.24155	.01000	-.10010
.601	11.341	.52004	.01755	.01907	.50644	.11948	4.23871	.02001	-.09009
.601	12.372	.57223	.02185	.01367	.55426	.14395	3.85032	.02001	-.09009
.601	13.432	.62342	.03000	.00869	.59940	.17399	3.44496	.03001	-.12012
.601	14.473	.69013	.02742	.00441	.66138	.19903	3.32297	.03001	-.14014
.600	16.560	.81679	.02518	-.00542	.77765	.25751	3.01987	.03001	-.08008
.600	18.613	.93339	.02607	-.00875	.87625	.32262	2.71605	.01000	-.10010
GRADIENT		.04693	-.00043	-.00080	.04578	-.00094	.64070	.00577	-.00286

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3055) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = .000 AILRON = .000

RUN NO. 271/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.602	-3.545	-.22870	.06439	.03787	-.22428	.07841	-2.86030	-.02001	-.03003
.601	-2.043	-.15976	.06742	.03604	-.15725	.07307	-2.15203	.00000	-.03003
.602	-1.018	-.11181	.06815	.03357	-.11058	.07013	-1.57689	.00000	-.04004
.602	-.033	-.06427	.06822	.03369	-.06424	.06826	-.94109	.00000	-.04004
.602	.992	-.01994	.06696	.03438	-.02109	.06661	-.31669	-.01000	-.02002
.601	2.059	.03264	.06591	.03304	.03025	.06704	.45126	.00000	-.02002
.601	3.024	.08058	.06422	.03106	.07708	.06838	1.12721	.00000	.00000
.601	4.040	.13174	.06108	.02923	.12710	.07021	1.81035	.00000	-.01001
.601	5.065	.17956	.05723	.02702	.17381	.07287	2.38533	-.01000	-.03003
.601	6.104	.23741	.05207	.02523	.23052	.07702	2.99304	-.02001	-.02002
.601	7.091	.28864	.04685	.02352	.28065	.08212	3.41745	-.01000	-.03003
.600	8.137	.34037	.04078	.02075	.33117	.08854	3.74029	-.01000	-.02002
.600	9.125	.39670	.03421	.01982	.38626	.09669	3.99474	-.01000	.00000
.600	10.165	.45917	.02910	.01696	.44682	.10968	4.07387	-.04002	-.03003
.600	11.200	.51096	.02962	.01351	.49548	.12831	3.86158	-.05002	-.02002
.600	12.176	.56231	.03526	.00960	.54223	.15306	3.54246	-.05002	-.01001
.600	13.204	.62111	.03269	.00668	.59722	.17370	3.43814	-.07003	-.02002
.600	14.243	.67835	.03069	.00543	.64995	.19664	3.30532	-.08003	-.04004
.600	15.249	.73086	.02947	.00305	.69738	.22066	3.16044	-.08003	-.04004
.599	16.283	.790512	.02847	-.00465	.85050	.31098	2.73486	-.10004	-.08008
GRADIENT	.04736	-.00049	-.00098	.04617	-.00108	.62710	.00158	.00407	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3056) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 269/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.601	-3.561	-.07375	.07371	-.04541	-.06903	.07815	-.88337	11.99300	8.03406
.601	-2.047	-.00391	.07687	-.04774	-.00116	.07696	-.01514	12.00300	8.02404
.601	-.983	.04850	.07806	-.04892	.04983	.07721	.64541	12.00300	8.02404
.601	.027	.09617	.07784	-.05053	.09613	.07788	1.23438	11.99300	8.02404
.601	1.079	.14686	.07712	-.05197	.14538	.07987	1.82019	11.98300	8.02404
.601	2.119	.19315	.07528	-.05318	.19023	.08237	2.30953	11.98300	8.03406
.601	3.134	.24737	.07269	-.05434	.24303	.08611	2.82239	11.99300	8.04408
.601	4.186	.29660	.06912	-.05568	.29076	.09059	3.20984	11.97299	8.03406
.602	5.203	.35415	.06466	-.05756	.34683	.09650	3.59393	11.96299	8.03406
.600	6.224	.40476	.05962	-.06009	.39591	.10315	3.83815	11.97299	8.03406
.601	7.259	.45820	.05352	-.06157	.44777	.11099	4.03449	11.97299	8.03406
.601	8.293	.51175	.04746	-.06283	.49955	.12078	4.13605	12.01300	8.01402
.601	9.366	.57875	.04081	-.06587	.56439	.13445	4.19774	11.98300	8.02404
.601	10.362	.63391	.03483	-.06792	.61731	.14827	4.16334	11.99300	8.00401
.600	11.410	.69700	.02928	-.07092	.67743	.16659	4.06658	11.97299	8.00401
.601	12.451	.76280	.02604	-.07590	.73925	.18990	3.89285	11.96299	8.00401
.601	13.493	.81545	.03417	-.07969	.78497	.22349	3.51227	11.95299	7.92387
.601	14.541	.87773	.03526	-.08413	.84077	.25450	3.30354	11.93298	7.91385
.600	16.597	.99278	.04229	-.09505	.93934	.32412	2.89815	11.93298	7.98397
.600	18.678	1.09869	.04393	-.09562	1.02676	.39347	2.60953	11.96299	8.00401
GRADIENT		.04787	-.00064	-.00132	.04651	.00162	.53613	-.00279	.00134

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3057) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 270/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CL	CD	L/D	ELVN-L	ELVN-R
.602	-3.510	-.07428	.07681	-.04169	-.06944	.08122	-.85499	11.99300	8.01402
.602	-2.007	-.00226	.07926	-.04608	.00051	.07930	.00648	11.98300	8.04408
.600	-1.001	.05009	.07978	-.04927	.05147	.07690	.65241	11.98300	8.03406
.602	.004	.10009	.07975	-.05261	.10008	.07976	1.25478	11.98300	8.04408
.602	1.031	.15197	.07847	-.05477	.15054	.08119	1.85408	11.97299	8.04408
.601	2.067	.20486	.07708	-.05759	.20195	.08442	2.39217	11.97299	8.03406
.602	3.082	.25054	.07451	-.05791	.24617	.08787	2.80142	11.97299	8.02404
.602	4.089	.30179	.07119	-.05911	.29594	.09253	3.19843	11.97299	8.04408
.602	5.104	.34924	.06697	-.06126	.34190	.09777	3.49688	11.99300	8.04408
.602	6.121	.40216	.06226	-.06363	.39323	.10478	3.75290	11.98300	8.05409
.600	7.148	.45666	.05677	-.06501	.44604	.11315	3.94204	11.99300	8.03406
.600	8.175	.51247	.05019	-.06678	.50012	.12255	4.08088	12.01300	8.02404
.600	9.143	.56752	.04430	-.06852	.55327	.13392	4.13147	11.99300	8.04408
.601	10.212	.62723	.03838	-.07172	.61049	.14897	4.09803	12.00300	8.03406
.600	11.212	.69445	.03493	-.07720	.67440	.16929	3.98369	12.00300	8.02404
.600	12.241	.75777	.03294	-.08292	.73356	.19286	3.80354	11.99300	8.02404
.600	13.253	.79208	.04240	-.08159	.76126	.22286	3.41596	12.00300	8.03406
.599	14.291	.85271	.04062	-.08376	.81629	.24985	3.26709	11.97299	8.03406
.599	16.293	.95590	.04574	-.08855	.90468	.31208	2.89885	11.95299	8.00401
.599	18.320	1.07042	.04596	-.09240	1.00173	.38008	2.63559	11.97299	8.00401
GRADIENT		.04965	-.00078	-.00236	.04824	.00153	.54309	-.00263	.00140

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3058) (11 SEP 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF * 474.8000 INCHES YMRP = .0000 IN. YO
 BREF * 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE * .0150

PARAMETRIC DATA

ALPHA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 292/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.952	-5.983	-.09276	.11428	.06392	-.09262	.11439	-.80964	5.93975	-.06878
.951	-4.032	-.08065	.11007	.05547	-.08053	.11016	-.73107	3.98648	-.06148
.951	-1.991	-.07599	.10787	.05185	-.07587	.10795	-.70288	1.97321	-.05915
.951	-1.001	-.07470	.10733	.05093	-.07459	.10741	-.69445	1.00163	-.05839
.951	-.520	-.07442	.10734	.05001	-.07431	.10742	-.69179	.45073	-.05936
.951	-.210	-.07624	.10740	.04988	-.07612	.10748	-.70825	.24039	-.06247
.951	.040	-.07247	.10761	.04928	-.07236	.10768	-.67200	-.04005	-.05739
.951	.270	-.07282	.10737	.04888	-.07271	.10744	-.67677	-.23029	-.05851
.951	.570	-.07200	.10755	.04836	-.07189	.10762	-.66803	-.50063	-.05801
.951	1.060	-.07022	.10762	.04735	-.07011	.10769	-.65110	-1.01126	-.05668
.951	2.020	-.07590	.0803	.05092	-.07579	.10811	-.70104	-2.00250	-.06046
.951	4.051	-.04260	.0068	.05471	-.08247	.11068	-.74512	-3.99499	-.06583
.951	5.961	-.03905	.0091	.06092	-.08891	.11391	-.78052	-6.00751	-.06723
GRADIENT		-.00002	.00006	-.00023	-.00001	.00006	.00032	-.98601	-.00032

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3059) (16 SEP 75)

PARAMETRIC DATA

ALPHA	=	3.000	SPOBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

[illegible][illegible]

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3060) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 4.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 274/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.601	-5.972	.15475	.06156	.02306	.14982	.07275	2.05953	6.02054	4.20601
.601	-3.981	.15491	.05982	.02204	.15010	.07102	2.11351	4.06712	4.20533
.600	-2.001	.14596	.05894	.02567	.14125	.06947	2.03334	1.98347	4.19889
.601	-.970	.14294	.05853	.02759	.13827	.06884	2.00859	.97170	4.19775
.600	-.460	.14394	.05827	.02771	.13929	.06865	2.02898	.46081	4.19872
.601	-.050	.14465	.05808	.02743	.14000	.06852	2.04333	-.01001	4.19966
.601	.230	.14795	.05820	.02606	.14329	.06888	2.08027	-.23023	4.20195
.601	.480	.14592	.05825	.02645	.14127	.06878	2.05399	-.50050	4.20001
.601	1.040	.14844	.05828	.02494	.14377	.06900	2.08368	-1.04104	4.20129
.601	2.051	.14253	.05865	.02688	.13785	.06892	2.00011	-2.07207	4.19653
.601	4.071	.14379	.05971	.02588	.13904	.07007	1.98416	-4.07407	4.19563
.601	6.042	.14375	.06162	.02554	.13886	.07198	1.92919	-5.98599	4.19607
GRADIENT	-.00103	-.00003	.00033	-.00103	-.00011	-.01143	-1.00863	-.00081	

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3061) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 4.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 116/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-7.990	.06793	.09280	.09278	.06092	.09755	.62449	-7.99600	4.21812
.901	-5.980	.10382	.08883	.07267	.09696	.09627	1.00712	-6.00450	4.24489
.900	-4.130	.13719	.08591	.05264	.13042	.09588	1.36022	-4.15311	4.26759
.900	-2.050	.16145	.08433	.03592	.15471	.09614	1.60916	-2.02152	4.28102
.900	.030	.18245	.08331	.02139	.17571	.09673	1.81647	-.07005	4.29237
.901	2.040	.20686	.08323	.00767	.20001	.09854	2.02978	1.99274	4.31044
.901	4.000	.22817	.08369	-.00831	.22122	.10064	2.19809	4.00551	4.31994
.901	6.019	.25498	.08570	-.02399	.24776	.10474	2.36550	6.04832	4.33834
.900	7.949	.27766	.08780	-.03714	.27019	.10862	2.48746	8.00100	4.35357
GRADIENT	.01117	-.00027	-.00738	.01115	.00058	.10308	.99895	.00659	

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3062) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 6.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 117/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-8.060	.20489	.09009	.07527	.19356	.11238	1.72233	-7.98599	6.40541
.901	-5.950	.23256	.08699	.05846	.22137	.11246	1.96840	-5.97448	6.42413
.901	-4.040	.25182	.08548	.04592	.24065	.11317	2.12658	-4.06305	6.43587
.900	-2.080	.26993	.08395	.03372	.25880	.11372	2.27575	-1.95146	6.44594
.900	.060	.29038	.08265	.01975	.27924	.11478	2.43277	-.08006	6.45752
.900	1.930	.31513	.08150	.00389	.30413	.11653	2.60985	1.96270	6.47283
.901	3.990	.34106	.08255	-.01359	.32955	.12056	2.73358	3.93541	6.48736
.901	5.989	.37006	.08522	-.03183	.35803	.12659	2.82812	5.98823	6.50547
.900	8.219	.40446	.08942	-.05251	.39167	.13482	2.90522	8.20128	6.52750
GRADIENT		.01115	-.00041	-.00741	.01111	.00088	.07709	.99159	.00647

LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3063) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 291/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-10.045	.24205	.09201	.08171	.22801	.12275	1.85748	-10.05257	7.48219
.900	-6.023	.28336	.08654	.05621	.26962	.12283	2.19509	-6.01752	7.50895
.900	-2.011	.32253	.08360	.03048	.30879	.12516	2.46712	-2.01252	7.53296
.900	-.990	.33307	.08269	.02261	.31935	.12567	2.54115	-.97121	7.53778
.901	-.450	.33838	.08263	.01929	.32461	.12633	2.56959	-.50063	7.54126
.900	.010	.34356	.08198	.01612	.32982	.12638	2.60979	.01002	7.54448
.901	.540	.34963	.08221	.01139	.33580	.12742	2.63541	.52085	7.54760
.900	1.120	.35650	.08164	.00795	.34268	.12779	2.69164	1.01164	7.55263
.900	2.100	.36785	.08166	-.00053	.35391	.12933	2.73645	2.02329	7.55804
.900	6.021	.42802	.08691	-.03846	.41278	.14272	2.89232	6.02980	7.59497
.900	10.021	.49114	.09363	-.07759	.47435	.15805	3.00126	9.98623	7.63418
GRADIENT		.01106	-.00047	-.00744	.01101	.00102	.06577	.97540	.00630

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3063) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 300/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
1.201	-10.025	.32790	.15843	.01678	.30411	.20033	1.51807	-10.00250	7.58599
1.201	-5.983	.36328	.15098	-.00615	.34008	.19778	1.71954	-5.99750	7.61213
1.201	-1.941	.39122	.14702	-.02703	.36824	.19765	1.86310	-1.97247	7.62762
1.200	-1.011	.39780	.14699	-.03264	.37476	.19851	1.88791	-.98123	7.62978
1.201	-.490	.40282	.14714	-.03542	.37970	.19935	1.90473	-.55069	7.63423
1.200	-.010	.40868	.14743	-.03814	.38545	.20045	1.92290	.00000	7.63993
1.200	.450	.41195	.14823	-.04164	.38859	.20168	1.92676	.48078	7.63986
1.200	.960	.41662	.14902	-.04528	.39310	.20310	1.93547	1.01164	7.64190
1.200	2.030	.42708	.15077	-.05205	.40321	.20627	1.95473	2.00326	7.64911
1.200	5.991	.46799	.15512	-.08221	.44310	.21620	2.04950	5.99975	7.67074
1.200	10.031	.51103	.16204	-.11597	.48475	.22896	2.11716	10.02629	7.68966
	GRADIENT	.00917	.00098	-.00634	.00894	.00222	.02323	1.00679	.00559

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3064) (16 SEP 75)

PARAMETRIC DATA

ALPHA	=	7.500	SPDRBK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

RUN NO. 289/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3065) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 290/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.900	-6.003	.36097	.08663	.00730	.34644	.13335	2.59795	6.02980	7.55779
.901	-3.972	.35401	.08423	.01043	.33987	.13003	2.61376	3.97646	7.55274
.900	-1.931	.34733	.08254	.01400	.33348	.12744	2.61676	1.95317	7.54732
.900	-.970	.34340	.08213	.01564	.32964	.12650	2.60581	1.03168	7.54342
.900	-.450	.34205	.08210	.01581	.32831	.12628	2.59980	.51083	7.54153
.900	-.040	.34278	.08207	.01628	.32904	.12636	2.60405	.02003	7.54363
.901	.230	.34378	.08225	.01617	.33000	.12668	2.60499	-.22028	7.54527
.901	.570	.34456	.08242	.01472	.33076	.12695	2.60541	-.47059	7.54446
.901	1.000	.34805	.08248	.01466	.33420	.12750	2.62120	-1.03129	7.54999
.900	2.030	.34055	.08242	.01685	.32679	.12640	2.58533	-2.03254	7.54079
.899	4.051	.34898	.08380	.01382	.33494	.12692	2.59806	-4.02503	7.54871
.901	6.051	.35541	.08763	.00842	.34081	.13358	2.55141	-6.03755	7.55145
GRADIENT	-.00066	-.00003	.00042	-.00065	-.00012	-.00253	-1.00073	-.00050	

RUN NO. 296/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
1.200	-5.963	.41465	.15493	-.04422	.39033	.20874	1.86992	6.04983	7.64927
1.200	-3.932	.41343	.15209	-.04213	.38950	.20577	1.89283	4.01653	7.65100
1.200	-1.941	.40789	.14945	-.03929	.38438	.20240	1.89916	2.01327	7.64627
1.200	-.950	.40775	.14833	-.03801	.38438	.20128	1.90970	.99161	7.64831
1.200	-.490	.40787	.14788	-.03791	.38456	.20085	1.91465	.46075	7.64895
1.200	-.210	.40713	.14761	-.03813	.38387	.20048	1.91477	.23037	7.64714
1.200	.000	.40705	.14741	-.03808	.38382	.20026	1.91658	-.05006	7.64711
1.200	.250	.40901	.14749	-.03904	.38574	.20062	1.92274	-.25031	7.64900
1.200	.500	.40719	.14765	-.03890	.38393	.20052	1.91470	-.47059	7.64610
1.200	1.000	.40896	.14790	-.03954	.38564	.20102	1.91846	-1.02128	7.64801
1.200	1.900	.40763	.14831	-.03885	.38427	.20123	1.90959	-1.98248	7.64673
1.200	3.980	.41185	.14944	-.04218	.38830	.20293	1.91347	-4.00501	7.64847
1.200	6.021	.41150	.15066	-.04359	.38780	.20407	1.90032	-6.02753	7.64540
GRADIENT	-.00013	-.00032	-.00004	-.00008	-.00034	.00273	-1.01859	-.00025	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3066) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 BETA = .000

RUN NO. 122/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.900	-3.030	.43366	.09414	-.03650	.41741	.15063	2.77107	13.08800	7.59552
.901	-1.070	.42661	.09062	-.03154	.41089	.14619	2.81065	11.07523	7.59280
.900	.970	.41771	.08722	-.02810	.40255	.14158	2.84318	9.02241	7.58427
.900	3.120	.41379	.08485	-.02447	.39897	.13871	2.87620	7.06972	7.58390
.900	5.129	.40822	.08333	-.02300	.39366	.13643	2.88548	5.06697	7.57716
.901	7.089	.40998	.08488	-.02462	.39520	.13820	2.85956	3.01414	7.57798
.901	9.079	.41273	.08597	-.02568	.39778	.13966	2.84814	1.04143	7.58034
.901	10.999	.41962	.08900	-.03006	.40420	.14360	2.81468	-1.00075	7.58474
.901	12.998	.43276	.09284	-.03490	.41669	.14924	2.79214	-2.95221	7.59719
.901	15.038	.43047	.09654	-.03507	.41394	.15257	2.71311	-4.99375	7.59263
GRADIENT	-.00333	-.00152	.00193	-.00310	-.00197	.01696	-.98077	-.00211	

RUN NO. 295/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
1.200	-.990	.46229	.15754	-.07844	.43711	.21788	2.00619	11.01790	7.67642
1.200	1.000	.46076	.15605	-.07761	.43579	.21619	2.01580	9.01465	7.67533
1.200	2.990	.45656	.15515	-.07345	.43175	.21473	2.01061	6.98134	7.67495
1.200	4.011	.45745	.15500	-.07530	.43266	.21469	2.01522	6.01978	7.67349
1.200	4.481	.45536	.15443	-.07447	.43067	.21383	2.01408	5.50895	7.67124
1.200	4.751	.45737	.15409	-.07452	.43270	.21379	2.02392	5.26956	7.67485
1.200	5.531	.45755	.15352	-.07545	.43296	.21325	2.03032	4.53737	7.67364
1.200	6.021	.45688	.15313	-.07436	.43234	.21277	2.03197	3.98648	7.67449
1.200	7.041	.45553	.15266	-.07381	.43107	.21211	2.03226	3.00488	7.67300
1.200	9.011	.45547	.15273	-.07474	.43101	.21216	2.03154	1.01164	7.67118
1.200	10.961	.46003	.15406	-.07820	.43534	.21410	2.03334	-1.02128	7.67327
GRADIENT	-.00108	-.00055	.00075	-.00099	-.00069	.00182	-1.00288	-.00058	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3067) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 297/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
1.200	4.971	.51386	.16608	-.11718	.48696	.23345	2.08590	14.95430	7.70233
1.200	5.961	.51380	.16475	-.11707	.48708	.23213	2.09829	14.04282	7.70248
1.200	8.071	.51339	.16359	-.11694	.48683	.23092	2.10824	11.97947	7.70216
1.200	9.061	.51243	.16283	-.11642	.48598	.23003	2.11267	11.03794	7.70144
1.200	9.461	.51274	.16236	-.11600	.48635	.22962	2.11804	10.53712	7.70278
1.200	9.761	.51107	.16209	-.11569	.48474	.22911	2.11578	10.23663	7.70041
1.200	10.231	.51255	.16209	-.11550	.48620	.22932	2.12020	9.68574	7.70158
1.200	10.541	.51442	.16221	-.11723	.48804	.22971	2.12461	9.54551	7.70368
1.200	10.961	.51316	.16233	-.11691	.48678	.22964	2.11972	8.97458	7.70197
1.200	12.012	.50811	.16227	-.11359	.48179	.22887	2.10503	7.98297	7.69842
1.200	14.012	.51264	.16443	-.11647	.48598	.23165	2.09795	6.01978	7.70147
1.200	14.872	.50805	.16392	-.11306	.48151	.23051	2.08892	5.02817	7.69900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3068) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 8.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 118/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-8.060	.32036	.08953	.07054	.30342	.13631	2.22599	-8.02602	8.57790
.901	-6.040	.34237	.08688	.05646	.32555	.13706	2.37532	-5.98449	8.59152
.901	-4.130	.35657	.08468	.04329	.33991	.13701	2.48090	-4.05304	8.59440
.901	-2.160	.37279	.08326	.03187	.35614	.13809	2.57899	-2.25169	8.60324
.901	.120	.39594	.08162	.01621	.37924	.14002	2.70848	.03004	8.61624
.901	1.900	.41840	.08136	.00120	.40145	.14321	2.80317	2.03280	8.62924
.900	3.990	.44598	.08236	-.01633	.42853	.14846	2.88642	4.02554	8.64589
.900	5.849	.47948	.08650	-.03767	.46097	.15776	2.92198	6.01828	8.66598
.900	7.999	.50919	.08944	-.05712	.48985	.16528	2.96373	8.05107	8.68261
	GRADIENT	.01104	-.00033	-.00738	.01095	.00137	.05102	1.00647	.00634

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3069) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 BETA = .000

RUN NO. 285/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.799	-15.998	.37328	.06263	.08311	.35530	.13045	2.72365	-3.94493	10.63675
.799	-14.037	.36671	.06128	.08651	.34911	.12789	2.72977	-6.00751	10.63181
.799	-12.016	.35981	.06106	.09002	.34238	.12637	2.70941	-8.00000	10.62695
.800	-11.006	.35953	.06130	.09119	.34205	.12657	2.70258	-9.01126	10.62885
.799	-10.445	.35650	.06102	.09137	.33914	.12570	2.69809	-9.50188	10.62420
.799	-10.245	.35824	.06107	.09124	.34083	.12609	2.70304	-9.74218	10.62695
.800	-9.995	.36076	.06127	.09150	.34326	.12678	2.70756	-9.98248	10.63133
.799	-9.745	.35789	.06091	.09102	.34052	.12586	2.70565	-10.24280	10.62605
.799	-9.515	.35889	.06063	.09031	.34156	.12577	2.71583	-10.51314	10.62611
.799	-8.994	.36106	.06066	.08959	.34368	.12621	2.72305	-11.01377	10.62865
.799	-7.994	.35849	.06054	.08981	.34119	.12560	2.71653	-12.06508	10.62462
.800	-5.943	.37048	.06061	.08561	.35293	.12796	2.75815	-14.00751	10.63739
.799	-3.982	.37577	.06150	.08244	.35795	.12983	2.75714	-16.10013	10.64000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3070) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 293/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.950	-5.953	.57964	.10459	-.02390	.54948	.21210	2.59065	5.99975	10.87795
.951	-3.952	.57385	.10261	-.02187	.54419	.20901	2.60362	3.97646	10.87298
.951	-2.041	.56670	.10071	-.01787	.53754	.20575	2.61261	1.97321	10.86743
.951	-.970	.56415	.09990	-.01663	.53520	.20446	2.61769	1.00163	10.86562
.951	.270	.56411	.09980	-.01767	.53519	.20433	2.61923	-.24030	10.86399
.951	.540	.56624	.09981	-.01835	.53727	.20477	2.62384	-.49061	10.86647
.951	.990	.56636	.09992	-.01929	.53737	.20489	2.62271	-1.02128	10.86522
.951	2.030	.56571	.10009	-.01812	.53670	.20494	2.61881	-1.99249	10.86584
.951	4.031	.57289	.10207	-.02202	.54336	.20829	2.60863	-4.03504	10.87152
.951	5.941	.57869	.10381	-.02500	.54871	.21114	2.59881	-5.99750	10.87588
GRADIENT	-.00011	-.00009	-.00008	-.00008	-.00009	-.00011	.00099	-.99842	-.00025

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3071) (16 SEP 75)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.   XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES   YMRP = .0000 IN. YO
BREF = 936.6800 INCHES   ZMRP = 375.0000 IN. ZO
SCALE = .0150

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PARAMETRIC DATA

ALPHA	=	11.000	SPDBRK	=	25.000
RUDDER	=	.000	SDFLAP	=	.000
ELEVON	=	10.000	BETA	=	.000

RUN NO. 282/ 0		RN/L = 3.50	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA	
.700	4.971	.67010	.05220	-.07711	.64858	.17635	3.67785	15.02441	10.75699	
.700	6.061	.67128	.04955	-.07715	.65022	.17400	3.73683	14.06285	10.76003	
.700	8.001	.67304	.04833	-.07690	.65255	.17121	3.81145	12.00952	10.76311	
.700	8.991	.67460	.04556	-.07678	.65422	.17076	3.83118	11.02792	10.76515	
.700	9.511	.67407	.04491	-.07617	.65382	.17002	3.84566	10.51709	10.76424	
.700	9.741	.67423	.04496	-.07570	.65396	.17011	3.84432	10.23663	10.76558	
.700	10.011	.67330	.04476	-.07582	.65309	.16972	3.84804	9.95618	10.76437	
.700	10.251	.67697	.04517	-.07755	.65661	.17084	3.84347	9.74584	10.76650	
.700	10.511	.67620	.04506	-.07740	.65588	.17059	3.84482	9.50545	10.76639	
.701	11.031	.67791	.04551	-.07849	.65747	.17136	3.83665	8.98460	10.76769	
.700	11.951	.67110	.04478	-.07397	.65093	.16932	3.84437	8.00300	10.76356	
.700	14.022	.67099	.04667	-.07455	.65047	.17114	3.80074	5.94957	10.76227	
.700	15.062	.67038	.04853	-.07709	.64954	.17281	3.75862	4.98811	10.75849	
	GRADIENT	.00000	.00000		.00000	.00000	.00000	.00000	.00000	

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3072) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 281/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.700	-10.035	.32159	.03773	.10104	.30929	.09585	3.22696	-10.00250	10.52566
.700	-5.973	.39557	.03324	.06751	.38274	.10531	3.63432	-6.01752	10.58101
.701	-1.971	.45950	.03222	.03516	.44568	.11639	3.82926	-1.99249	10.62540
.700	-.940	.47733	.03199	.02508	.46322	.11954	3.87516	-1.03129	10.63535
.700	-.450	.48539	.03182	.02031	.47117	.12089	3.89752	-.51064	10.63959
.700	.040	.49615	.03248	.01644	.48160	.12361	3.89752	.08013	10.64920
.700	.540	.50075	.03226	.01199	.48617	.12425	3.91297	.51083	10.64935
.700	1.050	.51163	.03316	.00700	.49667	.12721	3.90426	.99161	10.65801
.701	1.980	.52812	.03421	-.00089	.51265	.13140	3.90156	1.98322	10.66981
.699	5.991	.60292	.03778	-.03771	.58537	.14927	3.92167	6.04983	10.71955
.699	10.021	.67436	.04432	-.07654	.65422	.16948	3.86017	10.04633	10.76318
GRADIENT		.01725	.00051	-.00909	.01684	.00378	.01764	1.00916	.01119

RUN NO. 287/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.800	-20.060	.28667	.08027	.12858	.26708	.13151	2.03080	-20.09512	10.57367
.799	-15.968	.31803	.07036	.11459	.29965	.12766	2.34721	-15.95995	10.60013
.800	-12.066	.34482	.06381	.09951	.32716	.12626	2.59115	-11.98498	10.61961
.799	-10.985	.35108	.06215	.09491	.33361	.12580	2.65186	-10.95369	10.62166
.800	-10.425	.35429	.06178	.09346	.33682	.12605	2.67220	-10.44305	10.62454
.799	-10.025	.36128	.06118	.09188	.34379	.12679	2.71155	-10.05257	10.63242
.800	-9.435	.36456	.06061	.08841	.34712	.12684	2.73668	-9.53191	10.63357
.798	-8.974	.37013	.05937	.08543	.35281	.12667	2.78535	-9.01126	10.63562
.800	-7.984	.37992	.05876	.08047	.36253	.12793	2.83391	-8.05006	10.64452
.800	-3.912	.43352	.05443	.05046	.41592	.13384	3.10750	-4.00501	10.68146
.800	.060	.48764	.05359	.01885	.46918	.14332	3.27356	.04007	10.71561
GRADIENT		.01363	-.00021	-.00796	.01341	.00239	.04181	1.01840	.00860

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3072) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 119/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-7.980	.42880	.09035	.06531	.40443	.16873	2.39684	-7.98599	10.74809
.900	-5.970	.44190	.08724	.05298	.41788	.16814	2.48532	-5.94446	10.75000
.900	-4.000	.46078	.08520	.03927	.43677	.16973	2.57335	-4.07305	10.75999
.901	-2.060	.47728	.08356	.02666	.45327	.17125	2.64675	-2.12159	10.76755
.900	.050	.49930	.08221	.01153	.47512	.17414	2.72834	.02003	10.77922
.901	2.080	.52908	.08201	-.00631	.50434	.17970	2.80665	2.02278	10.79968
.901	3.910	.56022	.08372	-.02586	.53455	.18739	2.85259	4.03555	10.81951
.900	5.979	.59860	.08662	-.04751	.57161	.19771	2.89111	6.06834	10.84577
.901	8.099	.63503	.09094	-.06957	.60649	.20907	2.90092	8.06108	10.87034
GRADIENT		.61254	-.00023	-.00917	.01233	.00218	.03604	1.01980	.00756

RUN NO. 294/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.951	-10.035	.46729	.10901	.05634	.43852	.19479	2.25125	-9.99249	10.81963
.951	-6.003	.50514	.10194	.02619	.47697	.19508	2.44498	-6.01752	10.83562
.951	-1.941	.54267	.09946	-.00195	.51423	.19987	2.57289	-2.00250	10.85339
.951	-1.021	.55595	.09961	-.01030	.52722	.20259	2.60240	-1.00125	10.86220
.951	-.510	.55731	.09951	-.01334	.52858	.20273	2.60732	-.53066	10.85944
.951	.030	.56401	.09958	-.01740	.53513	.20410	2.62188	-.04005	10.86422
.951	.450	.56648	.09981	-.02131	.53752	.20477	2.62494	.47076	10.86213
.951	1.020	.57823	.10033	-.02586	.54892	.20761	2.64403	.97158	10.87410
.951	2.040	.58713	.10109	-.03397	.55751	.21006	2.65412	1.99324	10.87578
.952	6.061	.65531	.10784	-.07876	.62303	.23000	2.70885	6.04983	10.91720
.951	10.071	.72398	.11508	-.12164	.68890	.25063	2.74862	10.02629	10.96018
GRADIENT		.61106	.00040	-.00797	.01075	.00253	.02028	.99754	.00556

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3073) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 298/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
1.200	5.041	.76931	.16288	-.14109	.71800	.32070	2.23886	14.95430	12.11420
1.200	8.041	.76779	.15922	-.14086	.71729	.31678	2.26430	11.97947	12.11229
1.200	8.991	.76619	.15779	-.13929	.71602	.31505	2.27275	10.99787	12.11246
1.200	9.561	.76597	.15746	-.14086	.71590	.31464	2.27526	10.49706	12.10941
1.200	10.021	.76723	.15703	-.14073	.71720	.31452	2.28032	9.99624	12.11195
1.200	10.521	.76814	.15648	-.14135	.71821	.31417	2.28601	9.48541	12.11267
1.200	11.051	.76748	.15588	-.14163	.71769	.31343	2.28979	8.96457	12.11093
1.200	12.082	.76288	.15538	-.13765	.71331	.31196	2.28654	7.99299	12.10958
1.200	15.052	.76448	.16009	-.13909	.71389	.31690	2.25274	5.04820	12.10928
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3074) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 279/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.601	-10.034	.41243	.01867	.10553	.39845	.10808	3.68661	-10.03003	12.58513
.601	-5.952	.48676	.01650	.05875	.47137	.12253	3.84690	-5.97598	12.63063
.601	-1.961	.55906	.01656	.03487	.54179	.13885	3.90194	-1.98198	12.67779
.601	-.930	.57862	.01256	.02559	.56173	.13936	4.03081	-.96096	12.68974
.601	-.470	.58661	.01528	.02172	.56891	.13932	3.95563	-.50050	12.69518
.601	.000	.59803	.01230	.01713	.58069	.14351	4.04628	.04007	12.70324
.601	.500	.61005	.01129	.01303	.59261	.14526	4.07973	.48084	12.71242
.601	1.030	.61904	.01188	.00836	.60124	.14787	4.06597	1.03181	12.71814
.601	1.990	.63708	.01147	.00022	.61689	.15158	4.08291	1.99349	12.73033
.601	5.961	.71079	.01523	-.03736	.68084	.17200	4.01062	6.02054	12.77311
.601	10.083	.78906	.02297	-.07666	.76429	.19748	3.87021	10.05760	12.81994
	GRADIENT	.02011	-.00125	-.00878	.01986	.00335	.04448	1.00831	.01373

D

(RJ3074) (02 NOV 75)

PARAMETRIC DATA

ALPHA	=	13.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
AILRON	=	.000	BETA	=	.000

5-1255

MACH	ELVN-L	CN	CA	CLM	CL	CO	L/D	ELVN-R	ALPHA
.900	-7.950	.53277	.09141	.05759	.49896	.20794	2.39953	-8.01601	12.88769
.901	-6.020	.55057	.08869	.04446	.51689	.20933	2.46921	-5.97448	12.89634
.900	-4.120	.56788	.08597	.03072	.53435	.21060	2.53725	-4.03302	12.90276
.900	-2.090	.58871	.08466	.01725	.55489	.21411	2.59164	-2.14161	12.91598
.901	.050	.61237	.08410	.00065	.57803	.21898	2.63966	.00000	12.92904
.900	2.060	.64486	.08528	-.01955	.60935	.22761	2.67713	2.09288	12.94907
.901	3.960	.68216	.08899	-.04352	.64478	.23985	2.68829	4.06559	12.97190
.901	5.949	.72157	.09209	-.06516	.68236	.25206	2.70710	5.99625	13.00084
.901	7.969	.75420	.09538	-.08423	.71331	.26289	2.71336	8.00100	13.02348
	GRADIENT	.01398	.00032	-.00910	.01352	.00353	.01915	1.00573	.00841

(RJ3075) (02 NOV 75)

PARAMETRIC DATA

ALPHA	=	13.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

[illegible]

LARC BFT TPT 717(LA-62) 140C ORBITER

(RJ3075) (02 NOV 75)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES   YMRP = .0000 IN. YO
BREF = 936.8000 INCHES   ZMRP = 375.0000 IN. ZO
SCALE = .0150

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PARAMETRIC DATA

ALPHA	=	13.000	SPOBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

RUN NO. 301/0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

RUN NO. 299/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3076) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 BETA = .000

RUN NO. 277/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.601	-10.964	.51253	.01469	.05960	.49687	.12659	3.92520	.96168	12.65057
.601	-9.023	.51355	.01338	.05943	.49815	.12554	3.96806	-1.04104	12.65194
.600	-6.923	.51125	.01541	.05902	.49547	.12698	3.90185	-2.96296	12.64793
.600	-5.942	.50159	.01614	.06099	.48591	.12550	3.87183	-4.05405	12.63892
.601	-5.472	.50505	.01789	.05979	.48889	.12800	3.81956	-4.52452	12.64281
.601	-5.222	.50718	.01756	.05935	.49103	.12815	3.83162	-4.77477	12.64456
.600	-4.962	.50142	.01707	.05997	.48553	.12636	3.84260	-5.04505	12.63775
.600	-4.722	.50758	.01712	.05965	.49152	.12781	3.84567	-5.22523	12.64423
.601	-4.472	.50828	.01733	.05781	.49216	.12816	3.84003	-5.47548	12.64337
.601	-3.951	.50495	.01751	.05962	.48887	.12760	3.83112	-6.02603	12.64265
.601	-3.041	.50350	.01776	.06026	.48741	.12751	3.82256	-7.02703	12.64074
.601	-.990	.50462	.01811	.06087	.48842	.12812	3.81228	-8.99900	12.64240
.601	1.040	.50940	.01829	.05790	.49304	.12936	3.81142	-11.04104	12.64499
	GRADIENT	.00049	.00020	-.00008	.00044	.00031	-.00589	-1.00511	.00049

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3077) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 280/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.601	-5.992	.60028	.01717	.01582	.58181	.14876	3.91120	5.97045	12.70389
.601	-3.931	.60129	.01355	.01588	.58359	.14546	4.01199	4.07713	12.70537
.601	-1.971	.59363	.01041	.01896	.57681	.14067	4.10058	1.95342	12.70000
.601	-.930	.60148	.00992	.01859	.58456	.14200	4.11648	1.01177	12.70890
.601	-.440	.60025	.01092	.01740	.58315	.14267	4.08729	.49086	12.70597
.601	-.240	.59992	.01365	.01682	.58223	.14527	4.00801	.25044	12.70594
.601	.250	.59739	.01501	.01602	.57947	.14599	3.96912	-.23023	12.70166
.601	.560	.60392	.01637	.01451	.58553	.14881	3.93489	-.47047	12.70649
.601	1.050	.59868	.01450	.01482	.58084	.14578	3.98436	-1.06106	12.70126
.601	2.061	.59154	.01717	.01650	.57331	.14674	3.90709	-2.00200	12.69423
.601	4.031	.59607	.01889	.01377	.57734	.14944	3.86340	-3.98398	12.69678
.601	6.042	.60227	.02086	.01240	.58295	.15279	3.81535	-6.03604	12.70284
GRADIENT		-.00062	.00100	-.00044	-.00082	.00083	-.02820	-1.00724	-.00128

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3078) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 BETA = .000

RUN NO. 275/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.600	-1.010	.69375	.01845	-.02846	.67254	.17124	3.92736	11.05935	12.76204
.601	1.020	.69863	.01622	-.03060	.67778	.17021	3.98202	9.06587	12.76749
.600	3.081	.69512	.01443	-.02944	.67476	.16763	4.02537	6.95217	12.76229
.601	4.061	.69516	.01404	-.02834	.67488	.16730	4.03397	6.05059	12.76535
.601	4.511	.69293	.01387	-.02721	.67275	.16662	4.03773	5.45955	12.76320
.601	4.721	.68927	.01397	-.02727	.66916	.16586	4.03450	5.26922	12.75963
.601	5.271	.69110	.01408	-.02827	.67092	.16638	4.03247	4.73829	12.76021
.601	5.541	.69020	.01419	-.02837	.67003	.16627	4.02973	4.55798	12.75921
.601	6.072	.68866	.01429	-.02804	.66651	.16601	4.02693	4.07713	12.75737
.601	7.062	.68995	.01427	-.02618	.66976	.16633	4.02678	2.95517	12.76194
.600	9.012	.68306	.02179	-.02876	.66141	.17199	3.84563	.94165	12.74925
.601	11.063	.68893	.02488	-.03315	.66644	.17633	3.77942	-1.02102	12.75172
GRADIENT		-.00063	-.00079	.00031	-.00044	-.00091	.01898	-1.00938	-.00029

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3079) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 336.6800 INCHES ZMRP = 375.0200 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 BETA = .000

RUN NO. 133/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.600	-4.950	.71131	.02933	-.03208	.68714	.18615	3.69139	15.04068	12.79652
.601	-2.940	.71036	.02749	-.03256	.68663	.19414	3.72892	13.21817	12.79595
.600	-.950	.69568	.02648	-.02747	.67258	.17977	3.74143	10.95506	12.78420
.600	.000	.61056	.01883	.01492	.59139	.15294	3.86683	-.04003	12.73296
.600	1.060	.69376	.02458	-.02756	.67113	.17745	3.78212	8.98235	12.78072
.600	3.060	.69740	.02449	-.02967	.67470	.17819	3.78637	7.08975	12.78317
.600	4.039	.69514	.02420	-.02870	.67257	.17738	3.79162	5.91814	12.78125
.600	4.979	.69276	.02402	-.02792	.67028	.17667	3.79404	5.00688	12.77993
.600	5.499	.70709	.01683	-.02978	.68580	.17302	3.96371	4.47615	12.79605
.600	6.009	.69358	.02342	-.02798	.67122	.17628	3.80761	3.93541	12.78170
.600	7.049	.70728	.01624	-.02962	.68612	.17248	3.97802	2.97409	12.79525
.600	9.009	.70998	.01680	-.03002	.68862	.17366	3.96538	1.09150	12.79839
.599	11.109	.71573	.01880	-.03419	.69378	.17689	3.92214	-1.04078	12.79857
.600	13.058	.71432	.02162	-.03608	.69179	.17929	3.85850	-3.04228	12.79589
	GRADIENT	-.00123	-.00048	.00010	-.00109	-.00076	.00954	-.95069	-.00138

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3080) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 276/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.600	5.061	.79167	.02743	-.07853	.76585	.20239	3.78399	15.00626	12.81880
.601	6.042	.79145	.02620	-.07813	.76591	.20116	3.80740	13.99449	12.82001
.600	8.012	.78661	.02404	-.07690	.76168	.19792	3.84844	12.03105	12.81557
.601	9.052	.78825	.02358	-.07751	.76338	.19787	3.85803	11.05935	12.81788
.600	9.512	.78567	.02261	-.07514	.76108	.19633	3.87644	10.48835	12.81654
.600	9.752	.78465	.02242	-.07514	.76013	.19589	3.88030	10.26797	12.81437
.601	10.023	.78665	.02283	-.07638	.76199	.19677	3.87258	9.98748	12.81646
.601	10.233	.78860	.02291	-.07676	.76386	.19731	3.87147	9.73704	12.81888
.600	10.503	.78908	.02299	-.07710	.76431	.19748	3.87028	9.52667	12.81830
.601	10.993	.78974	.02294	-.07692	.76496	.19761	3.87105	9.03581	12.82029
.601	11.993	.77930	.02235	-.07331	.75494	.19460	3.87941	7.98397	12.81199
.600	14.004	.78442	.02436	-.07383	.75947	.19777	3.84007	5.97045	12.81635
.601	14.954	.78497	.02664	-.07668	.75951	.20008	3.79606	5.04884	12.81423
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3081) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 121/ 0 FN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	CN	CA	CLM	CL	CD	L/D	ELVN-R	ALPHA
.901	-7.950	.64727	.09110	.05204	.60138	.25613	2.34801	-7.93595	15.05750
.901	-5.990	.66552	.08850	.03750	.61965	.25844	2.39765	-5.95447	15.06537
.900	-4.240	.68236	.09591	.02501	.63655	.26038	2.44467	-4.28321	15.07167
.900	-2.000	.70899	.08425	.00843	.66261	.26591	2.49187	-1.93145	15.08907
.901	.000	.73660	.08467	-.00864	.68907	.27373	2.51736	-.02002	15.10817
.900	2.090	.77482	.08668	-.03264	.72533	.28593	2.53674	2.12292	15.13138
.900	4.079	.81225	.09032	-.05776	.76041	.29948	2.53905	4.14570	15.15159
.900	6.039	.85103	.09386	-.07978	.79676	.31341	2.54219	6.02829	15.17936
.901	7.919	.88183	.09787	-.09913	.82532	.32564	2.53447	8.06108	15.19900
GRADIENT	.01568	.00053	-.00995	.01495	.00472	.01134	1.00904	.00974	

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(RJ3082) (02 NOV 75)

PARAMETRIC DATA

ALPHA	=	16.000	SPD BRK	=	25.000
RUDDER	=	.000	BD FLAP	=	.000
ELEVON	=	10.000	BETA	=	.000

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3001) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = .000

RUN NO. 9/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-4.058	-.00056	.00027	.00005	-.00083	.24914	-.36118	-.43212	730.17160	-20.03748	-20.01250
1.200	-2.406	.00040	-.00047	.00007	-.00030	.21668	-.35331	-.42474	729.78418	-20.06746	-20.06251
1.200	-.193	.00601	-.00341	-.00037	-.00085	.17357	-.36419	-.43148	730.06516	-20.04747	-20.05251
1.201	2.010	.00852	-.00308	-.00119	-.00094	.13885	-.36993	-.42590	730.50837	-20.01749	-19.95249
1.201	4.217	.00837	-.00258	-.00134	-.00091	.10761	-.37909	-.43022	730.40768	-20.03748	-20.03250
1.201	6.423	.00600	-.00063	-.00143	-.00076	.07831	-.39071	-.44242	730.42341	-20.05746	-20.05251
1.200	8.635	.00502	.00082	-.00171	-.00061	.05638	-.40308	-.43944	730.12331	-19.96752	-19.99250
1.201	10.851	.00346	.00153	-.00155	-.00016	.04330	-.40367	-.43467	730.30924	-20.00750	-19.94249
1.200	13.081	.00423	.00117	-.00164	-.00058	.02765	-.39276	-.44300	730.07293	-20.05746	-20.01250
1.200	15.280	.00377	.00207	-.00187	-.00058	.01576	-.41658	-.44218	730.04386	-19.95753	-19.96250
1.200	17.481	.00425	.00185	-.00193	-.00076	.00747	-.42822	-.45001	730.16785	-20.04747	-19.97250
1.200	19.667	.00418	.00156	-.00182	-.00046	.00463	-.43960	-.46606	730.00299	-20.01749	-19.99250
GRADIENT		.00124	-.00039	-.00019	-.00004	-.01717	-.00257	.00009	.05971	.00255	.00363

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3002) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 32/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-4.035	-.00280	.00251	-.00004	-.00078	.21961	-.24081	-.26959	624.63731	-15.01249	-15.01375
.900	-2.411	.00000	.00049	-.00019	-.00101	.20514	-.23850	-.26540	624.76109	-14.99250	-14.99375
.900	-1.229	.00227	-.00165	-.00011	-.00088	.19470	-.23487	-.25904	624.70163	-14.99250	-15.01375
.900	-.248	.00403	-.00308	-.00013	-.00061	.18793	-.23309	-.25500	624.77933	-15.01249	-15.01375
.899	.820	.00509	-.00333	-.00038	-.00025	.17968	-.23063	-.25193	624.62821	-15.01249	-15.03376
.899	1.965	.00547	-.00321	-.00055	-.00022	.17106	-.22940	-.25059	624.53229	-15.03248	-15.04376
.899	3.083	.00533	-.00290	-.00063	-.00034	.15954	-.22804	-.24898	624.46369	-14.99250	-14.98375
.899	4.197	.00515	-.00304	-.00052	-.00057	.14467	-.22615	-.24798	624.14290	-15.00250	-15.00375
.899	5.244	.00427	-.00208	-.00060	-.00052	.13378	-.22420	-.24641	624.31244	-15.02249	-15.02376
.900	6.379	.00404	-.00072	-.00104	-.00043	.12379	-.22075	-.24447	624.79756	-15.01249	-15.00375
.899	7.539	.00223	.00071	-.00100	-.00033	.11338	-.21953	-.24277	624.34468	-14.98251	-15.01375
.898	8.560	.00231	.00051	-.00095	-.00088	.10736	-.22058	-.24247	623.49265	-14.99250	-15.00375
.899	9.574	.00132	.00126	-.00091	-.00065	.10469	-.22229	-.24464	624.35378	-15.00250	-15.02376
.899	10.729	.00083	.00228	-.00114	-.00071	.09809	-.22625	-.24783	624.54140	-15.01249	-15.02376
.899	11.907	-.00004	.00181	-.00067	.00020	.08420	-.23126	-.25220	623.93698	-15.01249	-15.01375
.899	12.927	-.00041	.00168	-.00050	.00063	.08282	-.23243	-.25385	624.50920	-14.99250	-15.01375
.899	13.934	.00087	-.00063	-.00005	.00090	.08664	-.24074	-.26601	624.50920	-14.99250	-15.00375
.899	15.062	.00125	-.00012	-.00037	.00099	.08679	-.24918	-.27580	624.47280	-14.99250	-15.02376
.898	17.271	.00099	-.00191	.00039	-.00052	.08401	-.26875	-.29997	623.71677	-14.99250	-14.99375
.899	19.383	.00218	-.00013	-.00070	-.00021	.08593	-.28799	-.32286	624.08334	-15.00250	-15.00375
GRADIENT		.00098	-.00065	-.00007	.00007	-.00869	.00182	.00275	-.05691	-.00040	.00015

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 277

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3002) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 8/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.076	-.00009	.00170	-.00062	-.00113	.22047	-.35907	-.40537	730.12331	-14.97064	-15.00188
1.201	-2.352	.00198	-.00008	-.00052	-.00117	.18617	-.35307	-.40700	730.23538	-14.96065	-14.94187
1.202	-1.245	.00377	-.00171	-.00039	-.00123	.16429	-.34760	-.40828	730.53495	-14.96065	-14.96187
1.201	-.145	.00546	-.00193	-.00078	-.00100	.14587	-.34984	-.40936	730.23538	-15.01062	-14.99187
1.201	.944	.00832	-.00313	-.00112	-.00116	.12714	-.35403	-.40677	730.17941	-14.97064	-15.00188
1.201	2.055	.00893	-.00304	-.00132	-.00103	.11015	-.35905	-.40748	730.31484	-15.03061	-15.02188
1.201	3.157	.00848	-.00287	-.00126	-.00098	.09509	-.36445	-.40943	730.35179	-14.98064	-15.01188
1.200	4.267	.00736	-.00177	-.00137	-.00096	.08176	-.37034	-.41112	730.13684	-15.03061	-15.03188
1.200	5.356	.00711	-.00134	-.00147	-.00085	.06905	-.37709	-.41475	729.93721	-14.99063	-14.99187
1.200	6.459	.00599	-.00004	-.00165	-.00074	.05641	-.38011	-.41507	730.09511	-14.98064	-15.01188
1.201	7.551	.00554	.00055	-.00175	-.00077	.04533	-.38254	-.41427	730.37305	-14.98064	-15.05188
1.200	8.666	.00498	.00154	-.00197	-.00106	.03580	-.38454	-.41445	730.13684	-15.01062	-15.01188
1.200	9.772	.00399	.00215	-.00193	-.00082	.02808	-.38285	-.41535	730.00122	-14.99063	-15.00188
1.200	10.882	.00323	.00229	-.00178	-.00080	.02250	-.38086	-.42406	730.13106	-15.00062	-15.01188
1.201	11.988	.00344	.00180	-.00165	-.00069	.01655	-.38011	-.43649	730.30924	-15.03061	-15.02188
1.200	13.101	.00369	.00189	-.00176	-.00075	.01037	-.39139	-.43991	730.09424	-15.02061	-15.01188
1.200	14.192	.00326	.00147	-.00149	-.00040	.00424	-.40683	-.42614	730.17369	-15.05059	-15.06188
1.200	15.302	.00389	.00045	-.00129	-.00039	-.00087	-.41803	-.43043	730.24537	-14.99063	-15.04188
1.200	17.503	.00337	.00193	-.00171	-.00097	-.01844	-.42983	-.44732	730.27445	-15.00062	-15.01188
1.200	19.696	.00494	.00045	-.00162	-.00078	-.01199	-.44007	-.46535	730.04571	-15.03061	-15.04188
GRADIENT		.00107	-.00046	-.00012	.00003	-.01665	-.00169	-.00050	.00119	-.00698	-.00729

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TABULATED SOURCE DATA - LA62

PAGE 278

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BCFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 51/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.819	-.00054	-.00097	.00060	.00133	.12293	-.20203	-.23267	462.49857	-9.96875	-10.01501
.600	-2.217	.00082	-.00307	.00080	.00158	.11628	-.20117	-.22929	462.16322	-9.98875	-9.98499
.600	-1.160	.00223	-.00392	.00051	.00170	.11445	-.20092	-.22734	462.32761	-9.97875	-9.98499
.601	-.101	.00414	-.00633	.00059	.00164	.11194	-.20035	-.22522	462.83552	-9.98875	-9.99500
.600	.955	.00489	-.00659	.00036	.00185	.11039	-.20119	-.22477	461.74314	-9.98875	-10.00500
.601	2.005	.00543	-.00608	-.00007	.00191	.10877	-.19999	-.22303	462.49528	-9.98875	-9.99500
.601	3.075	.00607	-.00684	-.00006	.00191	.10733	-.20029	-.22383	462.57828	-9.98875	-9.99500
.601	4.120	.00484	-.00539	-.00008	.00195	.10626	-.19944	-.22349	462.57664	-9.98875	-9.99500
.600	5.180	.00449	-.00500	-.00008	.00191	.10496	-.19830	-.22256	461.73986	-9.98875	-10.00500
.601	6.251	.00401	-.00426	-.00015	.00169	.10393	-.19629	-.22138	462.41063	-9.98875	-10.00500
.600	7.316	.00390	-.00398	-.00021	.00150	.10324	-.19597	-.22193	461.99553	-9.98875	-9.99500
.601	8.384	.00325	-.00352	-.00010	.00160	.10268	-.19627	-.22032	462.83222	-9.97875	-10.00500
.600	9.422	.00288	-.00326	-.00004	.00175	.10246	-.19913	-.22269	462.15994	-9.97875	-9.98499
.600	10.491	.00095	-.00061	-.00019	.00206	.10388	-.20049	-.22337	462.16322	-9.97875	-9.99500
.601	11.568	.00104	-.00089	-.00013	.00212	.10495	-.20184	-.22349	462.91521	-9.97875	-10.00500
.600	12.626	.00107	-.00124	-.00001	.00155	.10390	-.20610	-.22811	462.16487	-9.97875	-9.98499
.601	13.683	.00078	-.00139	.00018	.00155	.09491	-.21219	-.23516	462.58487	-9.99675	-10.02501
.600	14.749	.00029	-.00046	.00005	.00178	.09269	-.21814	-.24432	462.25118	-9.99875	-10.02501
.600	16.888	.00176	.00012	-.00085	.00176	.08712	-.22902	-.26399	461.91906	-10.00875	-10.00500
.600	19.028	.00222	.00115	-.00146	-.00087	.08191	-.25214	-.29499	461.66665	-10.00875	-10.00500
	GRADIENT	.00091	-.00063	-.00012	.00007	-.00197	.00027	.00115	.01996	-.00246	.00072

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 279

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 44/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.879	-.00139	.00066	.00029	.00060	.13145	-.20308	-.23339	524.08921	-9.97501	-9.99250
.702	-2.292	.00068	-.00137	.00026	.00117	.12345	-.20153	-.22836	524.94448	-10.01499	-10.00250
.702	-1.216	.00111	-.00211	.00037	.00094	.11921	-.20166	-.22702	524.63175	-10.01499	-10.01250
.701	-.166	.00330	-.00426	.00034	.00118	.11615	-.20018	-.22320	523.86593	-9.98501	-10.02251
.701	.903	.00415	-.00386	-.00014	.00115	.11407	-.19934	-.22025	524.09247	-9.99500	-9.99250
.701	1.980	.00524	-.00444	-.00034	.00144	.11218	-.19896	-.21915	523.55621	-9.99500	-9.99250
.701	3.054	.00708	-.00621	-.00038	.00135	.11041	-.19742	-.21685	524.01588	-9.97501	-9.99250
.701	4.114	.00596	-.00505	-.00039	.00101	.10891	-.19665	-.21714	523.70294	-9.97501	-10.00250
.701	5.174	.00382	-.00253	-.00052	.00110	.10759	-.19550	-.21838	523.93602	-9.97501	-10.01250
.701	6.251	.00469	-.00346	-.00051	.00089	.10673	-.19361	-.21726	523.78281	-10.00500	-10.01250
.700	7.324	.00375	-.00262	-.00047	.00099	.10554	-.19263	-.21630	523.23342	-9.99500	-10.01250
.701	8.398	.00293	-.00148	-.00058	.00125	.10455	-.19253	-.21603	523.85290	-9.99500	-10.01250
.701	9.462	.00244	-.00125	-.00048	.00165	.10403	-.19380	-.21702	523.31331	-10.00500	-10.00250
.701	10.554	.00103	.00137	-.00092	.00151	.10167	-.19601	-.21799	524.16906	-9.99500	-9.97249
.700	11.620	.00130	.00037	-.00065	.00112	.09746	-.20102	-.22243	522.91059	-10.00500	-10.00250
.700	12.675	.00081	.00189	-.00104	.00086	.09444	-.20670	-.22673	522.99374	-10.00500	-9.99250
.701	13.758	.00182	.00180	-.00140	.00075	.09255	-.21187	-.23440	523.53669	-10.01499	-10.01250
.700	14.844	.00237	.00150	-.00151	.00089	.09351	-.21725	-.24338	522.92033	-10.00500	-10.01250
.701	16.977	.00207	.00195	-.00157	.00069	.08842	-.23416	-.26976	523.39319	-9.98501	-10.00250
.701	19.136	.00257	.00226	-.00190	-.00294	.08841	-.26100	-.30863	523.16002	-9.99500	-10.00250
GRADIENT		.00104	-.00077	-.00011	.00006	-.00267	.00080	.00213	-.10586	.00240	.00063

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 280

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 37/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.931	-.00330	.00243	.00024	-.00073	.14375	-.21121	-.23929	576.99885	-10.01499	-10.01250
.800	-2.270	-.00120	.00001	.00042	-.00035	.13094	-.20910	-.23407	577.19375	-10.01499	-10.02251
.800	-1.212	.00121	-.00242	.00049	.00013	.12455	-.20794	-.23033	577.40116	-10.01499	-10.02251
.800	-.197	.00332	-.00340	.00013	.00041	.12024	-.20624	-.22620	577.19375	-10.01499	-10.02251
.800	.881	.00351	-.00307	-.00007	.00041	.11652	-.20451	-.22313	577.06592	-9.98501	-10.01250
.800	2.031	.00402	-.00304	-.00026	.00054	.11373	-.20319	-.22074	576.93178	-9.99500	-10.00250
.800	3.088	.00525	-.00383	-.00039	.00060	.11067	-.20108	-.21849	577.13926	-9.99500	-10.02251
.799	4.139	.00444	-.00307	-.00040	.00043	.10837	-.19986	-.21769	576.71798	-9.99500	-10.02251
.799	5.416	.00422	-.00300	-.00035	.00041	.10461	-.19826	-.21665	576.59006	-10.00500	-10.02251
.800	6.320	.00346	-.00255	-.00025	.00026	.10071	-.19714	-.21674	577.12669	-10.00500	-10.03251
.799	7.487	.00223	-.00153	-.00021	.00064	.09471	-.19780	-.21811	576.32160	-10.01499	-10.01250
.799	8.603	.00144	-.00002	-.00050	.00087	.09007	-.19910	-.21977	576.51669	-9.98501	-10.02251
.799	9.604	.00103	-.00013	-.00032	.00136	.09001	-.20032	-.22128	576.52922	-9.98501	-10.02251
.799	10.667	.00053	.00089	-.00053	.00060	.09214	-.20298	-.22338	576.73053	-9.99500	-10.01250
.799	11.690	-.00046	.00187	-.00054	.00070	.09280	-.20780	-.22737	576.59006	-10.01499	-10.00250
.799	12.758	-.00028	.00157	-.00049	.00086	.09003	-.21307	-.23100	576.30908	-10.01499	-10.01250
.799	13.825	.00055	.00064	-.00044	.00132	.08837	-.21666	-.23633	576.59006	-10.07499	-10.02251
.799	15.054	.00058	.00049	-.00040	.00114	.08715	-.22614	-.24959	576.36367	-10.00500	-10.02251
.798	17.099	.00015	.00184	-.00075	.00034	.08275	-.24410	-.27524	575.75941	-10.02499	-10.03251
.799	19.250	.00162	.00026	-.00070	.00130	.08232	-.27001	-.31420	576.12019	-9.99500	-10.04251
GRADIENT		.00102	-.00065	-.00011	.00015	-.00415	.00144	.00278	-.03745	.00346	-.00005

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TABULATED SOURCE DATA - LA62

PAGE 231

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 31/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.974	-.00246	.00225	-.00005	-.00146	.17964	-.23943	-.26544	624.96682	-10.01499	-9.97249
.900	-2.341	.00022	-.00013	-.00002	-.00153	.16666	-.23329	-.25783	624.89825	-9.99500	-9.97249
.900	-1.205	.00125	-.00095	-.00004	-.00144	.15649	-.23049	-.25217	624.65127	-10.00500	-9.95249
.900	-.113	.00348	-.00280	-.00006	-.00127	.14812	-.22795	-.24788	624.71996	-10.00500	-9.98250
.900	.932	.00439	-.00291	-.00032	-.00106	.14110	-.22652	-.24482	624.85703	-10.01499	-9.97249
.899	2.149	.00523	-.00321	-.00047	-.00073	.13027	-.22438	-.24233	624.49100	-10.02499	-9.99250
.899	3.121	.00486	-.00257	-.00060	-.00053	.12074	-.22327	-.24060	624.43149	-10.02499	-10.00250
.899	4.180	.00460	-.00275	-.00045	-.00070	.10957	-.22319	-.24002	624.31244	-9.99500	-10.01250
.900	5.330	.00457	-.00275	-.00044	-.00054	.09976	-.22009	-.23792	624.90737	-10.01499	-10.02251
.899	6.379	.00270	-.00042	-.00072	-.00044	.09251	-.21917	-.23738	624.65038	-9.97501	-10.01250
.899	7.509	.00239	-.00029	-.00067	-.00023	.08595	-.21686	-.23560	624.05610	-9.99500	-10.02251
.899	8.537	.00145	.00104	-.00086	-.00071	.08642	-.21782	-.23893	624.54140	-9.96502	-9.98250
.899	9.646	.00190	.00110	-.00104	-.00094	.08239	-.22204	-.24114	624.34468	-9.97501	-9.99250
.898	10.748	.00034	.00330	-.00136	-.00081	.07597	-.22425	-.24272	623.80876	-9.99500	-10.00250
.900	11.799	.00033	.00020	-.00019	-.00029	.06939	-.22798	-.24541	624.63304	-9.98501	-10.00250
.899	12.972	.00092	-.00079	-.00001	.00034	.07110	-.23499	-.25404	624.05610	-9.98501	-10.00250
.899	14.067	.00087	-.00085	.00003	.00064	.07049	-.24140	-.26142	624.09748	-9.97501	-10.01250
.898	15.063	.00186	-.00115	-.00019	.00076	.06873	-.24980	-.27030	623.85926	-10.01499	-10.01250
.898	17.203	.00150	-.00130	-.00002	-.00096	.06450	-.27151	-.29694	623.75824	-10.00500	-10.00250
.899	19.424	.00245	.00058	-.00106	-.00030	.06639	-.29977	-.32969	624.45877	-10.00500	-10.01250
GRADIENT	.00091	-.00058	-.00007	.00003	.00013	-.00843	.00195	.00314	-.07589	-.00079	-.00549

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TABULATED SOURCE DATA - LA62

PAGE 282

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 26/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.996	-.00243	.00184	.00008	-.00177	.19936	-.24527	-.27231	634.94832	-10.05497	-10.06252
.921	-2.370	-.00042	-.00040	.00029	-.00210	.18496	-.24087	-.26226	634.80291	-10.04498	-10.08252
.921	-1.263	.00070	-.00092	.00013	-.00188	.17640	-.23688	-.25522	634.56019	-10.04498	-10.09252
.921	-.184	.00379	-.00303	-.00006	-.00166	.16708	-.23316	-.24979	634.57942	-10.06497	-10.11253
.921	.927	.00420	-.00271	-.00031	-.00152	.15696	-.23074	-.24687	634.76389	-10.06497	-10.11253
.921	2.033	.00340	-.00137	-.00056	-.00147	.14382	-.22759	-.24387	634.57942	-10.05497	-10.00250
.920	3.123	.00707	-.00400	-.00074	-.00131	.13150	-.22627	-.24280	634.46281	-10.06497	-10.02251
.920	4.232	.00526	-.00272	-.00065	-.00133	.11943	-.22367	-.23985	634.45320	-10.06497	-10.03251
.920	5.320	.00421	-.00197	-.00060	-.00121	.10820	-.22144	-.23811	634.49162	-10.05497	-10.04251
.920	6.397	.00310	-.00080	-.00069	-.00076	.10131	-.21968	-.23686	634.53073	-10.07496	-10.05251
.921	7.506	.00317	-.00019	-.00095	-.00046	.09476	-.21902	-.23706	634.65694	-10.07496	-10.06252
.920	8.583	.00411	.00052	-.00152	-.00088	.09289	-.22052	-.23942	634.28783	-10.08496	-10.05251
.920	9.676	.00152	.00226	-.00135	-.00164	.08044	-.22473	-.24016	634.28793	-10.10495	-10.08252
.920	10.796	.00150	.00271	-.00151	-.00079	.07161	-.22904	-.24323	634.02567	-10.12494	-10.09252
.921	11.850	.00107	.00049	-.00053	-.00013	.06398	-.23334	-.24761	635.06481	-10.13493	-10.12253
.921	12.935	.00071	-.00166	.00040	.00016	.06151	-.24121	-.25890	634.89959	-10.17491	-10.14254
.920	14.019	.00187	-.00068	-.00035	.00044	.06146	-.25247	-.27051	634.30702	-10.20490	-10.15254
.920	15.105	.00232	-.00051	-.00057	.00037	.05856	-.26497	-.28369	634.32696	-10.25487	-10.20255
.921	17.288	.00180	-.00149	-.00004	-.00019	.04787	-.28520	-.31259	634.50189	-10.03498	-10.08252
.920	19.435	.00343	-.00040	-.00101	-.00028	.04702	-.31017	-.34410	634.61786	-10.11494	-10.13253
GRADIENT	.00104	-.00054	-.00013	.00009	-.00071	.00266	.00381	-.05206	-.00202		.00749

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 283

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 22/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-4.017	-.00273	.00196	.00011	-.00141	.21958	-.26503	-.28060	647.26754	-10.00500	-10.00250
.951	-2.368	-.00159	.00105	.00010	-.00131	.19923	-.26063	-.27207	647.45927	-10.00500	-10.01250
.951	-1.264	.00156	-.00153	.00009	-.00128	.18856	-.25733	-.26831	647.51298	-10.00500	-10.00250
.951	-.178	.00185	-.00101	-.00020	-.00144	.17809	-.25449	-.26536	647.31701	-10.02499	-10.02251
.951	.933	.00360	-.00218	-.00030	-.00131	.16552	-.25012	-.26234	647.29809	-10.02499	-10.04251
.951	2.028	.00576	-.00361	-.00043	-.00134	.15087	-.24615	-.25959	647.22115	-10.02499	-9.98250
.950	3.136	.00460	-.00166	-.00081	-.00153	.13456	-.24101	-.25653	646.98296	-10.01499	-9.99250
.950	4.236	.00456	-.00191	-.00070	-.00125	.12064	-.23806	-.25480	647.07149	-10.02499	-10.01250
.950	5.347	.00274	-.00030	-.00074	-.00101	.10717	-.23838	-.25391	647.20219	-9.99500	-9.99250
.950	6.434	.00318	-.00118	-.00055	-.00111	.09565	-.23844	-.25398	647.00613	-10.02499	-9.99250
.950	7.533	.00133	.00012	-.00046	-.00048	.08587	-.23856	-.25555	647.01772	-10.01499	-10.01250
.950	8.644	.00114	-.00078	-.00066	.00044	.07753	-.24002	-.25748	647.01772	-10.01499	-10.01250
.950	9.743	.00153	.00138	-.00100	-.00037	.06682	-.24419	-.26115	646.89857	-10.02499	-10.03251
.950	10.828	.00164	.00354	-.00186	-.00043	.05819	-.25130	-.26618	647.04088	-10.02499	-10.01250
.950	11.933	.00501	.00163	-.00221	-.00016	.04947	-.26049	-.27509	646.81413	-10.03498	-10.03251
.950	13.018	.01006	-.00165	-.00259	.00052	.04122	-.27334	-.28933	647.21378	-10.03498	-10.03251
.950	14.077	.01406	-.00356	-.00317	.00138	.03864	-.28556	-.30417	646.99967	-10.00500	-10.00250
.950	15.191	.01721	-.00420	-.00397	.00163	.03584	-.29898	-.31911	646.86793	-10.01499	-10.01250
.950	17.367	.01971	-.00784	-.00347	.03005	.03005	-.33321	-.35741	647.19060	-10.02499	-10.02251
.950	19.540	.00166	-.00021	-.00063	-.00002	.02654	-.36386	-.38697	647.08307	-10.03498	-10.04251
	GRADIENT	.00101	-.00051	-.00012	.00000	-.01184	.00344	.00301	-.04622	-.09259	.00063

ORIGINAL PAGE IS
OF POOR QUALITY

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TABULATED SOURCE DATA - LAG2

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 284

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 26.0.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 18/ 0		RN/L = 3.49		GRADIENT INTERVAL = -5.00/ 5.00				Q(PSF)		ELVN-L		ELVN-R	
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2					
.980	-4.050	-.00268	.00133	.00032	-.00135	.21939	-.33564	-.35134	658.96457	-9.97377	-9.98125		
.980	-2.363	-.00136	-.00052	.00061	-.00136	.19746	-.32530	-.33605	659.25465	-9.98376	-10.00125		
.980	-1.260	.00051	-.00166	.00047	-.00137	.18577	-.32092	-.32043	659.14772	-9.98376	-10.02125		
.980	-.159	.00287	-.00331	.00038	-.00160	.17492	-.31490	-.32202	658.91866	-9.99375	-10.02125		
.980	.943	.00451	-.00348	-.00006	-.00132	.16213	-.30825	-.31563	659.22393	-10.01374	-10.04126		
.980	2.046	.00492	-.00285	-.00042	-.00134	.14780	-.30422	-.31245	659.11698	-10.03373	-10.05126		
.980	3.155	.00506	-.00236	-.00066	-.00117	.13257	-.30466	-.31301	658.78092	-10.03373	-10.03125		
.980	4.257	.00488	-.00181	-.00081	-.00134	.11871	-.30677	-.31499	658.85712	-10.02374	-9.98125		
.960	5.365	.00394	-.00107	-.00081	-.00104	.10736	-.30929	-.31761	659.17759	-10.01374	-9.99125		
.980	6.458	.00320	-.00062	-.00075	-.00098	.09449	-.31343	-.32162	658.91819	-10.02374	-10.00125		
.980	7.563	.00157	-.00149	-.00105	-.00124	.08255	-.31855	-.32684	658.88741	-10.01374	-10.02125		
.980	8.654	.00092	.00065	-.00053	-.00015	.07417	-.32624	-.33497	659.07061	-10.03373	-10.03125		
.980	9.756	-.00088	.00167	-.00036	-.00044	.06336	-.33420	-.34374	658.81120	-10.03373	-10.04126		
.980	10.850	-.00370	.00538	-.00099	-.00103	.05338	-.34529	-.35394	658.78040	-10.03373	-10.04126		
.980	11.937	-.00750	.00497	.00046	-.00106	.04278	-.36404	-.37264	659.10138	-10.01374	-10.01125		
.980	13.051	-.00766	.00241	.00150	-.00112	.03462	-.37975	-.38885	658.74958	-10.01374	-10.00125		
.980	14.153	-.00164	.00190	-.00020	-.00018	.03050	-.39681	-.40678	659.07061	-10.02374	-10.02125		
.980	15.245	.00060	-.00058	.00003	-.00003	.02629	-.41012	-.42074	659.39106	-10.02374	-10.05126		
.980	17.416	.00038	-.00279	.00093	.00005	.01551	-.44588	-.46098	659.17759	-10.02374	-10.01125		
.980	19.613	.00135	-.00016	-.00050	-.00035	.00540	-.47506	-.49740	659.16328	-10.02374	-10.02125		
.980	GRADIENT	.00104	-.00038	-.00017	.00001	-.01194	.00378	.00449	-.02799	-.00792	-.00293		

RUN NO. 14/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00				Q(PSF)		ELVN-L		ELVN-R	
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2					
1.120	-4.024	-.00332	.00175	.00028	-.00111	.19786	-.33781	-.40070	707.84780	-9.96377	-10.00125		
1.121	-2.331	-.00114	.00019	.00025	-.00120	.17328	-.33120	-.39024	708.09009	-9.98376	-10.03125		
1.121	-.118	.00272	-.00011	-.00073	-.00126	.13381	-.33667	-.37558	707.99811	-9.99375	-10.06126		
1.120	2.092	.00532	-.00026	-.00142	-.00093	.09712	-.34296	-.38185	707.78722	-10.03373	-10.03125		
1.121	4.306	.00521	.00003	-.00150	-.00094	.06843	-.34922	-.38642	708.02952	-10.01374	-10.03125		
1.121	6.497	.00365	.00167	-.00168	-.00073	.04469	-.35805	-.39202	707.86128	-10.03373	-10.03125		
1.121	8.696	.00151	.00284	-.00151	-.00030	.02699	-.36350	-.38582	708.40860	-10.02374	-10.04126		
1.120	10.897	.00028	.00366	-.00147	-.00020	.01721	-.37520	-.38534	707.66809	-10.03373	-10.03125		
1.120	13.108	-.00065	.00155	-.00040	.00006	.01060	-.38867	-.39387	707.89493	-10.02374	-10.04126		
1.120	15.320	.00034	-.00031	.00002	.00026	-.00180	-.41394	-.42313	708.00243	-10.02374	-10.04126		
1.120	17.520	.00236	-.00145	-.00016	.00024	-.01279	-.44368	-.46346	707.79127	-10.01374	-10.07126		
1.120	19.699	.00160	.00042	-.00064	-.00049	-.01650	-.45401	-.47342	707.70126	-10.02374	-10.04126		
1.120	GRADIENT	.00111	-.00018	-.00025	.00003	-.01589	-.00170	.00167	.00182	-.00705	-.00263		

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 285

(AJ3003) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 7/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.990	.00003	.00202	-.00077	-.00118	.18189	-.35270	-.40920	730.20850	-10.02374	-9.99125
1.201	-2.312	.00185	-.00048	-.00033	-.00112	.15053	-.34263	-.40895	729.99141	-9.96377	-10.04126
1.200	-1.202	.00455	-.00187	-.00055	-.00100	.13103	-.33990	-.40517	729.79193	-9.94379	-10.04126
1.201	-.099	.00610	-.00177	-.00101	-.00124	.11231	-.34048	-.40013	730.37305	-10.03373	-10.00125
1.201	1.003	.00705	-.00224	-.00110	-.00106	.09471	-.34477	-.40226	730.33609	-10.02374	-10.04126
1.201	2.102	.00871	-.00304	-.00126	-.00104	.07903	-.34990	-.40342	730.12123	-10.00375	-10.06126
1.201	3.201	.00854	-.00226	-.00151	-.00117	.06450	-.35414	-.40496	730.25106	-10.04372	-10.00125
1.201	4.308	.00739	-.00145	-.00150	-.00116	.05146	-.35873	-.40684	730.33052	-10.02374	-9.97125
1.200	5.407	.00683	-.00088	-.00156	-.00108	.03992	-.36049	-.40775	730.14462	-10.00375	-10.00125
1.200	6.496	.00622	-.00058	-.00151	-.00065	.02839	-.36048	-.40967	730.07293	-10.00375	-10.03125
1.201	7.590	.00544	.00017	-.00159	-.00071	.01858	-.36211	-.40901	730.59233	-10.00375	-10.03125
1.201	8.709	.00477	.00095	-.00169	-.00092	.01124	-.36907	-.40621	730.47377	-10.02374	-10.03125
1.201	9.802	.00342	.00224	-.00181	-.00077	.00572	-.37585	-.39979	730.15813	-10.01374	-10.02125
1.200	10.907	.00358	.00211	-.00181	-.00087	.00131	-.38267	-.39920	729.97215	-10.01374	-10.06126
1.200	12.004	.00333	.00156	-.00153	-.00072	-.00401	-.39224	-.39940	730.21630	-10.04372	-10.06126
1.201	13.123	.00267	.00133	-.00126	-.00067	-.01032	-.40303	-.41036	730.38088	-10.03373	-10.06126
1.200	14.215	.00349	.00016	-.00105	-.00042	-.01651	-.41268	-.42254	730.21630	-10.01374	-10.03125
1.200	15.328	.00272	-.00070	-.00052	-.00033	-.02171	-.42155	-.43662	730.15238	-10.04372	-10.04126
1.201	17.528	.00352	.00107	-.00142	-.00130	-.03222	-.42951	-.44958	730.25887	-10.06371	-9.94124
1.200	19.735	.00363	.00054	-.00127	-.00081	-.03448	-.43637	-.45738	730.00299	-10.05372	-10.07126
GRADIENT		.00103	-.00040	-.00013	.00000	-.01575	-.00127	.00043	.03032	-.00546	.00208

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 286

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 50/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.709	.00045	-.00107	.00021	.00156	.07707	-.21085	-.24440	461.49564	-4.99938	-4.97249
.601	-2.174	.00149	-.00309	.00052	.00118	.07380	-.20909	-.24121	462.65799	-5.00937	-4.96248
.601	-1.114	.00203	-.00356	.00046	.00120	.07201	-.20921	-.23847	462.40404	-5.00937	-4.97249
.600	-.048	.00418	-.00578	.00037	.00135	.07060	-.20869	-.23645	462.07527	-5.00937	-4.96248
.600	.999	.00427	-.00508	.00006	.00147	.06984	-.20830	-.23387	461.82126	-5.01937	-4.96248
.601	2.054	.00581	-.00672	.00001	.00155	.06885	-.20684	-.23118	462.74428	-4.96938	-4.97249
.600	3.135	.00540	-.00561	-.00024	.00165	.06739	-.20602	-.22836	462.32761	-4.96938	-4.97249
.600	4.204	.00535	-.00556	-.00024	.00154	.06658	-.20402	-.22620	462.24953	-4.97938	-4.97249
.600	5.249	.00447	-.00467	-.00019	.00140	.06592	-.20377	-.22459	462.41392	-4.97938	-4.99250
.600	6.301	.00386	-.00363	-.00032	.00159	.06516	-.20262	-.22210	462.33419	-4.95938	-5.03252
.600	7.359	.00344	-.00330	-.00026	.00125	.06463	-.20325	-.22256	462.08184	-4.95938	-5.02251
.601	8.414	.00287	-.00247	-.00033	.00089	.06368	-.20339	-.22252	462.49693	-5.01937	-5.00250
.600	9.489	.00222	-.00138	-.00046	.00100	.06306	-.20465	-.22430	461.99717	-4.99938	-5.01251
.600	10.544	.00189	-.00067	-.00059	.00075	.06411	-.20648	-.22697	462.08184	-4.99938	-5.03252
.601	11.622	.00141	.00008	-.00066	.00081	.06545	-.20952	-.23114	462.83387	-4.96938	-4.99250
.600	12.688	.00060	-.00298	.00086	.00132	.06022	-.21567	-.23814	462.08348	-4.98938	-5.05253
.600	13.751	.00073	-.00073	-.00005	.00155	.05350	-.22413	-.24809	462.16487	-5.01937	-4.97249
.601	14.805	.00016	-.00197	.00067	.00198	.05102	-.22922	-.25498	462.83552	-4.99938	-5.01251
.600	16.972	.00247	-.00017	-.00106	.00197	.04139	-.24771	-.28702	461.66337	-5.00937	-5.05253
.600	19.078	.00216	.00035	-.00113	-.00025	.03524	-.27611	-.33034	461.99717	-5.06937	-4.99250
GRADIENT		.00071	-.00058	-.00009	.00003	-.00126	.00076	.00233	.05231	.00471	-.00155

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 287

LARC 9FT TPT 717(LA-62) 140C ORBITER

(AJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 43/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.794	-.00235	.00117	.00046	.00028	.08693	-.21150	-.24463	523.70620	-5.01749	-5.00125
.701	-2.243	.00049	-.00166	.00044	.00062	.08171	-.21016	-.23955	524.00935	-4.98751	-4.95124
.702	-1.178	.00143	-.00249	.00040	.00076	.07853	-.20855	-.23611	524.63829	-5.00750	-4.97124
.701	-.094	.00380	-.00482	.00036	.00065	.07692	-.20866	-.23451	524.24238	-5.00750	-5.02126
.701	.956	.00376	-.00449	.00025	.00061	.07558	-.20643	-.22970	524.32549	-5.01749	-5.03126
.701	2.024	.00631	-.00616	-.00010	.00078	.07390	-.20520	-.22623	524.40860	-4.96752	-4.96124
.701	3.111	.00510	-.00477	-.00016	.00067	.07229	-.20440	-.22412	523.47633	-4.97751	-4.96124
.700	4.157	.00506	-.00459	-.00022	.00064	.07137	-.20336	-.22281	523.07688	-4.98751	-5.02126
.701	5.228	.00387	-.00348	-.00018	.00066	.07024	-.20163	-.22076	523.61981	-4.98751	-5.03126
.701	6.308	.00373	-.00291	-.00034	.00053	.06910	-.20015	-.21853	523.92950	-4.99750	-5.02126
.701	7.373	.00297	-.00171	-.00051	.00058	.06795	-.19905	-.21669	523.69643	-4.98751	-5.03126
.701	8.446	.00236	-.00108	-.00051	.00066	.06581	-.19926	-.21661	523.53994	-4.98751	-4.98125
.701	9.523	.00173	.00015	-.00073	.00082	.06502	-.20019	-.21784	523.46657	-5.00750	-4.99125
.700	10.604	.00131	.00060	-.00074	.00095	.06265	-.20396	-.22161	523.7363	-4.98751	-5.00125
.701	11.658	.00063	.00217	-.00107	-.00013	.05868	-.21074	-.22879	523.37693	-4.99750	-5.02126
.701	12.728	.00147	.00156	-.00117	-.00047	.05621	-.21576	-.23664	523.23017	-4.98751	-4.98125
.701	13.794	.00189	.00181	-.00144	-.00047	.05364	-.22437	-.24878	523.77304	-4.99750	-5.02126
.700	14.873	.00207	.00162	-.00144	-.00009	.05283	-.23280	-.26336	522.77024	-5.00750	-5.01125
.700	17.060	.00175	.00165	-.00133	-.00058	.04237	-.25831	-.30134	522.85339	-4.93750	-5.02126
.701	19.194	.00111	.00321	-.00167	-.00278	.04114	-.28973	-.34404	523.87571	-5.01749	-5.02126
GRADIENT		.00097	-.00073	-.00010	.00003	-.00186	.00105	.00285	-.07671	.00402	-.00165

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 288

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 36/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-3.867	-.00146	.00006	.00049	-.00034	.09671	-.21943	-.24833	576.44331	-4.96752	-5.00125
.800	-2.302	-.00044	-.00169	.00079	-.00027	.08988	-.21688	-.24274	577.54151	-4.96752	-5.02126
.800	-1.264	.00187	-.00363	.00072	.00001	.08475	-.21538	-.23841	577.53521	-4.97751	-5.01125
.800	-.134	.00374	-.00399	.00020	.00029	.08106	-.21426	-.23461	576.84587	-4.98751	-5.03126
.799	1.197	.00501	-.00545	.00031	.00027	.07862	-.21074	-.22893	576.77879	-5.00750	-5.02126
.799	2.012	.00465	-.00434	.00002	.00018	.07688	-.20909	-.22607	576.79762	-5.00750	-5.02126
.799	3.108	.00624	-.00573	-.00002	.00026	.07483	-.20760	-.22445	576.77879	-5.01749	-5.02126
.800	4.190	.00463	-.00394	-.00013	.00040	.07299	-.20492	-.22109	577.07220	-4.99750	-5.02126
.800	5.342	.00398	-.00294	-.00028	.00034	.06993	-.20370	-.22014	577.48077	-5.00750	-5.02126
.799	6.400	.00306	-.00300	.00006	.00041	.06617	-.20371	-.22019	576.16856	-5.00750	-5.02126
.799	7.481	.00240	-.00213	-.00004	.00108	.06114	-.20410	-.21976	576.23569	-5.01749	-5.01125
.799	8.548	.00222	-.00144	-.00024	.00112	.05951	-.20432	-.21956	576.79762	-4.98751	-5.02126
.800	9.679	.00127	-.00052	-.00026	.00079	.05970	-.20765	-.22232	577.05335	-4.99750	-5.03126
.799	10.666	.00061	.00040	-.00037	.00074	.06016	-.21117	-.22625	576.67597	-4.98751	-5.04126
.799	11.747	.00082	.00046	-.00047	.00006	.06034	-.21684	-.23272	576.44331	-4.99750	-5.05126
.799	12.827	-.00009	.00175	-.00063	-.00009	.05882	-.22304	-.24214	576.65089	-4.98751	-5.06127
.800	13.943	-.00007	.00173	-.00063	-.00020	.05577	-.23365	-.25907	577.05864	-5.00750	-5.05126
.799	15.019	.00016	.00150	-.00063	-.00018	.05171	-.24596	-.27776	575.89998	-5.01749	-5.06127
.799	17.215	.00053	.00151	-.00077	-.00086	.04283	-.27036	-.31168	576.26072	-5.06747	-5.06127
.799	19.444	.00174	.00081	-.00095	.00107	.03836	-.29748	-.35173	576.27323	-5.06747	-5.11128
GRADIENT		.00092	-.00057	-.00011	.00009	-.00285	.00180	.00345	-.01366	-.00606	-.00180

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TABULATED SOURCE DATA - LA62

PAGE 289

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = -5.000 AILRON = .000

RUN NO. 30/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-3.907	-.00353	.00075	.00086	-.00113	.12161	-.24364	-.27066	624.48190	-4.99750	-5.04126
.900	-2.313	-.00021	-.00219	.00090	-.00074	.10928	-.23948	-.26437	624.83879	-4.99750	-4.99125
.899	-1.174	.00027	-.00169	.00055	-.00034	.09984	-.23770	-.26061	624.54140	-5.00750	-5.01125
.900	-.121	.00189	-.00289	.00048	-.00032	.09320	-.23441	-.25381	624.93473	-5.00750	-5.00125
.899	1.002	.00413	-.00452	.00038	-.00022	.08578	-.23291	-.25058	624.22564	-5.00750	-4.97124
.899	2.097	.00560	-.00511	.00013	-.00004	.07754	-.23049	-.24715	624.66038	-4.97751	-4.97124
.899	3.290	.00405	-.00308	-.00014	-.00029	.06748	-.22977	-.24544	624.22564	-4.97751	-4.98125
.899	4.322	.00292	-.00246	-.00001	.00007	.06068	-.22618	-.24148	624.74719	-4.98751	-5.00125
.899	5.318	.00309	-.00299	.00013	.00037	.05690	-.22642	-.24173	624.43149	-4.98751	-5.01125
.899	6.449	.00308	-.00203	-.00023	.00115	.05445	-.22401	-.23983	624.49100	-4.99750	-5.00125
.899	7.500	.00191	-.00123	-.00016	-.00003	.05273	-.22337	-.23969	624.52319	-4.98751	-5.00125
.898	8.620	.00183	-.00104	-.00021	-.00005	.05151	-.22598	-.24207	623.53792	-4.98751	-5.00125
.899	9.870	.00028	.00249	-.00103	-.00028	.04984	-.22808	-.24301	624.36287	-5.00750	-5.01125
.899	10.737	.00024	.00074	-.00036	-.00074	.04597	-.23276	-.24768	624.28516	-4.97751	-5.02126
.899	11.824	-.00048	-.00113	.00058	-.00070	.04327	-.23791	-.25418	624.00562	-4.99750	-5.02126
.899	13.017	-.00073	-.00125	.00072	.00016	.04058	-.24618	-.26441	624.43149	-5.02749	-5.04126
.899	13.981	.00102	-.00248	.00060	.00024	.03729	-.25650	-.27582	624.41329	-4.94753	-5.01125
.899	15.114	.00035	.00027	-.00022	.00053	.03378	-.26646	-.28663	624.07426	-4.95752	-5.03126
.899	17.287	.00068	.00009	-.00027	-.00145	.02804	-.28648	-.31309	624.07426	-4.99750	-5.00125
.898	19.472	.00193	.00158	-.00126	-.00031	.02983	-.31203	-.34261	623.84503	-5.07746	-5.09127
GRADIENT		.00089	-.00041	-.00013	.00012	-.00736	.00201	.00358	-.01526	.00262	.00517

RUN NO. 13/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-3.982	-.00434	.00387	-.00023	-.00116	.14852	-.33813	-.37261	708.04522	-4.99688	-4.99062
1.120	-2.281	-.00184	.00196	-.00022	-.00116	.12594	-.33648	-.36049	707.65037	-4.99688	-5.02063
1.121	-.060	.00183	.00046	-.00070	-.00052	.09050	-.34163	-.35510	708.07438	-4.96690	-5.03063
1.120	2.149	.00513	-.00085	-.00114	-.00089	.05629	-.34649	-.35664	707.60747	-4.97689	-4.97062
1.121	4.350	.00468	-.00040	-.00119	.00011	.02958	-.35087	-.35377	708.57204	-4.96690	-5.03063
1.120	6.537	.00328	.00103	-.00133	-.00011	.00920	-.35947	-.36426	707.59183	-5.03685	-5.04063
1.120	8.715	.00098	.00267	-.00129	-.00016	-.00303	-.36631	-.36874	707.56250	-5.02686	-5.03063
1.121	10.937	-.00024	.00412	-.00149	-.00032	-.01126	-.37321	-.37649	708.54302	-5.02686	-5.00063
1.122	13.125	-.00135	.00112	-.00003	-.00011	-.01832	-.39347	-.40230	708.46423	-5.00687	-4.99062
1.121	15.339	-.00027	.00001	.00008	.00036	-.03223	-.41448	-.42565	708.13494	-5.02686	-4.99062
1.121	17.547	.00049	-.00083	.00017	.00061	-.04286	-.43827	-.45000	707.96895	-5.04685	-5.00063
1.120	19.725	.00108	-.00067	-.00007	.00025	-.04414	-.44777	-.46953	707.84990	-5.03685	-5.05063
	GRADIENT	.00112	-.00053	-.00014	.00013	-.01458	-.00171	.00143	.05067	.00378	-.00128

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TABULATED SOURCE DATA - LA62

PAGE 290

LARC 6FT TPT 717(LA-62) 140C ORBITER

(AJ3004) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 6/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.921	.00012	.00114	-.00046	-.00117	.14026	-.34792	-.41388	730.05934	-4.97689	-4.98062
1.201	-2.269	.00183	-.00035	-.00037	-.00117	.11261	-.34197	-.38683	730.35179	-4.97689	-5.02063
1.201	-1.160	.00429	-.00185	-.00048	-.00112	.09478	-.34267	-.36750	730.32821	-4.98688	-5.00063
1.201	-.059	.00535	-.00231	-.00060	-.00136	.07719	-.34487	-.35983	730.24874	-5.01686	-5.02063
1.201	1.051	.00707	-.00285	-.00088	-.00104	.06072	-.34725	-.35771	730.14804	-4.98688	-5.03063
1.201	2.142	.00808	-.00346	-.00092	-.00110	.04562	-.34875	-.35706	730.17941	-4.98688	-5.03063
1.201	3.247	.00821	-.00300	-.00113	-.00106	.03203	-.35119	-.35788	730.20850	-4.99688	-5.01063
1.201	4.345	.00746	-.00239	-.00116	-.00115	.01967	-.35521	-.36124	730.17941	-4.99688	-4.99062
1.201	5.433	.00594	-.00120	-.00119	-.00112	.00763	-.35901	-.36545	730.27233	-4.99688	-5.02063
1.201	6.530	.00539	-.00082	-.00119	-.00078	-.00164	-.36444	-.37150	730.28015	-4.97689	-5.01063
1.200	7.629	.00461	-.00008	-.00126	-.00041	-.00977	-.36918	-.37687	730.12331	-5.00687	-5.02063
1.200	8.714	.00360	.00077	-.00130	-.00104	-.01508	-.37276	-.38085	730.03800	-4.99688	-5.02063
1.200	9.816	.00279	.00095	-.00114	-.00079	-.01992	-.37711	-.38508	730.04571	-5.01686	-5.03063
1.200	10.934	.00244	.00284	-.00176	-.00134	-.02429	-.38534	-.39134	730.28221	-5.01686	-4.99062
1.200	12.032	.00190	.00211	-.00134	-.00119	-.02984	-.39401	-.40041	729.85177	-5.00687	-5.03063
1.200	13.146	.00238	.00162	-.00129	-.00119	-.03564	-.40068	-.40929	730.34613	-4.99688	-5.02063
1.200	14.236	.00184	.00048	-.00071	-.00072	-.04104	-.40582	-.41806	730.13106	-4.99688	-5.00063
1.200	15.349	.00293	-.00090	-.00050	-.00056	-.04654	-.41193	-.42157	730.23183	-5.02686	-5.04063
1.200	17.555	.00344	.00028	-.00110	-.00105	-.05786	-.42352	-.43611	730.06706	-5.02686	-5.02063
1.200	19.742	.00365	.00020	-.00115	-.00079	-.05625	-.43309	-.45701	729.92355	-5.04685	-5.01063
GRADIENT		.00101	-.00046	-.00011	.00001	-.01467	-.00116	.00596	-.00268	-.00222	-.00149

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 291

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 52/ 0		RN/L = 3.50		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.696	-.00083	.00035	.00023	.00046	.05520	-.21576	-.25206	462.91521	-2.49969	-2.49125
.601	-2.133	.00060	-.00182	.00043	.00037	.05222	-.21402	-.24593	462.99820	-2.49969	-2.50125
.601	-1.088	.00275	-.00371	.00020	.00053	.05124	-.21368	-.24407	462.99820	-2.49969	-2.50125
.601	-.023	.00371	-.00467	.00015	.00047	.05033	-.21329	-.24185	462.41063	-2.50969	-2.50125
.600	1.024	.00530	-.00558	-.00020	.00069	.04971	-.21261	-.23898	462.41227	-2.50969	-2.50125
.601	2.095	.00441	-.00452	-.00021	.00073	.04854	-.21130	-.23580	462.66128	-2.51969	-2.50125
.601	3.154	.00474	-.00475	-.00027	.00053	.04752	-.21028	-.23326	462.66293	-2.50969	-2.50125
.600	4.208	.00521	-.00515	-.00033	.00033	.04704	-.21035	-.23251	462.15665	-2.50969	-2.50125
.600	5.270	.00444	-.00441	-.00028	.00031	.04609	-.20902	-.23036	461.74478	-2.49969	-2.51126
.601	6.328	.00322	-.00280	-.00035	.00037	.04522	-.20717	-.22747	462.40898	-2.50969	-2.51126
.600	7.371	.00323	-.00266	-.00041	.00005	.04423	-.20631	-.22722	462.24295	-2.49969	-2.51126
.600	8.441	.00194	-.00098	-.00049	.00010	.04290	-.20737	-.22769	461.99553	-2.50969	-2.52125
.601	9.521	.00267	-.00169	-.00054	.00000	.04228	-.20914	-.22941	462.91191	-2.49969	-2.49125
.600	10.573	.00149	-.00012	-.00062	.00016	.04349	-.21107	-.23188	462.08020	-2.49969	-2.50125
.601	11.651	.00149	.00036	-.00080	.00006	.04408	-.21334	-.23546	462.66788	-2.49969	-2.51126
.601	12.708	-.00178	-.00470	.00257	.00203	.03795	-.22060	-.24471	462.74758	-2.48969	-2.48124
.600	13.786	.00051	-.00056	-.00002	.00097	.03195	-.22842	-.25319	462.41392	-2.49969	-2.49125
.600	14.850	-.00014	-.00187	.00077	.00197	.02955	-.23482	-.26470	461.58196	-2.51969	-2.51126
.600	16.985	.00116	.00231	-.00140	.00157	.01899	-.25623	-.29991	461.66501	-2.51969	-2.52125
.600	19.122	.00213	.00076	-.00127	-.00028	.01241	-.28621	-.34461	462.16322	-2.51969	-2.44122
.600	GRADIENT	.00076	-.00063	-.00010	.00001	-.00098	.00070	.00248	-.08559	-.00194	-.00081

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 292

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 45/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLB	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.804	-.00144	-.00055	.00076	.00013	.06067	-.21764	-.25217	524.00283	-2.47907	-2.49093
.701	-2.215	.00072	-.00323	.00094	.00049	.05630	-.21585	-.24694	524.31895	-2.47907	-2.50094
.701	-1.145	.00172	-.00369	.00074	.00048	.05434	-.21375	-.24261	524.32222	-2.46907	-2.50094
.702	-.081	.00315	-.00461	.00053	.00051	.05314	-.21308	-.23985	524.47863	-2.47907	-2.51094
.702	.981	.00638	-.00726	.00030	.00050	.05193	-.21235	-.23656	524.79140	-2.46907	-2.51094
.701	2.060	.00582	-.00594	-.00003	.00084	.05078	-.21052	-.23224	524.17232	-2.47907	-2.50094
.701	3.132	.00631	-.00606	-.00014	.00062	.04971	-.20862	-.22899	524.40533	-2.48907	-2.52095
.702	4.200	.00392	-.00328	-.00027	.00042	.04877	-.20681	-.22582	524.80122	-2.49906	-2.51094
.702	5.267	.00444	-.00425	-.00010	.00052	.04754	-.20544	-.22373	524.48844	-2.47907	-2.51094
.702	6.339	.00252	-.00168	-.00034	.00035	.04679	-.20443	-.22196	525.11067	-2.47907	-2.52095
.702	7.414	.00414	-.00354	-.00027	.00029	.04472	-.20334	-.22075	524.48517	-2.48907	-2.52095
.701	8.488	.00242	-.00089	-.00060	.00033	.04296	-.20404	-.22160	524.25870	-2.47907	-2.51094
.702	9.557	.00221	-.00012	-.00082	.00029	.04142	-.20508	-.22277	524.64157	-2.46907	-2.51094
.701	10.640	.00274	-.00081	-.00076	-.00025	.03977	-.20912	-.22712	523.93276	-2.46907	-2.54095
.701	11.694	.00201	.00081	-.00110	-.00063	.03674	-.21625	-.23466	524.08921	-2.46907	-2.61098
.701	12.753	.00202	-.00034	-.00067	.00061	.03368	-.22230	-.24356	523.31331	-2.47907	-2.56096
.701	13.836	.00273	-.00013	-.00103	.00059	.02942	-.23184	-.25960	524.08594	-2.48907	-2.56096
.701	14.906	.00244	.00060	-.00120	.00113	.02790	-.24174	-.27500	523.77629	-2.48907	-2.51094
.701	17.079	.00273	.00065	-.00135	.00134	.01579	-.26840	-.31420	524.40206	-2.55904	-2.57096
.702	19.235	.00261	.00121	-.00152	-.00074	.01427	-.29713	-.35441	524.71812	-2.56904	-2.58097
GRADIENT		.00088	-.00047	-.00016	.00004	-.00139	.00131	.00330	.06433	-.00217	-.00261

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 293

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3005) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 38/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-3.831	-.00236	.00054	.00062	-.00066	.07088	-.22324	-.25321	576.46210	-2.48876	-2.49062
.800	-2.245	-.00087	-.00127	.00078	-.00042	.06566	-.22219	-.24804	577.52891	-2.46877	-2.50063
.800	-1.138	.00088	-.00254	.00066	.00006	.06202	-.21965	-.24334	577.40116	-2.48876	-2.50063
.800	-.084	.00249	-.00420	.00072	.00015	.05974	-.21821	-.23921	577.21260	-2.48876	-2.50063
.800	1.066	.00364	-.00335	.00000	.00025	.05771	-.21624	-.23563	577.00513	-2.50875	-2.49062
.799	2.106	.00397	-.00419	.00019	.00010	.05606	-.21391	-.23155	576.65716	-2.49875	-2.50063
.800	3.141	.00503	-.00429	-.00014	.00022	.05429	-.21198	-.22867	577.12669	-2.50875	-2.50063
.799	4.280	.00339	-.00235	-.00030	.00031	.05193	-.21046	-.22650	576.37620	-2.50875	-2.50063
.799	5.373	.00309	-.00233	-.00020	.00036	.04924	-.20801	-.22324	576.36993	-2.49875	-2.50063
.799	6.487	.00327	-.00330	.00010	.00054	.04499	-.20773	-.22241	576.79134	-2.48876	-2.51063
.799	7.552	.00286	-.00228	-.00015	.00049	.04181	-.20933	-.22374	576.50415	-2.51874	-2.51063
.799	8.603	.00145	-.00040	-.00036	.00039	.04033	-.20861	-.22356	576.60259	-2.52874	-2.54064
.739	9.666	.00074	.00068	-.00052	-.00008	.04094	-.21214	-.22708	576.64462	-2.53873	-2.54064
.799	10.730	-.00043	.00195	-.00059	-.00030	.04203	-.21636	-.23182	576.65716	-2.56872	-2.52063
.799	11.781	-.00058	.00225	-.00064	-.00073	.04183	-.22088	-.23768	576.59633	-2.50875	-2.55064
.799	12.954	-.00030	.00211	-.00069	-.00106	.03911	-.23055	-.25099	576.24821	-2.51874	-2.53063
.800	13.989	-.00161	.00339	-.00070	-.00065	.03465	-.23951	-.26585	577.06592	-2.51874	-2.55064
.799	15.063	-.00082	.00261	-.00069	-.00024	.02811	-.25483	-.28861	576.23569	-2.56872	-2.56064
.799	17.269	-.00037	.00226	-.00073	-.00119	.01657	-.28194	-.32441	576.53379	-2.55872	-2.58065
.800	19.375	.00081	.00175	-.00096	.00110	.01351	-.30664	-.36484	577.06512	-2.69865	-2.60065
GRADIENT		.00086	-.00043	-.00014	.00011	-.00223	.00168	.00342	-.04670	-.00402	-.00067

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TABULATED SOURCE DATA - LA62

PAGE 294

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BRFP = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 47/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.726	-.00026	-.00043	.00028	-.00004	.03214	-.22173	-.25789	462.99655	-3.03886	.00000
.601	-2.145	.00153	-.00204	.00011	.00001	.03065	-.22075	-.25333	463.57567	.01000	.01001
.601	-1.110	.00355	-.00490	.00031	-.00028	.02972	-.21986	-.25063	462.99159	.00000	.01001
.601	-.035	.00421	-.00423	-.00023	.00018	.02862	-.22020	-.24910	462.98994	.00000	.00000
.601	1.011	.00530	-.00551	-.00022	.00027	.02799	-.21799	-.24640	462.99324	.00000	.00000
.601	2.068	.00580	-.00545	-.00046	.00015	.02672	-.21710	-.24331	463.08118	-.01000	.01001
.601	3.130	.00596	-.00565	-.00046	.00005	.02586	-.21630	-.24148	463.32513	.00000	.02002
.600	4.205	.00569	-.00502	-.00059	-.00007	.02485	-.21607	-.24014	462.07034	.01000	.03003
.601	5.257	.00410	-.00266	-.00079	.00012	.02384	-.21379	-.23699	462.57334	-.01000	-.02001
.601	6.332	.00517	-.00410	-.00072	-.00005	.02262	-.21218	-.23351	463.07622	.00000	-.02001
.601	7.336	.00419	-.00262	-.00085	-.00031	.02139	-.21302	-.23387	462.40239	-.01000	-.03001
.601	8.444	.00252	-.00065	-.00086	-.00032	.01973	-.21239	-.23288	462.99159	-.01999	.00000
.601	9.506	.00270	-.00055	-.00098	-.00030	.01873	-.21354	-.23453	462.74263	-.01000	-.03001
.601	10.575	.00231	-.00010	-.00099	-.00040	.01984	-.21511	-.23777	463.32845	-.03999	.03001
.601	11.645	.00150	.00136	-.00118	-.00020	.02027	-.21821	-.24138	462.91191	-.02999	-.05002
.601	12.677	-.00019	-.00416	.00166	.00205	.01578	-.22469	-.25053	463.15258	-.02999	.01001
.601	13.767	-.00076	-.00330	.00159	.00257	.01232	-.23203	-.26122	463.07953	-.01000	.00000
.601	14.834	.00043	-.00171	.00045	.00223	.00848	-.24054	-.27550	462.41063	-.01999	-.02001
.601	16.968	.00238	.00165	-.00171	.00124	-.00373	-.26670	-.31553	462.99655	-.01000	.01001
.601	19.113	.00240	.00128	-.00159	-.00044	-.00925	-.29023	-.34555	463.07787	.00000	-.03001
	GRADIENT	.00073	-.00059	-.00012	.00001	-.00092	.06078	.00226	-.07748	.24717	.00280

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TABULATED SOURCE DATA - LA62

PAGE 295

LARC BFT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 40/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.762	-.00181	.00024	.00061	-.00041	.03814	-.22286	-.25791	523.47308	-.03998	-.02001
.701	-2.183	-.00030	-.00134	.00062	-.00016	.03480	-.22114	-.25244	523.62632	-.01000	.00000
.700	-1.105	.00187	-.00360	.00064	-.00040	.03349	-.22152	-.25035	522.46675	-.01000	.00000
.701	-.053	.00251	-.00312	.00021	-.00009	.03238	-.21883	-.24638	524.09900	.02999	-.02001
.701	1.005	.00418	-.00428	.00001	.00001	.03170	-.21748	-.24280	524.09900	.00000	-.02001
.701	2.082	.00513	-.00514	-.00003	-.00012	.02999	-.21544	-.23795	523.62958	.00000	-.02001
.701	3.149	.005	-.00492	-.00024	-.00012	.02908	-.21442	-.23574	523.55621	.00000	-.03001
.701	4.230	.00391	-.00287	-.00042	-.00025	.02759	-.21278	-.23305	523.86593	.00000	-.02001
.701	5.280	.00325	-.00233	-.00038	-.00036	.02624	-.21115	-.23115	523.48283	.00000	.01001
.701	6.372	.00293	-.00200	-.00038	-.00044	.02456	-.20971	-.22850	524.01914	.00000	.00000
.700	7.437	.00154	.00015	-.00066	-.00058	.02228	-.20933	-.22726	523.16327	.01000	.00000
.701	8.522	.00131	.00053	-.00071	-.00036	.02033	-.20880	-.22685	523.70620	.00000	-.03001
.700	9.581	.00155	.00069	-.00087	-.00024	.01917	-.21102	-.22909	523.07363	.01000	-.04001
.700	10.669	.00049	.00154	-.00078	-.00066	.01796	-.21475	-.23313	522.45704	.01999	-.05001
.700	11.706	-.00004	.00299	-.00111	-.00138	.01691	-.22134	-.24087	522.84691	.02999	.00000
.701	12.787	.00017	.00275	-.00111	-.00102	.01451	-.22782	-.25326	523.78281	.02999	-.01000
.700	13.873	.00126	.00244	-.00143	-.00111	.01217	-.23667	-.26781	522.83718	.01999	-.04001
.700	14.934	.00090	.00283	-.00143	-.00025	.01127	-.24659	-.28263	522.84366	.01000	-.07002
.700	17.105	.00032	.00298	-.00126	.00015	-.00463	-.27701	-.32608	523.01320	.04998	.00000
.701	19.260	.00022	.00598	-.00235	-.00398	-.00189	-.30527	-.36297	523.71596	-.02999	.00000
GRADIENT		.00087	-.00050	-.00015	.00003	-.00123	.00132	.00320	.06147	.00375	-.00212

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 296

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 33/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-3.794	-.00319	.00135	.00061	-.00143	.04681	-.22967	-.26040	576.79134	-.01999	.01001
.800	-2.197	-.00033	-.00072	.00039	-.00098	.04291	-.22759	-.25547	577.25450	-.01999	.00000
.800	-.939	.00154	-.00314	.00065	-.00100	.04004	-.22493	-.24928	577.46189	-.01000	.02002
.800	-.067	.00232	-.00349	.00051	-.00087	.03844	-.22372	-.24579	577.04079	.00000	.03003
.799	.978	.00253	-.00279	.00017	-.00067	.03653	-.22141	-.24147	576.63835	-.01999	.03003
.800	2.167	.00444	-.00420	.00004	-.00071	.03496	-.21859	-.23716	576.91294	-.01000	.02002
.799	3.181	.00430	-.00330	-.00026	-.00070	.03342	-.21704	-.23468	576.29029	-.02999	.02002
.799	4.291	.00457	-.00357	-.00025	-.00089	.03118	-.21455	-.23192	576.77879	.00000	.02002
.800	5.393	.00371	-.00225	-.00045	-.00078	.02846	-.21346	-.22961	576.77252	.00000	.01001
.799	6.380	.00249	-.00214	-.00007	-.00062	.02443	-.21196	-.22732	576.36993	.00000	.00000
.799	7.520	.00177	-.00042	-.00047	-.00086	.02176	-.21328	-.22903	576.51669	-.01000	.01001
.800	8.578	.00091	.00079	-.00062	-.00122	.02101	-.21458	-.23018	577.07220	-.01000	-.05001
.799	9.782	.00057	.00153	-.00078	-.00160	.02173	-.21687	-.23261	576.36993	.00000	-.09002
.799	10.744	-.00020	.00229	-.00080	-.00163	.02337	-.22175	-.23828	576.45584	-.03998	-.12003
.799	11.782	-.00051	.00283	-.00085	-.00193	.02231	-.22760	-.24548	576.09517	-.03998	-.01000
.799	12.913	-.00107	.00367	-.00101	-.00206	.01984	-.23512	-.25730	576.43078	-.11994	-.06002
.799	13.936	-.00072	.00307	-.00090	-.00154	.01545	-.24505	-.27371	576.45584	-.10995	-.11003
.800	15.057	-.00051	.00271	-.00084	-.00060	.00566	-.25856	-.29459	577.07848	-.02999	-.04001
.800	17.158	-.00143	.00411	-.00103	-.00205	-.00791	-.28701	-.33159	577.12041	-.02999	.02002
.798	19.381	.00094	.00203	-.00112	.00007	-.00835	-.30738	-.36121	575.85155	-.06997	-.02001
	GRADIENT	.00094	-.00055	-.00012	.00007	-.00186	.00191	.00367	-.06793	.00080	.00182

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 297

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 27/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-3.827	-.00438	.00263	.00042	-.00167	.05677	-.25149	-.28085	624.66949	.00000	.01001
.900	-2.242	-.00097	-.00111	.00073	-.00126	.04708	-.24876	-.27461	624.89825	.01000	-.03001
.899	-1.144	.00073	-.00274	.00080	-.00099	.04042	-.24459	-.26734	624.62821	.01000	-.01000
.900	-.041	.00290	-.00369	.00046	-.00087	.03453	-.24267	-.26253	625.02626	.01999	-.03001
.899	1.068	.00424	-.00441	.00030	-.00060	.02917	-.24082	-.25870	624.29426	.01999	-.01000
.899	2.133	.00411	-.00395	.00017	.00000	.02388	-.23817	-.25406	624.30335	.01999	-.03001
.899	3.241	.00430	-.00449	.00031	.00051	.01950	-.23694	-.25183	624.23473	.01999	.04005
.899	4.291	.00366	-.00428	.00043	.00115	.02043	-.23467	-.24946	624.22564	.01000	-.06002
.900	5.381	.00310	-.00246	-.00007	.00102	.02118	-.23297	-.24660	625.10396	.01000	.00000
.899	6.485	.00388	-.00172	-.00061	.00101	.02100	-.23102	-.24381	624.24382	.01999	.01001
.899	7.563	.00214	-.00113	-.00027	-.00090	.01864	-.23189	-.24606	624.26200	.01999	-.01000
.899	8.647	.00149	.00017	-.00055	-.00151	.01764	-.23324	-.24790	624.35378	.01999	-.03001
.899	9.681	.00001	.00255	-.00097	-.00190	.01535	-.23763	-.25241	624.05610	.01000	-.03001
.899	10.786	.00011	.00270	-.00106	-.00136	.01262	-.24260	-.25848	624.23473	.00000	-.05001
.899	11.888	-.00122	.00138	-.00012	-.00165	.00678	-.25110	-.26883	624.06518	-.03998	-.05001
.900	12.940	-.00079	.00052	.00007	-.00146	.00252	-.26051	-.28105	624.77021	-.02999	-.04001
.899	14.025	.00127	-.00027	-.00032	-.00118	-.00068	-.26912	-.29340	624.33971	-.01999	-.04001
.899	15.131	.00033	.00188	-.00082	-.00092	-.00583	-.28314	-.31038	624.22564	-.05997	-.10003
.899	17.306	.00140	.00099	-.00085	-.00278	-.01580	-.29993	-.32684	624.39015	-.01000	.02002
.899	19.468	.00130	.00265	-.00145	-.00164	-.01602	-.32508	-.35576	624.66461	-.02999	-.09002
GRADIENT		.00101	-.00075	-.00004	.00033	-.00473	.00208	.00398	-.08336	.00165	-.00201

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 298

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 23/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.864	-.00247	.00108	.00038	-.00154	.05859	-.26167	634.51151	-.01999	.00000
.920	-2.241	-.00082	.00008	.00023	-.00104	.04474	-.25387	634.52112	-.02999	.00000
.921	-1.138	.00025	-.00051	.00012	-.00106	.03657	-.24962	635.20056	-.01000	-.02001
.920	-.050	.00289	-.00223	-.00007	-.00108	.02897	-.24716	634.26864	.00000	.01001
.921	1.058	.00369	-.00165	-.00055	-.00092	.02239	-.24426	634.67675	.00000	.00000
.920	2.144	.00533	-.00355	-.00035	-.00085	.01636	-.24067	634.69599	.01000	.03003
.921	3.228	.00464	-.00273	-.00044	-.00053	.01273	-.23920	634.97720	.00000	.02002
.920	4.326	.00473	-.00456	.00022	.00068	.01221	-.23831	634.42369	.00000	.01001
.920	5.393	.00422	-.00223	-.00050	.00030	.01469	-.23712	634.28783	.01000	.01001
.920	6.507	.00434	-.00093	-.00104	.00021	.01290	-.23670	634.41409	.01000	.00000
.920	7.591	.00408	-.00058	-.00109	-.00105	.01218	-.23757	634.40449	.01000	-.01000
.921	8.649	.00460	.00038	-.00162	-.00162	.01189	-.24183	634.56980	.00000	.01001
.921	9.750	.00213	.00192	-.00141	-.00168	.00516	-.26242	635.01620	.01000	-.01000
.921	10.818	.00144	.00323	-.00169	-.00076	.00321	-.25639	634.71523	.01000	.00000
.921	11.902	.00039	.00039	-.00027	-.00161	-.00267	-.26676	634.77352	-.05997	-.03001
.920	12.973	.00005	-.00051	.00017	-.00043	-.00921	-.27972	634.31736	.05998	.00000
.920	14.066	.00099	-.00134	.00018	-.00064	-.01320	-.29118	634.43398	.02999	.04005
.920	15.177	.00033	.00170	-.00075	-.00082	-.01767	-.30222	634.41409	.01999	.04005
.921	17.349	.00127	.00046	-.00060	-.00164	-.03012	-.32044	634.85104	-.03999	-.04001
.920	19.505	.00273	.00253	-.00188	-.00207	-.03030	-.33993	633.86013	-.03998	-.05001
GRADIENT		.00099	-.00065	-.00007	.00020	-.00532	.00282	.00507	.00364	.00317

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 299

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 19/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.868	-.00207	.00077	.00035	-.00103	.08670	-.29185	-.31333	647.08307	.28989	.23026
.951	-2.251	-.00044	-.00091	.00048	-.00129	.06709	-.28750	-.30427	647.63200	.26990	.24027
.951	-1.157	.00166	-.00157	.00008	-.00108	.05576	-.28411	-.29908	647.32862	.26990	.23026
.950	-.053	.00226	-.00165	-.00008	-.00112	.04665	-.28028	-.29383	647.16741	.26990	.23026
.950	1.048	.00412	-.00291	-.00018	-.00123	.03650	-.27712	-.28959	647.17900	.26990	.23026
.950	2.147	.00512	-.00310	-.00042	-.00100	.02686	-.27507	-.28646	647.15581	.27990	.24027
.950	3.230	.00528	-.00293	-.00054	-.00099	.01696	-.27332	-.28388	646.94077	.27990	.23026
.950	4.334	.00380	-.00172	-.00054	-.00075	.00720	-.27023	-.28140	647.08307	.27990	.24027
.950	5.425	.00394	-.00162	-.00062	-.00072	.00202	-.26856	-.28070	647.01772	.26990	.23026
.950	6.526	.00291	-.00077	-.00062	-.00085	-.00416	-.26781	-.27984	647.05990	.27990	.21024
.950	7.609	.00215	-.00106	-.00028	-.00063	-.00757	-.26845	-.28109	646.96394	.27990	.19021
.950	8.706	.00127	.00004	-.00041	-.00085	-.01040	-.26978	-.28483	646.97552	.26990	.16018
.950	9.772	.00054	.00180	-.00085	-.00053	-.01314	-.27509	-.29035	647.06404	.28989	.12014
.950	10.877	.00061	.00231	-.00107	-.00040	-.01859	-.28765	-.30560	647.25594	.29989	.05006
.950	11.953	.00562	.00015	-.00185	.00005	-.02410	-.29784	-.32063	646.97552	.21992	-.07002
.950	13.043	.00943	-.00158	-.00242	.00070	-.02913	-.31134	-.33771	646.92173	.01000	-.17004
.950	14.135	.01310	-.00311	-.00304	.00133	-.03308	-.32446	-.35320	646.67180	.00000	-.30008
.950	15.235	.01542	-.00336	-.00371	.00195	-.03586	-.33786	-.36786	646.85636	-.03998	-.54014
.952	17.422	.01967	-.00705	-.00375	.00109	-.04782	-.37701	-.40971	647.93075	-.08996	-.04001
.949	19.590	-.00052	-.00294	-.00094	-.00128	-.04775	-.39976	-.42397	646.51032	-.02999	-.17004
GRADIENT	.00086	-.00036	-.00013	.00004	-.00094	.00264	.00386	-.03858	-.00003	.00054	

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TABULATED SOURCE DATA - LA62

PAGE 300

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 15/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.981	-3.938	-.00315	.00092	.00062	-.00095	.09724	-.37318	-.38288	659.66673	.04998	.03003
.981	-2.252	-.00150	-.00030	.00057	-.00084	.07688	-.36517	-.37372	660.04070	.01000	.02002
.981	-1.148	.00094	-.00214	.00052	-.00085	.06574	-.35777	-.36576	659.78878	.01000	.02002
.981	-.055	.00217	-.00218	.00016	-.00088	.05676	-.35482	-.36294	659.91886	.01000	.02002
.981	1.049	.00376	-.00262	-.00016	-.00111	.04613	-.35107	-.35980	659.54467	.01000	.01001
.980	2.145	.00479	-.00330	-.00022	-.00095	.03583	-.34880	-.35779	659.23949	-.00999	.00000
.980	3.248	.00401	-.00201	-.00047	-.00066	.02479	-.34723	-.35599	659.25465	.00000	.01001
.980	4.346	.00358	-.00170	-.00045	-.00059	.01359	-.34912	-.35798	659.31569	.00000	.00000
.980	5.444	.00359	-.00174	-.00044	-.00077	.00493	-.34966	-.35770	659.20915	-.03999	-.02000
.980	6.540	.00221	-.00028	-.00057	-.00085	-.00283	-.35059	-.35803	659.11698	.01999	.00000
.980	7.618	.00039	.00065	-.00037	-.00054	-.00891	-.35765	-.36720	659.08667	.00000	.01001
.980	8.731	.00015	.00061	-.00028	-.00045	-.01664	-.36616	-.37756	659.31569	-.00999	-.02000
.980	9.822	-.00189	.00221	-.00025	-.00042	-.02053	-.37778	-.39602	659.17844	-.01999	-.04001
.980	10.915	-.00357	.00306	-.00004	-.00043	-.02703	-.39032	-.41764	659.26940	.01000	.01001
.981	11.992	-.00807	.00271	.00150	-.00093	-.03268	-.40758	-.43256	659.46846	-.04997	.00000
.980	13.096	-.00967	.00284	.00196	-.00103	-.03871	-.41781	-.44514	659.05546	-.00999	-.06001
.979	14.202	-.00333	.00128	.00057	-.00021	-.04240	-.43015	-.45555	658.61229	-.06996	-.04001
.980	15.299	-.00137	.00084	.00012	-.00017	-.04724	-.44197	-.46791	658.81066	-.02998	-.02000
.980	17.466	-.00150	-.00221	.00132	.00015	-.05868	-.47316	-.49113	658.88687	.01999	.03003
.980	19.668	-.00059	.00217	-.00063	-.00052	-.06903	-.49493	-.51624	658.87227	-.00999	.00000
GRADIENT		.00092	-.00033	-.00016	.00003	-.00983	.00304	.00306	-.08391	-.00497	-.00344

RUN NO. 10/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.119	-3.999	-.00293	.00226	-.00002	-.00078	.10412	-.35621	-.36433	707.27496	.01000	.03003
1.120	-2.234	-.00016	-.00007	.00007	-.00096	.08271	-.35372	-.36616	707.27113	.00000	.02002
1.120	-.038	.00344	-.00129	-.00040	-.00070	.04953	-.35554	-.37074	707.42365	.02999	.02002
1.120	2.179	.00582	-.00199	-.00091	-.00028	.01734	-.35906	-.37414	707.21248	.05997	-.04001
1.119	4.368	.00404	-.00029	-.00104	-.00026	-.00754	-.36147	-.37765	706.91104	.05997	-.02000
1.119	6.563	.00207	.00107	-.00100	-.00011	-.02450	-.36682	-.38386	707.01676	.00000	-.01000
1.120	8.763	.00097	.00284	-.00135	-.00049	-.03329	-.36990	-.38183	707.18309	-.03998	-.01000
1.121	10.949	.00000	.00367	-.00139	-.00054	-.04343	-.38021	-.39264	707.61980	-.03998	.06005
1.120	13.171	-.00117	.00155	-.00025	.00013	-.05038	-.40311	-.41899	707.33173	-.00999	-.04301
1.120	15.373	-.00045	.00000	.00013	.00066	-.06471	-.42890	-.44489	707.28873	-.02998	.02002
1.120	17.571	.00094	-.00073	-.00001	.00076	-.07630	-.45250	-.47348	707.33372	.02999	.00000
1.120	19.738	.00111	-.00035	-.00020	.00038	-.08181	-.46437	-.48219	707.59376	-.04997	-.04001
GRADIENT		.00033	-.00032	-.00014	.00008	-.01367	-.00077	-.00164	-.03811	.00765	-.00760

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TABULATED SOURCE DATA - LA62

PAGE 301

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3006) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = .000 AILRON = .000

	RUN NO.	3/ 0	RN/L =	3.50	GRADIENT INTERVAL =	-5.00/	5.00					
	MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
	1.200	-3.869	-.00009	.00051	-.00017	-.00182	.10273	-.35223	-.36759	730.39073	.07996	.01001
	1.200	-2.227	.00303	-.00163	-.00022	-.00185	.07645	-.35352	-.36374	730.00895	.01999	-.05001
	1.201	-1.139	.00461	-.00257	-.00030	-.00200	.05959	-.35255	-.36116	730.28796	-.02998	-.09001
	1.201	-.029	.00642	-.00307	-.00061	-.00182	.04290	-.35110	-.36207	730.28015	-.00999	.00000
	1.201	1.069	.00784	-.00348	-.00085	-.00168	.02739	-.34996	-.36383	730.34153	.00000	-.05001
	1.201	2.153	.00851	-.00343	-.00105	-.00146	.01341	-.35102	-.36521	730.04177	-.00999	-.08001
	1.200	3.263	.00821	-.00296	-.00115	-.00147	.00046	-.35270	-.36636	729.82680	-.03998	-.04001
	1.201	4.347	.00782	-.00271	-.00114	-.00145	-.01013	-.35461	-.36814	730.44688	-.02998	-.08001
	1.201	5.452	.00659	-.00224	-.00098	-.00176	-.02080	-.35891	-.37359	730.35961	-.02998	-.02000
	1.201	6.554	.00596	-.00171	-.00101	-.00136	-.03147	-.36348	-.37880	730.10776	.00000	-.07001
	1.200	7.641	.00459	-.00112	-.00086	-.00110	-.03755	-.37078	-.38446	729.97989	.00000	.00000
	1.200	8.749	.00344	-.00005	-.00094	-.00206	-.04166	-.37296	-.38609	730.28221	-.01999	-.05001
	1.200	9.850	.00296	.00039	-.00098	-.00201	-.04674	-.37791	-.39081	730.07293	-.04997	.02002
	1.200	10.956	.00234	.00237	-.00156	-.00201	-.05077	-.38353	-.39662	730.18144	-.03998	-.03000
	1.201	12.050	.00131	.00181	-.00106	-.00182	-.05695	-.38916	-.40575	730.18721	-.04997	.05004
	1.200	13.163	.00160	.00127	-.00093	-.00192	-.06199	-.40113	-.41907	730.06706	-.05996	.03003
	1.200	14.266	.00171	.00045	-.00066	-.00138	-.06758	-.41151	-.42855	730.00299	-.05996	-.03000
	1.201	15.370	.00138	.00038	-.00054	-.00098	-.07456	-.42102	-.43662	730.31484	.03998	.00000
	1.200	17.572	.00261	.00029	-.00086	-.00129	-.08679	-.43462	-.45638	730.08840	.03998	.01001
	1.201	19.759	.00213	.00096	-.00099	-.00126	-.08890	-.45579	-.47731	730.40768	.03998	-.06001
	GRADIENT	.00100	-.00035	-.00014	.00006	-.01384	-.00007	-.00028	-.01383	-.01079	-.00654	

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 302

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 53/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.615	-.00129	.00004	.00055	.00011	.00905	-.22816	-.26511	462.57993	2.50906	2.53285
.601	-2.078	.00113	-.00232	.00039	.00015	.00804	-.22706	-.26081	462.41063	2.50906	2.49280
.600	-1.032	.00236	-.00393	.00046	-.00006	.00735	-.22673	-.25951	461.74150	2.52905	2.50282
.601	.030	.00378	-.00496	.00023	.00039	.00663	-.22549	-.25653	462.49034	2.49906	2.51283
.601	1.069	.00508	-.00615	.00012	.00041	.00568	-.22408	-.25307	462.91026	2.50906	2.50282
.600	2.139	.00525	-.00572	-.00013	.00040	.00435	-.22366	-.25118	462.07527	2.48907	2.49280
.600	3.195	.00430	-.00412	-.00032	.00056	.00345	-.22213	-.24831	462.07691	2.48907	2.51283
.600	4.273	.00481	-.00472	-.00032	.00045	.00243	-.22064	-.24596	462.32597	2.48907	2.50282
.600	5.324	.00404	-.00367	-.00039	.00042	.00118	-.21911	-.24361	461.99389	2.49906	2.49280
.600	6.375	.00379	-.00354	-.00033	-.00005	-.00032	-.21847	-.24213	461.90757	2.48907	2.49280
.600	7.438	.00309	-.00240	-.00045	-.00008	-.00213	-.21771	-.24002	461.74642	2.46907	2.47278
.600	8.512	.00264	-.00155	-.00058	-.00012	-.00398	-.21826	-.24105	462.32761	2.47907	2.49280
.600	9.580	.00240	-.00111	-.00064	.00020	-.00363	-.22022	-.24318	462.16158	2.46907	2.49280
.600	10.645	.00156	.00022	-.00078	.00025	-.00250	-.22107	-.24489	461.82782	2.47907	2.49280
.601	11.706	.00154	.00040	-.00084	.00053	-.00192	-.22324	-.24718	462.58158	2.51906	2.47278
.601	12.783	-.00155	-.00551	.00278	.00413	-.00643	-.22961	-.25300	462.74758	2.48907	2.47278
.601	13.814	-.00086	-.00458	.00212	.00440	-.00897	-.23700	-.26139	462.57993	2.49906	2.47278
.600	14.914	.00006	-.00104	.00037	.00306	-.01382	-.24466	-.27462	462.24953	2.47907	2.50282
.601	17.041	.00256	.00020	-.00124	.00178	-.02609	-.26934	-.30848	462.49857	2.46907	2.40270
.601	19.164	.00085	.00265	-.00140	-.00056	-.02891	-.29126	-.33132	462.49693	2.54904	2.49280
GRADIENT		.00076	-.00055	-.00012	.00006	-.00086	.00095	.00244	-.02359	-.00371	-.00181

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 303

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 46/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.702	-3.734	-.00030	-.00067	.00037	-.00049	.01390	-.22941	-.26476	524.48517	2.50906	2.52284
.701	-2.147	.00227	-.00348	.00045	-.00045	.01192	-.22712	-.25907	524.23911	2.50906	2.50282
.701	-1.074	.00222	-.00342	.00044	-.00050	.01101	-.22566	-.25493	524.16906	2.50906	2.50282
.701	-.014	.00396	-.00437	.00013	-.00049	.00976	-.22495	-.25257	524.40206	2.50906	2.50282
.701	1.067	.00501	-.00490	-.00007	-.00040	.00879	-.22352	-.24922	523.92950	2.50906	2.51283
.701	2.122	.00630	-.00583	-.00022	-.00016	.00713	-.22143	-.24533	524.23911	2.52905	2.49280
.701	3.178	.00619	-.00528	-.00038	-.00033	.00556	-.21971	-.24242	524.40533	2.51906	2.49280
.702	4.271	.00558	-.00436	-.00050	-.00041	.00423	-.21687	-.23899	524.70830	2.51906	2.50282
.701	5.328	.00477	-.00325	-.00061	-.00073	.00266	-.21640	-.23765	524.08921	2.52905	2.50282
.701	6.390	.00403	-.00235	-.00067	-.00052	.00049	-.21431	-.23436	524.40206	2.50906	2.48279
.702	7.473	.00383	-.00173	-.00083	-.00065	-.00227	-.21339	-.23283	524.79795	2.51906	2.48279
.701	8.544	.00344	-.00148	-.00078	-.00041	-.00364	-.21422	-.23324	523.94254	2.49906	2.48279
.701	9.635	.00269	.00044	-.00122	-.00020	-.00464	-.21596	-.23630	524.41513	2.45908	2.47278
.702	10.706	.00223	.00051	-.00107	-.00085	-.00392	-.21862	-.23880	524.48517	2.33912	2.43274
.701	11.736	.00263	.00067	-.00129	-.00058	-.00384	-.22667	-.24579	523.94906	2.44908	2.47278
.702	12.815	.00146	.00091	-.00092	.00048	-.00734	-.23297	-.25425	525.18720	2.44908	2.45276
.701	13.889	.00136	.00243	-.00146	.00001	-.01130	-.24229	-.26909	524.49170	2.46907	2.49280
.701	14.965	.00242	.00057	-.00118	.00130	-.01307	-.25252	-.28510	524.41513	2.46907	2.45276
.701	17.140	.00328	.00126	-.00180	.00159	-.02961	-.27835	-.31862	524.03218	2.44909	2.44275
.701	19.302	.00233	.00330	-.00220	-.00002	-.02899	-.30379	-.35024	523.87245	2.42909	2.49280
GRADIENT		.00080	-.00047	-.00013	.00002	-.00120	.00148	.00317	.02021	.00190	-.00234

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 304

(AJ3007) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN-NO. 39/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-3.764	-.00351	.00218	.00040	-.00131	.02132	-.23499	-.26478	576.38872	2.49906	2.52284
.800	-2.123	-.00111	-.00061	.00052	-.00120	.01853	-.23363	-.26107	577.13298	2.50906	2.52284
.800	-1.065	.00059	-.00221	.00063	-.00111	.01671	-.23075	-.25575	577.54151	2.50906	2.52284
.800	-.057	.00176	-.00242	.00030	-.00103	.01522	-.22906	-.25164	577.33412	2.52905	2.50282
.799	1.097	.00523	-.00519	.00014	-.00091	.01349	-.22784	-.24869	576.56498	2.49906	2.51283
.800	2.211	.00379	-.00305	-.00017	-.00091	.01161	-.22415	-.24350	576.99257	2.50906	2.48279
.799	3.264	.00364	-.00292	-.00017	-.00103	.00916	-.22275	-.24145	576.31534	2.49906	2.49280
.800	4.344	.00403	-.00290	-.00031	-.00109	.00671	-.21971	-.23799	577.21260	2.48907	2.48279
.800	5.376	.00299	-.00181	-.00037	-.00128	.00349	-.21902	-.23677	576.85215	2.49906	2.47278
.799	6.512	.00194	-.00147	-.00013	-.00060	-.00081	-.21848	-.23557	576.44958	2.49906	2.46277
.799	7.535	.00178	-.00028	-.00052	-.00091	-.00205	-.21750	-.23405	576.51669	2.49906	2.46277
.800	8.603	.00061	.00149	-.00078	-.00180	-.00442	-.21945	-.23582	577.57297	2.47907	2.50282
.799	9.679	.00017	.00181	-.00074	-.00177	-.00107	-.22282	-.23962	576.51042	2.48907	2.50282
.799	10.720	-.00028	.00197	-.00061	-.00154	.00091	-.22672	-.24379	576.25447	2.48907	2.48279
.799	11.823	-.00088	.00273	-.00072	-.00161	.00019	-.23272	-.25001	576.64462	2.46907	2.45276
.799	12.906	-.00132	.00342	-.00082	-.00141	-.00288	-.23965	-.26100	576.33411	2.47907	2.50282
.800	14.155	-.00107	.00291	-.00071	-.00075	-.01026	-.25339	-.28320	577.07848	2.48907	2.46277
.799	15.134	-.00102	.00310	-.00080	.00010	-.01933	-.26838	-.30320	576.11393	2.48907	2.51283
.799	17.325	-.00039	.00348	-.00117	-.00119	-.03278	-.29023	-.33023	576.61512	2.49906	2.44275
.799	19.455	.00108	.00205	-.00117	.00045	-.03091	-.31178	-.35535	576.59633	2.44908	2.48279
GRADIENT		.00096	-.00057	-.00012	.00003	-.00175	.00192	.00343	-.00242	-.00148	-.00564

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 305

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 48/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.677	.00006	-.00053	.00017	.00068	-.01080	-.23459	-.27360	462.74263	4.99813	4.99562
.601	-2.094	.00214	-.00312	.00025	.00056	-.01163	-.23268	-.26830	462.82232	4.99813	4.97560
.601	-1.049	.00434	-.00602	.00039	.00029	-.01221	-.23093	-.26467	463.24548	4.98813	4.98561
.601	.009	.00389	-.00468	.00008	.00068	-.01289	-.23059	-.26281	463.23886	4.99813	5.00563
.601	1.076	.00600	-.00654	-.00014	.00056	-.01402	-.23009	-.26068	462.57169	4.97813	5.00563
.601	2.145	.00645	-.00610	-.00050	.00078	-.01527	-.22882	-.25804	462.74098	4.97813	4.98561
.600	3.209	.00703	-.00680	-.00050	.00089	-.01639	-.22798	-.25606	462.07363	4.99813	5.00563
.601	4.251	.00596	-.00504	-.00069	.00071	-.01730	-.22605	-.25290	463.15754	4.99813	4.99562
.601	5.309	.00499	-.00407	-.00064	.00056	-.01832	-.22423	-.25058	463.07787	4.99813	4.99562
.601	6.371	.00512	-.00456	-.00052	.00026	-.02020	-.22241	-.24723	463.32348	4.98813	4.98561
.601	7.435	.00469	-.00342	-.00076	.00040	-.02167	-.22245	-.24592	463.24382	4.97813	4.97560
.601	8.495	.00354	-.00208	-.00078	.00053	-.02324	-.22283	-.24651	462.49034	4.96814	4.97560
.601	9.543	.00313	-.00159	-.00078	.00048	-.02328	-.22427	-.24760	462.65634	4.97813	4.97560
.601	10.642	.00286	-.00080	-.00097	.00087	-.02294	-.22661	-.24910	462.40239	4.96814	4.98561
.601	11.677	.00211	.00058	-.00116	.00131	-.02326	-.22797	-.24944	462.41063	4.89816	4.96559
.601	12.753	-.00001	-.00395	.00150	.00415	-.02773	-.23502	-.25611	462.57664	4.83819	4.85546
.601	13.825	.00012	-.00587	.00217	.00577	-.03101	-.24018	-.26258	463.07787	5.00812	4.99562
.601	14.903	.00231	-.00261	-.00005	.00444	-.03612	-.24711	-.27202	462.82562	4.98813	4.97560
.601	17.028	.00289	.00130	-.00181	.00251	-.04927	-.27398	-.30065	462.74758	4.97813	5.02565
.601	19.181	.00173	.00208	-.00159	.00063	-.05323	-.30001	-.33792	462.65964	4.92815	4.85546
GRADIENT	.00081	-.00058	-.00013	.00003	-.00085	.00098	.00247	-.03074	-.00058	.00154	

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TABULATED SOURCE DATA - LA62

PAGE 306

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 ALLRON = .000

RUN NO. 41/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.675	-.00347	.00236	.00045	-.00105	-.00487	-.23385	-.27038	523.08013	4.97813	5.00563
.701	-2.128	-.00066	-.00015	.00031	-.00104	-.00648	-.23225	-.26437	524.23584	4.98813	5.01564
.701	-1.060	.00075	-.00190	.00043	-.00098	-.00733	-.23067	-.26135	523.46006	4.98813	4.99562
.700	-.010	.00282	-.00405	.00045	-.00125	-.00834	-.23077	-.25999	522.92357	4.97813	5.01564
.701	1.065	.00312	-.00323	.00002	-.00081	-.00983	-.22871	-.25596	523.46982	4.97813	4.99562
.700	2.144	.00552	-.00516	-.00017	-.00113	-.01110	-.22619	-.25138	523.08013	4.95814	5.00563
.701	3.215	.00360	-.00287	-.00030	-.00094	-.01264	-.22377	-.24669	523.78932	4.98813	5.00563
.700	4.293	.00442	-.00345	-.00040	-.00098	-.01405	-.22342	-.24636	523.24316	4.99813	5.00563
.701	5.341	.00361	-.00262	-.00041	-.00123	-.01571	-.22124	-.24285	523.40294	4.97813	4.98561
.701	6.417	.00252	-.00105	-.00058	-.00127	-.01764	-.22062	-.24086	523.79584	4.96814	4.99562
.700	7.491	.00212	-.00037	-.00068	-.00103	-.02025	-.21951	-.23963	523.24966	4.99813	4.97560
.700	8.576	.00135	.00058	-.00075	-.00111	-.02184	-.21956	-.23927	522.46998	4.99813	4.98561
.701	9.658	.00127	.00136	-.00101	-.00063	-.02305	-.22122	-.23952	523.78932	4.98813	4.98561
.700	10.726	.00007	.00109	-.00044	.00009	-.02324	-.22458	-.24258	523.32630	4.99813	4.95558
.701	11.745	.00058	.00071	-.00050	.00031	-.02224	-.23213	-.25023	523.86268	4.98813	5.01564
.700	12.826	.00136	.00030	-.00065	.00011	-.02496	-.23821	-.25871	523.07688	4.96814	5.00563
.700	13.916	.00033	.00282	-.00120	-.00062	-.02895	-.24583	-.26914	523.15677	4.96814	4.98561
.700	14.991	.00055	.00215	-.00103	.00095	-.03236	-.25450	-.28050	522.37712	4.99813	5.02565
.700	17.171	.00103	.00370	-.00182	.00064	-.04897	-.28105	-.31231	522.76700	4.97813	5.00563
.700	19.320	-.00020	.00880	-.00325	-.00397	-.04769	-.31227	-.35717	522.84366	4.98813	4.98561
.700	GRADIENT	.00099	-.00069	-.00012	.00001	-.00115	.00140	.00312	-.01418	.00056	-.00074

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 307

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 34/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CSL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.740	-.00270	.00067	.00069	-.00117	-.00057	-.24125	-.27355	577.12669	4.98813	5.07571
.800	-2.175	-.00278	.00036	.00083	-.00151	-.00281	-.23790	-.26708	577.34041	4.98813	5.06570
.800	-1.042	.00103	-.00273	.00067	-.00107	-.00402	-.23674	-.26296	576.83332	5.01812	5.00563
.800	-.024	.00204	-.00329	.00053	-.00103	-.00551	-.23331	-.25641	577.26079	4.99813	4.99562
.799	1.112	.00305	-.00360	.00030	-.00107	-.00740	-.23212	-.25362	576.79134	5.00812	4.98561
.800	2.147	.00331	-.00320	.00006	-.00097	-.00904	-.22902	-.24971	577.07220	4.99813	4.99562
.799	3.281	.00466	-.00411	-.00008	-.00113	-.01213	-.22680	-.24642	576.80389	5.00812	4.99562
.800	4.337	.00438	-.00372	-.00012	-.00124	-.01499	-.22473	-.24366	577.27337	5.00812	4.98561
.800	5.425	.00339	-.00190	-.00047	-.00098	-.01828	-.22319	-.24173	577.00513	5.02811	4.97560
.799	6.542	.00322	-.00318	.00007	-.00032	-.02216	-.22328	-.24130	576.37620	4.99813	4.95558
.799	7.561	.00125	-.00025	-.00034	-.00086	-.02290	-.22368	-.24075	576.37620	5.00812	4.94556
.799	8.623	.00142	-.00054	-.00030	-.00093	-.02277	-.22611	-.24371	576.44331	5.01812	4.94556
.799	9.718	.00007	.00155	-.00061	-.00127	-.02134	-.22902	-.24621	576.31534	4.98813	4.94556
.799	10.825	-.00154	.00287	-.00054	-.00093	-.01991	-.23428	-.25118	576.11393	4.98813	4.98561
.799	11.879	-.00128	.00276	-.00059	-.00109	-.02123	-.23955	-.25710	576.58379	4.98813	4.92554
.799	12.942	-.00035	.00147	-.00043	-.00056	-.02438	-.24816	-.26548	576.52295	4.90816	4.92554
.799	14.016	-.00092	.00201	-.00043	-.00002	-.03154	-.26141	-.28374	576.78507	4.94814	4.90552
.799	15.134	-.00050	.00195	-.00056	.00086	-.04279	-.26892	-.29502	576.73680	4.92815	4.98561
.798	17.255	.00000	.00298	-.00113	-.00061	-.05625	-.29275	-.32465	575.62506	4.94814	4.98561
.798	19.441	.00073	.00216	-.00109	.00109	-.05317	-.31315	-.34985	575.77190	4.95814	4.93555
	GRADIENT	.00100	-.00059	-.00013	.00002	-.00173	.00206	.00376	-.01549	.00208	-.01097

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 308

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

PARAMETRIC DATA

RUN NO.		28/ 0	RN/L =	3.50	GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R		
.899	-3.802	-.00369	.00125	.00072	-.00072	.01807	-.26259	-.29679	624.59178	4.96814	5.02565		
.900	-2.224	-.00124	-.00211	.00120	-.00081	.01087	-.25647	-.28630	624.79756	4.93815	5.04568		
.900	-1.107	.00020	-.00303	.00108	-.00094	.00515	-.25395	-.28116	624.80667	5.04811	5.04568		
.899	-.004	.00146	-.00307	.00069	-.00082	.00008	-.25079	-.27440	624.52319	5.01812	5.04568		
.899	1.091	.00213	-.00260	.00030	-.00084	-.00536	-.24746	-.26970	624.67860	5.01812	5.03567		
.899	2.222	.00373	-.00366	.00018	-.00081	-.01042	-.24595	-.26620	624.36287	5.03811	5.03567		
.900	3.263	.00435	-.00409	.00014	-.00097	-.01445	-.24289	-.26137	624.80667	5.03811	5.04568		
.899	4.324	.00279	-.00273	.00013	-.00090	-.01551	-.24252	-.25940	624.13382	5.01812	5.02565		
.899	5.390	.00307	-.00249	-.00005	-.00037	-.01654	-.23979	-.25529	624.67860	5.01812	5.01564		
.899	6.545	.00378	-.00182	-.00054	.00009	-.02017	-.23892	-.25392	624.66038	5.01812	4.99562		
.898	7.594	.00150	-.00027	-.00039	-.00187	-.02193	-.24188	-.26053	623.80876	4.97813	4.97560		
.900	8.674	-.00045	.00193	-.00058	-.00222	-.02402	-.24563	-.26536	624.86614	4.95814	4.96559		
.898	9.704	-.00080	.00331	-.00099	-.00257	-.02806	-.25128	-.27089	623.94605	4.98813	4.95558		
.900	10.772	-.00134	.00473	-.00135	-.00136	-.03170	-.25906	-.27460	624.92561	4.95814	4.77537		
.899	11.885	-.00179	.00202	-.00017	-.00209	-.04190	-.27349	-.29325	624.12474	4.87817	5.13578		
.099	12.993	-.00071	.00033	.00011	-.00382	-.04881	-.28497	-.30555	624.61910	4.96814	5.03567		
.899	14.077	-.00137	.00115	.00002	-.00044	-.05379	-.29593	-.31635	624.32153	4.93815	4.99562		
.899	15.178	-.00035	.00164	-.00050	-.00006	-.06093	-.30633	-.32971	624.42239	4.94814	4.95558		
.899	17.369	.00027	.00118	-.00054	-.00087	-.07069	-.32284	-.34828	624.37197	4.94814	4.97560		
.899	19.524	.00064	.00348	-.00154	-.00007	-.06993	-.34592	-.38318	624.28017	4.99813	5.01564		
.899	GRADIENT	.00090	-.00043	-.00013	-.00002	-.00435	.00249	.00460	-.04367	.00870	-.00028		

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 309

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 24/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.823	-.00286	.00059	.00069	-.00100	.02978	-.27568	-.31003	634.21030	4.99813	5.02565
.921	-2.214	-.00100	-.00023	.00040	-.00057	.02042	-.27048	-.30112	634.75427	5.00812	5.06570
.921	-1.130	.00102	-.00176	.00034	-.00067	.01239	-.26475	-.29404	635.11341	5.02811	5.06570
.921	-.029	.00189	-.00124	-.00013	-.00070	.00398	-.26097	-.28796	634.68637	5.02811	5.08572
.921	1.075	.00351	-.00231	-.00024	-.00106	-.00362	-.25703	-.28231	634.64733	5.03811	5.08572
.921	2.158	.00487	-.00292	-.00044	-.00110	-.01128	-.25637	-.27992	634.73502	5.03811	5.07571
.921	3.141	.00523	-.00267	-.00065	-.00080	-.01726	-.25370	-.27566	634.62809	5.03811	5.06570
.921	4.368	.00433	-.00285	-.00030	-.00056	-.02283	-.25273	-.27160	634.86117	5.02811	5.06570
.921	5.443	.00396	-.00312	-.00008	-.00035	-.02426	-.25307	-.26812	634.94832	5.01812	5.06570
.920	6.531	.00314	-.00195	-.00026	-.00029	-.02835	-.25430	-.26862	634.09361	5.02811	5.04568
.920	7.613	.00255	.00057	-.00103	-.00151	-.02850	-.25848	-.27094	634.15196	5.02811	5.03567
.920	8.693	.00317	.00166	-.00165	-.00206	-.03051	-.26442	-.27636	634.45320	5.01812	4.98561
.921	9.788	-.00051	.00331	-.00109	-.00143	-.04036	-.27149	-.28621	635.25879	5.07810	4.98561
.921	10.856	.00034	.00244	-.00103	-.00073	-.04565	-.28147	-.29592	634.79328	5.07810	5.05569
.921	11.936	-.00129	.00116	-.00002	-.00091	-.05287	-.29217	-.31162	634.95795	5.03811	4.98561
.920	13.012	-.00064	-.00072	.00048	-.00079	-.05910	-.30100	-.32327	634.37496	4.92815	5.02565
.921	14.126	.00065	-.00187	.00050	-.00044	-.06660	-.31308	-.33614	635.19092	4.94814	5.01564
.920	15.213	.00092	-.00038	-.00016	-.00018	-.07167	-.32403	-.34412	633.93767	4.90916	4.94556
.921	17.410	.00171	-.00091	-.00022	-.00036	-.08878	-.34858	-.37618	634.97766	5.12808	4.98561
.920	19.560	.00338	.00097	-.00151	.00000	-.08650	-.36432	-.39988	634.54994	5.03811	4.96559
GRADIENT		.00100	-.00043	-.00015	.00000	-.00668	.00290	.00469	.03272	.00429	.00354

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 310

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 20/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.873	-.00405	.00125	.00079	-.00141	.04682	-.31329	-.33057	647.19060	5.00812	4.98561
.951	-2.207	-.00270	.00014	.00079	-.00117	.02752	-.30706	-.32255	647.28649	5.02811	5.00563
.950	-1.131	-.00042	-.00147	.00069	-.00142	.01823	-.30360	-.31778	647.15581	5.01812	5.00563
.950	-.033	.00111	-.00142	.00019	-.00137	.00911	-.30004	-.31277	647.24435	5.00812	5.00563
.950	1.075	.00342	-.00272	-.00004	-.00134	-.00126	-.29680	-.30835	646.56415	4.98813	5.00563
.950	2.160	.00329	-.00206	-.00024	-.00140	-.01048	-.29429	-.30476	647.04088	4.96814	5.00563
.950	3.257	.00407	-.00208	-.00049	-.00100	-.02014	-.29401	-.30387	647.13684	4.98813	5.00563
.950	4.379	.00254	-.00105	-.00040	-.00102	-.03101	-.29425	-.30411	647.13684	4.94814	5.00563
.950	5.453	.00188	.00017	-.00065	-.00118	-.03815	-.29448	-.30507	646.88699	4.92815	4.99562
.950	6.551	.00091	.00018	-.00035	-.00123	-.04367	-.29252	-.30348	646.92173	4.97813	4.97560
.950	7.648	-.00027	.00094	-.00027	-.00101	-.04733	-.29342	-.30437	647.09466	4.92815	4.95558
.950	8.727	-.00008	.00078	-.00027	-.00148	-.05149	-.29556	-.31014	646.91015	5.05810	4.97560
.950	9.811	-.00087	.00247	-.00066	-.00162	-.05677	-.30224	-.31859	647.20219	4.97813	5.00563
.950	10.911	.00084	.00145	-.00081	-.00122	-.06297	-.30988	-.32790	646.93330	5.00812	4.98561
.950	12.004	.00457	.00049	-.00164	-.00076	-.07141	-.32267	-.34186	646.85636	5.03811	4.98561
.950	13.092	.00837	-.00089	-.00234	-.00028	-.07845	-.33600	-.35610	646.92173	5.00812	5.00563
.950	14.177	.01183	-.00281	-.00274	.00061	-.08375	-.34863	-.36951	646.93330	4.95814	4.99562
.952	15.277	.01523	-.00378	-.00348	.00133	-.09077	-.36895	-.38972	648.03801	5.00812	4.99562
.950	17.480	.01783	-.00396	-.00433	.00106	-.09950	-.39084	-.41094	647.23696	4.98813	4.96559
.950	19.654	.00118	.00093	-.00074	-.00028	-.10251	-.41785	-.45032	646.74875	4.95814	5.00563
GRADIENT		.00098	-.00033	-.00018	.00004	-.00918	.00242	.00338	-.02237	-.00801	.00157

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TABULATED SOURCE DATA - LA62

PAGE 311

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 16/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.939	-.00396	.00095	.00085	-.00092	.05505	-.38653	-.40022	659.28497	5.00750	5.00438
.981	-2.226	-.00195	-.00057	.00081	-.00127	.03574	-.37787	-.39243	659.28536	5.00750	5.01439
.981	-1.130	-.00046	-.00150	.00071	-.00105	.02486	-.37455	-.38829	659.27019	5.02749	5.00438
.980	-.025	.00206	-.00261	.00036	-.00130	.01594	-.37106	-.38339	659.30053	5.02749	5.01439
.981	1.067	.00255	-.00271	.00024	-.00120	.00554	-.36977	-.38021	659.28536	5.00750	4.99437
.980	2.173	.00301	-.00223	-.00008	-.00105	-.00446	-.37000	-.37818	659.25465	5.01749	4.99437
.980	3.279	.00271	-.00179	-.00015	-.00106	-.01549	-.37125	-.37730	659.04077	5.00750	5.02440
.980	4.380	.00311	-.00138	-.00043	-.00101	-.02688	-.37507	-.38027	659.37673	4.98751	4.98436
.980	5.474	.00155	-.00035	-.00035	-.00067	-.03690	-.37955	-.38449	659.16288	4.99750	4.95434
.980	6.582	.00081	-.00021	-.00017	-.00106	-.04487	-.38459	-.38939	659.13256	5.00750	4.96434
.980	7.665	-.00096	.00216	-.00052	-.00161	-.05175	-.39106	-.39750	659.31569	5.00750	5.02440
.980	8.768	-.00176	.00145	-.00001	-.00140	-.06000	-.39678	-.40497	658.91819	4.97751	4.98436
.980	9.864	-.00368	.00373	-.00027	-.00124	-.06613	-.40691	-.41897	659.28497	4.98751	4.98436
.980	10.947	-.00451	.00251	.00045	-.00138	-.07284	-.41918	-.43000	659.28497	4.96752	4.97435
.980	12.040	-.01000	.00277	.00208	-.00199	-.07980	-.43179	-.44292	658.75012	4.96752	4.96434
.980	13.133	-.01134	.00292	.00246	-.00181	-.08669	-.44636	-.45732	658.65824	4.95752	4.96434
.980	14.231	-.00467	.00153	.00090	-.00118	-.09183	-.45783	-.46969	658.81066	4.95752	4.98436
.980	15.329	-.00260	.00066	.00058	-.00082	-.09768	-.46574	-.47732	658.74958	4.97751	5.00438
.981	17.536	-.00172	-.00237	.00145	-.00036	-.10994	-.49191	-.50728	659.52271	4.96752	4.99437
.980	19.698	-.00134	.00090	.00009	-.00045	-.11884	-.50330	-.52446	659.04032	4.96752	4.98436
GRADIENT		.00088	-.00027	-.00017	.00000	-.00961	.00139	.00261	-.00657	-.00183	-.00138

RUN NO. 11/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-4.017	-.00359	.00187	.00032	-.00116	.06693	-.38016	-.39093	707.81857	5.02749	5.04441
1.121	-2.220	-.00183	.00064	.00028	-.00141	.04540	-.37058	-.38161	707.75584	5.01749	5.02440
1.120	-.009	.00259	-.00143	-.00020	-.00106	.01303	-.35905	-.37367	707.78722	5.02749	5.05442
1.120	2.195	.00433	-.00141	-.00070	-.00073	-.01664	-.36608	-.37679	707.92406	5.04748	4.98436
1.120	4.398	.00324	-.00014	-.00087	-.00042	-.04067	-.37295	-.37469	707.53122	4.99750	4.96434
1.120	6.602	.00190	.00114	-.00098	-.00020	-.05976	-.38458	-.38085	708.01601	4.95752	4.95434
1.120	8.782	.00044	.00351	-.00145	-.00183	-.07247	-.39220	-.39176	707.86348	5.01749	5.00438
1.121	10.988	-.00049	.00452	-.00157	-.00085	-.08144	-.39690	-.40362	708.10579	4.96752	4.97435
1.121	13.180	-.00155	.00304	-.00070	-.00039	-.08971	-.41675	-.42780	708.07439	5.02749	4.99437
1.120	15.407	-.00092	.00029	.00016	-.00042	-.10602	-.43573	-.45929	708.38165	4.96751	4.96434
1.120	17.603	-.00031	-.00044	.00026	.00057	-.11876	-.46017	-.48562	708.06303	4.95752	4.98436
1.120	19.783	.00045	.00061	-.00037	-.00041	-.12553	-.46970	-.49744	707.94182	4.98751	4.99437
GRADIENT		.00093	-.00028	-.00016	.00010	-.01305	.00083	.00172	-.01933	-.00143	-.00950

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TABULATED SOURCE DATA - LA62

PAGE 312

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3008) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 4/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.840	-.00080	-.00035	.00036	-.00163	.06453	-.37460	-.38955	729.86546	5.01749	5.05442
1.200	-2.209	.00097	-.00178	.00040	-.00153	.03957	-.37135	-.38534	730.07293	4.99750	5.04441
1.201	-1.103	.00336	-.00281	.00014	-.00158	.02415	-.36775	-.37887	730.25887	4.94753	5.01439
1.201	.007	.00552	-.00378	-.00009	-.00139	.00832	-.36465	-.37449	730.31484	5.00750	4.98436
1.201	1.082	.00750	-.00450	-.00037	-.00143	-.00551	-.35899	-.37068	730.12904	5.02749	5.01439
1.201	2.193	.00587	-.00323	-.00040	-.00111	-.01877	-.35396	-.36182	730.22196	4.99750	5.06443
1.201	3.287	.00619	-.00311	-.00053	-.00082	-.03070	-.35690	-.36367	730.43679	5.00750	5.02440
1.201	4.381	.00529	-.00238	-.00057	-.00113	-.04184	-.36372	-.36179	730.23538	4.98751	4.97435
1.201	5.482	.00461	-.00151	-.00071	-.00131	-.05376	-.37224	-.36748	730.27233	5.00750	4.97435
1.200	6.581	.00338	-.00083	-.00062	-.00066	-.06498	-.37957	-.37317	730.11554	5.01749	5.03441
1.200	7.688	.00342	-.00110	-.00054	-.00110	-.07242	-.38603	-.37789	729.99347	4.98751	5.01439
1.200	8.767	.00268	-.00057	-.00053	-.00138	-.07904	-.39096	-.38494	729.86546	5.00750	5.03441
1.199	9.872	.00158	.00066	-.00069	-.00178	-.08497	-.39500	-.40300	730.04733	4.93753	4.99437
1.200	10.977	.00152	.00242	-.00134	-.00207	-.08835	-.39413	-.40781	730.38298	4.97751	4.98436
1.201	12.091	.00062	.00197	-.00092	-.00136	-.09374	-.39843	-.41326	730.50837	4.95752	5.00438
1.201	13.198	.00093	.00273	-.00130	-.00217	-.09998	-.40256	-.41664	730.23538	4.99750	5.01439
1.200	14.297	.00193	.00052	-.00075	-.00144	-.10473	-.41275	-.42818	730.08646	4.97751	4.98436
1.200	15.403	.00200	.00013	-.00062	-.00124	-.11229	-.42169	-.43911	730.06706	4.97751	4.95434
1.200	17.591	.00279	.00017	-.00087	-.00159	-.12460	-.43528	-.45596	730.30353	4.95752	5.03441
1.201	19.776	.00246	.00083	-.00103	-.00129	-.12713	-.46026	-.47784	730.38088	4.96752	5.00438
GRADIENT		.00083	-.00025	-.00014	.00009	-.01294	.00205	.00373	.04429	-.00009	-.00512

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TABULATED SOURCE DATA - LA62

PAGE 313

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 49/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.594	-.00062	.00079	-.00003	-.00012	-.04431	-.24397	-.28244	462.65799	10.01624	10.01126
.601	-2.047	.00125	-.00124	-.00007	-.00011	-.04557	-.24204	-.27829	463.07457	10.00625	10.02127
.601	-.999	.00244	-.00216	-.00025	.00010	-.04608	-.24138	-.27698	462.74428	10.00625	10.00125
.601	.044	.00399	-.00414	-.00017	-.00006	-.04699	-.23958	-.27498	463.23886	10.00625	10.02127
.601	1.101	.00555	-.00501	-.00052	.00030	-.04825	-.23873	-.27312	463.24382	9.99625	10.01126
.601	2.159	.00525	-.00434	-.00065	.00047	-.04926	-.23709	-.26915	462.82232	9.99625	10.00125
.601	3.226	.00561	-.00397	-.00095	.00052	-.05052	-.23630	-.26670	462.40733	10.00625	10.00125
.601	4.278	.00618	-.00513	-.00076	.00031	-.05208	-.23327	-.26296	462.98663	10.00625	10.00125
.601	5.348	.00514	-.00408	-.00071	.00047	-.05389	-.23203	-.25920	463.07291	10.00625	9.98123
.601	6.436	.00520	-.00402	-.00076	.00030	-.05771	-.23076	-.25659	462.90696	10.00625	10.02127
.601	7.467	.00419	-.00317	-.00064	.00019	-.06141	-.23052	-.25536	462.40898	9.99625	9.99124
.601	8.545	.00319	-.00152	-.00083	.00039	-.06496	-.23085	-.25533	462.74098	10.00625	9.99124
.601	9.606	.00198	-.00010	-.00084	.00036	-.06886	-.23114	-.25574	463.49603	10.00625	9.99124
.601	10.695	.00231	-.00051	-.00083	.00069	-.07082	-.23451	-.26017	462.57664	9.98626	10.03129
.601	11.749	.00190	.00028	-.00095	.00094	-.07375	-.23623	-.26286	463.16416	9.98626	10.00125
.601	12.831	.00207	-.00203	-.00015	.00181	-.07753	-.24163	-.27214	462.90696	9.98626	9.96121
.601	13.890	.00048	-.00477	.00159	.00553	-.08071	-.24977	-.28482	462.91356	9.98626	9.98123
.601	14.940	.00218	-.00139	-.00046	.00399	-.08502	-.25850	-.29654	463.07622	9.96626	10.01126
.601	17.082	.00243	.00134	-.00161	.00106	-.09470	-.28409	-.32906	463.66526	9.95627	9.97122
.601	19.211	.00231	.00163	-.00169	.00311	-.09851	-.30901	-.36278	462.66128	9.98626	10.01126
.601	GRADIENT	.00087	-.00069	-.00012	.00008	-.00097	.00127	.00238	-.00618	-.00125	-.00191

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 314

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 42/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.711	-.00236	.00148	.00035	-.00146	-.03714	-.24332	-.28085	523.08013	10.00625	10.02127
.701	-2.081	.00001	-.00070	.00026	-.00128	-.03953	-.24166	-.27679	523.37693	9.99625	10.03129
.701	-.993	-.00024	.00014	.00004	-.00100	-.03954	-.23907	-.27162	524.08594	9.99625	10.00125
.700	.062	.00227	-.00248	.00006	-.00111	-.04096	-.23844	-.26972	522.92681	9.99625	9.97122
.700	1.103	.00455	-.00429	-.00013	-.00104	-.04240	-.23738	-.26790	523.23667	9.98626	10.01126
.700	2.180	.00373	-.00287	-.00035	-.00115	-.04407	-.23521	-.26350	523.07363	9.99625	10.01126
.700	3.238	.00480	-.00399	-.00034	-.00123	-.04627	-.23438	-.26104	522.92033	9.97626	10.00125
.701	4.334	.00409	-.00268	-.00056	-.00127	-.04804	-.23052	-.25580	523.77304	9.99625	10.01126
.701	5.382	.00314	-.00185	-.00052	-.00110	-.05060	-.22845	-.25225	523.70620	9.99625	10.02127
.701	6.458	.00257	-.00127	-.00051	-.00147	-.05487	-.22755	-.25062	523.39319	9.98626	10.00125
.700	7.548	.00106	.00086	-.00074	-.00158	-.06056	-.22713	-.24932	523.00672	9.99625	9.98123
.701	8.632	.00120	.00053	-.00067	-.00196	-.06615	-.22718	-.24890	523.55296	9.99625	9.99124
.701	9.717	.00038	.00209	-.00094	-.00103	-.07126	-.22879	-.25065	523.63609	9.96626	10.01126
.700	10.775	-.00041	.00123	-.00030	.00049	-.07265	-.23224	-.25410	523.32630	9.97626	9.97122
.701	11.823	.00016	-.00120	.00039	.00286	-.06919	-.23779	-.26081	523.63283	9.95627	10.01126
.701	12.893	-.00007	.00048	-.00015	.00189	-.07134	-.24454	-.27155	523.94580	9.99625	9.97122
.700	13.977	-.00028	.00299	-.00102	.00028	-.07444	-.25629	-.28841	522.70652	9.98626	9.98123
.701	15.061	.00072	.00204	-.00106	.00054	-.07918	-.26717	-.30302	524.25544	9.99625	10.02127
.701	17.216	.00060	.00283	-.00132	-.00013	-.09473	-.29647	-.34136	523.64259	9.98626	10.02127
.701	19.365	.00051	.00794	-.00322	-.00485	-.09254	-.33034	-.38213	523.47633	9.97626	10.02127
GRADIENT		.00090	-.00061	-.00011	.00002	-.00138	.00148	.00300	.00138	-.00196	-.00169

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TABULATED SOURCE DATA - LA62

PAGE 315

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 35/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-3.705	-.00332	.00153	.00058	-.00102	-.02749	-.24879	-.28230	576.65716	9.98626	10.02127
.800	-2.052	-.00093	-.00112	.00075	-.00140	-.03137	-.24651	-.27756	577.26079	9.98626	10.01126
.799	-.997	.00172	-.00326	.00063	-.00122	-.03338	-.24419	-.27243	576.58379	10.00625	10.01126
.801	.036	.00224	-.00361	.00058	-.00141	-.03568	-.24243	-.26804	577.94984	9.98626	10.03129
.800	1.087	.00414	-.00400	.00007	-.00117	-.03874	-.24074	-.26449	577.05964	9.98626	10.02127
.800	2.229	.00347	-.00311	-.00004	-.00144	-.04217	-.23822	-.26132	576.85843	9.98626	10.02127
.799	3.281	.00401	-.00300	-.00027	-.00144	-.04582	-.23563	-.25670	576.87098	9.99625	10.02127
.799	4.351	.00356	-.00206	-.00047	-.00165	-.05042	-.23340	-.25408	576.65089	9.98626	9.98123
.800	5.432	.00261	-.00119	-.00047	-.00157	-.05656	-.23049	-.25035	577.14554	9.98626	9.99124
.800	6.573	.00215	-.00194	-.00002	-.00090	-.06340	-.23112	-.25045	576.91922	9.99625	9.93117
.798	7.722	.00151	-.00083	-.00022	-.00124	-.06686	-.23272	-.25180	575.90623	9.97626	9.95120
.800	8.675	.00072	.00006	-.00027	-.00084	-.06940	-.23347	-.25128	577.20003	9.96626	9.97122
.799	9.796	-.00095	.00219	-.00049	-.00136	-.06995	-.23808	-.25590	576.51669	9.93627	9.92116
.800	10.845	-.00135	.00260	-.00050	-.00160	-.06835	-.24194	-.26014	577.09104	9.79633	9.92116
.799	11.886	-.00151	.00263	-.00046	-.00096	-.07073	-.25237	-.27270	576.58379	9.95627	9.95120
.799	12.989	-.00113	.00213	-.00040	-.00039	-.07412	-.25701	-.28180	576.87098	9.94627	9.98123
.800	14.086	-.00068	.00181	-.00044	-.00047	-.08246	-.27681	-.30898	576.77252	9.94627	10.00125
.799	15.195	-.00097	.00231	-.00053	.00057	-.09411	-.29068	-.32705	575.96713	9.98626	9.99124
.799	17.394	-.00061	.00286	-.00086	-.00067	-.10511	-.30895	-.34848	576.26072	9.97626	9.99124
.799	19.515	.00039	.00181	-.00083	.00147	-.09540	-.33107	-.37534	576.95688	9.93627	9.97122
GRADIENT		.00087	-.00039	-.00016	-.00005	-.00278	.00193	.00361	-.01811	-.00006	-.00222

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 316

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 29/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-3.778	-.00418	.00089	.00101	-.00099	.00153	-.26888	-.30180	624.60089	9.96626	10.02127
.900	-2.177	-.00245	-.00053	.00099	-.00123	-.00814	-.26376	-.29181	624.80667	9.99625	10.04130
.900	-1.095	-.00003	-.00278	.00106	-.00157	-.01285	-.26163	-.28656	624.77933	10.00625	10.01126
.899	.039	.00081	-.00222	.00058	-.00189	-.01908	-.25927	-.28209	624.42239	9.99625	10.00125
.899	1.081	.00356	-.00430	.00048	-.00196	-.02704	-.25492	-.27688	624.28516	10.00625	9.98123
.899	2.201	.00310	-.00274	.00003	-.00199	-.03739	-.25313	-.27434	624.66038	9.98626	9.97122
.899	3.329	.00319	-.00250	-.00009	-.00180	-.04730	-.25154	-.27151	624.23473	9.98626	10.03129
.899	4.435	.00280	-.00147	-.00035	-.00153	-.05466	-.24878	-.26788	624.53229	9.97626	9.97122
.899	5.474	.00198	-.00112	-.00022	-.00130	-.06007	-.24852	-.26675	624.54140	9.98626	10.00125
.898	6.585	.00267	-.00153	-.00029	-.00065	-.06979	-.25256	-.27029	623.88648	9.98626	9.99124
.899	7.624	-.00001	.00107	-.00040	-.00167	-.07444	-.25758	-.27352	624.22564	9.96626	10.02127
.899	8.822	.00014	.00128	-.00053	-.00199	-.07830	-.26397	-.27938	624.31244	9.98626	9.98123
.899	10.877	-.00080	.00316	-.00093	-.00125	-.08976	-.27852	-.29925	624.69681	9.97626	10.02127
.899	11.969	-.00152	.00129	.00001	-.00125	-.09753	-.29075	-.31458	624.10657	9.97626	9.98123
.898	13.061	-.00033	-.00040	.00026	-.00068	-.10503	-.29919	-.32488	623.81783	10.03624	9.99124
.899	14.153	-.00018	-.00101	.00044	-.00041	-.11067	-.30774	-.33449	624.61910	10.02624	10.00125
.899	15.250	-.00052	.00095	-.00018	.00012	-.11707	-.32187	-.34983	624.29426	9.99625	9.96121
.900	16.372	.00076	.00083	-.00057	-.00009	-.12461	-.33722	-.37347	625.01243	10.00625	9.98123
.898	17.380	.00139	-.00104	-.00008	-.00013	-.12392	-.35021	-.38146	623.80876	9.95627	10.01126
.899	19.560	.00244	.00111	-.00126	.00067	-.11855	-.36918	-.40359	624.32153	9.97626	10.02127
	GRADIENT	.00094	-.00031	-.00019	-.00009	-.00697	.00242	.00400	-.03893	-.00010	-.00555

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 317

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 25/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.804	-.00395	.00065	.00101	-.00176	.01353	-.28293	-.30981	634.87080	10.07622	10.11138
.921	-2.202	-.00131	-.00088	.00075	-.00164	-.00298	-.27556	-.30038	635.00657	10.07622	10.12139
.921	-1.105	-.00023	-.00125	.00055	-.00208	-.01320	-.27362	-.29612	634.65694	10.09621	10.13140
.921	.004	.00127	-.00163	.00022	-.00228	-.02288	-.27152	-.29156	634.62809	10.08622	10.09135
.921	1.093	.00237	-.00145	-.00020	-.00212	-.03444	-.26880	-.28860	634.63771	10.09621	10.09135
.920	2.190	.00333	-.00162	-.00045	-.00196	-.04501	-.26715	-.28698	634.16155	10.04623	10.08134
.920	3.300	.00328	-.00080	-.00074	-.00202	-.05561	-.26665	-.28636	633.89935	10.00625	10.05131
.921	4.401	.00323	-.00091	-.00068	-.00226	-.06646	-.26461	-.28356	634.87080	9.95627	10.00125
.921	5.480	.00307	-.00208	-.00019	-.00174	-.07269	-.26662	-.28211	635.08409	9.84631	9.96121
.921	6.577	.00233	-.00275	.00030	-.00079	-.07675	-.27114	-.28675	634.65694	9.81632	9.81104
.921	7.668	.00265	-.00082	-.00054	-.00100	-.08249	-.27542	-.29076	634.51151	10.03624	10.02127
.921	8.751	.00088	.00070	-.00055	-.00158	-.08913	-.27876	-.29679	634.80237	10.02624	9.96121
.921	9.831	.00009	.00148	-.00059	-.00094	-.09543	-.28399	-.30792	634.73446	10.06623	10.00125
.920	10.913	-.00055	.00122	-.00028	-.00113	-.10108	-.29299	-.32108	634.55954	10.04623	10.00125
.920	12.008	-.00032	-.00100	.00048	-.00085	-.10719	-.30135	-.33151	634.42369	9.93627	9.96121
.921	13.092	-.00098	-.00090	.00066	-.00050	-.11504	-.31079	-.33929	634.84141	9.98626	10.02127
.920	14.174	-.00131	-.00085	.00075	-.00012	-.12025	-.32024	-.34921	634.52112	9.98626	9.98123
.920	15.263	.00020	-.00092	.00028	.0 021	-.12649	-.33130	-.36013	634.00563	9.95627	9.99124
.920	17.451	.00116	-.00111	.00003	.00010	-.13813	-.35915	-.38722	634.48202	10.01624	10.00125
.920	19.587	.00299	-.00028	-.00090	.00095	-.13280	-.38980	-.42109	634.01520	10.04623	10.02127
GRADIENT		.00090	-.00013	-.00024	-.00005	-.00970	.00206	.00300	-.07275	-.01352	-.01298

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 318

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 21/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.837	-.00395	.00100	.00086	-.00105	.00904	-.32762	-.34436	647.19060	10.01624	10.02127
.950	-2.207	-.00242	-.00037	.00090	-.00138	-.01081	-.32070	-.33480	647.19060	9.99625	10.06132
.951	-1.093	-.00087	-.00150	.00084	-.00127	-.02294	-.31878	-.33143	647.41716	10.00625	10.04130
.950	.003	.00130	-.00233	.00048	-.00153	-.03312	-.31519	-.32714	647.03672	10.02624	10.06132
.950	1.105	.00206	-.00210	.00015	-.00150	-.04484	-.31300	-.32411	647.30969	9.99625	10.05131
.950	2.192	.00363	-.00267	-.00012	-.00145	-.05637	-.30955	-.32044	647.13684	10.01624	10.03129
.950	3.305	.00396	-.00242	-.00032	-.00145	-.06849	-.30880	-.31909	647.19060	10.00625	10.01126
.950	4.405	.00279	-.00160	-.00027	-.00118	-.08097	-.30736	-.31950	647.14843	10.03624	9.96121
.950	5.498	.00233	-.00091	-.00038	-.00090	-.09352	-.30849	-.32071	647.07149	9.99625	10.01126
.950	6.603	.00087	-.00050	-.00008	-.00094	-.10023	-.30673	-.32125	647.20219	9.97626	9.96121
.950	7.693	.00025	.00047	-.00026	-.00106	-.10438	-.30741	-.32762	647.02930	9.98626	9.97122
.950	8.789	-.00086	.00163	-.00034	-.00067	-.11126	-.30848	-.33402	646.80256	9.97626	10.06132
.950	9.876	-.00074	.00209	-.00056	-.00050	-.11534	-.31131	-.34106	646.99867	10.04623	9.98123
.950	10.985	.00168	.00102	-.00092	-.00001	-.12192	-.31844	-.35023	646.80256	10.04623	10.03129
.950	12.062	.00496	.00058	-.00180	.00011	-.12830	-.32722	-.35788	646.73718	10.02624	10.04130
.950	13.139	.00974	-.00154	-.00254	.00066	-.13444	-.33907	-.36799	646.83726	9.94627	9.96121
.952	14.246	.01282	-.00370	-.00272	.00106	-.14214	-.35850	-.38957	648.09163	10.01624	9.97122
.952	15.339	.01537	-.00507	-.00304	.00161	-.14535	-.37398	-.40488	647.93075	9.97626	10.04130
.950	17.514	.01827	-.00445	-.00429	.00106	-.14810	-.39713	-.42664	647.08307	9.86630	9.97122
.950	19.682	.02148	-.00520	-.00514	.00108	-.14784	-.43461	-.47110	647.14843	9.97626	9.95120
	GRADIENT	.00098	-.00034	-.00018	-.00002	-.01072	.00242	.00311	-.00844	.00186	-.00700

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 319

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = 10.000 AILRON = .000

RUN NO. 17/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.927	-.00476	.00099	.00109	-.00140	.01214	-.40149	-.42117	659.11698	9.98501	10.02878
.980	-2.188	-.00315	-.00056	.00117	-.00146	-.00977	-.39078	-.40802	659.02517	9.97501	10.02878
.980	-1.092	-.00148	-.00119	.00090	-.00133	-.02125	-.38621	-.40169	658.84198	9.99500	10.04879
.980	.006	.00064	-.00219	.00063	-.00170	-.03150	-.38369	-.39870	659.19319	9.98501	10.02878
.980	1.109	.00211	-.00289	.00045	-.00163	-.04288	-.38112	-.39567	659.02517	9.99500	10.02878
.980	2.207	.00325	-.00320	.00022	-.00159	-.05417	-.37962	-.39407	658.90305	9.98501	10.01877
.980	3.311	.00318	-.00274	.00006	-.00145	-.06621	-.37952	-.39349	659.07061	9.98501	10.00876
.980	4.411	.00224	-.00167	-.00006	-.00145	-.07815	-.38213	-.39490	658.90305	10.02499	9.97873
.980	5.525	.00164	-.00089	-.00017	-.00125	-.09197	-.38814	-.39934	659.04032	9.96502	9.96872
.980	6.611	-.00040	.00067	-.00013	-.00123	-.10210	-.39161	-.40398	658.99440	9.97501	10.04879
.980	7.710	-.00092	.00084	-.00004	-.00154	-.11043	-.39697	-.41146	658.70418	9.98501	10.01877
.980	8.816	-.00196	.00125	.00014	-.00092	-.11734	-.40433	-.42318	658.84198	10.00500	9.99875
.980	9.904	-.00343	.00224	.00022	-.00104	-.12468	-.41222	-.43388	658.93282	10.02499	9.96872
.980	11.008	-.00927	.00334	.00162	-.00152	-.12987	-.42625	-.44916	658.93381	9.98501	10.04879
.979	12.087	-.01144	.00261	.00260	-.00150	-.13562	-.43421	-.45627	658.50463	9.93503	9.96872
.980	13.190	-.01314	.00172	.00348	-.00163	-.14173	-.45599	-.47259	659.33085	10.04498	9.99875
.981	14.276	-.01234	.00174	.00323	-.00122	-.14809	-.46739	-.48452	659.66673	10.03498	10.02878
.980	15.382	-.00363	.00005	.00113	-.00036	-.15183	-.47389	-.49006	658.94847	9.97501	9.97873
.982	17.561	-.00269	-.00129	.00135	-.00045	-.15924	-.49899	-.51866	661.45733	9.95502	10.05880
.979	19.744	-.00097	-.00153	.00090	-.00016	-.16137	-.51421	-.54223	658.49012	10.00500	9.98874
GRADIENT		.00100	-.00039	-.00016	-.00001	-.01060	.00228	.00300	-.01353	.00311	-.00539

RUN NO. 12/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-3.962	-.00471	.00258	.00037	-.00154	.02786	-.40043	-.40923	708.05867	10.01499	10.01877
1.121	-2.194	-.00248	.00076	.00042	-.00150	.00522	-.38997	-.39948	708.32994	10.00500	10.00876
1.120	.022	.00112	-.00078	-.00002	-.00121	-.02819	-.37590	-.38637	707.50187	9.99500	10.04879
1.121	2.219	.00406	-.00191	-.00043	-.00097	-.05830	-.37415	-.38407	707.87698	10.01499	9.99875
1.121	4.423	.00298	-.00023	-.00076	-.00072	-.08471	-.38167	-.38746	707.96895	10.02499	9.95871
1.121	6.611	.00202	.00073	-.00086	-.00055	-.10856	-.39005	-.39691	708.10351	9.95502	9.97873
1.122	8.815	-.00005	.00208	-.00077	-.00060	-.12285	-.39808	-.40423	708.94819	9.98501	10.03878
1.121	11.026	-.00190	.00435	-.00110	-.00088	-.13051	-.40044	-.40659	708.16406	9.99500	10.03878
1.121	13.236	-.00125	.00100	-.00001	.00003	-.13838	-.41750	-.42701	708.02724	9.97501	9.97873
1.120	15.453	-.00046	-.00188	.00085	.00184	-.15474	-.43680	-.45705	708.09227	10.01499	10.03878
1.120	17.644	.00003	-.00133	.00050	.00090	-.16161	-.45521	-.48556	707.75999	9.97501	10.02878
1.119	19.825	-.00018	.00031	-.00006	-.00049	-.16652	-.46273	-.49560	707.44478	9.95502	9.97873
GRADIENT		.00103	-.00038	-.00015	.00010	-.01363	.00246	.00274	-.03005	.00151	-.00626

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 320

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3009) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILCON = .000

RUN NO. 5/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.199	-3.806	-.00190	-.00017	.00059	-.00174	.03075	-.39484	-.40756	729.96789	9.96502	10.02878
1.200	-2.188	.00071	-.00232	.00068	-.00171	.00695	-.38813	-.40152	730.10380	9.98501	10.04879
1.200	-1.081	.00307	-.00375	.00057	-.00177	-.00876	-.38633	-.39715	730.00299	9.98501	10.01877
1.200	.020	.00436	-.00365	.00018	-.00141	-.02499	-.38351	-.39231	730.16012	9.97501	9.99875
1.200	1.104	.00572	-.00392	-.00010	-.00159	-.03977	-.37892	-.38731	730.04386	9.99500	10.01877
1.201	2.210	.00691	-.00425	-.00030	-.00149	-.05350	-.37202	-.38216	730.28796	10.00500	9.98874
1.201	3.311	.00632	-.00398	-.00024	-.00132	-.06733	-.36897	-.37966	730.10776	10.01499	10.02878
1.200	4.405	.00561	-.00298	-.00042	-.00141	-.07957	-.37022	-.37897	730.06516	9.94503	10.00876
1.201	5.504	.00443	-.00215	-.00041	-.00125	-.09232	-.37345	-.38025	730.18721	9.96502	9.96872
1.200	6.606	.00386	-.00157	-.00048	-.00135	-.10316	-.37888	-.38759	730.19500	9.94503	9.96872
1.200	7.695	.00200	-.00041	-.00040	-.00185	-.11365	-.38468	-.39626	730.01666	9.99500	10.02878
1.200	8.910	.00260	-.00034	-.00043	-.00185	-.11365	-.38468	-.39626	730.02435	10.00500	10.01877
1.200	9.912	.00069	.00032	-.00031	-.00181	-.12189	-.38871	-.40114	730.02435	10.01499	9.97873
1.200	11.021	.00053	.00166	-.00078	-.00271	-.12862	-.39245	-.40465	729.93122	10.02499	10.00876
1.200	12.140	.00025	.00104	-.00046	-.00182	-.13240	-.39734	-.40779	730.16785	9.99500	9.95871
1.200	13.231	.00026	.00101	-.00046	-.00182	-.13732	-.40292	-.41613	730.13106	9.98501	10.02878
1.200	14.324	.00111	-.00089	.00002	-.00140	-.14427	-.41114	-.42925	730.24537	10.03498	9.96872
1.200	15.427	.00017	-.00109	.00036	-.00112	-.14939	-.41850	-.43701	730.09424	10.03498	10.01877
1.200	17.634	.00102	-.00045	-.00013	-.00129	-.15471	-.42708	-.44845	729.87314	9.94503	9.96872
1.200	19.825	.00144	-.00017	-.00036	-.00107	-.16293	-.43972	-.46671	730.05934	9.99500	9.95871
1.201	GRADIENT	.00099	-.00033	-.00015	.00005	-.01350	-.45129	-.48346	730.72782	.00108	-.00321
							.00329	.00375	.01559		

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 321

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 94/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CPI	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-4.010	-.00264	-.00546	.00322	.00472	.17856	-.20133	-.23199	461.91578	-17.99450	-22.02928
.600	-2.343	-.00076	-.00801	.00337	.00456	.17048	-.20064	-.22878	461.58032	-18.00450	-22.03928
.600	-1.283	.00017	-.00878	.00325	.00531	.16697	-.19902	-.22525	462.50187	-18.01450	-22.02928
.600	-.229	.00117	-.00997	.00326	.00501	.16428	-.19976	-.22466	461.99717	-18.01450	-22.03928
.600	.842	.00280	-.01108	.00298	.00566	.16178	-.19901	-.22271	462.16815	-18.02451	-22.02928
.600	1.887	.00301	-.01038	.00261	.00604	.15956	-.19984	-.22271	461.83274	-18.01450	-22.03928
.600	2.946	.00274	-.01023	.00267	.00607	.15648	-.19995	-.22301	461.58032	-17.99450	-22.00926
.600	4.012	.00314	-.01023	.00250	.00611	.15326	-.19937	-.22343	461.74478	-18.00450	-22.00926
.600	5.059	.00373	-.01013	.00220	.00589	.15145	-.20009	-.22602	461.66174	-18.00450	-22.00926
.600	6.126	.00321	-.00983	.00231	.00575	.15021	-.20077	-.22941	461.66010	-17.97449	-21.99925
.600	7.187	.00184	-.00820	.00229	.00579	.14977	-.20167	-.23250	461.91578	-18.02451	-22.00926
.600	8.250	.00224	-.00916	.00248	.00593	.14932	-.20509	-.23453	461.91414	-17.98450	-22.00926
.600	9.312	.00122	-.00826	.00259	.00622	.15011	-.20827	-.23499	461.99553	-18.00450	-22.00926
.600	10.383	.00117	-.00835	.00265	.00664	.15075	-.21167	-.23687	461.65846	-18.02451	-22.00926
.600	11.437	.00045	-.00733	.00257	.00644	.15108	-.21277	-.23730	461.49727	-18.00450	-22.00926
.600	12.500	.00173	-.00887	.00259	.00600	.15137	-.21473	-.23873	461.65337	-17.99450	-22.01927
.600	13.574	.00085	-.00748	.00245	.00535	.14590	-.21938	-.24367	462.25118	-18.01450	-22.01927
.600	14.637	.00064	-.00737	.00250	.00478	.14619	-.22261	-.24874	462.24789	-18.01450	-22.01927
.600	16.781	.00229	-.00924	.00246	.00519	.14499	-.22393	-.25789	461.66665	-17.99450	-22.02928
.600	18.883	.00166	-.00440	.00090	.00206	.14647	-.23546	-.27764	462.08184	-17.99450	-22.03928
.600	GRADIENT	.00074	-.00056	-.00011	.00021	-.00294	.00018	.00108	-.03087	-.00047	.00277

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TABULATED SOURCE DATA - LA62

PAGE 322

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 88/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-4.013	-.00290	-.00804	.00406	.00426	.20436	-.21697	-.24794	577.39487	-17.98450	-22.03479
.801	-2.432	-.00072	-.01052	.00424	.00510	.19132	-.21425	-.24250	577.80325	-18.01450	-22.03479
.800	-1.337	.00190	-.01214	.00393	.00493	.18328	-.21246	-.23981	577.04079	-18.02451	-22.04480
.800	-.263	.00407	-.01304	.00352	.00492	.17776	-.21001	-.23804	577.04707	-18.03451	-22.06482
.800	.818	.00479	-.01232	.00299	.00515	.17275	-.20962	-.23739	576.97373	-18.02451	-22.02478
.800	1.890	.00558	-.01216	.00266	.00524	.16849	-.20703	-.23466	577.33857	-18.01450	-22.02478
.799	2.967	.00578	-.01160	.00237	.00543	.16405	-.20589	-.23396	576.71171	-18.02451	-22.03479
.800	4.059	.00559	-.01155	.00242	.00558	.15985	-.20401	-.23260	577.46189	-18.02451	-22.04480
.800	5.142	.00516	-.01118	.00242	.00553	.15541	-.20322	-.23238	576.96745	-18.03451	-22.04480
.800	6.216	.00453	-.01084	.00251	.00558	.15134	-.20183	-.23260	577.46189	-18.00450	-22.01477
.800	7.303	.00367	-.01006	.00251	.00543	.14517	-.20300	-.23527	577.20003	-18.00450	-22.03479
.800	8.404	.00328	-.00945	.00242	.00531	.13961	-.20478	-.23704	577.18746	-18.00450	-22.03479
.800	9.493	.00239	-.00861	.00241	.00476	.13440	-.20832	-.23813	577.18746	-18.02451	-22.03479
.800	10.565	.00211	-.00758	.00212	.00393	.13021	-.21220	-.23915	576.99257	-18.03451	-22.03479
.800	11.665	.00104	-.00601	.00191	.00323	.12767	-.21869	-.24491	577.53521	-18.00450	-22.04480
.800	12.753	.00127	-.00714	.00225	.00321	.12516	-.22176	-.24959	577.33412	-18.00450	-22.05481
.801	13.841	.00255	-.00852	.00231	.00342	.12128	-.22698	-.25489	577.96876	-18.03451	-22.04480
.800	14.916	.00239	-.00801	.00217	.00331	.11626	-.23106	-.25766	576.85215	-18.03451	-22.07483
.800	17.082	.00150	-.00342	.00075	.00177	.10576	-.24204	-.27438	577.38228	-18.04451	-22.02478
.800	19.249	.00302	-.00342	.00018	.00155	.10007	-.25881	-.29975	577.34041	-18.01450	-22.04480
	GRADIENT	.00111	-.00033	-.00026	.00013	-.00532	.00159	.00178	-.04256	-.00328	.00027

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TABULATED SOURCE DATA - LA62

PAGE 323

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3010) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 60/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.037	-.00777	-.01138	.00646	.00399	.24658	-.35602	-.41609	730.00895	-17.99775	-22.02101
1.201	-2.362	-.00555	-.01277	.00637	.00408	.21263	-.35225	-.41543	730.15032	-18.01775	-22.01101
1.201	-1.244	-.00311	-.01427	.00626	.00361	.18994	-.35297	-.41377	730.40768	-18.00775	-22.02101
1.201	-.138	-.00100	-.01491	.00592	.00243	.16796	-.35819	-.41363	730.27786	-17.99775	-22.01101
1.201	.956	.00023	-.01621	.00608	.00273	.14955	-.36185	-.41288	730.18721	-17.99775	-21.98099
1.200	2.062	.00165	-.01815	.00642	.00392	.13524	-.36731	-.41371	730.16592	-18.01775	-21.98099
1.201	3.154	.00181	-.01771	.00621	.00270	.11817	-.37230	-.41653	730.24323	-18.03775	-22.01101
1.201	4.265	.00095	-.01742	.00633	.00236	.10459	-.37600	-.42011	730.28573	-18.00775	-22.01101
1.201	5.370	.00058	-.01658	.00612	.00185	.09070	-.37931	-.42373	730.19286	-18.03775	-22.03102
1.201	6.471	-.00105	-.01500	.00597	.00140	.07668	-.38313	-.42377	730.32269	-18.00775	-22.01101
1.200	7.577	-.00198	-.01363	.00571	.00091	.06469	-.38966	-.42310	730.03609	-18.04774	-22.05103
1.201	8.683	-.00290	-.01286	.00568	.00089	.05473	-.39615	-.42592	730.12904	-17.98775	-22.02101
1.200	9.780	-.00439	-.01236	.00591	.00188	.04696	-.40238	-.42879	730.26667	-17.99775	-22.01101
1.200	10.899	-.00459	-.01160	.00568	.00241	.04095	-.40534	-.43357	730.00895	-18.00775	-22.02101
1.199	11.999	-.00427	-.00880	.00454	.00263	.03460	-.39851	-.43450	729.85943	-18.01775	-22.02101
1.201	13.118	-.00213	-.00680	.00318	.00273	.02516	-.39360	-.44094	730.39650	-18.01775	-22.03102
1.201	14.216	-.00200	-.00630	.00295	.00248	.01808	-.40140	-.45429	730.30142	-18.01775	-22.03102
1.200	15.319	-.00197	-.00510	.00250	.00217	.01286	-.41484	-.45224	730.17369	-18.02775	-22.03102
1.200	17.527	-.00132	-.00347	.00169	.00180	.00557	-.43066	-.44848	730.11745	-17.98775	-22.00100
1.200	19.723	-.00022	-.00391	.00155	.00208	.00256	-.44225	-.46249	729.98761	-18.01775	-22.02101
GRADIENT	.00118	-.00083	-.00001	-.00018	-.00018	-.01712	-.00289	-.00031	.01785	-.00210	.00233

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 324

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3011) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 95/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.977	-.00278	-.00607	.00352	.00668	.15598	-.19940	-.22653	461.66174	-13.04326	-17.05492
.600	-2.309	-.00154	-.00755	.00353	.00634	.14691	-.19768	-.22242	462.08348	-13.00325	-17.01489
.600	-1.254	.00206	-.01132	.00339	.00654	.14419	-.19774	-.22043	462.33748	-13.01325	-17.03491
.600	-.197	.00194	-.01087	.00327	.00650	.14203	-.19829	-.21983	461.49891	-13.02326	-17.02490
.600	.864	.00252	-.01072	.00296	.00661	.14060	-.19781	-.21780	462.16651	-13.03326	-17.02490
.600	1.920	.00361	-.01170	.00285	.00709	.13943	-.19827	-.21826	461.91085	-13.05326	-17.02490
.600	2.975	.00472	-.01269	.00274	.00721	.13813	-.19906	-.21941	461.66337	-12.99325	-17.03491
.600	4.033	.00439	-.01196	.00261	.00718	.13665	-.19842	-.21975	462.33090	-13.00325	-17.03491
.600	5.092	.00278	-.01007	.00259	.00733	.13600	-.19943	-.22199	461.23992	-13.00325	-17.04491
.600	6.142	.00248	-.00970	.00259	.00737	.13471	-.19802	-.22106	462.08184	-13.02326	-17.02490
.600	7.217	.00237	-.00958	.00258	.00746	.13378	-.19778	-.22098	462.24953	-13.00325	-17.04491
.600	8.274	.00148	-.00901	.00276	.00753	.13290	-.19925	-.22161	461.99881	-13.00325	-17.03491
.600	9.338	.00072	-.00825	.00281	.00737	.13205	-.20124	-.22292	461.74970	-13.01325	-17.01489
.599	10.401	.00095	-.00823	.00269	.00749	.13215	-.20360	-.22479	461.07868	-13.02326	-17.02490
.600	11.477	.00049	-.00732	.00255	.00744	.13302	-.20395	-.22542	462.50187	-13.01325	-17.02490
.599	12.536	.00080	-.00771	.00256	.00733	.13386	-.20837	-.23006	461.08031	-13.02326	-17.03491
.600	13.600	.00115	-.00749	.00232	.00693	.12847	-.21473	-.23595	461.66010	-12.99325	-17.03491
.600	14.672	-.00020	-.00680	.00266	.00732	.12684	-.21652	-.23866	461.49400	-13.01325	-17.02490
.600	16.800	.00148	-.00644	.00176	.00755	.12409	-.22197	-.25477	461.49564	-13.03326	-17.03491
.600	18.930	.00282	-.00632	.00109	.00495	.12330	-.23771	-.27887	461.99389	-13.04326	-17.04491
GRADIENT		.00094	-.00074	-.00013	.00010	-.00214	.00000	.00080	.02362	.00231	.00100

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 325

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3011) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -15.000 AILRON = 2.000

RUN NO. 59/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.968	-.00809	-.01457	.00776	.00502	.21442	-.35883	-.39764	730.32483	-12.99838	-16.99850
1.201	-2.300	-.00757	-.01661	.00838	.00468	.18197	-.35383	-.39385	730.30142	-12.98838	-17.02851
1.201	-1.193	-.00522	-.01846	.00843	.00418	.16104	-.34947	-.39262	730.17160	-13.03837	-17.04852
1.201	-.091	-.00337	-.01869	.00801	.00372	.14094	-.34887	-.39245	730.32031	-13.03837	-17.00850
1.201	1.008	-.00141	-.01851	.00740	.00391	.12263	-.35274	-.39223	730.12680	-13.01837	-17.01851
1.201	2.110	.00017	-.01873	.00705	.00376	.10526	-.35568	-.39131	730.18502	-13.00837	-16.97849
1.200	3.219	.00051	-.01843	.00684	.00377	.09136	-.35900	-.39247	730.05738	-13.01837	-17.00850
1.201	4.319	.00006	-.01753	.00662	.00395	.07778	-.36353	-.39536	730.25106	-13.03837	-17.01851
1.201	5.397	-.00004	-.01628	.00618	.00418	.06530	-.36840	-.39850	730.23759	-13.05837	-17.03852
1.200	6.510	-.00081	-.01300	.00515	.00412	.05256	-.37535	-.40360	730.12331	-13.02837	-17.02851
1.200	7.626	-.00078	-.01082	.00432	.00445	.04076	-.37878	-.40799	729.85776	-13.01837	-17.00850
1.200	8.727	-.00134	-.00981	.00409	.00448	.03291	-.38159	-.41443	730.01666	-13.04837	-17.02851
1.200	9.810	-.00218	-.00908	.00405	.00474	.02590	-.38067	-.42013	730.21630	-13.02837	-17.00850
1.200	10.931	-.00242	-.00769	.00359	.00387	.01971	-.37990	-.42668	730.00701	-12.98838	-16.98849
1.200	12.028	-.00288	-.00622	.00317	.00340	.01422	-.38436	-.43198	730.01478	-13.03837	-17.02851
1.201	13.148	-.00298	-.00482	.00267	.00294	.00751	-.39673	-.42671	730.25887	-13.07837	-17.03852
1.200	14.252	-.00241	-.00466	.00245	.00299	.00111	-.40938	-.42548	730.07293	-13.02837	-16.96848
1.200	15.354	-.00180	-.00524	.00250	.00285	-.00381	-.41720	-.42661	729.95855	-13.03837	-17.01851
1.200	17.551	-.00077	-.00319	.00143	.00311	-.01182	-.43410	-.44858	730.45466	-12.96838	-17.01851
1.200	19.730	.00046	-.00305	.00102	.00339	-.01576	-.44488	-.45986	729.85177	-13.00837	-17.00850
	GRADIENT	.00119	-.00033	-.00020	-.00014	-.01657	-.00077	.00031	-.01979	-.00337	.00143

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 326

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 96/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CPI	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.933	-.00236	-.00449	.00273	.00807	.12567	-.20331	-.23111	461.32625	-7.98200	-12.00050
.600	-2.272	-.00052	-.00730	.00299	.00802	.11943	-.20141	-.22665	461.74478	-7.98200	-12.01051
.600	-1.214	.00153	-.00907	.00277	.00811	.11739	-.20050	-.22402	462.24953	-7.99200	-12.01051
.600	-.157	.00251	-.00959	.00253	.00826	.11505	-.20037	-.22271	462.16651	-7.97199	-12.01051
.600	.911	.00449	-.01111	.00225	.00827	.11384	-.19993	-.22127	461.99881	-7.99200	-12.00050
.600	1.958	.00501	-.01174	.00226	.00827	.11247	-.20071	-.22140	461.41094	-8.00200	-12.01051
.599	3.025	.00573	-.01197	.00202	.00809	.11084	-.20119	-.22072	460.74147	-8.00200	-12.01051
.600	4.075	.00420	-.01029	.00206	.00807	.10934	-.20022	-.21903	461.74806	-7.99200	-12.00050
.600	5.124	.00524	-.01154	.00207	.00791	.10807	-.19999	-.21864	461.49564	-7.98200	-12.00050
.600	6.193	.00397	-.00987	.00199	.00764	.10712	-.19935	-.21919	461.41258	-8.00200	-12.00050
.600	7.256	.00326	-.00917	.00204	.00770	.10637	-.19791	-.21822	462.33255	-7.98200	-12.00050
.600	8.316	.00177	-.00757	.00209	.00763	.10581	-.19941	-.21992	461.66501	-7.98200	-11.99049
.600	9.369	.00215	-.00787	.00203	.00808	.10555	-.20014	-.21945	461.91085	-7.98200	-12.00050
.600	10.444	.00234	-.00857	.00221	.00827	.10702	-.20133	-.22064	461.91578	-8.00200	-12.01051
.600	11.510	.00015	-.00529	.00194	.00832	.10805	-.20461	-.22203	461.83110	-8.00200	-12.01051
.600	12.580	.00093	-.00574	.00176	.00834	.10831	-.20692	-.22381	462.33419	-7.99200	-12.01051
.601	13.644	.00092	-.00621	.00194	.00747	.09835	-.21420	-.23341	462.75088	-8.00200	-12.02052
.600	14.718	.00063	-.00603	.00200	.00771	.09627	-.21861	-.24103	462.41556	-8.00200	-12.03053
.600	16.844	.00093	-.00432	.00121	.00809	.09073	-.22856	-.26026	462.25118	-8.02201	-12.02052
.600	18.976	.00225	-.00388	.00043	.00530	.08511	-.25118	-.29180	461.66337	-7.98200	-12.01051
	GRADIENT	.00097	-.00081	-.00012	.00001	-.00189	.00026	.00135	-.04448	-.00233	.00003

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 327

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 93/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.990	-.00294	-.00508	.00306	.00652	.13306	-.20370	-.23247	522.21726	-8.00200	-12.01051
.699	-2.294	-.00030	-.00830	.00326	.00636	.12379	-.20115	-.22651	521.82079	-8.01200	-12.02052
.700	-1.235	.00075	-.00868	.00300	.00681	.11940	-.19997	-.22337	522.13086	-8.02201	-12.02052
.700	-.173	.00307	-.01041	.00275	.00673	.11663	-.19958	-.22104	521.97099	-8.01200	-12.04054
.700	.893	.00309	-.00985	.00254	.00662	.11480	-.19928	-.21909	521.97422	-8.01200	-12.02052
.699	1.960	.00554	-.01214	.00245	.00655	.11305	-.19892	-.21710	521.74729	-8.02201	-12.03053
.699	3.029	.00596	-.01216	.00230	.00661	.11150	-.19836	-.21596	521.27075	-8.02201	-12.03053
.699	4.109	.00450	-.01104	.00244	.00647	.10980	-.19693	-.21526	521.82079	-8.03201	-12.04054
.699	5.155	.00428	-.01025	.00222	.00636	.10864	-.19615	-.21480	521.50742	-8.02201	-12.04054
.699	6.234	.00382	-.01006	.00232	.00637	.10757	-.19497	-.21451	521.82401	-8.03201	-12.05054
.700	7.298	.00273	-.00861	.00220	.00628	.10662	-.19391	-.21554	522.21402	-8.02201	-12.05054
.699	8.382	.00284	-.00860	.00215	.00675	.10502	-.19389	-.21538	521.90396	-8.01200	-12.06055
.699	9.456	.00109	-.00633	.00197	.00706	.10392	-.19497	-.21631	521.83046	-8.01200	-12.07056
.699	10.534	.00206	-.00580	.00139	.00686	.10254	-.19778	-.21852	521.59382	-7.99200	-12.03053
.700	11.592	.00258	-.00607	.00128	.00606	.09743	-.20169	-.21922	522.68061	-8.03201	-12.03053
.699	12.687	.00195	-.00569	.00138	.00640	.09539	-.20828	-.22508	521.35071	-8.03201	-12.04054
.700	13.743	.00192	-.00565	.00138	.00630	.09244	-.21277	-.23191	522.13086	-8.02201	-12.02052
.699	14.821	.00167	-.00467	.00110	.00651	.09168	-.21870	-.24309	521.66089	-8.03201	-12.02052
.699	16.977	.00309	-.00581	.00095	.00731	.08788	-.23498	-.26815	521.66411	-8.02201	-12.03053
.700	19.129	.00435	-.00621	.00057	.00521	.08696	-.25820	-.29977	522.21402	-8.02201	-12.05054
GRADIENT		.00105	-.00077	-.00012	.00000	-.00266	.00070	.00209	-.07153	-.00281	-.00292

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TABULATED SOURCE DATA - LA62

PAGE 328

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 87/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.927	-.00175	-.00701	.00327	.00624	.14524	-.21150	-.23655	577.04707	-8.02201	-12.00350
.800	-2.309	-.00045	-.00956	.00378	.00590	.13313	-.20921	-.23195	577.38228	-8.02201	-12.01352
.800	-1.257	.00083	-.00976	.00340	.00590	.12668	-.20728	-.22692	577.04707	-8.05201	-12.00350
.801	-.167	.00207	-.01041	.00322	.00596	.12231	-.20540	-.22286	577.80325	-8.03201	-12.01352
.800	.935	.00488	-.01205	.00286	.00585	.11868	-.20351	-.22031	577.32783	-8.03201	-12.03354
.800	1.980	.00426	-.01082	.00261	.00589	.11575	-.20249	-.21876	577.12041	-8.03201	-12.04355
.800	3.068	.00549	-.01162	.00248	.00601	.11262	-.20138	-.21793	576.75997	-8.03201	-12.03354
.800	4.136	.00538	-.01113	.00233	.00604	.10989	-.20006	-.21729	577.04707	-8.01200	-12.03354
.800	5.246	.00607	-.01167	.00229	.00556	.10633	-.19764	-.21666	576.91294	-8.02201	-12.02353
.799	6.294	.00361	-.00911	.00218	.00582	.10224	-.19902	-.21968	576.01552	-8.02201	-12.02353
.800	7.395	.00248	-.00738	.00192	.00571	.09555	-.19754	-.21788	577.68184	-8.01200	-12.02353
.800	8.485	.00241	-.00695	.00178	.00503	.09095	-.19962	-.22065	577.12669	-8.00200	-12.02353
.800	9.564	.00256	-.00670	.00163	.00431	.08978	-.20237	-.22380	577.05964	-8.02201	-12.04355
.800	10.640	.00250	-.00637	.00152	.00334	.09145	-.20513	-.22517	577.38857	-8.01200	-12.04355
.800	11.712	.00117	-.00520	.00155	.00383	.09219	-.20950	-.22709	577.33412	-8.02201	-12.04355
.800	12.782	.00022	-.00453	.00164	.00453	.08960	-.21568	-.23162	577.18746	-8.03201	-12.06357
.800	13.853	.00097	-.00448	.00135	.00318	.08709	-.22040	-.23930	577.32154	-8.05201	-12.04355
.799	14.929	.00125	-.00488	.00139	.00293	.08653	-.22834	-.25075	576.47908	-8.01200	-12.04355
.800	17.104	.00228	-.00294	.00028	.00360	.08059	-.24573	-.27536	576.99885	-8.00200	-12.03354
.800	19.254	.00335	-.00401	.00026	.00519	.08012	-.27293	-.31599	577.13298	-8.00200	-12.04355
	GRADIENT	.00099	-.00048	-.00016	-.00001	-.00415	.00144	.00248	-.03268	.00074	-.00478

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 329

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BET = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -10.000 AILRON = 2.000

RUN NO. 82/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-4.018	-.00260	-.01084	.00495	.00573	.18102	-.24118	-.26124	624.51408	-8.01200	-12.00350
.900	-2.358	-.00084	-.01263	.00506	.00538	.16756	-.23692	-.25747	625.14513	-8.02201	-12.00350
.900	-1.278	.00080	-.01303	.00468	.00556	.15726	-.23215	-.25161	624.77021	-8.01200	-12.01352
.900	-.186	.00345	-.01514	.00462	.00557	.14928	-.23047	-.24881	624.88000	-8.02201	-12.01352
.899	.914	.00545	-.01561	.00415	.00594	.14146	-.22829	-.24602	624.66038	-8.03201	-12.01352
.900	2.025	.00625	-.01562	.00390	.00621	.13223	-.22694	-.24505	624.89825	-8.02201	-12.03354
.899	3.101	.00730	-.01575	.00361	.00587	.12077	-.22478	-.24291	624.59178	-8.02201	-12.04355
.900	4.224	.00621	-.01460	.00352	.00535	.10912	-.22319	-.24257	624.82055	-8.01200	-12.04355
.899	5.308	.00543	-.01324	.00325	.00493	.09985	-.22169	-.24284	624.45459	-7.99200	-12.00350
.899	6.386	.00573	-.01247	.00286	.00460	.09153	-.21811	-.24166	624.59178	-8.01200	-12.01352
.899	7.486	.00488	-.01126	.00267	.00338	.08585	-.21509	-.24116	624.59178	-8.00200	-12.01352
.899	8.569	.00489	-.01044	.00236	.00196	.08165	-.21786	-.24617	624.59178	-7.99200	-12.03354
.900	9.656	.00313	-.00935	.00252	.00253	.08135	-.21964	-.24843	624.90737	-8.00200	-11.98348
.899	10.724	.00245	-.00960	.00283	.00182	.07494	-.22463	-.24915	624.66949	-7.98200	-12.00350
.899	11.806	.00053	-.00814	.00291	.00119	.06921	-.22844	-.24705	624.59178	-8.00200	-12.01352
.900	12.898	-.00049	-.00698	.00280	.00191	.06676	-.23322	-.25054	624.94857	-7.99200	-12.00350
.899	13.984	.00154	-.00536	.00151	.00279	.06582	-.23931	-.25912	624.48190	-7.98200	-12.02353
.899	15.048	.00225	-.00444	.00093	.00333	.06551	-.24794	-.26834	624.61910	-8.00200	-12.03354
.900	17.231	.00167	-.00307	.00060	.00305	.06257	-.26721	-.29413	625.21369	-8.04201	-12.04355
.899	19.388	.00096	-.00215	.00048	.00290	.06664	-.29615	-.32512	624.11565	-8.04201	-12.03354
GRADIENT		.00126	-.00053	-.00021	.00002	-.00854	.00214	.00237	-.00169	-.00047	-.00556

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 330

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 74/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.919	-4.103	-.00351	-.01078	.00521	.00497	.19656	-.24965	-.27140	633.40448	-8.04799	-11.99450
.919	-2.351	-.00172	-.01192	.00506	.00510	.17929	-.24276	-.26357	632.94775	-7.98800	-11.99450
.919	-1.284	.00045	-.01369	.00504	.00517	.17120	-.23890	-.25761	633.28767	-8.00800	-12.00450
.920	-.188	.00272	-.01521	.00489	.00529	.16281	-.23489	-.25275	633.37576	-8.00800	-12.00450
.919	.920	.00480	-.01587	.00448	.00546	.15263	-.23288	-.25113	633.11346	-7.96800	-12.00450
.920	2.023	.00385	-.01426	.00417	.00575	.14040	-.23008	-.24771	633.62842	-8.01800	-12.02451
.920	3.111	.00535	-.01477	.00389	.00544	.12830	-.22751	-.24600	633.87140	-7.99800	-11.99450
.920	4.219	.00434	-.01371	.00381	.00519	.11616	-.22447	-.24434	633.70595	-8.01800	-12.00450
.919	5.316	.00460	-.01341	.00360	.00453	.10561	-.22365	-.24504	632.59700	-8.01800	-12.01451
.920	6.400	.00396	-.01216	.00333	.00448	.09824	-.21901	-.24310	633.71553	-8.00800	-12.01451
.919	7.479	.00407	-.01133	.00298	.00403	.09341	-.21833	-.24479	633.21013	-8.01800	-12.03451
.919	8.585	.00618	-.01050	.00198	.00237	.08667	-.21979	-.24810	633.27810	-7.97801	-12.03451
.919	9.670	.00178	-.00868	.00271	.00296	.07890	-.22477	-.24726	632.90841	-7.98800	-12.03451
.919	10.763	.00029	-.00704	.00257	.00223	.06927	-.22982	-.24573	633.33651	-7.98800	-12.03451
.920	11.838	-.00098	-.00735	.00310	.00178	.06188	-.23422	-.24825	633.49252	-8.00800	-12.03451
.920	12.911	-.00158	-.00576	.00270	.00214	.05725	-.24268	-.25902	633.45330	-8.02799	-12.02451
.920	14.006	-.00066	-.00621	.00257	.00264	.05548	-.25285	-.26989	633.44372	-8.02799	-12.03451
.919	15.089	-.00073	-.00275	.00128	.00349	.05226	-.26007	-.28054	633.40448	-8.02799	-12.05452
.920	17.270	-.00014	-.00351	.00138	.00336	.04579	-.28046	-.30837	633.58921	-8.02799	-12.05452
.919	19.414	.00217	-.00325	.00050	.00310	.04588	-.30892	-.34105	633.23891	-8.01900	-12.03451
GRADIENT		.00107	-.00040	-.0001	.00005	-.00950	.00292	.00322	.07374	.00190	-.00138

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 331

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 61/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-4.012	-.00581	-.01024	.00569	.00569	.21881	-.26864	-.28393	647.05246	-7.99900	-11.99600
.951	-2.326	-.00358	-.01288	.00599	.00568	.19718	-.26342	-.27558	647.74652	-8.01900	-12.00600
.952	-1.222	-.00212	-.01437	.00610	.00574	.18640	-.25980	-.27125	647.71161	-7.97900	-12.00600
.951	-.128	.00114	-.01648	.00589	.00610	.17606	-.25563	-.26759	647.13992	-7.98900	-12.02601
.950	.977	.00223	-.01665	.00561	.00622	.16337	-.25183	-.26429	646.88284	-7.99900	-12.02601
.950	2.078	.00470	-.01798	.00534	.00634	.14953	-.24778	-.26231	647.00193	-8.00900	-12.03602
.951	3.182	.00326	-.01590	.00500	.00601	.13388	-.24421	-.26117	647.13261	-7.99900	-12.03602
.951	4.296	.00275	-.01575	.00510	.00564	.11893	-.24234	-.25871	647.26328	-8.00900	-12.00600
.950	5.402	.00303	-.01512	.00478	.00507	.10558	-.24123	-.25797	646.95978	-8.02900	-12.01601
.950	6.486	.00086	-.01228	.00438	.00478	.09421	-.24043	-.25753	647.13684	-7.98900	-12.00600
.951	7.587	.00026	-.01156	.00430	.00472	.08467	-.24169	-.25987	647.37503	-7.98900	-12.01601
.950	8.678	.00004	-.01164	.00439	.00523	.07686	-.24331	-.26270	647.24435	-8.00900	-12.02601
.950	9.770	-.00101	-.00768	.00323	.00366	.06492	-.24799	-.26519	646.72153	-8.03900	-12.05603
.951	10.869	-.00179	-.00794	.00358	.00346	.05648	-.25499	-.27009	647.20955	-8.04899	-12.03602
.950	11.947	.00142	-.00718	.00227	.00303	.04749	-.26616	-.28013	646.89443	-8.01900	-12.03602
.951	13.049	.00679	-.00819	.00093	.00377	.03988	-.27716	-.29313	647.35183	-8.05899	-12.06603
.950	14.134	.01007	-.00557	-.00113	.00414	.03434	-.29022	-.30820	647.16741	-8.03900	-12.04602
.950	15.229	.01254	-.00743	-.00124	.00442	.03185	-.30465	-.32559	646.94077	-8.02900	-12.03602
.950	17.417	.01806	-.00945	-.00232	.00544	.02757	-.33914	-.36102	646.98296	-8.07899	-12.06603
.950	19.590	-.00144	-.00224	.00132	.00424	.02646	-.36845	-.39117	646.92919	-8.02900	-12.03602
GRADIENT		.00120	-.00069	-.00012	.00003	-.01177	.00331	.00292	-.03721	-.00071	-.00328

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 332

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 73/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-4.087	-.00700	-.01008	.00597	.00569	.21895	-.33412	-.34941	658.78140	-8.01800	-11.99450
.980	-2.371	-.00322	-.01376	.00620	.00577	.19679	-.32397	-.33610	658.67532	-7.99800	-12.01451
.980	-1.265	-.00083	-.01556	.00614	.00597	.18458	-.31886	-.32947	658.81215	-8.02799	-12.00450
.980	-.169	.00125	-.01710	.00609	.00583	.17398	-.31499	-.32421	658.64458	-7.99800	-12.01451
.980	.938	.00251	-.01750	.00586	.00610	.16159	-.31035	-.31910	658.56792	-8.00800	-12.03451
.980	2.038	.00401	-.01766	.00546	.00607	.14823	-.30757	-.31669	658.59821	-7.99800	-12.01451
.980	3.146	.00432	-.01641	.00489	.00584	.13254	-.30534	-.31506	658.47608	-7.99900	-11.98449
.980	4.252	.00359	-.01483	.00451	.00559	.11794	-.30744	-.31692	658.56743	-8.00800	-12.00450
.980	5.350	.00316	-.01440	.00448	.00527	.10504	-.31039	-.31973	658.68956	-8.01900	-12.02451
.980	6.448	.00143	-.01199	.00410	.00478	.09385	-.31391	-.32383	658.46042	-8.00800	-12.02451
.980	7.548	.00106	-.01194	.00419	.00482	.08324	-.31898	-.32876	658.32313	-7.99800	-12.00450
.980	8.645	.00022	-.01138	.00424	.00510	.07436	-.32621	-.33691	658.41443	-8.01800	-12.01451
.980	9.744	-.00211	-.00968	.00432	.00447	.06326	-.33462	-.34517	658.27718	-7.99800	-12.00450
.979	10.840	-.00518	-.00654	.00409	.00294	.05280	-.34374	-.35426	658.03223	-8.02799	-12.03451
.980	11.927	-.01004	-.00626	.00551	.00226	.04271	-.35997	-.37017	658.50636	-8.00800	-12.00450
.979	13.031	-.01069	-.00502	.00526	.00242	.03436	-.37744	-.38709	658.27660	-7.99800	-12.01451
.981	14.120	-.00362	-.00572	.00331	.00333	.02973	-.39686	-.40595	659.22468	-8.02799	-12.03451
.980	15.224	-.00184	-.00319	.00179	.00417	.02452	-.41136	-.41979	658.65928	-8.00800	-12.00450
.978	17.408	-.00246	-.00605	.00308	.00426	.01590	-.43562	-.44683	657.67849	-8.03799	-12.02451
.980	19.599	-.00055	-.00296	.00130	.00384	.00665	-.46205	-.47812	658.56690	-8.03799	-12.02451
GRADIENT		.00134	-.00058	-.00019	.00000	-.01186	.00333	.00395	-.03307	.00159	.00015

DATE 12 NOV 75

TABULATED SOURCE DATA - LA52

PAGE 333

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 68/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-3.964	-.00816	-.01193	.00685	.00482	.19832	-.33908	-.38170	707.84990	-8.02799	-12.05452
1.120	-2.338	-.00723	-.01304	.00700	.00412	.17478	-.33250	-.37049	708.00033	-7.99800	-11.99450
1.120	-1.241	-.00498	-.01444	.00689	.00360	.15612	-.32926	-.36464	707.69738	-7.99800	-12.01451
1.120	-.113	-.00296	-.01513	.00657	.00398	.13608	-.33361	-.36377	707.72870	-8.00800	-12.03451
1.120	.980	-.00025	-.01593	.00610	.00394	.11757	-.33447	-.36053	707.66604	-8.03799	-12.05452
1.120	2.099	.00060	-.01424	.00522	.00374	.09878	-.33724	-.36186	707.66604	-7.95801	-12.04452
1.120	3.187	.00118	-.01391	.00493	.00377	.08413	-.34037	-.36465	707.40998	-8.00800	-11.96449
1.120	4.292	.00033	-.01266	.00470	.00404	.06954	-.34620	-.37055	707.74231	-8.00800	-11.98449
1.120	5.386	-.00017	-.01199	.00459	.00444	.05815	-.35049	-.37438	707.72870	-8.05799	-12.01451
1.120	6.501	-.00008	-.01106	.00421	.00466	.04569	-.35668	-.38056	707.53313	-8.02799	-12.03451
1.119	7.579	-.00143	-.00816	.00350	.00450	.03540	-.36067	-.38320	707.42747	-8.02799	-12.03451
1.120	8.676	-.00205	-.00862	.00386	.00427	.02954	-.36414	-.38544	707.63876	-8.03799	-12.03451
1.120	9.778	-.00255	-.00531	.00275	.00361	.02269	-.36701	-.38509	707.60747	-8.02799	-12.02451
1.120	10.883	-.00251	-.00366	.00211	.00331	.01790	-.37189	-.38187	707.59183	-8.01800	-12.00450
1.119	11.987	-.00294	-.00301	.00200	.00327	.01387	-.37869	-.38411	707.24552	-8.01800	-12.03451
1.120	13.110	-.00249	-.00209	.00152	.00316	.01009	-.38503	-.38732	707.65439	-8.02799	-12.04452
1.120	14.206	-.00244	-.00339	.00200	.00347	.00524	-.39582	-.39774	707.79127	-8.01800	-12.03451
1.119	15.309	-.00154	-.00506	.00237	.00389	-.00113	-.40909	-.40918	707.21603	-8.04799	-12.08453
1.120	17.525	.00007	-.00575	.00216	.00438	-.01292	-.43623	-.43400	707.68564	-8.04799	-12.07453
1.121	19.694	.00046	-.00291	.00096	.00377	-.01762	-.45517	-.46954	708.25832	-8.01800	-12.00450
	GRADIENT	.00125	-.00011	-.00031	-.00008	-.01601	-.00111	.00132	-.03956	.00201	.00559

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TABULATED SOURCE DATA - LA62

PAGE 334

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3012) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 58/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.921	-.00932	-.01158	.00696	.00422	.18035	-.35436	-.39792	730.08840	-7.97900	-12.00600
1.200	-2.258	-.00517	-.01308	.00638	.00453	.15067	-.34511	-.39000	730.14462	-7.99900	-12.02601
1.201	-1.154	-.00305	-.01221	.00546	.00471	.12976	-.34142	-.38332	730.19286	-8.02900	-11.97599
1.201	-.052	-.00050	-.01205	.00470	.00450	.11043	-.34488	-.38161	730.38644	-7.97900	-11.99600
1.201	1.039	.00220	-.01271	.00421	.00472	.09318	-.34836	-.38198	730.30697	-7.99900	-12.02601
1.201	2.148	.00214	-.01211	.00399	.00474	.07789	-.35336	-.38491	730.34944	-8.03900	-12.03602
1.201	3.249	.00370	-.01294	.00388	.00473	.06282	-.35764	-.38662	729.96231	-7.97900	-12.00600
1.201	4.346	.00231	-.01173	.00380	.00480	.05006	-.36116	-.39000	730.25106	-7.99900	-12.03602
1.200	5.443	.00217	-.01117	.00363	.00493	.03795	-.36467	-.39533	730.08646	-8.00900	-12.04602
1.200	6.543	.00071	-.00960	.00344	.00479	.02723	-.36589	-.39933	730.14462	-8.03900	-12.02601
1.200	7.634	.00026	-.00797	.00295	.00435	.01731	-.36976	-.39985	730.08840	-8.01900	-12.00600
1.201	8.744	-.00140	-.00633	.00279	.00361	.01006	-.37597	-.39800	730.19286	-8.00900	-12.00600
1.201	9.850	-.00212	-.00487	.00244	.00323	.00392	-.37838	-.39450	730.35733	-8.01900	-12.01601
1.201	10.944	-.00191	-.00412	.00210	.00280	-.00071	-.38501	-.39252	730.43679	-7.99900	-12.03602
1.200	12.052	-.00278	-.00274	.00183	.00276	-.00561	-.39447	-.39509	730.06516	-8.00900	-12.00600
1.200	13.167	-.00243	-.00302	.00183	.00291	-.01181	-.40265	-.40345	730.06516	-8.02900	-12.01601
1.200	14.258	-.00153	-.00444	.00212	.00326	-.01802	-.40935	-.41022	730.10199	-8.02900	-12.04602
1.200	15.376	-.00121	-.00409	.00189	.00346	-.02370	-.41531	-.41209	730.30353	-8.03900	-12.03602
1.201	17.573	-.00036	-.00161	.00071	.00327	-.03428	-.43089	-.44045	730.49502	-8.02900	-12.01601
1.201	19.756	.00116	-.00158	.00026	.00295	-.03688	-.43752	-.45338	730.20627	-8.01900	-12.00600
GRADIENT	.00151	-.00001	-.00041	.00006	.00006	-.01586	-.00145	.00078	.00736	-.00111	-.00325

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 335

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -5.000 AILRON = 2.000

RUN NO. 97/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(P5F)	ELVN-L	ELVN-R
.600	-3.877	-.00055	-.00604	.00253	.00886	.08116	-.21245	-.23829	462.16979	-2.96074	-7.00613
.600	-2.215	.00079	-.00761	.00254	.00863	.07721	-.21057	-.23406	462.16651	-3.00075	-6.98611
.600	-1.160	.00208	-.00881	.00243	.00835	.07538	-.21018	-.23233	461.91578	-3.00075	-7.01614
.600	-.104	.00424	-.01070	.00220	.00834	.07436	-.20828	-.23024	462.33090	-2.98075	-7.00613
.600	.944	.00568	-.01226	.00216	.00820	.07323	-.20791	-.22925	461.32625	-2.97074	-6.99612
.600	2.013	.00522	-.01090	.00184	.00847	.07218	-.20711	-.22708	461.57705	-2.99075	-6.99612
.601	3.065	.00515	-.01079	.00184	.00849	.07125	-.20430	-.22355	462.83222	-2.96074	-6.99612
.599	4.129	.00520	-.01089	.00184	.00841	.07020	-.20534	-.22416	460.98501	-2.99075	-7.00613
.600	5.187	.00572	-.01117	.00172	.00835	.06945	-.20371	-.22131	461.91085	-2.96074	-7.00613
.601	6.257	.00397	-.00924	.00176	.00839	.06883	-.20293	-.21916	462.50022	-2.97074	-7.00613
.600	7.311	.00347	-.00851	.00169	.00838	.06789	-.20387	-.22013	461.57869	-2.96075	-7.01614
.600	8.370	.00389	-.00917	.00176	.00855	.06717	-.20424	-.21979	462.24789	-2.97074	-6.99612
.600	9.437	.00296	-.00808	.00175	.00862	.06642	-.20521	-.22212	461.99881	-2.98075	-7.01614
.600	10.503	.00221	-.00669	.00155	.00844	.06737	-.20726	-.22432	462.33255	-3.00075	-7.01614
.600	11.571	.00201	-.00630	.00149	.00835	.06873	-.21061	-.22852	461.74806	-3.01075	-7.01614
.600	12.645	.00096	-.01115	.00379	.00899	.06333	-.21491	-.23415	462.00045	-3.09077	-7.02615
.600	13.692	.00216	-.00780	.00198	.00816	.05618	-.22304	-.24360	461.74642	-3.06077	-7.04617
.600	14.763	.00063	-.00915	.00318	.00972	.05465	-.22741	-.24877	462.50187	-3.04076	-7.04617
.600	16.904	.00344	-.00637	.00084	.00904	.04485	-.24523	-.27753	462.24789	-3.04076	-7.02615
.600	19.026	.00374	-.00533	.00029	.00671	.03869	-.27332	-.32385	461.66174	-3.02076	-7.03616
GRADIENT		.00079	-.00063	-.00011	-.00004	-.00128	.00098	.00182	-.07437	.00005	.00026

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TABULATED SOURCE DATA - LA62

PAGE 336

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 86/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.838	-.00052	-.00804	.00323	.00858	.09712	-.21843	-.24466	577.12669	-3.05076	-7.03792
.800	-2.269	.00072	-.00936	.00329	.00777	.08961	-.21616	-.23888	576.98001	-2.99075	-7.02791
.800	-1.199	.00219	-.01048	.00321	.00775	.08471	-.21366	-.23379	577.53521	-3.05076	-7.04793
.800	-.097	.00425	-.01193	.00303	.00776	.08130	-.21196	-.22996	576.90666	-3.03076	-7.03792
.801	.955	.00560	-.01280	.00289	.00735	.07910	-.20959	-.22594	577.88285	-3.00075	-7.03792
.800	1.946	.00675	-.01325	.00266	.00742	.07711	-.20798	-.22354	577.39487	-2.99075	-7.02791
.800	3.137	.00696	-.01307	.00251	.00748	.07446	-.20604	-.22025	577.51632	-2.98075	-7.02791
.800	4.215	.00621	-.01211	.00241	.00731	.07243	-.20433	-.21868	577.32783	-2.97074	-7.03792
.799	5.299	.00572	-.01128	.00226	.00726	.06943	-.20385	-.21795	576.70544	-2.98075	-6.98786
.800	6.375	.00434	-.00985	.00220	.00738	.06542	-.20278	-.21674	577.05335	-2.98075	-6.98786
.800	7.452	.00423	-.00898	.00191	.00713	.06113	-.20294	-.21662	577.82216	-2.98075	-6.98786
.800	8.536	.00318	-.00760	.00175	.00702	.05968	-.20504	-.21859	577.20632	-3.02076	-7.01790
.800	9.600	.00200	-.00607	.00159	.00694	.06029	-.20723	-.22104	577.19375	-3.03076	-7.01790
.800	10.673	.00175	-.00555	.00148	.00639	.06138	-.21140	-.22491	577.34041	-3.05076	-7.01790
.800	11.747	.00026	-.00422	.00151	.00564	.06195	-.21695	-.23112	577.05964	-3.06077	-7.02791
.800	12.831	.00061	-.00404	.00131	.00575	.05941	-.22287	-.23863	577.27337	-3.06077	-7.03792
.800	13.894	.00077	-.00459	.00146	.00553	.05530	-.23254	-.25071	576.91294	-3.06077	-7.05794
.799	14.990	.00204	-.00611	.00157	.00643	.05163	-.24391	-.26803	576.08891	-3.03076	-7.04793
.800	17.161	.00310	-.00486	.00071	.00845	.04205	-.26655	-.30461	577.39487	-3.03076	-7.01790
.800	19.315	.00431	-.00493	.00027	.01012	.03916	-.29267	-.34889	577.47448	-3.07077	-7.05794
GRADIENT	.00100	-.00060	-.00012	-.00013	-.00013	-.00294	.00180	.00331	.04919	.00878	.00063

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TABULATED SOURCE DATA - LA62

PAGE 337

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 81/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.895	-.00161	-.01307	.00547	.00884	.12278	-.24474	-.26501	625.08570	-3.02076	-7.04793
.899	-2.301	.00120	-.01572	.00556	.00852	.10922	-.24165	-.26135	623.96022	-2.97074	-7.04793
.900	-1.211	.00211	-.01745	.00593	.00850	.10024	-.23849	-.25678	625.31423	-2.99075	-7.01790
.899	-.110	.00442	-.01736	.00515	.00828	.09306	-.23599	-.25269	624.58267	-2.98075	-7.01790
.900	.985	.00687	-.01904	.00499	.00847	.08666	-.23314	-.24871	624.82055	-2.98075	-7.03792
.899	2.080	.00820	-.01941	.00470	.00842	.07854	-.23149	-.24583	624.51408	-2.99075	-7.03792
.900	3.162	.00743	-.01780	.00434	.00791	.06922	-.22908	-.24330	624.88912	-2.99075	-7.04793
.899	4.272	.00677	-.01654	.00407	.00696	.06164	-.22886	-.24272	624.45459	-3.03076	-7.02791
.900	5.347	.00667	-.01527	.00362	.00574	.05660	-.22606	-.24016	624.89825	-3.11078	-7.02791
.900	6.440	.00520	-.01314	.00329	.00497	.05325	-.22271	-.23896	624.76109	-3.01075	-7.04793
.899	7.506	.00444	-.01213	.00314	.00344	.05146	-.22309	-.23923	624.39509	-2.96074	-7.00788
.900	8.589	.00320	-.01149	.00331	.00342	.05084	-.22522	-.24084	624.77933	-2.96074	-7.00788
.900	9.682	.00159	-.00898	.00288	.00289	.04907	-.22674	-.24096	625.11309	-2.96074	-7.02791
.900	10.755	.00054	-.00877	.00314	.00228	.04553	-.23108	-.24542	624.92561	-2.96074	-7.02791
.899	11.831	-.00090	-.00594	.00255	.00339	.04166	-.23702	-.25259	624.53229	-2.98075	-7.02791
.900	12.897	.00004	-.00465	.00175	.00421	.03704	-.24444	-.26260	624.87526	-3.03076	-7.01790
.901	13.996	.00023	-.00303	.00107	.00490	.03398	-.25002	-.26999	625.73460	-3.10078	-7.02791
.899	15.074	.00171	-.00247	.00036	.00574	.03236	-.26279	-.28199	624.35378	-3.00075	-7.02791
.900	17.250	.00286	-.00269	.00005	.00555	.02846	-.28234	-.30846	624.57356	-3.04076	-7.04793
.900	19.410	.00357	-.00263	-.00023	.00497	.02880	-.31060	-.33983	624.97594	-3.02076	-7.06795
.900	GRADIENT	.00117	-.00046	-.00020	-.00017	-.00734	.00208	.00297	-.02312	-.00147	.00072

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TABULATED SOURCE DATA - LA62

PAGE 338

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 72/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-4.023	-.00635	-.01590	.00797	.00780	.15902	-.34325	-.35673	658.59821	-3.03924	-7.01263
.980	-2.303	-.00443	-.01805	.00819	.00729	.13528	-.33075	-.34298	658.44528	-2.98925	-7.02263
.980	-1.202	-.00316	-.01902	.00817	.00701	.12400	-.32669	-.33810	658.65974	-2.99925	-7.04264
.980	-.112	-.00118	-.02024	.00803	.00646	.11346	-.32232	-.33268	658.36907	-2.99925	-7.03264
.980	1.004	.00019	-.02084	.00783	.00598	.10162	-.32187	-.33176	658.78184	-3.03924	-7.00263
.980	2.101	.00091	-.02046	.00747	.00583	.08997	-.32166	-.33298	658.62898	-3.00925	-7.01263
.980	3.203	.00150	-.01987	.00706	.00511	.07696	-.32156	-.33335	658.49122	-2.99925	-7.03264
.980	4.298	.00131	-.01931	.00691	.00515	.06454	-.32408	-.33586	658.47608	-3.02924	-7.04264
.980	5.399	-.00078	-.01702	.00669	.00534	.05491	-.32709	-.33849	658.73548	-2.99925	-7.02263
.980	6.493	-.00069	-.01464	.00576	.00470	.04567	-.32979	-.34071	658.53715	-3.02924	-7.03264
.980	7.580	-.00197	-.01236	.00529	.00462	.03636	-.33527	-.34462	658.50636	-2.98925	-7.01263
.980	8.702	-.00262	-.01148	.00516	.00446	.02873	-.34352	-.35273	658.44528	-2.97926	-7.02263
.980	9.780	-.00480	-.00921	.00498	.00421	.02089	-.35188	-.36081	658.44528	-3.01925	-7.03264
.981	10.878	-.00473	-.00396	.00297	.00391	.01289	-.36735	-.37525	659.33123	-2.97926	-7.00263
.980	11.963	-.00875	-.00123	.00320	.00388	.00636	-.38508	-.39244	658.72034	-3.02924	-7.04264
.980	13.062	-.00715	-.00033	.00237	.00412	-.00113	-.40216	-.41218	658.70519	-3.03924	-7.02263
.980	14.160	-.00375	-.00129	.00167	.00475	-.00511	-.41480	-.42548	658.35340	-3.03924	-7.05264
.979	15.258	-.00110	-.00017	.00042	.00469	-.00930	-.42614	-.44069	658.32257	-3.01925	-7.00263
.980	17.451	-.00016	-.00438	.00171	.00490	-.01939	-.44873	-.46923	559.01002	-3.03924	-7.03264
.979	19.615	.00135	-.00008	-.00041	.00403	-.02653	-.46458	-.49601	657.67927	-3.02924	-7.01263
GRADIENT	.00101	-.00041	-.00041	-.00015	-.00035	-.01105	.00211	.00228	-.00340	-.00020	-.00151

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 339

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3013) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -5.000 AILRON = 2.000

RUN NO. 57/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.852	-.00731	-.00740	.00483	.00549	.13783	-.34970	-.38482	729.97989	-2.96963	-6.99350
1.201	-2.210	-.00427	-.00907	.00462	.00538	.11044	-.34548	-.37236	730.18721	-3.05962	-7.03352
1.201	-1.108	-.00229	-.00920	.00412	.00524	.09174	-.34449	-.36386	730.32269	-3.02962	-7.01351
1.200	-.013	.00053	-.01016	.00370	.00500	.07527	-.34670	-.36147	729.77642	-3.06962	-7.04352
1.200	1.076	.00196	-.00986	.00319	.00497	.05907	-.34786	-.35972	730.03028	-3.01962	-7.06353
1.201	2.185	.00338	-.00965	.00272	.00501	.04426	-.34925	-.35896	730.30924	-3.03962	-7.03352
1.201	3.280	.00353	-.00941	.00259	.00509	.03043	-.35186	-.35920	730.20850	-3.04962	-7.06353
1.200	4.391	.00321	-.00852	.00233	.00500	.01764	-.35594	-.35876	729.89270	-3.05962	-7.03352
1.201	5.469	.00254	-.00755	.00215	.00523	.00575	-.35864	-.35802	730.57448	-3.00962	-7.04352
1.201	6.589	.00068	-.00598	.00208	.00468	-.00452	-.36457	-.36264	730.05520	-3.01962	-7.02351
1.200	7.662	.00015	-.00530	.00196	.00443	-.01166	-.36826	-.36663	730.05738	-3.02962	-7.03352
1.200	8.773	-.00041	-.00345	.00142	.00316	-.01650	-.37110	-.36775	730.08067	-3.03962	-7.02351
1.200	9.872	-.00123	-.00223	.00119	.00314	-.02117	-.37496	-.37169	730.05934	-3.01962	-7.05353
1.200	10.969	-.00058	-.00161	.00077	.00297	-.02641	-.38321	-.38248	730.21051	-3.02962	-7.01351
1.200	12.078	-.00182	-.00067	.00077	.00308	-.03160	-.39163	-.39183	730.23183	-3.05962	-7.05353
1.200	13.191	-.00131	-.00168	.00101	.00333	-.03698	-.39937	-.40319	729.77233	-3.06962	-7.05353
1.201	14.283	-.00032	-.00155	.00068	.00359	-.04331	-.40281	-.41100	730.44466	-3.03962	-7.06353
1.200	15.394	.00054	-.00253	.00080	.00378	-.04931	-.41170	-.42522	729.69697	-3.05962	-7.05353
1.200	17.593	.00225	-.00218	.00017	.00358	-.06064	-.42756	-.44668	730.05161	-2.99963	-6.97349
1.200	19.801	.00203	-.00047	-.00042	.00342	-.06151	-.44004	-.46168	730.15813	-3.02962	-7.03352
1.201	GRADIENT	.00138	-.00012	-.00034	-.00006	-.01460	-.00090	.00283	-.00183	-.00625	-.00548

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TABULATED SOURCE DATA - LA62

PAGE 340

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 99/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.818	-.00051	-.00403	.00175	.00731	.03753	-.22508	-.24681	462.07856	1.98950	-2.02177
.600	-2.165	.00229	-.00781	.00196	.00697	.03487	-.22261	-.24266	461.91414	2.01950	-2.00175
.600	-1.116	.00337	-.00908	.00196	.00694	.03455	-.22137	-.24128	461.65846	1.99950	-2.00175
.600	-.063	.00486	-.00938	.00143	.00716	.03330	-.21878	-.23954	461.74806	1.99950	-1.98173
.600	1.007	.00550	-.00996	.00137	.00733	.03287	-.21759	-.23799	462.41721	2.00950	-2.00175
.600	2.075	.00615	-.01057	.00132	.00737	.03142	-.21657	-.23733	461.74642	2.01950	-2.00175
.600	3.125	.00719	-.01148	.00120	.00749	.03064	-.21444	-.23453	461.91414	1.99950	-2.00175
.600	4.189	.00696	-.01120	.00120	.00751	.02938	-.21321	-.23346	462.33255	2.00950	-1.99174
.600	5.233	.00567	-.00954	.00112	.00776	.02887	-.21290	-.23132	461.57541	1.99950	-2.00175
.600	6.304	.00480	-.00884	.00124	.00771	.02743	-.21197	-.22954	461.74478	1.98950	-2.00175
.600	7.352	.00599	-.01045	.00131	.00780	.02589	-.21204	-.22929	461.23992	1.99950	-2.00175
.600	8.426	.00439	-.00837	.00123	.00795	.02418	-.21253	-.22940	461.99881	1.98950	-2.00175
.600	9.483	.00346	-.00696	.00110	.00833	.02372	-.21473	-.23229	461.66010	1.97951	-2.00175
.600	10.556	.00407	-.00722	.00092	.00808	.02407	-.21610	-.23484	461.66665	1.98950	-2.00175
.600	11.618	.00325	-.00575	.00073	.00819	.02508	-.21925	-.23948	462.16651	1.97951	-2.00175
.600	12.679	.00105	-.01228	.00418	.01017	.01942	-.22512	-.24770	461.99881	1.95951	-2.03178
.600	13.762	.00142	-.01130	.00364	.01055	.01566	-.23321	-.25881	461.83438	1.98950	-2.04179
.601	14.833	.00137	-.00833	.00254	.01018	.01171	-.24012	-.27038	462.58323	1.97951	-2.02177
.600	16.962	.00518	-.00631	.00003	.00865	.00031	-.26418	-.30739	462.41556	1.96951	-2.02177
.600	19.092	.00592	-.00811	.00034	.00644	-.00484	-.29081	-.34597	461.99717	1.99950	-2.07181
GRADIENT		.00093	-.00081	-.00010	.00006	-.00095	.00150	.00159	.02660	.00131	.00218

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TABULATED SOURCE DATA - LA62

PAGE 341

LARC 8FT TPT 717(LA-52) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 92/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.699	-3.862	-.00066	-.00522	.00223	.00755	.04052	-.22409	-.24950	521.74729	1.96951	-1.99174
.700	-2.200	.00216	-.00788	.00215	.00769	.03739	-.22138	-.24319	522.06062	1.96951	-1.98173
.700	-1.112	.00326	-.00930	.00226	.00748	.03575	-.21943	-.24094	522.37065	1.95951	-1.99174
.700	-.061	.00503	-.01057	.00206	.00741	.03459	-.21797	-.23873	522.29072	1.94951	-1.99174
.699	1.010	.00707	-.01256	.00203	.00748	.03332	-.21554	-.23618	521.98390	1.93952	-2.00175
.700	2.086	.00700	-.01178	.00175	.00778	.03204	-.21303	-.23277	522.21402	2.03949	-2.00175
.699	3.138	.00744	-.01196	.00165	.00786	.03102	-.21166	-.22992	521.90073	1.97951	-2.00175
.699	4.213	.00764	-.01218	.00165	.00788	.02948	-.21001	-.22767	521.89750	1.95951	-1.99174
.700	5.285	.00604	-.01049	.00163	.00802	.02818	-.20831	-.22521	522.67736	1.96951	-2.00175
.700	6.353	.00609	-.01086	.00174	.00796	.02651	-.20734	-.22352	522.13086	1.95951	-1.98173
.700	7.430	.00474	-.00874	.00146	.00647	.02404	-.20749	-.22277	522.13409	1.96951	-1.99174
.699	8.501	.00514	-.00905	.00142	.00869	.02233	-.20852	-.22336	521.51064	2.06948	-1.99174
.700	9.574	.00502	-.00822	.00114	.00871	.02092	-.20979	-.22520	522.05416	1.98950	-1.99174
.699	10.652	.00391	-.00732	.00124	.00744	.02001	-.21483	-.23112	521.90396	2.04949	-2.03178
.700	11.704	.00334	-.00542	.00073	.00605	.01915	-.22083	-.23888	522.29395	2.06948	-2.06180
.700	12.773	.00297	-.00417	.00040	.00627	.01618	-.22741	-.24934	522.06062	1.98950	-2.06180
.700	13.840	.00364	-.00534	.00058	.00724	.01206	-.23580	-.26174	522.14378	1.95951	-2.04179
.699	14.924	.00346	-.00546	.00068	.00826	.00954	-.24627	-.27802	521.98713	1.98950	-2.05180
.700	17.102	.00594	-.00724	.00034	.00875	-.00450	-.27313	-.31671	522.45381	2.01950	-2.06180
.699	19.250	.00566	-.00570	-.00016	.00622	-.00488	-.30255	-.35506	521.82401	2.01950	-2.05180
GRADIENT		.00105	-.00085	-.00009	.00004	-.00130	.00180	.00263	-.00166	.00215	-.00145

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 85/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.795	.00018	-.00621	.00229	.00784	.04990	-.22754	-.25371	577.54151	1.95976	-2.00225
.800	-2.223	.00303	-.00943	.00251	.00752	.04560	-.22479	-.24692	577.24821	1.95976	-2.00225
.800	-1.130	.00350	-.00935	.00232	.00758	.04294	-.22222	-.24111	577.18746	1.95976	-2.01226
.800	-.064	.00602	-.01122	.00215	.00758	.04086	-.22032	-.23718	577.18117	1.99975	-2.01226
.800	1.008	.00726	-.01162	.00186	.00756	.03911	-.21781	-.23414	576.96116	1.99975	-2.01226
.800	2.109	.00784	-.01166	.00167	.00766	.03726	-.21548	-.23047	576.98001	2.01975	-2.02228
.800	3.164	.00816	-.01183	.00162	.00786	.03549	-.21321	-.22820	577.25450	2.00975	-2.02228
.800	4.259	.00878	-.01204	.00148	.00801	.03320	-.21098	-.22503	577.39487	2.00975	-2.02228
.800	5.353	.00735	-.01097	.00157	.00791	.02981	-.21021	-.22428	576.83959	2.03975	-1.96221
.800	6.420	.00701	-.01131	.00182	.00816	.02609	-.21016	-.22382	576.98629	1.95976	-2.00225
.799	7.492	.00596	-.00917	.00137	.00784	.02378	-.21165	-.22492	576.21065	2.00975	-2.00225
.800	8.563	.00480	-.00804	.00135	.00709	.02268	-.21302	-.22667	576.98629	1.96975	-2.02228
.801	9.636	.00427	-.00635	.00089	.00593	.02347	-.21598	-.22973	577.89546	1.98975	-2.03229
.800	10.711	.00381	-.00591	.00088	.00616	.02442	-.22126	-.23553	577.60223	1.98975	-2.02228
.800	11.769	.00298	-.00550	.00102	.00613	.02402	-.22591	-.24165	577.54780	1.99975	-2.00225
.799	12.869	.00329	-.00491	.00068	.00706	.02080	-.23605	-.25571	576.29655	2.02975	-2.01226
.800	13.933	.00263	-.00403	.00058	.00686	.01361	-.24895	-.27651	577.46819	2.02975	-2.04230
.800	15.034	.00319	-.00449	.00055	.00764	.00518	-.26120	-.29535	577.48077	2.01975	-2.01226
.800	17.211	.00457	-.00437	-.00002	.00831	-.00643	-.28448	-.32683	576.91294	2.00975	-2.04230
.800	19.348	.00584	-.00400	-.00065	.00924	-.00733	-.30686	-.36234	577.41374	1.99975	-2.08234
.800	GRADIENT	.00107	-.00065	-.00013	.00003	-.00199	.00209	.00352	-.02180	.00824	-.00287

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 343

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 80/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.806	-.00130	-.01232	.00508	.00793	.06173	-.25432	-.27642	625.35080	2.01975	-2.00225
.900	-2.231	.00113	-.01460	.00516	.00777	.05200	-.25083	-.27259	624.65127	2.01975	-2.00225
.900	-1.145	.00251	-.01521	.00495	.00748	.04492	-.24656	-.26757	625.26397	2.00975	-1.99224
.900	-.040	.00444	-.01692	.00497	.00704	.03934	-.24396	-.26262	624.82055	2.01975	-2.00225
.900	1.029	.00570	-.01649	.00440	.00669	.03377	-.24137	-.25854	624.69251	2.03975	-2.01226
.900	2.131	.00694	-.01675	.00410	.00634	.02800	-.23896	-.25413	624.74285	2.01975	-2.00225
.900	3.233	.00760	-.01566	.00348	.00502	.02208	-.23506	-.24912	625.06744	2.07974	-2.03229
.899	4.329	.00640	-.01354	.00305	.00473	.02283	-.23402	-.24660	624.46369	1.92976	-2.04230
.900	5.385	.00559	-.01282	.00304	.00504	.02263	-.23228	-.24473	624.75197	2.12973	-2.04230
.900	6.470	.00608	-.01279	.00287	.00575	.02021	-.22966	-.24162	624.69251	1.97975	-2.02228
.900	7.536	.00359	-.00963	.00248	.00450	.01849	-.22953	-.24274	624.71074	1.97975	-2.04230
.900	8.635	.00187	-.00774	.00232	.00360	.01820	-.23343	-.24763	624.70163	1.97975	-2.04230
.900	9.706	.00167	-.00649	.00191	.00362	.01586	-.23572	-.24990	624.97594	1.98975	-2.02228
.899	10.790	.00172	-.00583	.00165	.00430	.01207	-.24178	-.25769	624.61000	1.98975	-1.99224
.900	11.867	.00219	-.00330	.00053	.00566	.00663	-.24952	-.26665	624.76109	1.91976	-2.01226
.900	12.947	.00274	-.00239	.00000	.00638	.00058	-.25858	-.27754	624.78844	1.92976	-2.04230
.900	14.023	.00336	-.00260	-.00013	.00744	-.00281	-.26815	-.28957	624.77021	1.90976	-2.48279
.900	15.136	.00423	-.00152	-.00084	.00804	-.00916	-.27943	-.30104	625.15426	1.97975	-2.06232
.900	17.297	.00511	-.00296	-.00061	.00770	-.01551	-.29684	-.32515	624.78844	1.93976	-2.03229
.900	19.473	.00549	-.00250	-.00093	.00705	-.01612	-.32639	-.35068	625.08570	1.94976	-2.01226
GRADIENT		.00107	-.00021	-.00027	-.00042	-.00505	.00259	.00388	-.06303	-.00287	-.00484

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 344

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 75/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.968	-.00339	-.00800	.00411	.00619	.06419	-.26882	-.28934	634.39489	2.01924	-2.00075
.920	-2.257	-.00042	-.01166	.00455	.00574	.05044	-.26390	-.28187	634.01608	2.00925	-2.00075
.920	-1.136	.00105	-.01260	.00444	.00581	.04165	-.26114	-.27726	634.37567	2.02924	-2.01075
.920	-.051	.00342	-.01420	.00429	.00566	.03485	-.25728	-.27169	634.15196	2.03924	-2.02076
.920	1.036	.00504	-.01455	.00391	.00528	.02830	-.25258	-.26652	634.11358	2.02924	-2.00075
.920	2.129	.00436	-.01352	.00373	.00459	.02090	-.24744	-.26227	633.94813	2.05923	-2.02076
.920	3.235	.00544	-.01458	.00379	.00488	.01584	-.24429	-.25925	634.09361	2.04923	-2.01075
.920	4.311	.00479	-.01484	.00409	.00522	.01380	-.23976	-.25461	634.26864	2.05923	-2.03076
.920	5.395	.00289	-.01118	.00331	.00488	.01683	-.23711	-.25075	633.75386	2.04923	-2.03076
.920	6.482	.00367	-.01104	.00301	.00561	.01342	-.23468	-.24696	634.26864	2.01924	-2.03076
.920	7.560	.00362	-.00806	.00189	.00437	.01250	-.23698	-.24963	633.77302	2.01924	-2.04077
.920	8.644	.00406	-.00456	.00042	.00419	.01222	-.24110	-.25508	634.31736	1.97926	-2.05077
.921	9.731	.00029	-.00212	.00071	.00411	.00465	-.24706	-.26052	634.57942	2.02924	-2.01075
.920	10.807	.00116	-.00124	.00009	.00499	.00214	-.25662	-.27153	633.94813	2.02924	-2.01075
.920	11.873	.00079	-.00105	.00014	.00514	-.00507	-.26655	-.28375	634.20071	1.91928	-2.09078
.920	12.956	.00157	-.00024	-.00042	.00528	-.01167	-.27861	-.29578	633.83140	1.35927	-1.94073
.920	14.061	.00178	-.00057	-.00037	.00586	-.01808	-.28842	-.30837	634.32696	2.03924	-2.04077
.920	15.144	.00220	-.00038	-.00058	.00628	-.02367	-.29988	-.32301	633.93855	2.06922	-2.10079
.920	17.345	.00387	-.00309	-.00012	.00661	-.03270	-.31665	-.34242	633.88977	1.96926	-2.02076
.920	19.497	.00495	-.00152	-.00110	.00664	-.03343	-.34064	-.37740	634.21990	2.00925	-2.09078
GRADIENT	.00104	-.00070	-.00006	-.00016	-.00016	-.00621	.00359	.00423	-.02041	.00573	-.00279

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TABULATED SOURCE DATA - LA62

PAGE 345

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 62/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.951	-3.853	-.00507	-.00273	.00262	.00601	.09285	-.29482	647.24007	1.97926	-2.00100
.951	-2.217	-.00342	-.00410	.00262	.00575	.07146	-.28872	647.29379	1.97926	-2.03102
.951	-1.103	-.00122	-.00656	.00286	.00567	.06145	-.28542	647.35911	1.98925	-2.03102
.951	-.012	.00071	-.00764	.00267	.00543	.05213	-.28244	647.22846	1.98925	-2.02101
.951	1.078	.00032	-.00666	.00242	.00555	.04203	-.27934	647.37073	1.98925	-2.01101
.951	2.185	.00173	-.00685	.00205	.00554	.03214	-.27665	647.12101	1.99925	-2.03102
.950	3.268	.00217	-.00737	.00211	.00543	.02178	-.27508	647.07887	1.98925	-2.02101
.950	4.378	.00194	-.00710	.00208	.00516	.01209	-.27370	646.88284	1.97926	-2.00100
.951	5.471	.00178	-.00767	.00235	.00503	.00587	-.27287	647.13261	1.98925	-2.00100
.951	6.566	.00012	-.00605	.00225	.00463	-.00026	-.27136	647.27489	2.00925	-2.01101
.950	7.656	-.00108	-.00515	.00229	.00488	-.00476	-.27219	647.01353	2.02924	-2.02101
.950	8.749	-.00138	-.00339	.00172	.00396	-.00714	-.27365	647.01353	1.97926	-2.03102
.950	9.821	-.00098	-.00029	.00042	.00411	-.01185	-.28038	646.89443	1.99925	-2.04102
.950	10.917	.00070	-.00048	-.00004	.00469	-.01688	-.29096	647.15581	1.96926	-2.02101
.950	11.990	.00495	-.00049	-.00139	.00532	-.02368	-.30486	647.02512	1.97926	-2.00100
.950	13.098	.01025	-.00099	-.00290	.00624	-.03021	-.31867	646.98296	1.97926	-2.00100
.951	14.190	.01400	-.00237	-.00360	.00676	-.03671	-.33087	647.27489	1.98925	-1.99100
.950	15.281	.01707	-.00374	-.00410	.00718	-.03999	-.34192	646.76784	1.97926	-2.01101
.951	17.467	.02191	-.00913	-.00370	.00745	-.05014	-.37027	647.41282	1.98925	-1.99100
.950	19.642	.00060	.00128	-.00068	.00533	-.04907	-.39789	646.64866	1.98925	-1.99100
GRADIENT	.00090	-.00050	-.00009	-.00008	-.00008	-.00953	.00257	.00352	.00087	.00942

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TABULATED SOURCE DATA - LA62

PAGE 346

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 71/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.979	-3.977	-.00471	-.00307	.00261	.00606	.10052	-.36718	658.30744	1.97926	-1.98074
.980	-2.263	-.00282	-.00381	.00231	.00581	.07961	-.35900	658.64413	1.98925	-1.98074
.980	-1.167	-.00010	-.00611	.00235	.00581	.06864	-.35302	658.33880	1.99925	-1.98074
.980	-.060	.00133	-.00631	.00198	.00590	.05889	-.34905	658.76625	2.01924	-1.98074
.980	1.038	.00284	-.00692	.00175	.00568	.04901	-.34537	658.62850	2.00925	-1.99075
.979	2.137	.00375	-.00658	.00134	.00579	.03829	-.34332	658.29231	1.99925	-2.00075
.980	3.237	.00382	-.00646	.00127	.00572	.02684	-.34365	658.39934	2.01924	-2.01075
.980	4.337	.00295	-.00622	.00145	.00576	.01656	-.34612	658.59821	1.99925	-2.01075
.980	5.425	.00154	-.00610	.00184	.00565	.00733	-.34698	658.41448	2.00925	-2.03076
.980	6.531	.00082	-.00574	.00192	.00487	-.00046	-.34972	658.41448	1.97926	-2.02076
.980	7.624	.00008	-.00559	.00209	.00479	-.00660	-.35600	658.89790	2.01924	-2.00075
.979	8.718	-.00154	-.00470	.00226	.00438	-.01326	-.35967	658.21551	1.96926	-2.02076
.980	9.812	-.00306	-.00151	.00152	.00463	-.01901	-.37254	658.35340	1.96926	-2.02076
.979	10.914	-.00355	.00014	.00105	.00475	-.02636	-.38482	658.29173	1.98925	-2.03076
.980	11.993	-.00697	.00102	.00180	.00446	-.03170	-.40209	658.44474	1.95927	-2.03076
.979	13.088	-.00629	.00146	.00142	.00505	-.03824	-.41350	658.23063	2.00925	-2.03076
.979	14.186	-.00028	.00029	-.00002	.00526	-.04299	-.42688	658.47499	1.97926	-2.02076
.980	15.278	.00182	-.00175	.00008	.00551	-.04701	-.43868	658.55176	1.95927	-1.99075
.981	17.472	.00149	-.00567	.00167	.00612	-.05947	-.46484	659.69707	2.06922	-2.04077
.979	19.655	.00260	-.00071	-.00058	.00583	-.06803	-.48491	657.86264	1.92928	-1.97074
	GRADIENT	.00104	-.00040	-.00017	-.00003	-.00988	.00271	.00737	.00300	-.00436

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TABULATED SOURCE DATA - LA62

PAGE 347

LARC 8FT TPT 717(LA-62) 140C GABITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 67/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-3.954	-.00433	-.00127	.00172	.00515	.10575	-.35403	-.35955	707.77153	2.00925	-1.99075
1.120	-2.251	-.00316	-.00151	.00147	.00483	.08451	-.34964	-.36016	707.74231	2.00925	-1.99075
1.120	-1.157	-.00084	-.00315	.00143	.00471	.06913	-.34880	-.36132	707.39434	2.00925	-2.00075
1.120	-.043	.00138	-.00357	.00096	.00495	.05134	-.34988	-.36283	707.84780	2.00925	-2.00075
1.120	1.064	.00345	-.00396	.00052	.00488	.03432	-.35286	-.36492	707.74231	2.02924	-2.04077
1.120	2.162	.00451	-.00400	.00023	.00472	.01939	-.35656	-.36749	707.57617	2.00925	-2.02076
1.120	3.250	.00453	-.00311	-.00011	.00473	.00650	-.35822	-.36860	707.50187	1.99925	-2.02076
1.121	4.361	.00398	-.00273	-.00010	.00470	-.00508	-.35956	-.36827	708.04296	1.99925	-2.03076
1.120	5.461	.00289	-.00140	-.00030	.00471	-.01499	-.36333	-.37058	707.48624	2.00925	-2.02076
1.120	6.555	.00185	-.00115	-.00010	.00494	-.02334	-.36513	-.36917	708.00033	2.03924	-2.02076
1.121	7.651	.00179	-.00133	-.00001	.00464	-.02963	-.36705	-.36931	707.90837	1.96925	-2.02076
1.120	8.746	.00103	.00009	-.00033	.00390	-.03303	-.36600	-.36904	707.87916	1.94927	-2.03076
1.121	9.835	.00090	.00112	-.00068	.00445	-.03804	-.36989	-.37700	708.13260	2.01924	-2.01075
1.120	10.944	.00013	.00193	-.00077	.00435	-.04242	-.37772	-.38801	707.54686	1.99925	-2.04077
1.120	12.034	-.00070	.00059	-.00002	.00454	-.04482	-.38909	-.39579	707.56052	2.00925	-2.06077
1.121	13.141	.00001	.00075	-.00029	.00463	-.05021	-.39755	-.40928	708.42431	1.99925	-2.01075
1.120	14.250	.00043	-.00138	.00040	.00505	-.05538	-.40904	-.42230	707.54686	2.01924	-2.03076
1.119	15.365	.00064	-.00135	.00032	.00508	-.06303	-.41846	-.43812	707.36682	2.00925	-2.01075
1.119	17.564	.00277	-.00206	-.00005	.00539	-.07491	-.44545	-.46983	707.57997	1.94927	-2.07078
1.120	19.742	.00412	-.00299	-.00012	.00552	-.08141	-.46361	-.49298	708.06303	1.97926	-2.00075
	GRADIENT	.00119	-.00023	-.00025	-.00004	-.01376	-.00106	-.00127	.01054	-.00098	-.00545

ORIGINAL PAGE IS
OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 348

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3014) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 56/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.819	-.00375	-.00343	.00234	.00481	.09991	-.35552	-.37153	730.19286	1.98925	-2.01101
1.201	-2.178	-.00170	-.00435	.00212	.00450	.07396	-.35562	-.36680	730.34944	1.96926	-2.05103
1.201	-1.078	.00135	-.00538	.00166	.00422	.05654	-.35365	-.36130	730.27233	2.04923	-2.00100
1.201	.019	.00296	.00552	.00127	.00404	.04051	-.35232	-.35977	730.16376	2.02924	-2.03102
1.201	1.116	.00455	-.00575	.00092	.00405	.02546	-.34999	-.36013	730.23759	2.00925	-2.04102
1.201	2.200	.00564	-.00570	.00060	.00394	.01195	-.35032	-.35917	729.97793	1.99925	-2.00100
1.201	3.310	.00582	-.00497	.00027	.00377	-.00088	-.35372	-.35752	730.30142	1.94927	-2.03102
1.201	4.407	.00468	-.00385	.00016	.00398	-.01221	-.35773	-.35765	730.20069	2.00925	-2.02101
1.201	5.503	.00503	-.00376	.00002	.00400	-.02313	-.36195	-.36142	730.09996	1.98925	-2.01101
1.200	6.606	.00319	-.00241	.00002	.00408	-.03341	-.36668	-.36742	730.11554	2.00925	-2.03102
1.200	7.690	.00253	-.00224	.00014	.00440	-.04022	-.37179	-.37412	729.80737	1.98925	-2.01101
1.199	8.799	.00158	-.00205	.00034	.00412	-.04530	-.37533	-.37732	729.75095	1.97926	-2.08104
1.201	9.887	.00077	-.00083	.00010	.00358	-.04905	-.37793	-.37851	730.22978	1.98925	-2.00100
1.200	11.002	.00128	-.00073	-.00008	.00371	-.05442	-.39304	-.38446	730.04386	1.97926	-2.02101
1.200	12.109	.00062	.00007	-.00020	.00337	-.05975	-.39202	-.39951	730.17369	1.95927	-2.00100
1.200	13.222	.00099	-.00074	.00000	.00360	-.06502	-.40113	-.41233	730.13106	1.96926	-2.00100
1.200	14.305	.00078	-.00090	.00012	.00378	-.07065	-.40474	-.42150	730.01666	1.99925	-2.02101
1.200	15.418	.00229	-.00220	.00017	.00401	-.07726	-.41695	-.43580	730.13106	1.98925	-2.01101
1.200	17.610	.00277	-.00129	-.00031	.00373	-.08940	-.43263	-.45346	730.00122	1.98925	-2.00100
1.201	19.809	.00397	-.00124	-.00070	.00400	-.09115	-.45271	-.47312	730.17160	1.97926	-2.02101
GRADIENT		.00117	-.00009	-.00029	-.00011	-.01366	.00008	.00159	-.00968	-.00118	.00007

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 349

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YC
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 100/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.767	.00054	-.00320	.00097	.00609	-.00551	-.23472	-.26367	462.50187	7.00825	2.98373
.600	-2.113	.00314	-.00674	.00118	.00603	-.00667	-.23299	-.25961	461.91742	7.00825	2.97372
.600	-1.044	.00402	-.00631	.00064	.00619	-.00712	-.23057	-.25787	461.99553	6.99825	2.97372
.600	-.002	.00560	-.00834	.00071	.00637	-.00802	-.22993	-.25724	461.91249	6.99825	2.99374
.600	1.055	.00709	-.00993	.00067	.00637	-.00885	-.22839	-.25653	462.24789	7.00825	2.98373
.600	2.114	.00730	-.00955	.00042	.00658	-.01019	-.22797	-.25462	461.74150	6.97826	2.98373
.600	3.182	.00835	-.01047	.00031	.00650	-.01102	-.22640	-.25237	461.82618	7.04824	2.99374
.600	4.244	.00800	-.01038	.00043	.00644	-.01218	-.22469	-.24998	462.15829	7.03824	2.97372
.600	5.291	.00756	-.00971	.00036	.00624	-.01345	-.22282	-.24676	462.16158	7.03824	3.00375
.600	6.351	.00585	-.00704	.00010	.00639	-.01522	-.22184	-.24476	462.41721	7.03824	2.99374
.600	7.418	.00619	-.00814	.00035	.00629	-.01727	-.22214	-.24408	461.49564	7.00825	2.99374
.600	8.478	.00556	-.00676	.00010	.00627	-.01676	-.22291	-.24520	461.32952	6.96826	2.97372
.600	9.546	.00471	-.00527	-.00009	.00657	-.01967	-.22312	-.24521	461.91742	6.99825	2.98373
.600	10.614	.00502	-.00550	-.00015	.00700	-.01956	-.22478	-.24550	462.00045	6.99825	2.99374
.600	11.683	.00463	-.00474	-.00027	.00776	-.01987	-.22866	-.24701	461.41585	6.98825	2.97372
.600	12.730	.00214	-.01237	.00373	.01197	-.02470	-.23457	-.25135	461.82946	7.00825	2.97372
.600	13.808	.00191	-.01210	.00372	.01289	-.02791	-.24069	-.25912	462.16487	6.96826	2.98373
.600	14.878	.00394	-.00933	.00198	.01209	-.03287	-.24916	-.27300	461.91742	6.98825	3.01377
.600	17.009	.00525	-.00421	-.00080	.00871	-.04554	-.27815	-.31728	461.82946	7.00825	2.99374
.600	19.142	.00488	-.00396	-.00076	.00612	-.04963	-.30029	-.33559	461.83110	6.99825	3.00375
.600	GRADIENT	.00097	-.00088	-.00009	.00006	-.00084	.00121	.00154	-.03892	.00372	.00049

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TABULATED SOURCE DATA - LA62

PAGE 350

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVCN = 5.000 AILRON = 2.000

RUN NO. 91/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.752	.00021	-.00390	.00139	.00579	-.00355	-.23415	-.26517	522.44733	7.00825	3.01377
.700	-2.136	.00180	-.00625	.00167	.00579	-.00504	-.23159	-.26024	522.13732	6.99825	3.03379
.699	-1.073	.00502	-.00920	.00154	.00599	-.00635	-.23023	-.25876	521.82079	6.96826	3.02378
.699	-.004	.00532	-.00922	.00143	.00587	-.00724	-.22842	-.25606	521.81756	6.97826	3.02378
.700	1.062	.00632	-.00954	.00117	.00501	-.00856	-.22632	-.25275	522.13086	6.97826	3.01377
.699	2.127	.00772	-.01044	.00097	.00598	-.01015	-.22519	-.24998	521.97745	7.03824	3.01377
.699	3.193	.00781	-.00997	.00075	.00626	-.01150	-.22293	-.24638	521.98068	7.01825	3.01377
.700	4.278	.00798	-.01015	.00075	.00602	-.01294	-.22184	-.24469	522.05739	7.03824	3.01377
.700	5.336	.00747	-.00935	.00064	.00611	-.01439	-.22067	-.24263	522.29072	7.01825	3.00375
.700	6.410	.00682	-.00868	.00064	.00600	-.01703	-.21967	-.24071	522.52402	7.00825	3.00375
.700	7.486	.00638	-.00767	.00042	.00624	-.01966	-.21860	-.24012	522.21402	6.97826	2.99374
.700	8.565	.00582	-.00725	.00047	.00653	-.02173	-.21882	-.23900	522.06062	6.96826	2.99374
.700	9.642	.00706	-.00830	.00038	.00731	-.02391	-.21947	-.23918	522.28102	6.92827	2.97372
.700	10.702	.00487	-.00870	.00138	.00911	-.02477	-.22365	-.24019	522.36418	7.01825	2.94368
.699	11.750	.00485	-.00739	.00088	.00834	-.02337	-.23083	-.24511	521.31756	6.94826	2.95370
.700	12.830	.00443	-.00508	.00017	.00743	-.02617	-.23599	-.25036	522.98400	6.95826	2.97372
.699	13.887	.00538	-.00515	-.00019	.00714	-.03088	-.24753	-.26774	521.58093	6.93827	2.96370
.700	14.986	.00513	-.00647	.00040	.00906	-.03355	-.25963	-.29002	521.96776	6.96826	2.97372
.700	17.165	.00641	-.00526	-.00059	.00846	-.05036	-.28248	-.32121	522.67088	6.93827	2.96370
.700	19.305	.00533	-.00283	-.00111	.00610	-.04911	-.31145	-.35338	522.29395	7.00825	3.00375
GRADIENT		.00101	-.00073	-.00011	.00004	-.00118	.00157	.00259	-.03266	.00527	-.00138

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 84/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.715	.00163	-.00565	.00155	.00551	.00340	-.23994	-.26934	576.82704	7.03912	2.97409
.800	-2.152	.00340	-.00740	.00161	.00586	.00069	-.23563	-.26217	577.40116	7.04912	3.00413
.800	-1.089	.00503	-.00854	.00148	.00558	-.00090	-.23327	-.25819	577.53521	7.04912	2.99412
.801	.000	.00717	-.00992	.00125	.00612	-.00238	-.23112	-.25414	577.80955	7.03912	3.01414
.800	1.075	.00850	-.01080	.00112	.00604	-.00426	-.22949	-.25133	577.05964	7.04912	3.01414
.800	2.169	.00897	-.01047	.00083	.00620	-.00666	-.22630	-.24705	577.60223	7.04912	2.99412
.800	3.231	.01022	-.01116	.00065	.00648	-.00899	-.22450	-.24447	576.90666	7.05912	2.99412
.800	4.314	.00973	-.01031	.00050	.00660	-.01218	-.22263	-.24218	577.55410	7.04912	2.99412
.800	5.389	.00811	-.00841	.00034	.00673	-.01583	-.22150	-.24066	577.27965	7.04912	2.98410
.800	6.490	.00793	-.00930	.00073	.00735	-.02051	-.22119	-.24130	577.40116	7.04912	2.97409
.799	7.568	.00708	-.00891	.00087	.00775	-.02205	-.22370	-.24357	576.09517	7.04912	2.96408
.800	8.623	.00655	-.00800	.00071	.00733	-.02259	-.22459	-.24400	577.44301	7.04912	2.92402
.800	9.699	.00619	-.00649	.00026	.00644	-.02137	-.22702	-.24494	577.08476	7.00912	2.89398
.800	10.775	.00484	-.00531	.00029	.00672	-.01957	-.23051	-.24691	577.60853	6.94913	2.89398
.799	11.852	.00461	-.00497	.00023	.00724	-.01954	-.23946	-.25353	576.65089	6.83915	2.90399
.800	12.917	.00463	-.00540	.00038	.00815	-.02478	-.24879	-.26322	576.84587	7.03912	3.00413
.800	14.006	.00520	-.00561	.00025	.00837	-.03305	-.25896	-.28309	577.32154	7.02912	2.95406
.800	15.109	.00539	-.00534	.00007	.00888	-.04345	-.27172	-.30432	577.41374	7.00912	2.90399
.799	17.276	.00614	-.00436	-.00060	.00756	-.05526	-.29525	-.33172	576.63835	6.94913	2.96408
.800	19.426	.00708	-.00364	-.00124	.00851	-.05188	-.31407	-.35066	577.68814	6.96913	3.04419
GRADIENT		.00111	-.00063	-.00015	.00013	-.00187	.00213	.00337	.02589	.00141	.00114

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 79/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.926	-.00226	-.00216	.00155	.00144	.02110	-.25863	-.29653	625.42849	7.01737	3.05344
.900	-2.213	-.00013	-.00453	.00175	.00226	.01253	-.25383	-.28563	625.18166	7.00737	3.00378
.900	-1.124	.00126	-.00540	.00163	.00210	.00770	-.25111	-.27955	625.06277	7.00737	3.01339
.899	-.027	.00356	-.00634	.00125	.00220	.00272	-.24824	-.27220	624.68770	7.00737	3.01339
.900	1.067	.00471	-.00688	.00109	.00252	-.00292	-.24581	-.26813	625.13134	6.99738	3.03341
.900	2.156	.00641	-.00863	.00120	.00373	-.00751	-.24402	-.26471	625.51532	7.00737	3.04342
.899	3.247	.00556	-.00826	.00133	.00492	-.01203	-.24268	-.26165	624.75630	7.01737	3.01339
.901	4.345	.00676	-.00991	.00157	.00619	-.01499	-.24120	-.26001	625.68437	7.02736	3.01339
.900	5.420	.00437	-.00770	.00150	.00606	-.01730	-.24180	-.26200	625.42849	6.97738	3.01339
.900	6.500	.00631	-.00980	.00166	.00733	-.02349	-.24098	-.26282	625.25022	6.97738	2.98336
.899	7.569	.00482	-.00730	.00120	.00640	-.02569	-.24407	-.26591	624.74719	7.01737	3.00338
.900	8.662	.00369	-.00475	.00060	.00581	-.02777	-.24807	-.26926	625.12221	6.97738	3.03341
.900	9.737	.00244	-.00224	.00005	.00546	-.03350	-.25222	-.27000	625.44676	7.04736	2.98336
.899	10.821	.00283	-.00117	-.00049	.00670	-.03635	-.26243	-.27417	624.76541	6.94739	2.93330
.900	11.903	.00277	.00016	-.00097	.00723	-.04463	-.27466	-.28396	625.56558	6.95739	3.07346
.900	12.990	.00320	.00116	-.00150	.00740	-.05362	-.28717	-.30017	625.13134	6.96739	2.97335
.900	14.068	.00316	.00164	-.00167	.00739	-.06197	-.29956	-.31564	625.25022	7.04736	3.02340
.900	15.169	.00502	.00207	-.00246	.00757	-.06712	-.30897	-.32915	625.01243	6.96739	2.98336
.900	17.349	.00472	.00123	-.00206	.00704	-.07325	-.32568	-.33953	624.80667	6.92740	2.96333
.900	19.511	.00469	.00278	-.00266	.00657	-.07302	-.34548	-.37138	625.16783	7.08734	2.97335
GRADIENT		.00113	-.00087	-.00004	.00053	-.00445	.00211	.00445	.01176	.00102	-.00153

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 76/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.919	-3.834	-.00203	-.00049	.00083	.00050	.03174	-.27330	-.30347	633.52029	7.02736	3.01339
.920	-2.226	.00020	-.00245	.00087	.00118	.02039	-.26692	-.29378	633.63709	7.04736	3.05344
.920	-1.139	.00189	-.00300	.00053	.00140	.01213	-.26168	-.28855	633.72420	7.04736	3.05344
.919	-.035	.00350	-.00312	.00007	.00156	.00457	-.25720	-.28188	633.46188	7.00737	3.05344
.920	1.051	.00432	-.00279	-.00032	.00223	-.00314	-.25556	-.27825	633.82182	7.00737	3.02340
.920	2.157	.00685	-.00442	-.00051	.00315	-.01036	-.25276	-.27572	633.69548	6.98738	3.04342
.920	3.255	.00632	-.00423	-.00041	.00432	-.01762	-.25009	-.27242	634.43398	6.98738	3.04342
.920	4.339	.00637	-.00664	.00048	.00538	-.02244	-.24984	-.27157	634.14237	6.93740	3.02340
.919	5.427	.00520	-.00564	.00047	.00587	-.02508	-.25298	-.27434	633.47144	6.98738	3.00338
.920	6.518	.00600	-.00635	.00049	.00687	-.03024	-.25398	-.27520	634.03525	6.96739	2.98336
.920	7.601	.00626	-.00459	-.00027	.00645	-.03155	-.25707	-.27445	633.76344	6.93740	3.04342
.920	8.684	.00697	-.00240	-.00133	.00693	-.03229	-.26236	-.27428	634.14237	6.98738	2.98336
.921	9.767	.00283	.00047	-.00109	.00672	-.04137	-.26796	-.27911	634.63771	6.98738	2.97335
.920	10.856	.00329	.00040	-.00122	.00819	-.04545	-.27811	-.29058	634.12318	6.94739	2.99337
.920	11.928	.00261	.00027	-.00095	.00737	-.05531	-.29270	-.30658	634.45320	6.91741	3.03341
.920	13.020	.00258	.00284	-.00192	.00708	-.06351	-.30348	-.32102	634.19111	6.98738	2.98336
.919	14.103	.00403	.00176	-.00199	.00715	-.07100	-.31427	-.33376	633.46188	6.97738	2.97335
.920	15.212	.00390	.00265	-.00229	.00710	-.07922	-.32497	-.34970	634.10320	6.93740	2.97335
.920	17.388	.00439	.00223	-.00241	.00678	-.08969	-.34791	-.37292	634.07443	6.94739	2.96333
.920	19.561	.00619	.00199	-.00281	.00620	-.08738	-.36441	-.38899	633.84098	6.98738	2.97335
GRADIENT	.00111	-.00059	-.00013	.00059	-.00675	.00292	.00393	.08917	-.01134	-.00016	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 63/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.951	-3.899	-.00323	.00127	.00053	.00401	.04896	-.31476	-.32875	647.18635	7.02736	3.01339
.951	-2.185	-.00153	.00022	.00039	.00359	.02897	-.30900	-.32023	647.30540	7.01737	3.00338
.951	-1.077	.00131	-.00165	.00021	.00413	.01822	-.30625	-.31701	647.21685	6.99738	3.01339
.951	.019	.00346	-.00280	-.00002	.00404	.00877	-.30245	-.31335	647.29379	7.01737	3.03341
.951	1.119	.00497	-.00342	-.00025	.00413	-.00119	-.29931	-.31120	647.24007	7.02736	3.02340
.951	2.215	.00523	-.00322	-.00041	.00433	-.01116	-.29703	-.30929	647.17474	6.99738	3.03341
.950	3.312	.00496	-.00303	-.00040	.00454	-.02115	-.29530	-.30648	646.94818	7.01737	3.04342
.950	4.423	.00456	-.00331	-.00017	.00504	-.03122	-.29452	-.30449	647.07887	7.03736	3.00338
.951	5.501	.00396	-.00318	-.00003	.00562	-.03942	-.29520	-.30637	647.19795	7.00737	3.01339
.950	6.598	.00275	-.00252	.00009	.00528	-.04547	-.29442	-.30464	647.01353	6.97738	3.00338
.950	7.688	.00170	-.00095	-.00017	.00595	-.04927	-.29377	-.30375	647.10206	6.96739	3.02340
.950	8.778	.00127	-.00072	-.00013	.00622	-.05414	-.29591	-.30830	646.94818	6.98738	3.03341
.950	9.867	.00185	.00073	-.00086	.00673	-.05851	-.30325	-.32141	647.10206	6.94739	3.02340
.950	10.955	.00270	.00079	-.00115	.00757	-.06470	-.31254	-.33029	647.24435	6.99738	2.95332
.950	12.044	.00897	.00120	-.00268	.00779	-.07205	-.32511	-.34063	647.11366	7.00737	2.96333
.950	13.132	.01298	-.00027	-.00405	.00818	-.07966	-.33642	-.35443	646.86383	6.97738	3.01339
.950	14.213	.01548	.00024	-.00507	.00843	-.08584	-.34786	-.37067	646.79847	6.97738	2.98336
.951	15.323	.01965	-.00074	-.00607	.00870	-.09170	-.35818	-.38564	647.30540	7.02736	3.00338
.950	17.510	.02259	-.00296	-.00626	.00741	-.09983	-.39205	-.41539	646.86793	6.99738	3.00338
.950	19.697	.00231	.00409	-.00231	.00535	-.10389	-.42301	-.45069	646.92919	7.06735	3.01339
GRADIENT		.00105	-.00056	-.00011	.00013	-.00944	.00251	.00276	-.02680	.00068	.00185

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 355

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 975.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BOFLAP = .000
ELEVON = 5.000 AILRON = 2.000

RUN NO. 70/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.914	-.00225	.00057	.00048	.00470	.05650	-.38533	-.39720	658.82774	6.99738	3.01339
.980	-2.234	.00021	-.00122	.00040	.00460	.03637	-.37444	-.38684	658.44528	7.03736	3.02340
.980	-1.139	.00183	-.00169	.00008	.00494	.02521	-.37401	-.38629	658.81258	7.02736	3.01339
.980	-.031	.00396	-.00281	-.00015	.00463	.01589	-.36969	-.38186	658.84289	6.99738	3.01339
.980	1.059	.00538	-.00335	-.00038	.00498	.00513	-.36827	-.38069	658.82774	6.97738	3.01339
.980	2.179	.00549	-.00230	-.00062	.00513	-.00538	-.36813	-.38054	658.81215	7.00737	3.00338
.980	3.272	.00652	-.00359	-.00064	.00523	-.01633	-.36852	-.38177	658.73595	6.96739	3.02340
.980	4.371	.00637	-.00328	-.00071	.00554	-.02770	-.37106	-.38478	658.62898	7.00737	2.99337
.980	5.468	.00524	-.00273	-.00058	.00644	-.03780	-.37335	-.38778	658.56792	6.93740	2.99337
.980	6.559	.00453	-.00319	-.00019	.00588	-.04579	-.37727	-.39167	658.62898	6.97738	2.97335
.980	7.659	.00319	-.00299	.00011	.00616	-.05416	-.38067	-.39696	658.46094	6.97738	2.95332
.980	8.750	.00214	-.00282	.00041	.00625	-.06036	-.38826	-.40737	658.53715	7.00737	2.95332
.980	9.845	.00110	-.00264	.00066	.00653	-.06737	-.39812	-.42111	658.69004	6.97738	2.97335
.980	10.937	.00006	-.00032	.00010	.00659	-.07433	-.41185	-.43429	658.93426	6.97738	3.03341
.980	12.020	-.00492	.00005	.00152	.00692	-.08117	-.42507	-.44296	658.38421	6.95739	3.00338
.980	13.113	-.00543	.00026	.00161	.00684	-.08824	-.44085	-.45392	658.56743	6.96739	2.97335
.980	14.227	.00294	-.00147	-.00037	.00756	-.09316	-.45121	-.46530	658.55176	6.94739	2.97335
.980	15.306	.00421	-.00281	-.00027	.00771	-.09821	-.46227	-.47405	658.49122	6.94739	2.99337
.980	16.524	.00347	-.00369	.00028	.00671	-.10921	-.48028	-.49245	659.11550	6.94739	2.98336
.980	17.703	.00458	-.00010	-.00145	.00593	-.11958	-.50488	-.52860	658.61427	6.96739	2.98336
.980	GRADIENT	.00109	-.00045	-.00016	.00010	-.00992	.00160	.00142	-.00046	-.00350	-.00170

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 356

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 66/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-3.815	-.00091	.00086	-.00006	.00436	.06542	-.37863	-.38858	707.75798	7.05735	3.00338
1.121	-2.225	.00067	.00009	-.00023	.00439	.04589	-.37025	-.38079	707.87698	6.98738	3.00338
1.121	-1.127	.00302	-.00126	-.00038	.00442	.02979	-.36224	-.37369	707.98464	7.01737	2.99337
1.120	-.013	.00454	-.00155	-.00071	.00443	.01332	-.35814	-.37095	707.48425	7.02736	2.98336
1.120	1.090	.00601	-.00211	-.00091	.00444	-.00249	-.35715	-.37018	707.80289	6.99738	2.98336
1.120	2.190	.00740	-.00241	-.00120	.00459	-.01667	-.35594	-.36931	707.60545	6.99738	2.95332
1.120	3.289	.00695	-.00179	-.00131	.00482	-.02932	-.35856	-.37070	707.57617	6.97738	3.00338
1.120	4.387	.00682	-.00142	-.00141	.00480	-.04104	-.36311	-.37546	707.50187	6.96739	2.99337
1.121	5.488	.00557	-.00029	-.00149	.00536	-.05183	-.36938	-.38136	707.90837	6.99738	3.01339
1.120	6.590	.00573	-.00045	-.00147	.00572	-.06031	-.37536	-.38687	707.63876	6.96739	2.98336
1.120	7.681	.00512	-.00033	-.00135	.00594	-.06843	-.38212	-.39316	707.60747	6.95739	2.96333
1.120	8.775	.00411	.00044	-.00135	.00556	-.07311	-.38590	-.39593	707.78722	6.98738	2.99337
1.121	9.875	.00371	.00104	-.00147	.00569	-.07802	-.38461	-.39441	708.19513	6.98738	2.99337
1.120	10.974	.00278	.00207	-.00159	.00540	-.08205	-.38882	-.39765	707.62112	7.03736	3.02340
1.120	12.068	.00200	-.00100	-.00020	.00605	-.08531	-.39866	-.40455	707.59183	6.97738	3.00338
1.120	13.179	.00309	-.00052	-.00071	.00615	-.08992	-.40789	-.41429	707.71304	7.03736	2.97335
1.120	14.291	.00393	-.00227	-.00030	.00703	-.09760	-.41840	-.42736	707.87916	7.00737	2.99337
1.120	15.408	.00323	-.00291	.00015	.00763	-.10698	-.43332	-.44481	707.62312	6.98738	2.97335
1.121	17.595	.00462	-.00218	-.00055	.00661	-.11856	-.46844	-.48706	708.34321	6.93740	2.98336
1.120	19.766	.00543	-.00112	-.00122	.00556	-.12562	-.47483	-.50084	707.97313	6.97738	3.02340
	GRADIENT	.00105	-.00031	-.00018	.00006	-.01329	.00201	.00169	-.04178	-.00818	-.00203

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TABULATED SOURCE DATA - LA62

PAGE 357

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3015) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 55/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.801	-.00111	-.00129	.00080	.00412	.06286	-.37314	-.38907	730.22196	6.95739	3.03341
1.200	-2.155	.00241	-.00341	.00062	.00394	.03887	-.37182	-.38680	729.88495	6.99738	2.99337
1.200	-1.065	.00339	-.00308	.00023	.00343	.02277	-.36990	-.38328	730.04386	6.95739	2.98336
1.200	.044	.00543	-.00405	.00003	.00349	.00669	-.36922	-.37982	730.05738	6.95739	2.96333
1.2J1	1.140	.00646	-.00376	-.00036	.00371	-.00735	-.36568	-.37329	730.12904	6.96739	3.02340
1.201	2.233	.00819	-.00419	-.00068	.00407	-.02023	-.36229	-.36873	730.12123	6.98738	3.00338
1.201	3.322	.00799	-.00358	-.00085	.00435	-.03278	-.35970	-.36690	730.17160	6.94739	2.98336
1.201	4.416	.00820	-.00369	-.00088	.00422	-.04401	-.36067	-.36936	730.17160	6.96739	2.96333
1.201	5.524	.00772	-.00318	-.00094	.00456	-.05539	-.36474	-.37342	730.35961	6.96739	2.97335
1.201	6.635	.00615	-.00224	-.00086	.00436	-.06588	-.37013	-.37621	730.09996	6.95739	2.98336
1.200	7.724	.00555	-.00193	-.00082	.00460	-.07370	-.37559	-.38123	730.09424	6.95739	2.98336
1.200	8.816	.00499	-.00185	-.00069	.00480	-.08075	-.37768	-.38298	730.15238	6.99738	3.03341
1.200	9.916	.00471	-.00137	-.00080	.00513	-.08727	-.38190	-.38643	729.97989	7.00737	2.98336
1.201	11.032	.00356	.00011	-.00104	.00437	-.08991	-.38594	-.39066	730.07867	6.95739	3.02340
1.200	12.145	.00374	-.00137	-.00054	.00493	-.09531	-.39367	-.39869	729.95083	6.95739	3.00338
1.201	13.250	.00380	-.00183	-.00041	.00506	-.10219	-.40426	-.40933	730.38088	7.01737	3.01339
1.201	14.330	.00480	-.00225	-.00052	.00508	-.10693	-.41320	-.41995	730.36520	6.97738	2.97335
1.201	15.441	.00480	-.00208	-.00059	.00521	-.111405	-.42323	-.43562	730.20850	7.01737	3.01339
1.200	17.647	.00487	-.00087	-.00108	.00455	-.12639	-.44201	-.46783	730.05340	6.95739	3.00338
1.200	19.322	.00600	-.00120	-.00131	.00470	-.12976	-.46607	-.48266	730.08067	6.99738	3.00338
1.200	GRADIENT	.00115	-.00023	-.00023	.00005	-.01306	.00180	.00299	.01259	-.00070	-.00459

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TABULATED SOURCE DATA - LA62

PAGE 358

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .700 SPDBRK = 25.000
 RUDDER = .J00 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 101/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.732	.00129	-.00149	.00000	.00437	-.03967	-.24409	-.27335	462.16815	12.00700	8.02003
.600	-2.082	.00297	-.00362	.00007	.00459	-.04098	-.24209	-.26917	462.07856	11.99700	8.00000
.600	-1.025	.00446	-.00521	.00002	.00471	-.04171	-.24013	-.26720	462.24624	11.98700	8.01001
.600	.039	.00667	-.00717	-.00020	.00510	-.04260	-.23886	-.26527	462.08184	11.99700	7.95995
.600	1.105	.00801	-.00811	-.00043	.00514	-.04362	-.23716	-.26510	462.08184	11.97701	7.97997
.600	2.153	.00876	-.00868	-.00054	.00519	-.04502	-.23515	-.26207	462.33090	11.97701	8.00000
.600	3.197	.00866	-.00809	-.00073	.00535	-.04629	-.23458	-.25986	461.49400	11.96701	8.00000
.600	4.267	.00847	-.00771	-.00079	.00552	-.04756	-.23205	-.25680	462.08020	12.00700	7.98999
.600	5.342	.00790	-.00689	-.00085	.00584	-.04928	-.23150	-.25353	462.16322	11.97701	8.00000
.600	6.379	.00705	-.00623	-.00074	.00597	-.05175	-.23082	-.24966	461.82618	11.97701	7.96996
.601	7.462	.00673	-.00620	-.00061	.00656	-.05511	-.22962	-.24742	462.49528	11.99700	7.98999
.600	8.537	.00546	-.00439	-.00075	.00701	-.05776	-.23197	-.24758	461.91414	11.98700	8.01001
.600	9.595	.00656	-.00640	-.00048	.00747	-.06104	-.23282	-.24792	461.91414	11.97701	7.98999
.600	10.650	.00577	-.00532	-.00055	.00808	-.06288	-.23458	-.25172	461.49564	11.97701	8.00000
.600	11.727	.00541	-.00491	-.00055	.00862	-.06528	-.23657	-.25622	461.91742	11.97701	7.98999
.600	12.801	.00518	-.00774	.00061	.00899	-.06913	-.24062	-.26501	461.66501	11.97701	7.98999
.600	13.868	.00427	-.01166	.00249	.01313	-.07273	-.24867	-.27693	461.58032	11.97701	8.06008
.600	14.933	.00512	-.00787	.00067	.01154	-.07757	-.25719	-.29062	462.16651	11.98700	8.05006
.600	17.059	.00541	-.00233	-.00159	.00724	-.08787	-.28684	-.33015	462.08184	11.98700	7.98999
.600	19.188	.00503	-.00128	-.00184	.00552	-.09203	-.31015	-.36467	462.33419	11.99700	8.00000
GRADIENT		.00101	-.00085	-.00012	.00014	-.00099	.00149	.00192	-.03461	-.00224	-.00255

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TABULATED SOURCE DATA - 1 A62

PAGE 359

LARC 8FT TPT 717(L -62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 90/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.762	.00017	-.00155	.00052	.00408	-.03668	-.24214	-.27408	523.96209	11.97701	8.00000
.701	-2.097	.00248	-.00410	.00060	.00407	-.03880	-.24128	-.26919	523.88222	11.98700	8.00000
.701	-1.029	.00427	-.00553	.00045	.00436	-.04027	-.23891	-.26533	524.12508	11.98700	7.98999
.701	.035	.00518	-.00590	.00024	.00455	-.04153	-.23685	-.26300	523.73223	11.97701	8.00000
.700	1.106	.00649	-.00672	.00004	.00507	-.04347	-.23505	-.26021	522.76376	11.98700	8.00000
.700	2.172	.00804	-.00793	-.00010	.00531	-.04529	-.23212	-.25627	522.29395	11.97701	7.98999
.700	3.245	.00699	-.00641	-.00028	.00520	-.04724	-.23072	-.25294	522.04769	11.97701	7.98999
.699	4.308	.00841	-.00736	-.00048	.00522	-.04911	-.22917	-.25007	521.50742	12.00700	7.98999
.699	5.369	.00778	-.00742	-.00021	.00562	-.05122	-.22835	-.24729	521.65766	11.98700	7.98999
.700	6.454	.00678	-.00610	-.00032	.00591	-.05473	-.22650	-.24364	522.05416	11.94701	7.96996
.699	7.532	.00717	-.00642	-.00037	.00633	-.05958	-.22718	-.24268	521.58416	11.97701	7.97997
.700	8.617	.00679	-.00633	-.00025	.00692	-.06447	-.22719	-.24161	522.51754	11.98700	7.98999
.700	9.691	.00655	-.00641	-.00014	.00886	-.06951	-.22899	-.24372	522.21079	11.97701	7.98999
.700	10.763	.00651	-.01081	.00153	.01118	-.07039	-.23204	-.24840	522.14378	11.97701	7.96996
.700	11.822	.00530	-.00951	.00151	.01171	-.06902	-.23802	-.25631	522.21726	11.98700	8.02003
.699	12.879	.00559	-.00784	.00075	.00997	-.07035	-.24605	-.26986	521.83046	11.96701	8.00000
.699	13.947	.00624	-.00599	-.00022	.00793	-.07309	-.25494	-.28396	521.81756	12.00700	8.01001
.699	15.040	.00591	-.00566	-.00022	.00857	-.07703	-.26818	-.30391	521.58093	12.00700	7.98999
.700	17.212	.00618	-.00280	-.00144	.00799	-.09468	-.29854	-.34235	521.97099	11.97701	8.01001
.699	19.349	.00539	-.00052	-.00201	.00539	-.09106	-.32782	-.38173	521.67056	11.99700	8.00000
	GRADIENT	.00100	-.00066	-.00014	.00018	-.00155	.00175	.00298	-.34319	.00150	-.00127

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TABULATED SOURCE DATA - LA62

PAGE 360

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 83/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.724	.00112	-.00085	-.00007	.00300	-.02752	-.24870	-.27831	577.09526	11.99850	8.01102
.800	-2.129	.00419	-.00324	-.00024	.00361	-.03147	-.24567	-.27001	577.16231	12.02850	8.03104
.801	-1.038	.00391	-.00271	-.00034	.00370	-.03369	-.24260	-.26422	577.71103	12.00850	8.01102
.800	.047	.00731	-.00645	-.00011	.00395	-.03599	-.23956	-.25999	577.44930	12.00850	8.04106
.800	1.100	.00845	-.00572	-.00078	.00450	-.03890	-.23731	-.25733	577.65664	12.02850	8.02103
.800	2.200	.00906	-.00632	-.00078	.00474	-.04231	-.23431	-.25327	577.30896	12.00850	8.00100
.800	3.265	.00950	-.00637	-.00092	.00482	-.04593	-.23280	-.25096	576.96745	12.01850	8.00100
.801	4.338	.01020	-.00704	-.00090	.00491	-.04982	-.23030	-.24737	577.81585	11.98850	8.00100
.800	5.447	.01000	-.00742	-.00070	.00579	-.05493	-.22996	-.24555	577.26079	11.97850	7.97096
.800	6.543	.00843	-.00713	-.00027	.00724	-.06097	-.23080	-.24491	576.82704	11.96850	7.94092
.801	7.613	.00830	-.00715	-.00022	.00767	-.06439	-.23129	-.24497	577.72994	11.98850	8.00100
.800	8.686	.00679	-.00612	-.00009	.00787	-.06594	-.23461	-.24816	576.84587	11.95851	7.98097
.800	9.756	.00753	-.00605	-.00038	.00687	-.06561	-.23833	-.25170	577.47448	11.97850	7.98097
.799	10.815	.00647	-.00517	-.00035	.00693	-.06493	-.24347	-.25767	576.49789	11.94851	7.98097
.800	11.910	.00480	-.00303	-.00057	.00707	-.06534	-.25010	-.26491	577.66294	11.96850	8.07110
.800	12.981	.00530	-.00407	-.00036	.00822	-.07050	-.25881	-.27862	576.99885	11.96850	8.00100
.800	14.057	.00630	-.00431	-.00064	.00822	-.07974	-.27198	-.30023	577.74255	11.96850	7.98097
.800	15.165	.00572	-.00291	-.00097	.00790	-.09167	-.28745	-.32188	577.27337	11.94851	8.07110
.800	17.321	.00644	-.00176	-.00169	.00684	-.10189	-.30929	-.34942	577.73625	12.03850	7.98097
.800	19.457	.00754	-.00210	-.00200	.00721	-.09334	-.33010	-.37710	576.99885	11.93851	8.06108
	GRADIENT	.00114	-.00074	-.00012	.00025	-.00272	.00234	.00371	.03420	-.00090	-.00271

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 361

LARC BFT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BOFLAP = .000
ELEVON = 10.000 AILRON = 2.000

RUN NO. 78/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.906	-.00067	.00147	-.00034	.00316	-.00020	-.27120	-.29803	625.43300	11.96551	8.00901
.900	-2.193	.00160	-.00151	.00006	.00445	-.01152	-.26538	-.28434	625.83522	11.99550	8.03904
.900	-1.094	.00317	-.00313	.00016	.00417	-.01771	-.26208	-.27945	625.00331	11.99550	8.04906
.900	-.003	.00506	-.00396	-.00013	.00461	-.02314	-.25755	-.27293	625.61583	11.99551	8.02903
.900	1.085	.00540	-.00334	-.00048	.00509	-.03148	-.25504	-.27043	625.30965	11.99550	8.02903
.900	2.185	.00807	-.00547	-.00053	.00523	-.03978	-.25147	-.26788	625.11309	11.98551	8.01902
.900	3.279	.00766	-.00574	-.00030	.00583	-.04811	-.24966	-.26659	624.91649	11.98551	8.01902
.900	4.378	.00755	-.00628	-.00007	.00696	-.05560	-.25026	-.26531	624.99419	11.97551	7.98899
.900	5.465	.00664	-.00407	-.00061	.00712	-.06063	-.25381	-.25933	624.91649	11.97551	8.01902
.900	6.559	.00677	-.00363	-.00082	.00756	-.06986	-.25624	-.25924	625.13134	11.98551	7.98899
.900	7.638	.00631	-.00254	-.00109	.00701	-.07533	-.26069	-.26680	625.00331	12.00550	8.02903
.900	8.719	.00557	-.00106	-.00142	.00725	-.07817	-.26723	-.27569	625.01243	11.97551	7.98899
.900	9.811	.00430	.00159	-.00201	.00699	-.08424	-.27432	-.28475	625.18166	11.99550	7.99900
.899	10.885	.00403	.00109	-.00174	.00710	-.08936	-.28265	-.29643	624.83401	11.97551	8.02903
.900	11.964	.00384	.00159	-.00187	.00738	-.09673	-.29301	-.30925	625.00331	11.99550	7.98899
.900	13.049	.00382	.00335	-.00253	.00699	-.10527	-.30513	-.32268	625.42849	12.04548	8.02903
.900	14.132	.00420	.00239	-.00230	.00698	-.11159	-.31372	-.32938	624.81578	11.97551	7.97898
.900	15.227	.00534	.00240	-.00269	.00678	-.11718	-.32413	-.34337	624.87526	11.99550	8.01902
.900	17.405	.00565	.00111	-.00233	.00575	-.12278	-.34774	-.36775	625.17253	11.98551	7.99900
.901	19.539	.00530	.00464	-.00357	.00450	-.11814	-.37157	-.39958	625.89913	12.02549	7.98899
	GRADIENT	.00108	-.00086	-.00002	.00039	-.00670	.00271	.00376	-.07727	.00022	-.00311

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 362

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 77/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.926	-.00190	.00247	-.00033	.00395	.01407	-.28720	-.29075	633.76344	12.01549	7.97898
.919	-2.209	.00156	.00024	-.00059	.00498	-.00271	-.28232	-.28281	633.58826	11.98551	8.04906
.920	-1.106	.00353	-.00032	-.00100	.00552	-.01320	-.27751	-.27727	634.07443	11.97551	8.01902
.920	-.013	.00514	-.00033	-.00151	.00563	-.02298	-.27346	-.27398	634.26864	11.98551	8.01902
.920	1.093	.00693	-.00133	-.00170	.00603	-.03395	-.27046	-.27149	633.75386	11.98551	8.01902
.920	2.187	.00850	-.00202	-.00194	.00580	-.04432	-.26954	-.27106	633.88977	11.97551	8.00901
.920	3.285	.00811	-.00137	-.00207	.00654	-.05440	-.26796	-.26949	633.80265	12.02549	7.99900
.920	4.381	.00857	-.00217	-.00191	.00678	-.06446	-.26718	-.26736	633.89935	12.01549	7.98899
.920	5.473	.00710	-.00281	-.00121	.00706	-.07171	-.27079	-.26996	634.14237	12.05548	7.96897
.920	6.573	.00666	-.00327	-.00090	.00709	-.07695	-.27455	-.28149	634.04484	11.95552	8.02903
.920	7.637	.00683	-.00215	-.00138	.00706	-.08042	-.27606	-.28657	633.99605	11.95552	7.97898
.920	8.732	.00516	-.00013	-.00161	.00690	-.08742	-.28187	-.29591	634.04484	11.97551	7.98899
.920	9.814	.00461	.00115	-.00192	.00706	-.09232	-.28776	-.30636	634.15196	11.96551	7.99900
.920	10.915	.00471	.00197	-.00227	.00788	-.09880	-.29365	-.31505	634.52112	11.99550	8.00901
.920	11.979	.00384	.00176	-.00192	.00710	-.10708	-.30515	-.32072	634.06484	11.93552	7.99900
.920	13.063	.00384	.00267	-.00226	.00679	-.11484	-.31423	-.32803	634.00649	12.02549	7.96897
.920	14.153	.00337	.00376	-.00253	.00643	-.12015	-.32303	-.33689	634.00649	11.98551	7.96897
.920	15.267	.00495	.00208	-.00242	.00663	-.12689	-.33383	-.35112	634.21030	11.95552	7.94894
.920	17.436	.00487	.00256	-.00259	.00522	-.13594	-.36177	-.38202	634.52112	11.94552	7.97898
.920	19.592	.00542	.00441	-.00350	.00380	-.13136	-.39149	-.42076	633.95772	12.00550	8.02903
GRADIENT		.00129	-.00049	-.00022	.00030	-.00945	.00249	.00265	.01068	.00174	-.00172

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TABULATED SOURCE DATA - LAG2

PAGE 363

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 64/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.808	-.00192	.00218	-.00023	.00380	-.01138	-.32849	646.90602	11.97551	7.99900
.951	-2.157	.00121	.00061	-.00061	.00461	-.00998	-.32384	647.25168	11.98551	8.01902
.950	-1.057	.00362	-.00089	-.00079	.00486	-.01997	-.32095	646.93659	11.98551	8.02903
.950	.047	.00525	-.00116	-.00120	.00526	-.03106	-.31844	647.09047	11.99550	8.02903
.950	1.130	.00705	-.00180	-.00152	.00535	-.04230	-.31705	646.94818	11.98551	8.02903
.950	2.243	.00747	-.00140	-.00180	.00595	-.05409	-.31516	646.82907	11.99550	8.01902
.950	3.341	.00710	-.00068	-.00196	.00649	-.06548	-.31399	646.98296	11.98551	8.01902
.950	4.443	.00675	-.00032	-.00199	.00674	-.07717	-.31319	646.89443	11.97551	7.99900
.950	5.521	.00658	-.00081	-.00175	.00746	-.08896	-.31332	646.86383	12.00550	7.97898
.950	6.651	.00390	-.00055	-.00098	.00711	-.09708	-.31175	647.11366	11.99550	7.99900
.950	7.742	.00365	-.00228	-.00028	.00741	-.10156	-.31040	646.86383	12.03549	7.99900
.950	8.820	.00263	.00134	-.00134	.00689	-.10541	-.31148	646.61395	12.04548	7.96899
.950	9.913	.00317	.00177	-.00167	.00689	-.11116	-.31561	646.88699	11.98551	7.98899
.950	11.020	.00522	.00136	-.00217	.00739	-.11768	-.32163	646.75626	11.98551	8.00901
.950	12.081	.00982	-.00012	-.00309	.00760	-.12373	-.33241	646.57172	11.96551	7.98899
.950	13.181	.01427	-.00093	-.00422	.00756	-.12998	-.34528	646.59485	11.96551	8.01902
.949	14.271	.01655	-.00195	-.00459	.00756	-.13513	-.35865	646.36797	11.96551	7.97898
.950	15.372	.01931	-.00273	-.00521	.00759	-.14073	-.37381	647.12525	11.96551	8.01902
.950	17.539	.02291	-.00436	-.00584	.00624	-.14404	-.40175	646.70247	12.02549	7.97898
.950	19.724	.02439	-.00165	-.00746	.00436	-.14293	-.43394	646.73718	12.07547	7.98899
GRADIENT		.00109	-.00029	-.00023	.00035	-.01057	.00184	-.01804	.00030	-.00011

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TABULATED SOURCE DATA - LA62

PAGE 364

LARC 6FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDERK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 69/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.979	-3.817	.00077	.00059	-.00046	.00427	.01497	-.39299	-.41245	658.24636	11.95552	7.99900
.980	-2.219	.00236	-.00035	-.00059	.00466	-.00514	-.38573	-.40450	658.52149	12.00550	8.00901
.979	-1.103	.00391	-.00101	-.00082	.00510	-.01719	-.38212	-.39936	658.29231	11.99550	8.00901
.979	-.002	.00613	-.00176	-.00121	.00528	-.02785	-.37938	-.39640	658.24636	11.97551	8.01902
.979	1.093	.00779	-.00238	-.00149	.00525	-.03860	-.37884	-.39502	658.38365	12.02549	8.00901
.980	2.154	.00905	-.00291	-.00167	.00548	-.05010	-.38043	-.39636	658.64364	11.99550	7.99900
.980	3.293	.00846	-.00157	-.00200	.00598	-.06206	-.38165	-.39473	658.50582	11.99550	7.99900
.979	4.399	.00811	-.00054	-.00229	.00652	-.07377	-.38379	-.39520	658.21551	11.99550	7.99900
.979	5.500	.00776	-.00042	-.00223	.00725	-.08661	-.38800	-.39892	658.18527	12.01549	7.98899
.979	6.601	.00625	-.00022	-.00201	.00800	-.09750	-.39332	-.40465	658.27660	12.02549	7.99900
.979	7.698	.00506	-.00085	-.00124	.00718	-.10578	-.39527	-.40818	658.12356	11.89554	7.99900
.979	8.802	.00403	-.00115	-.00081	.00690	-.11257	-.40155	-.41835	658.24575	12.00550	7.97898
.979	9.889	.00129	-.00147	.00015	.00678	-.11970	-.40957	-.42943	658.26148	11.99550	7.36897
.979	10.984	-.00335	-.00050	.00124	.00672	-.12693	-.41801	-.44023	657.97047	11.94552	7.98899
.979	12.068	-.00416	-.00106	.00170	.00678	-.13307	-.43135	-.45302	658.35282	12.02549	7.99900
.979	13.175	-.00657	-.00024	.00216	.00695	-.13937	-.44427	-.46184	658.26087	11.94552	7.94894
.979	14.261	-.00663	-.00142	.00263	.00643	-.14541	-.45462	-.47193	657.81735	11.94552	7.97898
.979	15.363	.00468	-.00447	.00020	.00693	-.14819	-.46601	-.48099	658.15312	11.99550	7.95895
.980	17.555	.00541	-.00310	-.00056	.00539	-.15461	-.49458	-.51002	659.05546	11.98551	7.99900
.980	19.735	.00531	.00067	-.00198	.00442	-.15896	-.51275	-.54618	658.64364	11.93552	8.00901
GRADIENT		.00104	-.00022	-.00023	.00024	-.01058	.00099	.00192	.01016	.00314	-.00084

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TABULATED SOURCE DATA - LA62

PAGE 365

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 65/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.122	-3.815	.00186	.00130	-.00102	.00412	.02928	-.39940	-.40395	708.19833	12.00550	8.01902
1.120	-2.202	.00314	.00044	-.00106	.00399	.00787	-.38883	-.39576	706.89369	12.01549	8.00901
1.119	-1.097	.00502	-.00013	-.00138	.00446	-.00785	-.38303	-.39032	707.01676	12.00550	7.99900
1.120	.007	.00753	-.00129	-.00166	.00462	-.02413	-.37697	-.38317	707.04620	12.00550	7.98899
1.119	1.113	.00921	-.00181	-.00194	.00468	-.04023	-.37361	-.38083	706.92491	12.04548	8.01902
1.120	2.213	.00990	-.00145	-.00228	.00483	-.05466	-.37180	-.37980	707.09122	11.98551	7.99900
1.119	3.309	.01002	-.00108	-.00246	.00515	-.06744	-.37004	-.37794	707.04795	11.93552	7.97898
1.120	4.412	.00947	-.00039	-.00256	.00547	-.08029	-.37409	-.38086	707.15185	11.92553	8.02903
1.121	5.508	.00970	-.00010	-.00274	.00603	-.09194	-.37786	-.38318	707.61900	11.96551	7.99900
1.119	6.609	.00878	.00108	-.00293	.00639	-.10317	-.38452	-.38793	706.79128	11.98551	8.00901
1.119	7.704	.00801	.00164	-.00293	.00652	-.11241	-.38979	-.39229	706.89545	11.99550	8.00901
1.120	8.811	.00684	.00219	-.00280	.00691	-.11955	-.39488	-.39935	707.18309	12.00550	7.97898
1.120	9.913	.00596	.00170	-.00237	.00682	-.12428	-.39966	-.40478	707.18309	11.98551	8.00901
1.120	11.013	.00547	.00206	-.00237	.00614	-.12718	-.39731	-.40343	707.22618	11.98551	8.00901
1.119	12.104	.00440	.00215	-.00210	.00617	-.13089	-.40187	-.40942	706.89709	11.97551	8.00901
1.120	13.218	.00577	-.00264	-.00069	.00750	-.13491	-.41357	-.42194	707.39434	12.00550	7.98899
1.119	14.319	.00508	-.00086	-.00117	.00733	-.14108	-.42367	-.43610	707.09301	11.99550	7.99900
1.119	15.436	.00540	-.00222	-.00076	.00806	-.14936	-.43739	-.45697	706.85197	11.99550	7.93893
1.120	17.620	.00662	-.00137	-.00146	.00640	-.15840	-.45856	-.48662	708.12362	11.98551	8.04906
1.119	19.810	.00621	.00142	-.00242	.00463	-.16426	-.47092	-.50252	707.03402	12.00550	7.99900
	GRADIENT	.00109	-.00026	-.00021	.00017	-.01352	.00326	.00300	-.07396	-.00991	-.00063

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 366

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3016) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 54/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.779	.00261	-.00065	-.00047	.00376	.02918	-.38788	-.40396	730.34395	12.01549	8.03904
1.201	-2.132	.00495	-.00239	-.00046	.00363	.00524	-.38654	-.39748	730.33609	12.00550	7.98899
1.201	-1.035	.00693	-.00342	-.00062	.00359	-.01033	-.38542	-.39454	730.20627	12.01549	7.97898
1.201	.065	.00905	-.00395	-.00100	.00361	-.02641	-.38503	-.39373	729.94884	11.94552	7.99900
1.201	1.158	.01079	-.00429	-.00136	.00378	-.04050	-.38274	-.39145	730.04959	11.99550	7.98899
1.201	2.256	.01144	-.00402	-.00164	.00399	-.05396	-.37783	-.38506	730.09214	11.97551	7.97898
1.201	3.353	.01174	-.00380	-.00181	.00423	-.06730	-.37224	-.37981	730.28573	11.96551	7.97898
1.201	4.462	.01067	-.00275	-.00192	.00436	-.08018	-.37336	-.38008	730.18721	11.97551	7.99900
1.200	5.548	.01030	-.00202	-.00209	.00480	-.09224	-.37578	-.38088	730.19500	11.97551	7.98899
1.200	6.646	.00892	-.00134	-.00197	.00470	-.10294	-.37896	-.38307	730.20276	11.97551	7.99900
1.200	7.738	.00781	-.00065	-.00193	.00444	-.11224	-.38360	-.38801	730.27445	11.98551	7.98899
1.200	8.853	.00743	-.00021	-.00200	.00482	-.12094	-.38867	-.39607	730.01478	12.00550	8.01902
1.201	9.960	.00580	.00099	-.00200	.00483	-.12748	-.39001	-.40071	730.54762	11.98551	7.98899
1.201	11.073	.00542	.00135	-.00204	.00381	-.13260	-.39231	-.40569	730.20627	11.97551	8.00901
1.200	12.164	.00579	.00033	-.00176	.00474	-.13635	-.39505	-.40735	730.21051	11.97551	8.01902
1.200	13.275	.00546	.00044	-.00172	.00470	-.14429	-.40319	-.41738	729.99347	11.96551	8.00901
1.200	14.364	.00597	-.00294	-.00059	.00597	-.14927	-.41815	-.43453	730.00895	11.99550	8.00901
1.200	15.473	.00698	-.00366	-.00061	.00571	-.15522	-.42586	-.44456	730.14462	11.97551	7.98899
1.200	17.674	.00833	-.00174	-.00176	.00439	-.16360	-.44025	-.46769	729.99531	12.01549	7.97898
1.200	19.851	.00757	.00043	-.00239	.00418	-.16535	-.45808	-.48649	730.21824	11.97551	7.99900
	GRADIENT	.00111	-.00026	-.00021	.00009	-.01328	.00204	.00298	-.01746	-.00576	-.00383

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 367

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3017) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = 10.000 AILRON = 2.000

RUN NO. 89/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.649	.00060	-.00001	-.00023	.00379	-.03535	-.24269	523.54970	11.98850	7.98097
.700	-2.075	.00366	-.00320	-.00020	.00440	-.03733	-.24093	522.84691	11.98850	7.99099
.701	-1.020	.00466	-.00296	-.00068	.00489	-.03852	-.23901	523.39644	11.98850	7.98097
.701	.046	.00666	-.00560	-.00044	.00493	-.03992	-.23660	523.39644	11.99850	8.04106
.701	1.115	.00718	-.00501	-.00087	.00531	-.04153	-.23457	523.56271	11.99850	8.02103
.700	2.170	.00965	-.00731	-.00095	.00520	-.04375	-.23386	522.83718	11.99850	8.02103
.700	3.246	.00916	-.00625	-.00117	.00552	-.04547	-.23096	522.60717	11.99850	8.02103
.700	4.318	.00886	-.00595	-.00118	.00564	-.04723	-.22979	522.54020	11.99850	8.02103
.701	5.393	.00822	-.00557	-.00107	.00591	-.04957	-.22733	523.94254	12.01850	8.01102
.701	6.466	.00756	-.00491	-.00107	.00623	-.05314	-.22638	523.39669	12.01850	8.00100
.700	7.543	.00797	-.00524	-.00112	.00660	-.05774	-.22698	522.77024	11.99850	7.99099
.701	8.631	.00754	-.00512	-.00100	.00735	-.06270	-.22744	523.71271	11.96850	7.97096
.701	9.723	.00689	-.00461	-.00094	.00894	-.06768	-.22984	523.71596	12.00850	7.97096
.701	10.768	.00650	-.00876	-.00077	.01201	-.06833	-.23168	523.95557	11.97850	7.97096
.701	11.828	.00563	-.00884	-.00113	.01279	-.06739	-.23746	523.48933	12.02850	7.99099
.701	12.902	.00599	-.00739	-.00043	.01172	-.06910	-.24546	523.71922	11.95851	8.03104
.701	13.975	.00637	-.00482	-.00070	.00885	-.07068	-.25548	523.80235	11.98850	7.97096
.701	15.045	.00595	-.00355	-.00103	.00893	-.07521	-.26633	523.72572	12.00850	7.98097
.700	17.225	.00723	-.00251	-.00197	.00824	-.09267	-.29563	522.94302	12.01850	7.98097
.701	19.368	.00629	-.00049	-.00275	.00593	-.08916	-.32841	523.40944	11.94851	7.96095
GRADIENT		.00109	-.00076	-.00014	.00022	-.00151	.00169	-.10539	.00161	.00575

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 368

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 106/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.599	-3.754	-.00458	-.02594	.01183	.03097	.10568	-.21010	-.22722	461.07052	.02000	-20.00000
.600	-2.263	-.00229	-.02800	.01160	.02984	.10138	-.20793	-.22489	461.31971	.02000	-20.01001
.600	-1.198	.00014	-.03085	.01162	.02928	.09955	-.20828	-.22472	461.32461	.03000	-20.03003
.600	-.161	.00124	-.03148	.01138	.02954	.09834	-.20679	-.22272	461.57377	.02000	-20.02002
.600	.905	.00206	-.03149	.01102	.02994	.09683	-.20551	-.22162	461.41094	.02000	-20.03003
.600	1.965	.00365	-.03334	.01103	.02970	.09534	-.20586	-.22315	461.73822	.01000	-20.07007
.600	3.008	.00302	-.03214	.01085	.02978	.09347	-.20542	-.22306	461.23992	.00000	-19.95996
.600	4.072	.00455	-.03426	.01098	.02968	.09181	-.20615	-.22310	461.48745	.02000	-19.96997
.599	5.141	.00255	-.03209	.01103	.02989	.09053	-.20541	-.22273	460.90763	.02000	-19.97998
.600	6.201	.00302	-.03277	.01108	.03023	.08960	-.20551	-.22315	461.40604	.04000	-19.97998
.600	7.261	.00185	-.03151	.01112	.03050	.08835	-.20569	-.22494	461.74150	.03000	-19.96997
.599	8.310	.00351	-.03427	.01142	.03046	.08749	-.20811	-.22851	460.22987	.02000	-19.96997
.600	9.387	.00247	-.03258	.01124	.03123	.08760	-.20893	-.23061	461.73822	.03000	-20.07007
.600	10.455	.00204	-.03227	.01131	.03127	.08820	-.21215	-.23419	461.06562	.01000	-19.97998
.600	11.517	.00299	-.03325	.01125	.03106	.08852	-.21483	-.23601	461.15195	.00000	-20.01001
.600	12.578	.00361	-.03334	.01101	.03100	.08785	-.21761	-.23808	461.40767	-.01000	-20.04004
.600	13.652	.00103	-.03374	.01232	.03040	.08218	-.22417	-.24257	461.57377	-.02001	-19.95996
.599	14.706	.00235	-.03427	.01191	.03071	.08121	-.22682	-.24675	461.07378	-.07002	-19.97998
.599	16.850	.00429	-.02990	.00937	.03062	.07308	-.23449	-.26220	461.07378	-.05001	-19.98999
.599	18.965	.00570	-.03040	.00888	.02873	.07166	-.25854	-.29616	461.06888	-.01000	-20.04004
GRADIENT		.00112	-.00095	-.00013	-.00009	-.00165	.00054	.00049	.04070	-.00170	.00336

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TABULATED SOURCE DATA - LA62

PAGE 369

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDRK = 25.000
 RUDDER = .000 DFLAF = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 110/ 0

RN/L = 3.50

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELV. -L	ELVN-R
.900	-3.937	-.00792	-.05344	.02280	.03145	.15218	-.25822	-.29141	625.30052	.00000	-20.06006
.900	-2.378	-.00516	-.05540	.02264	.03031	.13821	-.25336	-.28870	625.48789	.00000	-20.08008
.900	-1.279	-.00271	-.05686	.02241	.02970	.12928	-.25080	-.28628	625.29138	.00000	-20.08008
.900	-.189	-.00053	-.05792	.02210	.02991	.12263	-.24856	-.28279	625.54729	-.02001	-19.97998
.901	.905	.00179	-.05837	.02153	.02983	.11612	-.24592	-.27977	625.86250	.01000	-19.98999
.901	1.999	.00491	-.05826	.02048	.02951	.10907	-.24213	-.27674	625.93102	-.01000	-20.04004
.901	3.098	.00439	-.05532	.01953	.02846	.10024	-.23897	-.27383	625.99038	.01000	-20.08008
.900	4.191	.00587	-.05301	.01819	.02566	.09193	-.23663	-.27080	625.19078	.02000	-20.04004
.901	5.281	.00510	-.05015	.01734	.02240	.08660	-.23469	-.26896	625.67522	.00000	-20.08008
.901	6.375	.00443	-.04706	.01638	.01956	.08218	-.22976	-.26781	625.73460	.01000	-20.05005
.901	7.461	.00236	-.04478	.01619	.01676	.07490	-.22667	-.26549	625.60669	.01000	-20.07007
.901	8.547	.00131	-.04337	.01599	.01438	.07030	-.22898	-.26891	625.80313	-.01000	-19.98999
.900	9.633	-.00055	-.04127	.01581	.01333	.06724	-.23384	-.27266	625.24109	-.03001	-20.05005
.901	10.719	-.00266	-.03973	.01592	.01190	.06235	-.24027	-.27941	625.52900	-.07002	-20.04004
.900	11.805	-.00495	-.03757	.01586	.01088	.05459	-.24895	-.28580	625.51532	-.04001	-20.02002
.900	12.896	-.00493	-.03392	.01448	.00919	.04377	-.25740	-.28621	625.44676	-.05001	-20.00000
.900	13.967	-.00509	-.02970	.01294	.01007	.04058	-.26499	-.28812	625.64327	-.02001	-20.09009
.900	15.057	-.00537	-.02705	.01204	.01163	.04043	-.27735	-.30420	625.26848	-.05001	-20.02002
.901	17.246	-.00503	-.02548	.01135	.01343	.03541	-.29860	-.32696	625.79397	-.04001	-20.06006
.900	19.379	-.00442	-.01930	.00882	.01542	.03816	-.32217	-.35721	625.40106	-.01000	-19.97998
	GRADIENT	.00178	-.00004	-.00056	-.00053	-.00715	.00265	.00262	.04260	.00193	.00267

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TABULATED SOURCE DATA - LA62

PAGE 370

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3018) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 10.000

RUN NO. 111/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.199	-4.031	-.02011	-.04798	.02374	.02492	.17754	-.35649	-.38474	729.60735	-.01000	-19.97998
1.200	-2.342	-.01705	-.04741	.02267	.02390	.14751	-.35169	-.36493	730.21051	-.02001	-20.11011
1.201	-1.226	-.01347	-.04640	.02129	.02188	.12516	-.35113	-.35933	730.20850	-.01000	-19.97998
1.200	-.125	-.01048	-.04648	.02050	.02091	.10649	-.35067	-.35588	730.06516	.02000	-20.02002
1.200	.974	-.00840	-.04544	.01953	.02056	.08917	-.35149	-.35476	730.26667	.01000	-19.96997
1.201	2.078	-.00538	-.04593	.01888	.02051	.07341	-.35337	-.35685	730.17160	.03000	-20.01001
1.201	3.173	-.00520	-.04466	.01835	.02047	.06012	-.35542	-.35824	730.41555	.03000	-19.98999
1.201	4.283	-.00423	-.04380	.01776	.02029	.04809	-.35826	-.36086	730.21412	.02000	-20.07007
1.201	5.374	-.00550	-.04104	.01707	.02003	.03556	-.35978	-.36216	730.28573	.02000	-20.00000
1.201	6.474	-.00634	-.03830	.01627	.01931	.02409	-.36291	-.36592	730.25106	.01000	-20.01001
1.201	7.566	-.00723	-.03541	.01542	.01847	.01466	-.36907	-.37355	730.15032	-.01000	-20.03003
1.201	8.668	-.00801	-.03267	.01461	.01742	.00819	-.37598	-.38075	730.18721	-.06002	-19.98999
1.200	9.787	-.00948	-.02899	.01363	.01619	.00350	-.37905	-.38381	730.07293	-.04001	-20.04004
1.200	10.873	-.00855	-.02561	.01210	.01588	-.00175	-.38104	-.38740	729.88682	-.02001	-19.96997
1.200	11.982	-.00794	-.02036	.00995	.01552	-.00835	-.38148	-.38773	729.85177	-.02001	-19.98999
1.200	13.099	-.00696	-.01875	.00907	.01506	-.01562	-.38798	-.39420	730.03203	-.04001	-20.02002
1.201	14.206	-.00702	-.01594	.00804	.01515	-.02311	-.40238	-.40543	729.96231	.01000	-20.01001
1.200	15.308	-.00642	-.01476	.00743	.01524	-.02929	-.41270	-.41902	730.04386	.02000	-19.97998
1.200	17.511	-.00303	-.01147	.00522	.01630	-.03978	-.43374	-.44437	730.24537	.00000	-19.96997
1.201	19.700	-.00060	-.00887	.00354	.01579	-.04284	-.45262	-.47421	730.23538	-.01000	-19.97998
	GRADIENT	.00204	.00047	-.00074	-.00057	-.01572	-.00035	.00230	.05851	.00582	-.00106

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3019) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -5.000 AILRON = 10.000

RUN NO. 105/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.599	-3.747	-.00041	-.02673	.01030	.03518	.07483	-.21871	-.22493	460.90274	5.00937	-15.02503
.599	-2.222	.00188	-.02846	.00995	.03421	.07122	-.21615	-.22238	460.90111	5.00937	-15.03504
.600	-1.179	.00358	-.03042	.00995	.03400	.06973	-.21497	-.22137	461.57050	5.01937	-15.06507
.600	-.123	.00523	-.03137	.00960	.03435	.06833	-.21331	-.22039	461.82454	5.00937	-14.99499
.600	.947	.00657	-.03297	.00961	.03438	.06716	-.21279	-.22175	461.46581	5.00937	-15.05506
.599	1.996	.00863	-.03511	.00952	.03449	.06575	-.21091	-.22141	461.16012	4.99938	-15.05506
.600	3.050	.00866	-.03498	.00945	.03463	.06390	-.20951	-.22238	461.23992	4.99938	-15.04505
.600	4.132	.00875	-.03553	.00962	.03445	.06222	-.20765	-.22204	461.90757	4.98938	-15.06507
.599	5.179	.00759	-.03405	.00956	.03457	.06123	-.20720	-.22315	461.07378	4.97938	-15.05506
.599	6.237	.00792	-.03480	.00969	.03496	.05958	-.20749	-.22515	460.82292	5.03937	-15.06507
.600	7.311	.00787	-.03505	.00980	.03519	.05795	-.20789	-.22756	461.40113	4.99938	-14.97497
.600	8.358	.00753	-.03495	.00991	.03550	.05662	-.20722	-.22772	461.73986	4.97938	-15.03504
.599	9.416	.00752	-.03486	.00986	.03607	.05651	-.21035	-.23207	460.90274	4.99938	-15.05506
.600	10.484	.00784	-.03523	.00986	.03652	.05790	-.21377	-.23528	461.23992	5.01937	-15.06507
.600	11.558	.00776	-.03494	.00977	.03694	.05836	-.21595	-.23708	461.99224	5.03937	-14.97497
.599	12.617	.00631	-.03587	.01075	.03731	.05508	-.22119	-.24166	461.06888	5.03937	-14.99499
.599	13.679	.00588	-.03908	.01215	.03776	.05010	-.22596	-.24556	461.07378	5.02937	-15.06507
.601	14.773	.00589	-.03675	.01126	.03772	.04621	-.23118	-.25357	462.49034	5.00937	-15.04505
.599	16.990	.00899	-.03338	.00852	.03566	.03819	-.24666	-.27979	460.65838	5.01937	-15.03504
.599	19.015	.00997	-.03308	.00791	.03214	.03719	-.26942	-.31401	460.57203	4.95938	-15.04505
GRADIENT		.00125	-.00120	-.00009	-.00002	-.00151	.00134	.00022	.07910	-.00265	-.00393

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TABULATED SOURCE DATA - LA62

PAGE 372

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3019) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 ATLON = 10.000

RUN NO. 109/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLB	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.901	-3.906	-.00434	-.04911	.02000	.03275	.11820	-.26707	-.29194	625.78482	5.00937	-14.98498
.900	-2.336	-.00350	-.05049	.02025	.03129	.10530	-.26057	-.28687	625.37821	5.00937	-15.00501
.900	-1.251	-.00017	-.05279	.02005	.03046	.09816	-.25708	-.28351	625.61583	5.03937	-14.99499
.900	-.157	.00103	-.05231	.01948	.02997	.09175	-.25251	-.27883	625.42849	4.96938	-15.01502
.901	.944	.00430	-.05432	.01918	.02983	.08580	-.25025	-.27582	625.72545	4.97938	-15.02503
.900	2.029	.00665	-.05368	.01818	.02936	.07795	-.24708	-.27380	625.47875	4.97938	-15.03504
.900	3.135	.00637	-.05167	.01751	.02776	.06818	-.24408	-.27107	625.42849	5.00937	-15.06507
.900	4.224	.00721	-.04981	.01653	.02543	.06002	-.24181	-.26894	625.44676	4.98938	-15.03504
.900	5.322	.00634	-.04683	.01568	.02295	.05393	-.24047	-.26863	624.99419	4.99938	-15.02503
.900	6.414	.00554	-.04458	.01508	.02150	.04759	-.23741	-.26745	625.11309	4.99938	-15.04505
.900	7.498	.00326	-.04151	.01466	.01954	.04203	-.23575	-.26867	625.19078	4.96938	-15.03504
.900	8.572	.00164	-.03795	.01384	.01730	.03772	-.23888	-.27369	624.87526	4.95938	-15.06507
.900	9.671	-.00021	-.03545	.01349	.01790	.03480	-.24270	-.27496	625.41935	5.00937	-15.03504
.900	10.744	-.00297	-.03180	.01302	.01751	.02894	-.24898	-.27532	625.43763	4.98938	-15.05506
.900	11.831	-.00475	-.02665	.01166	.01613	.02292	-.25628	-.27584	625.12221	4.99938	-15.05506
.901	12.924	-.00505	-.02289	.01034	.01762	.01837	-.26150	-.28064	625.88081	4.97938	-15.06507
.900	14.001	-.00328	-.02092	.00901	.02071	.01442	-.26759	-.28885	625.42849	4.96938	-15.08509
.901	15.092	-.00429	-.01973	.00890	.02157	.01236	-.27666	-.30049	625.69352	4.96938	-15.04505
.900	17.252	-.00213	-.02012	.00834	.02210	.00697	-.29467	-.32407	625.33705	5.05937	-15.05506
.901	19.423	-.00190	-.01263	.00543	.02273	.00952	-.32151	-.35178	625.71629	5.04937	-15.03504
	GRADIENT	.00161	-.00018	-.00045	-.00076	-.00693	.00308	.00287	-.02472	-.00323	-.00821

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 373

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3019) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 10.000

RUN NO. 112/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.025	-.01679	-.03654	.01849	.02587	.14458	-.36140	-.37760	730.16012	4.97938	-15.02503
1.201	-2.284	-.01275	-.03562	.01701	.02424	.11424	-.35154	-.36424	730.30924	4.98938	-15.02503
1.200	-1.205	-.00985	-.03431	.01571	.02351	.09666	-.34974	-.35892	729.87911	4.95938	-14.98498
1.200	-.091	-.00619	-.03436	.01472	.02297	.07845	-.35057	-.35935	730.06516	4.97938	-15.01502
1.201	1.009	-.00262	-.03301	.01322	.02268	.06104	-.35067	-.35748	730.22196	4.98938	-14.99499
1.201	2.110	-.00137	-.03104	.01213	.02221	.04592	-.35104	-.35602	730.26448	4.95938	-14.97497
1.201	3.204	.00013	-.03017	.01139	.02231	.03263	-.35333	-.35820	730.11340	4.93438	-15.03504
1.201	4.313	.00075	-.02823	.01048	.02242	.01986	-.35859	-.36580	730.30142	4.99438	-14.97497
1.201	5.402	.00129	-.02634	.00962	.02267	.00747	-.36235	-.37243	730.35179	4.98938	-15.00501
1.201	6.502	-.00055	-.02438	.00938	.02224	-.00331	-.36724	-.38062	730.28796	4.91939	-15.01502
1.200	7.601	-.00182	-.02293	.00919	.02149	-.01175	-.37332	-.38679	730.17369	4.97938	-14.98498
1.200	8.692	-.00218	-.02145	.00873	.02094	-.01981	-.37687	-.38828	730.10199	5.07937	-15.03504
1.201	9.801	-.00286	-.01901	.00800	.02033	-.02776	-.37995	-.38877	730.27233	4.98938	-15.03504
1.201	10.912	-.00360	-.01701	.00745	.01877	-.03177	-.38021	-.38936	730.28015	5.01937	-15.01502
1.200	12.021	-.00320	-.01446	.00638	.01837	-.03706	-.38350	-.39296	730.16592	4.98938	-15.01502
1.200	13.116	-.00253	-.01324	.00573	.01826	-.04308	-.39254	-.40174	730.09424	4.95938	-15.04505
1.200	14.230	-.00097	-.01200	.00482	.01821	-.04883	-.40269	-.41368	730.08067	4.98938	-15.03504
1.200	15.327	.00057	-.01157	.00422	.01868	-.05469	-.41316	-.42688	730.11745	4.95938	-15.03504
1.200	17.531	.00423	-.00887	.00213	.01943	-.06561	-.43175	-.44754	730.00299	4.99938	-15.05506
1.199	19.728	.00624	-.00642	.00060	.01853	-.06994	-.44634	-.46690	729.77998	5.02937	-15.01502
	GRADIENT	.00224	.00099	-.00099	-.00040	-.01503	.00016	.00137	.01313	-.00103	.00368

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TABULATED SOURCE DATA - LA62

PAGE 374

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 10.000

RUN NO. 104/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.694	.00461	-.02422	.00716	.03423	.04056	-.22867	-.23313	462.40569	10.02875	-10.01001
.600	-2.193	.00680	-.02718	.00732	.03334	.03810	-.22796	-.23126	461.15359	10.03875	-10.03003
.600	-1.126	.00776	-.02873	.00749	.03315	.03631	-.22515	-.22929	461.99060	10.03875	-10.02002
.600	-.059	.00924	-.02937	.00708	.03329	.03506	-.22438	-.22819	461.49072	9.98875	-10.03003
.600	-.998	.01061	-.03068	.00698	.03317	.03399	-.22131	-.22718	461.15195	9.98875	-10.03003
.600	2.032	.01248	-.03238	.00681	.03363	.03287	-.21868	-.22624	461.65682	9.99875	-10.03003
.599	3.109	.01199	-.03217	.00693	.03378	.03143	-.21731	-.22710	460.98418	9.99875	-10.03003
.600	4.157	.01259	-.03253	.00680	.03427	.03043	-.21416	-.22650	461.48581	9.99875	-10.04004
.600	5.209	.01215	-.03248	.00697	.03447	.02838	-.21217	-.22636	462.06870	9.99875	-10.03003
.600	6.280	.01216	-.03288	.00710	.03511	.02647	-.21173	-.22611	461.57050	10.04874	-10.03003
.600	7.332	.01268	-.03387	.00724	.03550	.02475	-.21070	-.22680	461.23501	9.97875	-10.03003
.600	8.409	.01153	-.03280	.00733	.03618	.02295	-.21064	-.22721	462.07198	9.97875	-10.03003
.600	9.475	.01108	-.03218	.00728	.03720	.02156	-.21228	-.22921	461.48909	9.97875	-10.03003
.600	10.554	.01206	-.03341	.00729	.03806	.02038	-.21403	-.23248	461.40767	10.02875	-10.04004
.599	11.615	.01222	-.03304	.00705	.03896	.02007	-.21735	-.23580	460.90111	10.00875	-10.05005
.601	12.692	.01050	-.03879	.01000	.03981	.01276	-.22098	-.23918	462.49363	9.94876	-10.04004
.599	13.752	.01018	-.03958	.01040	.04057	.00931	-.22840	-.24563	460.65512	9.96875	-10.03003
.599	14.812	.01100	-.03741	.00918	.04073	.00546	-.23364	-.25340	460.73332	9.98875	-10.04004
.600	16.938	.01388	-.03197	.00577	.03631	-.00265	-.25289	-.28453	461.98732	9.99875	-10.09009
.599	19.072	.01353	-.03147	.00565	.03332	-.00584	-.27972	-.32631	460.47754	10.03875	-10.04004
GRADIENT		.00106	-.00105	-.00007	.00003	-.00126	.00191	.00085	-.09818	-.00573	-.00267

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TABULATED SOURCE DATA - LA62

PAGE 375

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = 10.000

RUN NO. 108/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.855	-.00056	-.03558	.01365	.02946	.08797	-.26306	-.29035	625.15426	10.00875	-9.96997
.900	-2.291	.00121	-.03785	.01394	.02857	.07517	-.25908	-.28551	625.33251	10.04874	-9.97998
.900	-1.207	.00369	-.03920	.01365	.02787	.06749	-.25620	-.28039	625.30965	10.03875	-9.98999
.900	-.105	.00494	-.03923	.01326	.02756	.06085	-.25229	-.27500	625.32792	10.02875	-10.01001
.900	.993	.00747	-.04013	.01279	.02791	.05373	-.24856	-.27027	625.55644	9.94876	-10.00009
.901	2.076	.00978	-.04074	.01227	.02813	.04490	-.24637	-.26721	625.67522	9.94876	-10.01001
.900	3.184	.01046	-.03996	.01175	.02753	.03425	-.24418	-.26478	625.50618	9.95876	-10.02002
.901	4.276	.00876	-.03789	.01152	.02667	.02451	-.24399	-.26446	625.66607	9.95876	-10.04004
.900	5.381	.00939	-.03801	.01135	.02519	.01688	-.23954	-.25828	625.47875	9.95876	-10.06006
.900	6.463	.00892	-.03741	.01127	.02535	.00953	-.24018	-.25731	625.11309	9.95876	-10.01001
.900	7.537	.00711	-.03357	.01040	.02427	.00266	-.24220	-.25781	625.41020	9.95876	-10.01001
.900	8.619	.00479	-.02974	.00970	.02459	.00044	-.24728	-.26212	625.29138	9.98875	-10.01001
.901	9.704	.00237	-.02592	.00904	.02524	-.00527	-.24929	-.26298	625.92186	9.95876	-10.01001
.901	10.789	.00136	-.02148	.00769	.02135	-.01112	-.25650	-.26815	625.82144	10.01875	-10.05005
.900	11.881	.00002	-.01648	.00624	.02513	-.01262	-.26615	-.28041	624.98507	9.95876	-10.05005
.900	12.939	.00055	-.01232	.00448	.02684	-.01713	-.27637	-.29208	625.48789	9.97875	-10.07007
.900	14.021	.00205	-.01106	.00351	.02810	-.02137	-.28581	-.30111	625.18166	9.97875	-10.03003
.901	15.137	.00277	-.01158	.00346	.02844	-.02452	-.29430	-.30929	625.85334	9.95876	-10.05005
.900	17.303	.00441	-.01358	.00365	.02809	-.03017	-.31818	-.33283	625.35080	9.99875	-9.97998
.900	19.440	.00565	-.00902	.00148	.02804	-.02704	-.34043	-.35886	625.59301	10.00875	-10.03003
GRADIENT		.00139	-.00035	-.00032	-.00025	-.00760	.00254	.00346	.06039	-.01177	-.00777

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3020) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = .000 AILRON = 10.000

RUN NO. 113/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.862	-.00749	-.02017	.00971	.02598	.10522	-.37923	-.38634	730.27445	9.83877	-9.84739
1.201	-2.267	-.00253	-.02021	.00835	.02485	.08006	-.37228	-.38478	730.30142	9.82877	-9.86740
1.201	-1.166	-.00091	-.01935	.00758	.02396	.06256	-.36717	-.38269	730.17160	9.80877	-9.89742
1.200	-.069	.00253	-.02025	.00697	.02331	.04603	-.36546	-.38014	729.89270	9.79878	-9.93745
1.201	1.030	.00568	-.01961	.00585	.02317	.02862	-.36367	-.37524	730.51071	10.03875	-9.95747
1.201	2.119	.00605	-.01750	.00495	.02296	.01324	-.36200	-.37047	730.29359	10.05874	-9.98749
1.201	3.226	.00715	-.01726	.00456	.02292	-.00006	-.36066	-.36807	730.04177	10.04874	-10.02752
1.201	4.321	.00753	-.01647	.00415	.02243	-.01210	-.36058	-.36735	730.02830	10.02875	-10.04754
1.200	5.442	.00693	-.01505	.00378	.02252	-.02406	-.36050	-.36684	730.13684	10.00875	-10.08757
1.200	6.532	.00587	-.01420	.00374	.02260	-.03464	-.36139	-.36783	729.91402	9.97875	-10.12760
1.201	7.623	.00558	-.01289	.00333	.02240	-.04406	-.36268	-.36922	730.15813	9.94876	-10.16763
1.200	8.727	.00602	-.01184	.00280	.02279	-.05275	-.36664	-.37241	730.36167	10.01875	-9.96748
1.200	9.817	.00549	-.01035	.00238	.02294	-.05916	-.36984	-.37516	730.16592	10.00875	-10.00751
1.200	10.948	.00423	-.00919	.00229	.02207	-.06336	-.37619	-.38042	730.16592	9.99875	-10.03753
1.200	12.037	.00597	-.00983	.00204	.02219	-.06837	-.38306	-.38587	729.91586	9.99875	-10.07756
1.200	13.148	.00640	-.01009	.00201	.02264	-.07528	-.39583	-.39654	730.18918	9.95876	-10.05754
1.200	14.250	.00831	-.01018	.00149	.02284	-.08164	-.40217	-.40629	730.13684	9.96875	-10.14761
1.200	15.346	.00982	-.00905	.00061	.02271	-.08751	-.41151	-.42545	730.04386	9.93876	-10.11759
1.200	17.565	.01297	-.00632	-.00136	.02170	-.09782	-.43292	-.46015	730.21228	10.02875	-10.01751
1.199	19.750	.01422	-.00324	-.00295	.02091	-.09977	-.44974	-.47810	730.03969	10.01875	-10.03753
	GRADIENT	.00187	.00048	-.00070	-.00040	-.01452	.00219	.00268	-.02125	.03517	-.02592

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 377

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 103/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.656	.00860	-.02093	.00416	.03139	.00164	-.24097	-.24776	461.98567	14.98813	-5.01502
.601	-2.147	.01063	-.02392	.00442	.03138	-.00115	-.23938	-.24600	462.40239	14.96813	-5.00501
.600	-1.078	.01225	-.02554	.00432	.03185	-.00251	-.23775	-.24507	461.65354	14.98813	-4.98498
.600	-.022	.01459	-.02812	.00428	.03197	-.00407	-.23523	-.24221	461.90429	14.99813	-5.00501
.600	1.025	.01600	-.02945	.00417	.03261	-.00551	-.23306	-.24055	462.15829	14.98813	-4.99499
.600	2.085	.01530	-.02848	.00410	.03310	-.00725	-.23127	-.23895	461.99060	14.97813	-4.99499
.600	3.142	.01656	-.02982	.00405	.03349	-.00868	-.22855	-.23759	461.98896	14.98813	-5.00501
.600	4.207	.01733	-.03062	.00400	.03377	-.00980	-.22643	-.23685	461.49072	14.96813	-4.99499
.600	5.262	.01700	-.03055	.00411	.03439	-.01156	-.22263	-.23526	461.90593	14.95813	-5.00501
.599	6.320	.01674	-.03100	.00437	.03493	-.01435	-.22315	-.23614	460.89784	14.96813	-5.00501
.600	7.398	.01725	-.03246	.00468	.03569	-.01772	-.22251	-.23550	461.15032	15.05812	-5.01502
.600	8.452	.01688	-.03203	.00468	.03664	-.02083	-.22238	-.23603	461.73986	15.01812	-5.02503
.600	9.525	.01837	-.03408	.00476	.03808	-.02456	-.22451	-.23816	461.57214	15.00812	-5.02503
.600	10.619	.01752	-.03263	.00457	.03944	-.02594	-.22630	-.24078	461.73658	14.97813	-5.03504
.600	11.670	.01829	-.03302	.00434	.04013	-.02726	-.22835	-.24334	461.40604	14.98813	-5.00501
.600	12.734	.01570	-.04090	.00846	.04218	-.03335	-.23639	-.25066	461.65682	14.99813	-5.05506
.599	13.787	.01674	-.04219	.00843	.04297	-.03665	-.24244	-.26165	460.57040	14.97813	-5.05506
.600	14.869	.01644	-.03728	.00669	.04123	-.04109	-.25017	-.27877	461.99060	14.99813	-5.00501
.600	16.985	.01754	-.03049	.00352	.03481	-.04748	-.27673	-.32582	461.15359	14.96813	-5.03504
.600	19.128	.01883	-.03196	.00340	.03211	-.05054	-.30305	-.36974	461.82454	14.99813	-5.03504
GRADIENT		.00111	-.00118	-.00004	.00034	-.00145	.00192	.00150	-.04515	-.00088	.00140

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TABULATED SOURCE DATA - LA62

PAGE 378

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 107/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.817	.00626	-.02200	.00631	.02675	.04180	-.27102	-.27411	625.05830	15.01812	-5.00501
.900	-2.238	.00872	-.02417	.00634	.02780	.02714	-.26902	-.27099	625.62498	15.01812	-5.01502
.901	-1.155	.01085	-.02556	.00618	.02770	.01913	-.26664	-.27000	625.89913	15.02812	-5.03504
.901	-.060	.01293	-.02726	.00616	.02811	.01162	-.26158	-.26683	626.28276	15.01812	-4.98498
.901	1.050	.01405	-.02742	.00586	.02870	.00349	-.26039	-.26402	626.43812	15.02812	-5.00501
.901	2.151	.01645	-.02883	.00562	.02900	-.00553	-.25806	-.26220	626.30110	15.03812	-5.02503
.901	3.239	.01675	-.02915	.00563	.02858	-.01529	-.25628	-.26130	626.04534	14.99813	-5.04505
.901	4.332	.01621	-.02954	.00595	.02946	-.02376	-.25283	-.26000	625.18239	14.96813	-5.02503
.900	5.416	.01601	-.02918	.00567	.02967	-.02924	-.25463	-.26091	625.78036	14.99813	-5.02503
.900	6.503	.01583	-.02822	.00555	.03017	-.03162	-.25603	-.26194	625.72096	14.94813	-5.01502
.900	7.591	.01385	-.02485	.00490	.03070	-.03761	-.25754	-.26631	625.73011	14.97813	-5.01502
.901	8.659	.01193	-.02091	.00403	.03046	-.04130	-.25231	-.27519	626.04534	14.97813	-4.98498
.901	9.743	.01081	-.01662	.00276	.03117	-.04619	-.26833	-.28504	626.36961	14.98813	-5.02503
.902	10.824	.01070	-.01333	.00154	.03155	-.05025	-.27740	-.29944	626.85331	14.99813	-5.03504
.901	11.902	.01075	-.00914	-.00008	.03193	-.05206	-.28836	-.31239	625.92658	14.98813	-5.05506
.901	12.975	.01014	-.00588	-.00112	.03111	-.05364	-.29774	-.32119	626.56596	15.00812	-5.08509
.901	14.075	.01232	-.00598	-.00183	.03119	-.05785	-.30872	-.33077	626.17323	15.00812	-5.03504
.901	15.161	.01213	-.00598	-.00178	.03106	-.06160	-.32022	-.34122	626.03618	14.95813	-5.04505
.900	17.329	.01213	-.00751	-.00125	.02866	-.06607	-.34055	-.35347	625.60215	15.01812	-5.06507
.901	19.484	.01049	-.00023	-.00350	.02638	-.06166	-.37172	-.38513	625.60669	15.07812	-5.03504
GRADIENT		.00135	-.00093	-.00008	.00029	-.00790	.00228	.00182	.12234	-.00416	-.00294

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 379

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3021) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 10.000

RUN NO. 114/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.842	.00427	-.00849	.00203	.02536	.06659	-.39718	-.39146	730.07475	15.02812	-5.05379
1.201	-2.235	.00674	-.00838	.00131	.02401	.04118	-.38939	-.38917	730.10776	15.07812	-5.09382
1.201	-1.146	.01053	-.00964	.00074	.02348	.02397	-.38324	-.38583	730.26448	15.03812	-5.13385
1.201	-.025	.01216	-.00889	.00001	.02343	.00723	-.37942	-.38320	730.27233	15.03812	-5.18389
1.201	1.062	.01493	-.00837	-.00095	.02293	-.00874	-.37413	-.37858	730.11340	15.06812	-5.01376
1.201	2.161	.01521	-.00771	-.00129	.02217	-.02092	-.36688	-.37190	730.15813	15.11811	-5.06380
1.201	3.250	.01596	-.00721	-.00169	.02210	-.03351	-.36458	-.36950	730.41555	15.00812	-5.08381
1.201	4.351	.01637	-.00696	-.00190	.02185	-.04620	-.36576	-.37004	730.09996	14.90814	-5.10383
1.201	5.452	.01512	-.00466	-.00243	.02205	-.05922	-.36825	-.37187	730.29359	15.00812	-5.08381
1.201	6.572	.01500	-.00402	-.00265	.02278	-.06991	-.37122	-.37493	730.33033	15.01812	-5.10383
1.200	7.650	.01495	-.00394	-.00268	.02309	-.07845	-.37449	-.37980	730.06516	14.99813	-5.11384
1.200	8.750	.01428	-.00379	-.00256	.02398	-.08561	-.37626	-.38359	730.21051	14.98813	-5.06380
1.200	9.856	.01388	-.00435	-.00225	.02495	-.09077	-.37965	-.38944	729.90218	14.94813	-5.03378
1.199	10.965	.01388	-.00491	-.00205	.02449	-.09580	-.38476	-.39721	729.62874	14.90814	-5.11384
1.201	12.070	.01425	-.00523	-.00204	.02418	-.10127	-.39627	-.41070	730.54537	14.94813	-4.95372
1.201	13.197	.01606	-.00637	-.00214	.02444	-.10718	-.40607	-.42216	730.61696	14.92813	-5.09382
1.201	14.277	.01729	-.00770	-.00201	.02497	-.11283	-.41680	-.43715	730.02830	15.09811	-4.86365
1.200	15.391	.01819	-.00756	-.00235	.02440	-.11832	-.42513	-.44748	729.89270	15.00812	-5.07381
1.199	17.584	.01915	-.00326	-.00432	.02230	-.12620	-.44961	-.47335	729.88986	14.91814	-4.94371
1.201	19.769	.02129	-.00308	-.00508	.02202	-.12725	-.46582	-.48702	730.31705	14.93813	-4.94371
GRADIENT		.00155	.00023	-.00052	-.00041	-.01375	.00418	.00306	.01345	-.00914	.00044

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TABULATED SOURCE DATA - LA62

PAGE 380

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3022) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 98/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.813	-.00106	.00019	.00039	.00094	.03385	-.22270	-.25818	461.74642	-.03001	-.03003
.600	-2.147	.00046	-.00192	.00052	.00082	.03151	-.22069	-.25247	461.66010	-.04001	-.04004
.600	-1.112	.00266	-.00451	.00055	.00081	.03083	-.22035	-.24992	461.66010	.01000	-.03003
.600	-.043	.00435	-.00537	.00013	.00122	.03004	-.21903	-.24707	461.91085	.01000	-.03003
.600	1.001	.00520	-.00605	.00002	.00117	.02937	-.21899	-.24535	461.65846	.02000	-.04004
.601	2.067	.00612	-.00665	-.00015	.00125	.02796	-.21721	-.24166	462.49857	.02000	-.02002
.600	3.116	.00647	-.00626	-.00046	.00138	.02715	-.21699	-.24029	461.91414	.04999	-.02002
.601	4.183	.00470	-.00433	-.00042	.00127	.02615	-.21462	-.23688	462.58487	-.05001	.00000
.600	5.248	.00443	-.00418	-.00036	.00105	.02527	-.21431	-.23559	461.82946	.00000	.00000
.600	6.310	.00441	-.00368	-.00054	.00084	.02381	-.21227	-.23253	462.16651	-.02001	.00000
.600	7.368	.00357	-.00269	-.00055	.00088	.02218	-.21219	-.23143	462.33748	-.05001	.00000
.600	8.431	.00250	-.00159	-.00050	.00070	.02063	-.21287	-.23177	462.33419	-.03001	-.02002
.600	9.498	.00328	-.00206	-.00067	.00101	.01973	-.21520	-.23463	461.41258	-.04001	-.03003
.600	10.556	.00142	.00065	-.00088	.00102	.02078	-.21648	-.23673	461.91249	.01000	-.03003
.600	11.622	.00190	.00007	-.00088	.00120	.02125	-.21925	-.24152	461.82618	-.02001	-.03003
.600	12.692	-.00056	-.00486	.00209	.00308	.01698	-.22470	-.24917	461.50054	.01000	-.06005
.600	13.744	-.00072	-.00320	.00154	.00354	.01284	-.23236	-.26034	461.83110	-.01000	-.03003
.600	14.827	-.00051	-.00233	.00111	.00371	.00951	-.24030	-.27448	462.24789	-.03001	-.03003
.600	16.964	.00272	.00027	-.00134	.00256	-.00191	-.26614	-.31327	461.99553	-.05001	-.12011
.600	19.094	.00283	.00026	-.00141	.00010	-.00806	-.29166	-.34667	461.74970	.00000	.02003
.600	GRADIENT	.00089	-.00067	-.00013	.00007	-.00092	.00091	.00256	.09884	.00390	.00343

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3023) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

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

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.769	-.00150	-.00079	.00076	.00013	.03198	-.22291	-.26025	658.86184	-.01000	.03004
.600	-2.236	-.00103	-.00094	.00067	-.00005	.03069	-.21981	-.25402	659.86665	-.02001	.00000
.600	-1.167	.00314	-.00416	.00061	.00012	.03004	-.21978	-.25178	658.95307	.00000	.00000
.600	-.080	.00447	-.00491	.00049	.00026	.02890	-.21842	-.24773	660.44947	.01000	.00000
.600	.995	.00702	-.00624	.00021	.00028	.02824	-.21853	-.24648	659.10449	-.02001	.00000
.600	2.092	.00672	-.00576	.00012	.00037	.02747	-.21704	-.24322	658.94000	.01000	.00000
.600	3.175	.00659	-.00531	-.00001	.00030	.02629	-.21618	-.24151	659.70385	.00000	.01001
.600	4.262	.00779	-.00642	.00004	.00020	.02544	-.21464	-.23888	660.37467	.00000	.01001
.600	5.336	.00633	-.00489	-.00010	.00036	.02449	-.21314	-.23706	659.53612	-.01000	.02003
.600	6.431	.00561	-.00452	-.00002	-.00004	.02371	-.21139	-.23387	660.12067	.03000	.00000
.599	7.516	.00382	-.00248	-.00024	-.00007	.02228	-.21160	-.23260	658.43831	-.03001	-.01001
.599	8.614	.00327	-.00181	-.00033	-.00015	.02061	-.21279	-.23414	658.43015	.03000	.00000
.599	9.728	.00220	-.00059	-.00046	.00001	.01982	-.21438	-.23596	658.36338	.00000	-.01001
.600	10.820	.00153	-.00002	-.00047	-.00026	.02115	-.21553	-.23775	660.19877	-.02001	-.03003
.599	11.901	.00202	-.00055	-.00042	.00021	.02158	-.21933	-.24221	658.18906	.00000	.01001
.600	13.028	-.00153	-.00250	.00143	.00024	.01934	-.22413	-.25227	659.78361	-.02001	.00000
.600	14.104	-.00113	-.00431	.00199	.00253	.01636	-.23159	-.26387	659.28041	-.03001	-.03003
.600	15.209	.00031	-.00148	.00046	.00256	.01291	-.24133	-.28048	658.76407	-.03001	-.03003
.599	17.395	.00215	.00142	-.00123	.00093	.00017	-.27296	-.32786	657.93816	.04000	.01001
.599	19.617	.00299	-.00296	.00015	.00191	-.00700	-.29703	-.36156	659.37001	.01000	.00000
.600	GRADIENT	.00124	-.00072	-.00011	.00003	-.00081	.00090	.00255	.09185	.00180	-.00112

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3023) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6900 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 115/ 0 RN/L = 5.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-4.088	-.00327	-.00016	.00076	-.00025	.04636	-.22986	-.26179	948.30369	.07999	-.02002
.800	-2.383	.00018	-.00294	.00108	.00009	.04198	-.22711	-.25385	948.36442	.08999	-.01001
.801	-1.246	.00231	-.00299	.00064	.00039	.03930	-.22499	-.24900	948.98010	.10999	-.02002
.800	-.110	.00544	-.00456	.00057	.00032	.03760	-.22299	-.24415	947.87001	.11999	-.03002
.800	1.016	.00635	-.00484	.00048	.00038	.03612	-.22053	-.23971	948.49846	.11999	-.03002
.800	2.155	.00899	-.00574	.00026	.00025	.03456	-.21817	-.23579	948.32664	.10999	-.03002
.800	3.292	.00896	-.00510	.00002	.00031	.03357	-.21618	-.23298	948.29739	.06999	-.05004
.799	4.420	.00819	-.00428	-.00013	.00006	.03143	-.21527	-.23146	945.56010	.06999	-.03002
.800	5.572	.00785	-.00424	-.00007	-.00012	.02863	-.21270	-.22854	947.53895	.06999	-.04003
.800	6.717	.00637	-.00348	-.00005	.00004	.02494	-.21101	-.22650	948.87131	.05999	-.06005
.800	7.839	.00555	-.00215	-.00038	-.00046	.02252	-.21277	-.22804	947.17854	.05999	-.07005
.800	8.957	.00353	-.00010	-.00072	-.00108	.02205	-.21487	-.23086	947.84486	.02000	-.10008
.800	10.089	.00311	.00117	-.00112	-.00225	.02272	-.21865	-.23398	946.84319	.01000	-.06005
.800	11.220	.00250	.00020	-.00062	-.00091	.02420	-.22327	-.23988	947.74220	-.02000	-.09007
.800	12.344	.00297	-.00093	-.00030	.00077	.02397	-.23052	-.24981	948.34553	-.03000	-.07005
.800	13.467	.00366	-.00065	-.00056	-.00010	.01761	-.24331	-.27238	948.21148	-.08000	-.06005
.800	14.589	.00405	-.00021	-.00081	.00112	.00858	-.25880	-.29383	947.95592	-.05000	.01001
.799	15.719	.00486	.00102	-.00146	.00147	.00504	-.26874	-.30692	946.76984	-.06000	-.11008
.799	18.020	.00506	.00111	-.00155	.00026	-.00020	-.29259	-.34333	946.44504	-.11000	-.04003
.800	20.314	.00595	.00040	-.00150	.00224	.00146	-.31948	-.37281	948.29110	-.07000	.06008
GRADIENT	.00148	-.00050	-.00013	.00003	-.00165	.00181	.00365	-.20376	-.00148	-.00297	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -10.000 AILRON = .000

RUN NO. 132/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.763	.00035	.00010	-.00019	.00184	.11880	-.15376	-.18610	461.81633	-10.01000	-10.00751
.600	-2.193	.00244	-.00301	.00007	.00184	.11394	-.15542	-.18539	461.47762	-10.02000	-10.00751
.600	-.119	.00569	-.00603	-.00020	.00191	.11077	-.15790	-.18443	462.14842	-10.03000	-10.00751
.600	2.036	.00545	-.00493	-.00051	.00195	.10816	-.16047	-.18448	461.65026	-10.00000	-10.01751
.600	4.152	.00668	-.00511	-.00099	.00214	.10578	-.16235	-.18413	462.07034	-10.00000	-10.02752
.600	6.232	.00533	-.00337	-.00107	.00189	.10389	-.16354	-.18802	462.06705	-10.00000	-10.02752
.600	8.386	.00322	-.00135	-.00091	.00191	.10249	-.16360	-.19405	461.48581	-9.98000	-10.00751
.600	10.572	.00320	-.00103	-.00103	.00224	.10223	-.16881	-.20010	461.23338	-10.00000	-10.01751
.600	12.616	.00175	-.00156	-.00019	.00218	.09461	-.18043	-.20741	461.57050	-9.96000	-10.03753
.600	14.791	.00279	-.00171	-.00061	.00281	.08928	-.19065	-.22334	461.56722	-9.98000	-10.03753
.600	16.858	.00375	-.00116	-.00127	.00257	.08375	-.20418	-.24531	461.40440	-9.97000	-10.04754
.600	19.037	.00326	.00104	-.00190	-.00071	.08117	-.23089	-.28004	461.46745	-10.02000	-10.03753
.600	GRADIENT	.00077	-.00059	-.00011	.00004	-.00157	-.00111	.00024	.03513	.00214	-.00255

RUN NO. 130/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.861	-.00078	.00048	.00009	.00049	.13554	-.16173	-.19512	577.24821	-10.04000	-10.03753
.801	-2.242	.00129	-.00177	.00022	.00067	.12390	-.16192	-.19134	578.13184	-10.03000	-10.04754
.801	-.055	.00489	-.00494	.00016	.00078	.11365	-.16261	-.18919	578.06487	-10.04000	-10.04754
.800	2.131	.00739	-.00538	-.00055	.00106	.10792	-.16236	-.18530	577.44930	-10.03000	-10.05754
.801	4.297	.00713	-.00516	-.00054	.00091	.10032	-.16101	-.18340	577.94353	-10.04000	-10.06755
.801	6.384	.00554	-.00344	-.00064	.00098	.08878	-.16114	-.18611	577.94353	-10.06000	-10.06755
.800	8.622	.00444	-.00231	-.00069	.00170	.07976	-.16469	-.19454	577.38228	-10.13000	-10.11759
.800	10.732	.00298	-.00063	-.00082	.00111	.08186	-.17202	-.20377	576.92550	-10.14000	-10.12760
.801	12.916	.00260	-.00014	-.00088	.00329	.07606	-.18624	-.21788	577.72364	-10.23000	-10.25769
.800	14.992	.00385	.00022	-.00148	.00183	.08081	-.20420	-.23946	576.89410	-10.28000	-10.26770
.799	17.177	.00339	-.00050	-.00105	.00029	.07870	-.22604	-.26556	577.77879	-10.24000	-10.24769
.800	19.194	.00528	-.00240	-.00104	.00133	.07841	-.26724	-.31020	577.32783	-10.23000	-10.26770
.800	GRADIENT	.00105	-.00071	-.00010	.00006	-.00414	.00005	.00142	.02912	-.00005	-.00337

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 128/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-2.288	.00102	-.00095	.00004	-.00060	.16457	-.19323	-.22895	634.86117	-9.99000	-9.91744
.921	-.052	.00553	-.00445	-.00007	-.00033	.13948	-.19075	-.22215	635.24914	-10.04000	-10.08757
.920	2.083	.00801	-.00554	-.00045	.00023	.10970	-.19173	-.21749	634.52112	-10.07000	-10.12760
.921	4.322	.00791	-.00463	-.00077	-.00076	.08000	-.19017	-.21654	634.74465	-10.15000	-10.13760
.920	6.596	.00586	-.00292	-.00077	-.00014	.06658	-.19008	-.21636	634.27824	-10.19000	-10.15762
.920	8.650	.00529	-.00198	-.00095	.00059	.05954	-.19263	-.21828	634.05442	-10.15000	-10.16763
.920	10.770	.00327	-.00091	-.00071	-.00007	.05648	-.21091	-.23229	633.89935	-10.18000	-10.20766
.920	12.970	.00359	-.00085	-.00085	.00036	.05447	-.23311	-.25671	634.53073	-10.20000	-10.21766
.920	15.105	.00468	-.00125	-.00107	.00028	.05085	-.25425	-.28135	634.34617	-10.24000	-10.21766
.920	17.308	.00490	-.00102	-.00125	-.00031	.04634	-.27827	-.31528	633.87928	-10.30000	-10.23768
.920	19.538	.00538	-.00066	-.00157	-.00038	.04505	-.32159	-.36953	633.80174	-10.16000	-10.14761
GRADIENT		.00105	-.00055	-.00013	.00000	-.01290	.00038	.00191	-.04818	-.02325	-.03193

RUN NO. 126/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.935	-.00076	-.00037	.00038	-.00039	.20776	-.21135	-.24063	646.74875	-10.24000	-10.26770
.951	-2.310	.00125	-.00226	.00046	-.00039	.18597	-.20804	-.23054	647.29809	-10.25000	-10.27771
.951	-.081	.00504	-.00535	.00046	-.00029	.15032	-.20762	-.22407	647.51298	-10.01000	-9.99750
.951	2.128	.00707	-.00538	-.00017	-.00027	.11204	-.20438	-.22025	647.35183	-10.00000	-10.02752
.950	4.324	.00596	-.00423	-.00026	-.00040	.07888	-.20195	-.21964	647.34448	-10.03000	-10.07756
.950	6.527	.00475	-.00295	-.00037	-.00086	.05704	-.19895	-.22393	646.74875	-10.10000	-10.10758
.950	8.717	.00246	-.00162	-.00016	-.00018	.04438	-.20019	-.22917	646.64110	-10.15000	-10.09757
.949	10.868	.00529	-.00086	-.00136	.00039	.03701	-.21911	-.25032	646.37186	-10.02000	-10.07756
.949	13.035	.01301	-.00253	-.00321	.00120	.03292	-.25723	-.27941	646.59883	-10.05000	-10.11759
.949	15.215	.01851	-.00389	-.00451	.00156	.02706	-.29385	-.31176	646.53343	-10.08000	-10.07756
.949	17.406	.02281	-.00477	-.00565	.00172	.02207	-.34008	-.35428	646.49113	-10.16000	-10.14761
.950	19.576	.00452	-.00100	-.00112	.00045	.02264	-.37393	-.38990	647.09466	-10.28000	-10.26770
GRADIENT		.00091	-.00050	-.00009	.00000	-.01585	.00107	.00245	.05596	.03193	.02990

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3024) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 124/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.847	-.00157	-.00126	.00091	-.00009	.13629	-.30620	-.34491	729.67151	-9.98000	-9.98749
1.200	-2.231	.00097	-.00359	.00109	-.00005	.10722	-.30180	-.34556	729.88495	-9.98000	-10.03753
1.201	-.036	.00559	-.00576	.00064	-.00013	.07147	-.30076	-.34934	730.02830	-10.05000	-10.09757
1.201	2.167	.00803	-.00568	-.00007	-.00001	.03888	-.30676	-.35660	730.06069	-9.93000	-9.94746
1.201	4.362	.00679	-.00414	-.00031	-.00006	.01238	-.31224	-.36194	730.11103	-9.97000	-10.04754
1.201	6.552	.00497	-.00276	-.00034	.00030	-.00691	-.32095	-.37116	730.03946	-10.02000	-10.11759
1.200	8.739	.00325	-.00090	-.00057	-.00026	-.01952	-.33785	-.38702	729.82680	-10.07000	-10.07756
1.200	10.951	.00255	.00003	-.00073	.00003	-.02327	-.35062	-.40458	729.66209	-10.12000	-10.10758
1.200	13.165	.00278	.00012	-.00083	-.00050	-.03302	-.36406	-.42137	730.00701	-10.12000	-10.07756
1.200	15.362	.00351	-.00079	-.00070	-.00025	-.04214	-.38950	-.40478	729.79966	-10.10000	-10.15762
1.200	17.547	.00450	.00002	-.00131	-.00044	-.04988	-.41427	-.43448	729.92177	-10.25000	-10.30773
1.199	19.751	.00458	-.00048	-.00116	-.00037	-.05192	-.43937	-.46152	729.34896	-9.98000	-9.94746
GRADIENT	.00113	-.00036	-.00018	.00000	-.01514	-.00087	-.00219	.04959	.00357	-.00103	

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = .000 AILRON = .000

RUN NO. 131/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.656	.00024	.00049	-.00029	-.00019	.03356	-.17307	-.21228	461.65026	.04999	.06008
.600	-2.077	.00180	-.00150	-.00022	-.00030	.03198	-.17236	-.20967	462.15007	.04999	.05007
.600	.089	.00418	-.00333	-.00056	-.00015	.03111	-.17270	-.20543	462.15007	.04999	.06008
.600	2.189	.00511	-.00282	-.00117	.00039	.02934	-.17341	-.20329	461.64862	.04000	.05007
.600	4.290	.00634	-.00380	-.00134	.00015	.02788	-.17371	-.20054	461.73166	.04000	.04006
.600	6.315	.00494	-.00216	-.00136	.00006	.02559	-.17426	-.20044	461.23501	.04999	.04006
.600	8.528	.00301	.00060	-.00156	-.00002	.02164	-.17590	-.20305	461.81962	.05999	.03004
.600	10.587	.00277	.00118	-.00168	.00000	.02066	-.17988	-.21160	461.65354	.02000	.01001
.600	12.740	.00282	-.00211	-.00047	.00113	.01573	-.19784	-.23085	461.48745	-.06000	-.16012
.600	14.922	.00244	-.00103	-.00071	.00185	.00735	-.21463	-.25448	461.98896	-.15000	-.21016
.600	17.029	.00318	.00056	-.00167	.00080	-.00454	-.23937	-.29225	461.23665	-.37000	-.32024
.599	19.254	.00315	.00089	-.00180	-.00045	-.01152	-.27502	-.33987	460.65023	.02000	.02003
GRADIENT		.00077	-.00048	-.00015	.00007	-.00069	-.00012	.00148	-.02032	-.00151	-.00197

RUN NO. 129/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-2.128	.00103	-.00168	.00027	.00005	.03998	-.17595	-.20636	576.10409	-.05000	-.02002
.799	.072	.00481	-.00396	-.00018	.00018	.03639	-.17407	-.20110	575.96991	-.05000	-.02002
.799	2.174	.00709	-.00548	-.00041	.00034	.03321	-.17263	-.19601	575.75607	-.05000	-.01001
.800	4.390	.00677	-.00428	-.00075	.00030	.02792	-.17035	-.19140	576.58187	-.06000	-.02002
.799	6.478	.00546	-.00345	-.00061	.00057	.02132	-.17287	-.19432	576.36181	-.08000	-.05004
.799	8.616	.00360	-.00090	-.00093	.00025	.02066	-.17822	-.20074	576.22763	-.20000	-.07005
.799	10.775	.00208	.00124	-.00121	-.00147	.02160	-.19286	-.21587	576.08716	-.40000	-.14011
.799	12.967	.00307	.00014	-.00116	.00145	.01637	-.22930	-.25419	576.08089	-.09000	-.16012
.800	15.092	.00322	.00058	-.00139	.00049	.00458	-.24890	-.28033	576.56304	-.14000	-.12009
.799	17.203	.00342	-.00030	-.00114	-.00107	-.00433	-.27117	-.31186	576.73053	-.27000	-.19014
.800	19.290	.00455	-.00132	-.00118	.00104	-.00445	-.29669	-.34414	577.25450	-.14000	-.14011
GRADIENT		.00090	-.00043	-.00015	.00004	-.00183	.00084	.00231	.05698	-.00139	.00045

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 127/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.756	-.00090	.00004	.00027	.00051	.06068	-.20319	-.23345	634.70561	.05999	-.07005
.921	-2.137	.00158	-.00213	.00031	.00011	.04694	-.19894	-.22883	635.18128	-.04000	.00000
.921	.061	.00507	-.00416	-.00004	.00048	.02347	-.19767	-.22585	634.91942	-.01000	-.06005
.921	2.281	.00755	-.00480	-.00058	.00069	.01273	-.19570	-.22315	634.89006	-.07000	-.05004
.920	4.393	.00778	-.00769	.00043	.00261	.01253	-.19615	-.21906	634.26964	-.05000	-.06005
.921	6.559	.00724	-.00580	-.00012	.00236	.01287	-.20016	-.21994	634.89006	-.04000	-.08006
.921	8.701	.00647	-.00124	-.00161	-.00028	.01482	-.21464	-.23252	634.89969	.02000	-.11008
.921	10.854	.00247	-.00014	-.00075	-.00019	.00419	-.25479	-.27014	634.84141	.00000	.00000
.920	12.980	.00312	-.00109	-.00061	.00021	-.00279	-.27817	-.29221	634.08402	.03000	-.14011
.921	15.215	.00429	-.00055	-.00120	.00011	-.01762	-.30971	-.32557	634.70561	.04000	-.05004
.920	17.421	.00450	-.00010	-.00146	-.00094	-.02823	-.32502	-.35564	634.11279	-.03000	.00000
.920	19.458	.00496	.00017	-.00173	-.00112	-.02730	-.35365	-.40217	634.13196	-.24000	-.19014
GRADIENT		.00112	-.00087	-.00003	.00024	-.00625	.00082	.00165	-.05985	-.01165	-.00181

RUN NO. 125/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.951	-3.773	-.00182	.00102	.00018	.00037	.07067	-.22403	-.25334	647.44037	.08999	-.05004
.950	-2.142	.00051	-.00080	.00014	-.00020	.04790	-.21665	-.24733	647.33288	.07999	-.06005
.951	.066	.00360	-.00281	-.00006	.00012	.01970	-.21465	-.24449	647.53621	.06999	-.08006
.951	2.222	.00721	-.00511	-.00031	.00031	.00411	-.21456	-.24331	647.42876	.06999	.01001
.950	4.406	.00666	-.00493	-.00022	.00008	-.00952	-.21310	-.23922	647.01772	.05999	.00000
.950	6.581	.00460	-.00559	.00067	.00094	-.00940	-.21464	-.23555	646.73718	.03000	-.04003
.950	8.731	.00056	.00374	-.00159	-.00218	-.01192	-.23142	-.24500	646.70649	-.05000	-.07005
.949	10.890	.00433	-.00044	-.00121	-.00028	-.01889	-.26997	-.27879	646.65266	-.08000	-.08006
.950	13.076	.01329	-.00241	-.00334	.00029	-.03164	-.31318	-.32483	646.82569	-.09000	-.10008
.949	15.268	.01791	-.00249	-.00485	.00051	-.04829	-.34729	-.35952	646.65266	-.04000	.01001
.951	17.472	.02250	-.00214	-.00653	.00073	-.05715	-.39142	-.40488	647.78142	-.05000	-.08006
.949	19.623	.00379	.00184	-.00195	-.00066	-.04475	-.41359	-.42856	646.58727	-.09000	-.10008
GRADIENT		.00113	-.00078	-.00006	-.00000	-.00979	.00112	.00154	-.03674	-.00335	.00842

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TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3025) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 123/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.739	-.00173	-.00062	.00072	-.00064	.05271	-.29202	-.35919	729.93721	.03000	.07010
1.200	-2.145	.00009	-.00177	.00064	-.00088	.03049	-.29252	-.34340	729.81325	.04999	.02003
1.200	-1.059	.00387	-.00343	.00023	-.00074	.01586	-.29706	-.32839	729.93533	.04000	-.05004
1.201	.044	.00470	-.00400	.00022	-.00082	.00169	-.30199	-.31968	730.10555	.04999	-.02002
1.201	1.126	.00635	-.00438	-.00010	-.00067	-.01179	-.30412	-.31923	730.06857	.02000	-.07005
1.201	2.221	.00733	-.00434	-.00038	-.00070	-.02458	-.30895	-.32522	730.15346	.00000	-.07005
1.200	3.316	.00811	-.00396	-.00075	.00034	-.03450	-.31344	-.33045	729.67752	-.02000	-.06005
1.200	4.428	.00707	-.00343	-.00066	.00074	-.04428	-.31395	-.33213	723.74154	-.06000	-.08006
1.200	6.605	.00420	-.00163	-.00055	-.00061	-.05826	-.31971	-.33691	729.71426	-.14000	-.09007
1.201	8.801	.00306	-.00103	-.00046	-.00058	-.07220	-.33374	-.34979	730.29359	-.07000	-.10008
1.201	11.022	.00165	-.00113	-.00089	-.00125	-.08070	-.35637	-.36675	729.86158	-.06000	-.02002
1.201	13.214	.00188	.00095	-.00089	-.00139	-.08647	-.37570	-.39082	729.86939	-.09000	-.03002
1.200	15.414	.00261	-.00068	-.00049	-.00070	-.09781	-.40538	-.41319	729.64847	-.04000	-.09007
1.199	17.623	.00383	-.00038	-.00097	-.00100	-.11149	-.43592	-.45678	729.68679	-.05000	-.04003
1.199	19.815	.00268	.00348	-.00211	-.00175	-.11193	-.45323	-.48475	729.62874	-.08000	-.09007
GRADIENT		.00120	-.00036	-.00020	.00016	-.01197	-.00308	.00290	-.01454	-.01154	-.01666

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3026) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BOFLAP = .000
ELEVON = -20.000 AILRON = .000

RUN NO. 140/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.202	-4.165	2.04212	-.04991	.00578	-.00320	.24780	-.35390	-.42612	730.49255	-20.00250	-20.03503
1.201	-2.414	2.04626	-.05139	.00618	-.00415	.21320	-.35589	-.42943	730.03156	-20.03250	-20.07506
1.201	-1.291	2.04748	-.05069	.00594	-.00483	.18952	-.35587	-.42756	730.33833	-19.98250	-20.05504
1.199	-.043	2.04800	-.04361	.00325	-.00470	.04492	-.35359	-.36334	729.59479	-.22003	-.17013
1.201	.901	2.04948	-.05189	.00592	-.00519	.15503	-.36479	-.42197	730.40768	-20.07251	-20.08506
1.201	1.999	2.04801	-.05151	.00590	-.00452	.13762	-.36934	-.42382	730.30697	-20.09251	-20.08506
1.201	3.112	2.04626	-.05020	.00539	-.00550	.11840	-.37705	-.42862	729.94884	-20.03250	-20.03503
1.201	4.213	2.04209	-.04836	.00516	-.00578	.10417	-.38526	-.43892	730.33833	-20.03250	-20.02502
1.201	5.317	2.03753	-.04736	.00514	-.00599	.08979	-.38856	-.44285	730.28015	-20.09251	-20.08506
1.200	6.410	2.03463	-.04060	.00228	-.00698	.07273	-.39318	-.45002	730.22407	-20.07251	-19.94496
1.200	7.524	2.02613	-.04417	.00465	-.00598	.06539	-.39382	-.44456	730.15238	-20.09251	-19.98499
1.200	8.630	2.01889	-.04220	.00438	-.00592	.05635	-.39613	-.43549	730.08840	-20.01250	-20.00500
1.200	9.740	2.01252	-.04014	.00362	-.00613	.04891	-.39993	-.43317	730.14650	-20.02250	-20.07506
1.201	10.850	2.00639	-.03841	.00270	-.00595	.04364	-.40116	-.43117	730.28015	-20.04251	-20.08506
1.201	11.949	1.99986	-.03784	.00214	-.00579	.03547	-.39973	-.43147	730.18721	-20.07251	-20.08506
1.200	13.069	1.99355	-.03540	.00056	-.00551	.02622	-.39524	-.43278	730.17369	-20.07251	-20.09507
1.200	14.172	1.98665	-.03624	.00019	-.00483	.02086	-.40071	-.44971	729.97395	-20.11251	-20.11509
1.199	15.283	1.97774	-.03625	-.00014	-.00421	.01608	-.40814	-.45228	729.98928	-20.10251	-20.08506
1.201	17.490	1.96001	-.03308	-.00264	-.00399	.00621	-.42420	-.44756	730.36742	-20.09251	-19.97498
1.200	19.688	1.93828	-.03151	-.00424	-.00339	.00360	-.43927	-.46183	729.90218	-20.06251	-20.08506
	GRADIENT	.00008	.00008	-.00007	-.00026	-.01633	-.00378	-.00107	-.01279	-.12261	-.11579

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3027) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 162/ 0 RM/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-4.090	2.03409	-.04655	.00495	-.00015	.21992	-.24185	-.27233	625.11309	-14.99375	-15.00501
.900	-2.472	2.03893	-.04784	.00494	-.00176	.20281	-.23877	-.26551	624.94385	-15.00375	-15.02503
.900	-1.374	2.03999	-.04783	.00503	-.00262	.19409	-.23621	-.26057	625.37821	-15.00375	-15.01502
.900	-.286	2.04220	-.04811	.00460	-.00293	.18620	-.23410	-.25634	625.31878	-15.01375	-15.03504
.900	.806	2.04282	-.04779	.00421	-.00313	.17819	-.23225	-.25264	624.87526	-15.01375	-15.04505
.900	1.906	2.04265	-.04818	.00413	-.00375	.17019	-.22921	-.24958	625.63413	-15.01375	-15.03504
.900	2.998	2.03958	-.04606	.00377	-.00397	.15779	-.22590	-.24718	625.39648	-15.02376	-15.00501
.899	4.110	2.03706	-.04611	.00380	-.00429	.14431	-.22403	-.24723	624.62821	-15.04376	-15.02503
.900	5.213	2.03317	-.04441	.00340	-.00472	.13326	-.22180	-.24511	625.24109	-15.04376	-15.02503
.900	6.307	2.03006	-.04441	.00314	-.00557	.12415	-.22098	-.24416	625.43763	-15.00375	-15.03504
.900	7.396	2.02698	-.04380	.00241	-.00596	.11074	-.21992	-.24084	625.59301	-15.02376	-15.05506
.900	8.501	2.02132	-.04281	.00210	-.00624	.10457	-.22327	-.24481	625.36907	-14.99375	-15.00501
.900	9.578	2.01366	-.04147	.00212	-.00491	.10297	-.22554	-.24983	625.33705	-14.99375	-15.00501
.900	10.681	2.00765	-.04062	.00151	-.00528	.09617	-.22881	-.25245	625.34618	-14.98375	-15.01502
.899	11.767	2.00127	-.04113	.00131	-.00469	.08593	-.23241	-.25594	624.77452	-15.01375	-15.02503
.900	12.867	1.99361	-.04019	.00073	-.00457	.08016	-.23400	-.25625	625.25022	-15.03376	-15.05506
.900	13.941	1.98714	-.03996	-.00016	-.00410	.08238	-.23953	-.26576	625.25935	-15.03376	-15.04505
.899	15.013	1.97890	-.03904	-.00096	-.00337	.08146	-.24702	-.27662	624.75630	-15.03376	-15.06507
.901	17.174	1.96079	-.04149	-.00113	-.00424	.08060	-.26689	-.30161	625.68437	-14.97374	-15.02503
.899	19.357	1.94008	-.03907	-.00337	-.00433	.08569	-.29113	-.32758	624.33971	-14.98375	-15.04505
GRADIENT		.00038	.00011	-.00018	-.00046	-.00873	.00221	.00320	-.00774	-.00501	-.00128

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3027) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 139/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.199	-4.098	2.04045	-.05263	.00741	-.00397	.21992	-.36126	-.40326	729.84566	-14.94187	-14.98124
1.201	-2.371	2.04229	-.05326	.00801	-.00472	.18652	-.35937	-.40220	730.48714	-15.03188	-15.07130
1.201	-1.255	2.04403	-.05319	.00785	-.00500	.16421	-.35774	-.40658	730.52169	-15.03188	-15.08131
1.202	-.159	2.04505	-.05154	.00711	-.00529	.14289	-.35718	-.41502	730.53495	-15.02188	-15.02127
1.201	.960	2.04630	-.05106	.00646	-.00543	.12512	-.35928	-.41780	729.93322	-15.02188	-15.02127
1.201	2.055	2.04599	-.05001	.00587	-.00559	.10850	-.36251	-.41327	730.26448	-15.02188	-15.05129
1.201	3.153	2.04439	-.04846	.00523	-.00519	.09475	-.36801	-.40814	730.33609	-15.01188	-14.98124
1.201	4.252	2.04134	-.04669	.00471	-.00512	.08126	-.37282	-.40606	730.36520	-15.02188	-14.99124
1.200	5.343	2.03711	-.04440	.00410	-.00482	.06912	-.37761	-.40860	729.93533	-15.01188	-15.02127
1.200	6.464	2.03209	-.04103	.00307	-.00470	.05737	-.38161	-.41131	729.58441	-15.06188	-15.05129
1.202	7.558	2.02746	-.03995	.00265	-.00431	.04742	-.38239	-.41031	731.15199	-15.01188	-15.05129
1.200	8.664	2.02032	-.03673	.00185	-.00469	.03862	-.38835	-.41598	729.64847	-15.03188	-15.04128
1.198	9.783	2.01403	-.03603	.00155	-.00463	.03104	-.38879	-.41642	729.34256	-15.03188	-15.05129
1.200	10.888	2.00748	-.03435	.00079	-.00506	.02249	-.38841	-.42221	730.74341	-15.01188	-15.03127
1.201	11.998	2.00082	-.03538	.00085	-.00463	.01556	-.39058	-.43142	730.97729	-15.04188	-15.05129
1.201	13.095	1.99385	-.03577	.00056	-.00473	.00957	-.39530	-.44118	730.62484	-15.05188	-15.09132
1.201	14.220	1.98549	-.03616	.00038	-.00403	.00438	-.40596	-.43810	730.23759	-15.03188	-15.03127
1.200	15.313	1.97700	-.03681	.00020	-.00346	-.00004	-.41858	-.43447	730.00895	-15.01188	-15.05129
1.200	16.418	1.96889	-.03688	-.00054	-.00308	-.00456	-.42489	-.43625	729.98162	-15.02188	-15.09132
1.199	17.508	1.95909	-.03376	-.00219	-.00339	-.00862	-.43188	-.44782	729.85327	-15.05188	-15.10133
1.200	19.698	1.93740	-.03056	-.00436	-.00358	-.01204	-.43982	-.46673	730.82477	-15.04188	-15.10133
GRADIENT		.00027	.00078	-.00039	-.00013	-.01669	-.00139	-.00077	.01958	-.00501	.00411

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 392

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 172/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.900	2.02134	-.04181	.00446	.00173	.12265	-.20285	-.23440	461.81633	-9.97000	-9.97873
.601	-2.270	2.02515	-.04257	.00446	.00110	.11638	-.20280	-.23260	462.65139	-9.99000	-9.99875
.601	-1.193	2.02821	-.04463	.00442	.00063	.11389	-.20282	-.23242	462.08663	-10.00000	-9.99875
.600	-.154	2.02969	-.04546	.00425	.00029	.11166	-.20372	-.23218	462.14842	-9.99000	-9.99875
.601	.918	2.02846	-.04297	.00374	-.00004	.11086	-.20373	-.23150	462.48539	-9.99000	-10.00876
.600	1.962	2.02892	-.04472	.00377	-.00010	.10965	-.20479	-.23161	461.31644	-10.00000	-9.99875
.600	3.054	2.02745	-.04443	.00358	-.00049	.10749	-.20448	-.23024	461.99060	-10.01000	-9.99875
.600	4.112	2.02467	-.04376	.00351	-.00080	.10644	-.20493	-.22986	461.73330	-10.00000	-10.00876
.600	5.139	2.02212	-.04400	.00345	-.00114	.10494	-.20402	-.22842	462.23802	-10.01000	-10.02878
.600	6.203	2.01772	-.04290	.00332	-.00166	.10482	-.20209	-.22753	461.98567	-10.01000	-10.04879
.601	7.275	2.01176	-.04090	.00324	-.00197	.10501	-.19990	-.22634	462.31609	-10.01000	-10.02878
.600	8.337	2.00581	-.03991	.00323	-.00216	.10450	-.19924	-.22622	461.90100	-10.01000	-10.03878
.600	9.391	2.00012	-.04010	.00329	-.00240	.10420	-.20062	-.22689	462.23637	-10.02000	-10.03878
.600	10.457	1.99152	-.03744	.00320	-.00287	.10474	-.20319	-.22914	461.81633	-10.02000	-10.03878
.600	11.537	1.98502	-.03851	.00327	-.00331	.10544	-.20461	-.23087	462.06870	-10.04000	-10.03878
.600	12.612	1.97650	-.03638	.00271	-.00356	.10534	-.20762	-.23372	461.81797	-10.04000	-10.03878
.600	13.658	1.96602	-.04157	.00562	-.00267	.09882	-.21409	-.24168	461.81469	-10.07000	-10.03878
.600	14.753	1.95736	-.04124	.00513	-.00169	.09572	-.21809	-.24801	462.32103	-10.10000	-10.05880
.600	16.866	1.93879	-.03801	.00309	-.00233	.09028	-.23074	-.26746	461.23501	-10.16000	-10.06881
.600	19.016	1.91449	-.03392	.00197	-.00819	.08323	-.25068	-.30084	461.82290	-10.08000	-10.07882
GRADIENT		.00042	-.00023	-.00014	-.00030	-.00187	-.00031	.00051	-.08356	-.00343	-.00247

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TABULATED SOURCE DATA - LA62

PAGE 393

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -10.000 AILRON = .000

RUN NO. 165/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-4.037	2.02795	-.04537	.00446	.00136	.12890	-.20431	-.23423	523.09311	-9.98250	-10.00000
.701	-2.341	2.03192	-.04567	.00435	.00077	.12099	-.20533	-.23296	523.85290	-9.97249	-10.00000
.701	-1.285	2.03502	-.04755	.00432	.00061	.11679	-.20480	-.23109	523.69643	-10.02251	-10.01001
.701	-.204	2.03571	-.04650	.00384	.00006	.11393	-.20526	-.23053	523.31006	-10.03251	-10.00000
.701	.862	2.03548	-.04620	.00373	-.00049	.11194	-.20500	-.22937	523.23017	-10.03251	-10.00000
.701	1.926	2.03471	-.04577	.00351	-.00087	.11054	-.20451	-.22754	523.31006	-10.01250	-10.00000
.701	2.997	2.03482	-.04727	.00342	-.00097	.10856	-.20326	-.22627	523.77629	-10.02251	-10.01001
.701	4.061	2.03036	-.04433	.00312	-.00144	.10735	-.20228	-.22515	523.61656	-10.03251	-10.02002
.701	5.151	2.02750	-.04431	.00302	-.00186	.10615	-.20159	-.22298	523.46006	-10.03251	-10.00000
.700	6.202	2.02302	-.04381	.00312	-.00243	.10556	-.19848	-.22125	522.99698	-10.03251	-10.00000
.701	7.270	2.01786	-.04242	.00289	-.00252	.10518	-.19537	-.21902	523.62307	-10.03251	-10.00000
.701	8.357	2.01229	-.04234	.00299	-.00273	.10429	-.19468	-.21921	523.86268	-10.04251	-10.02002
.701	9.436	2.00493	-.04113	.00309	-.00279	.10317	-.19724	-.22029	523.47308	-10.03251	-10.01001
.701	10.526	1.99759	-.03940	.00270	-.00289	.10190	-.19896	-.22198	524.01588	-10.04251	-10.02002
.700	11.571	1.99159	-.03951	.00229	-.00302	.09624	-.20424	-.22653	523.24641	-10.07252	-10.04004
.701	12.653	1.98361	-.03994	.00245	-.00256	.09294	-.20932	-.23319	524.01588	-10.06252	-10.04004
.701	13.712	1.97574	-.04087	.00251	-.00127	.08942	-.21436	-.24077	523.46982	-10.04251	-10.05005
.701	14.794	1.96639	-.04065	.00239	-.00098	.08990	-.21873	-.24734	523.78281	-10.03251	-10.06006
.701	16.965	1.94787	-.03975	.00102	-.00138	.08637	-.23588	-.27685	523.38994	-10.00250	-10.02002
.701	19.108	1.92555	-.03781	-.00022	-.00660	.08526	-.26200	-.31105	523.69643	-9.99250	-10.02002
	GRADIENT	.00037	.00004	-.00017	-.00035	-.00252	.00026	.00115	.02522	-.00612	-.00167

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TABULATED SOURCE DATA - LA62

PAGE 394

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 143/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-4.166	2.02819	-.04448	.00511	-.00005	.14362	-.21238	-.24099	577.15602	-9.99125	-10.00751
.800	-2.340	2.03445	-.04711	.00520	.00006	.13018	-.21136	-.23605	576.95488	-10.01125	-10.02752
.800	-1.235	2.03518	-.04646	.00514	-.00051	.12381	-.21019	-.23256	577.58333	-10.01125	-10.00751
.800	-.166	2.03735	-.04683	.00468	-.00062	.11925	-.21088	-.23149	577.16860	-10.02125	-10.01751
.800	.904	2.03778	-.04695	.00449	-.00131	.11566	-.20954	-.22881	577.08998	-10.02125	-10.03753
.800	1.992	2.03761	-.04693	.00420	-.00128	.11296	-.20768	-.22667	577.37598	-10.00125	-10.00751
.800	3.053	2.03644	-.04685	.00401	-.00163	.11045	-.20503	-.22403	577.57073	-10.01125	-10.01751
.800	4.143	2.03204	-.04479	.00390	-.00222	.10733	-.20307	-.22360	576.87526	-9.98125	-9.98749
.801	5.226	2.02975	-.04541	.00385	-.00268	.10439	-.19968	-.22182	577.69842	-9.98125	-9.99750
.801	6.316	2.02457	-.04380	.00369	-.00323	.09994	-.19827	-.22149	577.85132	-9.97125	-10.01751
.800	7.398	2.01925	-.04290	.00360	-.00324	.09488	-.19917	-.22161	577.14343	-9.98125	-10.03753
.800	8.486	2.01385	-.04207	.00331	-.00338	.09012	-.19979	-.22194	577.35710	-9.98125	-10.01751
.800	9.575	2.00717	-.04120	.00320	-.00253	.08874	-.20300	-.22405	577.51632	-9.98125	-9.99750
.800	10.625	2.00009	-.04001	.00295	-.00255	.09015	-.20600	-.22649	577.49742	-9.98125	-9.99750
.800	11.710	1.99358	-.03989	.00256	-.00290	.09039	-.21149	-.23102	577.36339	-9.99125	-10.00751
.800	12.785	1.98638	-.04092	.00261	-.00218	.08868	-.21561	-.23608	576.87526	-10.00125	-10.02752
.800	13.863	1.97806	-.03865	.00159	-.00217	.08568	-.22000	-.24313	577.58333	-10.01125	-9.98749
.800	14.938	1.97133	-.03766	.00020	-.00016	.08176	-.22826	-.25394	577.31525	-10.00125	-10.00751
.801	17.111	1.95151	-.03856	.00001	-.00255	.08061	-.24759	-.28480	578.01683	-10.00125	-9.99750
.800	19.284	1.93107	-.03908	-.00119	-.00166	.08048	-.27871	-.32652	577.50372	-9.99125	-9.99750
	GRADIENT	.00053	-.00005	-.00018	-.00027	-.00413	.00108	.00212	.00505	.00077	.00159

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 161/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-4.066	2.03330	-.04825	.00588	-.00017	.17924	-.23819	-.26666	625.47875	-10.00250	-9.98999
.900	-2.413	2.03802	-.04989	.00604	-.00148	.16452	-.23434	-.25848	624.99419	-9.99250	-10.02002
.900	-1.320	2.04074	-.05068	.00587	-.00255	.15558	-.23142	-.25405	625.41020	-9.99250	-10.03003
.900	-.230	2.04169	-.05062	.00571	-.00305	.14693	-.22954	-.25068	625.07189	-10.00250	-10.04004
.901	.874	2.04285	-.05096	.00541	-.00333	.13976	-.22705	-.24769	625.67522	-10.01250	-10.05005
.900	1.972	2.04187	-.04998	.00502	-.00367	.12937	-.22507	-.24462	624.88437	-10.01250	-10.02002
.900	3.062	2.03996	-.04969	.00498	-.00367	.11918	-.22334	-.24338	625.16340	-10.03251	-10.04004
.900	4.179	2.03798	-.04985	.00487	-.00404	.10796	-.22013	-.24107	625.00331	-10.05251	-10.04004
.900	5.256	2.03409	-.04777	.00433	-.00467	.09765	-.21930	-.24160	625.57473	-10.01250	-10.00000
.899	6.356	2.02938	-.04636	.00402	-.00487	.08969	-.21918	-.24314	624.82490	-10.00250	-10.00000
.899	7.448	2.02624	-.04584	.00333	-.00513	.07976	-.21943	-.24489	624.83401	-10.01250	-10.04004
.900	8.525	2.01960	-.04429	.00317	-.00450	.08092	-.22061	-.24905	625.06277	-10.00250	-10.02002
.899	9.625	2.01394	-.04406	.00290	-.00479	.07965	-.22289	-.24935	624.64641	-9.98250	-10.01001
.900	10.694	2.00732	-.04255	.00232	-.00513	.07315	-.22625	-.24803	625.45590	-10.00250	-10.02002
.899	11.763	1.99977	-.04274	.00242	-.00463	.06740	-.23009	-.24949	624.59600	-10.00250	-10.02002
.900	12.864	1.99317	-.04057	.00103	-.00399	.06438	-.23365	-.25301	625.50618	-10.01250	-10.04004
.899	13.933	1.98470	-.04175	.00135	-.00409	.06443	-.24107	-.26305	624.84311	-10.01250	-10.03003
.900	15.015	1.97973	-.03979	-.00096	-.00261	.06135	-.24838	-.27295	625.13134	-10.01250	-10.00000
.900	17.201	1.95948	-.03999	-.00136	-.00425	.06110	-.27039	-.29849	625.13134	-10.05251	-10.02002
.900	19.374	1.93999	-.03744	-.00400	-.00412	.06515	-.30161	-.33256	625.34618	-9.98250	-10.04004
	GRADIENT	.00053	-.00010	-.00016	-.00044	-.00845	.00212	.00301	-.03714	-.00628	-.00467

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TABULATED SOURCE DATA - LA62

PAGE 396

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 154/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-4.185	2.03404	-.04970	.00626	-.00080	.19768	-.24534	-.27402	633.75471	-10.00250	-10.01001
.921	-2.411	2.03941	-.05141	.00637	-.00219	.18108	-.24096	-.26505	634.49228	-9.99250	-10.02002
.920	-1.310	2.04169	-.05277	.00656	-.00310	.17199	-.23739	-.26027	634.43396	-10.00250	-10.02002
.921	-.220	2.04300	-.05192	.00599	-.00360	.16291	-.23467	-.25644	634.71577	-10.00250	-10.01001
.921	.874	2.04336	-.05163	.00570	-.00431	.15260	-.23342	-.25433	634.76389	-9.99250	-10.02002
.921	1.962	2.04354	-.05221	.00555	-.00438	.14031	-.22983	-.24979	634.40514	-9.99250	-9.96997
.921	3.069	2.04076	-.05100	.00542	-.00421	.12775	-.22532	-.24615	634.55057	-10.00250	-10.00000
.920	4.177	2.03864	-.05056	.00513	-.00492	.11581	-.22231	-.24416	634.30776	-10.01250	-10.00000
.920	5.276	2.03482	-.04893	.00470	-.00526	.10348	-.22229	-.24414	634.04565	-10.01250	-10.04004
.921	6.372	2.03083	-.04911	.00479	-.00471	.09567	-.21965	-.24112	634.80291	-10.01250	-10.01001
.920	7.467	2.02560	-.04780	.00445	-.00474	.08630	-.22131	-.24367	633.99690	-10.00250	-10.02002
.920	8.555	2.02125	-.04705	.00383	-.00417	.08657	-.22224	-.24297	634.19111	-9.98250	-9.96997
.920	9.631	2.01497	-.04453	.00295	-.00471	.07799	-.22630	-.24393	634.26864	-9.97249	-10.03003
.920	10.723	2.00838	-.04376	.00256	-.00539	.06770	-.23171	-.24660	634.37567	-9.97249	-10.02002
.920	11.820	2.00023	-.04230	.00217	-.00469	.06114	-.23662	-.25298	633.87060	-9.99250	-9.98999
.920	12.888	1.99440	-.03894	.00015	-.00376	.05705	-.24185	-.25842	634.13277	-10.01250	-10.01001
.920	13.974	1.98671	-.04022	.00020	-.00362	.05384	-.25260	-.27369	634.21990	-10.00250	-10.00000
.920	15.058	1.97951	-.04128	-.00022	-.00304	.05047	-.26265	-.28641	634.20071	-9.99250	-10.01001
.920	17.248	1.96205	-.03954	-.00231	-.00335	.04408	-.28340	-.31434	634.35646	-9.97249	-10.02002
.920	19.421	1.94212	-.03781	-.00451	-.00436	.04625	-.30985	-.34141	634.27824	-9.99250	-10.02002
	GRADIENT	.00052	-.00004	-.00016	-.00046	-.00974	.00272	.00351	.04839	-.00076	.00307

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 397

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -10.000 AILRON = .000

RUN NO. 153/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-4.173	2.03530	-.05141	.00678	-.00057	.21978	-.27157	-.29020	647.04831	-10.02251	-10.03003
.951	-2.424	2.03970	-.05261	.00698	-.00204	.19635	-.26410	-.28046	647.20955	-10.02251	-10.03003
.951	-1.329	2.04187	-.05305	.00687	-.00247	.18490	-.26106	-.27623	647.20955	-10.00250	-10.01001
.950	-.207	2.04211	-.05239	.00671	-.00328	.17391	-.25809	-.27303	647.02512	-10.00250	-10.04004
.950	.882	2.04384	-.05329	.00643	-.00384	.16144	-.25473	-.26981	646.91760	-9.99250	-10.01001
.950	1.987	2.04307	-.05363	.00650	-.00427	.14753	-.25279	-.26751	646.90602	-10.00250	-10.02002
.950	3.089	2.04068	-.05255	.00629	-.00480	.13313	-.24962	-.26569	646.91760	-10.01250	-9.97998
.950	4.209	2.03724	-.05115	.00604	-.00504	.11895	-.24403	-.26206	646.91760	-10.00250	-10.01001
.950	5.298	2.03349	-.05017	.00584	-.00565	.10558	-.24333	-.26063	646.85225	-9.99250	-10.03003
.950	6.401	2.02767	-.04844	.00575	-.00507	.09374	-.24163	-.25834	646.82163	-9.99250	-10.02002
.950	7.490	2.02245	-.04779	.00567	-.00427	.08334	-.24234	-.25869	646.87541	-9.99250	-9.97998
.950	8.580	2.01674	-.04815	.00590	-.00363	.07546	-.24433	-.26019	646.74469	-10.01250	-9.98999
.950	9.693	2.00763	-.04231	.00458	-.00500	.06380	-.24863	-.26229	646.95236	-9.99250	-10.03003
.950	10.784	2.00035	-.04051	.00402	-.00549	.05491	-.25466	-.26732	646.75626	-10.00250	-10.02002
.950	11.878	1.99014	-.03853	.00410	-.00549	.04536	-.26328	-.27529	647.09466	-10.00250	-10.03003
.950	12.958	1.99245	-.04167	.00191	-.00392	.03200	-.27183	-.28562	646.67180	-10.01250	-10.00000
.950	14.045	1.98623	-.04082	.00067	-.00330	.02706	-.28241	-.29846	646.66023	-10.00250	-10.03003
.950	15.148	1.97949	-.04061	-.00043	-.00311	.02339	-.29629	-.31530	646.61798	-9.99250	-9.98999
.950	17.333	1.95932	-.04171	-.00055	-.00467	.01694	-.33310	-.35810	647.20219	-9.99250	-10.01001
.950	19.502	1.94150	-.03920	-.00372	-.00409	.01354	-.36689	-.39597	647.17900	-9.99250	-10.01001
	GRADIENT	.00029	-.00002	-.00010	-.00053	-.01180	.00303	.00312	-.03346	.00212	.00396

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 398

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 148/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-4.230	2.03422	-.04959	.00661	-.00070	.22337	-.34067	-.35411	659.31438	-10.01125	-10.04754
.981	-2.390	2.03992	-.05065	.00644	-.00217	.19856	-.33005	-.34152	660.00221	-10.02125	-10.00751
.981	-1.271	2.04114	-.05075	.00649	-.00273	.18616	-.32670	-.33700	659.97154	-10.02125	-10.02752
.981	-.161	2.04447	-.05281	.00640	-.00359	.17499	-.32353	-.33373	659.80362	-10.03125	-10.03753
.980	.935	2.04437	-.05220	.00612	-.00417	.16214	-.32012	-.32985	659.68155	-10.02125	-10.04754
.980	2.040	2.04432	-.05248	.00593	-.00463	.14846	-.31770	-.32650	659.71188	-10.03125	-10.02752
.980	3.133	2.04068	-.05008	.00559	-.00503	.13465	-.31517	-.32304	659.45254	-10.03125	-10.04754
.980	4.247	2.03728	-.04827	.00517	-.00554	.12081	-.31491	-.32241	659.84913	-10.03125	-10.05754
.980	5.366	2.03344	-.04689	.00477	-.00591	.10543	-.31612	-.32352	658.43015	-10.01125	-10.02752
.980	6.458	2.02810	-.04578	.00477	-.00526	.09236	-.31947	-.32684	658.91768	-10.02125	-10.02752
.980	7.556	2.02091	-.04528	.00533	-.00450	.08211	-.32478	-.33166	658.73445	-10.03125	-10.02752
.980	8.655	2.01425	-.04454	.00541	-.00470	.07213	-.33384	-.34114	659.14682	-10.03125	-10.03753
.980	9.756	2.00629	-.04235	.00511	-.00539	.06237	-.34417	-.35227	658.99440	-10.04126	-10.04754
.980	10.855	1.99565	-.04110	.00578	-.00628	.05044	-.35631	-.36506	659.02468	-10.04126	-10.02752
.980	11.949	1.98273	-.04109	.00741	-.00718	.04018	-.36904	-.37810	658.74958	-10.07126	-10.06755
.980	13.048	1.97493	-.04203	.00759	-.00685	.03143	-.38652	-.39691	659.58980	-10.04126	-10.07756
.980	14.149	1.96807	-.04063	.00633	-.00573	.02698	-.40712	-.41778	659.25465	-10.05126	-10.08757
.980	15.246	1.96818	-.04030	.00305	-.00461	.02243	-.41854	-.42962	659.17759	-10.05126	-9.96748
.981	17.436	1.94901	-.03924	.00178	-.00501	.01712	-.44527	-.46084	660.15461	-10.03125	-10.03753
.981	19.622	1.92719	-.03171	-.00203	-.00582	.00890	-.46640	-.48912	659.84948	-10.01125	-10.01751
GRADIENT		.00042	.00006	-.00016	-.00056	-.01189	.00296	.00363	.00624	-.00220	-.00256

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TABULATED SOURCE DATA - LA62

PAGE 399

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 147/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-4.215	2.03510	-.05196	.00810	-.00213	.20167	-.34917	-.40576	707.84780	-9.98125	-9.96748
1.120	-2.346	2.03757	-.05047	.00792	-.00478	.17541	-.34344	-.39408	708.01601	-10.04126	-10.02752
1.121	-1.242	2.03962	-.05044	.00767	-.00544	.15617	-.34390	-.38857	707.89268	-10.02125	-10.03753
1.120	-.127	2.04108	-.04971	.00711	-.00565	.13760	-.34492	-.38397	707.57813	-10.04126	-10.05754
1.120	.979	2.04282	-.04954	.00647	-.00607	.11897	-.34692	-.38052	707.93975	-10.04126	-10.07756
1.120	2.080	2.04222	-.04691	.00535	-.00642	.10118	-.35052	-.37637	707.87916	-10.06126	-10.03753
1.120	3.187	2.03977	-.04531	.00493	-.00609	.08521	-.35002	-.37521	707.92406	-10.06126	-10.05754
1.121	4.303	2.03753	-.04374	.00423	-.00598	.07092	-.35398	-.37947	707.98464	-10.08126	-10.06755
1.120	5.387	2.03275	-.04231	.00412	-.00479	.05805	-.36039	-.38642	707.77364	-9.95124	-9.97748
1.121	6.497	2.02834	-.04032	.00346	-.00479	.04552	-.36386	-.38688	707.99464	-9.97125	-10.02752
1.120	7.586	2.02200	-.04110	.00421	-.00400	.03930	-.36989	-.39311	707.81857	-9.96125	-10.01751
1.120	8.684	2.01499	-.03829	.00357	-.00476	.03179	-.37261	-.39449	707.69938	-9.99125	-10.04754
1.120	9.788	2.00887	-.03718	.00310	-.00486	.02468	-.37501	-.39323	707.84990	-10.02125	-10.02752
1.121	10.905	2.00145	-.03633	.00287	-.00528	.01936	-.38335	-.39533	708.01382	-10.04126	-10.05754
1.120	12.010	1.99506	-.03696	.00268	-.00508	.01516	-.38870	-.39425	707.48811	-10.04126	-10.07756
1.120	13.118	1.98734	-.03815	.00289	-.00511	.01115	-.39594	-.40047	707.78930	-10.06126	-10.00751
1.120	14.219	1.98010	-.03946	.00279	-.00414	.00448	-.40517	-.41364	707.80496	-10.04126	-10.00751
1.120	15.335	1.97166	-.04286	.00358	-.00164	-.00310	-.41371	-.42767	707.59376	-10.06126	-10.07756
1.121	17.529	1.95400	-.03908	.00083	-.00187	-.01292	-.44004	-.45331	708.54542	-10.09126	-10.08757
1.120	19.719	1.93323	-.03544	-.00185	-.00326	-.01484	-.44972	-.46396	707.71501	-10.07126	-10.07756
	GRADIENT	.00042	.00094	-.00050	-.00039	-.01575	-.00083	.00331	.00828	-.00959	-.00930

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TABULATED SOURCE DATA - LA62

PAGE 400

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3028) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 138/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.044	2.03833	-.05341	.00823	-.00443	.18289	-.35686	-.40713	730.02435	-10.03125	-10.02752
1.200	-2.310	2.04161	-.05148	.00754	-.00369	.15246	-.35011	-.40179	730.11745	-10.10126	-10.07756
1.200	-1.209	2.04400	-.05030	.00676	-.00391	.13293	-.34868	-.39983	730.13106	-10.08126	-10.12760
1.200	-.106	2.04662	-.04883	.00561	-.00407	.11348	-.35050	-.39833	730.04386	-10.09126	-10.11759
1.201	.981	2.04762	-.04740	.00472	-.00420	.09637	-.35134	-.39818	730.38870	-10.05126	-10.12760
1.201	2.093	2.04750	-.04583	.00386	-.00402	.08037	-.35414	-.39518	730.37305	-10.03125	-10.06755
1.201	3.192	2.04560	-.04440	.00334	-.00386	.06515	-.35902	-.39233	730.34395	-9.96125	-9.94746
1.201	4.287	2.04248	-.04340	.00312	-.00355	.05246	-.36380	-.39483	730.38644	-9.94124	-9.98749
1.201	5.395	2.03789	-.04139	.00271	-.00334	.03982	-.36943	-.40086	730.37305	-9.96125	-10.01751
1.201	6.484	2.03317	-.03887	.00195	-.00381	.02863	-.37211	-.40439	730.30142	-9.99125	-10.02752
1.201	7.588	2.02835	-.03809	.00165	-.00413	.01950	-.37514	-.40687	730.25106	-10.01125	-10.04754
1.201	8.700	2.02092	-.03624	.00145	-.00443	.01211	-.37943	-.41008	730.10776	-10.02125	-10.01751
1.200	9.793	2.01413	-.03575	.00141	-.00427	.00640	-.38522	-.40995	730.10199	-10.02125	-10.02752
1.200	10.924	2.00695	-.03552	.00131	-.00447	.00059	-.39175	-.40722	730.05934	-10.03125	-10.05754
1.200	12.012	1.99906	-.03520	.00123	-.00424	-.00477	-.39905	-.40635	729.93122	-10.10126	-10.10758
1.201	13.132	1.99207	-.03700	.00144	-.00401	-.01133	-.40200	-.40928	730.64608	-10.09126	-10.11759
1.201	14.239	1.98441	-.03924	.00181	-.00316	-.01747	-.41270	-.42561	730.49502	-10.09126	-10.07756
1.200	15.331	1.97539	-.03838	.00121	-.00274	-.02237	-.42052	-.43706	729.81506	-10.05126	-9.98749
1.200	17.536	1.95801	-.03428	-.00176	-.00298	-.03224	-.42908	-.44492	730.35391	-10.04126	-10.07756
1.200	19.729	1.93640	-.03114	-.00397	-.00351	-.03383	-.43306	-.44985	730.03203	-10.09126	-10.03753
GRADIENT		.00066	.00124	-.00068	.00005	-.01579	-.00105	.00155	.04875	.01486	.01044

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TABULATED SOURCE DATA - LA62

PAGE 401

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 171/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.838	2.02130	-.04243	.00479	.00100	.07609	-.21554	-.24888	461.98403	-4.96000	-5.03441
.601	-2.182	2.02553	-.04408	.00491	.00028	.07215	-.21550	-.24746	462.40239	-4.95000	-5.02440
.600	-1.142	2.02715	-.04363	.00449	.00037	.07087	-.21520	-.24667	461.98239	-4.96000	-5.05442
.600	-.098	2.02930	-.04558	.00445	-.00005	.06956	-.21510	-.24577	461.48581	-4.95000	-5.05442
.600	.959	2.02966	-.04549	.00415	-.00026	.06886	-.21477	-.24423	461.81633	-4.95000	-5.05442
.600	2.048	2.02750	-.04380	.00401	-.00048	.06792	-.21464	-.24241	461.73002	-4.93000	-5.04441
.601	3.090	2.02667	-.04452	.00395	-.00097	.06662	-.21334	-.23970	462.65304	-4.95000	-5.07444
.600	4.168	2.02464	-.04458	.00377	-.00100	.06577	-.21366	-.23856	461.65026	-4.94000	-5.05442
.601	5.217	2.02144	-.04446	.00382	-.00137	.06503	-.21130	-.23496	462.65304	-4.94000	-5.06443
.600	6.289	2.01673	-.04281	.00357	-.00184	.06478	-.21017	-.23270	461.81797	-4.94000	-5.06443
.600	7.322	2.01152	-.04173	.00356	-.00233	.06491	-.20699	-.23104	462.06541	-5.05000	-5.06443
.600	8.395	2.00626	-.04199	.00368	-.00281	.06455	-.20715	-.23173	461.73494	-5.04000	-5.07444
.601	9.466	1.99978	-.04088	.00355	-.00323	.06404	-.20730	-.23336	462.48539	-5.06000	-5.05442
.600	10.524	1.99191	-.03881	.00335	-.00403	.06494	-.20944	-.23487	461.56558	-5.07000	-5.04441
.600	11.623	1.98395	-.03723	.00298	-.00465	.06525	-.21302	-.23294	461.56722	-5.09000	-5.09446
.600	12.659	1.97485	-.04084	.00497	-.00352	.06124	-.21787	-.24665	461.73658	-5.11000	-5.13449
.601	13.713	1.96455	-.04291	.00659	-.00119	.05703	-.22621	-.25795	462.40239	-5.11000	-5.26461
.600	14.817	1.95654	-.04074	.00504	-.00052	.05171	-.23392	-.26874	461.65026	-5.10000	-5.25460
.600	16.940	1.93792	-.03673	.00267	-.00396	.04556	-.25397	-.29897	462.32103	-5.14000	-5.08445
.600	19.086	1.91396	-.03472	.00212	-.00742	.03611	-.27840	-.33002	461.31807	-5.14000	-5.13449
	GRADIENT	.00037	-.00020	-.00015	-.00025	-.00119	.00028	.00134	-.01555	.00249	-.00384

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 402

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 174/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.893	2.02545	-.04455	.00526	.00105	.08296	-.21705	-.24678	523.55296	-5.02000	-5.04441
.701	-2.214	2.03050	-.04637	.00522	.00080	.07787	-.21675	-.24559	523.54645	-5.02000	-5.04441
.700	-1.157	2.03218	-.04638	.00497	.00053	.07508	-.21603	-.24375	522.12763	-5.03000	-5.04441
.700	-.114	2.03348	-.04756	.00508	-.00025	.07321	-.21604	-.24285	522.42467	-5.02000	-5.05442
.700	.969	2.03375	-.04656	.00449	-.00028	.07214	-.21405	-.23951	522.50782	-5.02000	-5.05442
.699	2.046	2.03346	-.04722	.00445	-.00049	.07076	-.21421	-.23731	521.80142	-5.02000	-5.03441
.700	3.105	2.03107	-.04603	.00427	-.00076	.06908	-.21286	-.23521	522.11470	-5.03000	-5.03441
.700	4.191	2.02937	-.04665	.00422	-.00115	.06793	-.21129	-.23273	522.28102	-5.02000	-5.05442
.700	5.261	2.02412	-.04406	.00409	-.00136	.06716	-.20945	-.22922	523.06389	-5.01000	-5.03441
.700	6.349	2.02049	-.04427	.00404	-.00184	.06651	-.20659	-.22625	522.36418	-5.02000	-5.03441
.700	7.400	2.01458	-.04225	.00386	-.00208	.06592	-.20392	-.22416	522.99698	-5.01000	-5.04441
.700	8.462	2.00962	-.04255	.00386	-.00236	.06480	-.20463	-.22475	522.37712	-5.01000	-5.04441
.700	9.550	2.00238	-.04149	.00395	-.00267	.06321	-.20611	-.22633	523.15677	-5.00000	-5.04441
.700	10.607	1.99510	-.03946	.00346	-.00333	.06052	-.20823	-.22966	522.76376	-4.99000	-5.02440
.700	11.699	1.98841	-.03847	.00277	-.00352	.05642	-.21604	-.23910	522.45381	-5.01000	-5.04441
.700	12.744	1.98075	-.03948	.00309	-.00218	.05352	-.22173	-.24864	522.84042	-5.02000	-5.04441
.701	13.817	1.97269	-.04102	.00342	.00025	.05036	-.22857	-.26126	523.30030	-5.04000	-5.03441
.700	14.905	1.96347	-.04018	.00294	-.00079	.04883	-.23684	-.27330	522.36741	-5.05000	-5.05442
.700	17.066	1.94438	-.03895	.00167	-.00159	.04032	-.26216	-.30452	522.28425	-5.05000	-5.07444
.699	19.226	1.92142	-.03757	.00076	-.00586	.03718	-.28811	-.33956	521.65121	-5.04000	-5.06443
GRADIENT		.00041	-.00017	-.00015	-.00028	-.00176	.00071	.00183	-.18311	-.00023	.00009

ORIGINAL PAGE IS
OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 403

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -5.000 AILRON = .000

RUN NO. 175/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.959	2.02859	-.04677	.00603	.00020	.09329	-.22528	-.25061	577.48707	-5.01000	-5.03441
.801	-2.336	2.03262	-.04750	.00603	.00011	.08671	-.22340	-.24747	578.57147	-5.00000	-5.03441
.801	-1.208	2.03576	-.04894	.00590	-.00037	.08111	-.22265	-.24579	578.37062	-5.02000	-5.04441
.801	-.213	2.03729	-.04885	.00548	-.00077	.07803	-.22187	-.24381	577.89546	-5.02000	-5.04441
.801	.926	2.03697	-.04839	.00533	-.00132	.07590	-.21912	-.23986	577.96876	-5.01000	-5.04441
.801	2.045	2.03705	-.04889	.00514	-.00149	.07384	-.21764	-.23729	578.31629	-5.03000	-4.98436
.800	3.114	2.03520	-.04789	.00480	-.00182	.07195	-.21550	-.23544	577.82846	-5.02000	-4.99437
.800	4.013	2.03398	-.04838	.00471	-.00214	.07020	-.21324	-.23266	577.64000	-5.02000	-5.00438
.801	5.306	2.02919	-.04709	.00460	-.00234	.06741	-.20987	-.22997	577.96876	-5.02000	-5.02440
.800	6.339	2.02443	-.04601	.00455	-.00233	.06386	-.20890	-.22955	577.62742	-5.02000	-5.02440
.801	7.377	2.01939	-.04523	.00449	-.00197	.06041	-.20665	-.22661	578.25563	-5.02000	-5.03441
.800	8.423	2.01318	-.04382	.00434	-.00148	.05767	-.20841	-.22798	577.85366	-5.02000	-5.03441
.800	9.554	2.00665	-.04279	.00404	-.00164	.05662	-.21084	-.22958	577.91437	-5.03000	-5.05442
.800	10.732	1.99868	-.04078	.00349	-.00240	.05685	-.21447	-.23348	577.63371	-5.02000	-5.03441
.801	11.789	1.99237	-.04041	.00300	-.00363	.05626	-.21986	-.24139	578.18865	-5.05000	-5.03441
.800	12.813	1.98507	-.04038	.00281	-.00296	.05555	-.22562	-.25056	577.28594	-5.06000	-5.07444
.800	13.804	1.97891	-.03992	.00195	-.00171	.05191	-.23560	-.26629	577.90806	-5.02000	-5.04441
.801	14.929	1.97078	-.03987	.00129	-.00032	.04615	-.24561	-.28004	578.04206	-5.02000	-5.03441
.800	17.147	1.95195	-.04120	.00069	-.00203	.03945	-.26805	-.30665	577.09104	-5.03000	-5.07444
.799	19.295	1.92948	-.04075	-.00003	-.00174	.03398	-.29358	-.34282	576.68850	-5.09000	-5.08445
	GRADIENT	.00062	-.00014	-.00019	-.00032	-.00279	.00149	.00228	-.02111	-.00202	.00617

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TABULATED SOURCE DATA - LA62

PAGE 404

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 160/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-4.092	2.03361	-.05248	.00735	.00058	.11963	-.24801	-.27208	625.11309	-5.00125	-4.99499
.900	-2.338	2.03849	-.05418	.00755	-.00016	.10476	-.24406	-.26726	625.25022	-4.99125	-5.00501
.900	-1.246	2.04098	-.05498	.00744	-.00090	.09569	-.24157	-.26429	625.17253	-5.00125	-5.02503
.900	-.161	2.04241	-.05557	.00736	-.00155	.08846	-.23798	-.25996	625.35993	-5.00125	-5.00501
.900	.935	2.04227	-.05425	.00682	-.00173	.08156	-.23579	-.25577	625.50618	-5.00125	-5.01502
.900	2.054	2.04190	-.05452	.00671	-.00207	.07273	-.23296	-.25221	625.32792	-5.01125	-5.01502
.899	3.145	2.03977	-.05331	.00636	-.00222	.06486	-.23166	-.25056	624.75630	-5.01125	-5.03504
.900	4.227	2.03710	-.05276	.00622	-.00263	.05758	-.22846	-.24761	625.25022	-5.01125	-4.95495
.900	5.309	2.03276	-.05118	.00599	-.00266	.05203	-.22783	-.24748	625.25935	-5.04126	-4.96496
.900	6.393	2.02824	-.04950	.00553	-.00254	.05079	-.22748	-.24865	624.83879	-5.01125	-4.97497
.899	7.468	2.02580	-.04905	.00465	-.00404	.04843	-.22643	-.25011	624.61910	-5.03126	-4.97497
.900	8.558	2.01965	-.04799	.00450	-.00377	.04764	-.22864	-.25029	625.12221	-4.99125	-4.98498
.900	9.646	2.01322	-.04591	.00382	-.00502	.04633	-.23045	-.25046	625.30965	-4.96124	-4.99499
.900	10.724	2.00577	-.04412	.00336	-.00515	.04308	-.23702	-.25661	625.57473	-4.96124	-4.99439
.900	11.797	1.99844	-.04329	.00300	-.00432	.03876	-.24173	-.26168	625.42849	-4.98125	-5.00501
.900	12.865	1.99265	-.04137	.00149	-.00347	.03471	-.24828	-.26960	625.06277	-5.01125	-5.03504
.901	13.972	1.98517	-.04237	.00133	-.00348	.03114	-.25960	-.28334	625.68437	-5.02126	-5.07508
.900	15.044	1.97919	-.03962	-.00093	-.00126	.02749	-.26819	-.29292	624.98507	-5.02126	-5.03504
.899	17.216	1.95937	-.03943	-.00161	-.00374	.02563	-.28569	-.31689	624.39015	-5.04126	-5.02503
.899	19.405	1.93909	-.03695	-.00402	-.00431	.02645	-.31423	-.34866	624.74232	-5.04126	-5.03504
	GRADIENT	.00040	.00003	-.00017	-.00038	-.00736	.00235	.00305	-.00771	-.00199	.00133

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 405

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 176/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.922	-3.976	2.03212	-.05307	.00834	.00114	.12691	-.25542	-.27824	635.45273	-5.01000	-5.02440
.921	-2.385	2.03732	-.05612	.00883	-.00009	.11174	-.25290	-.27539	634.67675	-5.01000	-5.02440
.921	-1.233	2.04048	-.05841	.00911	-.00053	.10263	-.24913	-.27223	635.10377	-5.02000	-5.03441
.921	-.161	2.04029	-.05661	.00863	-.00142	.09430	-.24893	-.27081	634.68687	-5.03000	-5.04441
.921	.924	2.04098	-.05660	.00833	-.00218	.08583	-.24718	-.26833	635.01661	-5.03000	-5.06443
.921	1.981	2.04100	-.05657	.00800	-.00230	.07546	-.24508	-.26501	634.70614	-5.02000	-5.07444
.920	3.146	2.03940	-.05545	.00749	-.00294	.06587	-.24231	-.26251	634.22062	-5.04000	-5.01439
.921	4.252	2.03554	-.05429	.00748	-.00258	.05949	-.23707	-.25889	634.61847	-5.04000	-5.00438
.921	5.378	2.03226	-.05282	.00690	-.00302	.05481	-.23489	-.25844	634.79328	-5.04000	-5.01439
.921	6.344	2.02765	-.05106	.00658	-.00273	.05337	-.23296	-.25726	634.68637	-5.03000	-5.01439
.921	7.503	2.02159	-.04941	.00630	-.00346	.05100	-.23204	-.25549	634.50189	-5.03000	-5.02440
.920	8.623	2.01774	-.04731	.00494	-.00381	.04778	-.23233	-.25529	634.38528	-5.02000	-5.03441
.921	9.708	2.01300	-.04535	.00376	-.00444	.04208	-.23338	-.25484	634.85154	-5.03000	-5.04441
.920	10.696	2.00503	-.04295	.00340	-.00480	.03644	-.24800	-.25933	634.15270	-5.03000	-5.05442
.920	11.852	1.99746	-.04196	.00287	-.00435	.03123	-.24072	-.26671	634.23023	-5.02000	-5.04441
.920	12.943	1.99212	-.03828	.00050	-.00315	.02535	-.25885	-.27837	634.36607	-5.07000	-5.11448
.921	13.944	1.98521	-.03727	-.00032	-.00285	.02000	-.27154	-.29272	634.80291	-5.13000	-5.07444
.921	15.091	1.97747	-.03837	-.00074	-.00167	.01506	-.28159	-.30446	634.51151	-4.97000	-5.07444
.920	17.322	1.95876	-.03736	-.00231	-.00285	.00942	-.29823	-.32659	634.18151	-5.02000	-5.08445
.920	19.515	1.93795	-.03359	-.00509	-.00446	.01159	-.32605	-.35987	633.84098	-5.07000	-5.08445
.920	GRADIENT	.00042	-.00002	-.00016	-.00049	-.00825	.00203	.00233	-.09573	-.00375	.00045

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TABULATED SOURCE DATA - LA62

PAGE 406

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPD3RK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 177/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R	
.950	-3.988	2.03242	-.05454	.00900	-.00032	.15470	-.27743	-.30228	646.64866	-4.99000	-5.00438
.950	-2.344	2.03662	-.05702	.00964	-.00199	.13270	-.27525	-.29925	646.95978	-5.01000	-5.03441
.951	-1.260	2.03848	-.05745	.00961	-.00277	.12169	-.27352	-.29703	647.35911	-5.00000	-5.04441
.951	-.157	2.03927	-.05691	.00931	-.00402	.11093	-.27224	-.29454	647.53183	-4.99000	-5.05442
.951	.887	2.04063	-.05771	.00912	-.00470	.09961	-.27003	-.29028	647.59714	-4.99000	-5.02440
.951	2.043	2.03864	-.05595	.00874	-.00495	.08613	-.26782	-.28616	647.33588	-5.01000	-5.04441
.951	3.132	2.03663	-.05464	.00832	-.00496	.07445	-.26424	-.28090	647.17474	-5.01000	-5.06443
.950	4.259	2.03353	-.05299	.00786	-.00451	.06387	-.26055	-.27590	646.94818	-5.01000	-4.98436
.950	5.352	2.02894	-.05134	.00764	-.00424	.05414	-.25747	-.27139	646.72153	-5.02000	-4.99437
.950	6.443	2.02451	-.05029	.00739	-.00384	.04802	-.25519	-.26900	646.63709	-5.02000	-5.00438
.950	7.583	2.01833	-.04811	.00695	-.00371	.04164	-.25291	-.26709	646.54103	-5.02000	-5.00438
.949	8.700	2.01175	-.04641	.00660	-.00446	.03216	-.25394	-.26921	646.36797	-5.06000	-5.04441
.949	9.700	2.00516	-.04356	.00582	-.00496	.02731	-.25721	-.27174	646.40263	-5.09000	-5.05442
.949	10.767	1.99776	-.04058	.00490	-.00478	.02087	-.26258	-.27673	646.33722	-5.07000	-5.06443
.950	11.890	1.98826	-.03832	.00459	-.00534	.01294	-.27314	-.28832	646.72561	-5.08000	-5.11448
.950	13.052	1.98631	-.03967	.00288	-.00420	.00005	-.28741	-.30374	646.91760	-5.12000	-5.08445
.950	14.208	1.98278	-.03944	.00081	-.00310	-.00678	-.30084	-.31833	646.75626	-5.05000	-5.09446
.950	15.170	1.97652	-.03894	-.00017	-.00280	-.01101	-.31481	-.33514	646.76784	-5.03000	-5.09446
.950	17.351	1.95730	-.03881	-.00106	-.00423	-.01831	-.34444	-.37601	647.07149	-5.14000	-5.10447
.949	19.600	1.93658	-.03380	-.00456	-.00473	-.01872	-.37553	-.40896	645.94850	-4.99000	-4.97435
GRADIENT		.00014	.00025	-.00017	-.00054	-.01090	.00199	.00324	.03634	-.00182	-.00005

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 407

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = -5.000 AILRON = .000

RUN NO. 178/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CB.	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.981	2.03195	-.05562	.00978	-.00128	.15741	-.34468	-.35950	659.19224	-4.94000	-4.99437
.981	-2.385	2.03432	-.05475	.00970	-.00265	.13583	-.33983	-.35382	659.98672	-5.00000	-5.03441
.981	-1.259	2.03677	-.05598	.00981	-.00367	.12349	-.33861	-.35202	660.05598	-5.02000	-5.04441
.981	-.057	2.03881	-.05711	.00976	-.00499	.11128	-.33551	-.34858	659.62119	-5.04000	-5.05442
.981	1.038	2.03759	-.05541	.00938	-.00545	.10003	-.33357	-.34642	659.37709	-5.07000	-5.05442
.981	2.097	2.03665	-.05428	.00893	-.00578	.08830	-.33250	-.34488	659.33123	-5.02000	-5.07444
.980	3.166	2.03431	-.05294	.00860	-.00596	.07625	-.33154	-.34321	659.30053	-5.04000	-4.92431
.980	4.252	2.03093	-.05180	.00843	-.00568	.06542	-.33118	-.34285	659.17803	-5.01000	-5.02440
.980	5.341	2.02674	-.05138	.00857	-.00530	.05533	-.33329	-.34389	659.13167	-5.03000	-5.03441
.980	6.472	2.02166	-.05006	.00836	-.00556	.04426	-.33545	-.34497	659.03982	-5.04000	-5.08445
.980	7.516	2.01673	-.04996	.00845	-.00511	.03832	-.33943	-.34763	658.91768	-5.06000	-4.98436
.979	8.644	2.00792	-.04769	.00857	-.00541	.02790	-.34610	-.35309	658.53549	-5.03000	-5.03441
.979	9.805	2.00005	-.04527	.00806	-.00590	.01876	-.35500	-.36194	658.62682	-5.07000	-5.08445
.979	10.844	1.98987	-.04170	.00782	-.00593	.01205	-.36581	-.37343	658.36666	-5.05000	-5.11448
.979	11.905	1.97985	-.03883	.00755	-.00629	.00325	-.37942	-.38793	658.36666	-5.08000	-5.00438
.979	13.082	1.97177	-.03758	.00680	-.00597	-.00436	-.39540	-.40694	658.38176	-5.08000	-5.10447
.979	14.108	1.96528	-.03583	.00588	-.00522	-.00911	-.40897	-.42674	658.45798	-5.07000	-5.10447
.979	15.253	1.96358	-.03836	.00373	-.00415	-.01370	-.42115	-.44364	658.13657	-5.08000	-5.14450
.978	17.369	1.94756	-.03770	.00185	-.00462	-.01698	-.43620	-.46210	657.64488	-5.14000	-5.10447
.981	19.562	1.92541	-.02915	-.00219	-.00552	-.02528	-.45904	-.49580	659.52981	-5.02000	-4.98436
GRADIENT	-.00004	.00043	-.00018	-.00057	-.01099	.00164	.00202	-.05640	-.00799	.00208	

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 408

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3029) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 137/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.989	2.03811	-.04732	.00603	-.00280	-.34831	-.39418	730.71766	-4.96062	-5.00375
1.201	-2.272	2.04277	-.04712	.00558	-.00333	-.35105	-.38279	730.13466	-5.07063	-5.03378
1.201	-1.173	2.04419	-.04613	.00514	-.00353	-.35198	-.37868	730.17941	-5.02063	-5.06380
1.201	-.073	2.04686	-.04614	.00453	-.00371	-.35340	-.37827	730.30697	-5.05063	-5.10383
1.201	1.023	2.04742	-.04532	.00398	-.00368	-.35519	-.37800	730.50837	-5.04063	-5.04378
1.201	2.132	2.04705	-.04430	.00339	-.00376	-.35652	-.37451	730.11340	-5.07063	-5.06380
1.201	3.241	2.04490	-.04341	.00313	-.00344	-.35754	-.37210	730.34944	-5.05063	-5.09382
1.201	4.318	2.04157	-.04184	.00276	-.00317	-.36397	-.37647	730.22196	-5.04063	-5.10383
1.200	5.427	2.03763	-.03971	.00211	-.00346	-.36776	-.37788	730.13684	-5.06063	-5.04378
1.200	6.539	2.03242	-.03854	.00196	-.00358	-.37315	-.37938	730.13684	-5.07063	-5.07381
1.200	7.627	2.02625	-.03711	.00181	-.00390	-.37753	-.37914	730.14650	-5.06063	-5.05379
1.200	8.724	2.01969	-.03533	.00142	-.00434	-.37850	-.37978	730.46243	-5.05063	-5.04378
1.200	9.830	2.01292	-.03476	.00131	-.00482	-.38446	-.38840	729.80549	-5.05063	-5.04378
1.200	10.942	2.00483	-.03464	.00154	-.00442	-.39106	-.39892	730.31309	-5.04063	-5.05379
1.200	12.035	1.99811	-.03423	.00109	-.00471	-.39404	-.40446	730.15238	-5.05063	-5.08381
1.200	13.150	1.99106	-.03553	.00114	-.00435	-.39962	-.41163	730.02435	-5.11064	-5.17388
1.200	14.264	1.98409	-.03768	.00125	-.00296	-.40391	-.41033	730.34035	-5.06063	-5.03378
1.200	15.359	1.97616	-.03839	.00092	-.00223	-.40930	-.41655	730.25314	-5.06063	-5.08381
1.201	17.573	1.95721	-.03377	-.00182	-.00273	-.42353	-.43542	730.69872	-5.11064	-5.08381
1.201	19.759	1.93571	-.03079	-.00401	-.00347	-.43458	-.44976	730.21630	-5.15064	-5.18389
1.200	GRADIENT	.00050	.00065	-.00042	-.00004	-.01396	-.00162	.00204	-.00676	-.00992

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 409

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3030) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -2.500 AILRON = .000

RUN NO. 170/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.599	-3.772	2.02181	-.04256	.00466	-.00029	.05411	-.22302	-.25794	460.97928	-2.54000	-2.49218
.600	-2.184	2.02578	-.04386	.00471	-.00083	.05152	-.22213	-.25679	462.06376	-2.53000	-2.50219
.601	-1.098	2.02749	-.04340	.00428	-.00119	.05038	-.22026	-.25541	462.40239	-2.53000	-2.50219
.600	-.060	2.02956	-.04531	.00424	-.00141	.04948	-.22060	-.25394	461.73658	-2.54000	-2.50219
.601	.995	2.03010	-.04590	.00412	-.00165	.04895	-.21988	-.25215	462.48539	-2.54000	-2.50219
.600	2.041	2.02952	-.04557	.00382	-.00179	.04831	-.21928	-.24953	462.32103	-2.53000	-2.52221
.600	3.143	2.02718	-.04449	.00363	-.00233	.04684	-.21991	-.24921	461.39785	-2.55000	-2.51220
.600	4.215	2.02590	-.04593	.00370	-.00256	.04609	-.21898	-.24603	462.23637	-2.54000	-2.50219
.600	5.231	2.02077	-.04303	.00355	-.00290	.04527	-.21758	-.24175	462.32103	-2.54000	-2.50219
.600	6.313	2.01615	-.04169	.00336	-.00331	.04503	-.21621	-.24076	461.65026	-2.54000	-2.51220
.600	7.347	2.01172	-.04186	.00347	-.00370	.04454	-.21303	-.23671	462.23473	-2.54000	-2.51220
.601	8.454	2.00522	-.04035	.00340	-.00388	.04375	-.21193	-.23730	462.40509	-2.54000	-2.52221
.600	9.487	1.99792	-.03828	.00332	-.00452	.04297	-.21290	-.23862	462.15665	-2.53000	-2.53222
.600	10.563	1.99180	-.03808	.00302	-.00524	.04341	-.21486	-.24142	461.98567	-2.54000	-2.52221
.601	11.626	1.98402	-.03640	.00264	-.00573	.04362	-.21784	-.24453	462.48369	-2.54000	-2.52221
.600	12.689	1.97446	-.04090	.00507	-.00379	.03921	-.22396	-.25524	461.81797	-2.55000	-2.53222
.600	13.734	1.96501	-.04388	.00665	-.00116	.03487	-.23154	-.26687	461.65518	-2.54000	-2.57225
.600	14.803	1.95757	-.04180	.00503	-.00074	.02917	-.24039	-.27840	461.65026	-2.54000	-2.59227
.600	16.950	1.93715	-.03540	.00246	-.00469	.02442	-.26253	-.30841	461.65682	-2.54000	-2.60228
.600	19.110	1.91299	-.03390	.00215	-.00821	.01402	-.28717	-.34172	461.98239	-2.58000	-2.56224
GRADIENT		.00049	-.00037	-.00015	-.00027	-.00094	.00047	.00150	.07126	-.00101	-.00197

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TABULATED SOURCE DATA - LA62

PAGE 410

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 166/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.766	2.01988	-.04168	.00521	-.00074	.03192	-.22914	-.26630	462.32432	-.07000	-.05004
.600	-2.153	2.02510	-.04492	.00541	-.00125	.02986	-.22881	-.26637	461.65026	-.09000	-.03003
.600	-1.103	2.02712	-.04500	.00505	-.00166	.02935	-.22761	-.26494	462.32103	-.09000	-.05004
.600	-.047	2.02789	-.04506	.00487	-.00177	.02871	-.22771	-.26290	461.48090	-.06000	-.05004
.600	1.008	2.02772	-.04473	.00469	-.00191	.02777	-.22630	-.26115	461.55902	-.07000	-.03003
.600	2.082	2.02680	-.04419	.00444	-.00202	.02673	-.22507	-.25822	461.64206	.02000	-.03003
.600	3.139	2.02617	-.04545	.00445	-.00234	.02566	-.22485	-.25682	461.72674	-.01000	-.04004
.600	4.200	2.02350	-.04467	.00426	-.00287	.02430	-.22417	-.25413	461.39130	-.02000	-.03003
.600	5.270	2.01966	-.04363	.00419	-.00300	.02345	-.22251	-.24991	461.64862	-.03000	-.04004
.600	6.323	2.01535	-.04251	.00400	-.00338	.02268	-.22017	-.24657	461.56722	-.01000	-.04004
.600	7.370	2.01093	-.04244	.00400	-.00372	.02194	-.21830	-.24349	462.23473	.00000	-.04004
.600	8.472	2.00442	-.04049	.00375	-.00425	.02032	-.21881	-.24488	461.57214	-.01000	-.07006
.601	9.515	1.99811	-.03928	.00355	-.00476	.01953	-.21805	-.24526	462.40733	.01000	-.07096
.600	10.571	1.99096	-.03855	.00354	-.00519	.01986	-.22039	-.24745	461.82290	.00000	-.09008
.600	11.645	1.98400	-.03781	.00312	-.00561	.01998	-.22362	-.25539	462.15829	.00000	-.07006
.600	12.706	1.97442	-.03995	.00468	-.00404	.01720	-.22812	-.26342	462.32432	.00000	-.08007
.600	13.772	1.96462	-.04513	.00717	.00009	.01264	-.23825	-.27622	462.16158	.00000	-.09008
.600	14.842	1.95598	-.04034	.00505	-.00015	.00764	-.24709	-.28621	462.15994	-.02000	-.10009
.600	16.983	1.93690	-.03526	.00238	-.00547	.00421	-.26794	-.31614	461.99389	-.23000	-.10009
.600	19.153	1.91285	-.03513	.00244	-.00823	-.00866	-.29039	-.34465	461.48090	-.02000	-.06005
GRADIENT		.00036	-.00024	-.00014	-.00023	-.00090	.00068	.00167	-.08942	.01125	.00187

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 411

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = .000 AILRON = .000

RUN NO. 163/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.782	2.02768	-.04530	.00477	-.00077	.03595	-.23001	-.26341	523.08013	-.04001	.02003
.701	-2.221	2.03139	-.04626	.00483	-.00113	.03308	-.22885	-.26373	523.31006	-.04001	.01001
.701	-1.155	2.03333	-.04648	.00461	-.00161	.03192	-.22811	-.26146	523.93276	-.02001	.01001
.701	-.088	2.02465	-.04646	.00424	-.00192	.03053	-.22769	-.25987	523.54319	-.03001	.00000
.701	.965	2.03557	-.04740	.00414	-.00230	.02979	-.22544	-.25567	523.86268	-.02001	.01001
.701	2.038	2.03492	-.04733	.00398	-.00229	.02866	-.22439	-.25253	523.86593	-.03001	.01001
.701	3.101	2.03395	-.04710	.00361	-.00271	.02719	-.22375	-.25071	523.62958	-.01000	.00000
.701	4.174	2.03067	-.04590	.00349	-.00299	.02590	-.22248	-.24764	523.77955	-.02001	-.02002
.701	5.245	2.02643	-.04475	.00348	-.00335	.02446	-.22033	-.24283	523.54645	-.03001	.00000
.701	6.341	2.02291	-.04486	.00338	-.00380	.02326	-.21599	-.23834	523.85942	-.03001	.01001
.700	7.401	2.01665	-.04264	.00320	-.00398	.02168	-.21431	-.23655	523.23991	-.03001	.02003
.701	8.478	2.01095	-.04219	.00320	-.00425	.01977	-.21428	-.23711	523.31006	-.03001	.01001
.701	9.569	2.00483	-.04098	.00277	-.00470	.01795	-.21508	-.23909	523.54319	-.03001	.00000
.701	10.630	1.99688	-.04112	.00334	-.00449	.01721	-.21845	-.24306	523.38669	-.04001	-.05005
.701	11.685	1.99047	-.04010	.00265	-.00404	.01535	-.22492	-.25261	523.70294	.01000	-.04004
.701	12.745	1.98291	-.04039	.00260	-.00247	.01262	-.23328	-.26843	523.47633	.01000	-.06006
.701	13.827	1.97370	-.04096	.00297	-.00001	.00947	-.24211	-.28065	523.54970	.02000	-.03003
.701	14.909	1.96646	-.04116	.00213	-.00184	.00656	-.25165	-.29091	523.39644	.03000	-.04004
.701	17.075	1.94587	-.03794	.00069	-.00258	-.00426	-.27478	-.32165	523.93276	.01000	.00000
.701	19.239	1.92267	-.03654	-.00012	-.00717	-.00726	-.29968	-.35292	523.46657	-.04001	-.03003
.701	GRADIENT	.00046	-.00013	-.00018	-.00028	-.00119	.00098	.00220	.07352	.00292	-.00346

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TABULATED SOURCE DATA - LA62

PAGE 412

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 141/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.926	2.02953	-.04682	.00574	-.00031	.04458	-.23775	-.26516	577.08269	.00000	.00000
.800	-2.213	2.03400	-.04782	.00570	-.00056	.04047	-.23404	-.26093	577.15602	.01000	.00000
.800	-1.132	2.03726	-.04948	.00557	-.00102	.03808	-.23314	-.25854	577.02193	.00000	.00000
.800	-.044	2.03915	-.05019	.00533	-.00157	.03611	-.23092	-.25455	577.49742	.01000	.00000
.800	1.014	2.03861	-.04947	.00513	-.00196	.03473	-.22838	-.24973	577.35710	.01000	.00000
.800	2.082	2.03832	-.04980	.00499	-.00212	.03278	-.22533	-.24601	577.14672	.01000	.00000
.800	3.164	2.03614	-.04849	.00465	-.00230	.03139	-.22314	-.24302	577.16231	.00000	.00000
.800	4.259	2.03336	-.04784	.00450	-.00284	.02901	-.21983	-.23932	577.28378	.02000	.00000
.800	5.340	2.02849	-.04603	.00438	-.00301	.02627	-.21786	-.23722	577.08269	.01000	-.01001
.800	6.420	2.02469	-.04628	.00444	-.00295	.02318	-.21647	-.23597	577.15602	.03000	-.02002
.801	7.500	2.01912	-.04446	.00408	-.00292	.02160	-.21563	-.23634	577.62512	.02000	-.04003
.800	8.572	2.01356	-.04358	.00383	-.00330	.02029	-.21728	-.23826	577.57073	.00000	-.04003
.800	9.649	2.00820	-.04286	.00330	-.00371	.01954	-.22058	-.24211	577.08269	.00000	-.01001
.800	10.721	2.00036	-.04083	.00294	-.00379	.02137	-.22436	-.24680	577.57073	-.01000	-.04003
.801	11.795	1.99303	-.03950	.00239	-.00522	.02126	-.23068	-.25904	577.78433	-.05001	-.01001
.800	12.865	1.98575	-.03985	.00221	-.00379	.01860	-.24094	-.27743	576.94231	.01000	-.04003
.800	13.956	1.97901	-.03960	.00131	-.00129	.00962	-.25319	-.29137	577.30896	.01000	-.03002
.800	15.047	1.97023	-.03964	.00099	-.00056	-.00006	-.26581	-.30379	577.41781	.00000	.03004
.800	17.229	1.95093	-.04010	.00033	-.00310	-.01008	-.28906	-.33127	577.49112	.01000	.02003
.800	19.390	1.92908	-.03931	-.00082	-.00322	-.01136	-.31360	-.36574	577.42111	-.03000	.04006
	GRADIENT	.00048	-.00013	-.00017	-.00032	-.00182	.00216	.00328	.01847	.00129	.00000

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 413

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XU
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN-NO. 159/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.901	-4.024	2.03255	-.05460	.00857	-.00026	.05507	-.26373	-.28507	626.01342	.03000	-.05005
.900	-2.281	2.03646	-.05487	.00850	-.00071	.04468	-.25880	-.27917	625.49244	.02000	-.04004
.900	-1.197	2.03969	-.05618	.00834	-.00128	.03766	-.25717	-.27729	625.78950	.02000	-.05005
.901	-.092	2.04033	-.05536	.00797	-.00187	.03174	-.25307	-.27332	626.30110	.02000	-.05005
.900	.991	2.04170	-.05645	.00782	-.00257	.02678	-.25010	-.26965	625.23641	.02000	.04006
.900	2.096	2.03989	-.05555	.00773	-.00249	.02153	-.24701	-.26544	625.42387	.02000	.04006
.900	3.172	2.03852	-.05513	.00746	-.00217	.01861	-.24318	-.26149	625.89463	.03000	.01001
.901	4.272	2.03616	-.05456	.00718	-.00207	.01785	-.23950	-.25707	625.98593	.03000	.01001
.901	5.357	2.03260	-.05302	.00671	-.00258	.01790	-.23737	-.25318	626.64363	.02000	.01001
.901	6.435	2.02742	-.05076	.00625	-.00283	.01807	-.23526	-.25084	626.26007	.03000	.02003
.900	7.513	2.02367	-.04873	.00518	-.00494	.01493	-.23429	-.25426	625.83522	.03000	.01001
.900	8.581	2.01773	-.04639	.00450	-.00441	.01402	-.23754	-.25837	625.87634	.04000	.00000
.901	9.670	2.01190	-.04426	.00360	-.00577	.01145	-.24141	-.26184	626.25091	.00000	.00000
.900	10.752	2.00510	-.04315	.00315	-.00598	.00907	-.24640	-.26959	625.38268	.00000	-.01001
.901	11.844	1.99823	-.03987	.00167	-.00499	.00265	-.25606	-.28218	626.05449	.00000	.00000
.900	12.913	1.99178	-.03798	.00039	-.00398	-.00265	-.26462	-.29172	625.68998	.00000	-.02002
.900	13.997	1.98520	-.03897	-.00004	-.00392	-.00757	-.27377	-.30283	625.74839	.01000	-.02002
.900	15.094	1.97796	-.03706	-.00163	-.00210	-.01179	-.28192	-.30770	625.51070	-.03001	-.05005
.900	17.271	1.95835	-.03704	-.00234	-.00474	-.01813	-.29886	-.33106	625.57926	.01000	-.02002
.901	19.450	1.93794	-.03380	-.00496	-.00539	-.02103	-.32868	-.36184	626.22817	-.01000	.02003
GRADIENT		.00044	-.00001	-.00017	-.00026	-.00465	.00291	.00335	-.00625	.00042	.01061

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TABULATED SOURCE DATA - LA62

PAGE 414

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 155/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-4.038	2.03300	-.05134	.00734	-.00030	.05999	-.27555	-.29629	634.18151	.01000	.00000
.920	-2.285	2.03675	-.05340	.00802	-.00106	.04564	-.26981	-.29009	634.25904	.02000	.00000
.920	-1.193	2.04037	-.05545	.00801	-.00193	.03790	-.26855	-.28897	633.74428	.02000	.01001
.920	-.093	2.04102	-.05551	.00797	-.00260	.03089	-.26452	-.28508	633.88977	.02000	.02003
.920	.991	2.04097	-.05537	.00784	-.00344	.02368	-.26161	-.28119	634.02567	.06000	.00000
.920	2.098	2.03924	-.05443	.00770	-.00339	.01816	-.25700	-.27535	634.35646	.02000	.03004
.920	3.189	2.03910	-.05644	.00793	-.00277	.01554	-.25226	-.27001	634.43398	.02000	.02003
.920	4.300	2.03586	-.05666	.00823	-.00257	.01497	-.24652	-.26381	634.53073	.02000	.03004
.920	5.361	2.03192	-.05429	.00757	-.00282	.01359	-.24502	-.26183	633.95772	.02000	.02003
.920	6.450	2.02761	-.05161	.00667	-.00332	.01192	-.24371	-.26101	634.43398	.03000	.03004
.921	7.526	2.02286	-.04774	.00523	-.00466	.01187	-.24348	-.26213	634.69599	.04000	.00000
.920	8.605	2.02028	-.04530	.00339	-.00397	.01099	-.24618	-.26644	634.14237	.05000	-.01001
.920	9.689	2.01332	-.04282	.00273	-.00505	.00325	-.25188	-.27297	634.45320	.04000	.03004
.920	10.781	2.00532	-.03921	.00170	-.00577	-.00045	-.26020	-.28140	633.84098	.03000	-.03003
.920	11.849	1.99876	-.03860	.00118	-.00535	-.00531	-.26964	-.29314	633.80265	-.02001	-.02002
.920	12.935	1.99294	-.03601	-.00062	-.00394	-.01194	-.27921	-.30020	633.77302	.01000	.00000
.920	14.021	1.98593	-.03558	-.00144	-.00377	-.01797	-.28982	-.31211	633.90893	.02000	.02003
.920	15.133	1.97831	-.03596	-.00208	-.00269	-.02479	-.30167	-.32614	633.76344	.02000	.00000
.921	17.304	1.96028	-.03499	-.00364	-.00390	-.03273	-.31791	-.34104	634.50189	.00000	.00000
.920	19.487	1.93959	-.03228	-.00601	-.00536	-.03398	-.34101	-.37514	634.42369	-.07002	-.05005
	GRADIENT	.00034	-.00052	.00005	-.00031	-.00556	.00338	.00383	.05192	.00123	.00560

DATE 12 NOV 75

TABULATED SOURCE DATA - LAGE2

PAGE 415

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SFJBRK = 25.000
 RUDDER = .00L BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 151/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-4.064	2.03335	-.04717	.00586	-.00266	.09036	-.29800	-.31980	646.59485	-.03001	.01001
.950	-2.303	2.03720	-.04764	.00593	-.00430	.06774	-.29278	-.31301	646.90602	-.04001	.00000
.950	-1.209	2.03963	-.04861	.00591	-.00504	.05740	-.29085	-.30940	646.85225	.00000	.00000
.950	-.102	2.03996	-.04782	.00565	-.00587	.04809	-.28748	-.30459	647.05990	.00000	.00000
.950	.999	2.03997	-.04770	.00553	-.00672	.03829	-.28559	-.30126	646.92919	.01000	.00000
.950	2.085	2.03916	-.04723	.00525	-.00665	.02822	-.28219	-.29630	646.62552	.00000	.00000
.950	3.186	2.03659	-.04624	.00512	-.00665	.01891	-.27951	-.29266	646.94077	.01000	.00000
.950	4.288	2.03321	-.04661	.00552	-.00584	.01128	-.27761	-.29126	646.82163	.01000	.00000
.950	5.397	2.02902	-.04555	.00539	-.00559	.00336	-.27608	-.29033	647.00613	.01000	.00000
.950	6.481	2.02398	-.04583	.00582	-.00514	-.00077	-.27335	-.28980	646.83321	.00000	-.01001
.950	7.566	2.02002	-.04498	.00526	-.00461	-.00525	-.27199	-.29050	646.89857	.02000	-.01001
.950	8.669	2.01266	-.04148	.00451	-.00498	-.00955	-.27450	-.29543	646.67180	-.06002	-.02002
.950	9.752	2.00639	-.03989	.00394	-.00545	-.01354	-.27811	-.29974	646.79099	-.01000	-.04004
.950	10.837	1.99851	-.03801	.00355	-.00535	-.01851	-.28634	-.30879	646.58328	-.02001	-.01001
.950	11.913	1.98769	-.03471	.00335	-.00558	-.02559	-.29864	-.32078	646.81413	.01000	.02003
.950	13.028	1.98786	-.03703	.00144	-.00537	-.03677	-.30908	-.34014	646.58328	-.01000	.00000
.950	14.091	1.98616	-.03766	-.00063	-.00392	-.04384	-.32179	-.35146	646.68336	.00000	.02003
.950	15.193	1.97891	-.03759	-.00151	-.00347	-.05035	-.32541	-.36632	647.20219	-.03001	.00000
.950	17.380	1.93850	-.03073	.00193	-.00697	-.05062	-.36689	-.39864	647.16002	.06000	.05007
.950	19.592	1.92403	-.02516	-.00362	-.00763	-.04505	-.38392	-.43158	646.70247	.01000	-.02002
.950	GRADIENT	-.00001	.00015	-.00009	-.00042	-.00929	.00245	.00356	.01225	.00558	-.00079

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 416

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 149/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLB	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-4.113	2.03234	-.04587	.00587	-.00239	.10292	-.37347	-.38761	659.11653	-.03000	.01001
.980	-2.279	2.03749	-.04652	.00565	-.00387	.08090	-.36049	-.37587	659.10138	.00000	-.03002
.980	-1.164	2.03914	-.04546	.00511	-.00465	.06930	-.35580	-.37037	659.20834	-.02000	.00000
.980	-.063	2.04009	-.04458	.00461	-.00532	.05907	-.35163	-.36456	659.20834	.02000	.00000
.980	1.026	2.04041	-.04492	.00454	-.00609	.04917	-.34988	-.36163	659.08623	.00000	-.02002
.980	2.141	2.03954	-.04448	.00430	-.00603	.03800	-.34870	-.35951	658.99440	.00000	-.01001
.980	3.242	2.03683	-.04343	.00418	-.00620	.02752	-.34765	-.35881	659.20788	.01000	.00000
.980	4.342	2.03276	-.04258	.00431	-.00580	.01786	-.34724	-.35900	659.02468	.02000	.01001
.980	5.427	2.02856	-.04276	.00466	-.00559	.00896	-.35124	-.36109	658.88741	.02000	.01001
.980	6.527	2.02315	-.04404	.00555	-.00551	.00124	-.35394	-.36413	658.93282	.01000	-.03002
.980	7.616	2.01652	-.04418	.00618	-.00516	-.00422	-.36112	-.37270	658.94847	-.01000	.00000
.980	8.716	2.00944	-.04326	.00631	-.00543	-.01371	-.36805	-.38067	658.90254	.01000	-.03002
.980	9.809	2.00138	-.03983	.00557	-.00567	-.01913	-.37863	-.39264	658.67337	.02000	.00000
.980	10.913	1.99192	-.03653	.00509	-.00606	-.02535	-.39106	-.41130	658.91768	.02000	.02003
.979	12.009	1.98113	-.03438	.00524	-.00664	-.03306	-.40622	-.43079	658.84092	.00000	-.02002
.981	13.099	1.97427	-.03383	.00457	-.00666	-.04033	-.42489	-.45064	659.71225	.00000	.02003
.980	14.204	1.96618	-.03542	.00480	-.00523	-.04317	-.43580	-.46167	658.71932	-.02000	.00000
.980	15.306	1.96803	-.03877	.00233	-.00426	-.04633	-.44794	-.46898	658.99531	.02000	.03004
.981	17.494	1.94783	-.03767	.00136	-.00539	-.05230	-.46029	-.48743	659.71225	.00000	-.03002
.979	19.684	1.92665	-.02698	-.00390	-.00635	-.06189	-.46715	-.52496	658.74773	.01000	-.01001
GRADIENT		.00008	.00041	-.00021	-.00042	-.00992	.00286	.00336	-.00837	.00462	.00078

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TABULATED SOURCE DATA - LA62

PAGE 417

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375 0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 145/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-4.108	2.03697	-.04220	.00395	-.00243	.10799	-.35618	-.36719	707.87916	.01000	.03004
1.120	-2.252	2.04028	-.04145	.00377	-.00435	.08591	-.35581	-.36815	707.95542	.01000	.01001
1.121	-1.144	2.04181	-.04145	.00367	-.00521	.06996	-.35510	-.36810	708.16406	.01000	.00000
1.121	-.049	2.04243	-.04021	.00314	-.00525	.05355	-.35592	-.36847	708.01382	.02000	-.01001
1.120	1.073	2.04466	-.04050	.00250	-.00534	.03743	-.35507	-.36708	707.66604	.02000	-.03002
1.120	2.167	2.04296	-.03850	.00192	-.00533	.02245	-.35764	-.36997	707.91050	.02000	-.01001
1.120	3.266	2.04224	-.03828	.00151	-.00457	.00954	-.36072	-.37469	707.84780	-.02000	-.04003
1.120	4.373	2.03902	-.03733	.00132	-.00447	-.00148	-.36391	-.37721	707.86556	-.02000	-.01001
1.120	5.454	2.03429	-.03574	.00113	-.00435	-.01184	-.36762	-.38045	707.78930	-.06001	-.04003
1.121	6.564	2.02925	-.03538	.00125	-.00381	-.02050	-.37089	-.38404	707.90837	-.03000	-.05004
1.120	7.648	2.02293	-.03346	.00096	-.00470	-.02550	-.37311	-.38548	707.74435	-.04001	-.06005
1.120	8.757	2.01659	-.03345	.00116	-.00530	-.03022	-.37592	-.38794	707.56250	-.04001	-.05004
1.120	9.857	2.00846	-.03235	.00127	-.00450	-.03417	-.37960	-.38918	707.84780	-.05001	-.03002
1.120	10.946	2.00149	-.03271	.00140	-.00538	-.03891	-.38488	-.39587	707.63876	-.03000	-.05004
1.120	12.076	1.99414	-.03344	.00148	-.00580	-.04226	-.39344	-.40771	707.74435	-.07001	-.03002
1.120	13.171	1.98663	-.03717	.00261	-.00479	-.04790	-.40308	-.41663	707.92616	-.05001	.04006
1.120	14.275	1.97930	-.04027	.00319	-.00202	-.05775	-.41584	-.41972	707.82061	-.01000	-.01001
1.120	15.391	1.97113	-.03980	.00242	-.00005	-.06412	-.42657	-.43781	707.88122	-.07001	-.09007
1.119	17.586	1.95318	-.03655	-.00009	-.00242	-.07157	-.44921	-.46279	707.41678	-.05001	-.05004
1.120	19.769	1.93285	-.03621	-.00161	-.00245	-.07469	-.46787	-.48279	708.14129	-.03000	-.09007
	GRADIENT	.00034	.00059	-.00036	-.00018	-.01333	-.00084	-.00106	-.01632	-.00321	-.00607

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TABULATED SOURCE DATA - LA62

PAGE 418

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3031) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 134/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CPI	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.991	2.03889	-.04444	.00472	-.00343	.10167	-.35355	-.37166	730.25500	.00000	.02003
1.201	-2.232	2.04389	-.04450	.00430	-.00409	.07451	-.35409	-.36741	730.47134	.00000	.00000
1.202	-1.132	2.04617	-.04458	.00402	-.00436	.05802	-.35560	-.36427	730.48986	.03000	-.05004
1.201	-.037	2.04692	-.04299	.00332	-.00415	.04322	-.35822	-.36516	730.09214	.04000	-.08006
1.200	1.061	2.04772	-.04258	.00285	-.00401	.02823	-.35457	-.35681	730.14462	.04999	-.08006
1.200	2.162	2.04806	-.04198	.00222	-.00378	.01442	-.35379	-.35604	730.12331	.02000	-.08006
1.200	3.268	2.04553	-.04012	.00169	-.00365	.00187	-.35554	-.36153	730.02254	-.04001	-.06005
1.200	4.351	2.04263	-.03929	.00147	-.00325	-.00839	-.35770	-.36294	730.09424	-.05001	-.07005
1.201	5.439	2.03815	-.03732	.00105	-.00322	-.01855	-.36105	-.36327	730.28796	-.08001	-.08006
1.200	6.551	2.03300	-.03733	.00133	-.00295	-.02816	-.36579	-.36713	730.05934	-.12002	-.08006
1.200	7.644	2.02674	-.03503	.00086	-.00397	-.03702	-.37220	-.38079	730.27635	-.05001	-.09007
1.200	8.749	2.02001	-.03389	.00074	-.00556	-.04205	-.37384	-.38436	730.28221	-.04001	-.05004
1.200	9.853	2.01248	-.03252	.00055	-.00579	-.04758	-.37900	-.39175	730.00122	-.05001	-.07005
1.200	10.968	2.00537	-.03341	.00086	-.00518	-.05197	-.38245	-.39347	729.87911	-.10001	-.08006
1.200	12.067	1.99787	-.03252	.00044	-.00526	-.05752	-.38924	-.40097	730.17555	-.11001	-.11008
1.200	13.164	1.99070	-.03429	.00073	-.00459	-.06342	-.40082	-.41090	730.32674	-.11001	-.16012
1.200	14.290	1.98396	-.03628	.00068	-.00321	-.07160	-.41182	-.41981	730.18918	.02000	.01001
1.200	15.376	1.97525	-.03591	.00019	-.00270	-.07622	-.41859	-.42719	729.97395	.02000	-.04003
1.200	17.585	1.95657	-.03331	-.00186	-.00290	-.08592	-.43702	-.44693	730.49150	-.04001	-.08006
1.200	19.786	1.93411	-.02990	-.00396	-.00368	-.08844	-.45294	-.46857	730.29575	-.09001	-.12009
	GRADIENT	.00047	.00067	-.00043	.00005	-.01326	-.00029	.00112	-.04373	-.00551	-.01081

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TABULATED SOURCE DATA - LA62

PAGE 419

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3032) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 2.500 AILRON = .000

RUN NO. 169/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.745	2.02196	-.04290	.00478	-.00134	.01030	-.23573	-.27556	462.40404	2.50969	2.50313
.600	-2.089	2.02580	-.04377	.00472	-.00218	.00897	-.23549	-.27587	461.90100	2.51969	2.51314
.600	-1.076	2.02794	-.04480	.00461	-.00209	.00847	-.23549	-.27587	461.90265	2.50969	2.51314
.601	.034	2.02897	-.04455	.00424	-.00261	.00769	-.23394	-.27207	462.56674	2.50969	2.53317
.600	1.042	2.02819	-.04388	.00417	-.00302	.00684	-.23293	-.26973	462.23966	2.51969	2.54318
.600	2.108	2.02901	-.04544	.00395	-.00299	.00537	-.23263	-.26978	462.15336	2.51969	2.52315
.601	3.179	2.02738	-.04486	.00370	-.00353	.00419	-.23087	-.26594	462.90530	2.52968	2.52315
.600	4.249	2.02392	-.04399	.00376	-.00389	.00305	-.23180	-.26565	461.14705	2.51969	2.51314
.600	5.275	2.02103	-.04391	.00369	-.00407	.00173	-.22788	-.26101	461.82618	2.51969	2.51314
.600	6.337	2.01645	-.04281	.00362	-.00444	.00077	-.22740	-.25866	462.06870	2.50969	2.53317
.601	7.403	2.01124	-.04195	.00361	-.00470	-.00039	-.22489	-.25563	462.31445	2.49969	2.51314
.601	8.470	2.00455	-.03938	.00329	-.00515	-.00205	-.22264	-.25406	462.40404	2.48969	2.50313
.600	9.524	1.99924	-.03987	.00324	-.00577	-.00266	-.22319	-.25667	461.98732	2.46969	2.49312
.600	10.624	1.99117	-.03768	.00298	-.00625	-.00202	-.22515	-.25827	462.14842	2.47969	2.49312
.600	11.688	1.98432	-.03759	.00274	-.00663	-.00127	-.22762	-.26382	461.65190	2.47969	2.48310
.600	12.747	1.97431	-.03713	.00351	-.00616	-.00345	-.23354	-.27072	461.73494	2.47969	2.47309
.600	13.790	1.96438	-.04369	.00666	-.00059	-.00770	-.24281	-.27689	461.90100	2.48969	2.42303
.600	14.871	1.95670	-.04004	.00449	-.00023	-.01375	-.24986	-.28288	462.07363	2.46969	2.45307
.599	16.988	1.93574	-.03248	.00179	-.00621	-.01733	-.26603	-.30452	460.64534	2.44969	2.41302
.600	19.154	1.91232	-.03362	.00211	-.00825	-.02884	-.28527	-.32991	461.23501	2.46969	2.44305
	GRADIENT	.00030	-.00016	-.00015	-.00030	-.00091	.00064	.00148	-.03726	.00173	.00184

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TABULATED SOURCE DATA - LA62

PAGE 420

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 168/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.742	2.02137	-.04317	.00512	-.00117	-.01288	-.24312	-.28349	461.64862	4.98938	5.03630
.601	-2.107	2.02645	-.04591	.00525	-.00208	-.01400	-.24202	-.28131	462.40074	5.00937	5.01627
.600	-1.017	2.02715	-.04492	.00501	-.00220	-.01457	-.24236	-.28088	461.48090	4.98938	5.02628
.600	.005	2.02980	-.04686	.00472	-.00232	-.01551	-.24103	-.27859	461.72838	4.97938	5.01627
.600	1.066	2.03002	-.04730	.00466	-.00263	-.01639	-.24007	-.27837	462.23473	5.02937	5.00626
.600	2.131	2.02936	-.04638	.00412	-.00259	-.01719	-.24027	-.27777	461.56230	5.02937	5.02628
.600	3.183	2.02697	-.04593	.00423	-.00300	-.01872	-.23921	-.27539	461.31971	5.00937	5.04631
.600	4.285	2.02389	-.04471	.00403	-.00351	-.01979	-.23730	-.27273	462.32103	4.97938	5.03630
.600	5.317	2.02084	-.04462	.00398	-.00366	-.02129	-.23745	-.27224	461.73166	5.01937	5.02628
.600	6.417	2.01640	-.04457	.00416	-.00404	-.02261	-.23448	-.26760	461.56722	4.97938	5.03630
.600	7.441	2.01105	-.04272	.00390	-.00437	-.02370	-.23102	-.26463	461.98567	4.98938	5.04631
.601	8.506	2.00553	-.04249	.00396	-.00459	-.02550	-.22893	-.26472	462.40404	4.97938	5.02628
.600	9.572	1.99864	-.04079	.00371	-.00509	-.02556	-.22869	-.26298	461.23028	4.95938	5.01627
.600	10.630	1.99165	-.03923	.00333	-.00540	-.02487	-.22936	-.26146	461.90100	4.95938	5.02628
.600	11.699	1.98361	-.03705	.00283	-.00509	-.02477	-.23064	-.26035	462.07363	4.92938	4.99625
.600	12.775	1.97387	-.03940	.00447	-.00414	-.02790	-.23443	-.26263	461.65354	4.94938	5.01627
.600	13.821	1.96508	-.04575	.00702	.00291	-.03257	-.24411	-.27002	462.32268	4.94938	4.97622
.599	14.899	1.95750	-.04269	.00499	.00226	-.03847	-.25150	-.27831	460.98581	4.97938	4.96621
.600	17.351	1.93652	-.03412	.00179	-.00620	-.04214	-.26958	-.29711	461.81797	4.93938	5.04631
.600	19.188	1.91284	-.03569	.00247	-.00727	-.05465	-.29289	-.32731	461.31971	5.00937	5.01627
GRADIENT		.00034	-.00019	-.00016	-.00024	-.00086	.00056	.00123	.00279	.00114	.00133

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TABULATED SOURCE DATA - LA62

PAGE 421

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 158/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R	
.901	-3.997	2.03201	-.04959	.00687	-.00369	.01626	-.27706	-.30421	625.98596	4.99000	4.99687
.900	-2.256	2.03595	-.05083	.00715	-.00391	.00773	-.27041	-.29623	625.67070	5.02000	4.99687
.901	-1.160	2.03736	-.05080	.00706	-.00438	.00222	-.26566	-.29249	625.92658	5.01000	4.99687
.901	-.065	2.03971	-.05236	.00703	-.00499	-.00312	-.26268	-.28877	626.13218	5.04000	5.01690
.900	1.032	2.03995	-.05266	.00696	-.00529	-.00794	-.25942	-.28466	625.80779	5.03000	5.02691
.900	2.121	2.03900	-.05300	.00705	-.00411	-.01199	-.25626	-.28076	625.86719	4.98000	5.02691
.901	3.228	2.03782	-.05310	.00688	-.00412	-.01574	-.25105	-.27782	626.00427	4.99000	5.02691
.900	4.304	2.03411	-.05101	.00647	-.00442	-.01880	-.24886	-.27592	625.50157	5.01000	5.02691
.900	5.401	2.03145	-.05205	.00665	-.00413	-.02271	-.24855	-.27697	625.67070	4.98000	5.01690
.900	6.473	2.02705	-.05084	.00634	-.00316	-.02617	-.24912	-.27654	625.50157	5.01000	5.02691
.900	7.542	2.02336	-.04678	.00449	-.00517	-.02846	-.25047	-.27702	625.56100	4.98000	5.00688
.900	8.624	2.01857	-.04509	.00364	-.00411	-.03056	-.25660	-.27837	625.32323	4.99000	5.00688
.900	9.718	2.01121	-.04180	.00278	-.00505	-.03611	-.26162	-.27909	625.67070	5.01000	4.97684
.901	10.813	2.00383	-.03866	.00174	-.00576	-.04152	-.26889	-.28657	626.00427	4.98000	5.00688
.900	11.883	1.99711	-.03747	.00104	-.00424	-.04789	-.27909	-.29473	625.94488	5.04000	4.95682
.901	12.968	1.99050	-.03578	-.00016	-.00372	-.05590	-.28811	-.30233	626.26923	4.99000	5.00688
.901	14.055	1.98365	-.03578	-.00089	-.00335	-.06363	-.29762	-.31480	626.06365	5.01000	5.01690
.901	15.160	1.97702	-.03723	-.00144	-.00258	-.06971	-.30547	-.32599	626.19155	5.04000	4.98686
.901	17.329	1.95839	-.03693	-.00259	-.00374	-.07694	-.32464	-.35358	626.02702	4.99000	5.04694
.901	19.501	1.93631	-.03215	-.00524	-.00427	-.07391	-.34795	-.38340	626.13218	5.02000	5.01690
	GRADIENT	.00035	-.00030	-.00004	-.00006	-.00427	.00341	.00343	-.02325	-.00086	.00474

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TABULATED SOURCE DATA - LA62

PAGE 422

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3033) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 136/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.964	2.04071	-.04481	.00437	-.00348	.06426	-.37190	-.38361	730.17941	5.09936	5.08699
1.201	-2.206	2.04400	-.04380	.00402	-.00378	.03911	-.36900	-.38050	730.37305	5.09936	5.03693
1.201	-1.116	2.04553	-.04314	.00366	-.00381	.02359	-.36700	-.37851	730.41555	5.09936	4.98686
1.201	-.017	2.04689	-.04229	.00307	-.00391	.00895	-.36561	-.37691	730.36520	4.91939	4.94680
1.201	1.088	2.04839	-.04221	.00252	-.00359	-.00434	-.36442	-.37465	730.52169	4.98938	4.89673
1.202	2.174	2.04710	-.04069	.00200	-.00376	-.01733	-.36308	-.37268	730.46342	4.92938	4.89673
1.202	3.290	2.04557	-.03969	.00151	-.00358	-.02914	-.36409	-.37465	730.43428	4.81940	4.87671
1.201	4.367	2.04076	-.03713	.00116	-.00338	-.03960	-.36661	-.37963	730.44221	4.84939	4.88672
1.202	5.469	2.03728	-.03698	.00114	-.00326	-.05039	-.36897	-.37329	730.49255	5.00937	4.88672
1.202	6.569	2.03184	-.03592	.00110	-.00306	-.06208	-.37666	-.37655	730.53495	5.00937	5.04694
1.202	7.670	2.02548	-.03461	.00103	-.00458	-.07023	-.38363	-.38167	730.51375	4.94938	4.95682
1.200	8.770	2.01809	-.03279	.00082	-.00604	-.07596	-.38747	-.38367	729.83642	4.99938	4.98686
1.199	9.896	2.01126	-.03215	.00067	-.00635	-.08227	-.38997	-.38584	729.83804	5.05937	5.10702
1.200	11.004	2.00421	-.03296	.00095	-.00535	-.08771	-.39412	-.39051	730.02435	5.03937	5.06697
1.200	12.076	1.99708	-.03171	.00034	-.00567	-.09278	-.40209	-.40294	730.30540	4.98938	5.03693
1.201	13.209	1.99018	-.03444	.00083	-.00432	-.10044	-.41148	-.41733	730.33052	4.95938	4.95682
1.201	14.298	1.98392	-.03543	.00036	-.00334	-.10758	-.42126	-.43339	730.38088	4.91939	4.94680
1.201	15.421	1.97508	-.03483	-.00028	-.00332	-.11288	-.42800	-.44331	730.17941	4.93938	4.94680
1.200	17.634	1.95569	-.03258	-.00203	-.00329	-.12340	-.44090	-.45571	730.72210	4.93938	4.94680
1.200	19.804	1.93424	-.02904	-.00440	-.00409	-.12763	-.46191	-.48189	730.13879	4.91939	4.99687
	GRADIENT	.00019	.00084	-.00042	.00002	-.01249	.00079	.00082	.02655	-.03663	-.02632

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TABULATED SOURCE DATA - LA62

PAGE 423

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPD8RK = 25.000
 RUDDER = .000 BDCLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 167/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.697	2.02116	-.04228	.00493	-.00236	-.04679	-.25550	-.30293	461.73822	10.03875	10.08260
.600	-2.067	2.02455	-.04346	.00516	-.00271	-.04744	-.25348	-.30055	461.98239	10.02875	10.07259
.600	-1.011	2.02739	-.04499	.00494	-.00290	-.04853	-.25200	-.29925	461.90429	10.02875	10.07259
.600	.065	2.02836	-.04526	.00476	-.00326	-.04939	-.25076	-.29666	461.98403	10.00875	10.08260
.600	1.102	2.02919	-.04584	.00446	-.00320	-.04999	-.24908	-.29446	462.23802	9.99875	10.08260
.600	2.159	2.02848	-.04578	.00428	-.00341	-.05109	-.24794	-.29180	462.15665	9.99875	10.08260
.600	3.220	2.02636	-.04475	.00403	-.00357	-.05188	-.24609	-.28948	461.81797	9.97875	10.08260
.600	4.288	2.02421	-.04498	.00398	-.00378	-.05360	-.24477	-.28597	461.73494	9.99875	10.06258
.600	5.352	2.02009	-.04412	.00408	-.00375	-.05579	-.24228	-.28057	462.23473	9.99875	10.07259
.601	6.415	2.01728	-.04552	.00416	-.00399	-.05808	-.23998	-.27539	462.40569	9.97875	10.01252
.600	7.498	2.01029	-.04252	.00402	-.00410	-.06103	-.23926	-.27391	461.23501	9.99875	10.01252
.600	8.550	2.00549	-.04296	.00403	-.00408	-.06499	-.23809	-.27168	461.81797	10.00875	9.98248
.600	9.621	1.99786	-.04061	.00389	-.00426	-.06726	-.23883	-.27324	462.32103	9.99875	10.00250
.600	10.715	1.99091	-.03987	.00365	-.00463	-.06913	-.24132	-.27829	461.81633	9.98875	9.98248
.600	11.826	1.98303	-.03913	.00347	-.00507	-.07111	-.24434	-.28434	461.90100	9.98875	10.02253
.600	12.846	1.97233	-.04682	.00771	.00176	-.07298	-.25250	-.29507	461.31971	9.98875	9.99249
.601	13.877	1.96561	-.04653	.00686	.00384	-.07859	-.26038	-.30213	462.39910	9.92876	9.95244
.601	14.956	1.95658	-.04307	.00535	.00263	-.08362	-.26667	-.30890	462.40569	9.95876	10.00250
.600	17.078	1.93483	-.03349	.00221	-.00684	-.08553	-.26956	-.33764	462.23966	10.01875	9.95244
.599	19.229	1.91145	-.03558	.00283	-.00720	-.09595	-.31477	-.36630	460.73495	10.04874	9.83229
GRADIENT		.00041	-.00032	-.00015	-.00017	-.00084	.00135	.00213	.00393	-.00678	-.00067

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 424

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 164/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.820	2.02808	-.04616	.00491	-.00273	-.04203	-.25554	-.29932	522.84691	9.54000	10.00376
.700	-2.127	2.03225	-.04652	.00464	-.00262	-.04388	-.25387	-.29808	523.15677	10.01000	9.97371
.700	-1.071	2.03398	-.04622	.00426	-.00292	-.04486	-.25113	-.29549	523.23667	10.00000	9.97371
.701	.009	2.03572	-.04819	.00449	-.00315	-.04605	-.24958	-.29167	523.62307	10.00000	9.98373
.701	1.067	2.03489	-.04671	.00410	-.00335	-.04793	-.24741	-.28773	523.46332	10.00000	10.01377
.701	2.131	2.03480	-.04670	.00374	-.00364	-.04977	-.24511	-.28454	523.54319	9.99000	10.01377
.701	3.213	2.03254	-.04607	.00368	-.00379	-.05182	-.24290	-.27935	523.46657	9.98000	10.03380
.701	4.287	2.02920	-.04478	.00351	-.00419	-.05417	-.24117	-.27450	523.31006	10.01000	10.03378
.701	5.358	2.02702	-.04585	.00352	-.00403	-.05693	-.23937	-.27047	523.31006	10.00000	10.02378
.701	6.434	2.02236	-.04538	.00363	-.00423	-.06026	-.23543	-.26384	523.39319	9.98000	9.99374
.700	7.504	2.01648	-.04357	.00341	-.00453	-.06599	-.23633	-.26300	522.44733	9.99000	9.99374
.700	8.587	2.01092	-.04332	.00342	-.00480	-.07117	-.23595	-.26422	523.23667	9.98000	9.98373
.701	9.682	2.00462	-.04261	.00320	-.00390	-.07576	-.23711	-.26656	523.63283	9.98000	10.01377
.700	10.742	1.99669	-.04472	.00449	-.00023	-.07642	-.24095	-.27519	523.16327	10.00000	9.97371
.701	11.796	1.98985	-.04688	.00513	.00498	-.07603	-.24699	-.28523	523.39319	10.01000	9.99374
.700	12.861	1.98191	-.04458	.00421	.00226	-.07686	-.25473	-.29549	523.24641	10.00000	9.97371
.700	13.954	1.97406	-.04281	.00309	-.00036	-.07968	-.26480	-.30805	523.23991	10.01000	10.01377
.701	15.026	1.96572	-.04190	.00229	-.00033	-.08485	-.27622	-.31863	523.77629	10.01000	9.96370
.700	17.178	1.94450	-.03853	.00100	-.00437	-.09321	-.30231	-.34647	522.85015	9.99000	10.01377
.701	19.363	1.92180	-.03940	.00069	-.00611	-.09634	-.33213	-.37747	523.23017	10.01000	10.01377
	GRADIENT	.00016	.00012	-.00018	-.00019	-.00149	.00186	.00319	.06164	.00373	.00595

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 425

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 142/ 0

RN/L = 3.50

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.937	2.02876	-.04575	.00560	-.00256	-.03043	-.26169	-.29738	577.49112	10.01875	10.01377
.800	-2.116	2.03346	-.04699	.00562	-.00330	-.03518	-.25731	-.29358	577.21676	10.00875	10.03380
.800	-1.049	2.03668	-.04804	.00525	-.00357	-.03725	-.25582	-.29198	576.88154	10.00875	10.02378
.800	.034	2.03667	-.04692	.00495	-.00345	-.03953	-.25197	-.28597	576.95488	10.00875	10.02378
.800	1.114	2.03697	-.04703	.00476	-.00412	-.04276	-.24829	-.28012	577.29637	10.01875	10.02378
.800	2.181	2.03717	-.04776	.00458	-.00453	-.04652	-.24608	-.27590	577.02822	10.00875	10.02378
.800	3.266	2.03453	-.04597	.00418	-.00498	-.05040	-.24230	-.26957	576.94231	10.01875	10.03380
.800	4.363	2.03189	-.04567	.00409	-.00551	-.05501	-.23933	-.26402	577.22934	10.00875	10.03380
.800	5.439	2.02773	-.04495	.00413	-.00534	-.05997	-.23707	-.26163	577.43041	10.01875	10.04381
.800	6.536	2.02327	-.04592	.00463	-.00410	-.06615	-.23684	-.26087	576.96116	10.00875	10.03380
.800	7.616	2.01887	-.04623	.00464	-.00222	-.07093	-.23768	-.26197	577.24821	9.99875	10.04381
.800	8.682	2.01312	-.04443	.00409	-.00264	-.07220	-.23952	-.26366	577.43671	9.95876	9.95369
.800	9.765	2.00589	-.04146	.00334	-.00361	-.07118	-.24301	-.26985	577.22305	9.96875	9.98373
.801	10.834	1.99907	-.04032	.00294	-.00488	-.06993	-.24837	-.27747	577.77172	10.00875	10.01377
.800	11.913	1.99209	-.04077	.00290	-.00359	-.07206	-.25463	-.29171	577.44301	10.00875	9.97371
.800	12.992	1.98404	-.04021	.00261	-.00254	-.07697	-.26525	-.30540	577.44301	9.99875	10.01377
.801	14.077	1.97701	-.04062	.00205	-.00116	-.08523	-.27891	-.32048	577.64403	9.99875	9.91363
.801	15.178	1.96752	-.04028	.00178	-.00124	-.10031	-.29276	-.33304	577.71734	9.95876	10.01377
.801	17.354	1.94761	-.04067	.00131	-.00376	-.10831	-.31800	-.35716	578.39964	10.01875	10.00376
.801	19.495	1.92809	-.04044	-.00048	-.00184	-.09809	-.34255	-.38557	577.99790	10.00875	10.01377
GRADIENT		.00036	.00005	-.00021	-.00034	-.00290	.00275	.00421	-.02853	-.00018	.00155

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 426

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 157/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.971	2.03192	-.04788	.00626	-.00346	-.00115	-.28129	-.30893	625.79865	9.97000	10.00376
.901	-2.230	2.03566	-.04954	.00677	-.00411	-.01303	-.27545	-.30161	625.93573	9.99000	10.02378
.900	-1.130	2.03812	-.05036	.00665	-.00463	-.01935	-.27286	-.29754	625.81694	10.00000	10.03380
.900	-.036	2.03958	-.05049	.00636	-.00526	-.02641	-.27059	-.29404	625.54273	10.01000	10.00376
.901	1.049	2.03896	-.04967	.00614	-.00533	-.03408	-.26667	-.28875	625.61129	9.99000	10.02378
.901	2.158	2.03985	-.05151	.00620	-.00555	-.04370	-.26279	-.28300	626.17323	9.99000	10.01377
.900	3.253	2.03680	-.04984	.00594	-.00552	-.05137	-.26091	-.28066	625.25465	9.99000	10.01377
.901	4.349	2.03351	-.04953	.00607	-.00517	-.05860	-.25756	-.27730	626.05449	9.99000	9.99374
.901	5.425	2.03103	-.04882	.00554	-.00402	-.06411	-.25594	-.27444	626.02257	9.98000	10.02378
.900	6.515	2.02715	-.04612	.00448	-.00361	-.07154	-.25748	-.27559	625.95403	9.97000	9.96370
.900	7.606	2.02417	-.04418	.00315	-.00378	-.07908	-.26277	-.28199	625.62042	9.99000	10.00376
.900	8.695	2.01702	-.04117	.00255	-.00416	-.08341	-.26811	-.28856	625.75753	10.00000	9.99374
.900	9.779	2.01075	-.03862	.00161	-.00443	-.09016	-.27405	-.29547	625.69811	9.99000	10.01377
.901	10.868	2.00353	-.03685	.00102	-.00592	-.09467	-.28268	-.30570	625.50157	9.98000	9.99374
.901	11.949	1.99846	-.03934	.00114	-.00409	-.10208	-.29251	-.31971	625.99512	9.97000	9.96370
.901	13.036	1.99096	-.03728	.00008	-.00373	-.11055	-.30318	-.33120	626.26923	9.99000	10.00376
.900	14.129	1.98304	-.03607	-.00080	-.00279	-.11861	-.31445	-.34445	625.57013	10.00000	10.02378
.901	15.226	1.97605	-.03656	-.00158	-.00320	-.12336	-.32377	-.35521	626.01342	9.98000	9.99374
.900	17.395	1.95788	-.03952	-.00169	-.00363	-.12848	-.35015	-.38952	625.32323	9.99000	10.05382
.901	19.558	1.93687	-.03303	-.00533	-.00357	-.12183	-.37311	-.41194	626.26923	10.02000	10.03380
	GRADIENT	.00027	-.00018	-.00007	-.00023	-.00699	.00283	.00389	-.00494	.00113	-.00146

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 427

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 156/ 0

RN/L = 3.50

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-4.000	2.03210	-.04704	.00602	-.00277	.01309	-.28740	-.31415	634.03525	10.07000	10.03380
.920	-2.248	2.03708	-.04799	.00588	-.00414	-.00510	-.28469	-.30922	633.99690	10.05000	10.06384
.920	-1.154	2.03845	-.04631	.00518	-.00422	-.01540	-.28142	-.30399	634.36536	10.04000	10.04381
.920	-.036	2.04047	-.04643	.00471	-.00480	-.02506	-.27825	-.29823	634.24944	10.01000	9.99374
.920	1.050	2.03945	-.04519	.00446	-.00530	-.03700	-.27609	-.29424	634.08402	10.02000	9.99374
.920	2.143	2.03892	-.04418	.00390	-.00539	-.04764	-.27371	-.29027	634.14237	10.02000	10.02378
.920	3.255	2.03802	-.04432	.00365	-.00542	-.05704	-.27016	-.28586	634.31736	10.02000	10.00376
.920	4.351	2.03382	-.04487	.00436	-.00542	-.06479	-.26703	-.28362	633.83140	10.03000	10.00376
.920	5.433	2.03131	-.04661	.00477	-.00470	-.07249	-.26931	-.28761	634.00649	10.01000	9.98373
.920	6.531	2.02775	-.04731	.00487	-.00408	-.07836	-.27295	-.29137	633.89935	9.97000	9.98373
.920	7.609	2.02203	-.04351	.00376	-.00418	-.08410	-.27709	-.29745	634.08402	9.97000	10.00376
.920	8.701	2.01918	-.04125	.00205	-.00464	-.08825	-.28037	-.30245	634.21030	9.97000	9.98373
.920	9.796	2.01253	-.04142	.00223	-.00445	-.09583	-.28632	-.31641	633.94813	9.96000	9.98373
.920	10.886	2.00418	-.03763	.00125	-.00563	-.10317	-.29506	-.32497	634.10320	9.97000	9.98373
.920	11.974	1.99827	-.03861	.00105	-.00491	-.11113	-.30359	-.33283	634.40449	10.01000	10.03380
.919	13.053	1.99089	-.03646	-.00009	-.00402	-.11809	-.31590	-.34291	633.59783	10.00000	10.00376
.920	14.149	1.98560	-.03767	-.00089	-.00309	-.12609	-.32467	-.35407	634.37567	10.05000	10.05382
.920	15.230	1.97695	-.03649	-.00172	-.00320	-.13175	-.33661	-.36670	634.09402	10.00000	9.99374
.920	16.337	1.96855	-.03791	-.00196	-.00325	-.13639	-.34947	-.38234	634.14237	9.97000	9.99374
.920	17.425	1.95937	-.03721	-.00292	-.00370	-.14081	-.36261	-.40061	634.14237	10.02000	9.97371
.920	19.589	1.93880	-.03228	-.00615	-.00398	-.13355	-.39167	-.42743	634.45320	10.02000	9.97371
GRADIENT		.00023	.00042	-.00028	-.00031	-.00944	.00247	.00387	-.00536	-.00514	-.00575

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 428

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 152/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.951	-4.010	2.03297	-.04497	.00520	-.00191	.01026	-.32878	-.35706	647.12101	10.03000	9.98373
.951	-2.253	2.03766	-.04542	.00497	-.00300	-.01021	-.32180	-.34262	647.22846	10.02000	10.02378
.951	-1.157	2.03870	-.04410	.00451	-.00378	-.02263	-.31903	-.33732	647.18635	10.04000	10.03380
.951	-.047	2.03980	-.04433	.00439	-.00487	-.03324	-.31810	-.33541	647.62038	10.04000	9.99374
.951	1.044	2.04025	-.04437	.00415	-.00530	-.04493	-.31598	-.33259	647.19795	10.03000	10.01377
.950	2.151	2.04033	-.04496	.00400	-.00569	-.05610	-.31375	-.32953	647.02512	10.02000	10.00376
.950	3.244	2.03639	-.04264	.00379	-.00568	-.06855	-.31105	-.32538	647.09047	10.02000	9.98373
.951	4.370	2.03312	-.04238	.00388	-.00583	-.08039	-.30956	-.32583	647.41716	9.97000	10.02378
.951	5.457	2.02901	-.04153	.00381	-.00508	-.09072	-.30929	-.32750	647.20955	9.96000	9.97371
.950	6.560	2.02382	-.04169	.00421	-.00498	-.10198	-.30923	-.32962	647.07887	9.98000	10.02378
.950	7.642	2.01810	-.04135	.00438	-.00502	-.10802	-.30867	-.33209	646.97137	9.99000	10.01377
.950	8.748	2.01216	-.04221	.00482	-.00421	-.11367	-.30967	-.33865	647.16741	9.99000	9.98373
.950	9.837	2.00502	-.03756	.00333	-.00486	-.11773	-.31482	-.34597	646.79847	10.01000	10.01377
.950	10.933	1.99786	-.03687	.00312	-.00455	-.12380	-.32260	-.35480	646.79847	9.99000	9.99374
.950	12.027	1.98822	-.03582	.00333	-.00512	-.13253	-.33062	-.36557	646.79847	9.96000	10.03380
.950	13.107	1.99147	-.03900	.00084	-.00299	-.14400	-.33973	-.37656	647.05990	10.03000	9.98373
.950	14.197	1.98496	-.03882	-.00010	-.00304	-.14822	-.35287	-.39244	646.77941	10.00000	9.99374
.951	15.281	1.97685	-.03593	-.00174	-.00418	-.15314	-.36605	-.40685	647.39395	9.98000	9.98373
.951	17.466	1.95768	-.03730	-.00215	-.00459	-.16124	-.40038	-.44430	647.26328	10.03000	10.01377
.949	19.638	1.93667	-.03028	-.00607	-.00641	-.15655	-.44183	-.48250	646.05630	10.01000	10.05382
	GRADIENT	.00005	.00030	-.00017	-.00049	-.01070	.00215	.00348	.00610	-.00490	.00038

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 429

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 150/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-4.056	2.03181	-.04455	.00558	-.00285	.01590	-.40291	CP2	659.25424	9.98875	10.01377
.980	-2.203	2.03633	-.04348	.00489	-.00343	-.00623	-.38657	-.43436	659.25424	9.99875	10.01377
.980	-1.108	2.03912	-.04423	.00466	-.00450	-.01769	-.38019	-.41798	659.04032	9.98875	10.02378
.980	-.002	2.04042	-.04411	.00433	-.00534	-.02876	-.37885	-.41057	659.14729	9.98875	10.02378
.980	1.101	2.04023	-.04341	.00401	-.00577	-.04022	-.37858	-.40555	658.94896	9.98875	10.02378
.980	2.201	2.03995	-.04303	.00360	-.00578	-.05095	-.37821	-.40208	658.96411	9.97875	10.00376
.980	3.290	2.03765	-.04170	.00323	-.00591	-.06302	-.37773	-.39898	658.81066	9.97875	10.05382
.980	4.405	2.03408	-.04031	.00298	-.00579	-.07508	-.38041	-.39661	658.76526	9.97875	10.05382
.980	5.507	2.02897	-.03833	.00277	-.00521	-.08690	-.38519	-.39785	659.05546	10.01875	10.02378
.980	6.622	2.02320	-.03772	.00303	-.00525	-.09818	-.39193	-.40141	659.22349	10.00875	9.96370
.980	7.709	2.01685	-.03829	.00372	-.00525	-.10842	-.39785	-.40610	658.93282	10.00875	10.01377
.980	8.806	2.00777	-.03740	.00446	-.00592	-.11490	-.40615	-.42275	659.08575	9.98875	9.98373
.979	9.895	2.00027	-.03889	.00540	-.00561	-.12153	-.41491	-.43552	658.68850	9.98875	9.99374
.981	11.012	1.98893	-.03815	.00643	-.00590	-.12932	-.42694	-.45434	659.86466	10.02875	9.97371
.980	12.100	1.97973	-.03818	.00691	-.00569	-.13678	-.44551	-.46917	659.26981	10.00875	10.02378
.980	13.183	1.97087	-.03854	.00720	-.00513	-.14248	-.45442	-.47197	659.63527	9.97875	9.99374
.980	14.295	1.96205	-.03879	.00713	-.00484	-.14751	-.46816	-.48591	658.97926	9.99875	10.05382
.980	15.386	1.95308	-.03818	.00662	-.00540	-.15166	-.47604	-.49635	659.52832	9.98875	10.02378
.980	17.585	1.94502	-.03747	.00186	-.00551	-.15396	-.48863	-.52325	659.40621	9.83877	10.02378
.980	19.766	1.92444	-.03230	-.00148	-.00495	-.15972	-.49597	-.54657	659.57463	9.97875	10.01377
GRADIENT		.00031	.00043	-.00031	-.00039	-.01058	.00226	.00420	-.06143	-.00196	.00421

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 430

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.6900 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 146/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-4.057	2.03607	-.04077	.00371	-.00314	.02984	-.40535	-.41646	708.04522	9.97875	10.04381
1.121	-2.202	2.04058	-.04111	.00358	-.00447	.00721	-.39508	-.40778	708.09009	9.99875	10.02378
1.120	-1.105	2.04192	-.04083	.00340	-.00477	-.00809	-.38945	-.40396	707.84990	9.98875	10.02378
1.120	.008	2.04451	-.04134	.00297	-.00460	-.02444	-.38548	-.40111	707.74231	9.97875	10.03380
1.121	1.114	2.04450	-.03967	.00223	-.00452	-.04017	-.37964	-.39706	708.09009	9.98875	10.01377
1.120	2.218	2.04399	-.03835	.00155	-.00422	-.05521	-.37871	-.39649	707.59376	9.95876	10.01377
1.121	3.318	2.04131	-.03672	.00116	-.00404	-.06902	-.37741	-.39506	708.07438	9.96875	9.98373
1.120	4.419	2.03780	-.03507	.00077	-.00367	-.08071	-.38018	-.39828	707.50187	9.95876	9.98373
1.120	5.520	2.03418	-.03472	.00071	-.00375	-.09133	-.38282	-.39957	707.66809	9.94876	9.95369
1.120	6.620	2.02913	-.03373	.00059	-.00375	-.10209	-.38551	-.39992	707.87916	9.95876	9.97371
1.120	7.714	2.02337	-.03274	.00048	-.00416	-.11155	-.39008	-.40093	708.00033	9.93876	9.95369
1.121	8.826	2.01626	-.03187	.00056	-.00416	-.12015	-.39409	-.40227	708.12148	9.95876	9.97371
1.120	9.919	2.00806	-.02937	.00015	-.00617	-.12336	-.39677	-.40616	707.63876	9.93876	9.95369
1.121	11.032	2.00015	-.03187	.00130	-.00444	-.12664	-.40483	-.41562	707.96895	9.93876	10.00376
1.120	12.125	1.99307	-.03382	.00183	-.00437	-.13169	-.41294	-.42546	707.69938	9.94876	9.98373
1.120	13.247	1.98564	-.03510	.00193	-.00315	-.13926	-.42454	-.43778	707.81857	9.96875	9.98373
1.120	14.358	1.97846	-.03586	.00156	-.00132	-.14529	-.43127	-.44294	707.89433	9.95876	9.96370
1.120	15.472	1.97130	-.03642	.00086	-.00119	-.14836	-.43794	-.45223	707.71501	9.95876	9.93366
1.121	17.657	1.95130	-.03285	-.00115	-.00253	-.15732	-.45450	-.48076	708.13717	9.96875	9.97371
1.119	19.841	1.93052	-.03154	-.00295	-.00296	-.16213	-.46785	-.49904	707.67183	9.91876	9.96370
	GRADIENT	.00028	.00070	-.00039	-.00001	-.01338	.00315	.00228	-.04353	-.00310	-.00681

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 431

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3034) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 AILRON = .000

RUN NO. 135/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.910	2.04033	-.04394	.00419	-.00356	.03061	-.39810	-.41129	730.34035	10.05874	10.05382
1.201	-2.193	2.04399	-.04342	.00388	-.00360	.00561	-.39297	-.40543	730.22751	10.09874	10.00376
1.200	-1.087	2.04599	-.04241	.00325	-.00351	-.00935	-.38889	-.40042	730.05161	10.12873	9.97371
1.200	.013	2.04880	-.04317	.00287	-.00337	-.02488	-.38489	-.39450	730.13684	10.12873	9.94367
1.201	1.099	2.04908	-.04217	.00231	-.00350	-.03909	-.38145	-.39054	730.31484	10.06874	10.03380
1.201	2.208	2.04751	-.04078	.00190	-.00365	-.05312	-.37898	-.38755	730.38644	10.03875	10.00376
1.201	3.294	2.04438	-.03866	.00145	-.00387	-.06616	-.37767	-.38902	730.36520	10.01875	10.03380
1.202	4.404	2.04187	-.03799	.00116	-.00397	-.07823	-.37655	-.39080	730.62236	9.98875	10.00376
1.201	5.490	2.03700	-.03639	.00097	-.00426	-.09003	-.37855	-.39291	730.26448	9.95876	10.00376
1.201	6.615	2.03190	-.03525	.00079	-.00466	-.10164	-.38113	-.39343	730.50837	9.90876	9.96370
1.201	7.707	2.02541	-.03417	.00082	-.00501	-.11066	-.38530	-.39416	730.18721	9.88876	9.89360
1.200	8.810	2.01860	-.03281	.00063	-.00545	-.11945	-.38889	-.39441	730.17369	9.96875	10.01377
1.200	9.929	2.01156	-.03170	.00036	-.00617	-.12529	-.39305	-.39833	730.02435	9.97875	9.97371
1.199	11.014	2.00478	-.03109	.00006	-.00628	-.13137	-.39723	-.40411	729.80901	9.95876	9.98373
1.199	12.124	1.99793	-.03061	-.00042	-.00572	-.13816	-.40318	-.41239	729.81043	9.99875	10.00376
1.201	13.260	1.99045	-.03269	-.00001	-.00409	-.14486	-.40755	-.41737	731.07798	9.98875	9.96370
1.202	14.334	1.98274	-.03373	-.00004	-.00303	-.15048	-.42101	-.43582	730.57202	9.97875	9.97371
1.201	15.441	1.97548	-.03567	-.00013	-.00275	-.15414	-.42714	-.44449	730.50047	9.96875	9.94367
1.200	17.665	1.95578	-.03251	-.00219	-.00270	-.16234	-.44043	-.46019	730.20276	9.98875	10.01377
1.200	19.850	1.93395	-.02882	-.00456	-.00320	-.16471	-.45467	-.48079	730.29173	9.97875	10.00376
	GRADIENT	.00023	.00073	-.00039	-.00005	-.01313	.00271	.00281	.03745	-.01192	-.00074

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 432

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3035) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 173/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.906	2.03388	-.04351	.00468	-.00033	.03149	-.23010	-.26887	660.20534	.06999	.03004
.600	-2.205	2.03943	-.04551	.00473	-.00104	.02966	-.22851	-.26846	660.61550	.05999	.02003
.600	-1.132	2.04212	-.04596	.00440	-.00135	.02913	-.22885	-.26909	659.69729	-.01000	.03004
.600	-.060	2.04352	-.04710	.00453	-.00184	.02826	-.22748	-.26546	659.86501	-.02000	.02003
.600	1.029	2.04407	-.04704	.00424	-.00182	.02789	-.22703	-.26336	659.78525	-.03000	.01001
.600	2.115	2.04334	-.04700	.00411	-.00203	.02672	-.22626	-.26262	659.27387	-.04000	.02003
.600	3.187	2.04213	-.04699	.00394	-.00245	.02575	-.22555	-.25939	659.61589	-.04000	.02003
.601	4.290	2.03803	-.04516	.00375	-.00280	.02478	-.22459	-.25529	660.95081	-.04000	.02003
.600	5.388	2.03454	-.04518	.00379	-.00315	.02367	-.22382	-.25373	660.11574	-.03000	.01001
.600	6.487	2.02747	-.04224	.00360	-.00337	.02321	-.22120	-.24771	659.45143	-.05000	.02003
.600	7.548	2.02296	-.04208	.00352	-.00390	.02202	-.21899	-.24526	659.94640	-.04000	.01001
.600	8.648	2.01616	-.04140	.00364	-.00427	.02107	-.21824	-.24550	659.21652	-.04000	.00000
.600	9.747	2.00875	-.03969	.00337	-.00500	.02008	-.21908	-.24618	660.04092	-.04000	.00000
.600	10.850	2.00104	-.03898	.00332	-.00586	.02045	-.22099	-.24878	660.03764	-.05000	-.03003
.600	11.939	1.99302	-.03843	.00323	-.00615	.02171	-.22468	-.25697	660.03764	-.06000	-.04004
.600	13.030	1.98058	-.04289	.00619	-.00332	.01853	-.23100	-.26932	659.69565	-.10000	-.07006
.600	14.129	1.97096	-.04371	.00665	-.00007	.01330	-.24120	-.28148	660.12395	-.01000	-.07006
.600	15.251	1.96393	-.04058	.00450	-.00023	.00877	-.25165	-.29341	660.20041	.00000	-.05004
.600	17.411	1.94268	-.03464	.00215	-.00604	.00796	-.27517	-.32849	659.78351	-.01000	-.16014
.600	19.679	1.91583	-.03935	.00433	-.00469	-.00743	-.29661	-.35637	659.78361	-.04000	-.36032
	GRADIENT	.00054	-.00025	-.00012	-.00028	-.00078	.00065	.00167	-.01319	-.01454	-.00120

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 433

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3035) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 144/ 0 RN/L = 5.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.799	-4.293	2.05380	-.04926	.00596	-.00038	.04484	-.23914	-.26841	946.67956	.00000	.01001
.800	-2.387	2.05980	-.05061	.00605	-.00074	.04009	-.23511	-.26388	947.24134	.01000	.02003
.800	-1.256	2.06266	-.05106	.00590	-.00115	.03777	-.23270	-.26038	948.34553	.00000	.01001
.799	-.112	2.06468	-.05107	.00556	-.00170	.03590	-.23171	-.25704	946.87457	.01000	.02003
.799	1.039	2.06659	-.05211	.00548	-.00194	.03438	-.22953	-.25230	946.95420	.00000	.01001
.799	2.156	2.06515	-.05105	.00514	-.00231	.03268	-.22706	-.24861	947.19310	.01000	.01001
.801	3.298	2.06229	-.05013	.00501	-.00265	.03114	-.22419	-.24439	948.59468	.01000	.02003
.800	4.434	2.05921	-.04950	.00483	-.00304	.02920	-.22155	-.24112	948.13187	.01000	.00000
.799	5.579	2.05525	-.04927	.00481	-.00336	.02662	-.21881	-.23949	946.96675	.02000	.02003
.800	6.723	2.04741	-.04742	.00485	-.00323	.02332	-.21670	-.23721	947.54102	.01000	.00000
.793	7.860	2.04197	-.04630	.00446	-.00346	.02151	-.21728	-.23798	946.39049	.00000	-.03002
.800	8.982	2.03381	-.04332	.00384	-.00439	.02122	-.21805	-.23970	948.20519	-.06001	.03004
.800	10.130	2.02771	-.04300	.00355	-.00460	.02009	-.22214	-.24403	947.36085	-.03000	.00000
.800	11.261	2.01910	-.04280	.00371	-.00350	.02116	-.22682	-.25058	947.93076	-.04001	-.04003
.800	12.374	2.01309	-.04263	.00313	-.00511	.02065	-.23497	-.26867	948.19260	-.03000	-.02002
.799	13.512	2.00555	-.04250	.00275	-.00334	.01610	-.24718	-.28643	946.44504	.00000	.00000
.800	14.646	1.99799	-.04108	.00171	-.00289	.00515	-.26281	-.30220	947.32725	-.02000	.01001
.800	15.774	1.98987	-.03883	.00029	-.00082	.00223	-.27321	-.31189	947.24762	-.06001	-.04003
.800	18.097	1.97335	-.03939	-.00126	-.00039	-.00741	-.29355	-.34313	947.23507	.00000	.02003
.800	20.366	1.95389	-.03821	-.00344	.00007	-.00168	-.32326	-.37571	946.74474	.04000	.04006
GRADIENT		.00066	-.00002	-.00015	-.00031	-.00171	.00195	.00324	.13660	.00092	-.00072

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 434

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3036) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 223/ 0

RN/L = 3.50

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-4.108	2.01946	-.04442	.00604	.00570	.17776	-.20053	-.23432	461.23501	-18.01450	-22.01201
.599	-2.334	2.02458	-.04636	.00606	.00452	.16801	-.20124	-.23233	460.81150	-18.02451	-22.02202
.600	-1.273	2.02664	-.04766	.00618	.00398	.16472	-.20062	-.23049	461.39458	-18.02451	-22.02202
.600	-.217	2.02891	-.04816	.00559	.00427	.16229	-.20081	-.22897	461.39785	-18.03451	-22.02202
.599	.842	2.02992	-.04903	.00537	.00419	.15992	-.20251	-.23021	460.64208	-18.04451	-22.02202
.601	1.910	2.02917	-.04772	.00486	.00398	.15792	-.20186	-.22793	462.40074	-18.04451	-22.01201
.600	2.949	2.02708	-.04735	.00492	.00368	.15520	-.20327	-.22939	461.56886	-18.01450	-22.02202
.600	4.023	2.02496	-.04708	.00474	.00340	.15265	-.20511	-.23019	461.64862	-18.02451	-22.03203
.599	5.083	2.02167	-.04629	.00456	.00278	.15044	-.20577	-.23173	460.97928	-18.03451	-22.03203
.600	6.141	2.01710	-.04501	.00448	.00263	.15015	-.20497	-.23126	461.23338	-18.03451	-22.03203
.600	7.201	2.01240	-.04504	.00465	.00244	.15039	-.20515	-.23058	461.56886	-18.02451	-22.04204
.600	8.264	2.00635	-.04365	.00457	.00240	.14975	-.20686	-.22972	461.90265	-18.03451	-22.04204
.599	9.324	2.00074	-.04409	.00465	.00208	.14961	-.21130	-.23251	460.48405	-18.02451	-22.04204
.600	10.392	1.99381	-.04362	.00469	.00196	.15052	-.21370	-.23334	461.15359	-18.03451	-22.04204
.600	11.445	1.98737	-.04485	.00488	.00159	.15012	-.21579	-.23492	461.06725	-18.03451	-22.07207
.599	12.525	1.97947	-.04393	.00452	.00094	.15034	-.21672	-.23840	460.89784	-18.00450	-22.04204
.599	13.583	1.96979	-.04518	.00554	-.00025	.14606	-.21881	-.24456	460.81477	-18.02451	-22.05205
.600	14.662	1.96080	-.04841	.00663	.00057	.14582	-.22082	-.24807	461.23338	-18.01450	-22.06206
.600	16.791	1.94098	-.04540	.00523	.00221	.14299	-.22346	-.25682	461.06398	-18.03451	-22.06206
.600	18.909	1.91864	-.04012	.00295	-.00445	.14397	-.23403	-.27698	461.40113	-18.03451	-22.06206
	GRADIENT	.00069	-.00028	-.00020	-.00022	-.00284	-.00050	.00055	.09186	-.00109	-.00122

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 435

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3036) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -20.000 AILRON = 2.000

RUN NO. 185/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.109	2.03536	-.05906	.01114	.00105	.24726	-.35521	-.42071	729.77233	-17.99000	-22.00926
1.201	-2.517	2.03842	-.05963	.01143	-.00032	.21599	-.35282	-.41812	730.86869	-18.02000	-22.01927
1.202	-1.297	2.04041	-.06055	.01163	-.00072	.19280	-.35409	-.41975	730.55614	-18.04000	-22.05930
1.202	-.214	2.04198	-.06193	.01186	-.00069	.17114	-.35735	-.42148	730.68312	-18.04000	-22.03928
1.202	.804	2.04119	-.06169	.01192	-.00092	.15335	-.36313	-.42116	730.22500	-17.99000	-22.01927
1.202	1.966	2.04117	-.06195	.01176	-.00152	.13660	-.36720	-.41899	730.41308	-18.02000	-22.00926
1.202	3.197	2.03864	-.06058	.01139	-.00180	.11733	-.37456	-.41796	730.45548	-17.80000	-22.02928
1.201	4.148	2.03702	-.05952	.01084	-.00266	.10607	-.37746	-.42032	730.19050	-18.12000	-22.06931
1.201	5.212	2.03246	-.05785	.01061	-.00286	.09132	-.38182	-.42475	730.39187	-18.04000	-22.08933
1.202	6.337	2.02805	-.05555	.00985	-.00317	.07817	-.38551	-.42757	730.55614	-18.05000	-22.03928
1.202	7.488	2.02238	-.05279	.00901	-.00364	.06651	-.38998	-.42773	730.56409	-18.00000	-22.02928
1.201	8.635	2.01515	-.05057	.00859	-.00411	.05666	-.39556	-.42793	730.42100	-18.03000	-22.02928
1.202	9.640	2.00923	-.04876	.00798	-.00408	.04920	-.39941	-.42822	730.77062	-17.97000	-22.03928
1.202	10.751	2.00260	-.04813	.00765	-.00365	.04306	-.40325	-.43131	730.32567	-17.97000	-22.03928
1.201	11.975	1.99367	-.04523	.00665	-.00338	.03454	-.40748	-.43629	729.94104	-18.02000	-22.03928
1.200	13.057	1.98816	-.04302	.00499	-.00314	.02647	-.40458	-.43705	729.92177	-18.03000	-22.04929
1.200	14.196	1.98105	-.04218	.00398	-.00242	.01990	-.40321	-.44406	729.80136	-18.03000	-22.05930
1.199	15.388	1.97288	-.04082	.00269	-.00184	.01423	-.40998	-.45091	729.60113	-18.04000	-22.04929
1.198	17.474	1.95513	-.03690	.00025	-.00191	.00635	-.42458	-.45601	729.66027	-18.02000	-22.03928
1.200	19.620	1.93437	-.03463	-.00165	-.00147	.00437	-.43770	-.45991	730.86744	-18.05000	-22.03928
	GRADIENT	.00018	-.00013	-.00001	-.00037	-.01721	-.00312	.00007	.00600	.00328	-.00319

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 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 436

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3037) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 222/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BET	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-4.059	2.01	-.04617	.00658	.00777	.15416	-.19854	-.22858	461.48254	-12.99325	-17.04705
.600	-2.308	2.02521	-.04837	.00659	.00598	.14451	-.19899	-.22680	461.98403	-13.00325	-17.00701
.600	-1.253	2.02812	-.04957	.00626	.00562	.14171	-.20006	-.22655	461.14868	-13.00325	-16.99700
.599	-.184	2.02884	-.04873	.00583	.00541	.13961	-.20044	-.22575	461.07052	-13.03326	-16.99700
.599	.874	2.02992	-.05043	.00586	.00515	.13868	-.20114	-.22602	459.54384	-13.06327	-16.99700
.600	1.931	2.02864	-.04927	.00564	.00516	.13788	-.20106	-.22481	461.56886	-13.00325	-17.00701
.600	3.002	2.02771	-.04951	.00541	.00512	.13677	-.20283	-.22694	461.06562	-13.02326	-16.99700
.600	4.059	2.02481	-.04847	.00527	.00450	.13498	-.20317	-.22643	461.06562	-13.03326	-17.00701
.600	5.098	2.02208	-.04806	.00503	.00434	.13395	-.20351	-.22660	461.06562	-13.04326	-17.01702
.600	6.181	2.01770	-.04760	.00514	.00391	.13314	-.20212	-.22468	461.48090	-13.04326	-16.99700
.600	7.233	2.01226	-.04594	.00500	.00402	.13284	-.20077	-.22349	461.81633	-13.04326	-17.00701
.599	8.294	2.00649	-.04569	.00518	.00372	.13228	-.20209	-.22401	460.80987	-13.05326	-16.99700
.600	9.358	1.99993	-.04453	.00511	.00315	.13130	-.20330	-.22486	461.14541	-13.05326	-17.01702
.599	10.413	1.99312	-.04407	.00510	.00243	.13102	-.20564	-.22736	460.89948	-13.07327	-17.00701
.600	11.506	1.98585	-.04413	.00510	.00213	.13129	-.20688	-.23012	461.14214	-13.06327	-17.01702
.600	12.559	1.97851	-.04394	.00485	.00149	.13158	-.20770	-.23244	461.56886	-13.01325	-17.03704
.601	13.625	1.96828	-.04643	.00658	.00205	.12800	-.21292	-.23791	462.73108	-13.02326	-17.04705
.599	14.678	1.95938	-.04831	.00716	.00339	.12682	-.21702	-.24211	460.65023	-13.05326	-17.05706
.599	16.818	1.94079	-.04529	.00511	.00377	.12181	-.22240	-.25721	459.80781	-13.09327	-17.07708
.599	18.947	1.91797	-.04105	.00338	-.00170	.11986	-.23812	-.28186	460.15001	-13.07327	-17.04705
	GRADIENT	.00059	-.00026	-.00018	-.00032	-.00203	-.00058	.00022	-.08286	-.00446	.00354

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 437

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3037) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = 2.000

RUN NO. 184/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.050	2.03337	-.06524	.01408	.00049	.21548	-.35976	-.40389	730.00299	-13.01000	-16.99487
1.201	-2.404	2.03679	-.06479	.01388	.00005	.18470	-.35844	-.40298	730.47377	-13.11000	-17.09496
1.201	-1.234	2.03911	-.06310	.01296	-.00055	.16221	-.35743	-.40337	730.20627	-13.05000	-17.06493
1.201	-.119	2.04061	-.06243	.01242	-.00119	.14140	-.35713	-.40533	730.10555	-12.95000	-17.00488
1.201	.806	2.04091	-.06160	.01198	-.00097	.12664	-.35811	-.40843	730.50837	-13.03000	-17.01489
1.202	2.068	2.04107	-.06140	.01155	-.00016	.10990	-.35932	-.40696	730.51375	-13.02000	-17.03491
1.201	3.140	2.03996	-.06002	.01084	-.00043	.09345	-.36281	-.40455	730.31240	-13.05000	-17.06493
1.201	4.198	2.03676	-.05766	.01016	-.00068	.08049	-.36809	-.40349	730.08430	-13.06000	-17.04491
1.201	5.280	2.03289	-.05523	.00944	-.00063	.06872	-.37142	-.40305	730.32821	-13.06000	-17.00488
1.201	6.494	2.02907	-.04903	.00692	-.00181	.05283	-.37560	-.40507	730.18502	-12.96000	-17.03491
1.201	7.490	2.02254	-.05035	.00803	-.00042	.04623	-.38045	-.40797	730.06304	-12.98000	-17.01489
1.200	8.616	2.01555	-.04770	.00742	-.00067	.03721	-.38388	-.41096	730.00701	-13.02000	-17.03491
1.200	9.827	2.00866	-.04448	.00619	-.00108	.02888	-.38668	-.41396	730.02254	-13.04000	-17.03491
1.200	10.876	2.00189	-.04331	.00577	-.00156	.02213	-.38766	-.41868	730.18144	-13.03000	-17.04491
1.200	12.010	1.99443	-.04141	.00490	-.00162	.01445	-.39061	-.42614	729.99531	-13.01000	-16.99487
1.199	13.111	1.98752	-.04064	.00415	-.00166	.00759	-.39517	-.42757	729.78762	-12.97000	-17.02490
1.199	14.307	1.97962	-.04205	.00406	-.00094	.00152	-.40337	-.43178	729.63013	-13.03000	-17.05492
1.198	15.248	1.97269	-.04180	.00349	-.00061	-.00227	-.41213	-.43375	729.36339	-13.03000	-17.03491
1.198	17.419	1.95465	-.03738	.00075	-.00029	-.01021	-.42537	-.43480	729.80511	-13.08000	-17.06493
1.198	19.630	1.93451	-.03388	-.00203	.00007	-.01339	-.44038	-.44706	729.77615	-13.07000	-17.10497
	GRADIENT	.00051	.00085	-.00049	-.00010	-.01639	-.00086	-.00019	.01309	-.00053	-.00167

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TABULATED SOURCE DATA - LA62

PAGE 438

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 221/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.599	-4.020	2.02259	-.04710	.00576	.00754	.12284	-.20346	-.23539	460.80987	-8.02201	-12.00200
.600	-2.259	2.02588	-.04768	.00605	.00676	.11627	-.20263	-.23181	461.48090	-8.03201	-11.99199
.600	-1.202	2.02929	-.04976	.00584	.00620	.11367	-.20296	-.23063	461.14868	-8.02201	-12.00200
.600	-.156	2.03047	-.04963	.00547	.00614	.11192	-.20365	-.23011	461.48254	-8.03201	-12.00200
.600	.910	2.03167	-.05090	.00531	.00583	.11055	-.20334	-.22948	461.06725	-8.02201	-12.00200
.600	1.984	2.03069	-.05033	.00511	.00543	.10959	-.20382	-.22791	461.48417	-8.03201	-12.01201
.600	3.030	2.02919	-.05034	.00505	.00521	.10791	-.20483	-.22808	461.15032	-8.02201	-12.00200
.600	4.090	2.02638	-.04956	.00498	.00481	.10650	-.20515	-.22820	461.56886	-8.02201	-12.00200
.600	5.151	2.02245	-.04814	.00484	.00450	.10523	-.20541	-.22777	461.73002	-8.03201	-12.00200
.599	6.212	2.01772	-.04687	.00478	.00415	.10435	-.20333	-.22558	460.73495	-8.02201	-12.01201
.599	7.263	2.01279	-.04585	.00465	.00380	.10449	-.20239	-.22465	460.89784	-8.02201	-12.01201
.599	8.340	2.00752	-.04605	.00477	.00358	.10413	-.20256	-.22617	460.89621	-8.03201	-12.00200
.600	9.409	2.00102	-.04568	.00493	.00321	.10335	-.20280	-.22485	461.48417	-8.02201	-12.01201
.599	10.465	1.99384	-.04434	.00474	.00297	.10441	-.20474	-.22749	460.97928	-8.02201	-12.00200
.599	11.517	1.98689	-.04467	.00480	.00254	.10545	-.20679	-.22902	460.97928	-8.03201	-12.02202
.599	12.611	1.97875	-.04301	.00419	.00224	.10538	-.20964	-.23306	460.73169	-8.03201	-12.02202
.600	13.665	1.96834	-.04081	.00728	.00266	.09892	-.21392	-.23983	461.40604	-8.00200	-12.02202
.600	14.728	1.95951	-.04751	.00661	.00352	.09462	-.21941	-.24768	461.31971	-8.00200	-12.03203
.599	16.864	1.94151	-.04494	.00445	.00337	.08932	-.23256	-.26916	460.30321	-8.00200	-12.05205
.599	18.992	1.91827	-.04124	.00309	-.00210	.08210	-.25311	-.30334	460.81640	-8.01200	-12.05205
	GRADIENT	.00056	-.00037	-.00013	-.00032	-.00184	-.00026	.00085	.04889	.00025	-.00081

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 439

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 216/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-4.081	2.02441	-.04962	.00740	.00739	.13076	-.20462	-.23573	523.22692	-8.00100	-12.01201
.700	-2.264	2.02981	-.05105	.00721	.00577	.12060	-.20586	-.23236	522.44086	-8.00100	-12.02202
.701	-1.203	2.03181	-.05129	.00699	.00523	.11635	-.20501	-.22982	523.38344	-7.99100	-12.03203
.700	-.138	2.03395	-.05211	.00664	.00485	.11367	-.20521	-.22959	522.90735	-7.98100	-12.02202
.701	.933	2.03308	-.05087	.00640	.00433	.11237	-.20447	-.22720	523.22692	-7.99100	-12.02202
.700	2.002	2.03422	-.05229	.00611	.00414	.11078	-.20477	-.22648	522.52725	-7.99100	-12.03203
.701	3.065	2.03241	-.05176	.00599	.00395	.10890	-.20380	-.22533	523.38669	-7.97100	-12.01201
.700	4.144	2.02917	-.05063	.00587	.00353	.10724	-.20333	-.22413	523.08013	-7.99100	-12.00200
.701	5.203	2.02612	-.05035	.00576	.00304	.10612	-.20258	-.22233	523.08662	-7.99100	-12.00200
.700	6.272	2.02171	-.04962	.00571	.00270	.10550	-.20047	-.22071	522.37065	-7.99100	-12.00200
.701	7.346	2.01638	-.04838	.00558	.00231	.10485	-.19801	-.21942	523.23342	-7.99100	-12.00200
.700	8.426	2.01019	-.04740	.00557	.00235	.10345	-.19864	-.22050	523.15677	-8.00100	-12.01201
.701	9.499	2.00369	-.04711	.00568	.00205	.10200	-.19982	-.22169	522.84042	-8.00100	-12.00200
.700	10.581	1.99726	-.04597	.00514	.00201	.10032	-.20218	-.22330	522.60717	-8.00100	-12.02202
.701	11.647	1.99041	-.04510	.00466	.00147	.09562	-.20657	-.22690	523.23342	-7.99100	-12.00200
.700	12.715	1.98281	-.04537	.00460	.00194	.09255	-.21217	-.23262	523.15028	-7.98100	-12.01201
.701	13.788	1.97376	-.04533	.00471	.00286	.08919	-.21625	-.23999	522.76700	-7.97100	-12.01201
.700	14.849	1.96451	-.04550	.00476	.00322	.08981	-.22001	-.24733	522.76700	-7.98100	-12.01201
.701	17.025	1.94659	-.04528	.00338	.00356	.08585	-.23802	-.27778	523.47633	-8.00100	-12.01201
.700	19.169	1.92444	-.04412	.00231	.00120	.08525	-.26427	-.30847	522.69032	-8.02100	-12.01201
GRADIENT		.00061	-.00014	-.00021	-.00043	-.00260	.00021	.00137	.01147	.00223	.00109

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TABULATED SOURCE DATA - LA62

PAGE 440

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 212/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-4.005	2.02816	-.05273	.00840	.00588	.14139	-.21315	-.23958	577.28594	-8.02100	-12.06206
.801	-2.369	2.03229	-.05313	.00825	.00522	.13040	-.21161	-.23597	578.23038	-8.02100	-12.05205
.801	-1.296	2.03500	-.05405	.00807	.00431	.12378	-.21206	-.23371	578.10274	-8.03100	-12.10210
.801	-.232	2.03601	-.05377	.00779	.00381	.11857	-.21033	-.22996	577.98137	-8.05101	-12.04204
.800	.824	2.03738	-.05477	.00761	.00323	.11486	-.21070	-.22926	577.68814	-7.98100	-11.97197
.800	1.932	2.03737	-.05476	.00728	.00319	.11198	-.20883	-.22673	577.56668	-7.96100	-11.98198
.800	3.013	2.03537	-.05336	.00688	.00265	.10961	-.20817	-.22539	577.90806	-7.96100	-11.97197
.800	4.223	2.02963	-.05286	.00659	.00208	.10664	-.20615	-.22392	577.84736	-7.95099	-11.99199
.800	5.216	2.02556	-.05174	.00644	.00145	.10342	-.20262	-.22311	577.84106	-7.96100	-11.99199
.800	6.250	2.01973	-.04950	.00600	.00093	.09933	-.20198	-.22288	577.70703	-7.97100	-12.00200
.801	7.361	2.01394	-.04835	.00580	.00049	.09369	-.20161	-.22374	577.57926	-7.95099	-12.01201
.800	8.418	2.00747	-.04731	.00546	-.00012	.08799	-.20201	-.22412	578.04206	-7.96100	-12.01201
.800	9.549	2.00121	-.04703	.00525	-.00027	.08586	-.20509	-.22681	577.35299	-7.99100	-12.03203
.800	10.605	1.99385	-.04615	.00491	-.00074	.08778	-.20786	-.22860	577.63371	-7.98100	-12.01201
.800	11.680	1.98553	-.04536	.00480	-.00021	.08701	-.21217	-.23129	577.35299	-8.00100	-12.01201
.801	12.722	1.97750	-.04437	.00393	-.00082	.08612	-.21664	-.23598	577.83476	-8.03100	-12.02202
.800	13.876	1.97054	-.04505	.00322	-.00047	.08518	-.22175	-.24337	577.98767	-8.01100	-12.00200
.800	14.960	1.95039	-.04445	.00221	-.00067	.08083	-.22855	-.25354	577.62742	-7.99100	-12.03203
.800	17.220	1.92989	-.04491	.00169	-.00089	.07791	-.24678	-.28079	577.29222	-7.99100	-12.01201
.799	19.227	1.90063	-.00006	-.00023	-.00046	.07666	-.27577	-.32094	576.73680	-7.98100	-12.00200
GRADIENT						-.00409	.00079	.00194	.00983	.01100	.01359

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TABULATED SOURCE DATA - LA62

PAGE 441

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 207/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-4.051	2.03109	-.05808	.01031	.00543	.17687	-.24073	-.26410	624.56871	-8.00100	-12.00200
.900	-2.415	2.03596	-.05930	.01027	.00395	.16296	-.23632	-.26068	625.26848	-7.99100	-12.00200
.900	-1.295	2.03869	-.06020	.01015	.00317	.15427	-.23534	-.25957	625.52446	-7.98100	-11.99199
.899	-.199	2.04054	-.06123	.01009	.00253	.14475	-.23361	-.25701	624.75630	-7.99100	-12.01201
.900	.829	2.04031	-.05952	.00946	.00226	.13773	-.23070	-.25234	625.14959	-8.00100	-12.01201
.900	1.945	2.03935	-.05860	.00911	.00189	.12832	-.22901	-.24941	624.97119	-8.02100	-12.04204
.899	3.080	2.03853	-.05889	.00891	.00144	.11747	-.22578	-.24645	624.84311	-8.08101	-12.05205
.899	4.078	2.03613	-.05783	.00856	.00073	.10707	-.22271	-.24603	624.63731	-8.05101	-12.06206
.900	5.291	2.03177	-.05615	.00820	.00015	.09694	-.22161	-.24643	624.89349	-7.98100	-12.07207
.899	6.374	2.02786	-.05482	.00768	-.00064	.08873	-.22162	-.24810	624.15198	-7.97100	-12.03203
.899	7.491	2.02519	-.05439	.00684	-.00154	.07996	-.21899	-.25046	624.83401	-7.97100	-12.04204
.900	8.524	2.01946	-.05335	.00665	-.00212	.07864	-.22006	-.25390	625.01243	-7.96100	-12.02202
.899	9.678	2.01283	-.05269	.00642	-.00230	.07822	-.22323	-.25823	624.22062	-7.97100	-12.02202
.899	10.936	2.00340	-.05081	.00618	-.00324	.07152	-.22727	-.25797	624.55467	-7.96100	-12.02202
.900	11.650	2.00012	-.05228	.00620	-.00373	.06721	-.23348	-.25498	625.13134	-7.97100	-11.99199
.399	12.856	1.99109	-.05077	.00557	-.00338	.06631	-.23714	-.25703	624.09242	-7.99100	-12.01201
.899	13.927	1.98311	-.04878	.00454	-.00252	.06406	-.24069	-.26181	624.34880	-7.98100	-12.00200
.899	15.025	1.97581	-.04564	.00253	-.00064	.06111	-.24853	-.27249	624.59600	-7.98100	-12.02202
.899	17.201	1.95685	-.04489	.00136	-.00202	.06226	-.26892	-.29719	624.29833	-8.03100	-12.02202
.898	19.393	1.93690	-.04083	-.00177	-.00166	.06567	-.29564	-.32631	623.99141	-7.97100	-12.01201
GRADIENT		.00057	.00009	-.00024	-.00053	-.00841	.00211	.00244	-.02510	-.00951	-.00845

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 442

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 202/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-4.096	2.03236	-.06073	.01105	.00483	.19562	-.24896	-.27401	634.18151	-8.03100	-12.02202
.921	-2.369	2.03685	-.06217	.01128	.00329	.18003	-.24546	-.27124	634.84190	-8.02100	-12.02202
.921	-1.256	2.03874	-.06207	.01103	.00288	.17034	-.24201	-.26770	634.49228	-8.02100	-12.03203
.921	-.175	2.04189	-.06334	.01066	.00232	.16058	-.23953	-.26474	634.48267	-8.03100	-12.04204
.921	.919	2.04117	-.06187	.01026	.00179	.15047	-.23740	-.26124	634.88043	-8.04101	-12.06206
.920	2.031	2.04154	-.06235	.00999	.00156	.13744	-.23430	-.25868	634.24944	-8.09101	-12.07207
.921	3.131	2.03999	-.06196	.00978	.00114	.12628	-.23022	-.25608	634.55057	-8.08101	-12.10210
.921	4.222	2.03695	-.06056	.00943	.00052	.11495	-.22605	-.25464	634.75427	-8.09101	-12.12212
.921	5.332	2.03306	-.05857	.00887	-.00062	.10240	-.22427	-.25374	634.55057	-8.09101	-12.10210
.920	6.462	2.02830	-.05717	.00852	-.00071	.09273	-.22309	-.25234	634.06484	-8.06101	-12.02202
.920	7.560	2.02416	-.05794	.00862	-.00099	.08599	-.22386	-.25211	634.30776	-8.05101	-12.03203
.920	8.653	2.02018	-.05621	.00747	-.00122	.08492	-.22390	-.25450	634.21030	-8.02100	-12.03203
.920	9.739	2.01319	-.05457	.00712	-.00158	.07769	-.22746	-.25433	634.31736	-8.04101	-12.03203
.920	10.815	2.00489	-.05193	.00658	-.00325	.06764	-.23316	-.25323	633.98731	-8.04101	-12.04204
.920	11.882	1.99673	-.05132	.00658	-.00348	.06104	-.23777	-.25583	634.26864	-8.06101	-12.06206
.920	12.976	1.99045	-.04590	.00385	-.00237	.05684	-.24302	-.26093	634.46281	-8.07101	-12.09209
.920	14.036	1.98254	-.04541	.00337	-.00142	.05329	-.25058	-.27044	634.44359	-8.02100	-12.04204
.920	15.169	1.97537	-.04638	.00273	-.00054	.05032	-.26177	-.28517	634.08402	-8.03100	-12.05205
.920	16.229	1.96575	-.04339	.00140	-.00053	.04732	-.27369	-.30110	634.32696	-8.02100	-12.04204
.921	17.309	1.95720	-.04382	.00071	-.00069	.04517	-.28455	-.31536	634.41476	-8.05101	-12.06206
.921	19.497	1.93762	-.03984	-.00255	-.00158	.04935	-.31082	-.34267	633.48100	-8.10101	-12.08208
.919	GRADIENT	.00062	.00002	-.00023	-.00047	-.00973	.00270	.00250	.02595	-.00947	-.01262

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 443

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 198/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-4.108	2.03201	-.06163	.01173	.00492	.21708	-.27368	-.29350	647.08307	-8.03100	-11.98198
.951	-2.387	2.03654	-.06316	.01198	.00394	.19452	-.26649	-.28429	647.17474	-8.03100	-11.99159
.951	-1.251	2.03886	-.06381	.01191	.00365	.18292	-.26433	-.28116	647.42443	-8.04101	-12.00200
.951	-.161	2.04142	-.06525	.01180	.00279	.17189	-.26177	-.27777	647.44766	-8.03100	-12.00200
.950	.939	2.04216	-.06571	.01166	.00209	.15928	-.25971	-.27512	647.09047	-8.04101	-12.01201
.950	2.040	2.04114	-.06497	.01137	.00179	.14584	-.25670	-.27213	646.99455	-8.05101	-12.03203
.950	3.156	2.03945	-.06430	.01108	.00101	.13178	-.25367	-.27032	646.98296	-8.05101	-12.04204
.950	4.245	2.03555	-.06215	.01070	.00010	.11841	-.25073	-.26741	646.69089	-8.05101	-12.07207
.950	5.349	2.03221	-.06100	.01028	-.00070	.10440	-.24732	-.26485	646.71404	-8.02100	-12.04204
.950	6.465	2.02658	-.05916	.01007	-.00076	.09255	-.24478	-.26196	646.67180	-8.02100	-12.04204
.950	7.539	2.02121	-.05789	.00981	-.00086	.08411	-.24456	-.26139	646.59485	-8.03100	-12.04204
.950	8.637	2.01363	-.05587	.00971	-.00035	.07446	-.24795	-.26342	646.97552	-8.05101	-12.06206
.950	9.749	2.00609	-.05347	.00919	-.00075	.06709	-.24960	-.26495	646.77941	-8.07101	-12.06206
.950	10.833	1.99835	-.05025	.00824	-.00240	.05595	-.25467	-.26770	646.54103	-8.05101	-12.09209
.950	11.921	1.98831	-.04702	.00779	-.00316	.04613	-.26131	-.27454	646.68336	-8.04101	-12.04204
.949	13.056	1.98863	-.04849	.00546	-.00131	.03280	-.26963	-.28497	646.32568	-8.04101	-12.05205
.949	14.106	1.98297	-.04663	.00374	-.00068	.02811	-.28093	-.29845	646.22949	-8.00100	-12.03203
.949	15.220	1.97392	-.04382	.00236	-.00054	.02415	-.29584	-.31608	646.35032	-8.02100	-12.04204
.949	17.396	1.95607	-.04470	.00139	-.00146	.01915	-.33524	-.35846	645.88307	-8.07101	-12.01201
.950	19.559	1.93774	-.04118	-.00196	.00057	.01592	-.36732	-.39593	646.92173	-8.04101	-12.04204
GRADIENT		.00053	-.00016	-.00013	.00056	-.01162	.00259	.00294	-.05190	-.00285	-.00999

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 444

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 194/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.979	-4.076	2.03166	-.06160	.01205	.00533	.21637	-.33696	-.35234	659.64254	-7.97100	-11.94194
.980	-2.338	2.03757	-.06489	.01256	.00411	.19342	-.33231	-.34698	659.33085	-7.98100	-11.96196
.981	-1.238	2.03922	-.06490	.01244	.00344	.18067	-.33155	-.34551	659.65980	-8.00100	-11.97197
.981	-.139	2.04138	-.06589	.01229	.00253	.17007	-.32978	-.34363	659.52271	-8.02100	-12.00200
.981	.951	2.04175	-.06587	.01209	.00167	.15843	-.32687	-.34013	659.72805	-8.03100	-11.99199
.981	2.098	2.04057	-.06472	.01168	.00118	.14418	-.32379	-.33565	659.62119	-8.07101	-12.01201
.981	3.149	2.03894	-.06396	.01136	.00015	.13125	-.32199	-.33327	659.27019	-8.09101	-12.04204
.981	4.272	2.03513	-.06194	.01098	-.00062	.11751	-.32141	-.33245	659.57535	-8.13102	-12.07207
.981	5.367	2.03111	-.06083	.01078	-.00118	.10271	-.32279	-.33311	659.39226	-8.02100	-12.14214
.980	6.503	2.02574	-.05840	.01023	-.00164	.09025	-.32598	-.33498	659.37673	-8.03100	-12.01201
.980	7.596	2.01991	-.05746	.01020	-.00125	.08007	-.32915	-.33803	659.10183	-8.03100	-12.01201
.980	8.717	2.01161	-.05574	.01036	-.00076	.07036	-.33517	-.34402	658.88790	-8.05101	-12.01201
.980	9.783	2.00344	-.05331	.01010	-.00194	.06018	-.34440	-.35368	659.04032	-8.08101	-12.03203
.980	10.859	1.99237	-.05157	.01075	-.00265	.05039	-.35416	-.36375	659.10138	-8.07101	-12.05205
.980	11.959	1.98056	-.05194	.01218	-.00434	.03889	-.36761	-.37773	659.20834	-8.05101	-12.05205
.980	13.053	1.97148	-.05025	.01177	-.00400	.03013	-.38455	-.39472	658.87227	-8.08101	-12.08208
.980	14.180	1.96380	-.04855	.01059	-.00283	.02577	-.39855	-.40961	658.76526	-8.14102	-12.11211
.980	15.284	1.96465	-.04799	.00596	-.00164	.02139	-.41567	-.42736	658.82579	-7.96100	-12.06206
.979	17.468	1.94758	-.04385	.00384	-.00134	.01740	-.43635	-.45819	658.30484	-8.03100	-12.19219
.979	19.637	1.92557	-.03548	-.00016	-.00215	.00852	-.44165	-.49339	658.74838	-8.10101	-12.08208
	GRADIENT	.00042	-.00000	-.00016	-.00071	-.01161	.00193	.00249	.07074	-.01928	-.01457

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 445

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 189/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-4.004	2.02975	-.06167	.01345	.00377	.19740	-.34624	-.39058	707.44125	-7.97000	-11.97047
1.121	-2.260	2.03378	-.06135	.01315	.00118	.17498	-.34532	-.39029	707.95325	-7.98000	-11.99049
1.121	-1.264	2.03572	-.06034	.01254	.00027	.15717	-.34617	-.38746	708.37472	-8.00000	-12.01051
1.121	-.150	2.03637	-.05917	.01205	-.00041	.13836	-.34815	-.38391	708.34321	-8.00000	-12.01051
1.121	1.032	2.03759	-.05805	.01118	-.00094	.11920	-.34993	-.38127	707.98240	-8.06000	-12.03053
1.121	2.062	2.03745	-.05633	.01029	-.00147	.10221	-.34991	-.37871	708.16406	-8.04000	-12.04054
1.120	3.069	2.03627	-.05507	.00968	-.00149	.08625	-.35089	-.37594	707.77153	-7.95000	-11.95046
1.121	4.254	2.03238	-.05250	.00905	-.00127	.07065	-.35253	-.37536	707.93755	-7.93000	-11.98048
1.120	5.465	2.02841	-.05145	.00875	-.00116	.05765	-.35714	-.37973	707.83424	-7.96000	-11.99049
1.120	6.583	2.02366	-.04937	.00813	-.00110	.04625	-.36107	-.38298	707.68373	-7.98000	-12.01051
1.120	7.587	2.01651	-.04944	.00895	-.00019	.04072	-.36524	-.38691	707.81957	-7.97000	-12.01051
1.120	8.681	2.00992	-.04692	.00831	-.00124	.03253	-.37146	-.39332	707.72870	-8.04000	-12.04054
1.120	9.836	2.00171	-.04431	.00779	-.00189	.02586	-.37440	-.39393	707.68373	-8.04000	-12.01051
1.120	10.885	1.99619	-.04346	.00713	-.00245	.01968	-.37717	-.39227	707.68373	-8.02000	-12.02052
1.120	12.020	1.98863	-.04045	.00586	-.00227	.01409	-.38106	-.39150	707.59376	-8.04000	-12.06055
1.119	13.114	1.98242	-.04245	.00596	-.00199	.00997	-.38926	-.39624	707.39802	-8.03000	-12.04054
1.120	14.221	1.97507	-.04431	.00610	-.00079	.00361	-.39502	-.39942	707.67002	-8.03000	-12.01051
1.120	15.300	1.96741	-.04656	.00633	.00210	-.00409	-.40246	-.40462	707.67002	-8.06000	-12.04054
1.118	17.530	1.94952	-.04217	.00331	.00196	-.01277	-.42628	-.42403	707.05251	-8.06000	-12.08057
1.117	19.710	1.92891	-.03756	.00027	.00054	-.01592	-.44164	-.43855	706.49344	-8.08000	-12.13061
	GRADIENT	.00043	.00112	-.00058	-.03058	-.01582	-.00087	.00215	.02163	.00215	-.00019

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TABULATED SOURCE DATA - LA62

PAGE 446

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3038) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 183/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.989	2.03274	-.06229	.01318	.00109	.18136	-.35760	-.40613	730.02254	-8.01000	-12.00050
1.200	-2.338	2.03601	-.06015	.01236	.00089	.15311	-.35298	-.40281	730.21630	-8.03000	-12.02052
1.201	-1.200	2.03914	-.05919	.01148	.00065	.13220	-.34987	-.39906	730.20069	-8.04000	-12.04054
1.201	-.105	2.03972	-.05671	.01050	.00010	.11434	-.34941	-.39484	730.33609	-8.02000	-12.05054
1.201	.913	2.04265	-.05654	.00955	.00002	.09749	-.35222	-.39348	729.91976	-8.03000	-12.05054
1.201	2.010	2.04292	-.05479	.00854	.00026	.08095	-.35539	-.39063	730.04959	-7.97000	-11.99049
1.201	3.110	2.04148	-.05313	.00783	.00050	.06642	-.35894	-.38720	730.17160	-8.00000	-12.02052
1.201	4.284	2.03810	-.05042	.00699	.00034	.05276	-.36335	-.38633	730.22196	-8.00000	-12.05054
1.200	5.322	2.03426	-.04798	.00627	.00052	.04151	-.36770	-.38863	730.03609	-8.05000	-12.01051
1.200	6.466	2.02936	-.04585	.00566	.00071	.03002	-.37064	-.39241	730.21630	-8.02000	-12.02052
1.201	7.572	2.02361	-.04414	.00528	.00008	.02001	-.37338	-.39674	730.45251	-7.99000	-12.06055
1.201	8.574	2.01761	-.04240	.00490	-.00055	.01312	-.37802	-.40008	730.28015	-8.01000	-12.02052
1.201	9.800	2.00956	-.04098	.00466	-.00096	.00621	-.38280	-.40108	730.33833	-8.02000	-12.01051
1.200	10.835	2.00315	-.04013	.00429	-.00142	-.00001	-.39117	-.40075	730.01666	-8.03000	-12.05054
1.199	12.038	1.99437	-.03879	.00387	-.00139	-.00547	-.39342	-.40116	729.96025	-8.02000	-12.03053
1.199	13.060	1.98781	-.04025	.00404	-.00105	-.01153	-.39971	-.40410	729.89608	-8.02000	-12.04054
1.199	14.213	1.98075	-.04239	.00410	.00009	-.01794	-.40306	-.40487	730.03969	-8.00000	-12.06055
1.200	15.350	1.97315	-.04133	.00293	.00067	-.02265	-.40906	-.40795	730.51281	-8.11000	-12.06055
1.200	17.494	1.95584	-.03652	-.00015	.00066	-.03245	-.42897	-.42595	730.08840	-8.06000	-12.08057
1.199	19.756	1.93440	-.03245	-.00298	-.00032	-.03423	-.43731	-.44625	730.35745	-8.06000	-12.00050
GRADIENT		.00085	.00137	-.00079	-.00009	-.01573	-.00087	.00254	.00469	.00413	-.00234

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TABULATED SOURCE DATA - LA62

PAGE 447

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 220/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.947	2.02293	-.04712	.00572	.00800	.07732	-.21306	-.24526	461.39621	-2.97074	-7.01702
.600	-2.202	2.02726	-.04824	.00571	.00714	.07370	-.21193	-.24205	461.98239	-2.96074	-7.01702
.600	-1.153	2.02933	-.04945	.00573	.00681	.07196	-.21285	-.24182	461.47762	-2.94074	-7.01702
.600	-.092	2.03209	-.05211	.00569	.00622	.07076	-.21217	-.24098	461.15195	-2.97074	-7.01702
.600	.969	2.03213	-.05197	.00551	.00606	.06984	-.21238	-.23949	461.39949	-2.98075	-7.03704
.600	2.038	2.03147	-.05157	.00520	.00595	.06897	-.21178	-.23856	461.23338	-2.97074	-7.02703
.599	3.072	2.02988	-.05132	.00508	.00562	.06796	-.21212	-.23806	460.89621	-3.00075	-7.03704
.602	4.146	2.02683	-.04986	.00491	.00545	.06686	-.21087	-.23444	464.14958	-2.97074	-7.03704
.600	5.203	2.02324	-.04953	.00494	.00516	.06619	-.21157	-.23427	461.30661	-2.98075	-7.03704
.600	6.253	2.01962	-.04982	.00500	.00475	.06512	-.20995	-.23097	461.15032	-2.98075	-7.03704
.600	7.324	2.01448	-.04917	.00505	.00457	.06524	-.20919	-.23020	461.31316	-2.97074	-7.03704
.599	8.378	2.00821	-.04751	.00492	.00428	.06459	-.20985	-.23140	460.64045	-2.99075	-7.03704
.600	9.459	2.00232	-.04749	.00491	.00389	.06415	-.21038	-.23258	461.31480	-3.02076	-7.04705
.600	10.529	1.99454	-.04580	.00483	.00312	.06447	-.21187	-.23492	461.06398	-3.02076	-7.01702
.598	11.573	1.98749	-.04554	.00466	.00267	.06481	-.21526	-.23938	459.72792	-3.01075	-7.03704
.601	12.660	1.97898	-.04562	.00505	.00337	.06144	-.21883	-.24700	462.81406	-3.00075	-7.04705
.600	13.712	1.96859	-.05142	.00798	.00528	.05526	-.22589	-.25648	451.65026	-3.01075	-7.02703
.600	14.798	1.95985	-.04853	.00658	.00627	.05006	-.23300	-.26575	461.73330	-2.96074	-7.02703
.599	16.925	1.94083	-.04293	.00373	.00309	.04519	-.25372	-.29615	460.63230	-2.97074	-7.05706
.600	19.074	1.91778	-.04206	.00324	-.00066	.03596	-.27497	-.33021	462.15007	-3.01075	-7.06707
	GRADIENT	.00055	-.00045	-.00011	-.00030	-.00121	.00019	.00115	.13905	-.00302	-.00304

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 448

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 211/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.935	2.02976	-.05444	.00855	.00741	.09289	-.22285	-.24773	577.56668	-3.05038	-6.96697
.801	-2.246	2.03338	-.05471	.00854	.00649	.08538	-.22046	-.24395	578.58411	-2.94037	-6.98699
.800	-1.287	2.03584	-.05473	.00803	.00569	.08079	-.22139	-.24316	577.48077	-3.16040	-6.98699
.800	-.184	2.03815	-.05641	.00804	.00517	.07762	-.22004	-.23991	577.82846	-3.04038	-6.99700
.800	1.024	2.03952	-.05684	.00761	.00442	.07506	-.21870	-.23777	577.76775	-3.04038	-6.99700
.800	1.957	2.03802	-.05570	.00741	.00427	.07341	-.21729	-.23487	577.90806	-3.03038	-7.02703
.800	3.102	2.03714	-.05636	.00732	.00399	.07123	-.21597	-.23262	577.40745	-3.00038	-7.00701
.800	4.163	2.03399	-.05512	.00712	.00340	.06897	-.21215	-.22895	577.42003	-2.99037	-7.01702
.801	5.285	2.03022	-.05397	.00687	.00307	.06586	-.21077	-.22743	577.88915	-3.01038	-7.01702
.800	6.264	2.02576	-.05324	.00691	.00287	.06236	-.20928	-.22583	577.43261	-3.01038	-7.02703
.800	7.337	2.02189	-.05307	.00663	.00257	.05864	-.20938	-.22619	577.56668	-3.00038	-7.04705
.800	8.541	2.01409	-.04994	.00611	.00289	.05746	-.20969	-.22649	577.84736	-3.11039	-7.03704
.801	9.651	2.00801	-.04979	.00601	.00280	.05718	-.21125	-.22791	578.05467	-3.12039	-7.04705
.800	10.663	2.00115	-.04788	.00546	.00193	.05762	-.21500	-.23245	577.84106	-3.09039	-7.03704
.800	11.713	1.99376	-.04628	.00492	-.00012	.05687	-.22178	-.24082	577.91437	-3.00038	-7.06707
.800	12.870	1.98520	-.04571	.00462	.00062	.05566	-.22721	-.24895	577.56668	-3.02038	-7.04705
.801	13.898	1.97862	-.04570	.00396	.00250	.05076	-.23576	-.26246	577.98767	-2.98037	-7.03704
.800	14.919	1.97123	-.04634	.00359	.00466	.04590	-.24594	-.27750	577.36556	-2.99037	-7.02703
.800	17.184	1.95233	-.04710	.00265	.00408	.03820	-.26848	-.30861	577.51223	-2.94037	-7.00701
.801	19.298	1.93110	-.04669	.00164	.00449	.03383	-.29581	-.34931	578.15319	-2.97037	-7.06707
	GRADIENT	.00063	-.00018	-.00019	-.00049	-.00281	.00117	.00227	-.05482	.00561	-.00608

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 449

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 206/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-3.980	2.03205	-.06274	.01183	.00866	.11647	-.24852	-.27097	624.92993	-2.94037	-7.05706
.900	-2.412	2.03643	-.06506	.01230	.00744	.10285	-.24685	-.26880	625.01243	-2.96037	-7.03704
.899	-1.091	2.03934	-.06568	.01205	.00651	.09329	-.24491	-.26637	624.83401	-2.95037	-7.05706
.900	-.037	2.04175	-.06671	.01179	.00591	.08695	-.24349	-.26457	625.25935	-2.95037	-7.05706
.900	.910	2.04177	-.06612	.01148	.00529	.08045	-.24145	-.26178	625.33705	-2.96037	-7.03704
.899	2.081	2.04055	-.06464	.01095	.00456	.07145	-.23885	-.25820	624.90260	-2.95037	-6.95696
.899	3.202	2.03928	-.06460	.01075	.00375	.06374	-.23546	-.25297	624.52739	-3.00038	-6.97698
.900	4.332	2.03532	-.06162	.01006	.00281	.05587	-.23163	-.24977	625.01243	-3.00038	-6.99700
.900	5.354	2.03071	-.05850	.00937	.00167	.05120	-.23055	-.24845	624.86614	-3.01038	-7.00701
.899	6.418	2.02754	-.05785	.00888	.00032	.05100	-.22989	-.24806	624.26200	-3.00038	-6.99700
.899	7.545	2.02325	-.05595	.00798	-.00077	.04836	-.22753	-.24920	624.53648	-2.97037	-7.00701
.899	8.516	2.01761	-.05484	.00782	-.00075	.04817	-.22807	-.25011	624.76541	-2.95037	-6.99700
.900	9.609	2.01070	-.05220	.00709	-.00201	.04689	-.23089	-.25104	624.97119	-2.93037	-6.99700
.899	10.730	2.00274	-.04983	.00649	-.00260	.04338	-.23559	-.25295	624.87043	-3.06038	-7.01702
.899	11.842	1.99496	-.04956	.00640	-.00206	.03995	-.24113	-.25935	624.84311	-2.94037	-7.02703
.900	12.938	1.98912	-.04715	.00465	-.00027	.03661	-.24949	-.27029	625.33705	-2.93037	-7.03704
.899	14.172	1.98186	-.04719	.00366	.00041	.03130	-.25998	-.28287	624.91171	-3.04038	-7.04705
.900	15.133	1.97554	-.04288	.00125	.00237	.02728	-.26867	-.29552	625.19078	-2.86036	-7.05706
.899	17.220	1.95768	-.04363	.00055	.00042	.02640	-.28207	-.31352	624.74232	-2.94037	-7.06707
.898	19.401	1.93678	-.03909	-.00242	.00027	.02843	-.31'92	-.34577	624.18829	-3.06038	-7.04705
	GRADIENT	.00047	.00012	-.00024	-.00068	-.00717	.00200	.00261	-.01548	-.00675	.01055

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 450

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 ATLROD = 2.000

RUN NO. 193/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.977	2.03009	-.06709	.01470	.00688	.15987	-.35172	-.36535	659.23865	-2.94037	-6.98699
.980	-2.293	2.03443	-.06814	.01477	.00511	.13764	-.34469	-.35728	659.39190	-2.95037	-6.99700
.981	-1.182	2.03672	-.06675	.01505	.00381	.12595	-.34243	-.35480	659.42260	-2.98037	-7.02703
.981	-.087	2.03800	-.07037	.01502	.00235	.11530	-.33897	-.35136	659.42260	-2.96037	-7.05706
.980	1.003	2.03858	-.07037	.01475	.00134	.10371	-.33639	-.34831	659.22393	-2.98037	-7.05706
.980	2.127	2.03711	-.06820	.01404	.00101	.09099	-.33249	-.34360	659.02517	-3.04038	-7.09710
.980	3.202	2.03592	-.06704	.01342	.00009	.07885	-.33145	-.34257	658.94896	-3.08039	-7.13714
.980	4.340	2.03180	-.06484	.01303	-.00016	.06599	-.33249	-.34313	659.02517	-3.13039	-7.02703
.980	5.460	2.02755	-.06281	.01252	-.00051	.05455	-.33626	-.34641	659.07061	-3.01038	-7.02703
.980	6.548	2.02188	-.06150	.01253	-.00042	.04474	-.33824	-.34732	658.79553	-3.03038	-7.03704
.980	7.610	2.01536	-.05926	.01226	-.00039	.03829	-.34093	-.34940	658.93282	-3.07038	-7.03704
.979	8.734	2.00713	-.05705	.01221	-.00115	.02769	-.34964	-.35724	658.58145	-3.11039	-7.04705
.979	9.815	2.00074	-.05429	.01123	-.00183	.01952	-.35800	-.36556	658.58145	-3.10039	-7.08709
.979	10.923	1.98967	-.04934	.01061	-.00207	.01191	-.37231	-.38028	658.51974	-3.04038	-7.13714
.979	11.992	1.97942	-.04533	.00996	-.00256	.00362	-.38478	-.39210	658.39754	-3.10039	-7.07708
.979	13.099	1.97210	-.04251	.00852	-.00190	-.00281	-.40070	-.40902	658.29044	-3.09039	-7.13714
.979	14.195	1.96445	-.04061	.00733	-.00102	-.00868	-.41547	-.42598	658.64194	-3.10039	-7.10711
.979	15.304	1.96532	-.04026	.00375	.00012	-.01242	-.42640	-.44316	658.41197	-3.08039	-7.12713
.980	17.483	1.94785	-.03994	.00224	-.00039	-.01692	-.44112	-.47419	659.03982	-3.08039	-7.08709
.978	19.681	1.92760	-.03072	-.00280	-.00175	-.02484	-.44020	-.49533	658.10222	-2.99037	-7.06707
	GRADIENT	.00026	.00024	-.00022	-.00087	-.01106	.00243	.00277	-.05057	-.02224	-.01236

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TABULATED SOURCE DATA - LA62

PAGE 451

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3039) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = 2.000

RUN NO. 182/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.955	2.03362	-.05506	.01022	.00275	.13940	-.35222	-.38641	730.00299	-2.99000	-7.04617
1.200	-2.211	2.03832	-.05312	.00911	.00258	.11137	-.35189	-.37792	730.07293	-3.01000	-7.08620
1.200	-1.125	2.04058	-.05209	.00841	.00185	.09392	-.35333	-.37389	730.11554	-3.06000	-7.01614
1.201	-.124	2.04319	-.05226	.00786	.00139	.07796	-.35530	-.37360	730.43679	-3.04000	-7.03616
1.201	1.006	2.04340	-.05067	.00712	.00088	.06189	-.35862	-.37594	730.39978	-3.01000	-7.06618
1.202	2.142	2.04217	-.04869	.00640	.00097	.04666	-.36017	-.37437	730.56409	-3.04000	-7.04617
1.200	3.349	2.04122	-.04781	.00574	.00118	.03180	-.36424	-.37221	729.73562	-3.04000	-7.03616
1.199	4.258	2.03837	-.04660	.00548	.00138	.02228	-.36500	-.37201	729.70054	-3.14000	-7.02615
1.200	5.465	2.03374	-.04435	.00491	.00119	.01015	-.36729	-.37386	730.03800	-3.06000	-7.04617
1.200	6.510	2.02932	-.04306	.00457	.00100	.00025	-.37028	-.37597	730.13879	-3.05000	-7.06618
1.201	7.532	2.02415	-.04121	.00407	.00017	-.00786	-.37271	-.37657	730.23759	-3.04000	-7.03616
1.200	8.709	2.01838	-.03844	.00348	-.00076	-.01354	-.37622	-.37739	730.26667	-3.03000	-7.06618
1.200	9.801	2.01017	-.03774	.00326	-.00096	-.01906	-.37856	-.37746	729.97989	-3.06000	-7.05617
1.199	10.861	2.00322	-.03690	.00299	-.00087	-.02391	-.38280	-.38125	729.82426	-3.06000	-7.04617
1.199	12.018	1.99637	-.03649	.00247	-.00084	-.03044	-.38533	-.38345	729.93887	-3.12000	-7.10622
1.200	13.084	1.98898	-.03696	.00240	-.00046	-.03679	-.39071	-.39128	730.04571	-3.08000	-7.10622
1.200	14.204	1.98247	-.03932	.00247	-.00374	-.04338	-.39797	-.39830	730.05340	-3.10000	-7.16627
1.201	15.308	1.97514	-.04048	.00215	.00167	-.04899	-.41011	-.41884	730.52633	-3.06000	-7.07619
1.200	17.489	1.95722	-.03546	-.00094	.00133	-.05863	-.42066	-.43053	730.17369	-3.02000	-7.03616
1.200	19.671	1.93660	-.03180	-.00358	.00028	-.05983	-.43415	-.44836	729.98162	-3.09000	-7.09621
GRADIENT		.00059	.00101	-.00059	-.00021	-.01434	-.00179	.00136	-.02414	-.01143	.00267

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 219/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.903	2.02427	-.04777	.00544	.00652	.03227	-.22525	461.90429	1.98000	-1.98198
.600	-2.150	2.02802	-.04919	.00575	.00537	.03051	-.22512	461.15195	1.97000	-1.97197
.600	-1.093	2.03055	-.05070	.00569	.00511	.02961	-.22572	461.64698	1.99000	-1.97197
.600	-.026	2.03374	-.05322	.00541	.00517	.02880	-.22533	461.73002	1.98000	-1.98198
.600	1.012	2.03408	-.05346	.00523	.00490	.02812	-.22482	462.06376	2.05000	-1.98198
.600	2.079	2.03205	-.05152	.00491	.00457	.02702	-.22495	461.48090	2.04000	-1.98198
.600	3.128	2.03046	-.05144	.00485	.00447	.02600	-.22346	461.73330	2.04000	-1.97197
.600	4.195	2.02888	-.05245	.00486	.00441	.02475	-.22427	461.48417	1.99000	-1.97197
.600	5.259	2.02443	-.05073	.00478	.00422	.02376	-.22252	461.23174	2.00000	-1.99199
.600	6.322	2.02078	-.05057	.00466	.00399	.02258	-.22129	461.31480	1.99000	-1.99199
.600	7.381	2.01481	-.04859	.00458	.00395	.02162	-.21924	461.65026	1.99000	-1.99199
.599	8.449	2.00915	-.04784	.00446	.00379	.02061	-.22026	460.64697	1.96000	-1.99199
.600	9.513	2.00286	-.04693	.00433	.00310	.01995	-.22116	461.56722	1.99000	-1.98198
.602	10.585	1.99597	-.04570	.00405	.00236	.01992	-.22002	464.15291	1.98000	-2.00200
.600	11.663	1.98846	-.04549	.00395	.00194	.02052	-.22512	461.15195	1.99000	-1.99199
.600	12.723	1.97796	-.05118	.00728	.00473	.01602	-.23134	461.65026	1.99000	-2.03203
.600	13.784	1.96927	-.05255	.00783	.00698	.01174	-.23909	461.48254	1.99000	-2.03203
.599	14.853	1.96195	-.04952	.00573	.00686	.00628	-.24720	460.39119	1.95000	-2.04204
.600	16.966	1.94134	-.04235	.00308	.00137	.00240	-.26814	461.6562	2.08000	-2.05205
.599	19.132	1.91835	-.04382	.00328	-.00124	-.00777	-.29355	460.80661	2.08000	-2.06206
GRADIENT		.00058	-.00052	-.00011	-.00023	-.00089	.00019	-.00546	.00676	.00047

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TABULATED SOURCE DATA - LA62

PAGE 453

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 SOFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 215/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CPI	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.952	2.02686	-.05018	.00678	.00693	.03743	-.22693	-.25899	523.08337	1.94024	-2.00200
.701	-2.146	2.03224	-.05220	.00679	.00596	.03427	-.22607	-.25768	523.30681	2.02025	-2.00200
.701	-1.091	2.03539	-.05365	.00653	.00564	.03336	-.22529	-.25614	523.38669	2.05026	-2.01201
.700	-.032	2.03539	-.05257	.00626	.00581	.03216	-.22453	-.25346	523.07688	2.07026	-2.00200
.700	1.047	2.03737	-.05541	.00644	.00510	.03096	-.22359	-.25102	523.14703	2.02025	-1.99199
.700	2.098	2.03699	-.05501	.00602	.00508	.02941	-.22403	-.24985	522.52725	2.02025	-1.98198
.700	3.194	2.03444	-.05401	.00595	.00487	.02806	-.22272	-.24598	523.07688	1.94024	-1.99199
.700	4.250	2.03274	-.05464	.00590	.00468	.02647	-.22137	-.24343	523.07363	2.06026	-2.00200
.700	5.311	2.02784	-.05243	.00573	.00445	.02514	-.22019	-.24078	522.37712	1.97025	-2.00200
.700	6.404	2.02348	-.05185	.00567	.00461	.02393	-.21767	-.23767	522.61689	1.96025	-2.00200
.701	7.469	2.01922	-.05164	.00550	.00449	.02229	-.21512	-.23464	523.62958	2.06026	-2.00200
.700	8.562	2.01196	-.04948	.00538	.00416	.02059	-.21633	-.23677	522.92357	1.95024	-2.00200
.700	9.624	2.00550	-.04822	.00511	.00382	.01850	-.21746	-.23924	523.08337	1.98025	-2.00200
.701	10.704	1.99771	-.04804	.00546	.00374	.01723	-.22060	-.24532	523.78281	2.09026	-2.02202
.700	11.754	1.99124	-.04655	.00456	.00276	.01609	-.22764	-.25629	522.53049	1.98025	-2.06206
.701	12.813	1.98482	-.04816	.00457	.00419	.01327	-.23434	-.26725	523.30681	2.02025	-2.03203
.700	13.896	1.97518	-.04878	.00510	.00655	.00991	-.24283	-.27945	523.15028	2.05026	-2.05205
.700	14.988	1.96655	-.04693	.00398	.00501	.00578	-.25208	-.28957	522.99374	2.03025	-2.03203
.701	17.164	1.94712	-.04608	.00287	.00370	-.00354	-.27490	-.32034	523.31331	1.93024	-2.06206
.700	19.308	1.92373	-.04500	.00227	.00003	-.00602	-.30590	-.35452	523.00023	2.05026	-2.04204
GRADIENT		.00068	-.00051	-.00012	-.00025	-.00128	.00064	.00197	-.03678	.00397	.00154

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 454

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 210/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.862	2.03094	-.05419	.00810	.00661	.04501	-.23478	-.26286	577.70073	2.03025	-2.00200
.801	-2.310	2.03528	-.05557	.00815	.00593	.04156	-.23317	-.26028	578.02944	1.97025	-2.00200
.800	-1.170	2.03697	-.05526	.00787	.00532	.03903	-.23193	-.25717	577.69444	1.98025	-2.00200
.800	-.041	2.04010	-.05730	.00769	.00480	.03676	-.22991	-.25326	577.63371	1.98025	-2.01201
.800	.971	2.04006	-.05675	.00740	.00451	.03504	-.22757	-.24822	577.70703	2.00025	-1.96196
.800	2.082	2.03901	-.05598	.00711	.00428	.03337	-.22529	-.24433	577.62112	2.02025	-1.97197
.800	3.093	2.03827	-.05616	.00687	.00415	.03170	-.22347	-.24197	577.75515	2.01025	-1.97197
.800	4.297	2.03513	-.05515	.00662	.00401	.02928	-.22085	-.23815	577.83476	2.02025	-1.98198
.800	5.182	2.03174	-.05470	.00671	.00382	.02651	-.21895	-.23627	577.42632	2.02025	-1.98198
.801	6.413	2.02737	-.05443	.00661	.00405	.02266	-.21763	-.23520	578.10905	2.01025	-1.98198
.800	7.568	2.02134	-.05287	.00636	.00389	.02052	-.21803	-.23644	577.34670	2.01025	-2.00200
.800	8.671	2.01512	-.05118	.00596	.00338	.01939	-.21901	-.23809	577.27965	1.88024	-2.01201
.801	9.626	2.00838	-.04862	.00550	.00285	.01902	-.22149	-.24188	578.32891	2.00025	-2.02202
.800	10.653	2.00243	-.04823	.00516	.00225	.01994	-.22465	-.24695	577.49965	1.94024	-2.04204
.800	11.781	1.99528	-.04677	.00438	.00035	.01961	-.23189	-.26054	577.42003	1.95024	-2.00200
.800	12.911	1.98782	-.04706	.00409	.00267	.01604	-.23797	-.27035	577.90806	1.94024	-2.01201
.800	13.976	1.97939	-.04618	.00362	.00463	.00959	-.24905	-.28532	577.76145	1.99025	-2.04204
.800	14.986	1.97277	-.04701	.00307	.00560	.00033	-.26273	-.29992	577.27965	2.05026	-2.00200
.799	17.147	1.95458	-.04797	.00227	.00445	-.01013	-.28499	-.32498	576.54175	1.90024	-2.02202
.800	19.345	1.93145	-.04533	.00076	.00391	-.01233	-.31345	-.36588	577.16439	2.00025	-2.08208
	GRADIENT	.00057	-.00013	-.00020	-.00032	-.00188	.00175	.00323	-.00570	.00246	.00444

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TABULATED SOURCE DATA - LA62

PAGE 455

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 205/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.920	2.03367	-.06403	.01184	.00732	.06015	-.26236	-.28398	625.23641	1.96025	-2.00200
.900	-2.276	2.03666	-.06448	.01207	.00605	.05048	-.26097	-.28184	625.25022	1.99025	-1.99199
.899	-1.203	2.03956	-.06487	.01165	.00516	.04337	-.25736	-.27852	624.85222	2.06026	-2.00200
.900	.087	2.04124	-.06563	.01155	.00427	.03622	-.25315	-.27454	625.63413	2.04026	-2.00200
.899	.945	2.04179	-.06549	.01122	.00372	.03199	-.25133	-.27276	624.83401	2.05026	-2.02202
.899	2.090	2.04001	-.06381	.01081	.00294	.02554	-.24781	-.26825	624.82490	2.01025	-2.02202
.899	3.283	2.03847	-.06314	.01041	.00210	.02242	-.24546	-.26605	624.70592	2.07026	-2.02202
.899	4.333	2.03502	-.06073	.00981	.00140	.02073	-.24219	-.26129	624.71502	2.04026	-2.03203
.899	5.412	2.03132	-.05960	.00952	.00138	.01988	-.23959	-.25769	624.92082	2.04026	-2.03203
.900	6.360	2.02752	-.05856	.00925	.00183	.01965	-.23754	-.25402	625.03066	2.02025	-2.03203
.899	7.436	2.02399	-.05640	.00808	-.00005	.01659	-.23557	-.25494	624.92082	2.00025	-2.02202
.899	8.548	2.01707	-.05326	.00734	-.00009	.01557	-.23841	-.25903	624.72412	2.01025	-2.03203
.899	9.734	2.01053	-.05054	.00626	-.00076	.01273	-.24085	-.26197	624.58691	2.02025	-2.04204
.899	10.800	2.00254	-.04695	.00530	-.00033	.01031	-.24533	-.26793	624.40834	1.95024	-2.03203
.900	11.926	1.99676	-.04558	.00411	.00077	.00436	-.25349	-.27866	625.08101	1.99025	-2.01201
.899	12.919	1.99153	-.04360	.00256	.00227	-.00068	-.26275	-.28865	624.61420	2.05026	-2.05205
.900	14.041	1.98410	-.04315	.00177	.00271	-.00765	-.27594	-.30527	624.95296	2.04026	-2.06206
.899	15.058	1.97851	-.04200	.00013	.00513	-.01183	-.28180	-.31140	624.22062	1.99025	-2.12212
.898	17.318	1.95861	-.04332	-.00025	.00293	-.01754	-.29986	-.33477	624.11964	2.03025	-2.12212
.899	19.370	1.94017	-.04006	-.00306	.00183	-.01745	-.32999	-.36435	624.81093	2.02025	-2.07207
	GRADIENT	.00025	.00033	-.00026	-.00071	-.00495	.00257	.00279	-.07233	.00885	-.00444

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 456

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 201/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.940	2.03215	-.05389	.01093	.00627	.06682	-.27614	-.29625	634.38528	2.14027	-1.93193
.921	-2.228	2.03628	-.06272	.01173	.00547	.05465	-.27261	-.29297	634.79328	2.15027	-2.07207
.921	-1.118	2.03879	-.06345	.01158	.00488	.04676	-.26907	-.29032	634.66713	2.14027	-2.07207
.920	-.037	2.03992	-.06368	.01142	.00366	.03980	-.26654	-.28806	634.23023	2.08026	-2.08208
.921	1.068	2.03978	-.06321	.01119	.00244	.03264	-.26350	-.28501	634.93869	2.09026	-2.09209
.920	2.153	2.03958	-.06393	.01117	.00209	.02567	-.26067	-.28160	634.33657	2.10026	-2.12212
.921	3.248	2.03734	-.06298	.01094	.00149	.02061	-.25562	-.27691	634.54095	2.07026	-2.03203
.921	4.360	2.03458	-.06287	.01094	.00158	.01861	-.25170	-.27254	634.42437	2.08026	-2.03203
.920	5.438	2.03076	-.06112	.01044	.00156	.01728	-.24672	-.26623	634.19111	2.00025	-2.02202
.920	6.547	2.02638	-.05804	.00937	.00156	.01574	-.24649	-.26464	634.44359	1.95024	-2.02202
.920	7.584	2.01996	-.05263	.00792	.00014	.01468	-.24696	-.26449	634.52112	1.96025	-2.03203
.921	8.694	2.01678	-.04942	.00594	.00051	.01338	-.24760	-.26573	634.77352	1.92024	-2.04204
.920	9.780	2.00968	-.04565	.00479	-.00086	.00472	-.25351	-.27262	634.24944	1.97025	-2.07207
.920	10.835	2.00357	-.04339	.00373	-.00093	.00068	-.26141	-.28173	633.78259	2.08026	-2.00200
.920	11.918	1.99750	-.04191	.00268	.00030	-.00512	-.27218	-.29416	634.36607	1.96025	-2.04204
.920	13.019	1.99186	-.03844	.00045	.00172	-.01241	-.28157	-.30227	634.44359	1.99025	-2.04204
.920	14.088	1.98587	-.03897	-.00032	.00237	-.01771	-.28857	-.31023	634.31736	1.94024	-2.07207
.921	15.188	1.97796	-.03888	-.00100	.00353	-.02509	-.29851	-.32369	634.75427	1.96025	-2.11211
.920	17.373	1.95995	-.03939	-.00212	.00315	-.03192	-.31593	-.34650	633.50893	1.92024	-2.11211
.921	19.561	1.93924	-.03438	-.00538	.00146	-.03157	-.34468	-.37975	634.83179	2.05026	-2.14214
	GRADIENT	.00030	-.00026	-.00005	-.00065	-.00602	.00294	.00284	-.01075	-.00955	-.00788

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 457

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = .000 AILRON = 2.000

RUN NO. 197/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.933	2.03096	-.05454	.00950	.00490	.09378	-.29855	-.32069	646.90602	1.99025	-2.07207
.951	-2.262	2.03499	-.05480	.00935	.00330	.07299	-.29509	-.31626	647.32862	1.99025	-2.08208
.951	-1.123	2.03754	-.05587	.00933	.00239	.06190	-.29284	-.31390	647.19795	2.02025	-2.05205
.951	-.025	2.03751	-.05482	.00907	.00115	.05223	-.29079	-.31137	647.44766	2.01025	-2.01201
.951	1.050	2.03760	-.05430	.00874	.00034	.04240	-.28830	-.30757	647.30540	2.01025	-2.02202
.951	2.163	2.03685	-.05465	.00876	.00022	.03171	-.28541	-.30396	647.25168	2.07026	-2.02202
.950	3.234	2.03493	-.05413	.00860	.00013	.02288	-.28249	-.30058	646.95978	2.09026	-2.04204
.950	4.363	2.03246	-.05501	.00887	.00065	.01460	-.27958	-.29744	646.92919	2.06026	-2.04204
.950	5.481	2.02652	-.05310	.00894	.00066	.00719	-.27808	-.29547	647.01772	2.05026	-2.05205
.950	6.548	2.02207	-.05306	.00907	.00134	.00353	-.27619	-.29407	646.88699	2.06026	-2.06206
.950	7.622	2.01720	-.05075	.00825	.00113	-.00253	-.27415	-.29265	646.82163	2.05026	-2.07207
.950	8.734	2.01111	-.04655	.00681	.00008	-.00789	-.27561	-.29434	646.82163	2.03025	-2.11211
.950	9.825	2.00382	-.04269	.00567	-.00014	-.01136	-.28057	-.29929	646.55259	2.07026	-2.06206
.949	10.882	1.99709	-.04017	.00472	-.00025	-.01718	-.28801	-.30692	646.49876	1.82023	-2.10210
.949	11.964	1.98700	-.03677	.00423	-.00119	-.02464	-.30215	-.32320	646.42181	1.98025	-2.04204
.950	13.070	1.98963	-.03910	.00155	.00058	-.03652	-.31031	-.33809	646.67180	2.01025	-2.14214
.950	14.149	1.98515	-.03931	.00016	.00161	-.04323	-.32164	-.35457	646.62954	1.95024	-2.10210
.950	15.245	1.97813	-.03945	-.00073	.00228	-.04890	-.32994	-.36539	646.56415	2.12027	-2.15215
.950	17.437	1.95981	-.04149	-.00117	.00126	-.05832	-.36312	-.41269	646.81413	2.06026	-2.00200
.951	19.644	1.93934	-.03512	-.00510	.00040	-.06022	-.40401	-.43969	647.81181	2.02025	-2.04204
	GRADIENT	.00013	.00004	-.00011	-.00056	-.00942	.00228	.00284	-.01359	.01247	.00517

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TABULATED SOURCE DATA - LA62

PAGE 458

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.2000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 192/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.972	2.03095	-.05214	.00878	.00451	.10152	-.37095	-.38616	659.28497	2.05026	-2.00200
.980	-2.247	2.03626	-.05227	.00822	.00329	.08019	-.36139	-.37795	659.34602	2.06026	-2.00200
.980	-1.131	2.03803	-.05247	.00811	.00235	.06921	-.35500	-.37124	659.17803	2.04026	-2.00200
.980	-.055	2.03760	-.05124	.00790	.00118	.05947	-.35271	-.36801	659.31569	2.01025	-2.01201
.980	1.048	2.03891	-.05241	.00784	.00056	.04873	-.35152	-.36611	659.23908	1.99025	-2.03203
.980	2.171	2.03743	-.05183	.00772	.00038	.03788	-.34921	-.36369	659.01002	1.97025	-2.03203
.980	3.270	2.03558	-.05128	.00752	.00011	.02804	-.34881	-.36258	659.16288	2.03025	-2.06206
.980	4.366	2.03268	-.05164	.00774	.00045	.01841	-.34958	-.36323	658.99487	2.02025	-2.07207
.980	5.476	2.02702	-.05056	.00803	.00045	.00867	-.35312	-.36629	658.99440	2.03025	-2.08208
.980	6.568	2.02158	-.05070	.00859	.00032	.00089	-.35580	-.36919	658.82633	2.02025	-2.14214
.980	7.664	2.01466	-.05110	.00930	.00030	-.00490	-.35998	-.37430	658.78040	2.02025	-2.04204
.980	8.747	2.00820	-.04929	.00892	-.00018	-.01437	-.36737	-.38094	658.79553	1.97025	-2.05205
.979	9.833	2.00112	-.04497	.00755	-.00062	-.01955	-.37568	-.39006	658.48951	1.79022	-2.08208
.980	10.933	1.99224	-.04135	.00677	-.00043	-.02644	-.39000	-.40585	658.87174	2.25028	-2.13213
.979	12.023	1.98242	-.03853	.00637	-.00099	-.03408	-.40295	-.42017	658.70363	2.25028	-2.23223
.979	13.146	1.97432	-.03721	.00570	-.00060	-.04074	-.41730	-.43909	658.61170	2.24028	-2.42242
.979	14.213	1.96797	-.03909	.00560	.00028	-.04679	-.43156	-.46351	658.73388	2.13027	-2.09209
.979	15.345	1.96841	-.04094	.00291	.00172	-.04990	-.43822	-.47002	658.51974	2.14027	-2.15215
.978	17.508	1.94931	-.04026	.00178	.00069	-.05597	-.45535	-.48675	657.89041	1.90024	-2.08208
	GRADIENT	.00014	.00009	-.00013	-.00053	-.00980	.00244	.00275	-.03570	-.00610	-.00911

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 459

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 188/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-3.944	2.03339	-.04520	.00624	.00383	.10537	-.35970	-.36767	708.51396	2.08974	-2.05180
1.121	-2.334	2.03590	-.04352	.00578	.00212	.08609	-.35658	-.36689	708.40860	1.94976	-2.06180
1.121	-1.169	2.03830	-.04402	.00564	.00106	.07076	-.35499	-.36707	708.32994	2.14973	-2.01176
1.121	-.063	2.04009	-.04359	.00508	.00074	.05384	-.35535	-.36921	707.87698	2.09974	-2.00175
1.121	1.020	2.04171	-.04324	.00440	.00059	.03822	-.35477	-.36929	708.04296	2.08974	-2.01176
1.121	2.140	2.04068	-.04156	.00374	.00084	.02371	-.35512	-.36908	708.14833	2.05974	-2.02177
1.120	3.220	2.03894	-.04094	.00349	.00115	.01101	-.35671	-.36825	707.63678	1.98975	-2.02177
1.120	4.338	2.03623	-.03996	.00314	.00135	-.00145	-.35919	-.36783	707.84780	2.01975	-1.99174
1.120	5.484	2.03115	-.03823	.00294	.00126	-.01151	-.36264	-.36961	707.86348	2.00975	-1.99174
1.120	6.573	2.02699	-.03809	.00291	.00163	-.02003	-.36586	-.36906	707.78930	1.99975	-2.01176
1.120	7.714	2.02117	-.03678	.00264	.00071	-.02741	-.37024	-.37143	707.74435	1.93976	-2.04179
1.120	8.778	2.01426	-.03489	.00235	-.00038	-.03139	-.37101	-.37497	707.72870	1.98975	-2.03178
1.120	9.864	2.00693	-.03500	.00270	.00058	-.03478	-.37207	-.37834	707.60373	1.95976	-2.02177
1.120	10.913	2.00019	-.03446	.00251	-.00025	-.03984	-.37492	-.38328	707.75999	1.84977	-2.06180
1.120	12.078	1.99202	-.03432	.00243	-.00058	-.04375	-.38590	-.40295	707.72870	2.16973	-2.06180
1.120	13.184	1.98572	-.03814	.00321	.00032	-.04936	-.39135	-.40705	707.74435	2.05974	-2.13187
1.120	14.289	1.97881	-.04076	.00348	.00325	-.06159	-.41637	-.43053	707.47249	2.05974	-2.04179
1.120	15.395	1.97124	-.04154	.00303	.00478	-.06696	-.42242	-.43700	707.41185	2.01975	-2.05180
1.118	17.774	1.95082	-.03634	-.00008	.00256	-.07626	-.45085	-.46599	706.84059	1.93976	-1.96172
1.117	19.751	1.93210	-.03679	-.00113	.00283	-.07927	-.46221	-.47919	706.67489	1.94976	-1.98173
	GRADIENT	.00048	.00059	-.00041	-.00027	-.01322	.00006	-.00014	-.09214	-.00582	.00607

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 460

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3040) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = 2.000

RUN NO. 181/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.906	2.03580	-.04730	.00671	.00199	.10044	-.36006	-.37780	730.22978	1.94976	-2.00175
1.201	-2.318	2.03994	-.04644	.00609	.00148	.07747	-.35976	-.37407	730.37305	2.03975	-2.03178
1.201	-1.078	2.04286	-.04537	.00524	.00111	.05877	-.35860	-.36852	730.37856	2.01975	-2.06180
1.201	-.078	2.04441	-.04509	.00481	.00085	.04430	-.35780	-.36537	730.33609	2.00975	-2.08182
1.201	1.046	2.04601	-.04458	.00407	.00101	.02919	-.35657	-.36221	730.20627	1.94976	-2.03178
1.201	2.144	2.04535	-.04341	.00352	.00099	.01549	-.35419	-.35770	730.25662	2.04974	-2.01176
1.201	3.188	2.04294	-.04112	.00284	.00096	.00292	-.35367	-.35740	730.27786	2.04974	-1.99174
1.201	4.338	2.04018	-.04060	.00266	.00136	-.00792	-.35565	-.35883	730.21412	1.98975	-2.02177
1.201	5.370	2.03687	-.03957	.00232	.00117	-.01770	-.35808	-.35879	730.27786	1.91976	-2.05180
1.201	6.502	2.03169	-.03936	.00252	.00163	-.02748	-.36263	-.36267	730.19286	1.93976	-2.03178
1.201	7.633	2.02569	-.03777	.00221	.00056	-.03601	-.36806	-.36840	730.32269	1.94976	-1.98173
1.200	8.751	2.01835	-.03531	.00174	-.00093	-.04132	-.37252	-.37230	730.13684	1.96975	-2.04179
1.200	9.886	2.01142	-.03413	.00140	-.00124	-.04798	-.37649	-.37648	729.95855	1.98975	-2.06180
1.200	10.935	2.00531	-.03504	.00156	-.00085	-.05266	-.38186	-.38386	729.90218	2.03975	-2.03178
1.200	11.966	1.99814	-.03412	.00118	-.00069	-.05840	-.38293	-.38868	730.02435	2.03975	-2.12186
1.199	13.159	1.99112	-.03617	.00132	-.00006	-.06627	-.39177	-.40714	729.79524	2.01975	-1.93169
1.199	14.249	1.98386	-.03737	.00123	.00112	-.07336	-.39969	-.41813	730.06872	1.87977	-1.99174
1.200	15.339	1.97660	-.03844	.00086	.00188	-.07770	-.41226	-.43075	730.08244	2.02975	-2.08182
1.199	17.629	1.95712	-.03487	-.00157	.00160	-.08755	-.43016	-.44922	729.90984	2.01975	-2.00175
1.199	19.734	1.93673	-.03151	-.00394	.00095	-.09012	-.45297	-.47032	730.11913	2.04974	-2.01176
GRADIENT		.00061	.00083	-.00053	-.00008	-.01332	.00078	.00264	-.01023	.00410	.00226

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TABULATED SOURCE DATA - LA62

PAGE 461

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 218/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.843	2.02427	-.04682	.00514	.00490	-.00850	-.24168	-.28101	461.72509	7.01000	3.01490
.600	-2.093	2.02949	-.04948	.00527	.00394	-.01021	-.24091	-.27989	461.89279	7.01000	3.00488
.600	-1.023	2.03101	-.05011	.00528	.00371	-.01067	-.24067	-.27919	461.39130	7.04000	3.00488
.599	.014	2.03199	-.05046	.00510	.00342	-.01156	-.23904	-.27729	460.64697	7.04000	3.01490
.602	1.078	2.03384	-.05239	.00497	.00350	-.01241	-.23748	-.27530	463.81620	6.97000	3.00488
.600	2.129	2.03351	-.05284	.00475	.00327	-.01352	-.23734	-.27467	461.57050	6.97000	3.01490
.600	3.188	2.03144	-.05209	.00462	.00298	-.01468	-.23767	-.27480	461.89772	7.01000	3.01490
.601	4.250	2.02915	-.05212	.00461	.00271	-.01597	-.23627	-.27127	463.23555	7.00000	3.00488
.600	5.297	2.02400	-.04935	.00442	.00250	-.01739	-.23585	-.26858	461.81797	6.97000	3.01490
.598	6.372	2.02041	-.05013	.00451	.00226	-.01886	-.23673	-.26830	459.20968	6.99000	3.00488
.600	7.438	2.01551	-.04864	.00417	.00201	-.02029	-.22980	-.26089	461.64698	6.96000	3.00488
.599	8.499	2.00938	-.04763	.00417	.00159	-.02216	-.22973	-.26019	460.81477	6.97000	2.99487
.599	9.568	2.00280	-.04639	.00398	.00117	-.02303	-.22922	-.25985	460.81640	6.97000	2.98485
.599	10.633	1.99624	-.04600	.00380	.00115	-.02293	-.23042	-.26124	460.47917	6.97000	2.99487
.600	11.701	1.98778	-.04340	.00335	.00135	-.02371	-.23160	-.26251	461.48090	7.01000	2.97483
.601	12.772	1.97728	-.05318	.00819	.00670	-.02602	-.23731	-.26576	462.56839	7.03000	2.97483
.599	13.825	1.96909	-.05225	.00762	.00916	-.03125	-.24518	-.27134	460.64208	6.98000	3.02492
.599	14.893	1.96290	-.05104	.00571	.00856	-.03723	-.24947	-.27716	460.31785	6.99000	3.00488
.599	17.024	1.94060	-.03964	.00212	-.00001	-.03957	-.26710	-.29994	460.81803	6.96000	2.97483
.600	19.176	1.91715	-.04196	.00292	-.00139	-.05188	-.28794	-.32165	461.56394	7.04000	3.02492
	GRADIENT	.00062	-.00066	-.00009	-.00023	-.00090	.00070	.00116	.14830	-.00357	-.00007

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TABULATED SOURCE DATA - LA62

PAGE 462

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 214/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.894	2.02893	-.05094	.00633	.00471	-.00586	-.24264	-.27911	523.23342	7.01088	3.01452
.700	-2.099	2.03345	-.05138	.00602	.00397	-.00819	-.24137	-.27715	522.45381	7.01088	3.01452
.700	-1.046	2.03514	-.05171	.00590	.00368	-.00890	-.23982	-.27436	523.15677	7.02088	3.00451
.701	.030	2.03610	-.05204	.00579	.00360	-.01000	-.23971	-.27319	523.38994	7.01088	3.00451
.701	1.096	2.03684	-.05235	.00548	.00332	-.01127	-.23734	-.27039	523.31006	7.01088	3.01452
.700	2.163	2.03622	-.05242	.00532	.00331	-.01278	-.23701	-.26977	523.07363	7.01088	3.00451
.701	3.237	2.03389	-.05168	.00526	.00273	-.01464	-.23486	-.26627	523.46332	6.99087	3.00451
.701	4.307	2.03208	-.05197	.00510	.00268	-.01586	-.23302	-.26353	523.54645	7.00088	3.00451
.700	5.381	2.02778	-.05051	.00494	.00230	-.01817	-.23155	-.26003	522.52725	7.00088	2.99449
.700	6.452	2.02385	-.05015	.00483	.00231	-.01985	-.22735	-.25462	523.15028	6.99087	2.99449
.701	7.542	2.01888	-.04958	.00472	.00219	-.02286	-.22551	-.25217	523.54319	7.00088	3.00451
.701	8.609	2.01287	-.04888	.00472	.00207	-.02531	-.22517	-.25154	523.30030	7.01088	2.99449
.700	9.691	2.00688	-.04774	.00424	.00255	-.02785	-.22596	-.25113	523.23342	6.98087	2.97446
.701	10.760	1.99894	-.05000	.00557	.00515	-.02875	-.22908	-.25513	523.31006	6.99087	2.99449
.700	11.812	1.99191	-.05002	.00546	.00647	-.02798	-.23535	-.25825	523.07688	6.99087	3.04457
.700	12.876	1.98500	-.05189	.00569	.00867	-.02987	-.24197	-.26532	522.45704	7.02088	2.98448
.701	13.952	1.97605	-.04857	.00449	.00634	-.03298	-.24827	-.27513	523.38994	6.99087	2.98448
.700	15.049	1.96725	-.04635	.00326	.00565	-.03840	-.25635	-.28932	523.15677	6.96087	2.94442
.700	17.202	1.94636	-.04365	.00209	.00282	-.04766	-.27871	-.30967	522.69032	7.01088	2.99449
.700	19.366	1.92368	-.04349	.00145	-.00013	-.05108	-.30465	-.33815	523.07363	6.99087	3.00451
GRADIENT		.00035	-.00012	-.00015	-.00023	-.00121	.00116	.00189	.06817	-.00202	-.00118

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 463

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = 5.000 AILRON = 2.000

RUN NO. 209/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.807	2.03267	-.05373	.00736	.00357	.00004	-.25136	-.28250	577.42003	6.96087	2.98448
.801	-2.294	2.03545	-.05306	.00715	.00339	-.00256	-.24878	-.27894	578.10274	6.98087	2.99449
.801	-1.044	2.03749	-.05309	.00691	.00306	-.00453	-.24571	-.27478	578.30997	6.98087	3.00451
.801	.085	2.03976	-.05442	.00673	.00280	-.00624	-.24431	-.27192	578.04206	6.97087	3.01452
.800	1.064	2.04072	-.05519	.00655	.00258	-.00812	-.24221	-.26986	577.49336	6.98087	2.99449
.800	2.049	2.04025	-.05498	.00631	.00239	-.01025	-.23928	-.26666	577.68814	6.97087	3.00451
.801	3.208	2.03752	-.05323	.00595	.00236	-.01254	-.23523	-.26246	578.32260	6.96087	3.01452
.800	4.382	2.03575	-.05396	.00587	.00207	-.01524	-.23323	-.25968	577.84106	6.95087	2.99449
.800	5.457	2.03143	-.05339	.00601	.00221	-.01924	-.23047	-.25735	577.57297	6.95087	2.98448
.800	6.453	2.02671	-.05331	.00635	.00292	-.02301	-.22830	-.25600	577.56668	6.94087	2.98448
.801	7.484	2.02236	-.05312	.00625	.00420	-.02602	-.22764	-.25330	577.89546	6.94087	2.96445
.800	8.596	2.01647	-.05154	.00576	.00380	-.02654	-.22909	-.25341	577.27337	6.94087	2.95443
.800	9.595	2.01074	-.04946	.00502	.00312	-.02510	-.23054	-.25296	577.40116	6.95087	2.96445
.799	10.801	2.00286	-.04779	.00448	.00236	-.02455	-.23469	-.25643	576.86470	6.94087	2.97446
.800	11.847	1.99453	-.04567	.00406	.00138	-.02504	-.24063	-.26299	577.70703	6.91086	2.95443
.800	12.865	1.98882	-.04714	.00389	.00392	-.02852	-.24843	-.27007	577.62112	6.91086	2.92439
.800	13.937	1.98152	-.04753	.00347	.00522	-.03621	-.25695	-.28290	577.42003	7.01088	2.94442
.800	15.039	1.97283	-.04674	.00277	.00584	-.04865	-.26770	-.29713	577.43261	6.97087	2.95443
.800	17.724	1.94875	-.04755	.00202	.00267	-.06118	-.29463	-.32895	577.49336	6.96087	2.99449
	GRADIENT	.00046	-.00009	-.00013	-.00019	-.00185	.00226	.00282	.02162	-.00185	.00169

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TABULATED SOURCE DATA - LA62

PAGE 464

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 204/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-3.886	2.03306	-.05382	.00820	-.00024	.02144	-.27565	-.30148	624.76541	7.01088	2.98448
.900	-2.213	2.03705	-.05535	.00852	-.00080	.01405	-.27042	-.29501	625.20904	7.03088	3.00451
.900	-1.149	2.03884	-.05534	.00830	-.00136	.00856	-.26632	-.29017	625.37821	7.05088	3.02454
.900	-.057	2.04044	-.05594	.00813	-.00160	.00354	-.26368	-.28730	625.09013	7.00088	3.03455
.900	.996	2.04105	-.05627	.00796	-.00158	-.00147	-.26026	-.28339	625.14959	7.02088	3.03455
.899	2.177	2.04003	-.05620	.00788	-.00005	-.00471	-.25690	-.27981	624.75630	7.03088	3.06460
.900	3.228	2.03822	-.05649	.00801	.00074	-.00858	-.25146	-.27526	625.14046	7.02088	3.06460
.899	4.261	2.03583	-.05682	.00812	.00139	-.01166	-.24979	-.27514	624.27108	6.97087	3.02454
.899	5.443	2.03171	-.05678	.00829	.00213	-.01709	-.24300	-.27496	624.66461	6.95087	3.01452
.900	6.480	2.02849	-.05612	.00785	.00321	-.02139	-.24776	-.27622	624.95296	6.94087	3.00451
.900	7.622	2.02373	-.05080	.00577	.00138	-.02375	-.24804	-.27560	625.20904	6.95087	2.98448
.899	8.644	2.01869	-.04955	.00524	.00224	-.02693	-.25092	-.27676	624.28017	6.96087	2.97446
.898	9.777	2.01187	-.04712	.00443	.00141	-.03216	-.25358	-.27566	623.94088	6.96087	3.01452
.900	10.806	2.00534	-.04382	.00320	.00106	-.03703	-.25921	-.27697	625.24553	6.94087	2.99449
.899	11.912	2.00037	-.04258	.00179	.00268	-.04302	-.27246	-.28742	624.27108	6.82085	2.87431
.900	12.949	1.99482	-.04054	.00024	.00386	-.05126	-.28743	-.29917	625.14959	7.09089	3.00451
.899	14.021	1.98695	-.03917	-.00064	.00385	-.05899	-.29272	-.30445	624.57781	6.94087	2.95443
.900	15.159	1.97973	-.03842	-.00191	.00442	-.06795	-.30509	-.31963	625.28673	7.04088	3.06460
.898	17.328	1.96027	-.03985	-.00217	.00291	-.07389	-.31945	-.33960	624.00048	7.06088	3.01452
.899	19.499	1.93940	-.03487	-.00531	.00191	-.07090	-.34075	-.36933	624.22062	7.03088	2.93440
	GRADIENT	.00035	-.00032	-.00005	.00023	-.00410	.00323	.00335	-.05393	-.00360	.00755

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 200/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.918	2.03235	-.04822	.00647	-.00111	.03399	-.28282	-.30991	634.93869	7.04088	2.94442
.920	-2.200	2.03686	-.04962	.00659	-.00214	.02018	-.27974	-.30515	634.35646	7.15089	3.02454
.921	-1.090	2.03834	-.04815	.00593	-.00193	.01198	-.27675	-.30093	634.65750	7.09089	3.05458
.920	-.008	2.04030	-.04980	.00604	-.00232	.00462	-.27503	-.29910	634.36607	7.06088	3.09464
.921	1.102	2.04913	-.04917	.00574	-.00189	-.00292	-.27101	-.29423	634.48267	7.07088	3.11467
.920	2.203	2.03987	-.05113	.00620	-.00065	-.00868	-.26871	-.29232	634.35646	7.04088	3.08463
.920	3.298	2.03825	-.05231	.00557	.00000	-.01342	-.26517	-.28916	634.24944	6.99087	3.13470
.921	4.373	2.03496	-.05267	.00696	.00081	-.01939	-.26070	-.28665	635.13269	6.91086	3.15473
.920	5.451	2.03210	-.05253	.00675	.00214	-.02513	-.25976	-.29747	634.43398	7.07088	3.03455
.921	6.532	2.02795	-.05029	.00595	.00248	-.02919	-.26026	-.28389	634.70561	7.07088	3.03455
.920	7.623	2.02247	-.04584	.00448	.00146	-.03032	-.26125	-.28157	634.13277	7.02088	2.98448
.920	8.707	2.02052	-.04503	.00304	.00275	-.03176	-.26603	-.28224	634.26864	6.94087	2.95443
.920	9.800	2.01355	-.04220	.00220	.00227	-.04040	-.26855	-.28289	634.46281	6.92087	2.92439
.920	10.894	2.00555	-.04030	.00180	.00123	-.04779	-.27920	-.29400	634.20071	7.08089	2.98448
.920	11.981	1.99979	-.03990	.00102	.00227	-.05393	-.28829	-.30206	634.12318	6.98087	2.87431
.921	13.068	1.99327	-.03583	-.00113	.00276	-.06421	-.30450	-.32066	634.41476	6.96087	2.96445
.920	14.187	1.98681	-.03554	-.00220	.00338	-.07191	-.31075	-.32811	634.33657	6.93087	2.88433
.920	15.253	1.97909	-.03486	-.00311	.00347	-.07988	-.32268	-.34370	634.26864	7.01088	3.01452
.920	17.432	1.96116	-.03570	-.00414	.00244	-.08929	-.34292	-.36412	633.76344	6.94087	3.04457
.920	19.604	1.94074	-.03088	-.00741	.00121	-.08606	-.36471	-.39504	634.25904	7.23090	3.01452
GRADIENT		.02035	-.00054	.00004	.00028	-.00637	.00264	.00284	-.00399	-.01816	.02249

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TABULATED SOURCE DATA - LA62

PAGE 466

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 196/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.952	2.03337	-.04521	.00520	.00247	.04562	-.31551	-.33746	646.74469	7.04088	2.99449
.950	-2.216	2.03765	-.04571	.00510	.00139	.02560	-.30873	-.32815	647.23275	7.07088	3.01452
.951	-1.125	2.03922	-.04530	.00481	.00049	.01545	-.30644	-.32478	647.20955	7.06088	3.01452
.951	-.027	2.03993	-.04524	.00469	-.00031	.00612	-.30421	-.32172	647.30540	7.06088	3.04457
.951	1.070	2.04130	-.04616	.00450	-.00051	-.00348	-.30307	-.31950	647.13261	7.07088	3.05458
.950	2.210	2.04054	-.04634	.00443	-.00062	-.01412	-.30009	-.31520	646.72153	7.11089	3.06460
.950	3.283	2.03775	-.04542	.00439	-.00051	-.02244	-.29681	-.31145	646.99455	6.98087	3.12469
.950	4.366	2.03331	-.04433	.00456	-.00001	-.03060	-.29500	-.31013	646.95236	6.92087	3.05458
.950	5.515	2.02889	-.04452	.00491	.00049	-.03924	-.29410	-.31009	646.77941	6.76085	3.03455
.950	6.558	2.02487	-.04674	.00579	.00185	-.04479	-.29204	-.30865	646.75626	7.11089	3.01452
.950	7.671	2.02021	-.04547	.00523	.00229	-.04958	-.29193	-.30781	646.74469	7.14089	3.00451
.950	8.766	2.01411	-.04192	.00405	.00208	-.05347	-.29397	-.30755	646.48720	7.14089	2.90436
.949	9.830	2.00751	-.03967	.00335	.00217	-.05797	-.29776	-.31072	646.44492	7.09089	2.91437
.949	10.932	2.00062	-.03822	.00275	.00196	-.06472	-.30607	-.32129	646.35642	6.88086	2.88433
.949	12.030	1.98970	-.03587	.00287	.00160	-.07534	-.31837	-.33584	646.32568	7.26091	2.94442
.949	13.102	1.99177	-.03672	-.00012	.00252	-.08784	-.32829	-.35334	646.44492	7.23090	3.02454
.950	14.227	1.98760	-.03664	-.00186	.00326	-.09455	-.33815	-.36655	646.68336	7.20090	2.93440
.949	15.311	1.98049	-.03530	-.00327	.00268	-.09976	-.34741	-.37746	646.39108	7.14089	2.95443
.950	17.485	1.95989	-.03535	-.00369	.00138	-.11044	-.38231	-.41569	646.85636	6.97087	2.96445
.951	19.704	1.93999	-.03032	-.00739	-.00055	-.11420	-.42136	-.45152	647.22115	7.12089	2.96445
GRADIENT		.00011	.00003	-.00010	-.00032	-.00904	.00233	.00319	-.01040	-.01105	.01170

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 467

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = 5.000 AILRON = 2.000

RUN NO. 191/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.898	2.03509	-.04558	.00508	.00270	.05532	-.38697	-.41065	659.25465	7.02088	3.00451
.980	-2.202	2.03954	-.04555	.00469	.00153	.03467	-.37381	-.39732	659.28497	6.99087	3.01452
.980	-1.108	2.04086	-.04437	.00419	.00104	.02375	-.37005	-.39250	659.42222	7.00088	3.00451
.980	.001	2.04305	-.04467	.00374	.00042	.01348	-.36777	-.38858	659.20877	6.98087	3.00451
.981	1.120	2.04241	-.04392	.00354	.00011	.00242	-.36735	-.38554	659.42260	6.97087	3.00451
.980	2.213	2.04271	-.04415	.00318	.00014	-.00794	-.36758	-.38412	659.08667	7.00088	3.01452
.980	3.282	2.04024	-.04297	.00293	.00027	-.01815	-.36768	-.38303	659.07108	6.97087	3.00451
.980	4.398	2.03680	-.04216	.00286	.00067	-.02816	-.36836	-.38241	658.71932	6.98087	2.99449
.980	5.523	2.03163	-.04144	.00311	.00138	-.03875	-.37092	-.38365	658.93333	6.99087	2.98448
.980	6.586	2.02608	-.04265	.00405	.00133	-.04724	-.37639	-.38802	658.99440	7.00088	2.96445
.980	7.690	2.01934	-.04327	.00485	.00107	-.05370	-.38100	-.39201	658.81120	6.96087	3.01452
.980	8.773	2.01223	-.04511	.00605	.00153	-.06078	-.38662	-.39928	658.71932	6.95087	2.94442
.979	9.894	2.00415	-.04241	.00553	.00130	-.06802	-.39595	-.41356	658.59658	6.99087	2.87431
.979	10.960	1.99530	-.04141	.00578	.00108	-.07650	-.40691	-.42946	658.58084	6.95087	2.99449
.979	12.079	1.98476	-.03944	.00585	.00115	-.08525	-.42216	-.44547	658.64194	7.03088	3.00451
.979	13.184	1.97628	-.03716	.00496	.00098	-.09362	-.43649	-.45570	658.39754	7.02088	3.05458
.979	14.264	1.96322	-.04022	.00549	.00216	-.09638	-.44705	-.46159	658.48887	7.02088	3.04457
.979	15.360	1.96696	-.04051	.00316	.00231	-.09909	-.45216	-.47036	658.30555	7.01088	3.02454
.978	17.563	1.95083	-.03837	.00039	.00097	-.10637	-.46260	-.49408	658.02861	6.98087	3.01452
.981	19.754	1.92967	-.03256	-.00304	.00041	-.11826	-.50729	-.52521	659.36191	7.03088	3.01452
GRADIENT		.00026	.00039	-.00029	-.00025	-.00991	.00184	.00315	-.65605	-.00418	-.00087

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 468

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.8000 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 187/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-3.903	2.03548	-.03998	.00369	.00292	.06608	-.37846	-.38878	708.44002	7.08911	2.99374
1.121	-2.251	2.04048	-.04081	.00349	.00121	.04692	-.37470	-.38702	708.70884	6.98913	3.00375
1.121	-1.156	2.04143	-.04029	.00335	.00036	.03144	-.36986	-.38552	708.55877	6.99913	2.98373
1.121	-.053	2.04350	-.04016	.00282	.00025	.01536	-.36674	-.38452	708.54302	6.99913	2.96370
1.122	1.021	2.04524	-.04021	.00226	.00025	-.00030	-.36590	-.38466	708.85880	6.98913	2.92365
1.121	2.185	2.04366	-.03828	.00164	.00037	-.01524	-.36538	-.38492	708.61930	6.92913	2.99374
1.121	3.225	2.04119	-.03653	.00118	.00051	-.02825	-.36651	-.38617	708.36375	6.95913	2.96370
1.121	4.420	2.03965	-.03642	.00077	.00059	-.04044	-.36832	-.38908	708.28748	6.93913	2.96370
1.121	5.508	2.03537	-.03541	.00065	.00133	-.04984	-.37142	-.39193	708.57450	6.92913	2.95369
1.121	6.475	2.03038	-.03426	.00061	.00194	-.05754	-.37623	-.39607	708.35028	6.95913	2.94368
1.120	7.665	2.02434	-.03398	.00074	.00206	-.06595	-.37933	-.39860	708.24480	7.00912	2.95369
1.121	8.872	2.01653	-.03260	.00069	.00022	-.07173	-.38421	-.40269	708.33459	6.95913	2.95369
1.121	9.901	2.00920	-.03291	.00120	.00167	-.07485	-.38578	-.40414	708.44002	6.95913	2.96370
1.120	10.953	2.00229	-.03419	.00172	.00135	-.08007	-.38867	-.40613	708.36597	6.96913	2.94368
1.121	12.047	1.99500	-.03434	.00165	.00124	-.08574	-.39479	-.41057	708.57685	7.03912	3.05382
1.120	13.201	1.98802	-.03826	.00255	.00239	-.09227	-.40415	-.41691	708.32107	6.96913	2.97372
1.120	14.366	1.98126	-.03974	.00219	.00506	-.10201	-.41535	-.42309	708.21555	6.98913	2.97372
1.119	15.385	1.97289	-.03917	.00168	.00523	-.10574	-.42625	-.43074	707.62677	7.01912	2.98373
1.118	17.530	1.95499	-.03627	-.00056	.00330	-.11685	-.45605	-.45920	707.38714	6.99913	2.97372
1.118	19.701	1.93432	-.03471	-.00239	.00294	-.12329	-.47058	-.48562	707.41948	6.93913	2.94368
	GRADIENT	.00046	.00053	-.00039	-.00022	-.01319	.00133	.00006	-.02190	-.01508	-.00431

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TABULATED SOURCE DATA - LA62

PAGE 469

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3041) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6600 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = 2.000

RUN NO. 180/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.877	2.03981	-.04401	.00437	.00111	.06373	-.37367	729.93721	7.04912	3.08385
1.200	-2.306	2.04349	-.04355	.00402	.00047	.04085	-.37160	730.26667	6.99913	2.98373
1.200	-1.124	2.04628	-.04364	.00363	.00029	.02478	-.37020	730.14462	6.96913	2.94368
1.201	.007	2.04761	-.04276	.00304	.00041	.00947	-.36821	730.25887	6.89914	2.96370
1.201	1.051	2.04867	-.04202	.00238	.00052	-.00438	-.36654	730.49502	6.94913	2.97372
1.201	2.129	2.04802	-.04085	.00182	.00052	-.01810	-.36527	730.37856	6.98913	2.95369
1.201	3.279	2.04613	-.03951	.00130	.00040	-.03092	-.36638	730.34944	6.95913	2.95369
1.200	4.387	2.04212	-.03731	.00084	.00059	-.04209	-.37274	730.22407	6.95913	2.96370
1.200	5.496	2.03928	-.03728	.00067	.00129	-.05253	-.37347	729.95855	6.94913	2.94368
1.200	6.530	2.03419	-.03670	.00078	.00106	-.06216	-.37548	730.10973	6.93913	2.93367
1.200	7.597	2.02808	-.03502	.00055	.00025	-.07017	-.37869	730.21051	6.93913	2.92365
1.200	8.726	2.02097	-.03431	.00066	-.00009	-.07727	-.38358	730.02435	7.03912	2.92365
1.199	9.856	2.01300	-.03301	.00058	-.00083	-.08346	-.38756	729.83040	6.97913	3.08385
1.200	11.029	2.00619	-.03440	.00090	-.00004	-.08935	-.39013	730.23957	6.93913	3.02378
1.200	12.094	1.99898	-.03331	.00037	.00009	-.09514	-.39029	730.18918	6.95913	2.96370
1.200	13.131	1.99373	-.03634	.00071	.00144	-.10259	-.39794	729.80136	7.08911	2.96370
1.199	14.219	1.98623	-.03634	.00023	.00240	-.11011	-.40623	729.63013	7.04912	2.98373
1.199	15.365	1.97816	-.03686	-.00025	.00292	-.11469	-.42083	729.78900	6.90914	2.91364
1.199	17.689	1.95849	-.03368	-.00261	.00219	-.12550	-.42824	729.93270	6.90914	2.92365
1.200	19.810	1.93737	-.03007	-.00494	.00135	-.13058	-.44108	730.39073	7.08911	3.05382
	GRADIENT	.00041	.00078	-.00046	-.00004	-.01289	-.00053	.03614	-.00797	-.01045

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 470

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 ATLRON = 2.000

RUN NO. 217/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.813	2.02378	-.04494	.00469	.00290	-.04383	-.25113	-.29644	462.47880	11.97000	8.03305
.601	-2.032	2.02953	-.04826	.00483	.00221	-.04573	-.24952	-.29605	462.30950	12.01000	8.02304
.600	-.972	2.03246	-.05020	.00468	.00217	-.04691	-.25006	-.29740	461.05745	12.02000	8.01302
.600	.081	2.03295	-.04995	.00449	.00226	-.04761	-.24870	-.29519	461.05908	12.03000	8.01302
.601	1.139	2.03384	-.05068	.00425	.00223	-.04892	-.24697	-.29266	462.31115	12.02000	8.01302
.600	2.197	2.03295	-.05008	.00390	.00197	-.05026	-.24721	-.29083	460.97765	12.02000	8.01302
.601	3.251	2.03077	-.04948	.00388	.00195	-.05149	-.24531	-.28628	462.22979	12.03000	7.99299
.600	4.320	2.02888	-.05004	.00383	.00199	-.05322	-.24327	-.28272	462.23802	12.04000	7.98297
.600	5.384	2.02551	-.04955	.00371	.00203	-.05580	-.24244	-.27921	461.89936	12.01000	8.04307
.601	6.449	2.02008	-.04797	.00381	.00192	-.05815	-.23964	-.27197	462.65304	12.03000	8.01302
.601	7.513	2.01519	-.04750	.00375	.00197	-.06091	-.23949	-.26896	462.31609	12.03000	8.01302
.600	8.588	2.00928	-.04707	.00382	.00253	-.06425	-.24084	-.26935	461.39621	12.01000	8.01302
.601	9.647	2.00297	-.04639	.00375	.00283	-.06670	-.24119	-.27150	462.31774	12.01000	8.00300
.600	10.715	1.99594	-.04590	.00369	.00256	-.06774	-.24177	-.27569	461.56394	12.02000	7.99299
.600	11.777	1.98864	-.04567	.00357	.00258	-.06859	-.24575	-.28223	461.14378	12.00000	7.99299
.600	12.842	1.97768	-.05399	.00805	.00877	-.07148	-.25287	-.29028	461.81305	11.97000	7.96294
.601	13.911	1.96997	-.05280	.00715	.01067	-.07756	-.26040	-.29842	462.31445	11.98000	8.01302
.600	14.983	1.96250	-.05094	.00553	.00954	-.08264	-.26491	-.30497	461.89772	11.98000	7.99299
.601	17.118	1.93954	-.03913	.00200	-.00132	-.08453	-.28937	-.33777	462.22979	11.97000	7.98297
.600	19.258	1.91647	-.04103	.00244	-.00214	-.09622	-.31019	-.36466	461.65190	11.97000	7.99299
	GRADIENT	.00054	-.00048	-.00014	-.00009	-.00112	.00091	.00173	-.01957	.00046	-.00533

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 471

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 ATLON = 2.000

RUN NO. 213/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.701	-3.856	2.02906	-.04753	.00503	.00208	-.04026	-.25164	-.29418	523.55621	12.01150	8.04206
.701	-2.062	2.03330	-.04790	.00481	.00183	-.04297	-.24859	-.29066	523.94580	12.01150	8.03205
.701	-.996	2.03631	-.05029	.00494	.00188	-.04422	-.24755	-.28964	523.64259	12.01150	8.01202
.701	.070	2.03734	-.05032	.00467	.00178	-.04548	-.24672	-.28716	523.79584	12.02150	8.02203
.701	1.127	2.03777	-.05059	.00446	.00191	-.04745	-.24518	-.28383	523.87896	12.02150	8.02203
.701	2.208	2.03751	-.05049	.00410	.00173	-.04938	-.24473	-.28099	523.87245	12.01150	8.01202
.701	3.275	2.03639	-.05107	.00405	.00167	-.05148	-.24259	-.27691	523.95883	12.01150	8.01202
.700	4.348	2.03262	-.04901	.00372	.00143	-.05407	-.24106	-.27231	523.08337	12.00150	8.02293
.700	5.425	2.02939	-.04977	.00399	.00162	-.05684	-.23881	-.26707	523.07688	12.00150	8.01202
.701	6.499	2.02449	-.04873	.00398	.00149	-.05980	-.23576	-.26042	523.77304	12.00150	8.00200
.700	7.580	2.01916	-.04949	.00410	.00183	-.06525	-.23618	-.25909	522.61041	11.95149	7.99199
.700	8.665	2.01287	-.04786	.00421	.00261	-.06967	-.23689	-.26053	522.98724	11.98150	8.00200
.700	9.756	2.00717	-.04856	.00427	.00395	-.07368	-.23832	-.26421	522.83394	11.98150	8.01202
.700	10.811	2.00012	-.05218	.00578	.00723	-.07412	-.24197	-.27233	522.76700	12.00150	7.99199
.701	11.871	1.99284	-.05482	.00674	.01254	-.07460	-.24835	-.28315	523.23017	11.97150	7.97196
.700	12.927	1.98465	-.05098	.00533	.00897	-.07472	-.25516	-.29175	522.85015	11.97150	7.99199
.701	14.021	1.97633	-.04755	.00376	.00515	-.07722	-.26306	-.30195	523.54970	11.96150	7.96194
.700	15.088	1.96817	-.04651	.00281	.00571	-.08289	-.27409	-.31506	523.16002	11.99150	8.00200
.700	17.252	1.94753	-.04382	.00147	.00102	-.09138	-.30179	-.34638	523.08662	11.98150	7.99199
.700	19.422	1.92406	-.04298	.00083	-.00004	-.09475	-.32920	-.37741	523.00672	12.05151	7.99199
GRADIENT		.00052	-.00030	-.00015	-.00006	-.00165	.00121	.00262	-.02247	-.00068	-.00266

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 472

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 208/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.801	-3.767	2.03115	-.04736	.00553	.00135	-.03222	-.25844	-.29289	578.09643	11.97150	8.04206
.801	-2.094	2.03657	-.04948	.00550	.00104	-.03634	-.25743	-.29106	578.23038	11.98150	8.04206
.801	-1.064	2.03856	-.04987	.00531	.00086	-.03842	-.25428	-.28778	578.30366	11.98150	8.04206
.801	-.015	2.04067	-.05113	.00518	.00091	-.04099	-.25243	-.28417	578.50452	11.99150	8.03205
.801	1.055	2.04109	-.05085	.00480	.00109	-.04395	-.24995	-.28010	578.23038	11.97150	8.03205
.801	2.121	2.03956	-.05015	.00470	.00073	-.04760	-.24576	-.27403	578.17803	11.99150	8.03205
.801	3.235	2.03905	-.05049	.00437	.00059	-.05100	-.24361	-.26877	578.45021	11.97150	8.02203
.801	4.315	2.03647	-.05076	.00448	.00052	-.05504	-.24118	-.26528	578.04836	11.98150	8.02203
.800	5.498	2.03190	-.05027	.00462	.00109	-.06028	-.23900	-.26150	577.70073	11.97150	8.01202
.800	6.562	2.02762	-.05105	.00502	.00211	-.06538	-.23908	-.26023	577.49336	11.96150	8.00200
.800	7.653	2.02211	-.05103	.00526	.00437	-.07023	-.23944	-.25868	577.63371	11.93149	7.94191
.800	8.653	2.01714	-.05064	.00507	.00500	-.07116	-.24212	-.26097	577.01769	11.95149	7.81172
.800	9.684	2.01057	-.04844	.00451	.00438	-.07106	-.24320	-.26283	577.76775	11.96150	8.00200
.800	10.779	2.00331	-.04605	.00372	.00211	-.06900	-.24774	-.27103	577.28594	11.95149	7.96154
.800	11.875	1.99648	-.04668	.00367	.00205	-.07026	-.25403	-.28203	577.56039	11.96150	7.96194
.800	12.997	1.98842	-.04617	.00329	.00403	-.07507	-.26021	-.29183	577.75515	11.94149	7.93190
.800	14.078	1.98139	-.04709	.00288	.00472	-.08195	-.27076	-.30548	577.27965	11.94149	7.91187
.800	15.219	1.97268	-.04627	.00204	.00467	-.09918	-.29105	-.32852	577.29222	12.02150	7.99199
.800	17.293	1.95353	-.04601	.00137	.00234	-.10777	-.31348	-.35344	577.10359	12.02150	7.98197
.800	19.416	1.93257	-.04444	-.00029	.00253	-.09879	-.33654	-.38113	577.28594	12.01150	7.91187
GRADIENT		.00061	-.00033	-.00016	-.00009	-.00280	.00231	.00369	.00266	.00039	-.00285

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 473

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
RUDDER = .000 BDFLAP = .000
ELEVON = 10.000 AILRON = 2.000

RUN NO. 203/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-3.853	2.03334	-.04729	.00567	.00032	-.00461	-.28014	-.30544	625.12221	12.03150	8.02203
.900	-2.297	2.03741	-.04961	.00618	.00044	-.01519	-.27692	-.30174	625.00331	12.02150	8.05208
.899	-1.212	2.04085	-.05174	.00626	.00013	-.02207	-.27389	-.29748	624.75630	12.02150	8.06209
.900	-.043	2.04334	-.05253	.00591	.00019	-.02847	-.26924	-.29220	625.31878	12.03150	8.09214
.900	1.155	2.04235	-.05158	.00574	.00060	-.03623	-.26600	-.28773	625.25022	12.01150	8.08212
.900	2.166	2.04281	-.05340	.00594	.00142	-.04319	-.26174	-.28248	625.22728	12.02150	8.04206
.900	3.264	2.03990	-.05238	.00589	.00167	-.04970	-.26041	-.28029	625.08101	12.02150	8.04206
.899	4.295	2.03676	-.05206	.00593	.00213	-.05592	-.25866	-.27744	624.45877	12.01150	8.03205
.900	5.344	2.03415	-.05284	.00613	.00317	-.06172	-.25709	-.27435	625.21816	11.98150	8.00200
.899	6.420	2.03062	-.05016	.00497	.00372	-.06675	-.25834	-.27336	624.60510	11.94149	7.93190
.899	7.667	2.02677	-.04635	.00301	.00341	-.07535	-.26062	-.27525	624.58691	11.94149	7.96194
.899	8.716	2.02070	-.04330	.00210	.00348	-.07917	-.26549	-.27897	624.67371	11.95149	7.99199
.899	9.841	2.01414	-.04072	.00115	.00288	-.08563	-.27193	-.28475	624.92082	11.96150	7.93190
.900	10.982	2.00674	-.03863	.00039	.00132	-.09105	-.28098	-.29475	625.21816	11.96150	8.02203
.899	11.980	2.00090	-.03909	.00013	.00295	-.09676	-.29218	-.30773	624.28925	12.03150	7.96194
.900	13.016	1.99533	-.03862	-.00083	.00301	-.10234	-.30134	-.31854	624.98030	11.98150	7.98197
.900	14.001	1.98894	-.03730	-.00193	.00326	-.11123	-.30997	-.32886	625.34618	11.96150	8.00200
.899	15.147	1.98052	-.03619	-.00300	.00283	-.11727	-.32129	-.34328	624.84311	12.02150	7.97196
.898	17.447	1.96076	-.03799	-.00347	.00107	-.12294	-.34167	-.37126	623.92275	11.98150	7.96194
.898	19.557	1.93914	-.03129	-.00682	-.00017	-.11559	-.36407	-.40008	623.98234	12.06151	8.03205
	GRADIENT	.00048	-.00055	-.00000	.00023	-.00627	.00283	.00366	-.02844	-.00239	-.00015

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 474

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 199/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.910	2.03318	-.04499	.00498	.00116	.01124	-.28495	-.30824	634.12237	11.96150	8.03205
.920	-2.189	2.03768	-.04566	.00483	.00131	-.00651	-.28235	-.30331	634.09361	12.05151	8.08212
.920	-1.029	2.04019	-.04559	.00436	.00134	-.01576	-.27842	-.29828	634.28783	11.96150	8.09214
.920	.025	2.04327	-.04679	.00395	.00109	-.02502	-.27693	-.29656	634.02567	11.95149	8.08212
.919	1.080	2.04281	-.04642	.00383	.00116	-.03460	-.27516	-.29457	633.54898	11.94149	8.05208
.920	2.193	2.04170	-.04562	.00353	.00189	-.04498	-.27126	-.29005	633.94813	11.94149	8.02203
.919	3.314	2.03941	-.04593	.00376	.00169	-.05392	-.26927	-.28734	633.68494	11.96150	8.03205
.920	4.400	2.03669	-.04632	.00395	.00199	-.06287	-.26798	-.28432	633.79217	11.96150	8.01202
.920	5.491	2.03303	-.04747	.00449	.00290	-.06989	-.27008	-.28319	634.09361	11.96150	7.92188
.919	6.593	2.02948	-.04723	.00419	.00368	-.07541	-.27294	-.28297	633.24724	11.95149	7.78167
.920	7.683	2.02543	-.04610	.00354	.00354	-.08342	-.28137	-.28962	634.07443	11.94149	8.05208
.920	8.804	2.02191	-.04252	.00146	.00265	-.08532	-.28384	-.29480	633.83140	11.93149	8.03205
.920	9.890	2.01588	-.04146	.00098	.00297	-.09161	-.28757	-.30221	634.07443	11.96150	7.98197
.920	10.940	2.00768	-.03835	.00027	.00153	-.10043	-.29864	-.31718	634.00649	12.00150	7.99199
.920	12.003	2.00086	-.03803	-.00008	.00197	-.10678	-.30607	-.32518	634.52112	11.94149	7.94191
.920	13.108	1.99425	-.03557	-.00165	.00215	-.11439	-.31586	-.33407	634.26664	11.94149	7.94191
.921	14.207	1.98846	-.03633	-.00250	.00293	-.12216	-.32483	-.34459	634.42437	11.92149	7.93190
.920	15.295	1.98016	-.03486	-.00360	.00220	-.12773	-.33717	-.35837	634.07443	11.95149	7.93190
.920	16.388	1.97152	-.03600	-.00385	.00157	-.13209	-.34620	-.36860	633.89935	11.91149	7.92188
.920	17.471	1.96162	-.03503	-.00468	.00078	-.13692	-.36491	-.39315	634.12318	12.05151	7.98197
.921	19.633	1.94018	-.02850	-.00823	-.00111	-.12946	-.38255	-.42357	634.58903	11.93149	8.08212
GRADIENT		.00043	-.00011	-.00016	.00010	-.00885	.00214	.00284	-.05954	-.00505	-.00600

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TABULATED SOURCE DATA - LA62

PAGE 475

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 195/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.919	2.03532	-.04452	.00436	.00222	.01156	-.32240	-.34382	646.85225	11.91149	7.95193
.951	-2.200	2.03929	-.04333	.00369	.00199	-.00875	-.31538	-.33127	647.05568	11.91149	8.03205
.951	-1.061	2.04099	-.04218	.00310	.00171	-.02113	-.31488	-.32845	647.63200	11.92149	8.05208
.951	-.011	2.04312	-.04292	.00282	.00113	-.03088	-.31469	-.32646	647.50137	11.93149	8.05208
.950	1.094	2.04295	-.04269	.00266	.00077	-.04279	-.31317	-.32351	647.09047	11.92149	8.03205
.950	2.204	2.04279	-.04300	.00247	.00067	-.05468	-.31290	-.32312	646.88284	11.91149	8.01202
.950	3.316	2.03961	-.04151	.00230	.00134	-.06644	-.31268	-.32302	646.84066	11.92149	8.00200
.950	4.416	2.03531	-.04061	.00248	.00166	-.07699	-.31246	-.32195	646.76784	11.94149	7.97196
.950	5.488	2.03135	-.03985	.00240	.00201	-.08650	-.31220	-.32036	646.80256	11.95149	7.92188
.950	6.583	2.02724	-.04207	.00324	.00282	-.09625	-.31193	-.32082	646.59485	11.93149	7.74161
.950	7.735	2.02117	-.04414	.00433	.00343	-.10155	-.31174	-.32317	646.73718	11.86148	7.90185
.950	8.798	2.01503	-.04265	.00398	.00292	-.10906	-.31349	-.32709	646.64866	11.97150	7.94191
.950	9.886	2.00876	-.03793	.00220	.00201	-.11301	-.31799	-.33449	646.61798	11.94149	7.33190
.949	11.029	2.00176	-.03736	.00185	.00209	-.11886	-.32318	-.34208	646.44492	11.93149	7.93190
.949	12.095	1.99552	-.03548	.00070	.00164	-.12935	-.32979	-.35000	646.08712	11.92149	7.94191
.949	13.160	1.99573	-.03228	-.00096	.00285	-.13887	-.34017	-.36384	646.25257	11.94149	8.02203
.949	14.237	1.98834	-.03690	-.00203	.00225	-.14315	-.35179	-.37746	646.37186	11.99150	7.98197
.949	15.330	1.98123	-.03505	-.00366	.00116	-.14757	-.36877	-.39692	646.24103	11.98150	7.95193
.949	17.528	1.96189	-.03648	-.00407	-.00008	-.15611	-.40304	-.43405	646.52188	11.93149	7.95193
.949	19.682	1.93989	-.02718	-.00848	-.00364	-.15227	-.43898	-.47576	646.43337	11.98150	7.86179
	GRADIENT	.00012	.00036	-.00023	-.00011	-.01056	.00097	.00227	-.03922	.00227	-.00079

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 476

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 190/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.882	2.03403	-.04246	.00424	.00263	.01199	-.40158	-.42185	659.46727	12.00850	7.97997
.980	-2.187	2.03874	-.04258	.00381	.00217	-.00780	-.38656	-.40703	658.94847	11.98850	8.01001
.980	-1.073	2.04066	-.04179	.00327	.00146	-.01955	-.38353	-.40353	659.07061	12.02850	8.02003
.980	.007	2.04362	-.04298	.00292	.00084	-.02999	-.38044	-.40058	658.97875	11.92851	8.01001
.980	1.140	2.04293	-.04188	.00259	.00066	-.04121	-.37840	-.39855	658.73445	12.07849	8.03004
.980	2.208	2.04076	-.03945	.00200	.00077	-.05258	-.37844	-.39870	658.99440	12.02850	8.00000
.980	3.312	2.04004	-.03969	.00173	.00105	-.06466	-.38018	-.39973	658.78040	11.98850	8.01001
.980	4.447	2.03687	-.03813	.00127	.00176	-.07630	-.38193	-.40076	658.81066	12.02850	8.00000
.979	5.515	2.03213	-.03677	.00119	.00216	-.08729	-.38462	-.40226	658.56572	11.99850	7.93992
.979	6.639	2.02604	-.03695	.00183	.00234	-.09888	-.38911	-.40434	658.68791	11.97850	7.97997
.979	7.701	2.01943	-.03766	.00268	.00173	-.10757	-.39731	-.41026	658.45864	11.96850	7.96996
.979	8.840	2.00995	-.03856	.00416	.00169	-.11410	-.40400	-.41740	658.38173	11.97850	7.94994
.979	9.910	2.00265	-.04011	.00509	.00153	-.12193	-.41480	-.43088	658.54997	11.94851	7.98999
.979	11.005	1.99114	-.03929	.00617	.00097	-.12905	-.42313	-.44179	658.64194	11.87852	7.95995
.979	12.106	1.98276	-.03917	.00631	.00091	-.13704	-.43612	-.45913	658.38176	11.93851	7.94994
.979	13.237	1.97365	-.03935	.00648	.00108	-.14361	-.45143	-.46841	658.27392	12.03850	8.04005
.979	14.324	1.96521	-.04016	.00657	.00120	-.14639	-.46447	-.47772	658.70240	11.95851	7.98999
.979	15.404	1.95526	-.03797	.00579	.00026	-.15045	-.47370	-.48715	658.93226	11.95851	8.00000
.980	17.601	1.94817	-.03569	.00014	-.00080	-.15239	-.49335	-.52056	659.92405	11.92851	7.98999
.980	19.781	1.92675	-.02828	-.00381	-.00197	-.15835	-.51114	-.54257	659.45061	11.97850	8.12015
	GRADIENT	.00032	.00054	-.00036	-.00015	-.01048	.00203	.00217	-.06353	.00292	.00129

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 477

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 186/ 0 RN/L = 3.50. GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.121	-3.891	2.03950	-.03975	.00247	.00224	.02934	-.40197	-.41153	708.51396	11.99850	8.01001
1.121	-2.186	2.04259	-.03948	.00241	.00080	.00916	-.39823	-.40747	708.74035	11.98850	7.98999
1.122	-1.123	2.04376	-.03928	.00231	.00053	-.00545	-.39280	-.40206	709.00867	12.02850	7.98999
1.122	-.027	2.04629	-.03974	.00187	.00071	-.02256	-.38899	-.39926	708.66152	12.06949	7.94994
1.121	1.095	2.04706	-.03858	.00111	.00084	-.03821	-.38462	-.39701	708.64832	11.99850	8.02003
1.122	2.177	2.04599	-.03687	.00045	.00088	-.05279	-.38092	-.39553	708.79831	11.94851	8.01001
1.121	3.181	2.04538	-.03650	.00000	.00126	-.06559	-.37966	-.39550	708.40860	11.93851	7.94994
1.121	4.438	2.04169	-.03442	-.00058	.00169	-.08010	-.38062	-.39624	708.48487	11.97850	8.00000
1.121	5.510	2.03779	-.03338	-.00081	.00194	-.09150	-.38274	-.39691	708.59024	11.98850	7.97997
1.121	6.688	2.03167	-.03191	-.00089	.00164	-.10158	-.38542	-.39813	708.69257	11.98850	8.01001
1.120	7.702	2.02574	-.03078	-.00093	.00169	-.11055	-.39002	-.40042	708.09434	11.98850	7.96996
1.121	8.834	2.01895	-.03043	-.00076	.00192	-.11833	-.39112	-.39962	708.54542	11.95851	7.97997
1.120	9.861	2.01198	-.02913	-.00097	.00045	-.12367	-.39583	-.40222	707.91251	11.95851	7.98999
1.120	10.989	2.00513	-.03283	.00031	.00174	-.12546	-.39891	-.40616	708.09434	11.95851	7.94994
1.120	12.094	1.99735	-.03345	.00052	.00146	-.13098	-.40535	-.41557	708.11000	11.94851	7.97997
1.120	13.302	1.98936	-.03557	.00089	.00270	-.13848	-.41461	-.42567	708.13929	11.94851	7.96996
1.120	14.476	1.98230	-.03598	.00017	.00407	-.14447	-.42538	-.43462	708.03374	11.96850	7.96996
1.120	15.506	1.97367	-.03438	-.00070	.00374	-.14873	-.43176	-.43968	707.89878	11.96050	8.00000
1.119	17.620	1.95606	-.03209	-.00274	.00216	-.15790	-.45390	-.47497	707.79648	12.02850	8.05006
1.117	19.852	1.93438	-.02994	-.00479	.00159	-.16341	-.46671	-.49464	706.70749	12.00850	7.98999
	GRADIENT	.00041	.00062	-.00041	-.00002	-.01348	.00294	.00198	-.02317	-.00695	-.00151

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 478

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3042) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 179/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-3.867	2.04184	-.04218	.00313	.00067	.03005	-.39811	-.41441	730.13106	12.05849	8.01001
1.201	-2.174	2.04589	-.04240	.00297	.00069	.00611	-.39103	-.40606	730.25887	12.04849	7.97997
1.201	-1.054	2.04812	-.04216	.00258	.00079	-.00949	-.38841	-.40228	730.27233	12.07849	7.96996
1.201	-.035	2.05020	-.04189	.00199	.00067	-.02368	-.38573	-.39607	730.15032	11.89851	7.94994
1.201	.994	2.05032	-.04063	.00140	.00078	-.03755	-.38395	-.39280	730.26448	11.96850	7.96996
1.201	2.122	2.04984	-.03992	.00096	.00083	-.05107	-.38270	-.39092	730.18502	11.92851	7.94994
1.201	3.332	2.04749	-.03792	.00028	.00075	-.06572	-.38103	-.39022	730.19286	11.94851	7.94994
1.201	4.433	2.04426	-.03663	-.00005	.00082	-.07822	-.38041	-.38971	730.10776	11.95851	7.97997
1.201	5.403	2.04038	-.03537	-.00027	.00076	-.08923	-.38185	-.38545	730.15032	11.96850	7.97997
1.200	6.559	2.03508	-.03446	-.00034	.00046	-.10114	-.38389	-.38245	730.16592	11.99850	7.96996
1.200	7.660	2.02871	-.03316	-.00042	.00002	-.11037	-.38627	-.38321	729.93721	11.93851	7.94994
1.200	8.721	2.02237	-.03237	-.00045	.00009	-.11841	-.38975	-.38611	730.00895	11.94851	7.94994
1.200	9.875	2.01547	-.03159	-.00068	-.00026	-.12544	-.39575	-.39490	730.02435	11.93851	7.95995
1.200	11.009	2.00815	-.03079	-.00098	-.00060	-.13099	-.39834	-.39952	730.27445	11.96850	7.97997
1.201	12.065	2.00182	-.03081	-.00131	-.00004	-.13755	-.40163	-.40526	730.46034	11.94851	7.93992
1.201	13.220	1.99445	-.03342	-.00079	.00132	-.14375	-.40498	-.41202	730.58784	11.94851	7.92991
1.201	14.315	1.98707	-.03412	-.00108	.00207	-.15005	-.41255	-.42224	730.36520	11.93851	7.92991
1.201	15.352	1.97968	-.03455	-.00152	.00237	-.15480	-.42163	-.43204	730.22978	11.97850	7.93992
1.200	17.533	1.96175	-.03244	-.00354	.00177	-.16211	-.43781	-.45330	729.82274	11.94851	7.93992
1.199	19.775	1.94029	-.02919	-.00602	.00111	-.16567	-.45305	-.47834	729.96929	11.93851	7.96996
	GRADIENT	.00034	.00071	-.00042	.00002	-.01307	.00203	.00303	-.00577	-.01622	-.00436

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 479

LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 233/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.603	-3.954	2.02245	-.03937	.00319	.00044	.11503	-.15325	-.19270	465.23558	-10.03376	-10.00125
.603	-2.255	2.02720	-.04187	.00339	-.00026	.11017	-.15721	-.19074	465.48249	-10.02376	-10.02127
.603	-1.182	2.02960	-.04299	.00322	-.00056	.10810	-.16037	-.19038	465.14265	-10.03376	-10.02127
.603	-.128	2.03117	-.04311	.00280	-.00094	.10633	-.16294	-.19042	465.06648	-10.03376	-10.04130
.604	.981	2.03139	-.04360	.00280	-.00135	.10576	-.16388	-.18994	466.15197	-10.04377	-10.03129
.603	2.013	2.03031	-.04289	.00256	-.00142	.10482	-.16609	-.19102	465.23055	-10.03376	-10.02127
.603	3.075	2.02903	-.04268	.00232	-.00173	.10354	-.16670	-.19178	465.40467	-10.03376	-10.01126
.603	4.140	2.02693	-.04269	.00220	-.00194	.10260	-.16775	-.19199	465.32012	-10.04377	-10.02127
.603	5.162	2.02390	-.04225	.00207	-.00219	.10202	-.16907	-.19229	465.39963	-10.04377	-10.03129
.603	6.232	2.01924	-.04086	.00194	-.00284	.10122	-.16853	-.19175	465.48249	-10.03376	-10.02127
.603	7.306	2.01401	-.04012	.00199	-.00303	.10068	-.16964	-.19285	465.64652	-10.05377	-10.02127
.603	8.355	2.00799	-.03887	.00192	-.00313	.10006	-.16991	-.19399	464.98360	-10.05377	-10.03129
.603	9.456	2.00107	-.03796	.00197	-.00342	.09951	-.17187	-.19829	465.14432	-10.05377	-10.02127
.603	10.517	1.99421	-.03767	.00202	-.00400	.09966	-.17441	-.20314	465.56199	-10.05377	-10.02127
.603	11.572	1.98681	-.03688	.00183	-.00427	.09962	-.17593	-.20583	465.56535	-10.07378	-10.02127
.602	12.642	1.97837	-.03828	.00256	-.00390	.09314	-.18260	-.21473	464.56580	-10.10379	-10.05131
.603	13.729	1.96794	-.04207	.00477	-.00187	.09210	-.18744	-.22164	465.89841	-10.08378	-10.07133
.603	14.777	1.95989	-.04026	.00358	-.00075	.08809	-.19467	-.23178	464.81615	-10.02376	-10.03129
.603	16.897	1.94049	-.03766	.00213	-.00278	.08249	-.21088	-.25529	465.23558	-10.02376	-10.05131
.603	19.039	1.91644	-.03373	.00097	-.00797	.07692	-.23762	-.28894	465.48585	-10.03376	-10.05131
GRADIENT		.00050	-.00032	-.00015	-.00029	-.00142	-.00181	-.00000	.01794	-.00135	-.00103

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 229/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.804	-4.003	2.02978	-.04450	.00478	-.00059	.13227	-.16081	-.20057	580.64650	-10.04377	-10.08134
.804	-2.282	2.03391	-.04540	.00485	-.00145	.12009	-.16369	-.19496	580.49385	-10.05377	-10.10136
.804	-1.212	2.03669	-.04668	.00477	-.00187	.11401	-.16438	-.19282	580.43351	-10.05377	-10.10136
.804	-.142	2.03823	-.04678	.00443	-.00207	.11027	-.16631	-.19283	580.84664	-10.05377	-10.09135
.804	.955	2.04020	-.04829	.00422	-.00267	.10733	-.16753	-.19258	580.30641	-10.06377	-10.09135
.804	2.061	2.03802	-.04654	.00396	-.00308	.10440	-.16801	-.19116	580.57337	-10.05377	-10.10136
.804	3.132	2.03646	-.04621	.00377	-.00324	.10129	-.16752	-.19001	580.36677	-10.06377	-10.10136
.803	4.198	2.03380	-.04576	.00367	-.00377	.09731	-.16813	-.18995	580.09974	-10.07378	-10.11138
.804	5.259	2.03065	-.04495	.00339	-.00432	.09147	-.16863	-.19017	580.25242	-10.03376	-10.01126
.803	6.364	2.02585	-.04383	.00324	-.00475	.08475	-.17046	-.19254	580.01382	-10.03376	-10.03129
.804	7.461	2.02032	-.04213	.00290	-.00464	.07776	-.17105	-.19379	580.32557	-10.05377	-10.06132
.804	8.558	2.01499	-.04208	.00285	-.00360	.07603	-.17413	-.19780	580.45269	-10.06377	-10.08134
.804	9.632	2.00859	-.04053	.00240	-.00386	.07862	-.17584	-.20057	580.65929	-10.06377	-10.08134
.804	10.669	2.00251	-.04050	.00225	-.00380	.07712	-.18066	-.20673	580.36677	-10.03376	-10.03129
.803	11.774	1.99418	-.03903	.00191	-.00360	.07339	-.18621	-.21214	579.90578	-10.05377	-10.03129
.804	12.818	1.98690	-.03852	.00151	-.00249	.07535	-.19288	-.22077	580.71962	-10.05377	-10.07133
.804	13.872	1.97987	-.03867	.00099	-.00247	.07628	-.20165	-.23167	580.38594	-10.07378	-10.09135
.804	14.946	1.97347	-.03911	.00004	-.00107	.07562	-.21242	-.24683	580.59256	-10.07378	-10.11138
.803	17.123	1.95200	-.03817	-.00031	-.00445	.07485	-.23770	-.27743	579.99170	-10.01376	-9.95120
.804	19.276	1.93137	-.03921	-.00112	-.00398	.07620	-.27236	-.31457	580.73242	-9.99375	-10.03129
GRADIENT		.00054	-.00016	-.00016	-.00037	-.00394	-.00088	.00112	-.04767	-.00284	-.00228

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 225/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.951	2.03313	-.04786	.00605	-.00128	.17052	-.19633	-.23228	624.38528	-9.95373	-9.99124
.921	-2.293	2.03803	-.04976	.00625	-.00294	.15590	-.19339	-.22882	635.03590	-10.04377	-9.99124
.921	-1.184	2.04078	-.05090	.00618	-.00403	.14376	-.19314	-.22426	635.04554	-10.05377	-10.03129
.921	-.070	2.04229	-.05120	.00595	-.00445	.12943	-.19525	-.22329	634.65750	-10.04377	-10.05131
.921	1.024	2.04346	-.05190	.00575	-.00472	.11461	-.19605	-.22246	635.22985	-10.00375	-10.03129
.921	2.114	2.04216	-.05087	.00542	-.00492	.09966	-.19751	-.22333	634.55057	-10.01376	-10.04130
.921	3.227	2.04015	-.04995	.00512	-.00542	.08501	-.19661	-.22243	634.66713	-9.99375	-10.02127
.921	4.336	2.03601	-.04761	.00473	-.00569	.07276	-.19675	-.22196	634.59923	-9.99375	-10.05131
.921	5.432	2.03295	-.04773	.00469	-.00526	.06414	-.19791	-.22199	634.84190	-10.02376	-10.06132
.921	6.508	2.02751	-.04632	.00463	-.00424	.06218	-.20038	-.22295	635.23950	-9.99375	-10.04130
.920	7.576	2.02348	-.04518	.00398	-.00567	.05874	-.20212	-.22411	634.12318	-10.00375	-10.06132
.921	8.673	2.01959	-.04433	.00314	-.00466	.05767	-.19981	-.22228	634.71577	-9.99375	-10.05131
.920	9.731	2.01321	-.04241	.00252	-.00636	.05160	-.20975	-.23058	634.30776	-9.98374	-10.01126
.921	10.804	2.00594	-.04043	.00193	-.00618	.05184	-.21814	-.23769	634.74465	-10.00375	-10.04130
.922	11.882	1.99988	-.03820	.00061	-.00538	.04955	-.23035	-.25032	635.21055	-10.00375	-10.02127
.921	12.972	1.99443	-.03786	-.00048	-.00445	.05047	-.24052	-.26243	634.57942	-10.01376	-10.03129
.921	14.061	1.98585	-.03783	-.00065	-.00449	.04685	-.25379	-.27710	634.83227	-9.97374	-10.04130
.921	15.169	1.97875	-.03841	-.00139	-.00377	.04500	-.26392	-.29077	634.61847	-10.03376	-10.05131
.921	17.324	1.95961	-.03786	-.00238	-.00472	.03877	-.28786	-.32430	635.11341	-9.95373	-10.00125
.921	19.494	1.93915	-.03488	-.00489	-.00539	.04028	-.33063	-.37280	634.80291	-10.00375	-10.07133
	GRADIENT	.00042	-.00002	-.00018	-.00049	-.01223	-.00032	.00114	-.00857	.00069	-.00611

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3043) (16 SEP 75)

REFERENCE DATA

REF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 227/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.952	-3.999	2.03545	-.04779	.00552	-.00289	.20143	-.21815	-.25394	648.02636	-10.00375	-9.98123
.952	-2.278	2.03932	-.04910	.00586	-.00426	.17497	-.21541	-.24118	648.28270	-9.99375	-10.03129
.952	-1.174	2.04175	-.05020	.00589	-.00523	.15951	-.21434	-.23758	648.18719	-10.00375	-9.99124
.952	-.067	2.04383	-.05097	.00566	-.00532	.14233	-.21386	-.23565	648.18719	-9.99375	-9.98123
.952	1.030	2.04304	-.05052	.00564	-.00586	.12401	-.21274	-.23381	648.29437	-9.99375	-10.03129
.952	2.134	2.04270	-.05032	.00532	-.00604	.10490	-.21126	-.23355	647.96808	-9.99375	-9.97122
.952	3.255	2.04040	-.04981	.00526	-.00615	.08583	-.21088	-.23342	648.00305	-10.00375	-10.00125
.952	4.350	2.03705	-.04922	.00527	-.00612	.07241	-.20930	-.23003	648.01471	-10.01376	-9.99124
.952	5.439	2.03258	-.04908	.00558	-.00626	.05983	-.20784	-.22689	648.01471	-10.00375	-10.00125
.952	6.544	2.02733	-.04987	.00624	-.00562	.05179	-.20788	-.22597	647.87251	-10.00375	-10.00125
.952	7.633	2.02190	-.04946	.00628	-.00459	.04633	-.20828	-.22734	647.75360	-10.00375	-9.99124
.952	8.724	2.01485	-.04618	.00553	-.00584	.03860	-.21057	-.23021	648.21051	-10.00375	-10.03129
.952	9.804	2.00733	-.04402	.00513	-.00602	.03454	-.21754	-.23933	648.02636	-10.00375	-9.98123
.952	10.895	2.00028	-.04223	.00448	-.00596	.03076	-.22693	-.25217	647.90746	-9.99375	-10.03129
.951	11.964	1.98913	-.03866	.00428	-.00663	.02758	-.24272	-.26790	647.52737	-9.99375	-9.98123
.951	13.060	1.97999	-.03871	.00453	-.00560	.02521	-.26420	-.28576	647.87710	-10.00375	-10.02127
.952	14.145	1.98481	-.04231	.00145	-.00457	.01428	-.28902	-.30767	648.06832	-9.97374	-10.00125
.951	15.231	1.97870	-.04421	.00096	-.00401	.01058	-.30906	-.32690	647.72775	-9.99375	-10.03129
.952	17.419	1.95867	-.04075	-.00098	-.00518	.00187	-.36325	-.37514	648.16386	-9.97374	-9.98123
.952	19.584	1.94129	-.03811	-.00436	-.00449	.00365	-.39451	-.41144	648.04501	-10.01376	-10.05131
GRADIENT		.00024	-.00015	-.00006	-.00037	-.01575	.00098	.00234	-.01888	-.00084	.00071

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3043) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 PDBRK = 25.000
 RUDDER = .000 BULFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 231/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.916	2.04379	-.05210	.00632	-.00394	.13239	-.30442	-.34011	730.70926	-9.96374	-10.02127
1.203	-2.245	2.04673	-.05149	.00617	-.00409	.10436	-.30106	-.34394	730.86014	-9.99375	-10.06132
1.203	-1.136	2.04925	-.05064	.00547	-.00416	.08617	-.30035	-.35009	730.76442	-10.03376	-10.01126
1.204	-.047	2.04942	-.04857	.00476	-.00434	.06876	-.30183	-.35550	731.12104	-10.04377	-10.04130
1.204	1.069	2.05050	-.04788	.00410	-.00437	.05267	-.30714	-.35972	731.04154	-10.04377	-10.07133
1.204	2.140	2.04949	-.04573	.00327	-.00446	.03877	-.30895	-.36045	731.02051	-10.02376	-10.06132
1.204	3.234	2.04795	-.04459	.00275	-.00454	.02356	-.31238	-.36194	731.05432	-10.07378	-10.03129
1.204	4.333	2.04432	-.04263	.00230	-.00494	.01094	-.31642	-.36574	731.04607	-10.03376	-10.08134
1.204	5.437	2.04177	-.04214	.00189	-.00397	.00271	-.31738	-.36498	731.21780	-9.95373	-10.01126
1.204	6.524	2.03718	-.04116	.00167	-.00387	-.00554	-.32033	-.36653	731.13829	-9.97374	-10.05131
1.203	7.621	2.03010	-.03920	.00155	-.00404	-.01304	-.32754	-.37576	730.68966	-9.99375	-10.08134
1.203	8.778	2.02307	-.03744	.00120	-.00455	-.02011	-.33351	-.38416	730.83577	-10.00375	-10.02127
1.203	9.835	2.01571	-.03659	.00123	-.00480	-.02224	-.34241	-.39443	730.58754	-10.02376	-10.02127
1.203	10.954	2.00916	-.03647	.00100	-.00474	-.02585	-.35026	-.40434	731.12454	-10.04377	-10.10136
1.203	12.058	2.00150	-.03531	.00051	-.00500	-.03020	-.35465	-.41120	730.94920	-10.06377	-10.06132
1.203	13.155	1.99449	-.03570	.00021	-.00507	-.03610	-.36280	-.41653	730.85683	-10.05377	-10.04130
1.203	14.261	1.98708	-.03866	.00085	-.00401	-.04160	-.38131	-.40851	730.71733	-10.07378	-10.10136
1.205	15.377	1.97892	-.03957	.00056	-.00334	-.04585	-.39959	-.40591	731.91848	-10.06377	-10.07133
1.204	17.606	1.96016	-.03127	-.00372	-.00485	-.05344	-.41666	-.42890	731.07975	-10.08378	-10.05131
1.203	19.777	1.93666	-.02932	-.00472	-.00453	-.05420	-.43957	-.46199	730.68815	-10.10379	-10.10136
GRADIENT		.00016	.00120	-.00054	-.00011	-.01474	-.00173	-.00316	.04247	-.00921	-.00475

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3044) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 232/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.603	-3.778	2.02195	-.04023	.00382	-.00158	.02749	-.18150	-.22012	465.56367	.01000	.00000
.603	-2.129	2.02645	-.04167	.00371	-.00215	.02645	-.18248	-.22029	465.22719	.00000	.01002
.603	-1.082	2.02868	-.04320	.00377	-.00251	.02569	-.18255	-.21949	465.48417	.01000	.00000
.603	-.027	2.03021	-.04346	.00336	-.00282	.02479	-.18448	-.21950	465.31341	.01000	-.01001
.603	1.031	2.03151	-.04508	.00326	-.00274	.02439	-.18533	-.21894	464.89737	.01000	.00000
.603	2.091	2.02959	-.04364	.00312	-.00302	.02388	-.18522	-.21710	465.56535	.01000	-.02002
.603	3.148	2.02905	-.04426	.00283	-.00331	.02305	-.18594	-.21718	465.06648	.02000	-.03003
.603	4.225	2.02588	-.04306	.00270	-.00351	.02229	-.18553	-.21524	465.23558	.01000	-.01001
.603	5.306	2.02259	-.04258	.00257	-.00386	.02137	-.18589	-.21491	465.56703	.03000	-.02002
.603	6.360	2.01824	-.04212	.00263	-.00438	.01992	-.18573	-.21427	465.14768	.03000	-.02002
.603	7.390	2.01298	-.04071	.00249	-.00463	.01889	-.18518	-.21369	465.65324	.02000	-.02002
.603	8.466	2.00605	-.03827	.00230	-.00465	.01716	-.18718	-.21520	465.32012	.02000	-.03003
.603	9.572	2.00032	-.03844	.00218	-.00513	.01551	-.18861	-.21798	465.15270	.01000	-.04005
.603	10.616	1.99257	-.03657	.00204	-.00607	.01500	-.19062	-.22012	465.56871	.02000	-.04005
.603	11.669	1.98557	-.03522	.00144	-.00622	.01435	-.19567	-.22652	465.23222	.01000	-.02002
.603	12.730	1.97490	-.03576	.00704	.00006	.01248	-.20684	-.24080	465.56703	-.01000	-.14016
.603	13.785	1.96732	-.04428	.00566	.00134	.00830	-.21578	-.25411	465.23390	-.06002	-.17019
.602	14.855	1.96049	-.04164	.00352	-.00014	-.00030	-.22804	-.27646	464.73493	-.12005	-.21024
.602	17.002	1.93904	-.03720	.00211	-.00551	-.00724	-.25686	-.31913	464.65371	-.12005	.01002
.602	19.165	1.91507	-.03614	.00181	-.00861	-.01656	-.28579	-.34982	464.40166	-.02001	.00000
	GRADIENT	.00052	-.00040	-.00015	-.00023	-.00064	-.00059	.00061	-.03655	.00102	-.00336

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 228/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.804	-3.818	2.02901	-.04469	.00528	-.00194	.03711	-.18626	-.22091	580.67208	-.02001	.00000
.805	-2.176	2.03494	-.04761	.00539	-.00257	.03299	-.18529	-.21898	581.20575	-.01000	.01002
.804	-1.098	2.03658	-.04740	.00511	-.00263	.03098	-.18482	-.21666	580.51303	.00000	.00000
.804	-.006	2.03880	-.04884	.00502	-.00325	.02938	-.18480	-.21526	581.05955	-.02001	.00000
.804	1.048	2.03871	-.04848	.00478	-.00346	.02800	-.18402	-.21263	580.45908	-.01000	.00000
.804	2.172	2.03888	-.04914	.00460	-.00372	.02605	-.18447	-.20943	580.77993	.00000	.00000
.804	3.213	2.03723	-.04885	.00445	-.00394	.02365	-.18354	-.20622	580.70682	-.01000	.00000
.803	4.309	2.03301	-.04695	.00430	-.00407	.02050	-.18412	-.20466	580.09336	.00000	-.01001
.804	5.386	2.02965	-.04668	.00425	-.00479	.01689	-.18348	-.20238	580.45269	.00000	-.01001
.804	6.460	2.02526	-.04546	.00395	-.00380	.01482	-.18653	-.20487	580.70042	-.01000	-.04005
.803	7.527	2.02004	-.04352	.00341	-.00405	.01407	-.18902	-.20738	580.02659	-.09003	-.09010
.804	8.616	2.01438	-.04252	.00311	-.00412	.01430	-.19335	-.21168	580.08697	-.12005	-.11012
.804	9.658	2.00753	-.04026	.00261	-.00455	.01470	-.19853	-.21777	580.42712	-.12005	-.10011
.803	10.741	2.00077	-.03930	.00221	-.00539	.01364	-.20734	-.22696	579.97895	.00000	-.10011
.803	11.808	1.99232	-.03660	.00156	-.00730	.01255	-.22482	-.24544	580.02021	-.07003	-.07008
.804	12.869	1.98753	-.03879	.00125	-.00347	.01055	-.23478	-.25882	580.92616	-.03001	-.10011
.804	13.961	1.97945	-.04016	.00142	-.00355	.00107	-.24889	-.27600	580.16651	-.06002	-.07008
.804	15.029	1.97259	-.04095	.00077	-.00131	-.00425	-.25531	-.28643	580.37955	-.07003	-.06007
.803	17.227	1.95170	-.03914	-.00024	-.00526	-.01123	-.27712	-.31641	579.77219	-.10004	-.11012
.804	19.398	1.92963	-.03911	-.00106	-.00474	-.01103	-.30445	-.35381	580.45908	-.15006	-.08009
	GRADIENT	.00054	-.00030	-.00014	-.00027	-.00190	.00027	.00212	-.06369	.00163	-.00121

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3044) (16 SEP 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 224/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.921	-3.812	2.03292	-.04888	.00662	-.00122	.05018	-.21501	-.24344	634.84190	.01000	.01002
.921	-2.145	2.03806	-.05235	.00727	-.00170	.03473	-.21081	-.23964	634.79328	.02000	-.02002
.921	-1.055	2.03951	-.05223	.00711	-.00203	.02434	-.21096	-.23967	634.73502	.02000	.00000
.921	.065	2.04124	-.05332	.00709	-.00217	.01435	-.20941	-.23860	634.91942	.03000	-.01001
.921	1.122	2.04181	-.05383	.00697	-.00238	.01085	-.20785	-.23732	634.42437	.01000	-.01001
.920	2.240	2.04174	-.05360	.00653	-.00275	.00877	-.20566	-.23429	634.29815	-.01000	.00000
.921	3.317	2.03839	-.05167	.00628	-.00339	.00577	-.20447	-.23049	634.85154	.02000	.00000
.921	4.402	2.03619	-.05251	.00647	-.00225	.00446	-.20472	-.22927	634.51151	.02000	-.02002
.920	5.490	2.03276	-.05091	.00588	-.00297	.00487	-.20628	-.22873	634.29815	.03000	.00000
.921	6.535	2.02781	-.04652	.00456	-.00445	.01090	-.21142	-.23384	634.48267	.03000	-.02002
.920	7.621	2.01995	-.04043	.00325	-.00761	.00723	-.21531	-.23574	634.36607	.03000	-.04005
.921	8.697	2.01838	-.04188	.00256	-.00571	.00918	-.22888	-.24653	634.54095	.03000	-.01001
.921	9.767	2.01157	-.04094	.00243	-.00626	.00133	-.24908	-.26491	634.54095	.00000	-.03003
.921	10.853	2.00483	-.03923	.00172	-.00570	-.00249	-.26447	-.27887	634.50189	-.04002	-.03003
.920	11.910	1.99868	-.03872	.00111	-.00519	-.00546	-.27785	-.29243	634.26864	-.10004	-.02002
.921	13.001	1.99227	-.03811	.00024	-.00429	-.01030	-.28896	-.30286	634.61847	.00000	.00000
.921	14.104	1.98660	-.03952	-.00039	-.00382	-.01632	-.30087	-.31570	634.59923	-.03001	.00000
.920	15.198	1.97856	-.03945	-.00103	-.00341	-.02403	-.30987	-.32701	634.21030	-.04002	-.01001
.921	17.384	1.95845	-.03638	-.00277	-.00587	-.03666	-.33163	-.36010	635.02584	-.04002	.00000
.920	19.540	1.93786	-.03372	-.00511	-.00631	-.03690	-.36320	-.41270	633.79217	.00000	.03005
GRADIENT		.00038	-.00030	-.00008	-.00019	-.00546	.00128	.00169	-.03988	-.00035	-.00127

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 226/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.952	-3.831	2.03443	-.04827	.00615	-.00348	.06393	-.23369	-.26324	648.02636	.04001	.05008
.953	-2.147	2.03823	-.04946	.00639	-.00354	.04082	-.23349	-.26084	648.66247	.04001	.04007
.952	-1.044	2.04032	-.05003	.00629	-.00371	.02661	-.23326	-.25919	648.22912	.04001	.03005
.952	.067	2.04146	-.05110	.00644	-.00341	.01561	-.23197	-.25730	648.09861	.04001	.02003
.952	1.169	2.04184	-.05179	.00646	-.00277	.00770	-.23122	-.25668	648.16386	.03000	.00000
.952	2.251	2.04177	-.05318	.00665	-.00301	.00083	-.23073	-.25534	648.18719	.02000	.00000
.952	3.339	2.03852	-.05174	.00652	-.00297	-.00523	-.23041	-.25431	647.67668	.03000	-.05006
.952	4.442	2.03548	-.04925	.00570	-.00522	-.01877	-.23227	-.25205	647.92613	.02000	-.03003
.952	5.525	2.02998	-.04766	.00577	-.00470	-.02127	-.23359	-.25276	647.97974	.00000	-.06007
.952	6.596	2.02566	-.04944	.00654	-.00464	-.01827	-.23188	-.25238	648.00305	-.03001	-.05006
.952	7.678	2.01928	-.04174	.00412	-.00668	-.01954	-.23207	-.25040	648.14525	.05001	-.03003
.952	8.757	2.01330	-.04131	.00412	-.00665	-.02166	-.24379	-.25941	647.94944	.02000	-.01001
.951	9.832	2.00627	-.04002	.00390	-.00634	-.02407	-.26029	-.27305	647.64632	-.04002	-.04005
.952	10.932	1.99849	-.03914	.00380	-.00642	-.02868	-.27871	-.28811	648.04966	-.02001	.02003
.952	12.010	1.98846	-.03810	.00418	-.00673	-.03572	-.29867	-.30641	647.90746	.03000	.02003
.952	13.109	1.98607	-.03837	.00234	-.00603	-.04706	-.31997	-.32918	647.78853	-.03001	-.06007
.952	14.192	1.98573	-.04211	.00095	-.00480	-.05870	-.34713	-.35294	648.11494	.03000	.03005
.954	15.304	1.96795	-.04383	.00410	-.00562	-.06439	-.36690	-.37199	649.33448	.00000	-.01001
.952	17.501	1.92943	-.03438	.00586	-.00912	-.06642	-.40292	-.40579	648.18021	.03000	.02003
.951	19.668	1.92723	-.03626	-.00076	-.00610	-.05119	-.42236	-.43058	647.55063	.00000	-.03003
GRADIENT		.00018	-.00031	-.00001	-.00007	-.00936	.00035	.00128	-.05530	-.00265	-.01155

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER (OMS OFF)

(AJ3044) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.0000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = 2.000 SPDBRK = 25.000
 RUDDER = .000 SDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 230/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.854	2.04418	-.04645	.00412	-.00360	.05040	-.29700	-.35328	730.88124	.06001	-.04005
1.203	-2.169	2.04673	-.04536	.00388	-.00401	.02759	-.30032	-.34030	730.98182	-.08003	.02003
1.203	-1.068	2.05011	-.04631	.00361	-.00436	.01342	-.30343	-.33451	730.72226	-.08003	-.02002
1.203	.040	2.05192	-.04612	.00313	-.00439	-.00089	-.30817	-.32767	730.82761	-.07003	-.10011
1.203	1.129	2.05205	-.04533	.00269	-.00443	-.01347	-.31090	-.32513	730.91997	-.08003	-.10011
1.204	2.228	2.05037	-.04354	.00216	-.00474	-.02622	-.31499	-.32567	731.07532	-.08003	-.16018
1.204	3.324	2.04960	-.04301	.00165	-.00437	-.03698	-.31913	-.33097	731.06706	-.13005	-.13015
1.204	4.407	2.04652	-.04117	.00108	-.00307	-.04434	-.32174	-.33378	730.91631	-.14005	-.09010
1.204	5.498	2.04110	-.04016	.00126	-.00312	-.05159	-.32313	-.33452	730.96656	.08001	-.05006
1.204	6.565	2.03510	-.03837	.00114	-.00316	-.05976	-.32787	-.33849	731.08804	-.06002	-.08009
1.204	7.675	2.02930	-.03731	.00099	-.00377	-.06716	-.33574	-.34461	731.24707	-.08003	-.06007
1.204	8.787	2.02272	-.03506	.00076	-.00444	-.07388	-.34353	-.35140	731.01230	-.09003	-.12014
1.204	9.892	2.01507	-.03430	.00045	-.00599	-.07934	-.34917	-.36065	731.07078	-.08003	.00000
1.203	11.010	2.00703	-.03309	.00021	-.00681	-.08323	-.35676	-.36907	730.78549	-.08003	-.07008
1.203	12.123	1.99918	-.03104	-.00060	-.00749	-.08699	-.36281	-.37670	730.70116	-.09003	-.14016
1.203	13.195	1.99291	-.03489	.00027	-.00547	-.09020	-.37987	-.39732	731.07898	-.12005	-.09010
1.203	14.301	1.98623	-.03548	-.00028	-.00434	-.09807	-.38980	-.40773	730.97843	-.01000	-.07008
1.203	15.451	1.97855	-.03549	-.00110	-.00309	-.10387	-.41386	-.43233	730.81470	.02000	-.12014
1.203	17.613	1.95898	-.03304	-.00273	-.00359	-.11261	-.42947	-.44648	730.95739	-.06002	-.29033
1.203	19.805	1.93582	-.02609	-.00597	-.00631	-.11478	-.45515	-.48275	730.89742	-.10004	-.13015
	GRADIENT	.00037	.00059	-.00038	.00000	-.01165	-.00315	.00231	.01852	-.01788	-.01550

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 489

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3045) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 247/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.984	-4.196	-.00142	.00081	.00013	-.00058	.29323	-.39175	-.49194	661.20990	-15.01563	-15.03692
.984	-2.448	.00208	-.00160	-.00003	-.00049	.27030	-.38335	-.48483	661.54346	-15.02563	-14.99687
.984	-1.318	.00378	-.00281	-.00009	-.00048	.25758	-.37932	-.47908	661.26953	-14.99562	-14.99687
.984	-.218	.00452	-.00300	-.00024	-.00043	.24791	-.37498	-.47215	661.25538	-15.01563	-15.00688
.983	.885	.00607	-.00387	-.00039	-.00067	.23566	-.37163	-.46578	660.96660	-14.95561	-15.02691
.983	1.988	.00777	-.00488	-.00052	-.00058	.22111	-.36867	-.46033	660.99675	-14.96561	-14.98686
.983	3.098	.00733	-.00391	-.00076	-.00066	.20573	-.36643	-.45737	661.16442	-14.99562	-15.02691
.983	4.222	.00629	-.00265	-.00092	-.00085	.19028	-.36471	-.45639	661.02742	-15.02563	-15.03692
.984	5.311	.00485	-.00141	-.00095	-.00113	.17490	-.36373	-.45504	661.13374	-14.98562	-15.00688
.983	6.406	.00469	-.00123	-.00098	-.00088	.15893	-.36331	-.45976	660.84541	-15.00563	-15.01689
.983	7.525	.00367	-.00054	-.00093	-.00043	.14663	-.36531	-.45951	660.90625	-15.03564	-15.02691
.983	8.612	.00249	.00175	-.00143	-.00099	.13428	-.37283	-.46386	661.14960	-14.99562	-15.04693
.983	9.711	.00308	.00258	-.00193	-.00135	.12462	-.38446	-.46956	660.90625	-15.00563	-14.99687
.983	10.821	.00086	.00237	-.00117	-.00009	.11377	-.39517	-.47134	660.90625	-14.98562	-15.00688
.983	11.930	-.00088	.00424	-.00133	.00022	.10109	-.40456	-.46790	660.87606	-14.98562	-14.99687
.983	13.027	.00010	.00257	-.00100	.00021	.08724	-.41157	-.46459	660.60244	-15.03564	-15.03692
.983	14.127	.00049	.00367	-.00154	.00044	.07915	-.41860	-.46494	660.80032	-14.98562	-15.00688
.984	15.226	.00215	.00380	-.00212	.00063	.07257	-.43711	-.47753	661.51273	-15.01563	-15.03692
.983	17.409	.00174	-.00129	-.00007	.00095	.06477	-.45055	-.47330	660.75437	-15.01563	-14.98686
.983	19.595	.00120	.00153	-.00097	.00070	.05949	-.47113	-.49249	661.08825	-15.02563	-15.01689
GRADIENT		.00098	-.00046	-.00013	-.00003	-.01193	.00319	.00460	-.04197	.00241	-.00111

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 490

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3045) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 239/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-2.240	.00196	-.00251	.00041	.00025	.22109	-.34933	-.41278	731.00766	-15.01375	-15.05506
1.204	-1.139	.00359	-.00299	.00014	.00022	.20023	-.34684	-.41470	731.04154	-15.05376	-15.08509
1.204	-.166	.00582	-.00320	-.00039	-.00015	.18115	-.34672	-.41841	731.24707	-14.96374	-14.98498
1.204	.872	.00796	-.00376	-.00077	-.00041	.16159	-.35327	-.42525	731.28071	-14.99375	-15.02503
1.204	2.000	.00735	-.00337	-.00075	-.00013	.14478	-.36076	-.43147	730.85779	-14.98375	-15.01502
1.204	3.343	.00798	-.00332	-.00095	-.00053	.12366	-.36787	-.43050	730.94556	-15.00375	-14.98498
1.204	4.274	.00761	-.00257	-.00113	-.00047	.11209	-.37507	-.44195	731.06706	-15.00375	-14.98498
1.204	5.447	.00612	-.00132	-.00120	-.00066	.09669	-.38190	-.44555	730.95381	-14.99375	-15.01502
1.203	6.614	.00526	-.00022	-.00138	-.00038	.08439	-.39127	-.44716	730.91997	-15.00375	-15.02503
1.204	7.727	.00419	.00033	-.00129	-.00024	.07332	-.39899	-.44552	731.02051	-14.97374	-14.97497
1.204	8.693	.00331	.00157	-.00152	-.00029	.06493	-.40241	-.44517	731.19232	-15.00375	-15.02503
1.204	9.917	.00228	.00199	-.00139	-.00014	.05380	-.40256	-.44908	731.11282	-14.97374	-15.01502
1.204	10.979	.00158	.00283	-.00154	-.00040	.04613	-.40039	-.45859	731.09180	-15.00375	-15.00501
1.203	12.110	.00170	.00217	-.00130	-.00009	.03947	-.39774	-.47020	730.95739	-14.97374	-15.01502
1.203	13.059	.00126	.00269	-.00138	-.00007	.03377	-.39941	-.47207	730.96555	-15.00375	-15.02503
1.203	14.244	.00151	.00196	-.00117	-.00010	.02623	-.40895	-.46037	730.96073	-15.00375	-15.01502
1.203	15.356	.00180	.00182	-.00121	.00001	.02116	-.42165	-.44657	730.76763	-15.01375	-15.02503
1.203	17.482	.00191	.00211	-.00135	-.00014	.01339	-.43703	-.45963	731.10347	-15.04376	-15.05506
1.202	19.825	.00132	.00204	-.00116	-.00002	.00809	-.44464	-.47171	730.72539	-14.99375	-15.09510
GRADIENT		.00088	-.00003	-.00023	-.00012	-.01681	-.00438	-.00470	-.01439	.00331	.01231

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 491

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3046) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 244/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.983	-4.117	-.00190	-.00081	.00089	-.00001	.25231	-.38175	-.45700	661.17976	-10.00375	-10.01126
.984	-2.355	.00041	-.00258	.00085	-.00033	.22755	-.37311	-.44056	661.22468	-9.97374	-10.03129
.983	-1.253	.00258	-.00419	.00080	-.00044	.21582	-.36916	-.43252	660.90577	-9.97374	-10.05131
.983	-.147	.00355	-.00457	.00065	-.00043	.20340	-.36504	-.42449	661.08825	-9.95373	-10.04130
.983	.949	.00546	-.00508	.00026	-.00030	.18962	-.35969	-.41407	661.08825	-9.96374	-9.95120
.983	2.059	.00539	-.00406	-.00011	-.00025	.17526	-.35482	-.41135	661.04276	-9.96374	-9.96121
.984	3.155	.00683	-.00520	-.00012	-.00044	.16003	-.35237	-.42193	661.22524	-9.96374	-10.01126
.983	4.267	.00544	-.00343	-.00037	-.00045	.14460	-.34853	-.42926	660.95176	-9.98374	-10.02127
.983	5.374	.00521	-.00228	-.00073	-.00072	.12995	-.35262	-.43153	661.17976	-9.99375	-9.97122
.983	6.470	.00375	-.00168	-.00052	-.00006	.11912	-.35730	-.43385	660.98242	-10.00375	-9.98123
.983	7.569	.00305	-.00045	-.00077	-.00034	.10925	-.36690	-.43929	660.78457	-9.98374	-9.98123
.983	8.663	.00198	.00152	-.00119	-.00085	.09733	-.37772	-.44177	660.75437	-9.98374	-9.99124
.983	9.772	.00183	.00239	-.00147	-.00072	.08350	-.38962	-.44332	660.67861	-10.00375	-9.95120
.983	10.852	-.00007	.00327	-.00122	-.00042	.07430	-.39971	-.44341	660.73947	-10.02376	-9.98123
.983	11.956	.00031	.00314	-.00129	.00003	.06480	-.41208	-.44150	660.78500	-10.04377	-10.04130
.983	13.056	-.00039	.00302	-.00102	.00049	.05556	-.42578	-.44567	660.69392	-9.94373	-9.99124
.983	14.143	.00030	.00276	-.00114	.00066	.05031	-.44011	-.45128	661.21043	-9.96374	-10.02127
.983	15.247	.00141	.00236	-.00134	.00100	.04633	-.44743	-.45704	660.76969	-9.98374	-9.96121
.983	17.430	.00076	-.00229	.00062	.00090	.03628	-.46558	-.48152	660.58751	-9.96374	-10.04130
.983	19.624	-.00035	.00227	-.00074	.00031	.02837	-.48249	-.51578	660.73985	-10.00375	-9.99124
GRADIENT		.00098	-.00034	-.00017	-.00003	-.01262	.00397	.00385	-.01261	.00241	.00382

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 492

LARC BFT TPT 717(LA-62) 140C ORBITER

(AJ3046) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 237/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CEL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.911	-.00042	-.00110	.00053	-.00003	.21695	-.35025	-.42753	730.84391	-9.99250	-10.00000
1.204	-2.290	.00110	-.00225	.00055	.00014	.18617	-.34165	-.42580	731.07078	-10.02251	-10.00000
1.204	-1.175	.00294	-.00310	.00036	.00008	.16546	-.33944	-.42509	731.21780	-10.00250	-10.00000
1.204	-.066	.00524	-.00408	.00010	-.00002	.14607	-.34176	-.42592	731.03780	-9.99250	-10.02002
1.204	1.013	.00659	-.00363	-.00045	-.00027	.12763	-.34807	-.42869	730.82404	-10.00250	-9.94995
1.204	2.140	.00762	-.00376	-.00068	-.00018	.11014	-.35428	-.43174	730.99127	-10.01250	-10.00000
1.203	3.202	.00761	-.00370	-.00070	-.00034	.09517	-.36042	-.43338	730.81943	-10.01250	-10.05005
1.204	4.337	.00679	-.00285	-.00080	-.00029	.07981	-.36784	-.43701	730.94101	-10.03251	-10.02002
1.203	5.409	.00550	-.00122	-.00106	-.00047	.06677	-.37425	-.44468	730.89893	-10.00250	-9.98999
1.203	6.509	.00478	-.00085	-.00101	-.00027	.05421	-.37860	-.44975	731.02871	-10.01250	-10.03003
1.202	7.641	.00314	.00076	-.00116	-.00047	.04346	-.38368	-.45389	730.52415	-10.03251	-10.03003
1.202	8.738	.00271	.00166	-.00139	-.00045	.03678	-.38748	-.45369	730.70426	-9.99250	-10.04004
1.203	9.815	.00240	.00156	-.00126	-.00005	.03044	-.39371	-.44627	730.93153	-10.00250	-10.03003
1.203	10.927	.00220	.00221	-.00145	-.00004	.02573	-.39819	-.44119	730.99476	-10.00250	-10.05005
1.203	12.035	.00172	.00153	-.00107	-.00018	.01960	-.40708	-.42896	730.83095	-10.06252	-10.01001
1.203	13.183	.00155	.00153	-.00102	-.00011	.01268	-.41337	-.42386	730.76763	-10.03251	-10.05005
1.202	14.248	.00146	.00127	-.00090	.00026	.00538	-.42545	-.43236	730.82600	-10.04251	-10.04004
1.204	15.349	.00239	-.00038	-.00054	.00027	.00031	-.43014	-.44055	731.71961	-10.06252	-10.10010
1.203	17.536	.00137	.00179	-.00107	-.00027	-.00994	-.43792	-.45772	731.03688	-10.15254	-10.15015
1.202	19.752	.00086	.00178	-.00092	-.00016	-.01394	-.44313	-.46474	730.65395	-10.04251	-9.98999
GRADIENT		.00103	-.00023	-.00020	-.00005	-.01666	-.00267	-.00128	-.01335	-.00284	-.00323

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TABULATED SOURCE DATA - LA62

PAGE 493

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3047) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 246/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.984	-4.119	-.00348	-.01124	.00532	.00596	.25143	-.38567	-.45225	661.22524	-7.98299	-11.99349
.984	-2.344	-.00165	-.01261	.00528	.00608	.22704	-.37602	-.43682	661.39177	-8.00300	-12.01352
.984	-1.263	.00134	-.01558	.00549	.00590	.21445	-.37231	-.43089	661.11839	-7.99300	-12.01352
.984	-.149	.00250	-.01334	.00504	.00630	.20213	-.36737	-.42183	661.20990	-7.99300	-11.99349
.983	.954	.00439	-.01638	.00486	.00624	.18880	-.36508	-.41802	661.01209	-7.98299	-12.00350
.983	2.044	.00642	-.01788	.00481	.00576	.17495	-.36196	-.41882	661.04276	-7.98299	-12.00350
.984	3.162	.00495	-.01604	.00456	.00539	.15988	-.35967	-.42351	661.14908	-7.99300	-11.98348
.984	4.267	.00413	-.01418	.00411	.00500	.14453	-.35871	-.43096	661.19456	-7.99300	-11.98348
.983	5.355	.00333	-.01267	.00378	.00438	.12955	-.35925	-.43305	661.16493	-7.99300	-11.99349
.983	6.473	.00221	-.01201	.00387	.00454	.11772	-.36414	-.43628	660.89093	-7.99300	-11.97347
.983	7.568	.00176	-.01065	.00349	.00423	.10843	-.37079	-.43959	660.93643	-8.00300	-11.98348
.983	8.669	.00025	-.00865	.00320	.00426	.09608	-.38173	-.44291	660.93643	-8.01300	-12.01352
.983	9.766	-.00049	-.00705	.00282	.00367	.08358	-.39243	-.44562	660.87606	-8.00300	-11.98348
.983	10.860	-.00211	-.00729	.00342	.00355	.07514	-.40389	-.44733	660.79989	-7.99300	-11.99349
.983	11.946	-.00346	-.00516	.00303	.00317	.06451	-.41552	-.44481	660.86074	-8.02301	-12.01352
.984	13.057	-.00305	-.00518	.00291	.00341	.05563	-.42944	-.44418	661.98507	-7.99300	-11.96346
.984	14.156	-.00231	-.00399	.00233	.00368	.04969	-.44323	-.45130	661.25538	-8.00300	-12.00350
.983	15.254	-.00250	-.00262	.00178	.00381	.04604	-.44552	-.45348	660.45577	-8.01300	-12.03354
.983	17.419	-.00179	-.00153	.00299	.00450	.03658	-.46240	-.46933	661.05984	-8.05302	-12.01352
.982	19.624	-.00133	-.00092	.00078	.00430	.03013	-.47683	-.45712	660.52727	-8.06302	-12.07358
GRADIENT		.00107	-.00049	-.00014	-.00011	-.01251	.00316	.00276	-.01865	.00010	.00229

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 494

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3047) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 AILRON = 2.000

RUN NO. 238/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.202	-3.865	-.00448	-.01112	.00545	.00466	.21557	-.35162	-.42066	730.73343	-7.99200	-12.00200
1.202	-2.269	-.00255	-.01217	.00531	.00447	.18637	-.34507	-.42057	730.66703	-8.03201	-12.04204
1.203	-1.191	-.00051	-.01255	.00489	.00430	.16704	-.34128	-.41937	730.75146	-8.01200	-12.06206
1.204	-.077	.00140	-.01231	.00428	.00383	.14679	-.34412	-.41820	731.07078	-7.98200	-12.02202
1.204	1.020	.00367	-.01256	.00374	.00409	.12856	-.34772	-.41943	730.97481	-8.01200	-12.06206
1.204	2.125	.00488	-.01230	.00331	.00413	.11144	-.35389	-.42246	731.13829	-8.02201	-12.01201
1.204	3.265	.00555	-.01135	.00276	.00396	.09346	-.36471	-.42670	731.20119	-8.03201	-12.03203
1.205	4.303	.00509	-.01025	.00247	.00405	.08075	-.36762	-.42777	731.18451	-8.03201	-12.05205
1.204	5.399	.00332	-.00857	.00232	.00386	.06711	-.37692	-.43868	730.75729	-7.98200	-12.00200
1.203	6.510	.00267	-.00772	.00218	.00390	.05451	-.37975	-.44332	730.65571	-8.00200	-12.02202
1.203	7.623	.00190	-.00667	.00200	.00343	.04344	-.38548	-.44846	730.95739	-8.01200	-12.04204
1.204	8.709	.00046	-.00490	.00173	.00321	.03586	-.39028	-.44991	731.09180	-8.01200	-12.04204
1.203	9.822	-.00112	-.00290	.00141	.00301	.02968	-.39626	-.44474	730.87312	-8.04201	-12.01201
1.203	10.916	-.00129	-.00217	.00119	.00270	.02474	-.40354	-.43025	730.90233	-8.02201	-12.01201
1.203	12.045	-.00114	-.00179	.00100	.00295	.01853	-.40918	-.42280	730.82283	-8.03201	-12.04204
1.203	13.151	-.00126	-.00141	.00089	.00297	.01209	-.41451	-.42018	730.90233	-8.03201	-12.07207
1.203	14.236	-.00195	-.00089	.00089	.00312	.00592	-.42226	-.42565	730.79682	-8.09202	-12.07207
1.204	15.330	-.00147	-.00187	.00113	.00348	-.00013	-.42861	-.43206	732.13873	-8.08202	-12.08208
1.204	17.557	.00021	-.00026	.00004	.00339	-.01082	-.43671	-.44474	731.03331	-8.06202	-12.07207
1.203	19.715	.00025	.00031	-.00019	.00295	-.01427	-.44310	-.45808	730.65087	-8.07202	-12.04204
	GRADIENT	.00132	.00010	-.00040	-.00008	-.01665	-.00253	-.00092	.07127	-.00362	-.00219

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 495

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3048) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 243/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.983	-4.059	-.00155	-.00098	.00084	-.00050	.18573	-.37713	-.43843	661.08877	-5.03189	-5.01564
.983	-2.285	.00089	-.00365	.00111	-.00020	.15976	-.36216	-.42755	661.07343	-4.99187	-5.04568
.983	-1.183	.00227	-.00360	.00067	-.00032	.14770	-.35765	-.41882	660.75392	-5.01188	-4.99562
.984	-.079	.00345	-.00404	.00048	-.00042	.13637	-.35813	-.40954	661.17921	-5.00188	-5.01564
.983	1.017	.00506	-.00485	.00029	-.00043	.12502	-.35841	-.40427	660.98193	-5.01188	-4.97560
.983	2.117	.00556	-.00441	-.00003	-.00020	.11272	-.35970	-.40425	660.99727	-5.01188	-4.99562
.983	3.216	.00519	-.00381	-.00014	-.00029	.09959	-.36327	-.40958	660.99727	-4.98187	-4.98561
.983	4.323	.00511	-.00401	-.00005	-.00011	.08873	-.36711	-.41176	660.89093	-4.98187	-5.00563
.983	5.418	.00373	-.00212	-.00034	-.00032	.07759	-.37279	-.41350	660.92158	-4.98187	-4.99562
.983	6.516	.00308	-.00195	-.00021	.00001	.06810	-.38238	-.41548	660.73905	-4.99187	-4.97560
.983	7.613	.00186	-.00096	-.00021	.00020	.05991	-.39113	-.41696	660.83054	-5.00188	-5.01564
.983	8.711	.00090	.00127	-.00076	-.00012	.04884	-.40123	-.41790	660.58713	-5.00188	-4.99562
.983	9.795	.00061	.00283	-.00126	-.00022	.03976	-.41247	-.42115	660.67861	-5.02188	-4.98561
.983	10.895	.00082	.00275	-.00129	.00019	.03274	-.42408	-.42963	660.80032	-5.01188	-5.02565
.983	11.987	.00004	.00259	-.00099	.00065	.02638	-.43334	-.44099	660.57220	-5.00188	-5.00563
.983	13.067	-.00083	.00275	-.00078	.00056	.01922	-.44474	-.45933	660.63306	-4.99187	-5.00563
.982	14.174	-.00104	.00270	-.00069	.00053	.01369	-.45324	-.47694	660.48108	-5.00188	-4.96559
.983	15.268	-.00031	.00240	-.00081	.00048	.00890	-.46187	-.49098	660.60281	-5.00188	-4.96559
.983	17.463	-.00050	-.00117	.00060	.00099	-.00102	-.47937	-.50271	660.76924	-4.97186	-4.99562
.984	19.640	-.00017	.00216	-.00076	.00050	-.00445	-.48900	-.52177	661.22524	-4.98187	-4.97560
GRADIENT		.00083	-.00028	-.00015	.00003	-.01132	.00074	.00345	-.01313	.00415	.00413

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 496

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3048) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 AILRON = .000

RUN NO. 236/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.818	.00032	-.00147	.00047	-.00005	.17190	-.34324	-.42729	730.92816	-5.00125	-4.99499
1.203	-2.243	.00133	-.00232	.00051	-.00009	.14555	-.33891	-.41677	731.02871	-5.01125	-5.02503
1.204	-1.147	.00282	-.00300	.00036	-.00015	.12705	-.34385	-.40121	731.21780	-5.01125	-5.05506
1.204	-.036	.00445	-.00296	-.00011	-.00048	.10902	-.35397	-.38732	730.90804	-5.00125	-4.89489
1.204	1.063	.00635	-.00393	-.00026	-.00036	.09256	-.36120	-.38134	730.94556	-5.02126	-5.08509
1.204	2.155	.00728	-.00387	-.00054	-.00022	.07805	-.36515	-.37950	731.04607	-5.02126	-5.01502
1.204	3.264	.00752	-.00391	-.00060	-.00047	.06324	-.36975	-.37957	730.95381	-5.01125	-5.05506
1.204	4.348	.00621	-.00247	-.00078	-.00053	.04985	-.37381	-.38008	731.17583	-5.02126	-4.98498
1.204	5.445	.00567	-.00212	-.00077	-.00015	.03702	-.37888	-.38417	731.00407	-5.03126	-5.02503
1.204	6.552	.00433	-.00076	-.00091	-.00015	.02557	-.38368	-.38884	730.96203	-5.03126	-5.02503
1.204	7.664	.00306	.00036	-.00099	-.00045	.01634	-.39215	-.39887	731.06256	-5.02126	-5.00501
1.203	8.736	.00252	.00095	-.00106	-.00074	.01044	-.39958	-.40553	730.90711	-5.00125	-5.03504
1.203	9.849	.00122	.00151	-.00091	.00001	.00521	-.40397	-.40925	731.00766	-5.00125	-5.03504
1.203	10.963	.00114	.00185	-.00102	.00001	-.00089	-.40836	-.41384	731.05793	-5.02126	-5.01502
1.203	12.042	.00052	.00210	-.00094	-.00023	-.00751	-.41557	-.42166	730.86499	-5.03126	-5.07508
1.203	13.196	.00082	.00226	-.00109	-.00044	-.01330	-.42040	-.42893	730.91527	-5.12128	-5.12513
1.202	14.268	-.00033	.00282	-.00098	.00013	-.01852	-.42199	-.43362	730.64591	-5.01125	-5.10511
1.204	15.380	.00108	.00110	-.00073	.00007	-.02521	-.42281	-.43197	731.53958	-5.03126	-5.03504
1.204	17.563	.00043	.00218	-.00095	-.00012	-.03767	-.43291	-.44524	731.15028	-5.04126	-5.03504
1.203	19.735	.00080	.00230	-.00111	.00001	-.03886	-.43813	-.46009	730.62977	-5.07127	-5.05506
GRADIENT		.00092	-.00020	-.00018	-.00006	-.01497	-.00453	.00620	.00965	-.00201	-.00167

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 497

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 250/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.903	-3.994	-.00173	-.00124	.00103	-.00082	.08848	-.30066	-.33703	627.46261	.00000	-.02002
.903	-2.238	-.00006	-.00236	.00092	-.00057	.07751	-.29514	-.32680	627.20744	.00000	.01002
.903	-1.140	.00270	-.00408	.00068	-.00036	.06924	-.29193	-.31947	627.64006	.02000	.01002
.903	-.045	.00391	-.00503	.00065	-.00018	.06293	-.28697	-.31254	627.52541	.00000	-.02002
.903	1.031	.00507	-.00570	.00053	-.00026	.05778	-.28342	-.30837	627.62156	.01000	.00000
.903	2.138	.00539	-.00469	.00004	-.00036	.05210	-.28111	-.30434	627.45337	.01000	-.03003
.903	3.215	.00491	-.00429	.00004	.00020	.04779	-.28070	-.30205	627.26662	.00000	.01002
.904	4.307	.00488	-.00437	.00008	.00083	.04642	-.27874	-.29821	627.73055	.00000	.01002
.903	5.387	.00463	-.00426	.00012	.00075	.04642	-.27518	-.29356	627.54392	.02000	.01002
.903	6.466	.00466	-.00311	-.00033	.00085	.04542	-.27338	-.29053	627.08905	.01000	.02003
.904	7.556	.00279	-.00183	-.00021	-.00008	.04094	-.26950	-.28552	627.93567	.02000	.00000
.903	8.629	.00172	-.00124	-.00009	-.00097	.04007	-.26977	-.28581	627.02985	.02000	.00000
.904	9.703	.00086	.00082	-.00059	-.00068	.03668	-.27213	-.28938	627.94493	.02000	-.01001
.903	10.777	-.00056	.00278	-.00087	-.00084	.03250	-.27436	-.29323	627.71771	.01000	-.03003
.903	11.856	-.00040	.00298	-.00100	-.00023	.02536	-.28078	-.30175	627.64931	-.02001	.03005
.903	12.951	-.00020	.00125	-.00041	-.00080	.02107	-.29137	-.31307	626.95219	.02000	.01002
.903	14.029	.00008	.00241	-.00094	-.00071	.01576	-.29993	-.32609	627.14825	-.01000	.02003
.903	15.125	-.00079	.00378	-.00117	-.00064	.01076	-.30941	-.34050	627.51252	.01000	.02003
.904	17.309	.00117	.00284	-.00147	-.00078	.00585	-.32092	-.35344	628.02257	-.04002	.01002
.903	19.468	.00033	.00447	-.00180	-.00048	.00590	-.34173	-.37757	627.29432	.03000	-.01001
GRADIENT		.00085	-.00037	-.00014	.00016	-.00522	.00273	.00466	.01713	-.00013	.00127

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 498

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 249/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.924	-4.002	-.00139	-.00207	.00123	-.00047	.08803	-.30662	-.35162	637.07934	-.03001	.00000
.924	-2.240	.00080	-.00424	.00135	-.00072	.07276	-.30213	-.33955	636.66319	-.01000	.02003
.924	-1.140	.00179	-.00477	.00124	-.00036	.06445	-.29615	-.32846	636.45995	-.03001	.00000
.924	-.048	.00348	-.00518	.00086	-.00030	.05742	-.29454	-.32154	636.51796	.01000	.00000
.924	1.067	.00545	-.00630	.00066	-.00067	.05003	-.28814	-.31430	636.72119	.00000	-.02002
.924	2.148	.00681	-.00609	.00015	-.00072	.04446	-.28276	-.31053	636.88539	.00000	.00000
.923	3.234	.00579	-.00452	-.00013	-.00040	.04097	-.27995	-.30567	636.28586	-.01000	.01002
.924	4.323	.00478	-.00482	.00031	.00038	.03980	-.27873	-.30259	636.51796	.00000	.01002
.923	5.385	.00485	-.00417	.00004	.00031	.03978	-.27670	-.29837	636.10198	-.01000	.01002
.924	6.499	.00448	-.00316	-.00023	.00051	.03603	-.27363	-.29567	636.58571	.00000	.00000
.924	7.580	.00309	-.00138	-.00047	-.00026	.03334	-.27419	-.29574	636.45022	.02000	-.02002
.924	8.659	.00500	-.00069	-.00134	-.00012	.03340	-.27733	-.29874	636.61491	.02000	-.02002
.923	9.747	.00130	.00214	-.00123	-.00084	.02494	-.27820	-.29801	636.32444	.05000	.00000
.924	10.837	-.00037	.00289	-.00097	-.00038	.01991	-.28494	-.30470	636.98237	.01000	-.04005
.923	11.904	.00023	.00247	-.00101	.00016	.01517	-.29444	-.31136	636.22781	-.04002	.00000
.924	12.979	.00021	.00317	-.00127	-.00010	.00704	-.30665	-.32313	636.75969	.00000	.02003
.924	14.081	-.00088	.00330	-.00096	-.00068	.00187	-.31764	-.34109	636.74995	-.04002	-.06007
.924	15.163	.00091	.00264	-.00130	-.00046	-.00406	-.32995	-.36210	636.59544	-.03001	.05008
.923	17.348	.00078	.00239	-.00116	-.00032	-.01071	-.34192	-.37256	636.17947	.00000	.02003
.923	19.513	.00064	.00335	-.00148	-.00105	-.01184	-.35793	-.39859	636.47941	.04000	.01002
GRADIENT		.00089	-.00029	-.00018	.00006	-.00590	.00370	.00598	-.04769	.00310	.00002

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TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 499

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 248/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CPI	CP2	Q(P5F)	ELVN-L	ELVN-R
.953	-4.013	-.00070	.00007	.00019	-.00101	.11459	-.33005	-.36700	648.72948	-.04002	.02003
.954	-2.251	.00104	-.00148	.00023	-.00090	.09250	-.32358	-.35485	649.37618	-.04002	.00000
.954	-1.150	.00335	-.00322	.00018	-.00095	.08260	-.32049	-.34901	649.24584	.03000	.00000
.954	-.049	.00389	-.00313	-.00002	-.00108	.07289	-.31634	-.34307	649.05032	.04000	.01002
.954	1.049	.00471	-.00259	-.00048	-.00106	.06293	-.31323	-.33852	649.21586	.04000	.00000
.953	2.145	.00618	-.00376	-.00050	-.00099	.05317	-.31098	-.33509	648.83645	.02000	.00000
.953	3.244	.00623	-.00326	-.00071	-.00113	.04381	-.30838	-.33177	648.95512	.02000	.00000
.953	4.342	.00602	-.00311	-.00070	-.00084	.03484	-.30460	-.32957	649.02031	.02000	.00000
.953	5.431	.00463	-.00151	-.00087	-.00123	.02763	-.30026	-.32790	648.96684	.02000	-.01001
.954	6.529	.00367	-.00164	-.00053	-.00052	.02191	-.29993	-.32612	649.16240	.05000	.00000
.953	7.615	.00219	-.00098	-.00032	-.00040	.01643	-.30212	-.32409	648.85988	.04000	-.03003
.953	8.710	.00096	.00132	-.00080	-.00062	.01158	-.30872	-.32427	648.72948	.02000	-.01001
.953	9.787	.00085	.00176	-.00093	-.00066	.00810	-.31764	-.32832	648.84817	.01000	.04007
.953	10.881	.00287	.00230	-.00178	-.00029	.00302	-.32544	-.33536	649.00199	-.03001	.05008
.953	11.958	.00558	.00177	-.00245	.00021	-.00336	-.33622	-.35190	648.75289	.00000	-.05006
.954	13.053	.01029	.00064	-.00352	.00079	-.01175	-.35058	-.37474	649.63146	.03000	.03005
.953	14.139	.01475	-.00100	-.00435	.00173	-.01589	-.35669	-.38653	648.77629	.02000	.00000
.953	15.242	.01588	-.00043	-.00495	.00130	-.01763	-.36804	-.40193	648.87821	.03000	-.02002
.954	17.433	.02064	-.00480	-.00490	.00137	-.02623	-.39365	-.43347	649.00859	-.02001	.00000
.952	19.613	-.00048	.00299	-.00098	-.00023	-.02587	-.41895	-.44964	648.41319	.05000	.00000
GRADIENT	.00086	-.00035	-.00014	-.00000	-.00000	-.00933	.00296	.00442	-.00723	.00736	-.00166

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 500

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 242/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.982	-3.874	-.00160	.00001	.00049	-.00116	.12222	-.40941	-.42345	660.25288	.04000	-.02002
.983	-2.354	.00044	-.00152	.00044	-.00093	.10404	-.40680	-.42024	660.89138	.03000	-.05006
.984	-1.048	.00199	-.00194	.00013	-.00123	.09070	-.39961	-.41046	661.24003	.03000	-.05006
.984	-.033	.00303	-.00215	-.00011	-.00136	.08123	-.39732	-.40818	661.45194	.04000	.08013
.984	.944	.00541	-.00347	-.00033	-.00122	.07264	-.39637	-.40747	661.45194	.04000	.08000
.984	2.109	.00602	-.00323	-.00061	-.00115	.06142	-.39550	-.40661	661.19398	.04000	-.03003
.983	3.281	.00554	-.00242	-.00078	-.00111	.05090	-.39450	-.40574	660.90577	.05000	.00000
.983	4.432	.00505	-.00195	-.00081	-.00098	.03988	-.39407	-.40425	660.67820	.04000	.00000
.983	5.470	.00395	-.00050	-.00102	-.00128	.03106	-.39494	-.40405	660.78500	.04000	.01002
.983	6.545	.00352	-.00018	-.00101	-.00123	.02282	-.39745	-.40560	660.73947	.04000	-.04005
.983	7.747	.00187	.00083	-.00089	-.00074	.01489	-.40334	-.41028	660.61775	.03000	.00000
.983	8.742	.00097	.00111	-.00072	-.00058	.00778	-.40997	-.41653	660.67861	.05000	-.06007
.982	9.777	.00067	.00236	-.00110	-.00084	.00227	-.41713	-.42722	660.55725	.02000	-.05006
.982	10.937	.00025	.00190	-.00080	-.00028	-.00464	-.42615	-.44309	660.32905	.00000	-.08009
.982	12.008	-.00095	.00314	-.00089	-.00036	-.00959	-.43858	-.46079	660.46610	-.09003	-.06007
.983	13.036	-.00138	.00304	-.00072	-.00003	-.01690	-.45804	-.48881	660.92202	.05000	.05008
.983	14.154	-.00030	.00233	-.00079	.00004	-.02195	-.46501	-.49766	660.60244	.05000	-.04005
.983	15.244	-.00064	.00262	-.00079	-.00006	-.02667	-.47137	-.50519	660.61812	.01000	.00000
.981	17.401	.00014	-.00032	.00008	.00000	-.03519	-.48124	-.50806	659.67504	-.08003	-.04005
.985	19.715	-.00037	.00248	-.00082	.00015	-.04439	-.50843	-.52825	663.39992	.04000	.01002
GRADIENT		.00090	-.00025	-.00018	.00001	-.00972	.00190	.00230	.03498	.00127	.00380

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 501

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 240/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.125	-3.836	.00032	.00155	-.00068	-.00127	.14259	-.36811	-.39039	710.01173	.02000	-.04004
1.126	-2.150	.00164	.00066	-.00072	-.00108	.11907	-.37152	-.38609	710.26484	.01000	.00000
1.126	-.880	.00407	-.00087	-.00083	-.00101	.09818	-.37761	-.39711	710.33703	.02000	.01002
1.126	.092	.00590	-.00108	-.00127	-.00106	.08180	-.38241	-.40520	710.27680	.03000	-.01001
1.126	1.061	.00733	-.00192	-.00136	-.00117	.06722	-.38419	-.40774	710.29290	.00000	.00000
1.126	2.228	.00825	-.00217	-.00152	-.00119	.05037	-.38529	-.40663	710.18851	.01000	.00000
1.126	3.379	.00727	-.00105	-.00167	-.00079	.03660	-.38667	-.40481	710.14434	.00000	-.02002
1.125	4.412	.00632	-.00015	-.00174	-.00064	.02502	-.38834	-.40516	710.17648	-.03001	-.05005
1.125	5.389	.00463	.00100	-.00170	-.00067	.01479	-.39112	-.40748	710.19255	-.04001	-.04004
1.125	6.552	.00400	.00165	-.00177	.00002	.00530	-.39438	-.41051	710.23675	-.01000	-.04004
1.125	7.778	.00315	.00217	-.00173	-.00048	-.00317	-.39928	-.41429	709.96750	.00000	-.05005
1.125	8.790	.00232	.00302	-.00181	-.00013	-.00579	-.40200	-.41270	710.02778	-.01000	.00000
1.124	9.889	.00189	.00375	-.00197	-.00033	-.01217	-.40464	-.41147	709.38047	.00000	.05008
1.124	11.061	.00066	.00481	-.00201	-.00051	-.01737	-.40957	-.41859	709.33613	.00000	-.03003
1.124	12.088	-.00083	.00609	-.00206	-.00043	-.01944	-.41444	-.42929	709.33613	-.04001	.05008
1.124	13.134	-.00022	.00487	-.00178	-.00019	-.02333	-.42092	-.44049	709.27580	-.04001	-.06006
1.125	14.192	-.00013	.00310	-.00113	-.00006	-.03062	-.43623	-.45693	709.67824	.00000	-.01001
1.124	15.441	-.00066	.00233	-.00069	.00033	-.04168	-.44392	-.46460	709.11074	.03000	-.06006
1.122	18.023	-.00105	.00169	-.00033	.00048	-.05193	-.46148	-.48400	708.30903	.00000	-.04004
1.121	19.794	-.00089	.00158	-.00033	-.00001	-.05437	-.46823	-.48896	707.92184	-.04001	.00000
	GRADIENT	.00089	-.00028	-.00015	.00006	-.01458	-.00255	-.00317	.00366	-.00466	-.00156

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OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 502

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3049) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 235/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.844	.00066	-.00107	.00022	-.00118	.13808	-.34588	-.37349	730.64276	-.04001	-.03003
1.203	-2.190	.00167	-.00214	.00035	-.00103	.11025	-.35384	-.36973	731.00766	-.04001	.02003
1.204	-1.106	.00367	-.00288	.00008	-.00111	.09294	-.35743	-.37181	730.96203	-.02001	-.03003
1.204	-.006	.00478	-.00316	-.00012	-.00106	.07568	-.36179	-.37507	731.19682	-.02001	.02003
1.204	1.087	.00681	-.00362	-.00051	-.00104	.06049	-.36336	-.37685	731.25975	-.01000	-.03003
1.204	2.171	.00830	-.00397	-.00079	-.00083	.04644	-.36598	-.38032	730.86605	-.03001	-.05005
1.204	3.281	.00779	-.00345	-.00085	-.00073	.03221	-.36748	-.38085	731.00407	-.04001	-.01001
1.204	4.397	.00633	-.00200	-.00099	-.00094	.01945	-.36987	-.38387	731.02507	-.04001	-.04004
1.204	5.472	.00459	-.00095	-.00091	-.00070	.00819	-.37588	-.39028	731.07532	-.03001	-.02002
1.204	6.577	.00479	-.00094	-.00098	-.00048	-.00179	-.38017	-.39434	731.00407	-.03001	-.05005
1.203	7.654	.00325	-.00002	-.00090	-.00051	-.00968	-.38729	-.40100	730.91997	-.05001	-.05005
1.203	8.791	.00144	.00154	-.00098	-.00118	-.01603	-.39289	-.40561	730.81470	-.04001	-.06006
1.203	9.868	.00221	.00124	-.00109	-.00083	-.02038	-.39753	-.41013	731.02871	-.04001	-.07007
1.204	10.965	.00066	.00199	-.00094	-.00055	-.02701	-.40241	-.41574	731.07078	-.04001	.06009
1.203	12.049	.00022	.00240	-.00097	-.00088	-.03365	-.41085	-.42735	731.07898	-.08002	.08012
1.202	13.177	-.00020	.00220	-.00078	-.00109	-.04021	-.42262	-.44228	730.69621	-.08002	.08012
1.204	14.268	.00032	.00229	-.00096	-.00069	-.04625	-.42595	-.44535	731.89585	-.07002	.05008
1.204	15.358	.00133	.00149	-.00094	-.00034	-.05207	-.43004	-.44848	731.45634	-.02001	-.07007
1.203	17.584	.00035	.00180	-.00078	-.00047	-.06573	-.43917	-.45812	730.83577	-.02001	-.05005
1.202	19.770	.00038	.00259	-.00109	-.00045	-.06980	-.45807	-.47447	730.63281	-.03001	.01002
GRADIENT		.00090	-.00018	-.00018	.00004	-.01437	-.00277	-.00158	.02781	-.00011	-.00317

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 503

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 251/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.903	-3.952	-.00130	-.00301	.00156	-.00105	.04268	-.31322	-.35804	627.39420	5.01000	5.00814
.903	-2.207	.00053	-.00356	.00118	-.00034	.03405	-.30634	-.34642	627.63081	5.03000	5.03819
.903	-1.112	.00268	-.00545	.00120	-.00064	.02794	-.30446	-.33983	627.36648	5.03000	5.04820
.903	-.020	.00427	-.00578	.00081	-.00042	.02316	-.29931	-.33072	627.12979	5.03000	5.03819
.903	1.064	.00515	-.00607	.00064	-.00069	.01836	-.29432	-.32311	627.35351	5.04000	5.03819
.902	2.167	.00527	-.00524	.00029	-.00067	.01431	-.29095	-.31740	627.03907	5.03000	5.01815
.903	3.246	.00518	-.00505	.00024	-.00050	.01083	-.28867	-.31288	627.08905	5.04000	5.02817
.903	4.341	.00507	-.00472	.00015	-.00012	.00805	-.28572	-.30944	627.23513	5.03000	5.00814
.903	5.425	.00468	-.00439	.00015	-.00007	.00482	-.28329	-.30789	627.07060	5.02000	4.99812
.903	6.509	.00449	-.00353	-.00012	.00078	.00026	-.27746	-.30518	627.77684	5.03000	4.97809
.903	7.589	.00221	-.00128	-.00023	-.00080	-.00121	-.27977	-.30913	627.08905	4.96000	4.96807
.903	8.661	.00081	.00030	-.00038	-.00101	-.00487	-.28340	-.31484	627.66781	4.98000	4.96807
.902	9.755	.00013	.00184	-.00074	-.00173	-.01006	-.28858	-.31881	626.46908	5.00000	5.02817
.903	10.840	-.00037	.00309	-.00105	-.00082	-.01727	-.29600	-.31940	627.78610	5.01000	5.08827
.902	11.914	-.00137	.00324	-.00078	-.00027	-.02601	-.30700	-.32651	627.05751	4.97000	5.06824
.903	12.992	-.00150	.00346	-.00081	.00004	-.03484	-.31537	-.33397	627.11673	5.05000	4.98811
.903	14.086	-.00056	.00295	-.00093	.00043	-.04153	-.32505	-.34361	627.29432	5.03000	4.99812
.903	15.186	.00016	.00324	-.00128	.00043	-.04926	-.33332	-.35396	627.54026	4.98000	5.02817
.903	17.369	.00061	.00284	-.00128	.00041	-.05287	-.34739	-.37707	627.70845	4.99000	5.00814
.903	19.531	.00087	.00407	-.00184	.00058	-.04810	-.36118	-.40494	627.25359	4.96000	4.98811
GRADIENT		.00081	-.00021	-.00018	.00006	-.00422	.00340	.00608	-.04652	.00221	-.00115

ORIGINAL PAGE IS
 OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 504

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 241/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.982	-3.823	-.00102	.00023	.00023	-.00101	.07648	-.42991	-.44228	660.26867	4.98000	5.02754
.983	-2.219	.00089	-.00143	.00027	-.00102	.05632	-.42323	-.43834	660.84586	5.00000	5.01753
.984	-.985	.00325	-.00285	.00009	-.00084	.04460	-.41881	-.43629	661.43722	4.99000	5.02754
.984	.018	.00356	-.00224	-.00024	-.00082	.03592	-.41626	-.43399	661.58890	4.99000	5.02754
.984	1.138	.00458	-.00232	-.00052	-.00100	.02537	-.41490	-.43312	661.42186	5.00000	5.03756
.983	2.513	.00533	-.00232	-.00075	-.00110	.01194	-.41425	-.42964	660.83009	4.99000	5.02754
.983	3.381	.00540	-.00230	-.00078	-.00078	.00390	-.41466	-.42780	660.92158	4.98000	5.02754
.983	4.313	.00511	-.00164	-.00094	-.00080	-.00533	-.41761	-.42919	660.90670	4.98000	5.02754
.983	5.470	.00422	-.00095	-.00093	-.00085	-.01672	-.42336	-.43326	660.80032	5.00000	5.01753
.983	6.599	.00296	-.00005	-.00089	-.00101	-.02604	-.42810	-.43786	660.89138	4.96000	4.98748
.983	7.673	.00179	.00112	-.00098	-.00069	-.03415	-.43668	-.44640	660.84586	4.99000	4.99750
.983	8.813	.00096	.00123	-.00076	-.00052	-.04062	-.44091	-.45002	660.75437	4.99000	4.99750
.983	10.936	-.00077	.00241	-.00067	-.00060	-.05746	-.46644	-.47153	660.93643	5.01000	5.02754
.983	12.081	-.00121	.00153	-.00020	-.00003	-.06287	-.46986	-.47434	660.69352	4.97000	5.02754
.982	13.181	-.00185	.00184	-.00012	-.00009	-.06831	-.47657	-.48316	660.45080	5.00000	5.02754
.982	14.297	-.00142	.00304	-.00071	.00009	-.07457	-.48398	-.49375	660.13138	5.01000	4.98748
.982	15.440	.00061	.00096	-.00056	.00040	-.08016	-.49131	-.50151	660.14687	4.98000	5.00751
.982	17.576	.00051	-.00043	.00000	.00077	-.08781	-.49845	-.51514	660.46685	4.95000	4.95744
.981	19.668	.00012	.00193	-.00077	.00033	-.09354	-.50550	-.53071	659.99504	5.01000	4.98748
GRADIENT		.00077	-.00018	-.00017	.00002	-.00980	.00156	.00173	.03555	-.00079	.00060

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TABULATED SOURCE DATA - LA62

PAGE 505

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 55.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 AILRON = .000

RUN NO. 234/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.203	-3.790	-.00010	-.00119	.00048	-.00051	.09881	-.36773	-.38464	730.83577	5.01000	5.01753
1.204	-2.175	.00204	-.00227	.00030	-.00074	.07431	-.36450	-.38130	730.99127	4.96000	5.00751
1.204	-1.081	.00342	-.00316	.00025	-.00053	.05843	-.36349	-.37998	731.15926	4.97000	4.97747
1.205	.005	.00660	-.00437	-.00017	-.00048	.04279	-.36348	-.37954	731.31426	4.97000	4.94742
1.205	1.114	.00643	-.00399	-.00026	-.00049	.02790	-.36463	-.38046	731.48939	4.97000	4.94742
1.205	2.217	.00726	-.00375	-.00058	-.00033	.01405	-.36733	-.38252	731.18096	4.96000	4.99750
1.204	3.304	.00685	-.00330	-.00064	-.00022	.00058	-.37502	-.38804	731.04216	4.98000	4.96745
1.204	4.405	.00569	-.00278	-.00052	-.00051	-.01180	-.38010	-.38250	731.15096	4.98000	5.01753
1.204	5.480	.00488	-.00182	-.00066	-.00027	-.02425	-.38774	-.38314	731.23878	4.97000	4.95750
1.204	6.579	.00425	-.00120	-.00073	-.00038	-.03663	-.39583	-.38958	731.06706	4.99000	4.98748
1.204	7.665	.00334	-.00077	-.00064	-.00016	-.04730	-.40510	-.39742	730.98305	4.97000	4.98748
1.203	8.809	.00117	.00053	-.00053	-.00023	-.05661	-.41262	-.40480	730.73521	4.99000	5.01753
1.203	9.886	.00086	.00218	-.00106	-.00129	-.06263	-.41756	-.41111	730.76763	4.97000	4.97747
1.203	10.989	.00126	.00227	-.00121	-.00053	-.06553	-.42042	-.41888	731.02398	4.99000	4.99750
1.203	12.106	.00050	.00110	-.00056	-.00014	-.07211	-.42116	-.43343	731.14560	4.97000	4.96745
1.203	13.181	.00006	.00295	-.00113	-.00058	-.07692	-.42113	-.43801	730.89420	4.99000	4.97747
1.202	14.332	.00068	.00175	-.00086	-.00016	-.08109	-.42044	-.43712	730.67508	4.98000	4.97747
1.203	15.414	.00163	.00068	-.00072	.00002	-.08868	-.42522	-.44390	731.29979	4.97000	4.94742
1.203	17.624	.00095	.00187	-.00098	-.00052	-.10268	-.43517	-.45626	731.29167	5.00000	5.01753
1.202	19.792	.00048	.00254	-.00110	-.00021	-.10802	-.45631	-.47573	730.43154	4.98000	4.97747
	GRADIENT	.00081	-.00019	-.00015	.00003	-.01351	-.00153	-.00025	.02995	-.00173	-.00170

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TABULATED SOURCE DATA - LA62

PAGE 506

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 267/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.600	-3.957	-.01017	-.03660	.01831	-.00849	.16079	-.21042	-.22869	461.82782	-14.99937	-15.00063
.600	-2.300	-.00704	-.03938	.01799	-.00786	.15234	-.20957	-.22920	461.82618	-14.97936	-14.99061
.601	-1.240	-.00657	-.03941	.01783	-.00744	.14929	-.20827	-.22736	462.74263	-14.98937	-15.00063
.600	-.190	-.00378	-.03848	.01710	-.00705	.14725	-.20820	-.22904	461.49400	-14.98937	-15.00063
.600	.873	-.00501	-.03856	.01679	-.00674	.14569	-.20671	-.22975	461.74150	-14.98937	-15.00063
.600	1.923	-.00255	-.03956	.01610	-.00643	.14465	-.20504	-.22963	461.32625	-14.97936	-15.00063
.600	2.984	-.00252	-.03869	.01575	-.00617	.14324	-.20367	-.22703	462.41227	-14.97936	-15.02065
.601	4.044	-.00350	-.03654	.01537	-.00648	.14158	-.20359	-.22525	462.57334	-14.99937	-15.01064
.600	5.103	-.00385	-.03585	.01526	-.00676	.14047	-.20336	-.22471	461.99717	-14.98937	-15.02065
.601	6.165	-.00397	-.03467	.01487	-.00680	.13948	-.20220	-.22368	462.66623	-14.98937	-15.00063
.600	7.223	-.00530	-.03310	.01486	-.00667	.13902	-.20218	-.22386	462.33090	-14.99937	-15.00063
.600	8.276	-.00567	-.03201	.01462	-.00633	.13790	-.20396	-.22564	462.16322	-14.98937	-15.00063
.600	9.351	-.00640	-.03094	.01455	-.00571	.13694	-.20473	-.22572	462.33090	-14.98937	-15.01064
.600	10.417	-.00649	-.03018	.01431	-.00544	.13724	-.20570	-.22737	462.07363	-14.99937	-15.01064
.601	11.487	-.00687	-.02932	.01416	-.00517	.13773	-.20654	-.22817	462.83222	-14.99937	-15.01064
.600	12.547	-.00666	-.02943	.01413	-.00500	.13850	-.21042	-.23310	461.82290	-14.97936	-15.01064
.601	13.609	-.00814	-.02884	.01458	-.00592	.13119	-.21605	-.24087	462.49363	-15.00938	-15.05069
.600	14.671	-.00779	-.02859	.01434	-.00621	.12973	-.21851	-.24519	462.32761	-14.99937	-14.97058
.600	16.810	-.00673	-.02755	.01350	-.00598	.12724	-.22298	-.26153	461.90921	-14.99937	-15.01064
.600	18.938	-.00625	-.02573	.01263	-.00858	.12592	-.23926	-.28211	462.33255	-15.02939	-15.04068
GRADIENT		.00090	.00001	-.00040	.00028	-.00215	.00095	.00029	.04449	.00044	-.00228

DATE 12 NOV 75

TABULATED SOURCE DATA - LAG2

LARC 8FT TPT 717(LA-62) 140C ORBITER

PAGE 507

(AJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 262/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.900	-4.134	-.01880	-.03800	.02047	-.01242	.22894	-.25628	-.28473	625.11748	-14.98937	-15.02055
.900	-2.417	-.01531	-.04054	.02030	-.01259	.21134	-.25131	-.27753	624.96208	-14.98937	-15.03067
.899	-1.321	-.01410	-.03974	.01960	-.01249	.20178	-.24808	-.27069	624.86133	-14.99937	-15.02065
.900	-.225	-.01311	-.03932	.01912	-.01216	.19369	-.24515	-.26576	624.95296	-14.99937	-14.96057
.899	.864	-.01062	-.04047	.01875	-.01183	.18555	-.24199	-.26188	624.64641	-14.96936	-14.97058
.899	1.963	-.01144	-.03799	.01808	-.01169	.17593	-.24073	-.25987	624.65552	-14.99937	-14.99061
.900	3.061	-.01032	-.03838	.01787	-.01097	.16425	-.23893	-.25806	625.09925	-14.99937	-15.00063
.899	4.162	-.01111	-.03668	.01749	-.01102	.15113	-.23655	-.25546	624.71502	-14.99937	-15.00063
.899	5.253	-.01221	-.03455	.01704	-.01078	.14004	-.23527	-.25405	624.79273	-14.98937	-15.02065
.899	6.357	-.01151	-.03390	.01658	-.01089	.12603	-.23175	-.25131	624.42651	-15.00938	-15.00063
.900	7.462	-.01185	-.03297	.01634	-.01052	.11659	-.22927	-.24831	625.35530	-14.98937	-14.99061
.899	8.546	-.01317	-.03075	.01594	-.01056	.10925	-.23159	-.25064	624.85222	-15.00938	-14.99061
.899	9.633	-.01305	-.03058	.01585	-.01053	.10678	-.23438	-.25404	624.80183	-14.94934	-14.99061
.899	10.717	-.01319	-.02996	.01568	-.01042	.10359	-.23679	-.25721	624.42651	-14.97936	-14.98060
.899	11.800	-.01452	-.02876	.01568	-.00955	.09047	-.23805	-.25933	624.74232	-15.00938	-14.98060
.899	12.891	-.01530	-.02947	.01623	-.00893	.08536	-.23795	-.26137	624.34880	-14.99937	-14.99061
.900	13.965	-.01387	-.02965	.01584	-.00897	.08746	-.24347	-.27034	625.38268	-15.00938	-14.98060
.899	15.040	-.01386	-.02711	.01490	-.00854	.08700	-.25021	-.27870	624.87954	-15.00938	-14.99061
.899	17.216	-.01380	-.03118	.01647	-.00972	.08621	-.27018	-.30248	624.66461	-15.00938	-14.99061
.899	19.372	-.01354	-.03147	.01655	-.00958	.08995	-.29415	-.32385	624.29833	-14.99937	-15.02065
GRADIENT	.00094	.00023	-.00039	.00021	-.00089	.00235	.00354	-.03281	-.00000	.00502	

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 508

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3051) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -15.000 AILRON = .000

RUN NO. 257/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.075	-.02005	-.03211	.01771	-.01033	.22664	-.36105	-.40621	730.01666	-14.97936	-14.99061
1.200	-2.338	-.01859	-.03305	.01765	-.00978	.19265	-.35528	-.41161	730.16592	-15.01939	-15.02065
1.201	-1.235	-.01602	-.03384	.01724	-.00947	.17135	-.35031	-.41757	730.38870	-14.98937	-14.99061
1.201	-.136	-.01391	-.03345	.01651	-.00973	.15143	-.35288	-.41949	730.42341	-15.02939	-15.02065
1.201	.970	-.01264	-.03368	.01624	-.00988	.13126	-.36109	-.42146	730.20069	-14.95935	-15.01064
1.201	2.069	-.01172	-.03289	.01569	-.00990	.11429	-.36598	-.42127	730.38088	-14.97936	-14.99061
1.201	3.169	-.01195	-.03145	.01521	-.00953	.09912	-.37031	-.42356	730.28015	-15.00938	-15.02065
1.201	4.272	-.01193	-.02977	.01458	-.00925	.08501	-.37619	-.42288	730.30924	-14.96936	-14.96057
1.201	5.367	-.01228	-.02761	.01386	-.00929	.07197	-.38322	-.42312	730.20850	-14.98937	-14.99061
1.200	6.466	-.01241	-.02621	.01337	-.00893	.06113	-.38778	-.42369	730.26667	-14.99937	-15.02065
1.200	7.568	-.01392	-.02427	.01307	-.00830	.05115	-.39069	-.42337	730.26667	-14.98937	-15.02065
1.201	8.668	-.01345	-.02311	.01251	-.00832	.04191	-.39323	-.42548	730.20850	-15.02939	-15.00063
1.201	9.778	-.01406	-.02151	.01209	-.00793	.03361	-.39099	-.42699	730.43907	-15.00938	-15.03067
1.200	10.888	-.01461	-.02089	.01202	-.00774	.02740	-.38878	-.43651	729.93721	-14.98937	-15.00063
1.201	11.995	-.01506	-.02050	.01201	-.00751	.02112	-.38555	-.44567	730.56890	-15.00938	-14.96057
1.200	13.106	-.01399	-.02018	.01161	-.00764	.01515	-.39330	-.44827	730.18144	-15.03940	-15.03067
1.200	14.210	-.01411	-.02046	.01177	-.00734	.00838	-.41086	-.43230	730.32483	-14.98937	-14.99061
1.201	15.308	-.01297	-.02109	.01170	-.00705	.00365	-.42036	-.43264	730.52412	-14.98937	-15.01064
1.200	17.505	-.01329	-.01963	.01128	-.00730	-.00464	-.43359	-.45065	730.20276	-14.96936	-15.01064
1.201	19.703	-.01305	-.01989	.01136	-.00716	-.00979	-.44664	-.47458	730.31484	-14.97936	-15.02065
	GRADIENT	.00108	.00026	-.00040	.00008	-.01708	-.00232	-.00199	.02612	.00202	.00205

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 509

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 266/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.908	-.01179	-.03493	.01838	-.00930	.12685	-.21252	-.23819	462.74428	-9.99625	-10.01377
.601	-2.259	-.00782	-.03968	.01844	-.00875	.12060	-.21095	-.23596	462.49363	-10.00625	-9.97371
.601	-1.199	-.00644	-.03970	.01784	-.00849	.11789	-.20972	-.23507	462.57993	-9.99625	-9.99374
.600	-.142	-.00535	-.03992	.01745	-.00827	.11603	-.20936	-.23424	461.90921	-9.98624	-10.00376
.600	.917	-.00433	-.03936	.01680	-.00825	.11425	-.20824	-.23331	461.74150	-9.99625	-9.99374
.600	1.973	-.00326	-.03961	.01642	-.00807	.11348	-.20664	-.23135	462.24295	-10.00625	-10.00376
.600	3.027	-.00235	-.03965	.01604	-.00768	.11192	-.20665	-.23023	461.15685	-9.98624	-10.00376
.600	4.093	-.00324	-.03802	.01581	-.00792	.11064	-.20481	-.22733	462.16158	-9.99625	-10.00376
.599	5.149	-.00409	-.03612	.01547	-.00782	.10958	-.20537	-.22607	460.99908	-9.99625	-10.00376
.601	6.211	-.00536	-.03400	.01523	-.00752	.10869	-.20350	-.22347	462.40898	-9.99625	-9.99374
.600	7.269	-.00525	-.03365	.01505	-.00769	.10828	-.20311	-.22259	462.15994	-9.98624	-9.99374
.600	8.332	-.00600	-.03232	.01489	-.00738	.10776	-.20401	-.22369	461.32461	-9.99625	-10.00376
.601	9.397	-.00693	-.03013	.01447	-.00722	.10686	-.20449	-.22343	462.50022	-9.99625	-10.01377
.600	10.474	-.00644	-.03071	.01448	-.00668	.10719	-.20609	-.22487	462.32432	-9.99625	-10.01377
.600	11.526	-.00699	-.02972	.01437	-.00668	.10761	-.20817	-.22780	461.91249	-9.99625	-10.00376
.600	12.592	-.00695	-.02958	.01431	-.00664	.10760	-.21203	-.23251	461.65846	-9.98624	-9.99374
.600	13.652	-.00769	-.02958	.01466	-.00712	.09827	-.21808	-.24105	462.16322	-9.98624	-10.00376
.601	14.724	-.00842	-.02750	.01421	-.00661	.09589	-.22221	-.24887	462.40898	-9.97624	-9.99374
.600	16.860	-.00651	-.02768	.01345	-.00645	.09122	-.23327	-.26821	462.07691	-9.97624	-9.99374
.600	18.986	-.00505	-.02815	.01300	-.00866	.08658	-.25520	-.29672	461.24155	-9.98624	-10.02378
GRADIENT		.00107	-.00026	-.00037	.00018	-.00188	.00092	.00125	-.12915	.00061	-.00085

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TABULATED SOURCE DATA - LA62

PAGE 510

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 261/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.899	-4.079	-.01911	-.03964	.02120	-.01285	.18775	-.25371	-.28445	624.61420	-10.02627	-10.01377
.899	-2.361	-.01615	-.04135	.02088	-.01242	.17230	-.24819	-.27394	624.57781	-9.96623	-10.01377
.900	-1.266	-.01383	-.04232	.02049	-.01222	.16383	-.24565	-.26939	624.95296	-9.97624	-10.03380
.899	-.168	-.01339	-.04084	.01979	-.01197	.15503	-.24167	-.26305	624.84311	-9.97624	-9.99374
.899	.923	-.01258	-.04028	.01931	-.01164	.14677	-.23911	-.25926	624.60510	-9.97624	-10.00376
.899	2.017	-.01125	-.04006	.01880	-.01109	.13691	-.23793	-.25671	624.40834	-9.99625	-10.02378
.899	3.116	-.01023	-.04012	.01850	-.01112	.12580	-.23538	-.25265	624.83401	-9.99625	-9.97371
.899	4.215	-.01147	-.03788	.01806	-.01070	.11473	-.23433	-.25111	624.61420	-10.02627	-10.02378
.899	5.313	-.01112	-.03703	.01763	-.01082	.10376	-.23228	-.24958	624.35788	-9.98624	-9.97371
.900	6.404	-.01234	-.03473	.01716	-.01032	.09476	-.22655	-.24373	625.22728	-9.98624	-10.00376
.900	7.480	-.01275	-.03355	.01685	-.01003	.08624	-.22797	-.24464	625.14482	-9.97624	-9.98373
.899	8.564	-.01361	-.03206	.01659	-.01011	.08491	-.22973	-.24830	624.43560	-9.97624	-9.99374
.899	9.661	-.01406	-.03100	.01634	-.00983	.08360	-.23083	-.24901	624.87043	-9.99625	-9.99374
.899	10.743	-.01432	-.02992	.01604	-.01003	.08090	-.23366	-.25108	624.37605	-9.97624	-9.99374
.899	11.822	-.01431	-.02869	.01559	-.00922	.07369	-.23545	-.25135	624.63731	-9.99625	-10.00376
.899	12.896	-.01522	-.03102	.01679	-.00937	.07046	-.23897	-.25835	624.98941	-9.97624	-9.98373
.899	13.963	-.01517	-.02958	.01625	-.00921	.06851	-.24471	-.26633	624.79273	-9.96623	-10.00376
.899	15.053	-.01397	-.02762	.01513	-.00846	.06723	-.25231	-.27578	624.66461	-9.98624	-9.99374
.899	17.236	-.01402	-.03076	.01639	-.00979	.06571	-.27521	-.30047	624.40834	-10.01626	-9.99374
.899	19.389	-.01286	-.03172	.01641	-.00956	.06881	-.30288	-.32863	624.74232	-9.98624	-10.01377
	GRADIENT	.00097	.00025	-.00041	.00026	-.00863	.00236	.00400	-.00506	-.00170	.00153

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TABULATED SOURCE DATA - LA62

PAGE 511

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 253/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.981	-4.089	-.02279	-.03753	.02120	-.01252	.22900	-.35017	-.36907	659.51397	-10.01626	-10.02378
.981	-2.355	-.01913	-.03978	.02092	-.01205	.20580	-.33901	-.35370	659.42260	-10.01626	-10.04381
.981	-1.262	-.01705	-.04110	.02078	-.01177	.19364	-.33357	-.34590	659.57501	-9.98624	-10.05382
.981	-.149	-.01633	-.04006	.02016	-.01196	.18144	-.32847	-.33916	659.51397	-9.99625	-10.01377
.980	.956	-.01428	-.04013	.01957	-.01153	.16827	-.32419	-.33455	659.13256	-10.03627	-10.03380
.980	2.058	-.01339	-.03943	.01903	-.01145	.15347	-.32173	-.33293	659.37673	-10.02627	-10.03380
.980	3.163	-.01367	-.03755	.01841	-.01133	.13813	-.32262	-.33358	659.43738	-10.01626	-9.99374
.980	4.276	-.01312	-.03671	.01793	-.01125	.12433	-.32357	-.33465	659.07108	-10.00625	-9.99374
.980	5.366	-.01357	-.03501	.01743	-.01138	.11103	-.32764	-.33810	659.02517	-10.02627	-10.03380
.980	6.466	-.01507	-.03400	.01751	-.01070	.09896	-.33151	-.34196	659.20834	-9.99625	-9.98373
.980	7.567	-.01584	-.03281	.01731	-.01034	.08913	-.33620	-.34592	659.00954	-9.99625	-9.99374
.980	8.667	-.01626	-.03020	.01647	-.01091	.07769	-.34251	-.35232	659.02468	-9.98624	-10.01377
.980	9.763	-.01630	-.02959	.01627	-.01070	.06554	-.35227	-.36203	659.13167	-9.99625	-10.01377
.980	10.862	-.01784	-.02849	.01635	-.01039	.05624	-.36308	-.37303	659.28455	-10.00625	-10.03380
.980	11.941	-.02010	-.02690	.01647	-.01034	.04750	-.37532	-.38415	659.07061	-10.06629	-10.04381
.980	13.050	-.01867	-.02951	.01704	-.01020	.03968	-.39449	-.40335	659.46770	-10.01626	-9.99374
.980	14.147	-.01817	-.02934	.01685	-.00981	.03441	-.40425	-.41343	658.87174	-9.97624	-9.97371
.980	15.240	-.01805	-.03003	.01709	-.00977	.03191	-.41922	-.42881	659.14729	-9.99625	-10.03380
.981	17.427	-.01731	-.03297	.01803	-.00953	.02115	-.45158	-.46351	659.69739	-10.00625	-10.00376
.980	19.631	-.01837	-.02895	.01693	-.00982	.01383	-.46566	-.48288	659.11550	-10.03627	-10.06384
GRADIENT		.00113	.00020	-.00042	.00014	-.01239	.00323	.00406	-.04069	-.00084	.00490

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 512

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3052) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPOBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = -10.000 AILRON = .000

RUN NO. 256/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.200	-4.010	-.02145	-.03278	.01836	-.00979	.18789	-.35780	-.41744	730.11745	-9.96623	-9.98373
1.200	-2.287	-.02000	-.03198	.01764	-.00922	.15685	-.34885	-.41014	730.15238	-9.95622	-10.01377
1.201	-1.176	-.01657	-.03219	.01677	-.00897	.13685	-.34593	-.41044	730.23759	-9.98624	-9.96370
1.201	-.087	-.01390	-.03212	.01600	-.00899	.11872	-.34903	-.41203	730.18502	-10.01526	-10.02378
1.201	1.002	-.01160	-.03187	.01528	-.00891	.10070	-.35440	-.41384	730.16376	-9.95622	-10.00376
1.201	2.112	-.01021	-.03134	.01469	-.00863	.08447	-.35818	-.41503	730.20069	-9.98624	-9.95369
1.201	3.199	-.01148	-.02911	.01420	-.00855	.06978	-.36183	-.41522	730.37305	-10.02627	-10.00376
1.201	4.308	-.01103	-.02837	.01380	-.00843	.05624	-.36510	-.41698	730.22196	-9.97624	-10.02378
1.201	5.405	-.01176	-.02693	.01346	-.00827	.04439	-.36723	-.41951	730.44466	-9.99625	-10.00376
1.201	6.503	-.01257	-.02534	.01309	-.00806	.03323	-.36935	-.42196	730.22978	-9.98624	-9.98373
1.201	7.605	-.01337	-.02372	.01271	-.00811	.02342	-.37271	-.42113	730.33833	-9.98624	-10.00376
1.200	8.705	-.01388	-.02232	.01233	-.00816	.01664	-.37887	-.41772	730.25314	-9.99625	-9.99374
1.200	9.798	-.01527	-.02145	.01240	-.00757	.01055	-.38577	-.40958	730.13106	-10.00625	-9.98373
1.200	10.915	-.01553	-.02071	.01221	-.00749	.00601	-.39136	-.40443	730.16592	-9.98624	-9.99374
1.200	12.008	-.01527	-.02057	.01210	-.00741	.00007	-.39987	-.40335	730.25314	-9.98624	-9.98373
1.200	13.126	-.01468	-.02101	.01212	-.00722	-.00585	-.40846	-.41147	729.89451	-9.98624	-10.00376
1.201	14.231	-.01411	-.02140	.01212	-.00683	-.01332	-.41835	-.42464	730.49502	-10.00625	-10.00376
1.201	15.335	-.01352	-.02243	.01237	-.00664	-.01794	-.42292	-.43542	730.23759	-10.01626	-10.05382
1.200	17.532	-.01327	-.02031	.01154	-.00718	-.02886	-.43444	-.45065	729.82871	-9.93621	-9.98373
1.201	19.736	-.01374	-.01988	.01156	-.00711	-.03210	-.44018	-.45913	730.40215	-9.97624	-10.00376
GRADIENT		.00143	.00049	-.00058	.00015	-.01591	-.00152	-.00033	.01776	-.00374	-.00191

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 513

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVEN = .000 AILRON = .000

RUN NO. 265/ 0

RN/L = 3.50

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.796	-.01023	-.03818	.01893	-.01112	.03736	-.23228	-.26514	462.67117	.01000	.04007
.601	-2.148	-.00867	-.03851	.01836	-.01043	.03536	-.22912	-.26093	463.50431	.01000	.02003
.600	-1.103	-.00736	-.03960	.01821	-.01041	.03412	-.22788	-.25933	461.32461	.00000	.01002
.601	-.035	-.00556	-.04032	.01769	-.01024	.03348	-.22616	-.25719	462.66128	.00000	.01002
.600	1.011	-.00426	-.04030	.01712	-.00985	.03278	-.22536	-.25509	461.90921	.01000	-.01001
.600	2.079	-.00463	-.03825	.01650	-.00952	.03175	-.22451	-.25288	461.91249	.01000	.00000
.600	3.138	-.00486	-.03749	.01632	-.00969	.03076	-.22255	-.24959	461.74314	.01000	.00000
.600	4.196	-.00329	-.03805	.01585	-.00933	.02961	-.22217	-.24819	461.82618	.00000	.00000
.600	5.254	-.00497	-.03542	.01559	-.00932	.02879	-.22042	-.24460	461.57541	.00000	.01002
.600	6.320	-.00476	-.03514	.01539	-.00923	.02726	-.21859	-.24122	462.15994	.00000	.03005
.601	7.382	-.00638	-.03270	.01506	-.00897	.02589	-.21745	-.23938	462.74923	-.02001	.01002
.600	8.429	-.00605	-.03197	.01478	-.00932	.02412	-.21981	-.23991	462.08020	-.01001	.00000
.600	9.509	-.00748	-.02913	.01434	-.00861	.02283	-.21923	-.23949	461.91249	-.04003	-.01001
.601	10.571	-.00735	-.02907	.01427	-.00837	.02295	-.22025	-.24219	462.24789	-.03002	-.05007
.601	11.644	-.00778	-.02783	.01403	-.00828	.02413	-.22238	-.24530	462.74593	.00000	-.06008
.600	12.711	-.00859	-.02862	.01468	-.00770	.02095	-.22791	-.25303	462.24460	.00000	.00000
.600	13.760	-.00944	-.03044	.01577	-.00633	.01636	-.23736	-.26482	462.07856	.01000	.02003
.601	14.834	-.00909	-.02947	.01526	-.00609	.01285	-.24353	-.27751	462.91686	.00000	.00000
.600	16.960	-.00724	-.02705	.01355	-.00654	.00076	-.26940	-.31825	462.00045	.05000	.01002
.600	19.103	-.00743	-.02621	.01336	-.00818	-.00378	-.29147	-.35448	461.83274	-.03002	.04007
GRADIENT		.00084	.00010	-.00040	.00021	-.00092	.00124	.00212	-.14551	-.00035	-.00476

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 514

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 264/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.700	-3.838	-.01296	-.03911	.01982	-.01143	.04200	-.23361	522.98724	-.04003	.04007
.700	-2.176	-.01098	-.03994	.01936	-.01101	.03845	-.23076	522.67412	-.04003	.02003
.700	-1.108	-.00901	-.04071	.01890	-.01080	.03705	-.22895	522.67088	-.01001	.03005
.700	-.034	-.00735	-.04131	.01848	-.01056	.03574	-.22745	522.66764	-.03002	.03005
.700	1.022	-.00655	-.04045	.01785	-.01040	.03493	-.22545	522.43762	-.03002	.02003
.700	2.089	-.00519	-.04072	.01743	-.01001	.03387	-.22379	522.44086	-.01001	.02003
.700	3.152	-.00497	-.03993	.01704	-.00976	.03256	-.22203	522.67412	.00000	.01002
.700	4.228	-.00621	-.03748	.01659	-.00961	.03125	-.22045	522.83069	-.01001	.01002
.700	5.309	-.00626	-.03659	.01628	-.00950	.03008	-.21811	522.37388	-.01001	.01002
.700	6.380	-.00674	-.03535	.01600	-.00959	.02828	-.21770	522.59097	.00000	.01002
.700	7.441	-.00751	-.03323	.01551	-.00937	.02616	-.21613	522.75727	-.02001	.00000
.700	8.520	-.00799	-.03159	.01508	-.00904	.02406	-.21581	522.44086	.00000	.00000
.700	9.591	-.00898	-.02921	.01457	-.00880	.02137	-.21764	523.06064	.00000	-.02003
.700	10.666	-.00903	-.02929	.01464	-.00932	.02057	-.22078	522.44086	.00000	-.01001
.700	11.715	-.00911	-.02843	.01436	-.00986	.02001	-.22710	522.44086	-.02001	-.07010
.700	12.788	-.00900	-.02734	.01392	-.01001	.01824	-.23222	522.75727	-.07004	-.09012
.701	13.877	-.00884	-.02732	.01385	-.00917	.01400	-.24237	523.21392	-.02001	-.02003
.699	14.928	-.00927	-.02815	.01437	-.00723	.01153	-.25093	522.06707	-.02001	-.04006
.700	17.117	-.00938	-.02677	.01392	-.00739	-.00353	-.27868	523.06389	-.03002	.00000
.701	19.267	-.00939	-.02700	.01406	-.00906	-.00371	-.30675	523.38669	-.01001	.01002
GRADIENT		.00097	.00012	-.00042	.00023	-.00124	.00164	-.02401	.00438	-.00325

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TABULATED SOURCE DATA - LA62

PAGE 515

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 263/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.800	-3.892	-.01555	-.04092	.02095	-.01212	.04934	-.24223	-.27062	576.83959	-.01001	.00000
.800	-2.191	-.01496	-.04057	.02059	-.01144	.04492	-.23702	-.26284	577.26708	-.01001	.00000
.800	-1.130	-.01194	-.04219	.02015	-.01135	.04212	-.23545	-.25966	576.75369	.01000	.00000
.800	-.050	-.01244	-.04001	.01950	-.01095	.03995	-.23218	-.25491	577.10155	-.01001	.00000
.800	1.019	-.00902	-.04196	.01904	-.01098	.03880	-.23003	-.25209	577.02822	-.03002	.00000
.800	2.103	-.00774	-.04190	.01857	-.01040	.03718	-.22754	-.24799	576.75997	-.01001	.03005
.800	3.171	-.00797	-.04038	.01808	-.01014	.03542	-.22536	-.24487	576.74113	.00000	.03005
.801	4.263	-.00728	-.03967	.01757	-.01018	.03301	-.22269	-.24110	577.72994	.00000	.02003
.800	5.346	-.00906	-.03695	.01717	-.01005	.02977	-.22135	-.23895	577.66924	.00000	.01002
.799	6.438	-.00948	-.03531	.01671	-.00978	.02613	-.22057	-.23752	576.77879	.01000	.01002
.800	7.506	-.01105	-.03321	.01647	-.00967	.02413	-.22163	-.23760	577.66294	.00000	.01002
.800	8.578	-.01088	-.03205	.01598	-.00975	.02310	-.22274	-.23803	577.59593	.00000	-.04006
.800	9.653	-.01187	-.03032	.01569	-.01035	.02221	-.22555	-.24180	576.96745	-.01001	-.02003
.800	10.732	-.01251	-.02938	.01558	-.01025	.02325	-.22970	-.24592	577.18117	.01000	-.03004
.801	11.787	-.01258	-.02959	.01569	-.00987	.02356	-.23396	-.25312	578.15709	.02000	-.02003
.800	12.856	-.01211	-.02953	.01552	-.00932	.02021	-.24409	-.26906	577.30896	.00000	-.10014
.800	13.941	-.01304	-.02818	.01536	-.00932	.01477	-.25639	-.28862	577.52891	-.02001	.02003
.800	15.037	-.01314	-.02857	.01557	-.00938	.00700	-.26842	-.30604	577.12041	-.02001	-.02003
.800	17.229	-.01279	-.02869	.01555	-.00965	-.00734	-.29379	-.34354	576.77252	-.06004	.00000
.800	19.362	-.01266	-.02939	.01582	-.00754	-.00789	-.31195	-.37392	577.25450	-.04003	.00000
GRADIENT	.00115	.00009	-.00043	.00024	-.00189	.00234	.00355	.03802	.00043	.00394	

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TABULATED SOURCE DATA - LA62

PAGE 516

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 260/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R	
.900	-3.939	-.02048	-.04189	.02249	-.01289	.06345	-.26978	-.29580	625.01243	-.04003	.01002
.900	-2.232	-.01667	-.04434	.02217	-.01198	.05324	-.26377	-.28781	624.94385	-.02001	.01002
.899	-1.136	-.01539	-.04395	.02161	-.01159	.04580	-.26007	-.28275	624.77452	-.03002	.00000
.899	-.044	-.01257	-.04537	.02124	-.01140	.03983	-.25900	-.28031	624.62821	-.03002	.01002
.900	1.050	-.01142	-.04481	.02066	-.01131	.03437	-.25520	-.27514	624.99419	-.02001	-.03004
.900	2.145	-.01152	-.04255	.01983	-.01118	.02899	-.25147	-.27003	625.51532	-.03002	-.02003
.900	3.232	-.01063	-.04286	.01966	-.01062	.02569	-.24822	-.26580	625.44676	-.02001	-.02003
.900	4.314	-.01110	-.04149	.01930	-.00998	.02526	-.24647	-.26269	625.09925	.02000	.02003
.900	5.394	-.01236	-.03868	.01865	-.00953	.02520	-.24353	-.25913	625.23641	.00000	.03005
.900	6.474	-.01208	-.03665	.01780	-.00932	.02304	-.23958	-.25433	625.03066	.02000	.01002
.899	7.540	-.01345	-.03495	.01761	-.01011	.02104	-.24079	-.25516	624.82490	.01000	.00000
.900	8.618	-.01392	-.03340	.01719	-.01084	.01944	-.24243	-.25791	625.15871	-.01001	.00000
.900	9.718	-.01513	-.03133	.01682	-.01079	.01829	-.24680	-.26239	625.22728	.00000	.00000
.899	10.790	-.01518	-.02853	.01579	-.00966	.01562	-.25062	-.26570	624.79273	.01000	.00000
.900	11.866	-.01526	-.02829	.01574	-.00945	.00820	-.25845	-.27524	625.03978	.00000	.01002
.900	12.951	-.01648	-.02774	.01596	-.01015	.00299	-.26841	-.28892	624.98030	.05000	.01002
.900	14.032	-.01578	-.02604	.01511	-.00954	-.00208	-.27629	-.29851	625.37356	.00000	-.01001
.900	15.121	-.01530	-.02571	.01484	-.00928	-.00692	-.28538	-.30918	625.30498	.03000	-.03004
.899	17.309	-.01499	-.02835	.01581	-.01072	-.01475	-.30394	-.33344	624.88864	.00000	.01002
.900	19.468	-.01479	-.02892	.01601	-.00961	-.01561	-.33210	-.35996	625.18606	.03000	.00000
GRADIENT		.00115	.00013	-.00042	.00030	-.00483	.00283	.00402	.05706	.00446	-.00193

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TABULATED SOURCE DATA - LA62

PAGE 517

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES YMRP = .0000 IN. YO
BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
RUDDER = -10.000 BDFLAP = .000
ELEVON = .000 AILRON = .000

RUN NO. 259/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.920	-3.948	-.02141	-.04007	.02199	-.01287	.06600	-.27859	-.30354	634.53073	-.04003	.03005
.919	-2.235	-.01810	-.04141	.02145	-.01263	.05161	-.27229	-.29594	633.65624	-.02001	.05008
.919	-1.138	-.01645	-.04240	.02129	-.01226	.04320	-.26882	-.29100	633.65624	-.04003	.03005
.920	-.028	-.01429	-.04309	.02086	-.01217	.03602	-.26580	-.28638	634.02567	-.01001	.00000
.920	1.057	-.01257	-.04273	.02018	-.01186	.02928	-.26238	-.28199	633.89935	.00000	-.02003
.920	2.151	-.01172	-.04191	.01960	-.01170	.02330	-.25735	-.27647	634.35576	-.04003	-.03004
.920	3.239	-.01050	-.04146	.01905	-.01115	.02018	-.25481	-.27334	633.91851	.00000	.00000
.920	4.325	-.01242	-.03942	.01889	-.01016	.02005	-.25177	-.26883	634.05442	.02000	-.02003
.920	5.409	-.01173	-.03847	.01832	-.00953	.01967	-.24985	-.26606	633.89935	.06000	-.03004
.920	6.491	-.01178	-.03591	.01737	-.00941	.01748	-.24832	-.26416	634.29743	-.01001	-.03004
.920	7.567	-.01213	-.03324	.01648	-.01004	.01522	-.24923	-.26506	634.20071	.00000	-.01001
.920	8.657	-.01265	-.02983	.01536	-.01005	.01413	-.25041	-.26563	634.04484	-.04003	-.06008
.920	9.745	-.01529	-.02654	.01498	-.01057	.00821	-.25645	-.27101	634.42369	.03000	.00000
.920	10.819	-.01508	-.02740	.01526	-.00981	.00503	-.26495	-.27973	633.97689	.04000	-.04006
.921	11.902	-.01517	-.02466	.01426	-.00927	-.00050	-.27723	-.28984	635.04554	-.01001	.00000
.921	12.980	-.01598	-.02416	.01436	-.00923	-.00846	-.28737	-.30241	634.55057	.06000	.00000
.921	14.078	-.01492	-.02657	.01495	-.00937	-.01371	-.29710	-.31875	634.68637	.02000	-.02003
.920	15.174	-.01381	-.02576	.01431	-.00896	-.01899	-.30856	-.33549	634.30776	.00000	-.03004
.921	17.347	-.01427	-.02674	.01488	-.00961	-.02838	-.32181	-.34706	634.57942	-.06004	.03005
.921	19.515	-.01289	-.02863	.01519	-.00947	-.03035	-.34538	-.37595	634.75427	-.05003	-.03004
GRADIENT		.00123	.00004	-.00041	.00029	-.00572	.00326	.00420	-.00628	.00550	-.00821

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OF POOR QUALITY

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TABULATED SOURCE DATA - LA62

PAGE 518

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 258/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.950	-3.969	-.02105	-.03698	.02058	-.01306	.09882	-.30392	-.32559	646.94077	-.06004	-.08011
.951	-2.244	-.01928	-.03708	.02005	-.01326	.07706	-.29855	-.31685	647.27489	-.03002	-.04006
.951	-1.162	-.01732	-.03854	.01999	-.01322	.06679	-.29693	-.31438	647.38234	-.01001	-.01001
.951	-.052	-.01549	-.03863	.01945	-.01305	.05725	-.29441	-.30994	647.30540	-.03002	.00000
.951	1.048	-.01380	-.03893	.01904	-.01290	.04713	-.29208	-.30616	647.37073	.00000	.00000
.951	2.142	-.01325	-.03771	.01841	-.01265	.03698	-.28935	-.30333	647.20955	-.02001	.00000
.950	3.242	-.01321	-.03651	.01795	-.01243	.02815	-.28688	-.30087	647.01353	.00000	.00000
.951	4.336	-.01355	-.03566	.01774	-.01195	.01896	-.28422	-.29798	647.27489	-.02001	.00000
.951	5.430	-.01394	-.03384	.01718	-.01222	.01105	-.28181	-.29510	647.20955	-.02001	-.01001
.950	6.526	-.01477	-.03405	.01753	-.01069	.00530	-.28109	-.29463	647.17900	.00000	-.02003
.950	7.615	-.01518	-.03209	.01693	-.01051	.00063	-.28020	-.29277	646.98296	.00000	-.03004
.950	8.703	-.01504	-.03081	.01641	-.01051	-.00390	-.28314	-.29474	646.91760	.00000	-.05007
.950	9.793	-.01596	-.02824	.01574	-.00986	-.00699	-.28982	-.30114	647.23275	-.08005	-.02003
.951	10.875	-.01387	-.02862	.01524	-.00960	-.01254	-.29985	-.31197	647.36343	-.02001	-.04006
.950	11.965	-.00947	-.02930	.01411	-.00926	-.01752	-.30900	-.32459	646.99455	-.03002	.02003
.950	13.059	-.00585	-.02919	.01293	-.00859	-.02325	-.32001	-.33991	647.08307	-.06004	-.06008
.950	14.145	-.00241	-.03046	.01231	-.00831	-.02828	-.33154	-.35733	646.87541	-.03002	.09015
.950	15.236	-.00080	-.02910	.01128	-.00821	-.03181	-.34435	-.37516	647.01772	-.01001	.00000
.951	17.434	.00395	-.03316	.01127	-.00784	-.04263	-.37505	-.41064	647.80468	.06000	.03005
.950	19.606	-.01529	-.02746	.01546	-.01006	-.04266	-.40043	-.43186	646.70649	.05000	-.05007
GRADIENT		.00101	.00013	-.00037	.00014	-.00939	.00230	.00323	.00881	.00467	.00850

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TABULATED SOURCE DATA - LA62

PAGE 519

LARC BFT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 252/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.980	-3.973	-.02276	-.03622	.02069	-.01264	.10802	-.38854	-.39790	659.49843	-.01001	-.05007
.981	-2.246	-.01972	-.03761	.02028	-.01294	.08567	-.37872	-.38646	659.65121	.00000	.17028
.980	-1.145	-.01783	-.03788	.01980	-.01259	.07518	-.37343	-.38012	659.46810	.00000	-.02003
.981	-.031	-.01586	-.03827	.01934	-.01250	.06490	-.36957	-.37544	660.15461	.00000	-.03004
.980	1.066	-.01587	-.03707	.01889	-.01248	.05504	-.36562	-.37104	659.78809	.00000	-.04006
.981	2.157	-.01505	-.03663	.01847	-.01230	.04466	-.36529	-.37048	660.13943	-.02001	-.05007
.980	3.243	-.01448	-.03640	.01822	-.01236	.03465	-.36175	-.36612	658.96361	-.01001	.05008
.980	4.351	-.01590	-.03501	.01814	-.01205	.02469	-.36277	-.36714	659.16244	-.03002	.00000
.980	5.448	-.01615	-.03401	.01784	-.01227	.01503	-.36435	-.36847	659.40665	-.03002	-.01001
.980	6.547	-.01652	-.03361	.01782	-.01190	.00593	-.36786	-.37150	658.93333	-.05003	-.02003
.980	7.636	-.01791	-.03289	.01799	-.01128	.00018	-.37048	-.37530	658.90254	-.03002	-.04006
.980	8.732	-.01905	-.03089	.01759	-.01114	-.00781	-.38006	-.38578	659.13167	-.07004	-.08011
.980	9.812	-.01837	-.02997	.01705	-.01118	-.01375	-.39031	-.40359	658.88741	-.05003	-.07010
.980	10.912	-.01916	-.02892	.01692	-.01089	-.01969	-.40182	-.42123	658.97875	.00000	-.06008
.980	11.993	-.02194	-.02798	.01746	-.01080	-.02488	-.41420	-.43463	658.79553	-.02001	-.04006
.980	13.109	-.01966	-.02861	.01701	-.01039	-.03058	-.42515	-.44613	658.85661	-.03002	-.05007
.980	14.198	-.01972	-.02814	.01688	-.00998	-.03578	-.43717	-.45702	659.16196	-.03002	-.01001
.980	15.290	-.01931	-.02829	.01684	-.01036	-.03852	-.45092	-.47177	659.20834	-.01001	.02003
.981	17.488	-.01806	-.03178	.01783	-.00990	-.04935	-.47152	-.49144	659.63637	-.05003	-.07010
.981	19.671	-.01835	-.02807	.01659	-.01054	-.05934	-.49926	-.51240	659.66673	.00000	.02003
GRADIENT		.00087	.00018	-.00034	.00008	-.00976	.00309	.00368	-.03921	-.00244	-.00288

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TABULATED SOURCE DATA - LA62

PAGE 520

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 254/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.120	-3.958	-.02162	-.03000	.01753	-.01092	.11402	-.35752	-.36911	708.16854	.01000	-.04006
1.121	-2.237	-.01966	-.03013	.01701	-.01106	.09265	-.36005	-.37295	708.42431	-.01001	.01002
1.121	-1.136	-.01792	-.03050	.01665	-.01082	.07600	-.36050	-.37063	708.42431	.00000	.00000
1.121	-.024	-.01427	-.03181	.01611	-.01057	.05968	-.36488	-.37268	708.16636	-.04003	-.03004
1.120	1.080	-.01222	-.03201	.01560	-.01033	.04235	-.36569	-.37626	707.69738	.04000	.00000
1.120	2.179	-.01226	-.03055	.01507	-.01002	.02771	-.36857	-.37934	707.82061	.05000	-.04006
1.119	3.276	-.01185	-.02988	.01470	-.00980	.01496	-.36935	-.37969	707.44307	.00000	.00000
1.121	4.385	-.01350	-.02796	.01445	-.00956	.00302	-.37263	-.38350	708.11923	-.06004	-.02003
1.121	5.474	-.01362	-.02716	.01418	-.00934	-.00798	-.37545	-.38729	708.20641	.01000	-.04006
1.121	6.581	-.01438	-.02616	.01403	-.00901	-.01611	-.37775	-.39047	708.29844	.03000	-.02003
1.121	7.669	-.01582	-.02456	.01386	-.00890	-.02321	-.38074	-.39356	708.28269	.03000	.00000
1.121	8.756	-.01636	-.02342	.01358	-.00863	-.02504	-.38130	-.38593	708.28269	.00000	-.01001
1.121	9.859	-.01751	-.02271	.01366	-.00853	-.03047	-.38523	-.39084	708.14833	-.04003	-.03004
1.121	10.968	-.01709	-.02258	.01351	-.00902	-.03593	-.38984	-.39587	708.10351	-.03002	.03005
1.121	12.059	-.01872	-.02209	.01382	-.00881	-.03866	-.40064	-.41171	707.99578	-.02001	.01002
1.121	13.167	-.01848	-.02285	.01406	-.00850	-.04341	-.41109	-.42123	708.11686	.00000	-.02003
1.121	14.274	-.01767	-.02292	.01387	-.00792	-.04923	-.42133	-.43419	709.07438	.00000	.00000
1.121	15.384	-.01738	-.02258	.01368	-.00747	-.05739	-.43376	-.44756	708.05867	.00000	.00000
1.120	17.587	-.01667	-.02187	.01327	-.00729	-.06824	-.45583	-.47452	707.65439	-.01001	-.02003
1.122	19.753	-.01655	-.02161	.01318	-.00736	-.07514	-.47308	-.49008	710.37905	.00000	.00000
	GRADIENT	.00120	.00014	-.00039	.00019	-.01368	-.00182	-.00168	-.07537	-.00218	.00027

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3053) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6000 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = -10.000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 255/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
1.201	-3.941	-.01990	-.02955	.01670	-.00981	.10940	-.35541	-.37238	730.32821	.01000	-.01001
1.201	-2.217	-.01738	-.03076	.01645	-.00986	.08272	-.35730	-.36623	730.04177	.00000	-.02003
1.201	-1.103	-.01609	-.03006	.01583	-.00977	.06503	-.35555	-.35966	730.28015	.00000	-.01001
1.201	-.019	-.01329	-.03130	.01552	-.00966	.04978	-.35633	-.35872	730.30142	-.03002	-.03004
1.201	1.079	-.01153	-.03104	.01494	-.00928	.03438	-.35670	-.35952	730.45013	.01000	.01002
1.201	2.175	-.01003	-.03049	.01432	-.00910	.02053	-.36005	-.36318	730.03394	.03000	.00000
1.201	3.258	-.01123	-.02841	.01386	-.00898	.00763	-.36144	-.36487	730.22196	-.02001	-.04006
1.201	4.366	-.01188	-.02693	.01349	-.00873	-.00480	-.36406	-.36824	730.26448	.02000	.02003
1.201	5.465	-.01196	-.02638	.01331	-.00834	-.01555	-.36774	-.37233	730.42341	.03000	.00000
1.201	6.560	-.01341	-.02430	.01293	-.00812	-.02518	-.37206	-.37867	730.25106	.04000	-.02003
1.200	7.648	-.01372	-.02396	.01290	-.00809	-.03224	-.37746	-.38554	730.21630	.00000	-.04006
1.200	8.755	-.01534	-.02201	.01262	-.00848	-.03822	-.38129	-.39075	730.18918	.01000	.01002
1.201	9.866	-.01537	-.02135	.01240	-.00850	-.04242	-.38564	-.39466	730.11340	-.01001	.04007
1.201	10.959	-.01526	-.02130	.01235	-.00787	-.04753	-.38860	-.39824	730.62708	-.02001	.07011
1.201	12.066	-.01538	-.02108	.01232	-.00802	-.05364	-.39625	-.40650	730.40215	-.02001	.01002
1.201	13.171	-.01522	-.02046	.01206	-.00817	-.05913	-.40904	-.42235	730.18721	-.05003	.02003
1.200	14.276	-.01568	-.01995	.01202	-.00750	-.06506	-.41622	-.42810	730.30353	-.02001	.00000
1.201	15.377	-.01482	-.02069	.01208	-.00715	-.07153	-.42191	-.43452	730.02050	-.01001	.02003
1.200	17.579	-.01476	-.01930	.01158	-.00741	-.08366	-.43980	-.45629	730.31902	-.01001	.01002
1.200	19.768	-.01332	-.02018	.01155	-.00729	-.08617	-.45842	-.47440	730.19500	.00000	.04007
	GRADIENT	.00112	.00028	-.00042	.00015	-.01377	-.00097	.00034	-.00230	.00091	.00178

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TABULATED SOURCE DATA - LA62

PAGE 522

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3054) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 272/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.350	-3.555	.00105	.00213	-.00211	-.00017	.03143	-.20239	163.33065	.01000	.02004
.351	-2.039	.00230	-.00157	-.00225	-.00010	.03050	-.20024	163.51823	.01000	.01002
.351	-1.002	.00263	-.00218	-.00241	.00006	.02905	-.20038	163.79911	.01000	.00000
.351	-.004	.00350	-.00461	-.00257	.00028	.02801	-.20061	163.61178	.02001	.01002
.350	1.006	.00340	-.00430	-.00259	.00007	.02838	-.20029	162.67613	.01000	.00000
.349	2.034	.00345	-.00400	-.00277	.00048	.02717	-.19992	162.58254	.01000	.01002
.350	3.062	.00352	-.00468	-.00259	.00043	.02615	-.19936	163.05091	.01000	.00000
.351	4.082	.00311	-.00235	-.00295	.00005	.02498	-.19905	163.70604	.02001	.01002
.350	5.119	.00316	-.00209	-.00313	.00012	.02357	-.19891	163.42468	.01000	.00000
.351	6.111	.00276	-.00075	-.00314	.00037	.02271	-.19809	163.70580	.02001	.00000
.350	7.118	.00255	.00042	-.00334	.00008	.02129	-.20032	163.04996	.01000	.00000
.350	8.128	.00216	.00173	-.00335	.00006	.01983	-.19769	163.23804	.01000	.00000
.350	9.161	.00200	.00224	-.00335	-.00007	.01931	-.19795	163.42540	.00000	.02004
.350	10.182	.00175	.00262	-.00319	-.00007	.01859	-.19939	163.42492	.00000	.00000
.350	11.215	.00176	.00304	-.00337	.00034	.01909	-.20117	163.14424	-.01000	.01002
.350	12.214	.00121	.00403	-.00305	.00065	.02053	-.20214	163.14424	-.03001	.00000
.350	13.258	.00093	.00450	-.00289	.00065	.02104	-.20565	163.42492	-.02001	.01002
.350	14.280	.00101	.00513	-.00324	.00053	.01877	-.20961	163.33160	-.03001	.00000
.350	16.316	.00119	.00492	-.00339	.00003	.00968	-.21719	163.42516	-.03001	.00000
.351	18.401	.00169	.00675	-.00475	-.00058	-.00416	-.24332	163.98666	.00000	.00000
GRADIENT		.00026	-.00061	-.00010	.00006	-.00081	.00034	-.04626	.00067	-.00121

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3054) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = .000 AILRON = .000

RUN NO. 268/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R	
.600	-3.582	.00013	-.00060	.00013	-.00029	.03469	-.21882	-.25209	264.12439	.00000	.00000
.602	-2.077	.00076	-.00272	.00045	-.00024	.03282	-.21808	-.24859	264.95418	.01000	-.04004
.601	-1.056	.00204	-.00479	.00026	-.00006	.03178	-.21853	-.24610	264.78828	.03001	-.02002
.601	-.006	.00292	-.00520	-.00026	.00021	.03141	-.21570	-.24301	264.62566	.06002	-.04004
.601	1.013	.00319	-.00517	-.00047	.00019	.03114	-.21615	-.24166	264.79159	.04001	-.04004
.601	2.036	.00389	-.00607	-.00067	.00044	.03027	-.21622	-.23970	264.38000	.04001	-.04004
.601	3.058	.00395	-.00590	-.00078	.00031	.02920	-.21384	-.23644	264.37670	.04001	-.02002
.601	4.154	.00323	-.00385	-.00101	.00022	.02774	-.21302	-.23504	264.29370	.05001	-.04004
.601	5.166	.00260	-.00255	-.00103	.00015	.02596	-.21221	-.23214	264.54433	.05001	-.04004
.601	6.178	.00211	-.00181	-.00093	-.00030	.02449	-.21065	-.22999	264.62566	.04001	-.04004
.602	7.204	.00219	-.00143	-.00114	-.00020	.02258	-.20978	-.22850	264.96082	.04001	-.08008
.601	8.271	.00149	.00059	-.00137	.00006	.02097	-.21021	-.22866	264.79491	.03001	-.07007
.601	9.276	.00122	.00142	-.00148	.00004	.02010	-.21205	-.23082	264.37835	.02001	-.08008
.601	10.324	.00146	.00120	-.00159	.00036	.01905	-.21295	-.23200	264.37835	.01000	-.10010
.601	11.341	.00042	.00366	-.00171	.00097	.01907	-.21473	-.23526	264.38000	.02001	-.09009
.601	12.372	-.00107	-.00361	.00220	.00359	.01367	-.21897	-.24035	264.62896	.02001	-.09009
.601	13.432	.00048	.00212	-.00118	.00072	.00869	-.22529	-.24812	264.54433	.03001	-.12012
.601	14.473	.00067	.00284	-.00160	.00100	.00441	-.23191	-.25975	264.46299	.03001	-.14014
.600	16.560	.00086	.00298	-.00181	.00126	-.00542	-.25488	-.29160	263.79391	.03001	-.08008
.600	18.613	.00113	.00380	-.00235	.00135	-.00875	-.27921	-.32327	263.62289	.01000	-.10010
	GRADIENT	.00049	-.00049	-.00019	.00009	-.00080	.00075	.00223	-.02546	.00577	-.00286

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3055) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVEN = .000 AILRON = .000

RUN NO. 271/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.602	-3.545	.00183	-.00232	-.00192	-.00071	.03787	-.21816	-.25176	132.43479	-.02001	-.03003
.601	-2.043	.00182	-.00278	-.00172	-.00033	.03604	-.21578	-.24762	132.43644	.00000	-.03003
.602	-1.018	.00219	-.00485	-.00150	-.00044	.03357	-.21594	-.24418	132.69024	.00000	-.04004
.602	-.033	.00270	-.00580	-.00191	-.00034	.03369	-.21609	-.24139	132.60565	.00000	-.04004
.602	.992	.00297	-.00575	-.00234	-.00019	.03438	-.21327	-.23800	132.52105	-.01000	-.02002
.601	2.059	.00331	-.00658	-.00255	-.00007	.03304	-.21222	-.23462	132.43810	.00000	-.02002
.601	3.024	.00300	-.00529	-.00257	-.00019	.03106	-.21117	-.23241	132.35349	.00000	.00000
.601	4.040	.00293	-.00388	-.00300	-.00014	.02923	-.20894	-.22901	132.27051	.00000	-.01001
.601	5.065	.00289	-.00374	-.00301	.00003	.02702	-.21086	-.22976	132.18752	-.01000	-.03003
.601	6.104	.00225	-.00108	-.00304	-.00037	.02523	-.20821	-.22649	132.35680	-.02001	-.02002
.601	7.091	.00244	-.00077	-.00346	-.00062	.02352	-.20939	-.22768	132.35845	-.01000	-.03003
.600	8.137	.00186	.00051	-.00307	-.00049	.02075	-.21101	-.22991	132.10781	-.01000	-.02002
.600	9.125	.00217	.00092	-.00370	-.00040	.01982	-.20817	-.22592	132.02315	-.01000	.00000
.600	10.165	.00189	.00375	-.00435	.00015	.01696	-.21174	-.23007	132.02315	-.04002	-.03003
.600	11.200	.00194	.00921	-.00650	-.00301	.01351	-.21189	-.23022	131.93847	-.05002	-.02002
.600	12.176	.00175	.00208	-.00352	-.00063	.00960	-.21785	-.23556	131.93683	-.05002	-.01001
.600	13.204	.00179	.00134	-.00331	-.00017	.00668	-.22485	-.24430	132.01986	-.07003	-.02002
.600	14.243	.00119	.00385	-.00334	.00096	.00543	-.22723	-.24726	132.01986	-.08003	-.04004
.600	15.249	.00190	.00193	-.00374	.00128	.00305	-.23557	-.25734	132.01986	-.08003	-.04004
.599	18.283	.00174	.00311	-.00399	.00258	-.00465	-.27543	-.30954	131.77563	-.10004	-.08008
GRADIENT		.00019	-.00033	-.00017	.00007	-.00098	.00114	.00301	-.02565	.00158	.00407

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3056) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 269/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.601	-3.561	.00172	-.00288	-.00023	.00404	-.04541	-.24223	-.27120	264.54103	11.99300	8.03406
.601	-2.047	.00272	-.00436	-.00043	.00425	-.04774	-.24112	-.26715	264.45804	12.00300	8.02404
.601	-.983	.00330	-.00526	-.00053	.00479	-.04892	-.23993	-.26537	264.45804	12.00300	8.02404
.601	.027	.00392	-.00626	-.00062	.00507	-.05053	-.23920	-.26466	264.29370	11.99300	8.02404
.601	1.079	.00464	-.00718	-.00082	.00552	-.05197	-.23747	-.26440	264.54268	11.98300	8.02404
.601	2.119	.00488	-.00766	-.00082	.00545	-.05318	-.23547	-.26241	264.45804	11.98300	8.03406
.601	3.134	.00540	-.00789	-.00113	.00551	-.05434	-.23353	-.25869	264.62896	11.99300	8.04408
.601	4.186	.00518	-.00715	-.00124	.00548	-.05568	-.23063	-.25548	264.87952	11.97299	8.03406
.602	5.203	.00460	-.00625	-.00115	.00556	-.05756	-.23114	-.25273	264.95082	11.96299	8.03406
.600	6.224	.00477	-.00664	-.00115	.00542	-.06009	-.23065	-.25082	264.21234	11.97299	8.03406
.601	7.259	.00368	-.00355	-.00149	.00551	-.06157	-.23020	-.24917	264.37340	11.97299	8.03406
.601	8.293	.00359	-.00336	-.00149	.00598	-.06283	-.23146	-.24926	264.29040	12.01300	8.01402
.601	9.366	.00290	-.00224	-.00139	.00653	-.06587	-.23012	-.24672	264.45639	11.98300	8.02404
.601	10.362	.00344	-.00311	-.00149	.00729	-.06792	-.23205	-.24893	264.62235	11.99300	8.00401
.600	11.410	.00363	-.00385	-.00138	.00778	-.07092	-.23380	-.25310	263.70267	11.97299	8.00401
.601	12.451	.00317	-.00374	-.00106	.00776	-.07590	-.23615	-.25806	264.37505	11.96299	8.00401
.601	13.493	.00205	-.00758	-.00126	.01237	-.07969	-.24223	-.26676	264.54103	11.95299	7.92387
.601	14.541	.00294	-.00415	-.00075	.00360	-.08413	-.24983	-.27790	264.37505	11.93298	7.91365
.600	16.597	.00294	-.00054	-.00214	.00770	-.09505	-.27683	-.31406	263.62453	11.93298	7.98397
.600	18.678	.00286	.00072	-.00258	.00051	-.09562	-.29791	-.34237	264.21234	11.96299	8.00401
	GRADIENT	.00048	-.00062	-.00013	.00021	-.00132	.00147	.00179	.03676	-.00279	.00134

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TABULATED SOURCE DATA - LA62

PAGE 526

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3057) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

BETA = .000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 AILRON = 2.000

RUN NO. 270/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-L	ELVN-R
.602	-3.510	.00229	-.00403	-.00197	.00287	-.04169	-.24309	-.26890	132.41982	11.99300	8.01402
.602	-2.007	.00251	-.00545	-.00176	.00337	-.04608	-.24068	-.26465	132.77315	11.98300	8.04408
.600	-1.001	.00285	-.00631	-.00197	.00403	-.04927	-.23914	-.26149	132.02151	11.98300	8.03406
.602	.004	.00374	-.00939	-.00214	.00487	-.05261	-.23506	-.25733	132.60065	11.98300	8.04408
.602	1.031	.00411	-.01032	-.00234	.00609	-.05477	-.23581	-.25809	132.51939	11.97299	8.04408
.601	2.067	.00377	-.00895	-.00236	.00642	-.05759	-.23391	-.25742	132.26721	11.97299	8.03406
.602	3.082	.00389	-.00884	-.00258	.00647	-.05791	-.23166	-.25395	132.52105	11.97299	8.02404
.602	4.089	.00356	-.00750	-.00260	.00627	-.05911	-.23047	-.25041	132.52105	11.97299	8.04408
.602	5.104	.00352	-.00731	-.00260	.00600	-.06126	-.22957	-.25008	132.68857	11.99300	8.04408
.602	6.121	.00343	-.00585	-.00303	.00590	-.06363	-.22973	-.24729	132.60731	11.98300	8.05409
.600	7.148	.00310	-.00451	-.00306	.00588	-.06501	-.23065	-.24769	132.10452	11.99300	8.03406
.600	8.175	.00315	-.00421	-.00329	.00590	-.06678	-.22709	-.24181	131.76910	12.01300	8.02404
.600	9.143	.00308	-.00389	-.00329	.00615	-.06852	-.22783	-.24193	132.02479	11.99300	8.04408
.601	10.212	.00283	-.00233	-.00350	.00714	-.07172	-.22812	-.24397	132.19082	12.00300	8.03406
.600	11.212	.00241	-.00172	-.00310	.00726	-.07720	-.22917	-.24446	131.93847	12.00300	8.02404
.600	12.241	.00264	-.00332	-.00287	.00726	-.08292	-.23244	-.24887	132.10617	11.99300	8.02404
.600	13.253	.00249	-.00378	-.00247	.00875	-.08159	-.23617	-.25497	132.02315	12.00300	8.03406
.599	14.291	.00255	-.00468	-.00226	.01034	-.08376	-.24277	-.26397	131.68929	11.97299	8.03406
.599	16.293	.00324	-.00376	-.00375	.00916	-.08855	-.25591	-.28418	131.69092	11.95299	8.00401
.599	18.320	.00278	-.00183	-.00379	.00887	-.09240	-.29174	-.32758	131.69092	11.97299	8.00401
GRADIENT		.00021	-.00058	-.00011	.00054	-.00236	.00167	.00220	.00147	-.00263	.00140

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3058) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = .000 SPOBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000

RUN NO. 292/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.952	-5.983	.00586	.01690	-.00822	-.02025	.06392	-.27827	-.29521	648.22217	5.99975	-.06878
.951	-4.032	.00594	.00859	-.00510	-.01396	.05547	-.27923	-.29220	647.61593	3.98648	-.06148
.951	-1.991	.00484	.00211	-.00231	-.00821	.05185	-.27759	-.29154	647.45489	1.97321	-.05915
.951	-1.001	.00433	-.00036	-.00121	-.00495	.05093	-.27880	-.29238	647.46652	1.00163	-.05839
.951	-.520	.00392	-.00222	-.00038	-.00324	.05001	-.27979	-.29287	647.72775	.45073	-.05936
.951	-.210	.00451	-.00307	-.00024	-.00206	.04988	-.28074	-.29322	647.47813	.24039	-.06247
.951	.040	.00305	-.00264	.00005	-.00100	.04928	-.28110	-.29333	647.79305	-.04005	-.05739
.951	.270	.00337	-.00315	.00014	-.00050	.04888	-.28078	-.29301	647.68569	-.23029	-.05851
.951	.570	.00318	-.00369	.00041	.00029	.04836	-.28129	-.29292	647.60876	-.50063	-.05801
.951	1.060	.00276	-.00449	.00084	.00169	.04735	-.28230	-.29344	647.53183	-1.01126	-.05668
.951	2.020	.00212	-.00706	.00201	.00506	.05092	-.28191	-.29293	647.59714	-2.00250	-.06046
.951	4.051	.00185	-.01535	.00524	.01216	.05471	-.28649	-.29761	647.67407	-3.99499	-.06583
.951	5.961	.00188	-.02388	.00846	.01844	.06092	-.28764	-.30311	647.51298	-6.00751	-.06723
	GRADIENT	-.00056	-.00276	.00122	.00325	-.00023	-.00097	-.00059	.01319	-.98601	-.00038

ORIGINAL PAGE IS
 OF POOR QUALITY

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(AJ3059) (16 SEP 75)

PARAMETRIC DATA

ALPHA	=	3.000	SPDRBK	=	25.000
RUDDER	=	.000	BOFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3050) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 4.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 274/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.601	-5.972	.00021	.01461	-.00563	-.02083	.02306	-.22187	-.25178	462.74593	6.02054	4.20601
.601	-3.981	.00144	.00925	-.00413	-.01387	.02204	-.21958	-.24763	462.91686	4.06712	4.20533
.600	-2.001	.00413	.00267	-.00282	-.00768	.02567	-.21898	-.24520	462.41556	1.98347	4.19889
.601	-.970	.00427	-.00024	-.00178	-.00377	.02759	-.21754	-.24171	462.90530	.97170	4.19775
.600	-.460	.00392	-.00113	-.00129	-.00195	.02771	-.21625	-.23963	462.06705	.5081	4.19872
.601	-.050	.00492	-.00360	-.00079	.00008	.02743	-.21508	-.23756	463.07953	-.01001	4.19966
.601	.230	.00564	-.00560	-.00035	.00142	.02606	-.21542	-.23790	463.07953	-.23023	4.20195
.601	.480	.00636	-.00597	-.00052	.00165	.02645	-.21495	-.23743	462.99655	-.50050	4.20001
.601	1.040	.00566	-.00644	-.00003	.00355	.02494	-.21525	-.23671	463.08118	-1.04104	4.20129
.601	2.051	.00682	-.01040	.00096	.00774	.02688	-.21376	-.23422	462.99655	-2.07207	4.19653
.601	4.071	.00850	-.01678	.00264	.01543	.02588	-.21617	-.23377	462.57499	-4.07407	4.19663
.601	6.042	.01036	-.02238	.00395	.02193	.02554	-.21711	-.23249	462.74428	-5.98599	4.19607
GRADIENT		.00085	-.00325	.00086	.00368	.00033	.00063	.00195	.01063	-1.00863	-.00081

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3061) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 4.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 116/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-7.990	.00540	-.00358	-.00039	-.00035	.09278	-.22453	-.24032	625.79397	-7.99600	4.21812
.901	-5.980	.00493	-.00434	.00005	.00013	.07267	-.22629	-.24145	625.79397	-6.00450	4.24489
.900	-4.130	.00420	-.00476	.00044	.00141	.05264	-.23004	-.24394	625.49704	-4.15311	4.26759
.900	-2.050	.00425	-.00429	.00025	.00109	.03592	-.23150	-.24526	625.65242	-2.02152	4.28102
.900	.030	.00391	-.00431	.00037	.00126	.02139	-.23483	-.24770	625.48330	-.07005	4.29237
.901	2.040	.00363	-.00340	.00012	.00067	.00767	-.23622	-.24995	626.11824	1.99274	4.31044
.901	4.000	.00369	-.00377	.00024	.00022	-.00831	-.24058	-.25665	625.94934	4.00551	4.31994
.901	6.019	.00384	-.00373	.00017	-.00027	-.02399	-.24440	-.26197	626.07722	6.04832	4.33834
.900	7.949	.00445	-.00374	-.00002	.00039	-.03714	-.24755	-.26413	625.39648	8.00100	4.35357
GRADIENT		-.00008	.00014	-.00003	-.00014	-.00738	-.00128	-.00147	.06722	.99895	.00659

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3062) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 6.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 117/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-8.060	.00314	-.00178	-.00034	-.00013	.07527	-.21858	-.23549	626.00870	-7.98599	6.40541
.901	-5.950	.00161	-.00148	.00004	.00093	.05846	-.22083	-.23650	625.97681	-5.97448	6.42413
.901	-4.040	.00159	-.00165	.00011	.00163	.04592	-.22559	-.24012	626.00870	-4.06305	6.43587
.900	-2.080	.00318	-.00240	-.00013	.00115	.03372	-.22791	-.24119	625.49704	-1.95146	6.44594
.900	.060	.00309	-.00238	-.00010	.00090	.01975	-.23123	-.24411	625.70267	-.08006	6.45752
.900	1.930	.00320	-.00268	-.00002	.00049	.00399	-.23402	-.24728	625.27761	1.96270	6.47283
.901	3.990	.00272	-.00222	-.00004	.00076	-.01359	-.23673	-.25209	625.77121	3.93541	6.48736
.901	5.989	.00315	-.00232	-.00014	.00087	-.03183	-.24416	-.26586	626.03618	5.98823	6.50547
.900	8.219	.00301	-.00158	-.00038	.00188	-.05251	-.25089	-.27008	625.53359	8.20128	6.52750
GRADIENT	.00911	-.00007	-.00001	-.00001	-.00012	-.00741	-.00141	-.00150	-.03382	.99159	.00647

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3063) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 291/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-10.045	.00243	-.00189	-.00007	.00073	.08171	-.21762	-.23610	625.95850	-10.05257	7.48219
.900	-6.023	.00251	-.00174	-.00016	.00064	.05621	-.22410	-.24058	625.03978	-6.01752	7.50895
.900	-2.011	.00181	-.00161	.00002	.00009	.03048	-.22990	-.24358	625.70267	-2.01252	7.53296
.900	-.990	.00175	-.00052	-.00037	-.00039	.02261	-.23184	-.24514	625.54273	-.97121	7.53778
.901	-.450	.00179	-.00129	-.00009	-.00027	.01929	-.23242	-.24621	625.67522	-.50063	7.54126
.900	.010	.00170	-.00159	.00005	-.00011	.01612	-.23354	-.24734	625.39907	.01002	7.54448
.901	.540	.00090	-.00054	-.00009	-.00016	.01139	-.23301	-.24654	626.13657	.52085	7.54760
.900	1.120	.00155	-.00149	.00006	-.00012	.00795	-.23480	-.24858	625.37821	1.01164	7.55263
.900	2.100	.00093	-.00063	-.00007	-.00061	-.00053	-.23596	-.25111	625.64327	2.02329	7.55804
.900	6.021	.00140	-.00026	-.00036	-.00048	-.03846	-.25095	-.27531	625.54273	6.02980	7.59497
.900	10.021	.00037	.00119	-.00057	-.00078	-.07759	-.26243	-.27673	625.14959	9.98623	7.63418
GRADIENT	-.00022	.00012	.00002	.00002	-.00010	-.00744	-.00142	-.00172	-.00582	.97540	.00630

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3063) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 300/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
1.201	-10.025	.00256	.00045	-.00088	-.00040	.01678	-.36710	-.40744	730.28573	-10.00250	7.58599
1.201	-5.983	.00277	-.00024	-.00068	-.00070	-.00615	-.37061	-.37845	730.36520	-5.99750	7.61213
1.201	-1.941	.00210	.00005	-.00061	-.00076	-.02703	-.36553	-.37511	730.30924	-1.97247	7.62762
1.200	-1.011	.00200	.00000	-.00056	-.00098	-.03264	-.36692	-.37960	730.13106	-.98123	7.62978
1.201	-.490	.00190	-.00024	-.00044	-.00072	-.03542	-.36724	-.38099	730.28796	-.55069	7.63423
1.200	-.010	.00202	-.00045	-.00039	-.00052	-.03814	-.36931	-.38338	730.06516	.00000	7.63993
1.200	.450	.00203	-.00047	-.00039	-.00039	-.04164	-.37232	-.38605	730.20276	.48078	7.63986
1.200	.960	.00145	-.00026	-.00031	-.00036	-.04528	-.37648	-.38955	730.14462	1.01164	7.64190
1.200	2.030	.00144	-.00038	-.00026	-.00049	-.05205	-.38322	-.39262	730.29575	2.00326	7.64911
1.200	5.991	.00109	-.00005	-.00028	-.00039	-.08221	-.38405	-.38743	730.13106	5.99975	7.67074
1.200	10.031	.00054	.00012	-.00019	-.00109	-.11597	-.38319	-.39141	730.00895	10.02629	7.68966
1.200	GRADIENT	-.00018	-.00012	.00009	.00013	-.00634	-.00460	-.00457	-.00405	1.00679	.00559

TABULATED SOURCE DATA - LA62

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3064) (16 SEP 75)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.  XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES  YMRP = .0000 IN. YO
BREF = 936.6800 INCHES  ZMRP = 375.0000 IN. ZO
SCALE = .0150

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PARAMETRIC DATA

ALPHA	=	7.500	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

RUN NO. 289/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3065) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVEN = .000 BETA = .000

RUN NO. 290/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.900	-6.003	.00011	.01997	-.00760	-.01431	.00730	-.23975	-.25439	625.25935	6.02980	7.55779
.901	-3.972	.00114	.01284	-.00523	-.00946	.01043	-.23450	-.24902	626.16840	3.97646	7.55274
.900	-1.931	.00207	.00548	-.00275	-.00479	.01400	-.23334	-.24776	625.57473	1.95317	7.54732
.900	-.970	.00167	.00250	-.00149	-.00258	.01564	-.23358	-.24762	625.27761	1.03168	7.54342
.900	-.450	.00142	.00105	-.00086	-.00146	.01581	-.23360	-.24715	625.20904	.51083	7.54153
.900	-.040	.00130	-.00087	-.00009	-.00010	.01628	-.23323	-.24690	625.52446	.02003	7.54363
.901	.230	.00164	-.00212	.00027	.00024	.01617	-.23174	-.24528	625.83974	-.22028	7.54527
.901	.570	.00174	-.00365	.00082	.00098	.01472	-.23193	-.24521	625.99954	-.47059	7.54446
.901	1.000	.00129	-.00444	.00126	.00189	.01466	-.23335	-.24662	626.23690	-1.03129	7.54999
.900	2.030	.00011	-.00710	.00265	.00428	.01685	-.23343	-.24723	625.32792	-2.03254	7.54079
.899	4.051	.00095	-.01442	.00515	.00948	.01382	-.23667	-.25284	624.74719	-4.02503	7.54871
.901	6.051	.00161	-.02012	.00710	.01476	.00842	-.24067	-.26204	626.13657	-6.03755	7.55145
GRADIENT		-.00011	-.00338	.00132	.00234	.00042	-.00018	-.00028	-.11284	-1.00073	-.00050

RUN NO. 296/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
1.200	-5.963	.00052	.00461	-.00189	-.01382	-.04422	-.38550	-.38802	730.24537	6.04983	7.64927
1.200	-3.932	.00141	.00208	-.00118	-.00931	-.04213	-.38316	-.38719	730.14462	4.01653	7.65100
1.200	-1.941	.00237	.00032	-.00078	-.00511	-.03929	-.37872	-.39071	730.12331	2.01327	7.64627
1.200	-.950	.00224	.00001	-.00063	-.00283	-.03801	-.37553	-.38699	730.04386	.99161	7.64831
1.200	-.490	.00175	-.00014	-.00044	-.00174	-.03791	-.37344	-.38598	730.24537	.46075	7.64895
1.200	-.210	.00200	-.00023	-.00047	-.00093	-.03813	-.37092	-.38509	730.08067	.23037	7.64714
1.200	.000	.00197	-.00052	-.00035	-.00032	-.03808	-.36974	-.38369	730.08067	-.05006	7.64711
1.200	.250	.00170	-.00052	-.00028	.00031	-.03904	-.37011	-.38203	730.08840	-.25031	7.64900
1.200	.500	.00259	-.00099	-.00035	.00062	-.03890	-.36985	-.38005	730.27445	-.47059	7.64610
1.200	1.000	.00213	-.00086	-.00027	.00174	-.03954	-.37046	-.37583	730.09424	-1.02128	7.64801
1.200	1.900	.00251	-.00156	-.00011	.00385	-.03885	-.37086	-.37183	730.12331	-1.98248	7.64673
1.200	3.980	.00309	-.00315	.00033	.00875	-.04218	-.36960	-.37465	730.09424	-4.00501	7.64847
1.200	6.021	.00407	-.00545	.00093	.01275	-.04359	-.36336	-.36876	730.30353	-6.02753	7.64540
GRADIENT		.00017	-.00062	.00019	.00230	-.00004	.00184	.00244	-.00334	-1.01859	-.00025

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3066) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 5.000 BETA = .000

RUN NO. 122/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.900	-3.030	-.00619	.01734	-.00455	-.02511	-.03650	-.25266	-.27785	625.50618	13.08800	7.59552
.901	-1.070	-.00433	.01402	-.00390	-.02028	-.03154	-.24846	-.26852	625.96765	11.07523	7.59280
.900	.970	-.00288	.00975	-.00276	-.01405	-.02810	-.24818	-.26087	625.71182	9.02241	7.58427
.900	3.120	-.00226	.00764	-.00216	-.00825	-.02447	-.24602	-.25809	625.78036	7.06972	7.58390
.900	5.129	.00009	.00019	-.00010	-.00114	-.02300	-.24383	-.26343	625.27761	5.06697	7.57716
.901	7.089	.00092	-.00450	.00140	.00618	-.02462	-.24618	-.26800	626.01786	3.01414	7.57798
.901	9.079	.00382	-.00970	.00243	.01229	-.02568	-.24689	-.26333	625.80313	1.04143	7.58034
.901	10.999	.00611	-.01425	.00341	.01906	-.03006	-.24942	-.25884	626.53225	-1.00075	7.58474
.901	12.998	.00772	-.01761	.00416	.02522	-.03490	-.25445	-.26285	626.05889	-2.95221	7.59719
.901	15.038	.00961	-.02156	.00504	.02952	-.03507	-.25681	-.26420	625.82144	-4.99375	7.59263
GRADIENT		.00064	-.00162	.00041	.00277	.00193	.00098	.00325	.02683	-.98077	-.00211

RUN NO. 295/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
1.200	-.990	-.00750	.00145	.00154	-.01665	-.07844	-.38374	-.38573	730.08067	11.01790	7.67642
1.200	1.000	-.00524	.00114	.00103	-.01144	-.07761	-.38546	-.39099	730.08067	9.01465	7.67533
1.200	2.990	-.00156	.00050	.00025	-.00609	-.07345	-.38921	-.39386	730.05934	6.98134	7.67495
1.200	4.011	.00057	-.00012	-.00011	-.00261	-.07530	-.38760	-.39258	730.13106	6.01978	7.67349
1.200	4.481	.00118	-.00028	-.00022	-.00166	-.07447	-.38542	-.38386	730.14462	5.50895	7.67124
1.200	4.751	.00093	-.00009	-.00022	-.00105	-.07452	-.38461	-.37920	730.15238	5.26856	7.67485
1.200	5.531	.00328	-.00107	-.00051	.00138	-.07545	-.37972	-.37541	730.09424	4.53737	7.67364
1.200	6.021	.00385	-.00120	-.00062	.00233	-.07436	-.37747	-.37692	730.25314	3.98648	7.67449
1.200	7.041	.00438	-.00038	-.00108	.00453	-.07381	-.37606	-.37980	730.19690	3.00488	7.67300
1.200	9.011	.00820	-.00116	-.00185	.00969	-.07474	-.37101	-.38196	730.05934	1.01164	7.67118
1.200	10.961	.01156	-.00190	-.00250	.01438	-.07820	-.36695	-.37631	730.03028	-1.02128	7.67327
GRADIENT		.00159	-.00031	-.00033	.00276	.00075	-.00033	.00056	.01245	-1.00288	-.00058

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3067) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 7.500 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 297/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
1.200	4.971	-.01265	-.00075	.00381	-.01429	-.11718	-.39264	-.39481	730.30353	14.95430	7.70233
1.200	5.961	-.00912	-.00150	.00311	-.01183	-.11707	-.39107	-.39528	730.15238	14.04282	7.70248
1.200	8.071	-.00486	-.00016	.00142	-.00618	-.11694	-.38859	-.39678	730.15238	11.97947	7.70216
1.200	9.061	-.00145	-.00071	.00067	-.00388	-.11642	-.38700	-.39627	730.17369	11.03794	7.70144
1.200	9.461	-.00083	.00024	.00014	-.00246	-.11600	-.38450	-.39389	730.15238	10.53712	7.70278
1.200	9.761	-.00004	-.00005	.00003	-.00182	-.11569	-.38381	-.39288	730.23183	10.23663	7.70041
1.200	10.231	.00197	-.00026	-.00045	-.00039	-.11650	-.38247	-.39122	730.10199	9.68574	7.70158
1.200	10.541	.00207	.00017	-.00064	.00040	-.11723	-.38250	-.39072	730.07293	9.54551	7.70368
1.200	10.961	.00322	.00052	-.00110	.00135	-.11691	-.38265	-.39087	730.13106	8.97458	7.70197
1.200	12.012	.00578	.00052	-.00181	.00433	-.11359	-.38461	-.39111	730.03028	7.98297	7.69842
1.200	14.012	.01207	.00063	-.00360	.01063	-.11647	-.38800	-.39340	730.16012	6.01978	7.70147
1.200	14.872	.01291	.00071	-.00387	.01202	-.11306	-.38842	-.39501	730.08840	5.02817	7.69900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3068) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 8.500 SPDBRK = 25.000
 RUDDER = .000 BOFLAP = .000
 ATLON = .000 BETA = .000

RUN NO. 118/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-8.060	.00099	.00082	-.00063	-.00001	.07054	-.22112	-.24017	626.20508	-8.02602	8.57790
.901	-6.040	.00166	-.00067	-.00028	.00033	.05646	-.22399	-.24053	625.90828	-5.98449	8.59152
.901	-4.130	.00025	.00003	-.00009	.00043	.04329	-.22882	-.24309	625.75291	-4.05304	8.59440
.901	-2.160	.00093	.00020	-.00038	-.00026	.03187	-.22975	-.24351	625.96765	-2.25169	8.60324
.901	.120	.00041	.00058	-.00035	-.00069	.01621	-.23434	-.24821	625.77121	.03004	8.61624
.901	1.900	.00011	.00149	-.00060	-.00143	.00120	-.23970	-.25442	625.88081	2.03280	8.62924
.900	3.990	.00054	.00103	-.00056	-.00120	-.01633	-.24384	-.26105	625.57473	4.02554	8.64589
.900	5.849	.00099	.00113	-.00075	-.00098	-.03767	-.25280	-.27995	625.56558	6.01828	8.66598
.900	7.999	.00080	.00144	-.00081	-.00007	-.05712	-.26289	-.27703	625.09013	8.05107	8.68261
	GRADIENT	-.00001	.00016	-.00006	-.00022	-.00738	-.00197	-.00230	-.02229	1.00647	.00634

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 536

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3069) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 BETA = .000

RUN NO. 285/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.799	-15.998	.00247	.01749	-.00750	-.00892	.08311	-.20829	-.23133	575.99049	-3.94493	10.63675
.799	-14.037	.00190	.01120	-.00492	-.00515	.08651	-.20593	-.22723	575.69692	-6.00751	10.63181
.799	-12.016	.00211	.00557	-.00286	-.00201	.09002	-.20464	-.22443	575.90459	-8.00000	10.62695
.800	-11.006	.00146	.00335	-.00179	-.00032	.09119	-.20414	-.22378	576.59443	-9.01126	10.62885
.799	-10.445	.00145	.00181	-.00120	.00023	.09137	-.20350	-.22302	576.04510	-9.50188	10.62420
.799	-10.245	.00045	.00174	-.00082	.00073	.09124	-.20500	-.22464	576.46026	-9.74218	10.62695
.800	-9.995	.00075	.00068	-.00052	.00113	.09150	-.20405	-.22327	576.87526	-9.98248	10.63133
.799	-9.745	.00036	.00027	-.00023	.00141	.09102	-.20395	-.22360	576.33234	-10.24280	10.62605
.799	-9.515	.00110	-.00135	.00012	.00194	.09031	-.20572	-.22456	575.91710	-10.51314	10.62611
.799	-8.994	.00061	-.00217	.00061	.00231	.08959	-.20533	-.22442	576.31354	-11.01377	10.62865
.799	-7.994	-.00010	-.00382	.00148	.00345	.08981	-.20621	-.22546	575.69692	-12.06508	10.62462
.800	-5.943	.00009	-.01008	.00379	.00700	.08561	-.20759	-.22408	576.89410	-14.00751	10.63739
.799	-3.982	-.00007	-.01577	.00500	.01035	.08244	-.21007	-.22765	576.39944	-16.10013	10.64000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3070) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 293/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.950	-5.953	.00389	.00816	-.00433	-.01623	-.02390	-.28201	-.31361	647.00613	5.99975	10.87795
.951	-3.952	.00375	.00527	-.00318	-.01055	-.02187	-.28951	-.31186	647.69731	3.97646	10.87298
.951	-2.041	.00342	.00233	-.00197	-.00544	-.01787	-.28733	-.30897	647.40120	1.97321	10.86743
.951	-.970	.00289	.00209	-.00171	-.00265	-.01663	-.28785	-.30840	647.60876	1.00163	10.86562
.951	.270	.00191	.00142	-.00114	.00061	-.01767	-.29004	-.30864	647.60876	-.24030	10.86399
.951	.540	.00295	.00099	-.00131	.00130	-.01835	-.29074	-.30921	647.67407	-.49061	10.86647
.951	.990	.00083	.00176	-.00093	.00225	-.01929	-.29147	-.30897	647.67407	-1.02128	10.86522
.951	2.030	.00221	.00023	-.00079	.00496	-.01812	-.29149	-.30719	647.60876	-1.99249	10.86584
.951	4.031	.00132	-.00123	.00005	.01114	-.02202	-.29381	-.30864	647.86998	-4.03504	10.87152
.951	5.941	.00228	-.00473	.00107	.01631	-.02500	-.28950	-.30616	647.73938	-5.99750	10.87588
GRADIENT	-.00033	-.00073	.00038	.00038	.00267	-.00008	-.00070	.00037	.02825	-.99842	-.00025

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3071) (16 SEP 75)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.   XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES   YMRP = .0000 IN. YO
BREF = 936.6800 INCHES   ZMRP = 375.0000 IN. ZO
SCALE = .0150

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PARAMETRIC DATA

ALPHA	=	11.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	10.000	BETA	=	.000

RUN NO. 282/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

RUN NO. 286/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC BFT TPT 717(LA-62) 140C ORBITER

(AJ3072) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 281/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.700	-10.035	.00148	-.00025	-.00049	.00163	.10164	-.19633	-.21753	522.60069	-10.00250	10.52566
.700	-5.973	.00052	.00132	-.00070	.00086	.06751	-.20235	-.21918	522.61365	-6.01752	10.58101
.701	-1.971	.00042	.00212	-.00097	-.00040	.03516	-.21025	-.22672	523.46982	-1.99249	10.62540
.700	-.940	-.00057	.00384	-.00123	-.00112	.02508	-.21221	-.22944	522.78320	-1.03129	10.63535
.700	-.450	.00012	.00237	-.00095	-.00055	.02031	-.21371	-.23079	522.46998	-.51064	10.63959
.700	.040	.00065	.00193	-.00099	-.00059	.01644	-.21519	-.23225	522.85015	.08013	10.64920
.700	.540	.00097	.00129	-.00087	-.00043	.01199	-.21608	-.23375	522.53696	.51083	10.64935
.700	1.050	.00105	.00147	-.00097	-.00043	.00700	-.21715	-.23465	523.16002	.99161	10.65801
.701	1.980	.00075	.00289	-.00139	-.00150	-.00089	-.21844	-.23682	523.31656	1.98322	10.66981
.699	5.991	.00097	.00106	-.00078	.00019	-.03771	-.22683	-.24537	522.06707	6.04983	10.71955
.699	10.021	.00059	.00085	-.00056	.00060	-.07654	-.23455	-.25533	521.67056	10.04633	10.76318
GRADIENT		.00026	-.00013	-.00005	-.00014	-.00909	-.00217	-.00259	.00679	1.00916	.01119

RUN NO. 287/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.800	-20.060	-.00021	.00220	-.00076	.00099	.12858	-.21104	-.23401	577.54780	-20.09512	10.57367
.799	-15.968	.00047	.00159	-.00077	.00080	.11459	-.20407	-.22601	576.78507	-15.95995	10.60013
.800	-12.066	.00108	.00092	-.00073	.00057	.09951	-.20264	-.22280	577.41374	-11.98498	10.61961
.799	-10.985	.00013	.00168	-.00068	.00082	.09491	-.20428	-.22446	576.57752	-10.95369	10.62166
.800	-10.425	.00041	.00128	-.00063	.00084	.09346	-.20422	-.22385	576.76624	-10.44305	10.62454
.799	-10.025	.00077	.00040	-.00043	.00110	.09188	-.20437	-.22414	576.71171	-10.05257	10.63242
.800	-9.435	.00059	.00030	-.00032	.00131	.08841	-.20542	-.22460	577.68814	-9.53191	10.63357
.798	-8.974	.00035	.00077	-.00042	.00139	.08543	-.20616	-.22473	575.82032	-9.01126	10.63562
.800	-7.984	.00076	.00074	-.00055	.00093	.08047	-.20640	-.22370	577.18746	-8.05006	10.64452
.800	-3.912	.00067	.00041	-.00040	.00078	.05046	-.21450	-.22932	577.39487	-4.00501	10.68146
.800	.060	.00018	.00164	-.00069	-.00054	.01885	-.22273	-.23821	576.83959	.04007	10.71561
GRADIENT		-.00012	.00031	-.00007	-.00033	-.00796	-.00207	-.00224	-.13980	1.01840	.00860

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3072) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 11.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 119/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-7.980	-.00011	.00240	-.00087	-.00063	.06531	-.22825	-.24390	625.93102	-7.98599	10.74809
.900	-5.970	-.00085	.00204	-.00049	-.00041	.05298	-.23226	-.24703	625.27761	-5.94446	10.75000
.900	-4.000	-.00010	.00023	-.00005	-.00020	.03927	-.23575	-.25024	625.70267	-4.07305	10.75999
.901	-2.060	-.00030	.00165	-.00053	-.00082	.02666	-.24058	-.25530	625.87166	-2.12159	10.76755
.900	.050	-.00064	.00200	-.00055	-.00133	.01153	-.24401	-.25973	625.45590	.02003	10.77922
.901	2.080	-.00170	.00333	-.00070	-.00137	-.00631	-.24992	-.26535	625.76206	2.02278	10.79908
.901	3.910	-.00109	.00305	-.00080	-.00109	-.02586	-.26072	-.27610	626.07722	4.03555	10.81951
.900	5.979	-.00112	.00322	-.00085	-.00072	-.04751	-.26976	-.28511	625.21816	6.06834	10.84577
.901	8.099	-.00028	.00237	-.00080	.00024	-.06957	-.27622	-.29103	625.94934	8.06108	10.87034
GRADIENT		-.00017	.00037	-.00008	-.00012	-.00817	-.00295	-.00308	.03083	1.01980	.00756

RUN NO. 294/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.951	-10.035	.00120	.00334	-.00164	.00001	.05634	-.25392	-.26892	647.75100	-9.99249	10.81963
.951	-6.003	.00281	.00098	-.00126	.00005	.02619	-.26633	-.27959	647.68569	-6.01752	10.83562
.951	-1.941	.00321	.00050	-.00121	-.00019	-.00195	-.28095	-.29705	647.55507	-2.00250	10.85339
.951	-1.021	.00254	.00138	-.00133	-.00055	-.01030	-.28527	-.30220	647.68569	-1.00125	10.86220
.951	-.510	.00265	.00150	-.00141	-.00041	-.01334	-.28732	-.30570	647.42443	-.53066	10.85944
.951	.030	.00186	.00193	-.00132	.00032	-.01740	-.28896	-.30806	647.55507	-.04005	10.86422
.951	.450	.00201	.00144	-.00118	-.00002	-.02131	-.29069	-.31135	647.48975	.47076	10.86213
.951	1.020	.00180	.00212	-.00139	.00020	-.02586	-.29382	-.31567	647.55507	.97158	10.87410
.951	2.040	.00309	.00056	-.00119	-.00041	-.03397	-.29813	-.32106	647.41282	1.99324	10.87578
.952	6.061	.00161	.00232	-.00139	-.00014	-.07876	-.31620	-.33467	648.03096	6.04983	10.91720
.951	10.071	.00131	.00284	-.00149	.00010	-.12164	-.31874	-.35066	647.22115	10.02623	10.96018
GRADIENT		-.00011	.00007	.00001	.00035	-.00797	-.00426	-.00614	-.03669	.99754	.00556

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

PAGE 540

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3073) (16 SEP 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 12.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 298/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
1.200	5.041	-.0152	.00417	.00278	-.01515	-.14109	-.41964	-.42127	730.21051	14.95430	12.11420
1.200	8.041	-.00647	.00176	.00116	-.00631	-.14086	-.41122	-.42254	730.10199	11.97947	12.11229
1.200	8.991	-.00461	.00196	.00056	-.00439	-.13929	-.40764	-.41875	730.20276	10.99787	12.11246
1.200	9.561	-.00300	.00183	.00015	-.00231	-.14086	-.40665	-.41927	730.18144	10.49706	12.10941
1.200	10.021	-.00199	.00197	-.00018	-.00100	-.14073	-.40552	-.41782	730.17369	9.99624	12.11195
1.200	10.521	-.00029	.00168	-.00055	.00070	-.14135	-.40188	-.41280	730.19500	9.48541	12.11267
1.200	11.051	.00087	.00180	-.00093	.00185	-.14163	-.39836	-.40876	730.09424	8.96457	12.11093
1.200	12.082	.00253	.00196	-.00146	.00449	-.13765	-.39678	-.40869	730.15238	7.99299	12.10958
1.200	15.052	.01226	-.00053	-.00326	.01404	-.13909	-.40714	-.41943	730.17369	5.04820	12.10928
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3074) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 279/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.601	-10.034	-.00095	.00217	-.00040	.00203	.10553	-.20615	-.22700	462.57993	-10.03003	12.58513
.601	-5.952	-.00236	-.00048	.00123	.00116	.06875	-.21520	-.23635	462.49034	-5.97598	12.63063
.601	-1.961	-.00254	-.00267	.00214	.00216	.03487	-.22183	-.24427	463.15589	-1.98198	12.67779
.601	-.930	-.00191	.00150	.00028	.00006	.02559	-.22365	-.24731	462.57664	-.96096	12.68974
.601	-.470	-.00306	-.00050	.00156	.00194	.02172	-.22391	-.24736	463.07787	-.50050	12.69518
.601	.000	-.00157	.00152	.00012	.00113	.01713	-.22319	-.24750	462.82892	.04007	12.70324
.601	.500	-.00161	.00268	-.00030	.00089	.01303	-.22531	-.25047	462.65634	.48084	12.71242
.601	1.030	-.00096	.00139	-.00010	.00128	.00836	-.22565	-.25062	462.99159	1.03181	12.71814
.601	1.990	-.00175	.00391	-.00070	.00025	.00022	-.22641	-.24968	463.16250	1.99349	12.73033
.601	5.961	-.00052	.00273	-.00080	.00073	-.03736	-.23326	-.25618	462.74758	6.02054	12.77311
.601	10.083	-.00067	.00241	-.00062	.00059	-.07666	-.24077	-.26973	462.99820	10.05760	12.81994
GRADIENT	.00032	.00142	-.00068	-.00031	-.00078	-.00115	-.00152	.02028	1.00831	.01373	

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3074) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 120/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.900	-7.950	-.00110	.00149	-.00020	.00010	.05759	-.23735	-.25484	625.78036	-8.01601	12.88769
.901	-6.020	-.00064	.00042	.00005	-.00012	.04446	-.24492	-.26313	625.69352	-5.97448	12.89634
.900	-4.120	-.00162	.00099	.00016	-.00006	.03072	-.25051	-.26846	625.22728	-4.03302	12.90276
.900	-2.090	-.00054	.00138	-.00034	-.00073	.01725	-.25629	-.27420	625.54729	-2.14161	12.91598
.901	.050	-.00067	.00237	-.00067	-.00122	.00065	-.26191	-.28003	625.94934	.00000	12.92904
.900	2.060	-.00176	.00360	-.00078	-.00141	-.01955	-.27288	-.28746	625.55644	2.09288	12.94907
.901	3.960	-.00127	.00329	-.00082	-.00035	-.04352	-.28677	-.30066	625.94934	4.06559	12.97190
.901	5.949	-.00086	.00329	-.00096	-.00014	-.06516	-.29068	-.30605	625.92186	5.99825	13.00084
.901	7.969	-.00134	.00470	-.00134	.00054	-.08423	-.29250	-.31868	626.17757	8.00100	13.02348
GRADIENT		-.00003	.00034	-.00012	-.00007	-.00910	-.00437	-.00381	.07181	1.00573	.00841

LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3075) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -10.000 BETA = .000

RUN NO. 278/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.601	-15.976	-.00127	.02140	-.00754	-.01631	.09570	-.20802	-.23783	462.57993	-3.99399	12.60012
.601	-14.005	-.00194	.01060	-.00315	-.01009	.09562	-.20786	-.23578	463.24217	-5.98599	12.59831
.601	-11.964	-.00117	.00711	-.00217	-.00446	.10118	-.20697	-.23169	462.99324	-8.03804	12.59200
.601	-10.994	-.00165	.00254	-.00022	-.00189	.10191	-.20727	-.23046	463.07457	-9.01902	12.58869
.601	-10.484	-.00115	.00322	-.00071	.00013	.10435	-.20675	-.22843	462.74263	-9.48949	12.58898
.601	-10.204	-.00233	.00079	.00074	.00099	.10230	-.20629	-.22780	462.99489	-9.77978	12.59030
.600	-9.774	-.00045	.00076	-.00008	.00343	.10471	-.20767	-.22717	462.24789	-10.27027	12.58696
.601	-9.544	-.00091	-.00030	.00052	.00350	.10433	-.20717	-.22717	462.57993	-10.48048	12.58650
.601	-8.993	-.00019	-.00166	.00071	.00474	.10411	-.20718	-.22615	462.91521	-11.02102	12.59088
.601	-7.983	.00000	-.00494	.00187	.00796	.10578	-.20836	-.22547	462.90861	-12.02202	12.58710
.601	-6.022	.00032	-.01084	.00396	.01479	.10416	-.21048	-.22590	462.41063	-14.01401	12.58449
.601	-3.981	.00036	-.01702	.00628	.02056	.10019	-.21192	-.22768	462.57664	-16.05606	12.58814
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3075) (02 NOV 75)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.   XMRP = 1076.7000 IN. XO
LREF = 474.8000 INCHES   YMRP = .0000 IN. YO
BREF = 936.6800 INCHES   ZMRP = 375.0000 IN. ZO
SCALE = .0150

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PARAMETRIC DATA

ALPHA	=	13.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	-10.000	BETA	=	.000

RUN NO. 301/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

RUN NO. 299/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3076) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XC
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = -5.000 BETA = .000

RUN NO. 277/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.601	-10.964	-.00368	.02335	-.00720	-.02159	.05960	-.21447	-.24274	462.57334	.96168	12.65057
.601	-9.023	-.00183	.01721	-.00570	-.01469	.05943	-.21439	-.24095	462.74428	-1.04104	12.65194
.600	-6.923	-.00217	.00715	-.00174	-.00568	.05902	-.21651	-.23987	462.23802	-2.96296	12.64793
.600	-5.942	-.00268	.00294	.00008	-.00218	.06099	-.21668	-.23920	462.23966	-4.05405	12.63892
.601	-5.472	-.00383	.00031	.00159	.00035	.05979	-.21652	-.23814	463.24713	-4.52452	12.64281
.601	-5.222	-.00357	-.00114	.00203	.00172	.05935	-.21694	-.23806	463.07457	-4.77477	12.64456
.600	-4.962	-.00313	-.00136	.00191	.00227	.05997	-.21575	-.23724	462.41227	-5.04505	12.63775
.600	-4.722	-.00315	-.00155	.00204	.00326	.05965	-.21736	-.23801	462.23966	-5.22523	12.64423
.601	-4.472	-.00157	-.00535	.00273	.00447	.05781	-.21792	-.23872	462.48704	-5.47548	12.64337
.601	-3.951	-.00214	-.00529	.00296	.00546	.05962	-.21597	-.23641	463.33176	-6.02603	12.64265
.601	-3.041	-.00217	-.00785	.00394	.00895	.06026	-.21613	-.23491	462.66128	-7.02703	12.64074
.601	-.990	-.00093	-.01402	.00573	.01564	.06087	-.21690	-.23381	462.49363	-8.99900	12.64240
.601	1.040	.00227	-.02132	.00706	.02362	.05790	-.21660	-.23283	462.73933	-11.04104	12.64499
	GRADIENT	.00077	-.00319	.00086	.00349	-.00008	.00001	.00091	.02671	-1.00511	.00049

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3077) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = .000 BETA = .000

RUN NO. 280/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.601	-5.992	-.00674	.02750	-.00740	-.02382	.01582	-.22556	-.25106	462.82727	5.97045	12.70389
.601	-3.931	-.00391	.01889	-.00541	-.01574	.01588	-.22544	-.24738	462.74263	4.07713	12.70537
.601	-1.971	-.00240	.01062	-.00295	-.00840	.01896	-.22264	-.24680	462.58158	1.95342	12.70000
.601	-.930	-.00194	.00762	-.00202	-.00403	.01859	-.22391	-.24772	462.74263	1.01177	12.70890
.601	-.440	-.00115	.00360	-.00085	-.00130	.01740	-.22446	-.24980	462.65799	.49086	12.70597
.601	-.240	-.00182	.00055	.00061	.00125	.01682	-.22403	-.24882	463.49271	.25044	12.70594
.601	.250	-.00262	-.00154	.00175	.00354	.01602	-.22416	-.24845	463.24879	-.23023	12.70166
.601	.560	-.00290	-.00331	.00255	.00553	.01451	-.22548	-.24946	462.66128	-.47047	12.70649
.601	1.050	-.00151	-.00339	.00196	.00592	.01482	-.22540	-.24886	462.83057	-1.06106	12.70126
.601	2.061	-.00028	-.00987	.00386	.01028	.01650	-.22587	-.24917	462.58158	-2.00200	12.69423
.601	7.031	.00184	-.01729	.00572	.01852	.01377	-.22807	-.24932	462.90861	-3.98398	12.69678
.601	6.042	.00373	-.02328	.00715	.02624	.01240	-.22700	-.24621	463.32513	-6.03604	12.70284
	GRADIENT	.00063	-.00472	.00151	.00443	-.00044	-.00045	-.00032	.01509	-1.00724	-.00128

DATE 12 NOV 75

TABULATED SOURCE DATA - LA62

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LARC 8FT TPT /17(LA-62) 140C ORBITER

(AJ3078) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 5.000 BETA = .000

RUN NO. 275/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.600	-1.010	-.01069	.02503	-.00470	-.02431	-.02846	-.23539	-.27595	462.24131	11.05935	12.76204
.601	1.020	-.00679	.01700	-.00341	-.01579	-.03060	-.23375	-.27353	463.41307	9.06587	12.76749
.600	3.081	-.00350	.00916	-.00190	-.00665	-.02944	-.23307	-.26519	461.82782	6.95217	12.76229
.601	4.061	-.00236	.00679	-.00152	-.00332	-.02834	-.23249	-.25946	462.91026	6.05059	12.76535
.601	4.511	-.00064	.00422	-.00131	-.00164	-.02721	-.23326	-.25790	462.40569	5.45955	12.76320
.601	4.721	-.00132	.00473	-.00120	-.00128	-.02727	-.23253	-.25613	462.83057	5.26922	12.75963
.601	5.271	.00070	.00113	-.00074	.00219	-.02827	-.23283	-.25289	462.57499	4.73829	12.76021
.601	5.541	.00061	.00140	-.00020	.00264	-.02837	-.23211	-.25200	462.66458	4.55798	12.75921
.601	6.072	.00060	.00012	-.00031	.00421	-.02804	-.23309	-.25180	462.41063	4.07713	12.75737
.601	7.062	.00236	-.00330	.00020	.00822	-.02618	-.23176	-.24842	462.99489	2.95517	12.76184
.600	9.012	.00415	-.01694	.00456	.01967	-.02876	-.23501	-.25185	462.32597	.94165	12.74925
.601	11.063	.00816	-.02536	.00596	.02724	-.03315	-.23593	-.25359	462.82892	-1.02102	12.75172
GRADIENT	.00168	-.00361	.00062	.00408	.00031	.00044	.00359	.00794	-1.00938	-.00029	

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(AJ3079) (02 NOV 75)

PARAMETRIC DATA

ALPHA	=	13.000	SPOBRK	=	25.000
RUDDER	=	.000	BOFLAP	=	.000
ELEVON	=	5.000	SETA	=	.000

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.600	-4.950	-.01265	.03029	-.00581	-.03404	-.03208	-.22573	-.24944	461.89772	15.04068	12.79652
.601	-2.940	-.00957	.02310	-.00447	-.02652	-.03256	-.22020	-.24712	462.40074	13.21817	12.79595
.600	-.950	-.00635	.01502	-.00285	-.01884	-.02747	-.21475	-.24562	462.06705	10.95506	12.78420
.600	.000	.00269	-.00130	-.00071	.00108	.01492	-.20058	-.23406	461.81633	-.04003	12.73296
.600	1.060	-.00271	.00849	-.00200	-.01112	-.02756	-.21210	-.24592	461.23501	8.98235	12.78072
.600	3.060	.00027	.00290	-.00122	-.00383	-.02967	-.21126	-.24878	461.57050	7.08975	12.78317
.600	4.039	.00125	.00041	-.00072	-.00041	-.02870	-.21121	-.25011	461.31644	5.91814	12.78125
.600	4.979	.00212	-.00098	-.00058	.00255	-.02792	-.21121	-.25111	461.64862	5.00688	12.77903
.600	5.499	.00161	-.01038	.00321	.00987	-.02978	-.20821	-.24688	462.23637	4.47615	12.79605
.600	6.009	.00336	-.00475	.00029	.00668	-.02798	-.21080	-.21913	462.15171	3.93541	12.78170
.600	7.049	.00367	-.01533	.00416	.01499	-.02952	-.20687	-.24425	461.48581	2.97409	12.79525
.600	9.009	.00628	-.02061	.00499	.02156	-.03002	-.20739	-.24135	461.81305	1.09150	12.79839
.599	11.109	.01088	-.02823	.00581	.03013	-.03419	-.21077	-.24140	460.81640	-1.04078	12.79857
.600	13.058	.01324	-.03318	.00663	.03687	-.03608	-.21415	-.24098	461.56722	-3.04228	12.79589
	GRADIENT	.00149	-.00311	.00051	.00361	.00010	.00132	-.00034	-.07526	-.95069	-.00130

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TABULATED SOURCE DATA - LA62

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LARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3080) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 13.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 ELEVON = 10.000 BETA = .000

RUN NO. 276/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.600	5.061	-.01172	.01816	-.00163	-.01752	-.07853	-.24757	-.28198	462.07527	15.00626	12.81880
.601	6.042	-.01087	.01678	-.00149	-.01408	-.07813	-.24541	-.28149	462.57828	13.99449	12.82001
.600	8.012	-.00455	.00812	-.00104	-.00762	-.07690	-.24402	-.27996	462.32761	12.03105	12.81557
.601	9.052	-.00345	.00612	-.00078	-.00371	-.07751	-.24200	-.27468	462.91356	11.05935	12.81788
.600	9.512	-.00285	.00541	-.00077	-.00166	-.07514	-.24215	-.27166	462.32432	10.48835	12.81654
.600	9.752	-.00141	.00366	-.00075	-.00082	-.07514	-.24231	-.27185	461.73822	10.26797	12.81437
.601	10.023	-.00123	.00326	-.00069	-.00083	-.07638	-.24160	-.27059	462.40898	9.98749	12.81646
.601	10.233	-.00098	.00263	-.00056	.00126	-.07676	-.23971	-.26819	462.75088	9.73704	12.81888
.600	10.503	.00018	.00090	-.00042	.00227	-.07710	-.24045	-.26844	462.33255	9.52667	12.81830
.601	10.993	.00072	.00008	-.00035	.00411	-.07692	-.24098	-.26775	462.91026	9.03581	12.82029
.601	11.993	.00365	-.00427	-.00001	.00764	-.07331	-.24039	-.26464	462.74428	7.98397	12.81199
.600	14.004	.00680	-.01070	.00101	.01607	-.07383	-.24334	-.26709	462.32597	5.97045	12.81635
.601	14.954	.01001	-.01639	.00173	.02132	-.07668	-.24605	-.26993	462.65469	5.04884	12.81423
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 8FT TPT 717(LA-62) 140C ORBITER

(AJ3081) (02 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.7000 IN. XO
 LREF = 474.8000 INCHES YMRP = .0000 IN. YO
 BREF = 936.6800 INCHES ZMRP = 375.0000 IN. ZO
 SCALE = .0150

PARAMETRIC DATA

ALPHA = 15.000 SPDBRK = 25.000
 RUDDER = .000 BDFLAP = .000
 AILRON = .000 BETA = .000

RUN NO. 121/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELVN-L	BETA	CY	CYN	CBL	CLM	CP1	CP2	Q(PSF)	ELVN-R	ALPHA
.901	-7.950	.00115	.00303	-.00153	.00072	.05204	-.25462	-.27840	625.95850	-7.93595	15.05750
.901	-5.990	.00054	.00268	-.00119	.00080	.03750	-.26291	-.28490	626.24608	-5.95447	15.06537
.900	-4.240	.00101	.00171	-.00099	.00114	.07501	-.26865	-.29078	625.14959	-4.28321	15.07167
.900	-2.000	.00143	.00184	-.00118	.00025	.00843	-.27389	-.29498	625.25935	-1.93145	15.08907
.901	.000	.00035	.00321	-.00133	-.00062	-.00864	-.28223	-.30326	626.00870	-.02002	15.10817
.900	2.090	-.00021	.00349	-.00125	-.00075	-.03264	-.29445	-.30943	625.66156	2.12292	15.13138
.900	4.079	-.00014	.00343	-.00125	.00020	-.05776	-.30740	-.32109	625.37821	4.14570	15.15159
.900	6.039	.00020	.00242	-.00098	.00039	-.07978	-.31245	-.33312	625.58387	6.02829	15.17936
.901	7.919	-.00010	.00284	-.00104	.00076	-.09913	-.31815	-.34640	625.99954	8.06108	15.19900
	GRADIENT	-.00019	.00025	-.00003	-.00014	-.00995	-.00472	-.00361	.04205	1.00904	.00974

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PARAMETRIC DATA

ALPHA	=	16.000	SPDBRK	=	25.000
RUDDER	=	.000	BDFLAP	=	.000
ELEVON	=	10.000	BETA	=	.000

[illegible]