

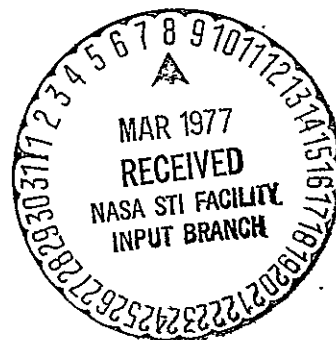


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(NASA-CR-151039) RESULTS OF INVESTIGATIONS CONDUCTED IN THE IARC 4-FOOT UNITARY PLAN WIND TUNNEL IFG NO. 1 USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE (IA94A) (Chrysler Corp.) 520 p	N77-17136 Hc A22 MF R01 Unclas 16293
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services



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RESULTS OF INVESTIGATIONS CONDUCTED IN THE
LaRC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 1
USING THE 0.010-SCALE 72-OTS MODEL OF THE
SPACE SHUTTLE INTEGRATED VEHICLE (IA94A)

by

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Prepared under NASA Contract Number NAS9-13247

by

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for

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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LARC UPWT 1152
NASA Series Number: IA94A
Model Number: 72-OTS
Test Dates: April 19 through April 23, 1976
Occupancy Hours: 55

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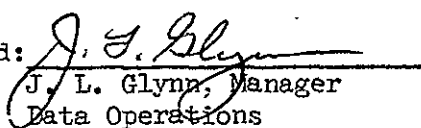
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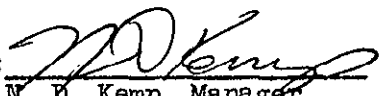
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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

RESULTS OF INVESTIGATIONS CONDUCTED IN THE
LaRC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 1
USING THE 0.010-SCALE 72-OTS MODEL OF THE
SPACE SHUTTLE INTEGRATED VEHICLE (IA94A)

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ABSTRACT

This report documents the test procedures, history, and data from wind tunnel test IA94A, carried out at the NASA/Langley Research Center 4-Foot Unitary Plan Wind Tunnel, Section #1, April 19 to April 23, 1976.

Test IA94A involved aero-loads investigations on the Updated Configuration-5 Space Shuttle Launch Vehicle at Mach Numbers 1.55 and 2.00. Six-component vehicle forces and moments, base and sting-moments, wing-root bending and torsion moments, and normal shear force data were obtained. Full simulation of updated vehicle protuberances and attach hardware was employed.

This test was one of a series of three (3) programs run consecutively: IA94A (UPWT #1), IA94B (UPWT #2), and IA93 (8' TPT).

Various elevon deflection angles were tested, with two different forward orbiter-to-external-tank attach-strut configurations. The entire vehicle model 72-OTS was supported by means of a balance mounted in the orbiter through its base and suspended from an appropriate sting for the

ABSTRACT (Concluded)

specific tunnel.

The tabulated IA94A data shown in the Appendix comprises:

- (a) Raw wind tunnel data (RJKOXX, SJKOXX, TJKOXX data sets),
- (b) Interpolated Mach, alpha, and beta data (FJKOXX, IJKOXX, MJKOXX data sets), corrected for base cavity and base pressure effects,
- (c) Data from item (b) elevon interpolated (MJKAXX, MJKBXX data sets).

The plotted coefficient data presented in this report represents the elevon interpolated data (item (c)).

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SCHEDULE OF COEFFICIENTS PLOTTED:

- A) C_{N_F} , C_{A_F} , C_{m_F} , $C_{A_{B_0}}$, $C_{A_{B_S}}$, $C_{A_{B_T}}$ versus α
- B) C_Y , C_n (BODY), C_l (BODY) versus α
- C) C_{N_W} , C_{B_W} , C_{T_W} versus α
- D) $C_{H_{E_I}}$, $C_{H_{E_O}}$ versus α

NOMENCLATURE

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
A		Total vehicle axial-force, lbs.
A _{BF}	ABF	Body flap planform area, ft ²
A _{BO}	ABO	Orbiter base area, ft ²
A _{BS}	ABS	SRB base area, ft ²
A _{BT}	ABT	ET base area, ft ²
A _{CO}	ACO	Orbiter sting-cavity area, ft ²
A _U		Uncorrected total vehicle axial-force, lbs.
BM _W		Bending moment at Y _{WRC} , in-lb.
BM _{W1}		Bending moment at inboard wing-root bending gauge, in-lb.
BM _{W2}		Bending moment at outboard wing-root bending gauge, in-lb.
b _W		Wing reference span, in.
C _A	CA	Total vehicle axial-force coefficient
C _{AB}	CAB	Total vehicle base axial-force coefficient
C _{ABO}	CABO	Orbiter base axial-force coefficient
C _{ABS}	CABS	Solid rocket booster base axial-force coefficient
C _{ABT}	CABT	External tank base axial-force coefficient
C _{LU}	CLU	Uncorrected total vehicle lift coefficient

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
C_{AF}	CAF	Total vehicle forebody axial-force coefficient
C_{DU}	CDU	Uncorrected total vehicle drag coefficient
C_{AU}	CAU	Uncorrected total vehicle axial-force coefficient
C_{BW}	CBW	Wing-root bending-moment coefficient
C_{HEI}	CHEI	Inboard elevon hinge-moment coefficient
C_{HEO}	CHEO	Outboard elevon hinge-moment coefficient
C_{HET}	CHET	Total elevon hinge-moment coefficient
C_m	CLM	Total vehicle pitching-moment coefficient
C_{mB}	CLMB	Total vehicle base pitching-moment coefficient
C_{mBO}	CLMBO	Orbiter base pitching-moment coefficient
C_{mBF}	CLMBF	Orbiter body flap upper surface pitching-moment coefficient
C_{mF}	CLMF	Total vehicle forebody pitching-moment coefficient
C_{mU}	CLMU	Uncorrected total vehicle pitching-moment coefficient
$C_n(\text{BODY})$	CYN	Total vehicle yawing-moment coefficient, body axis
C_N	CN	Total vehicle normal-force coefficient
C_{NB}	CNB	Total vehicle base normal-force coefficient
C_{NBO}	CNBO	Orbiter base normal-force coefficient

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
C_{NBF}	CNBF	Orbiter body flap upper surface normal-force coefficient
C_{NF}	CNF	Total vehicle forebody normal-force coefficient
C_{NU}	CNU	Uncorrected total vehicle normal-force coefficient
C_{NW}	CNW	Normal-force coefficient for wing panel
CP_{Bi}	CPBi	Base pressure coefficient at Station i ($i = 1$ to 8)
L/D_U	L/DU	Uncorrected total vehicle lift to drag ratio
CP_{BF}	CPBF	Body flap surface-pressure coefficient
CP_{BO}	CPBO	Orbiter base-pressure coefficient
l_{BF}	LBF	Longitudinal body flap transfer distance, in.
CP_{BS}	CPBS	SRB base-pressure coefficient
CP_{BT}	CPBT	ET base-pressure coefficient
A_{BOMS}	ABOMS	OMS pod base area, ft^2
CP_{Cj}	CPCj	Sting-cavity pressure coefficient at Station j
CP_{CO}	CPCO	Orbiter sting-cavity pressure coefficient
C_{TW}	CTW	Wing-root torsion-moment coefficient
C_Y	CY	Total vehicle side-force coefficient
$C_l(BODY)$	CBL	Total vehicle rolling-moment coefficient, body axis

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
\bar{c}_W	LREF	Mean wing reference chord, in.
\bar{c}_E	CE	Mean elevon reference chord, in.
D_1		Lateral distance from electrical center of inboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC} , in.
D_2		Lateral distance from electrical center of outboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC} , in.
ET		External tank
G_3		Longitudinal distance from electrical center of wing-root torsion gauge to wing-root torsion reference station, X_{WRC} , in.
h_{BZ}	HBZ	Vertical transfer distance from orbiter base area centroid to MRP, in.
HM_{EI}	HMEI	Inboard elevon hinge moment, in-lb.
HM_{EO}	HMEO	Outboard elevon hinge moment, in-lb.
i_b	IB	Orbiter base average inclination angle, deg.
i_m		Incidence angle of orbiter fuselage reference plane with respect to the ET fuselage reference plane; varies with attach structure AT ₁₃₀ , deg.
l		Total vehicle rolling-moment, in-lb.
l_B	BREF	Body reference length, in.
l_{BX}	LBX	Longitudinal transfer distance from orbiter base area centroid to MRP, in.
m		Total vehicle pitching-moment, in-lb.
m_U		Uncorrected total vehicle pitching-moment, in-lb.
M	MACH	Tunnel freestream Mach number

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
n		Total vehicle yawing-moment, in-lb.
N		Total vehicle normal-force, lb.
NU		Uncorrected total vehicle normal-force, lb.
N _W		Normal force on wing panel, lb.
P _{Bi}		Base pressure, psia.
P _{Cj}		Sting-cavity pressure, psia.
P _T	PT	Tunnel freestream total pressure, psia.
P _∞	P	Tunnel freestream static pressure, psia.
q	Q(P _{SF})	Tunnel freestream dynamic pressure, psfa..
Re/ft	RN/L	Tunnel freestream unit Reynolds number, per foot
S _E	SE	Elevon reference area, ft ²
S _W	SREF	Wing reference area, ft ²
SRB	SRB	Solid rocket booster
TM _W		Torsion moment at X _{WRC} , in-lb.
TM _{W3}		Torsion moment at wing-root torsion gauge, in-lb..
T _T	TT	Tunnel freestream total temperature, °R
T _∞	T	Tunnel freestream static temperature, °R
X _{BRC}		Balance moment reference center station, in.
X _{MRC}	XMRP	Vehicle reference center station, in.
X _O	XO	Orbiter longitudinal station, in.
X _S	XS	SRB longitudinal station, in.

NOMENCLATURE (Concluded)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
$\delta_{E_{IR}}$	ELV-RI	Right-hand inboard elevon setting, deg.
$\delta_{E_{IRU}}$		Unloaded right-hand inboard elevon setting, deg.
$\delta_{E_{OL}}$	ELV-LO	Left-hand outboard elevon setting, deg.
$\delta_{E_{OLU}}$	ELVOC	Unloaded left-hand outboard elevon setting, deg.
$\delta_{E_{OR}}$	ELV-RO	Right-hand outboard elevon setting, deg.
$\delta_{E_{ORU}}$		Unloaded right-hand outboard elevon setting, deg.
δ_R	RUDDER	Rudder setting, deg.
δ_{SB}	SPDBRK	Speedbrake setting, deg.

SUBSCRIPTS

B	base
BF	body flap
C	cavity
E	elevon
F	forebody
I	inboard
L	left
O	Orbiter, outboard
R	right
S, s	SRB
SB	speedbrake
T	external tank, total
U	uncorrected
W	wing
∞	static

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
X _T	XT	ET longitudinal station, in.
X _{WRC}		Wing-root torsion reference station, in.
Y		Total vehicle side-force, lb.
Y _{BRC}		Balance moment reference center buttplane, in.
Y _{MRC}	YMRP	Vehicle moment reference center buttplane, in.
Y _O	YO	Orbiter lateral coordinate, in.
Y _S	YS	SRB lateral coordinate, in.
Y _T	YT	ET lateral coordinate, in.
Y _{WRC}		Wing-root bending reference buttplane, in.
Z _{BRC}		Balance moment reference center waterplane, in.
Z _{MRC}	ZMRP	Vehicle moment reference center waterplane, in.
Z _O	ZO	Orbiter vertical coordinate, in.
Z _S	ZS	SRB vertical coordinate, in.
Z _T	ZT	ET vertical coordinate, in.
α	ALPHA	Model angle-of-attack, deg.
α _U		Uncorrected model angle-of-attack, deg.
β	BETA	Model angle-of-sideslip, deg.
β _U		Uncorrected model angle-of-sideslip, deg.
δ _{BF}	BDFLAP	Body flap setting, deg.
δ _{E_IL}	ELV-LI	Left-hand inboard elevon setting, deg.
δ _{E_ILU}	ELVIC	Unloaded left-hand inboard elevon setting, deg.

REMARKS

All wing-root loads data have also been corrected for small thermal gauge effects, and elevon deflection values have been corrected for deformation under load.

Comparison runs for two different Orbiter/ET forward attach-hardware configurations worked successfully, and flow angularity analyses were conducted via inverted-model runs early in the test. No instrumentation anomalies were experienced, and repeatability of all data was excellent.

CONFIGURATIONS INVESTIGATED

The 72-OTS model used in this test was a 0.010-scale replica of the updated vehicle-5 launch configuration of the space shuttle, without main propulsion system nozzle simulation. The configuration-140C wing was employed in place of the standard -140A/B wing, for instrumentation purposes. Figure 2a shows the launch vehicle configuration. Figure 2b shows the orbiter configuration.

Full protuberance simulation on the external oxygen/hydrogen tank and the two solid rocket boosters was included, based primarily upon the B revision of Interface Control Document 2-00001. Figures 2c and 2d show the ET and SRB configuration.

The forward orbiter/external tank attach-hardware was tested in two forms, designated AT₁₂₉ and AT₁₃₀. AT₁₃₀ was a close simulation of the actual vehicle-5 fixtures, whereas AT₁₂₉ was a heavy-duty assembly used for high loads requirements in test IA141, conducted in the Rockwell International 7-foot Trisonic Wind Tunnel during March, 1976.

Elevons were the only control surfaces deflected during the test. Rudder, speedbrake, and body flap were maintained at 0° settings. Control surface deflection sign convention is defined in Figure 1b.

The entire vehicle was suspended from a balance/sting assembly fitted into the orbiter fuselage through its base region, at all test conditions and configurations.

The model was tested with and without base pressure instrumentation manifolds and tubing installed. Figure 2e shows the base pressure tap locations.

CONFIGURATIONS INVESTIGATED (Continued)

The 140A/B/C orbiter model is designated as "O" in Table II and in the data. It was constructed with the following components:

<u>Component</u>	<u>Description</u>
O	140A/B/C orbiter
B ₂₆	Orbiter fuselage
C ₉	Canopy
E ₅₂	Elevons
F ₁₀	Body flap
M ₁₆	OMS pods
N ₈₉	OMS nozzles
R ₅	Rudder
V ₈	Vertical tail
W ₁₂₇	Wing

The modified vehicle-5 external tank model, designated as "T", was comprised of the following components:

<u>Component</u>	<u>Description</u>
AT ₂₈	Attach structure
AT ₃₀	Attach structure
AT ₃₁	Attach structure
AT ₁₃₁	Attach structure
FL ₁₀	LH ₂ feedline
FL ₁₁	LO ₂ feedline
FR ₁₀	Fairing
PT ₂₃	LO ₂ recirculation line

CONFIGURATIONS INVESTIGATED (Continued)

<u>Component</u>	<u>Description</u>
PT25	Aft electrical line
PT26	LO ₂ pressure line
PT29	Forward electrical conduit
PT33	LH ₂ pressure line
PT39	ET nose probe
T35	Modified Vehicle-5 external tank fuselage

The modified vehicle-5 solid rocket booster model, designated "S", consisted of the following components:

<u>Component</u>	<u>Description</u>
FR ₁₄	ET nose cable fairing
FR ₁₅	ET nose fairing for PT ₃₉
FR ₁₆	LO ₂ feedline (FL ₁₁) fairing
FR ₁₇	LO ₂ antigeyser-line (PT ₂₃) fairing
FR ₁₈	Aft electrical-conduit (PT ₂₅) fairing
FR ₁₉	LH ₂ pressure-line (PT ₃₃) fairing
N ₁₀₆	SRB nozzles
PS ₂₀	Electrical tunnel
PS ₂₃	Forward separation motors
PS ₂₆	Aft attach ring, SRB
PS ₂₇	SRM nozzle actuator struts
PS ₂₈	Aft separation motor fairing
PS ₂₉	Tiedown struts

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Component</u>	<u>Description</u>
PS ₃₀	APV exhaust outlets
PS ₃₁	Command antennae
PS ₃₂	Data capsule and camera
PS ₃₃	3 intermediate structural rings
PS ₃₄	Aft cable housing
PS ₃₅	Aft structural ring
PS ₃₆	Aft separation motors
S ₂₄	Modified vehicle-5 solid rocket booster fuselage

Also tested was:

AT ₁₂₉	Rear orbiter/external tank attach structure
AT ₁₃₀	Forward O/T attach structure.

Detailed model dimensional data are given in Table III. Figure 2 presents sketches of the model. Figure 3 presents a photograph of the model.

INSTRUMENTATION

The 72-OTS model employed during this test program was outfitted for measurement of left-hand inboard and outboard elevon hinge moments, right-hand wing-root bending and torsion moments and shear force, total-vehicle six-component forces and moments, and base and sting-cavity pressures.

Standard strain-gauge beam instrumentation was used for the elevon and wing-panel data. The LRC #840 1.435-inch balance, installed in the orbiter, was employed for total-vehicle forces and moments. Separate differential pressure transducers were used to measure the eight (8) base and sting-cavity pressures, distributed on the Orbiter, External Tank, and left-hand Solid Rocket Booster.

Figure 2e shows the base pressure tap locations.

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TEST FACILITY DESCRIPTION

The NASA LaRC 4-Foot Unitary Plan Wind Tunnel (UPWT) is a closed-circuit, continuous flow, variable density facility. The test section is 4 feet by 4 feet by 7 feet long.

Two tunnel legs are available for supersonic testing in the Mach number ranges 1.47 to 2.86 (Leg No. 1) and 2.29 to 4.63 (Leg No.2). An asymmetric, sliding block nozzle position and total pressure setting provide the test Mach numbers at a specified Reynolds number. Reynolds number can be varied from 0.76 to 7.78 million per foot. Available stagnation pressure variation is 4.0 to 142. psia. Dynamic pressure variation is 95. to 1260. psf with normal operating stagnation temperature about 150°F in Mach modes 2 or 3 and about 175° in Mach mode 4. The tunnel is equipped with a dry air supply, an evacuating system, and a cooling system. The facility power is approximately 83,000 horsepower.

Model mounting provisions consist of various sting arrangements, including axial (longitudinal), lateral (independent pitch and yaw), and roll movement with side wall support. Schlieren system and oil flow visualization equipment are available. Data are recorded at the tunnel and reduced off-line at the Langley Computer Center. The tunnel is used for force and moment, pressure, and dynamic stability tests. Hot and cold jet effects and heat transfer have been studied in the UPWT.

DATA REDUCTION

Model force and pressure data were reduced to coefficient form in both the body axis and stability-axis systems. Standard NASA/LaRC wind tunnel methods were used as required to maintain compatibility with the Chrysler Corporation/DATAMAN format. A final data-tape was submitted to DATAMAN after test completion.

Body-axis data were corrected for base, cavity, and surface-pressure effects, as follows:

$$1) \quad C_{AF} = C_{AU} - C_{ABO} - C_{ABT} - 2C_{ABS}$$

where

$$C_{ABO} = -C_{PBO} \left(\frac{A_{BO}}{S_W} \right) - C_{PCO} \left(\frac{A_{CO}}{S_W} \right)$$

$$C_{ABT} = -C_{PBT} \left(\frac{A_{BT}}{S_W} \right)$$

$$C_{ABS} = -C_{PBS} \left(\frac{A_{BS}}{S_W} \right)$$

$$2) \quad C_{NF} = C_N - C_{NBO} - C_{NBF}$$

where

$$C_{PB2} = C_{PBF}$$

$$C_{NBF} = -C_{PB2} \left(\frac{A_{BF}}{S_W} \right)$$

$$C_{NBO} = -C_{PBO} \left(\frac{A_{BO} - A_{BOMS}}{S_W} \right) \tan i_B - C_{PCO} \left(\frac{A_{CO}}{S_W} \right) \tan i_B$$

$$3) \quad C_{mF} = C_m + C_{mBO} + C_{mBF}$$

where

$$C_{mBO} = C_{NBO} \left(\frac{l_{BX}}{l_B} \right) - C_{ABO} \left(\frac{h_{BZ}}{l_B} \right)$$

$$C_{mBF} = C_{NBF} \left(\frac{l_{BF}}{l_B} \right)$$

DATA REDUCTION (Continued)

Inboard and outboard elevon panel hinge-moment coefficients were computed as follows:

$$C_{HEI} = \frac{HM_{EI}}{qS_E \bar{c}_E}$$

$$C_{HEO} = \frac{HM_{EO}}{qS_E \bar{c}_E}$$

Right-wing exposed-panel bending and torsional moments, bending and torsional moment coefficients, and normal force were computed as follows:

$$N_W = \frac{(BM_{W1} - BM_{W2})}{(D1 - D2)}$$

$$TM_W = TM_{W3} + N_W G3$$

$$BM_W = \frac{BM_{W1} + BM_{W2} - N_W (D1 + D2)}{2}$$

$$C_{N_W} = \frac{N_W}{qS_W}$$

$$C_{B_W} = \frac{BM_W}{qS_W \bar{c}_W}$$

$$C_{T_W} = \frac{TM_W}{qS_W \bar{c}_W}$$

Left-hand inboard and outboard elevon deflection angles were corrected for elevon-deflection-due-to-load as follows:

$$\delta_{EIL} = \delta_{EILU} + HM_{EI} \left(\delta_{EIL} / HM_{EI} \right)$$

$$\delta_{EOL} = \delta_{EOLU} + HM_{EO} \left(\delta_{EOL} / HM_{EO} \right)$$

DATA REDUCTION (Continued)

where:

$$\left(\frac{\delta_{E_{IL}}}{HM_{E_I}} \right) = \text{deg/in-lb calibration of the inboard elevon hinge-moment beam}$$

$$\left(\frac{\delta_{E_{OL}}}{HM_{E_O}} \right) = \text{deg/in-lb calibration of the outboard elevon hinge-moment beam}$$

Elevon deflection angles, measured with no hinge-moment acting on them, differed from nominal values as follows:

NOMINAL δ_E , deg.	ACTUAL MEASURED δ_E , DEG.			
	LEFT OUTBOARD SURFACE	LEFT INBOARD SURFACE	RIGHT INBOARD SURFACE	RIGHT OUTBOARD SURFACE
-10	-9.537	--	--	-9.604
-5	-4.720	--	--	-4.027
0	0.000	0.000	0.000	0.000
2	3.647	--	--	1.982
4	5.039	--	--	3.969
8	--	7.665	7.385	--
9	10.436	--	--	9.905
10	--	10.203	9.110	--
12	--	12.081	10.999	--
14	15.778	--	--	14.467

Positions in the above array where values are not given represent deflection angles not used in this test.

DATA REDUCTION (Continued)

The following reference dimensions and constants were used for data reduction (lengths are given in inches, areas in square feet, and angles in degrees):

<u>Symbol</u>	<u>Model Scale</u>	<u>Full Scale</u>
ABF	0.0143	142.60
ABO	0.0270	269.70
ABOMS	0.0123	122.60
ABS	0.0236	236.46
ABT	0.0605	604.80
ACO	0.0167	167.00
bW	9.367	936.680
cE	0.907	90.700
cW	4.748	474.800
D1	- .3272	--
D2	- .8185	--
G3	+1.1700	--
hBz	3.365	336.500
iB	14.750	14.750
imAT129	.083	.083
imAT130	.133	.133
lB	12.903	1290.300
lBF	13.297	1329.70
lBx	12.630	1263.00
SE	0.0210	210.00

DATA REDUCTION (Continued)

<u>Symbol</u>	<u>Model Scale</u>	<u>Full Scale</u>
S_W	0.2690	2690.00
X_{BRC}	18.177	1817.700
X_{MRC}	9.760	976.000
X_{WRC}	20.480	2048.000
Y_{BRC}	0.000	0.000
Y_{MRC}	0.000	0.000
Y_{WRC}	1.050	105.000
Z_{BRC}	7.265	726.500
Z_{MRC}	4.000	400.000
$(\delta_{E_{I_L}} / HM_{E_I})$	0.47513°/in-lb (+HM)	--
	0.20625°/in-lb (-HM)	--
$(\delta_{E_{O_L}} / HM_{E_O})$	0.36667°/in-lb (+HM)	--
	0.18333°/in-lb (-HM)	--

The wind tunnel coefficient data presented in this report have been corrected for base cavity and base pressure effects. These data have also been interpolated versus Mach number, angle-of-attack, and angle-of-sideslip.

The following coefficients were requested for additional interpolation versus elevon deflection angles (ELV-LI, ELV-LO), to the nominal values (see table II):

<u>INPUT</u>	<u>COEFFICIENTS</u>						
<u>DATA SETS</u>	CNW	CBW	CTW	CAF	CNF	CLMF	
FJKOXX							
IJKOXX	CABO	CABT	CABS	CAF	CNF	CLMF	
MJKOXX	CYN	CBL	CY	CHEI	CHEO	ELV-LI	ELV-LO

DATA REDUCTION (Concluded)

These coefficient data were combined to form the following data sets:

<u>OUTPUT</u> <u>DATA SETS</u>	<u>COEFFICIENTS</u>
MJKAXX	CNW CBW CTW CYN CBL CY CHEI ELV-LI CHEO ELV-LO
MJKBXX	CAF CNF CLMF CABO CABT CABS CHEI ELV-LI CHEO ELV-LO

Data at Mach number 2.0 and data representing data sets 1-16 could not be evenly interpolated due to limited data.

TABLE I.

TEST : IA94A				DATE : 6-7-76
TEST CONDITIONS				
MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)	
1.55	$2.00 \times 10^6/FT$	3.34	150	
2.00	$2.00 \times 10^6/FT$	3.25	150	
BALANCE UTILIZED: ILC #840				
	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:	
NF	800 LB	_____	_____	
SF	250 LB	_____	_____	
AF	125 LB	_____	_____	
PM	1600 IN-LB	_____	_____	
RM	500 IN-LB	_____	_____	
YM	500 IN-LB	_____	_____	
COMMENTS:				

TABLE II.

TEST: <u>TA94A(LARC UPNT-1152)</u>		DATA SET/RUN NUMBER COLLATION SUMMARY						DATE: <u>9/30/76</u>		
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)			
		α	β	δ_{EI}	$\delta_{E\phi}$		1.55	2.00		
JK001	$\phi TS + AT129$	A	-6	0	0	2	3	8		
02			-4			2	4	9		
03			0			2	2	7		
04			4			2	5	10		
05			6			2	6	11		
06	Y		0			2	1	12	(INVERTED)	
07	$\phi TS + AT130$		-6			2	14	19		
08			-4			2	15	20		
09			0			2	13	18		
10			4			2	16	21		
11			6		Y	2	17	22		
12			-6		-5	1		24		
13			-4			1		25		
14			0			1		23		
15			4			1		26		
Y 16	Y	Y	6	Y	Y	1		27		
CPB1, CPB2, CPB3, CPB4,5, CPB6, CPB7, CPB8, CPC ϕ , CAU, CNU, MACH, ALPHA, 10 CTN, CBL, CLMU, CHEI, CHE ϕ , Q(CSF), CY, MACH, ALPHA, 7 RN/L, L/DU, BETA, CLU, CDU, CNW, CBW, CTW, MACH, ALPHA, 8										
TYPE OF DATA		COEFFICIENT SCHEDULES						IDVAR (1)	IDVAR (2)	NDV
α OR β		A) $\alpha = -8^\circ, -6^\circ, -4^\circ, -2^\circ, 0^\circ, 2^\circ, 4^\circ$								
SCHEDULES										

TEST RUN NUMBERS

25

TABLE II. (Continued)

TEST: IA94A(LARC UPWT-1152)		DATA SET/RUN NUMBER COLLATION SUMMARY						DATE: 9/30/76						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)							
		α	β	δ_{ET}	δ_{Ed}		1.55	2.00						
(S) JK017	$\phi TS + AT130$	A	-6	10	-5	2	29	34						
18			-4			2	30	35						
19			0			2	28	33						
20			4			2	31	36						
21			6		Y	2	32	37						
22			-6		2	2	39	44						
23			-4			2	40	45						
24			0			2	38	43						
25			4			2	41	46						
26			6		Y	2	42	47						
27			-6		-10	2	49	54						
28			-4			2	50	55						
29			0			2	48	53						
30			4			2	51	56						
Y 31	Y	Y	6	Y	Y	2	52	57						

TEST RUN NUMBERS

26

TYPE OF DATA COEFFICIENT SCHEDULES IDVAR (1) IDVAR (2) NOV

α OR β _____

SCHEDULES _____

TABLE II. (Continued)

TEST: IA94A(LARC UPWT-1152)			DATA SET/RUN NUMBER COLLATION SUMMARY						DATE: 9/30/76				
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						
		α	β	δE_T	δE_d		1.55	2.00					
(R) JK032	$\phi TS + AT 130$	A	-6	12	-10	1	59						
33			-4			1	60						
34			0			1	58						
35			4			1	61						
36			6		Y	1	62						
37			-6		-5	2	64	69					
38			-4			2	65	70					
39			0			2	63	68					
40			4			2	66	71					
41			6		Y	2	67	72					
42			-6		2	1	74						
43			-4			1	75						
44			0			1	73						
45			4			1	76						
Y 46	Y	Y	6	Y	Y	1	77						

TEST RUN NUMBERS

27

TYPE OF DATA

COEFFICIENT SCHEDULES

IDVAR (1)

IDVAR (2)

NDV

α OR β

SCHEDULES

TABLE II. (Concluded)

TEST: IA44A(CORC UPWT -1152)		DATA SET/RUN NUMBER COLLATION SUMMARY						DATE: 9/30/76						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)							
		α	β	δ_{ET}	$\delta_{E\phi}$		1.55	2.00						
(R) JK047	$\phi TS + AT130$	A	-6	8	2	1	79							
48			-4			1	80							
49			0			1	78							
50			4			1	81							
51			6		Y	1	82							
52			-6		-5	1	84							
53			-4			1	85							
54			0			1	83							
55			4			1	86							
56			6		Y	1	87							
57			-6		-10	1	89							
58			-4			1	90							
59			0			1	88							
60			4			1	91							
Y 61	Y	Y	6	Y	Y	1	92							

TEST RUN NUMBERS

28

TYPE OF DATA _____ COEFFICIENT SCHEDULES _____ IDVAR (1) IDVAR (2) NDV

α OR β _____

SCHEDULES _____

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (left-hand and right-hand) (two members)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1	X _O	1317.00	13.170
	Y _O	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _O	267.50	2.675
	X _T	2058.0	20.580
	Y _T	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _T	515.50	5.155
Member #2	X _O	1317.0	13.170
	Y _O	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _O	267.50	2.675
	X _T	1872.0	18.720
	Y _T	- 125.68 (LH)	- 1.257
		125.68 (RH)	1.257
	Z _T	504.5	5.045
Diameter, In.	#1	11.5	0.115
	#2	15.5	0.155

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₀

GENERAL DESCRIPTION: Forward SRB to ET attach structure (left-hand and right-hand)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000066, Martin-Marietta 82600204300, VC78-000002

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point, in.	X _T	985.675	9.856
	Y _T	- 172.50 (LH) + 172.50 (RH)	- 1.725 + 1.725
	Z _T	00	0.0
	X _S	442.675	4.427
	Y _S	80.0	0.800
	Z _S	0.0	0.0
	X _O	244.675	2.447
	Y _O	- 184.5 + 184.5	- 1.845 + 1.845
	Z _O	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH and RH), 3 members

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, VL78-000066, VC78-000002

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1	X _T	2058.00	20.580
	Y _T	- 171.50 (LH)	- 1.715
		171.50 (RH)	1.715
	Z _T	457.00	4.570
	X _S	1511.0	15.110
	Y _S	53.24	0.532
	Z _S	57.0	0.570
Member #2	X _T	2058.0	20.580
	Y _T	- 163.85	- 1.639
	Z _T	449.81	4.498
	X _S	1511.0	15.110
	Y _S	76.56	0.766
	Z _S	15.73	0.157
Member #3	X _T	2058.00	20.580
	Y _T	- 161.72	- 1.617
	Z _T	343.0	3.430
	X _S	1511.0	15.110
	Y _S	53.24	0.532
	Z _S	- 57.00	- 0.570

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₃₀

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 members structure).

MODEL SCALE: 0.010

DRAWING NUMBER: SS-A01692

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Orbiter attach point:	X _O	388.9	3.889
	Y _O	0 (LH)	0
		0 (RH)	0
	Z _O	283.8	2.838
	X _T	1129.9	11.299
	Y _T	0 (LH)	0
	0 (RH)	0	
	Z _T	620.3	6.203
Tank attach point:	X _T	388.9	3.889
	Y _T	42.75 (LH)	.4275
		42.75 (RH)	.4275
	Z _T	227.5	2.275
	X _O	1129.9	11.299
	Y _O	42.75 (LH)	.4275
		42.75 (RH)	.4275
	Z _O	564.0	5.640

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
AT ₁₂₉	Oversize Orbiter/External Tank front attach structure per model <i>dwg.</i> SS-A01317-28. Wishbone type support located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale-In.</u></th> <th><u>Full Scale-In.</u></th> </tr> </thead> <tbody> <tr> <td>$X_O = 3.889$</td> <td>$X_O = 388.90$</td> </tr> <tr> <td>$X_T = 11.299$</td> <td>$X_T = 1129.90$</td> </tr> </tbody> </table>	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>	$X_O = 3.889$	$X_O = 388.90$	$X_T = 11.299$	$X_T = 1129.90$
<u>Model Scale-In.</u>	<u>Full Scale-In.</u>						
$X_O = 3.889$	$X_O = 388.90$						
$X_T = 11.299$	$X_T = 1129.90$						
AT ₁₃₁	Rear Orbiter/External Tank attach structure per model <i>dwg.</i> SS-A01668-3. This attach structure is a connecting link between R.H. AT ₂₈ and External Tank. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale-In.</u></th> <th><u>Full Scale-In.</u></th> </tr> </thead> <tbody> <tr> <td>$X_T = 20.580$</td> <td>$X_T = 2058.00$</td> </tr> </tbody> </table>	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>	$X_T = 20.580$	$X_T = 2058.00$		
<u>Model Scale-In.</u>	<u>Full Scale-In.</u>						
$X_T = 20.580$	$X_T = 2058.00$						

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been refaired to accept W₁₁₆.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, Release 12

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

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OML: Fwd Sta. X ₀ = 235), In.	1293.3	12.933
Length (IML: Fwd Sta. X ₀ = 238), In.	1290.3	12.903
Max Width (@ X ₀ = 1528.3), In.	264.0	2.640
Max Depth (@ X ₀ = 1464), In.	250.0	2.500
Fineness Ratio	0.264	0.264
Area - Ft ²		
Max. Cross-Sectional	340.88	0.034

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₉

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B₂₆.

MODEL SCALE: 0.0100

MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER: VI.70-000143A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	143.357	1.434
Max Width (@ $X_0 = 513.127$), In.	152.412	1.524
Max Depth (@ $X_0 = 485.0$), In.	25.000	0.250

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON, E₅₂

GENERAL DESCRIPTION: Elevon for Configuration 140C. Hingeline at $X_o = 1387$, elevon split line $X_c = 312.5$. 6.0" gaps, beveled edges, and centerbodies.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, -006089, -006092, SS-A0137

DIMENSIONS: (Data for one side)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	210.0	0.0210
Span (equivalent) - In.	349.2	3.492
Inb'd equivalent chord - In.	118.0	1.180
Outb'd equivalent chord - In.	55.19	0.552
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord	0.2096	0.2096
At outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)-ft ³	1587.25	.001587
Mean Aerodynamic Chord, In.	90.7	0.907
Hingeline dihedral (origin at $Z_o = 261.3509$), deg.	5.228986	5.228986

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F₁₀

GENERAL DESCRIPTION: Configuration 140C body flap. Hingeline located at $X_0 = 1532$, $Z_0 = 287$.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-355114

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 1525.5 - X_0 = 1613$), In.	87.50	0.875
Max Width (@ L.E., $X_0 = 1525.5$), In.	256.00	2.560
Max Depth ($X_0 = 1532$), In.	19.798	0.198
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional (@ H.L.)	35.196	0.0035
Planform	135.00	0.014
Wetted		
Base ($X_0 = 1613$), In.	4.89	0.0005

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₃₅.

MODEL SCALE: 0.030

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	20.715
	Y _T	- 70.0	- 0.700
	Z _T	573.934	5.739
Tailing edge at:	X _T	2081.8	20.818
	Y _T	- 70.0	- 0.700
	Z _T	584.059	5.841
Line diameter (17.0 I.D.)		18.160	0.182

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand side of T₃₅.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1000.667	10.007
	Y _T	70.00	0.700
	Z _T	564.340	5.643
Trailing edge at:	X _T	2071.5	20.715
	Y _T	70.00	0.700
	Z _T	573.934	5.739
Line diameter (17.0 I.D.)		18.16	0.182

Centerline of line located radially at $\phi = 203^{\circ}4'$,

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FAIRING -FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	X _T	2052.0	20.520
Length, In.		193.0	1.930
Width, In.		15.00	0.150

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>	
FR ₁₄	External Tank nose cable fairing per model dwg. SS-A01668-5 located at:	
	<u>Model Scale</u>	<u>Full Scale</u>
	X _T = 3.490→3.710, In.	X _T = 349.00→371.00, In.
	ϕ = 31°31'	ϕ = 31°31'
FR ₁₅	External Tank nose probe fairing per model dwg. SS-A01668-5 located at:	
	<u>Model Scale</u>	<u>Full Scale</u>
	X _T = 3.413→3.710, In.	X _T = 341.30→371.00, In.
FR ₁₆	External Tank LO ₂ feedline (F ₁₁) fairing per model dwg. SS-A01668-3 located at:	
	<u>Model Scale</u>	<u>Full Scale</u>
	X _T = 9.820→10.420, In.	X _T = 982.00→1042.00, In.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
FR ₁₇	External Tank LO ₂ antigeysers line (PT ₂₃) fairing per model dwg. SS-A01668-3. Located at:						
	<table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 9.860→10.460, In.</td> <td>X_T = 986.00→1046.00, In.</td> </tr> <tr> <td>φ = 33°45'</td> <td>φ = 33°45'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 9.860→10.460, In.	X _T = 986.00→1046.00, In.	φ = 33°45'	φ = 33°45'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 9.860→10.460, In.	X _T = 986.00→1046.00, In.						
φ = 33°45'	φ = 33°45'						
FR ₁₈	External Tank aft electrical conduit (PT ₂₅) fairing per model dwg. SS-A01668-3. Located at:						
	<table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 10.670→10.820, In.</td> <td>X_T = 1067.00→1082.00, In.</td> </tr> <tr> <td>φ = 37°30'</td> <td>φ = 37°30'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.670→10.820, In.	X _T = 1067.00→1082.00, In.	φ = 37°30'	φ = 37°30'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.670→10.820, In.	X _T = 1067.00→1082.00, In.						
φ = 37°30'	φ = 37°30'						
FR ₁₉	External Tank LH ₂ pressure line (PT ₃₃) fairing per model dwg. SS-A01668-9. Located at:						
	<table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 10.600→11.269, In.</td> <td>X_T = 1060.00→1126.90, In.</td> </tr> <tr> <td>φ = 30°0'</td> <td>φ = 30°0'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.600→11.269, In.	X _T = 1060.00→1126.90, In.	φ = 30°0'	φ = 30°0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.600→11.269, In.	X _T = 1060.00→1126.90, In.						
φ = 30°0'	φ = 30°0'						

TABLE III. MODEL DIMENSIONAL DATA(Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. X ₀ = 1310.5), In.	258.50	2.585
Max Width (@ X ₀ = 1511), In.	136.8	1.368
Max Depth (@ X ₀ = 1511), In.	74.70	0.747
Fineness Ratio	2.484	2.484
Area - Ft ²		
Max. Cross-Sectional	58.864	0.0059

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
N ₈₉	Orbiter OMS nozzles located on OMS pods M ₁₆ per model dwg. SS-A01317-2.								
N ₁₀₆	Solid Rocket Booster nozzle located on SRB S ₂₄ per model dwg. SS-A01667-8. Located at: <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Model Scale</u></th> <th style="text-align: left;"><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_s = 18.371→19.306, In.</td> <td>X_s = 1837.10→1930.60, In.</td> </tr> <tr> <td>Dia. = 1.479, In.</td> <td>Dia. = 147.85, In.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 18.371→19.306, In.	X _s = 1837.10→1930.60, In.	Dia. = 1.479, In.	Dia. = 147.85, In.		
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 18.371→19.306, In.	X _s = 1837.10→1930.60, In.								
Dia. = 1.479, In.	Dia. = 147.85, In.								
PS ₂₀	Solid Rocket Booster electrical conduit per model dwg. SS-A01667-12. Located at: <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Model Scale</u></th> <th style="text-align: left;"><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_s = 4.424→18.577, In.</td> <td>X_s = 442.40→1857.70, In.</td> </tr> <tr> <td>ϕ = 90° LH</td> <td>ϕ = 90° RH</td> </tr> <tr> <td>180° LH</td> <td>180° LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 4.424→18.577, In.	X _s = 442.40→1857.70, In.	ϕ = 90° LH	ϕ = 90° RH	180° LH	180° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 4.424→18.577, In.	X _s = 442.40→1857.70, In.								
ϕ = 90° LH	ϕ = 90° RH								
180° LH	180° LH								
PS ₂₃	Solid Rocket Booster forward separation motors per model dwg. SS-A01667-42. <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Model Scale</u></th> <th style="text-align: left;"><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_s = 2.854 and 2.973, In.</td> <td>X_s = 285.40 and 297.30, In.</td> </tr> <tr> <td>ϕ = 20°RH</td> <td>ϕ = 20°RH</td> </tr> <tr> <td>340°LH</td> <td>340°LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 2.854 and 2.973, In.	X _s = 285.40 and 297.30, In.	ϕ = 20°RH	ϕ = 20°RH	340°LH	340°LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 2.854 and 2.973, In.	X _s = 285.40 and 297.30, In.								
ϕ = 20°RH	ϕ = 20°RH								
340°LH	340°LH								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT : SRB Protuberance - PS₂₇

GENERAL DESCRIPTION : SRM nozzle actuator struts (2)

MODEL SCALE: 0.010

DRAWING NUMBER : ICD-2-00001, Rev. B; SS-A01667, Rev. C

DIMENSIONS : inches	FULL SCALE	MODEL SCALE
Length	<u>21.25</u>	<u>0.213</u>
Width	<u>3.0</u>	<u>0.030</u>
Height/Depth	<u>4.890</u>	<u>0.049</u>
L. E. Location	<u>1839.137</u>	<u>18.391</u>
T. E. Location	<u>1860.387</u>	<u>18.604</u>
φ, Degrees	45	45
	<u>135</u>	<u>135</u>

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₂₆	Solid Rocket Booster aft attach ring per model dwg. SS-A01667-4 located at: <table border="0"> <tr> <td><u>Model Scale</u></td> <td><u>Full Scale</u></td> </tr> <tr> <td>$X_s = 15.110, \text{ In.}$</td> <td>$X_s = 1511.00, \text{ In.}$</td> </tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 15.110, \text{ In.}$	$X_s = 1511.00, \text{ In.}$				
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 15.110, \text{ In.}$	$X_s = 1511.00, \text{ In.}$								
PS ₂₈	Solid Rocket Booster separation rocket motor fairings per model dwg. SS-A01667-38. Located on SRB skirt aft of rear structural ring at $\phi = 0 \rightarrow 36^\circ \text{ RH}$ $324^\circ \rightarrow 360^\circ \text{ LH}$.								
PS ₂₉	Solid Rocket Booster tiedown struts located on SRB skirt per model dwg. SS-A01667-30, located at: <table border="0"> <tr> <td><u>Model Scale</u></td> <td><u>Full Scale</u></td> </tr> <tr> <td>$X_s = 18.603 \rightarrow 19.306, \text{ In.}$</td> <td>$X_y = 1860.30 \rightarrow 1930.60, \text{ In.}$</td> </tr> <tr> <td>$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td> <td>$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td> </tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 18.603 \rightarrow 19.306, \text{ In.}$	$X_y = 1860.30 \rightarrow 1930.60, \text{ In.}$	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$		
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 18.603 \rightarrow 19.306, \text{ In.}$	$X_y = 1860.30 \rightarrow 1930.60, \text{ In.}$								
$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$								
PS ₃₀	Solid Rocket Booster auxiliary power unit exhaust outlets per model dwg. SS-A01667-36, located at: <table border="0"> <tr> <td><u>Model Scale</u></td> <td><u>Full Scale</u></td> </tr> <tr> <td>$X_s = 19.306, \text{ In.}$</td> <td>$X_s = 1930.60, \text{ In.}$</td> </tr> <tr> <td>$\phi = 30^\circ 30' \text{ RH}$</td> <td>$\phi = 30^\circ 30' \text{ RH}$</td> </tr> <tr> <td>$= 329^\circ 30' \text{ LH}$</td> <td>$= 329^\circ 30' \text{ LH}$</td> </tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 19.306, \text{ In.}$	$X_s = 1930.60, \text{ In.}$	$\phi = 30^\circ 30' \text{ RH}$	$\phi = 30^\circ 30' \text{ RH}$	$= 329^\circ 30' \text{ LH}$	$= 329^\circ 30' \text{ LH}$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 19.306, \text{ In.}$	$X_s = 1930.60, \text{ In.}$								
$\phi = 30^\circ 30' \text{ RH}$	$\phi = 30^\circ 30' \text{ RH}$								
$= 329^\circ 30' \text{ LH}$	$= 329^\circ 30' \text{ LH}$								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₁	Solid Rocket Booster command antenna per model dwg. SS-A01667-28, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_s = 4.026 \rightarrow 4.526$, In.</td> <td>$X_s = 402.60 \rightarrow 452.60$, In.</td> </tr> <tr> <td>$\phi = 0^\circ$ & 180°</td> <td>$\phi = 0^\circ$ & 180°</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.026 \rightarrow 4.526$, In.	$X_s = 402.60 \rightarrow 452.60$, In.	$\phi = 0^\circ$ & 180°	$\phi = 0^\circ$ & 180°		
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.026 \rightarrow 4.526$, In.	$X_s = 402.60 \rightarrow 452.60$, In.								
$\phi = 0^\circ$ & 180°	$\phi = 0^\circ$ & 180°								
PS ₃₂	Solid Rocket Booster data capsule and camera per model dwg. SS-A01667-26, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_s = 4.017 \rightarrow 4.402$, In.</td> <td>$X_s = 401.70 \rightarrow 440.20$, In.</td> </tr> <tr> <td>$\phi = 90^\circ$ RH $= 270^\circ$ LH</td> <td>$\phi = 90^\circ$ RH $= 270^\circ$ LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.017 \rightarrow 4.402$, In.	$X_s = 401.70 \rightarrow 440.20$, In.	$\phi = 90^\circ$ RH $= 270^\circ$ LH	$\phi = 90^\circ$ RH $= 270^\circ$ LH		
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.017 \rightarrow 4.402$, In.	$X_s = 401.70 \rightarrow 440.20$, In.								
$\phi = 90^\circ$ RH $= 270^\circ$ LH	$\phi = 90^\circ$ RH $= 270^\circ$ LH								
PS ₃₃	Solid Rocket Booster 3 intermediate structural rings per model dwg. SS-A01667-8, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_s = 16.559$, In.</td> <td>$X_s = 1655.90$, In.</td> </tr> <tr> <td>$= 17.319$</td> <td>$= 1731.90$</td> </tr> <tr> <td>$= 17.760$</td> <td>$= 1776.00$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 16.559$, In.	$X_s = 1655.90$, In.	$= 17.319$	$= 1731.90$	$= 17.760$	$= 1776.00$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 16.559$, In.	$X_s = 1655.90$, In.								
$= 17.319$	$= 1731.90$								
$= 17.760$	$= 1776.00$								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₄	Solid Rocket Booster aft cable housing per model dwg. SS-A01667-12, located at:								
	<table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_s = 4.726 \rightarrow 18.554, \text{In.}$</td> <td>$X_s = 472.60 \rightarrow 1855.40, \text{In.}$</td> </tr> <tr> <td>$\phi = 90^\circ \text{ RH}$</td> <td>$\phi = 90^\circ \text{ RH}$</td> </tr> <tr> <td>$= 180^\circ \text{ LH}$</td> <td>$= 180^\circ \text{ LH}$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.726 \rightarrow 18.554, \text{In.}$	$X_s = 472.60 \rightarrow 1855.40, \text{In.}$	$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$	$= 180^\circ \text{ LH}$	$= 180^\circ \text{ LH}$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.726 \rightarrow 18.554, \text{In.}$	$X_s = 472.60 \rightarrow 1855.40, \text{In.}$								
$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$								
$= 180^\circ \text{ LH}$	$= 180^\circ \text{ LH}$								
PS ₃₅	Solid Rocket Booster aft structural ring per model dwg. SS-A01667-8, located at:								
	<table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_s = 18.371, \text{In.}$</td> <td>$X_s = 1837.10, \text{In.}$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 18.371, \text{In.}$	$X_s = 1837.10, \text{In.}$				
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 18.371, \text{In.}$	$X_s = 1837.10, \text{In.}$								
PS ₃₆	Solid Rocket Booster aft separation motors located on aft SRB skirts per model dwg. SS-A01667-38. Located aft of SRB rear structural ring at $\phi = 0 \rightarrow 36^\circ \text{ RH}$ $= 324^\circ \rightarrow 360^\circ \text{ LH}.$								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO₂ RECIRCULATION LINE - PT₂₃
 GENERAL DESCRIPTION: LO₂ recirculation line on right-hand upper side of
 T₃₅.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	10.407
	Y _T	94.169	0.942
	Z _T	540.934	5.409
Trailing edge at:	X _T	2062.920	20.629
	Y _T	70.0	0.700
	Z _T	573.934	5.739
Line diameter, In.		4.0	0.040

Centerline of line located radially at $\phi = 213^{\circ}45'$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅
 GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₃₅ with
 LH₂ pressure sensor line and LO₂ vent valve actuator line.
 MODEL SCALE: 0.010
 DRAWING NUMBER: VI78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1084.333	10.843
	Y _T	99.591	0.996
	Z _T	539.620	5.396
Trailing edge at:	X _T	2058.00	20.580
	Y _T	99.591	0.996
	Z _T	539.620	5.396
Line diameter		2.0 x 6.0	0.02x0.06

Centerline of line located radially at $\phi = 215.5^\circ$

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on the T₃₅

MODEL SCALE: 0.010

DRAWING NUMBER VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	3.607
	Y _T	15.145	.1515
	Z _T	407.718	4.077
Trailing edge at:	X _T	2083.5	20.835
	Y _T	63.25	0.633
	Z _T	609.0	6.090
Line diameter		2.0	0.020

Centerline of line located radially at $\phi = 207^\circ$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
PT ₂₀	External Tank fwd. electrical conduit per model dwg. SS-A01667-6. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 3.607 → 8.600, In.</td> <td>X_T = 360.73 → 860.00, In.</td> </tr> <tr> <td>ϕ = Adjacent to PT₂₆</td> <td>ϕ = Adjacent to PT₂₆</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 3.607 → 8.600, In.	X _T = 360.73 → 860.00, In.	ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 3.607 → 8.600, In.	X _T = 360.73 → 860.00, In.						
ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆						
PT ₃₃	External Tank LH ₂ pressure line per model dwg. SS-A01668-9. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 10.600 → 20.580, In.</td> <td>X_T = 1060.00 → 2058.00, In.</td> </tr> <tr> <td>ϕ = 330°0'</td> <td>ϕ = 330°0'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.600 → 20.580, In.	X _T = 1060.00 → 2058.00, In.	ϕ = 330°0'	ϕ = 330°0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.600 → 20.580, In.	X _T = 1060.00 → 2058.00, In.						
ϕ = 330°0'	ϕ = 330°0'						
PT ₃₉	External Tank nose probe per model dwg. SS-A01668-5. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_T = 3.225 → 3.413, In.</td> <td>X_T = 322.5 → 341.3, In.</td> </tr> <tr> <td>Max. Dia. = .069 in.</td> <td>Max. Dia. = 6.90 in.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 3.225 → 3.413, In.	X _T = 322.5 → 341.3, In.	Max. Dia. = .069 in.	Max. Dia. = 6.90 in.
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 3.225 → 3.413, In.	X _T = 322.5 → 341.3, In.						
Max. Dia. = .069 in.	Max. Dia. = 6.90 in.						

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅
 GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)
 MODEL SCALE: 0.010
 DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	100.15	0.010
Span (equivalent), In.	201.0	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord, In.	50.833	0.508
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord	0.400	0.400
At outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Trailing edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of Area and \bar{c}) Ft ³	610.92	0.0006
Mean Aerodynamic Chord, In.	73.2	0.732

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR- S₂₄

GENERAL DESCRIPTION: Booster Solid Rocket - Modified Vehicle-5, per
ICD-2-00001, Rev. B

DRAWING NUMBER: SS-A01690, SS-A01667

SCALE: 0.010

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - in.	1789.6	17.896
Max. Width (Tank Dia.) - in.	150.0	1.500
Max. Depth (aft Shroud) - in.	208.0	2.08
Fineness Ratio	11.931	11.931
Area - Ft ²		
Max. Cross-Sectional	236.0	.02360
Planform		
Wetted		
Base		
WP of BSRM Centerline (Z _T) - in.	400.00	4.000
FS of BSRM Nose (X _T) - in.	200.00	2.000

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: EXTERNAL TANK - T₃₅

GENERAL DESCRIPTION: Spike nose configuration, updated Vehicle 5
(Dimensions are to tank structural OML, TPS included.)

MODEL SCALE: 0.010

DRAWING NUMBER: VC78-000002A, ICD-2-00001, Rev. B, VC72-000002E

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, In.	1852.500	18.525
Max Width, In.	336.000	3.360
Max Depth, In.	336.000	3.360
Fineness Ratio	5.513	5.513
Area - Ft ²		
Max. Cross-Sectional	615.752	.06158
Planform	--	--
Wetted	--	--
Base	604.806	.06048

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V₈
 GENERAL DESCRIPTION: Configuration 140A/B orbiter vertical tail
 MODEL SCALE: 0.010 MODEL DRAWING: SS-400148, Release 6
 DRAWING NUMBER: VL70-000146A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	413.253	0.041
Span (Theo) - In.	315.720	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.2	26.2
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.500	2.685
Tip (Theo) WP	108.470	1.085
MAC	199.808	1.998
Fus. Sta. of .25 MAC	1463.50	14.635
W.P. of .25 MAC	635.522	6.355
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.0	10.0
Trailing Wedge Angle - Deg.	14.920	14.920
Leading Edge Radius	2.00	0.020
Void Area	13.17	0.001
Blanketed Area	0.0	0.0

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TABLE III. MODEL DIMENSIONAL DATA (Concluded)

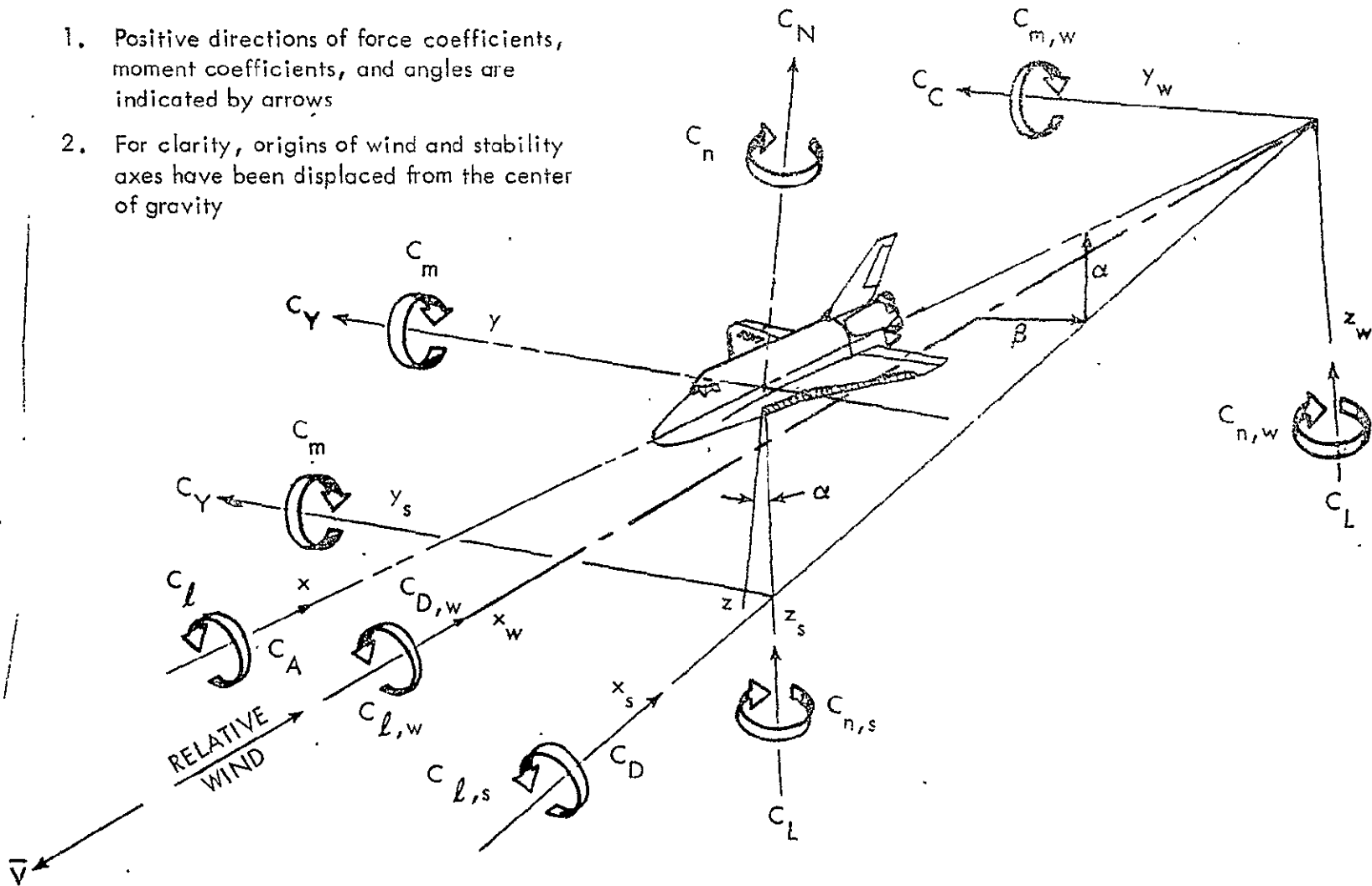
MODEL COMPONENT: WING-W₁₂₇
 GENERAL DESCRIPTION: Configuration 140C, orbiter wing, MCR 200-R4,
 similar to 140A/B wing W₁₁₆ but with refinements: improved wing-boot-
 midbody fairing (X₀ = 940 to X₀ = 1040); elevon split line relocated from
 Y₀ = 281 to Y₀ = 312.5. MODEL SCALE:0.010 DWG.NO: VL70-000140C,-000200B
 DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.) Ft ²		
Planform	2690.00	0.2690
Span (Theo) In.	936.68	9.3668
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	6.892
Tip (Theo) B.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.83	11.368
W.P. of .25 MAC	290.58	2.906
B.L. of .25 MAC	182.13	1.821
<u>EXPOSED DATA</u>		
Area (Theo) Ft ²	1751.50	0.1752
Span (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	5.621
Tip 1.00 b/2	137.85	1.379
MAC	392.83	3.928
Fus. Sta. of .25 MAC	1185.98	11.860
W.P. of .25 MAC	294.30	2.943
B.L. of .25 MAC	251.77	2.518
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft ²	113.18	0.01132
Leading Edge Intersects Fus M.L. @ Sta	500.00	5.000
Leading Edge Intersects Wing @ Sta	1024.00	10.240

Notes:

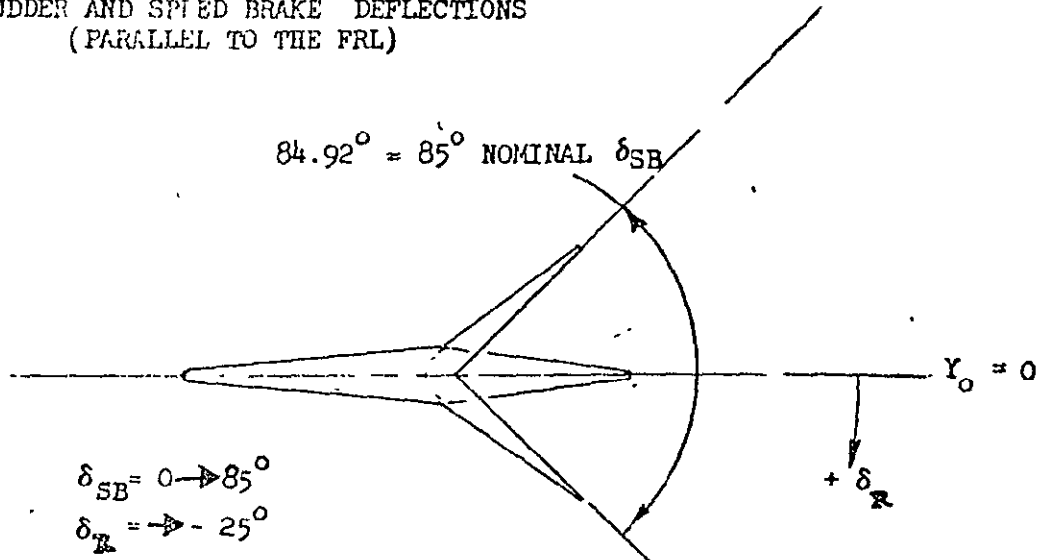
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

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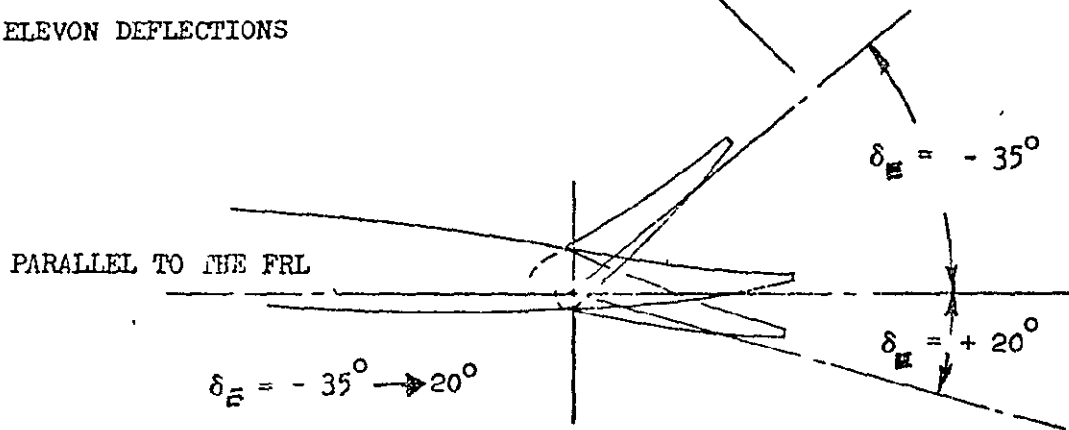


a. General
Figure 1. Axis systems.

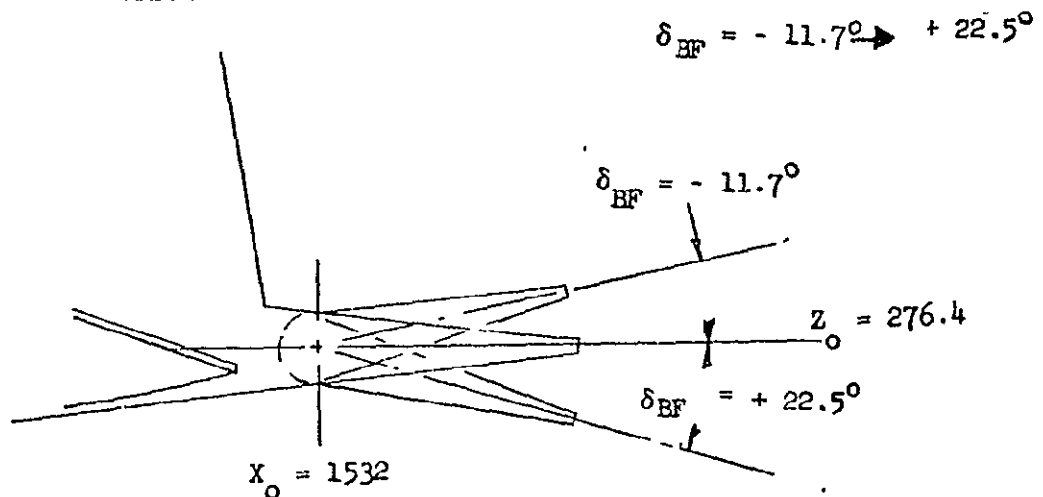
RUDDER AND SPIED BRAKE DEFLECTIONS
(PARALLEL TO THE FRL)



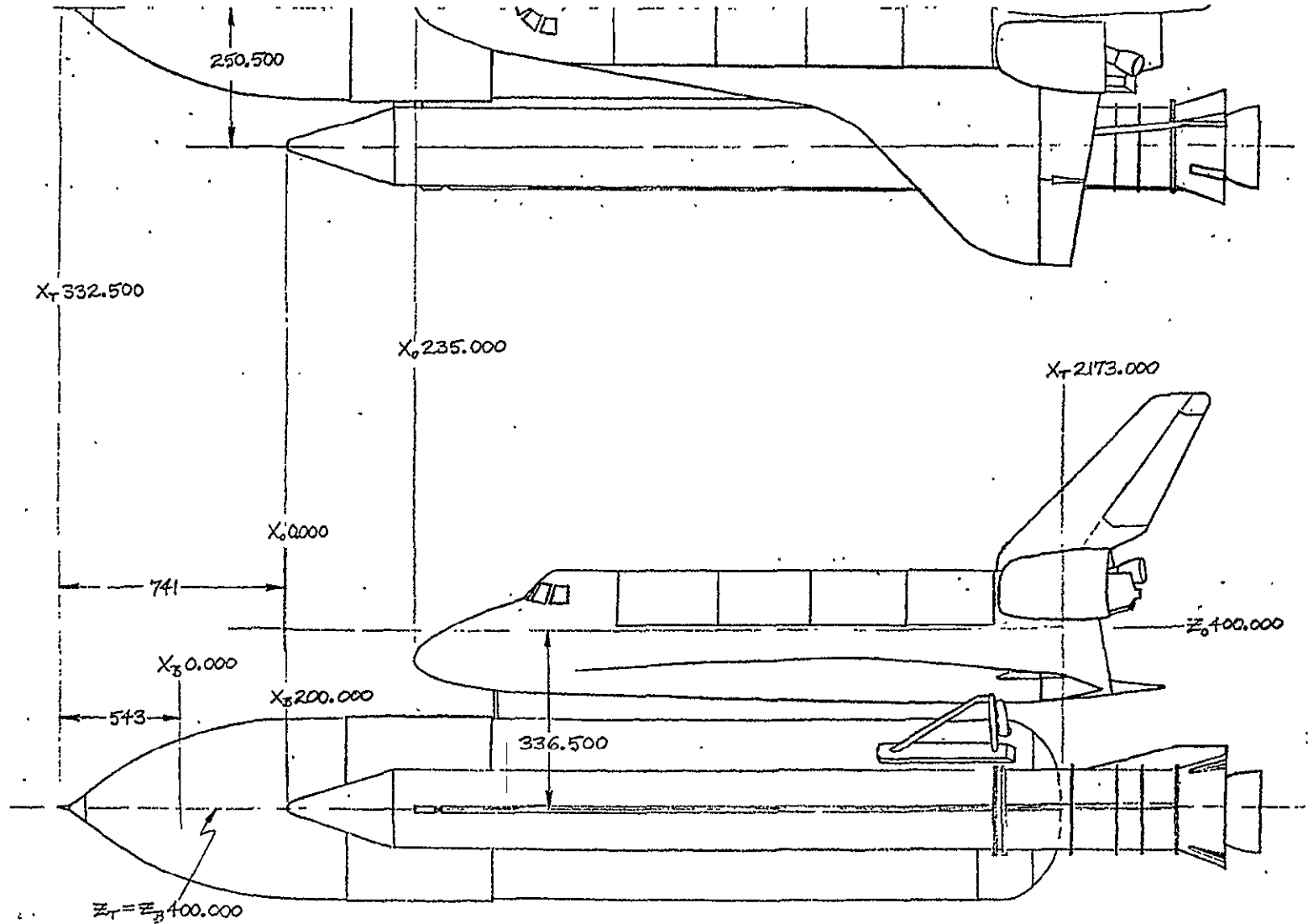
ELEVON DEFLECTIONS



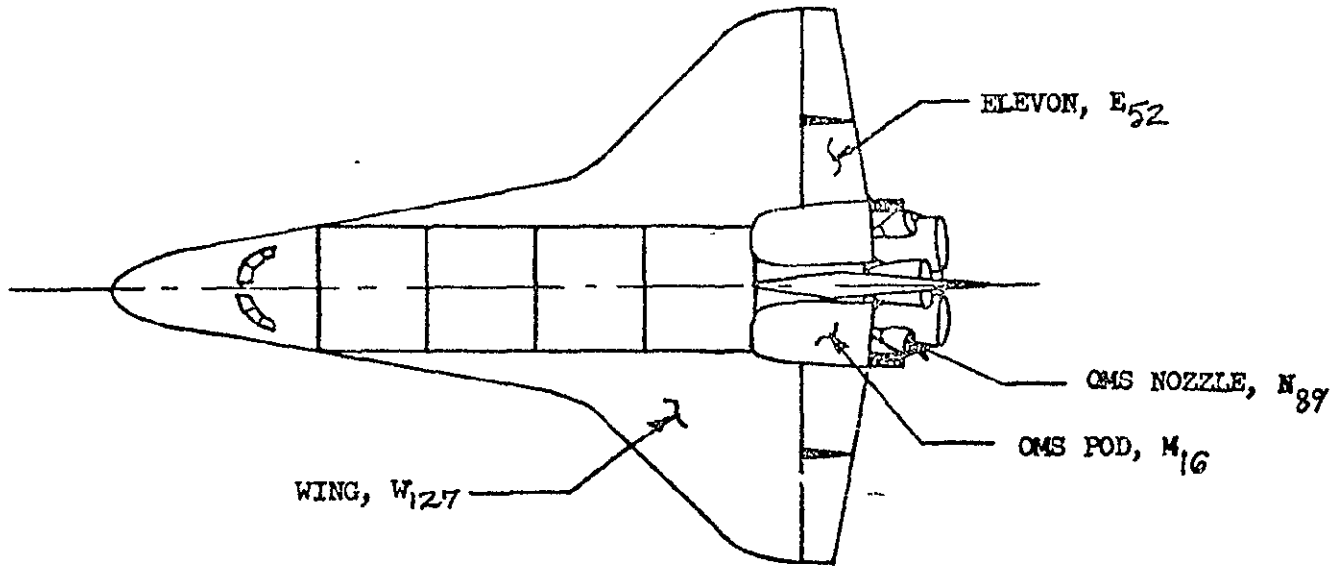
BODY FLAP DEFLECTIONS



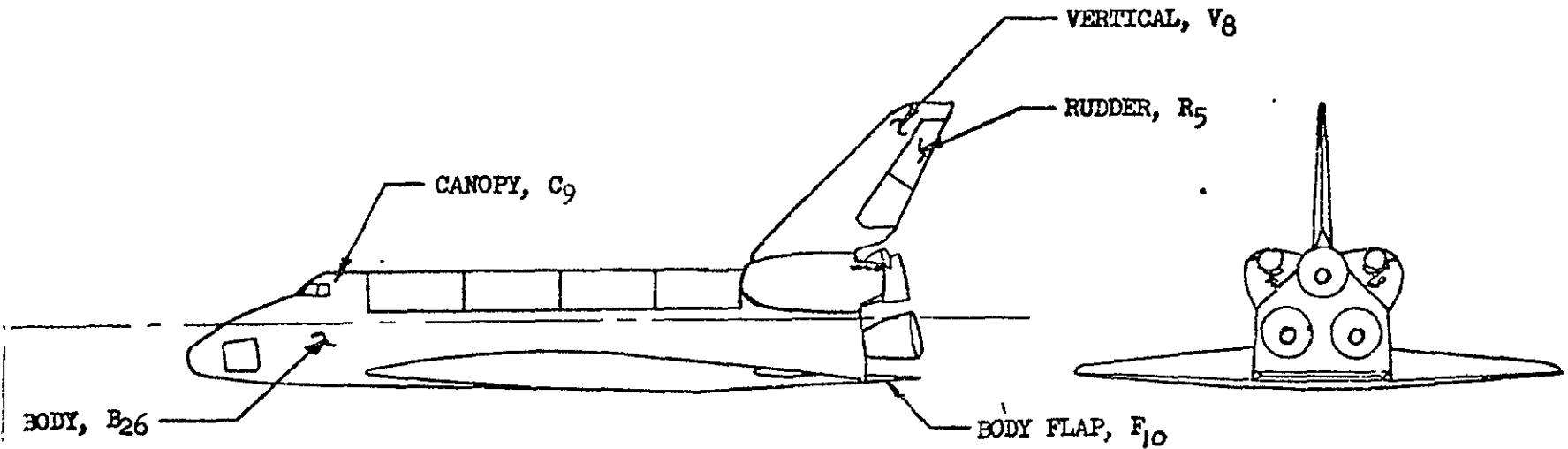
b. Control Surfaces
Figure 1. Continued.



a. Updated Vehicle-5 Launch Configuration
Figure 2. Model sketches.

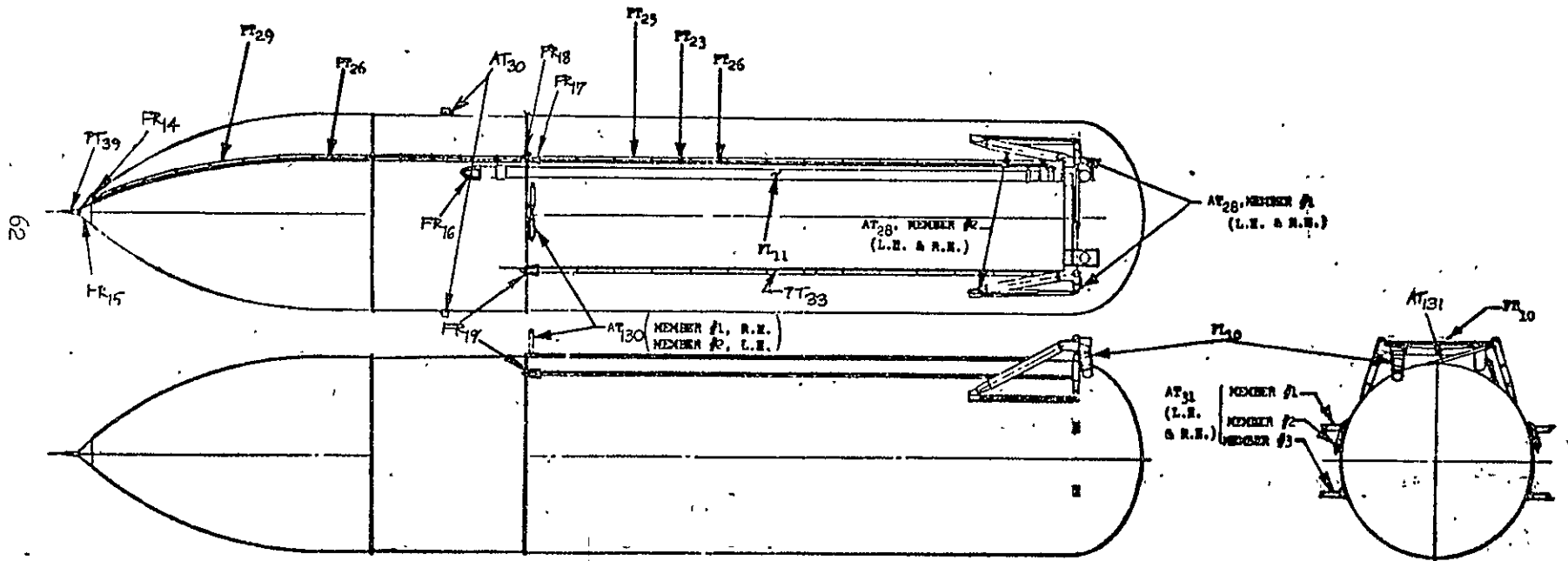


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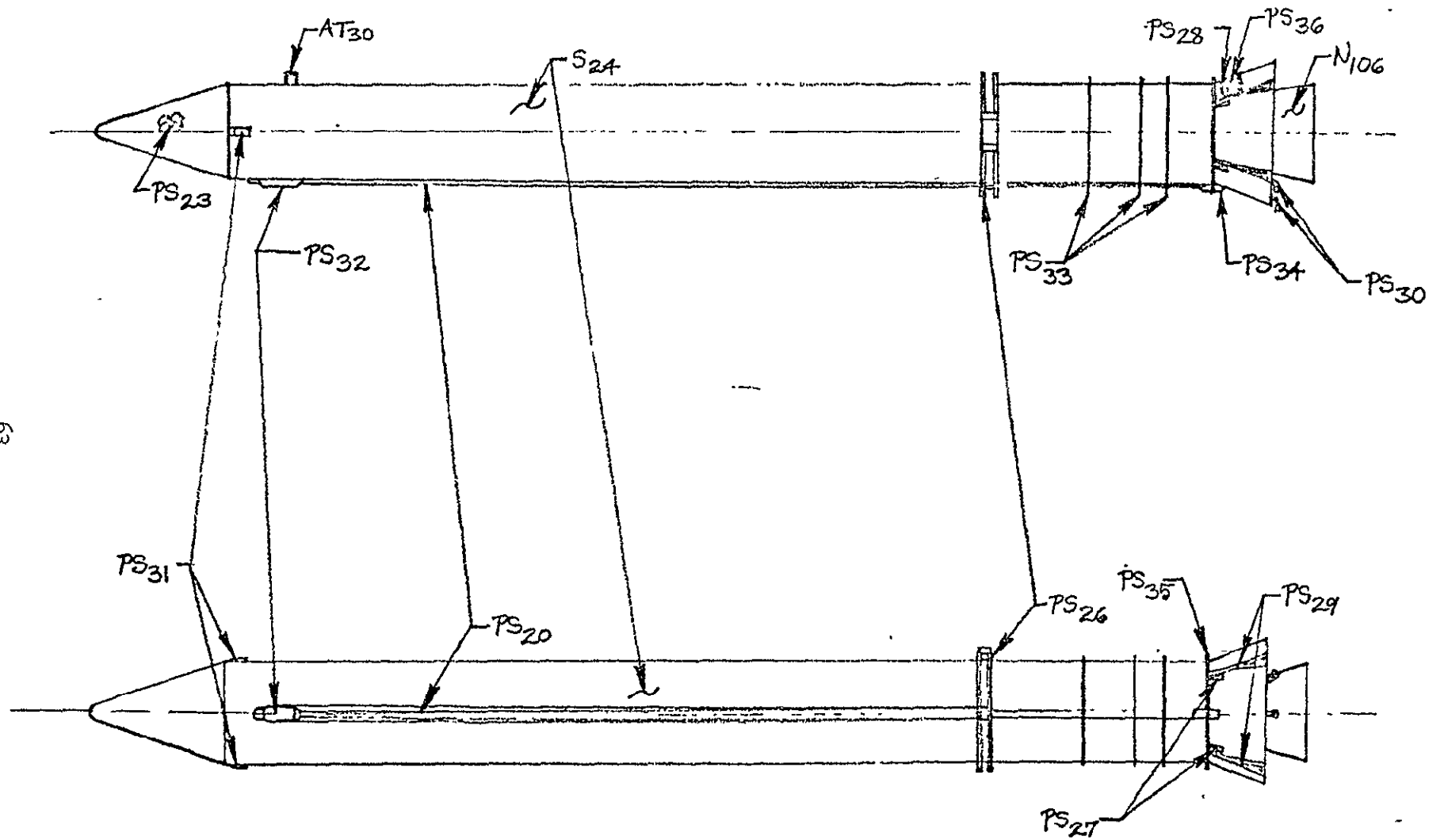


b. Orbiter
Figure 2. Continued.

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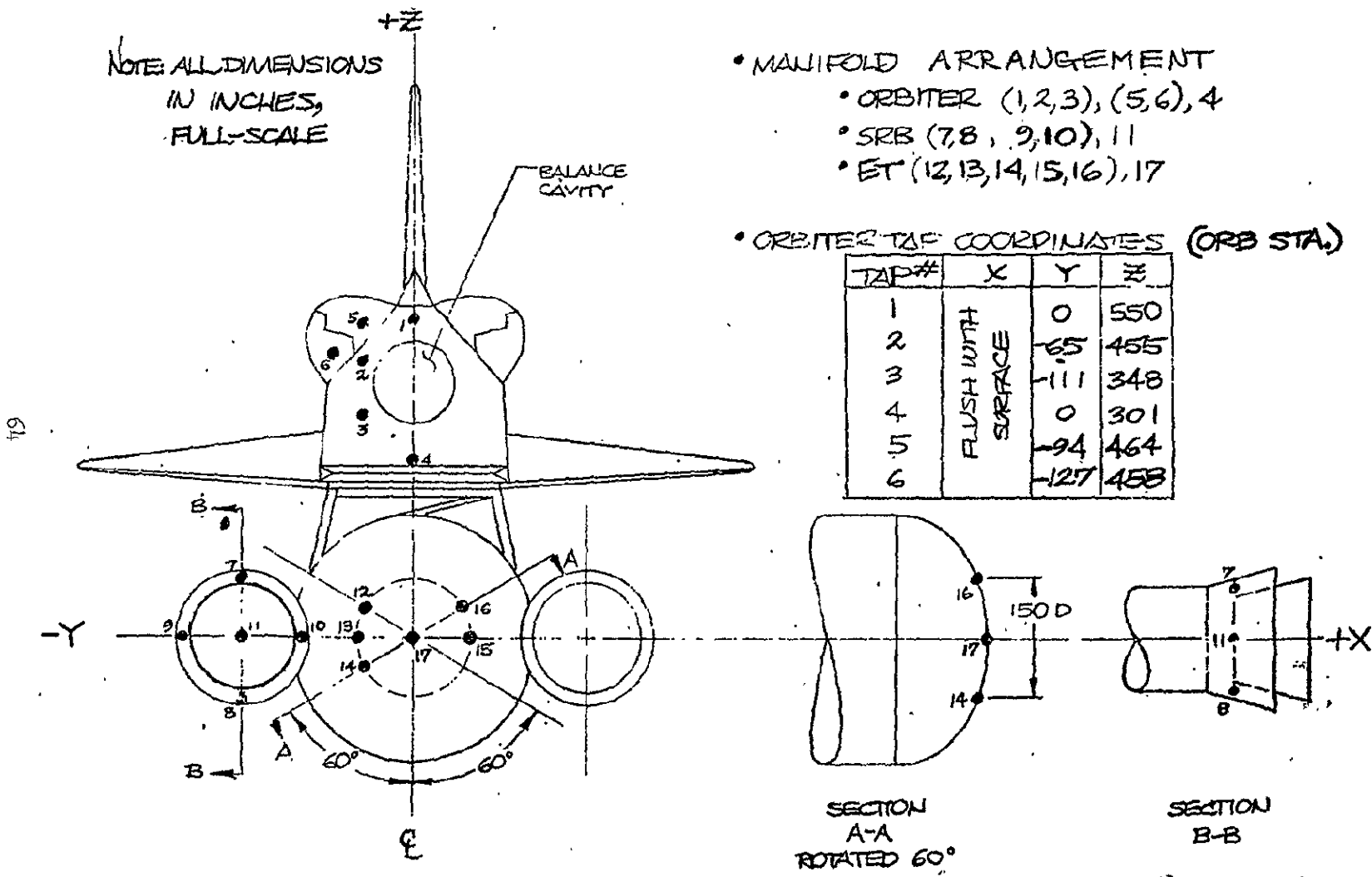


c. External Tank
Figure 2, Continued.



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d. Solid Rocket Booster
Figure 2. Continued.



e. Base Pressure Tap Locations
Figure 2. Concluded.

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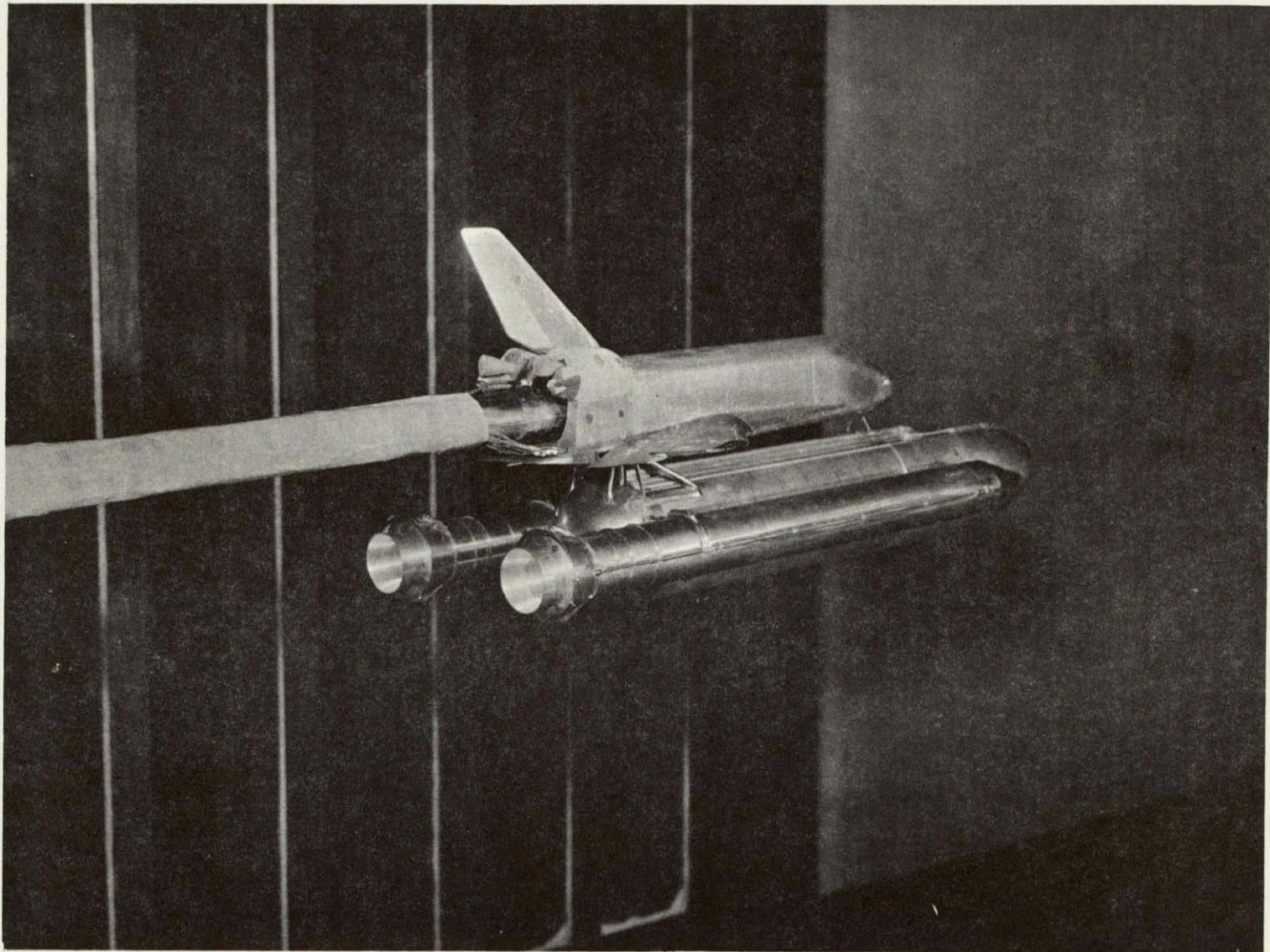


Figure 3. Model installation photograph.

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000 SO FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290 3000 INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290 3000 INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000 IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	0000 IN. YT
								ZMRP	400.0000 IN. ZT
								SCALE	0100

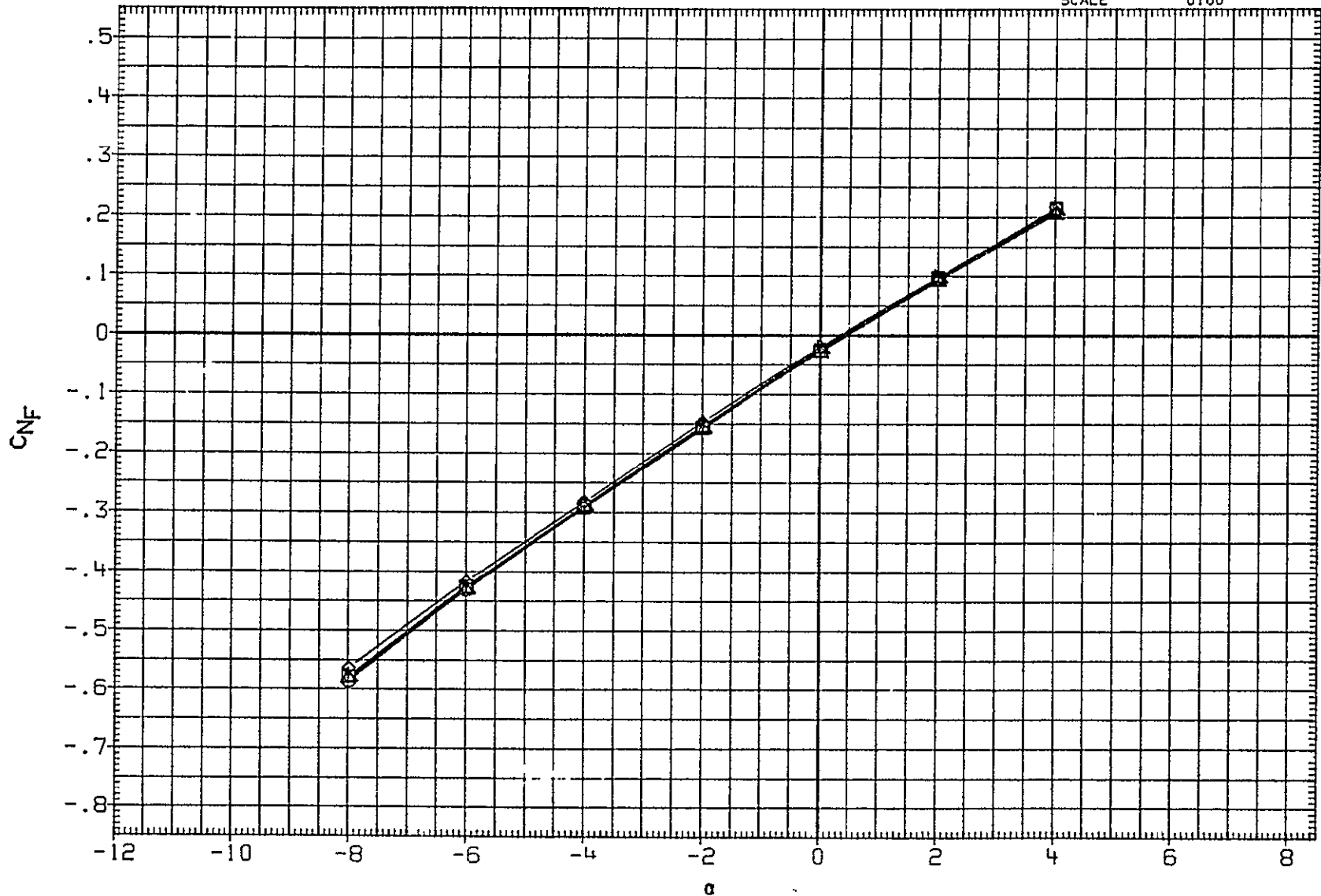


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50.FT.
MJKB18	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

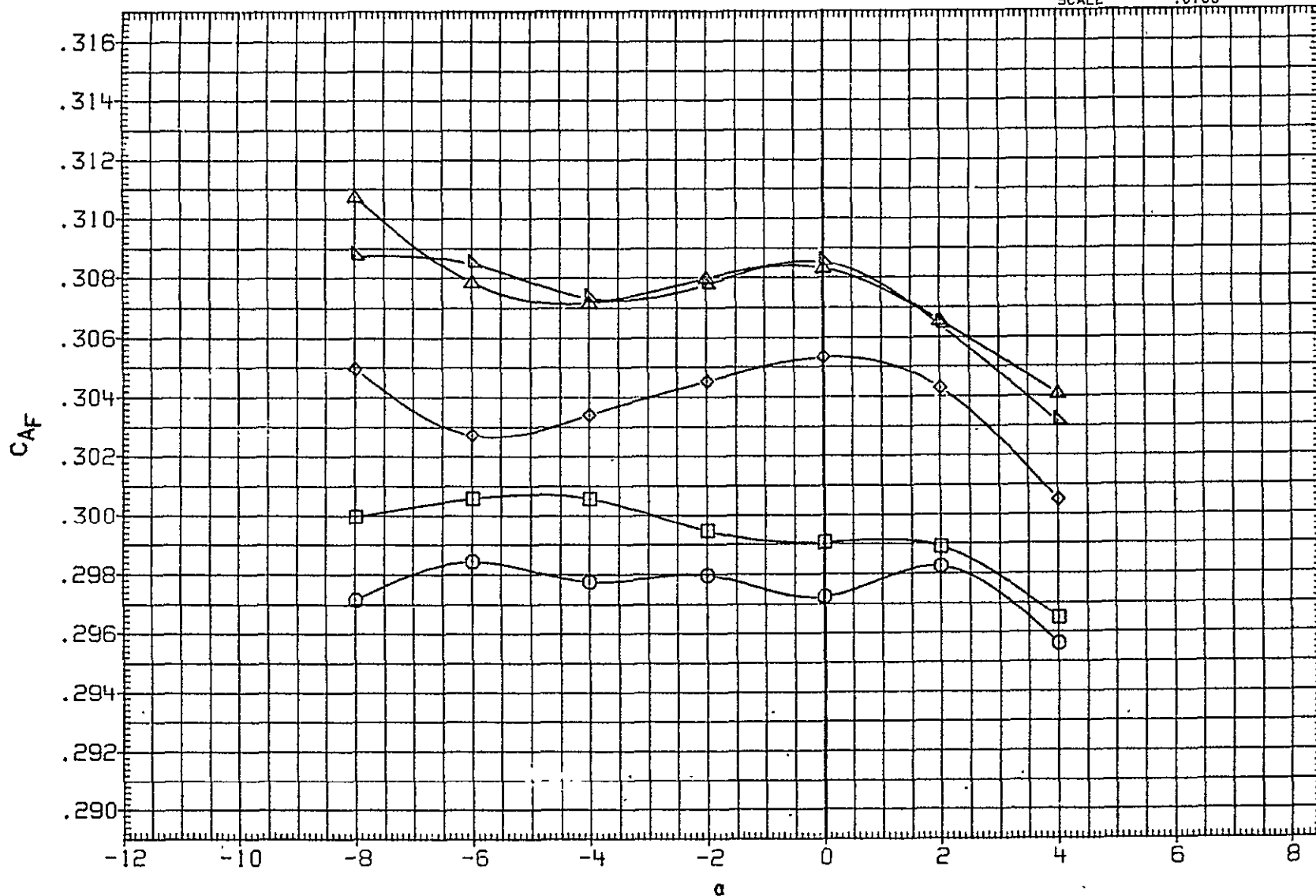


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	6 000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	10.000	-5.000	10.000	-5.000	LREF	1290 3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	000	10.000	-5.000	10.000	-5.000	BREF	1290 3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4 000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	10.000	-5.000	10.000	-5.000	YMRP	0000	IN YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

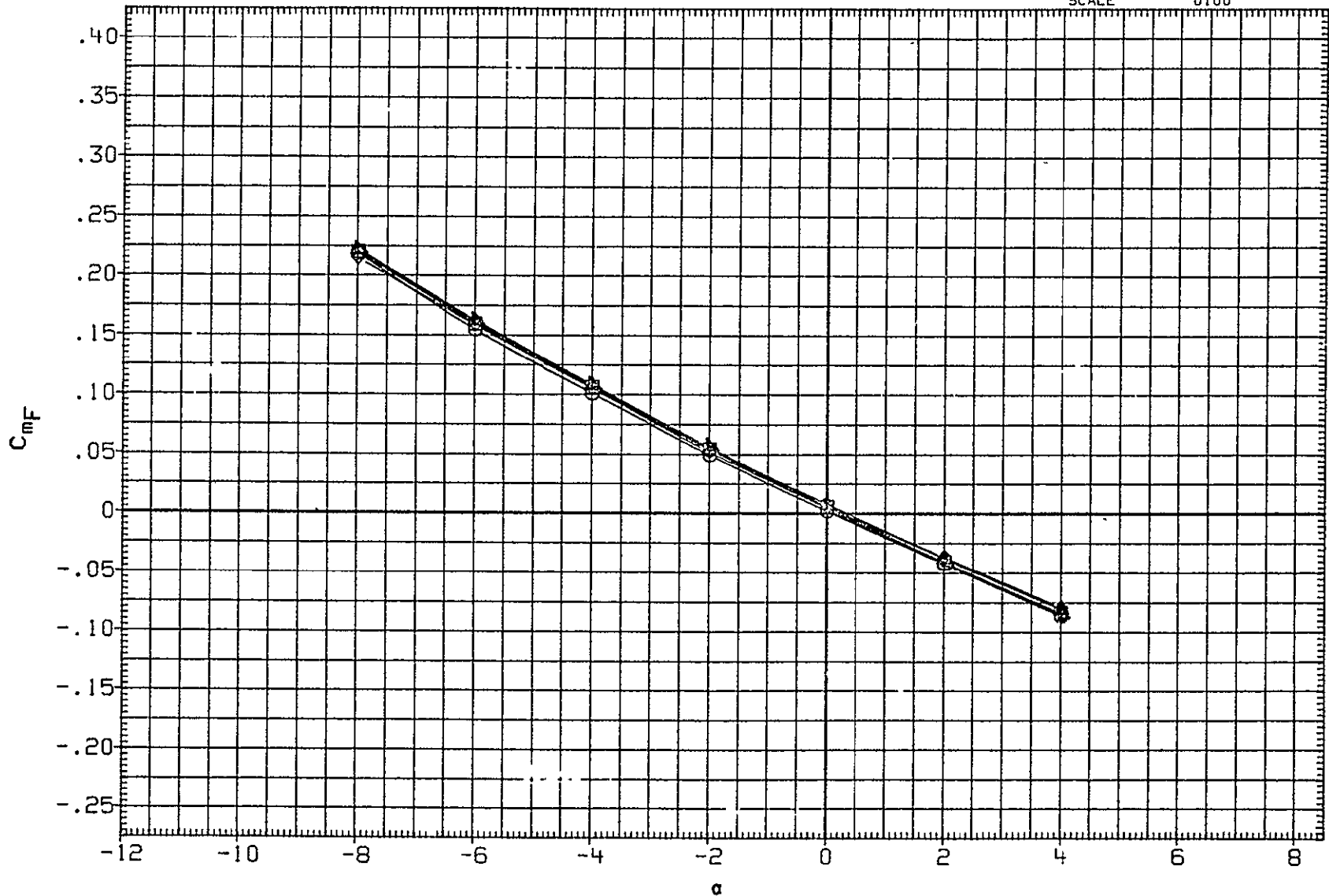


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB17	○ LARC UPWT 1152(1A94A) OTSAT130	-5.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SO.FT.
MJKB18	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

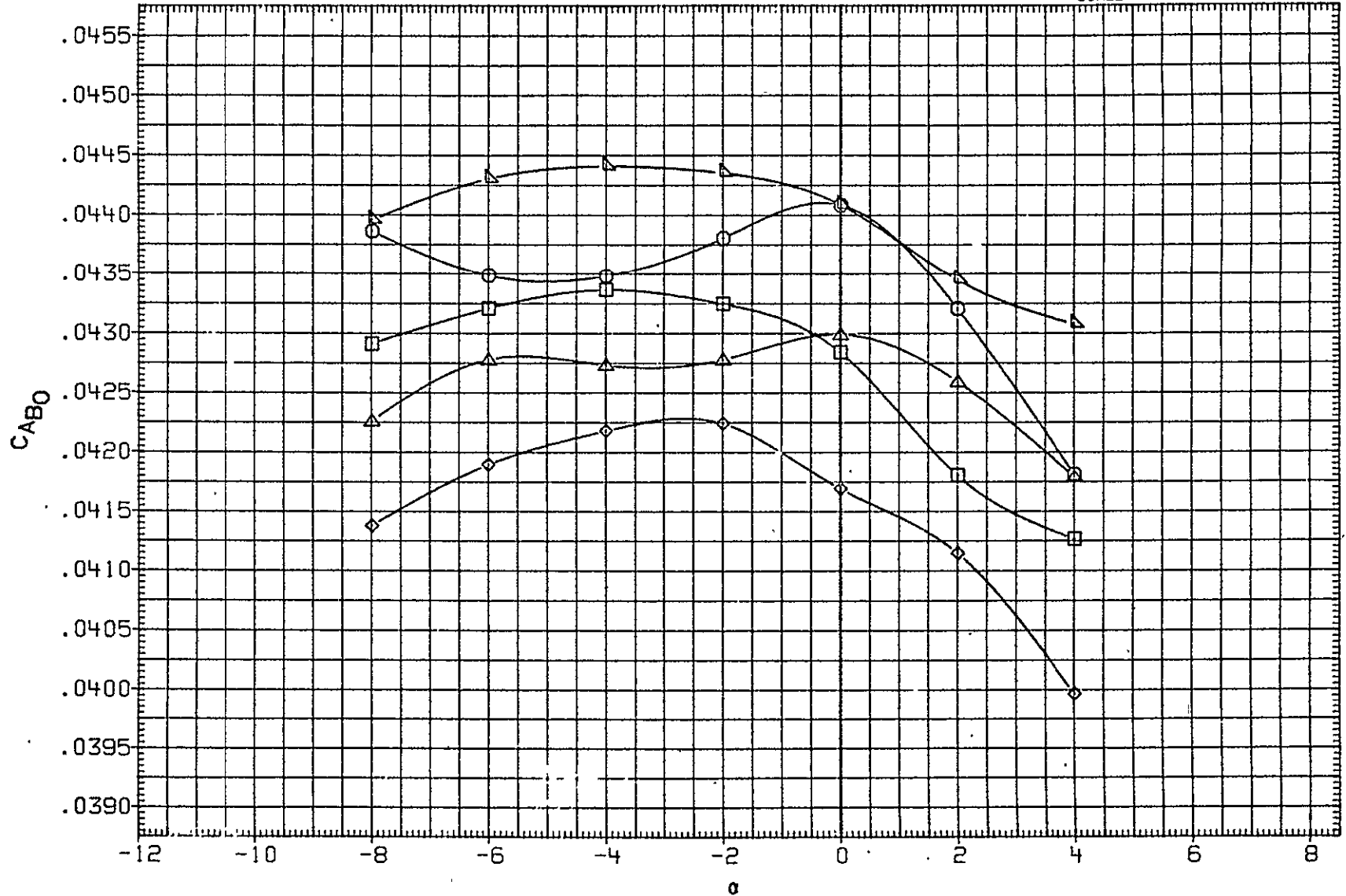


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB17	○	LARC UPWT 1152 (1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000 SQ.FT.
MJKB18	□	LARC UPWT 1152 (1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000 INCHES
MJKB19	◇	LARC UPWT 1152 (1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000 INCHES
MJKB20	△	LARC UPWT 1152 (1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000 IN. XT
MJKB21	▽	LARC UPWT 1152 (1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	0000 IN YT
								ZMRP	400.0000 IN ZT
								SCALE	0.100

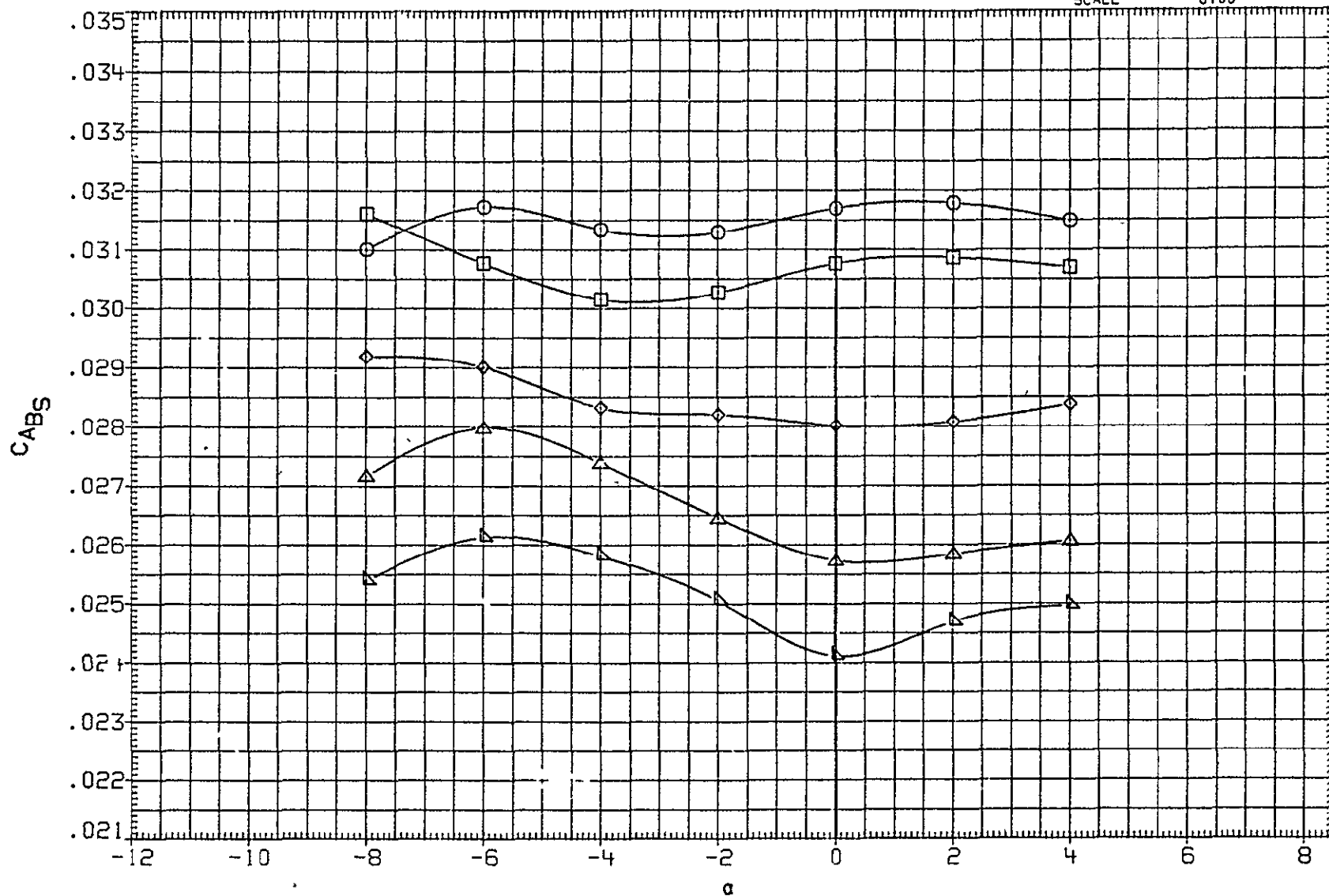


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

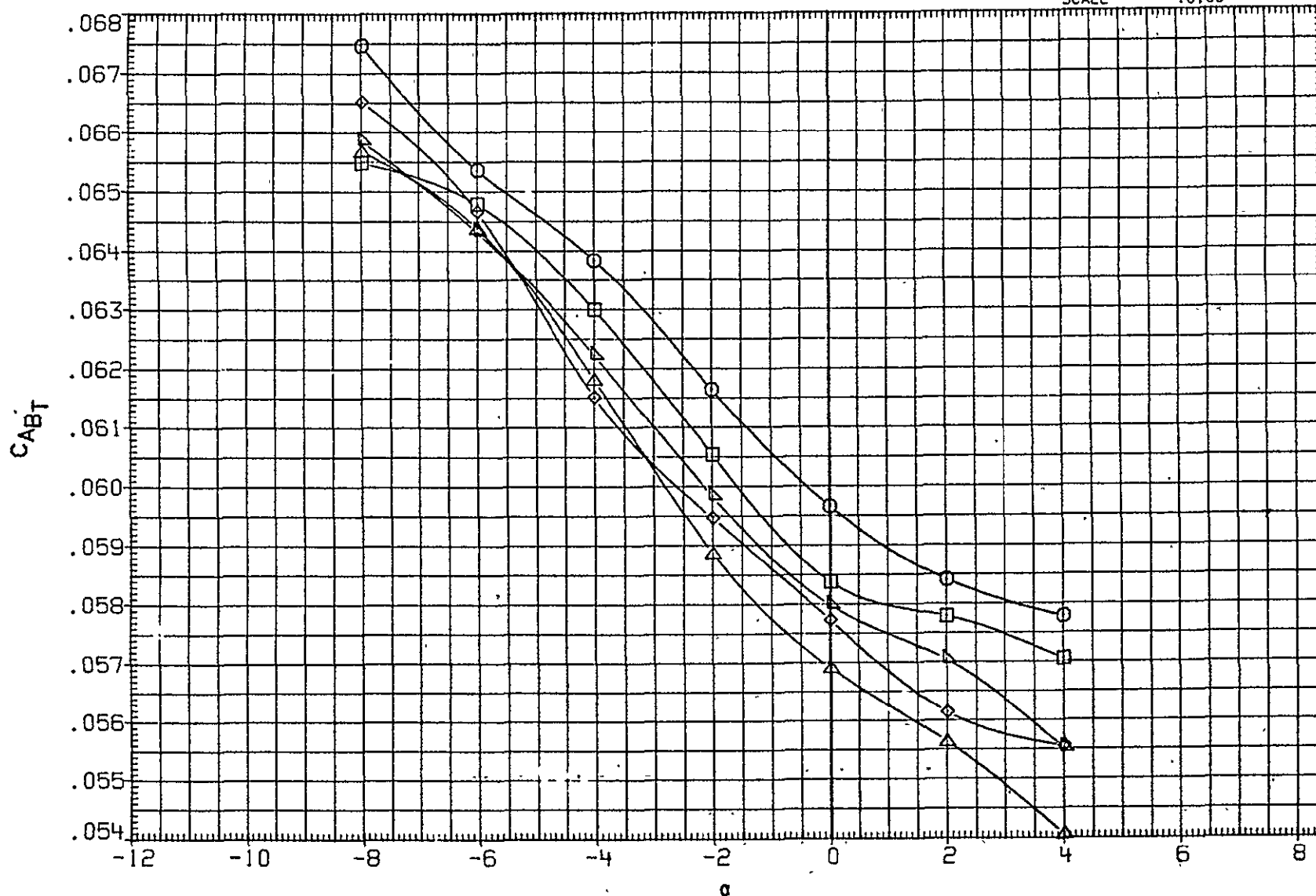


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	2.000	10.000	2.000	BREF	976.0000	IN. XT
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	YMRP	0000	IN. YT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	ZMRP	400.0000	IN. ZT
									SCALE	.0100

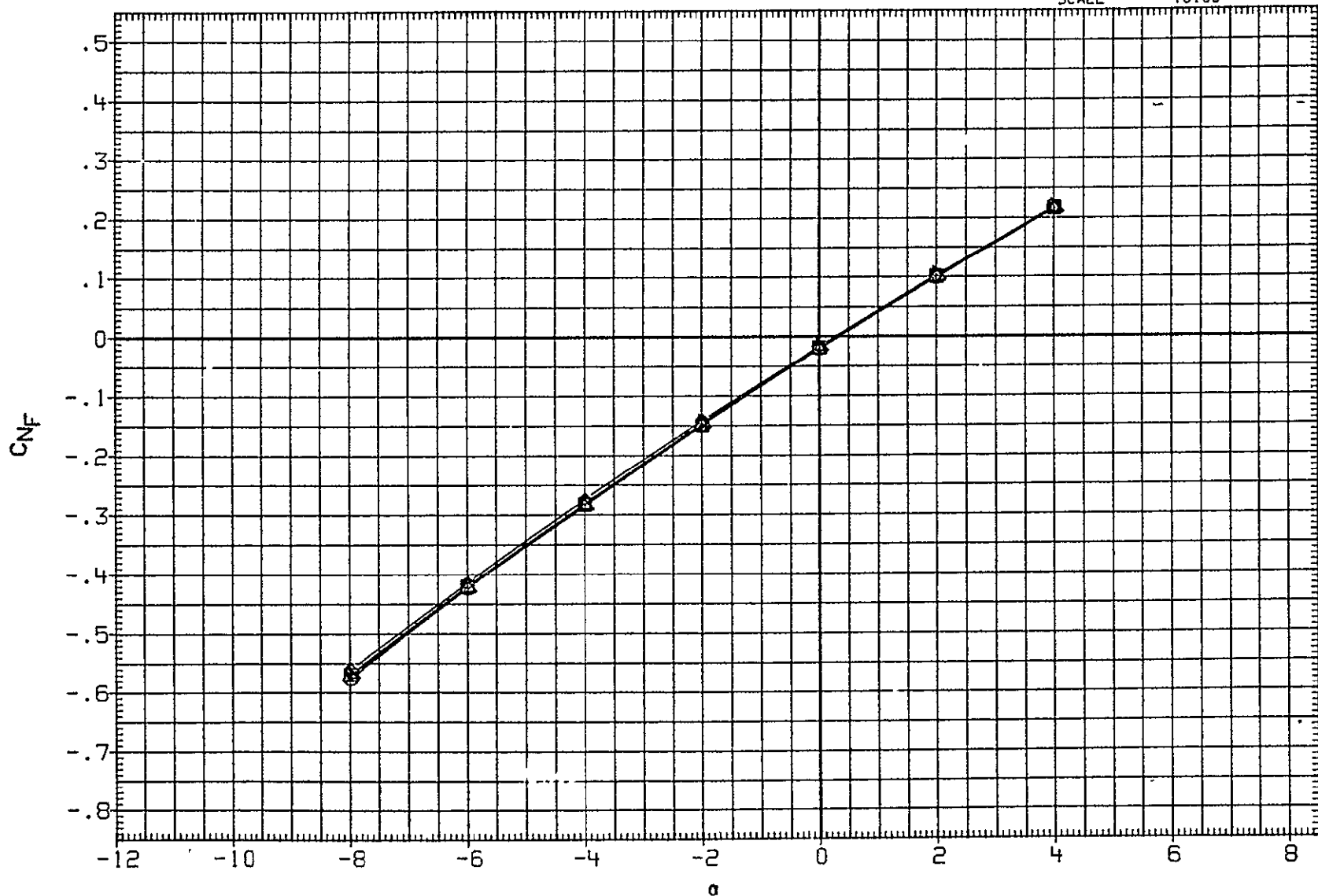


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SO.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

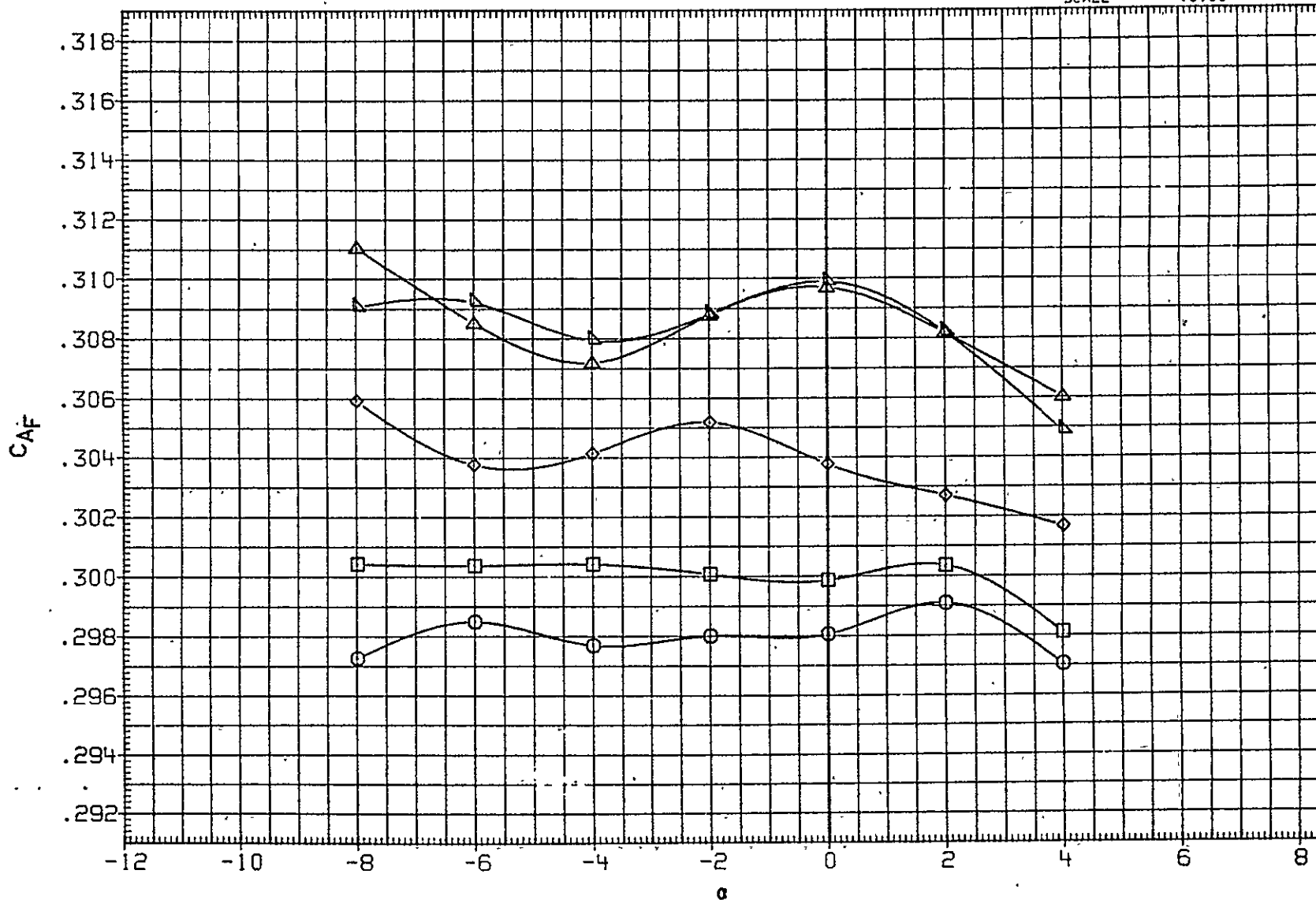


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152 (A94) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ. FT.
MJKB23	□	LARC UPWT 1152 (A94) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152 (A94) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152 (A94) OTSAT130	4.000	10.000	2.000	10.000	2.000	XM RP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152 (A94) OTSAT130	6.000	10.000	2.000	10.000	2.000	YM RP	.0000	IN. YT
								ZM RP	400.0000	IN. ZT
								SCALE	0100	

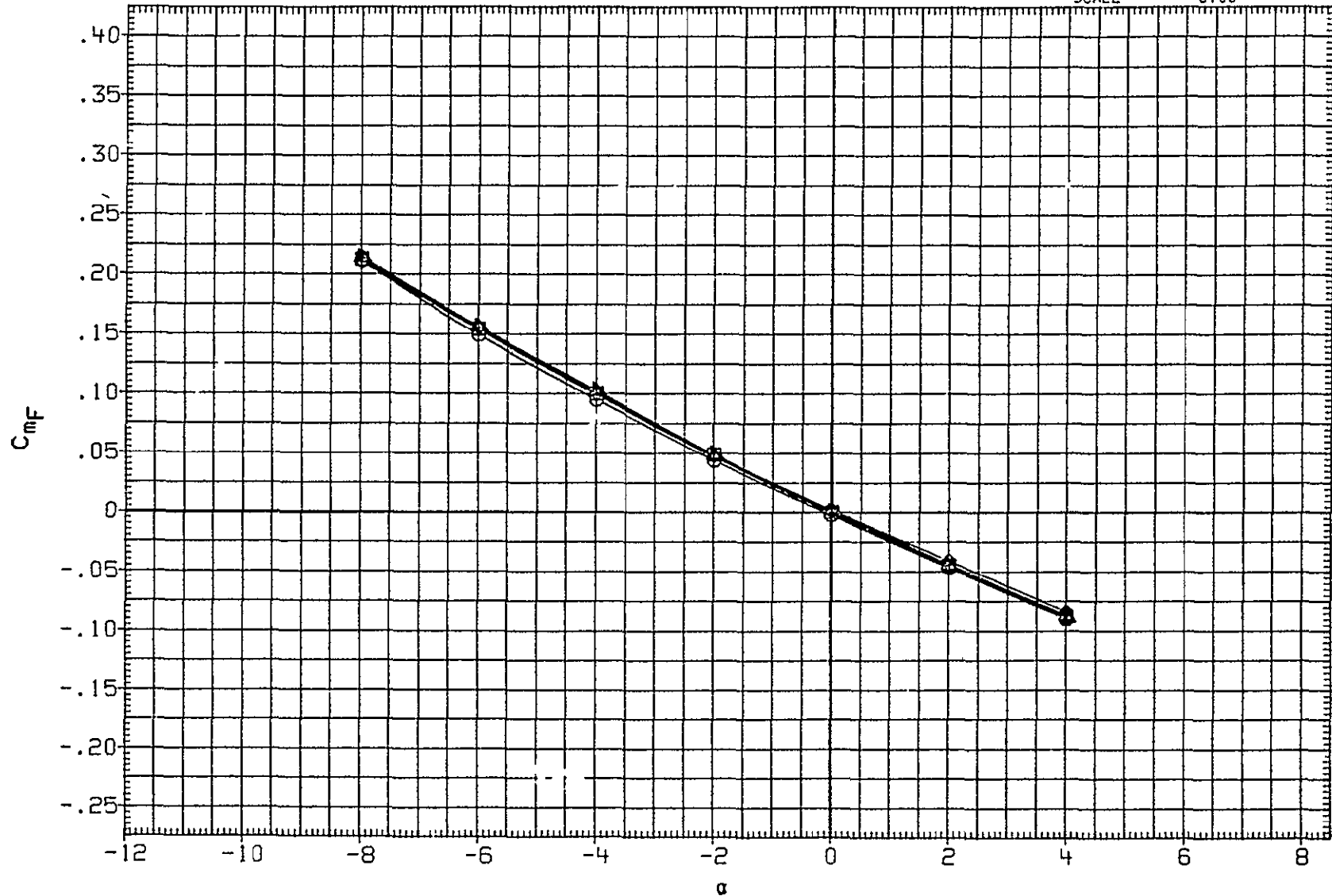


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LQ	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	50. FT.
MJKB23	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT	
MJKB26	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

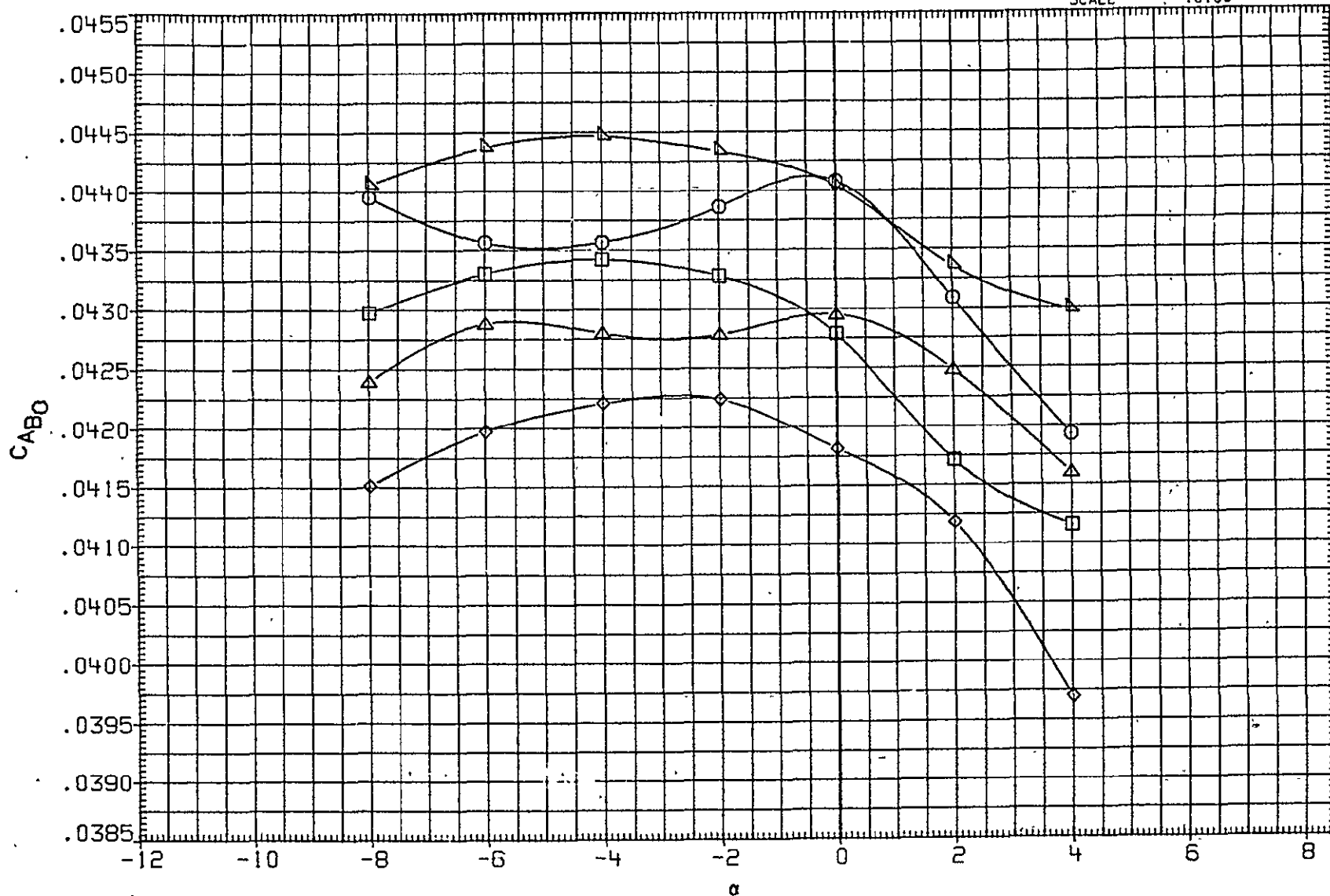


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

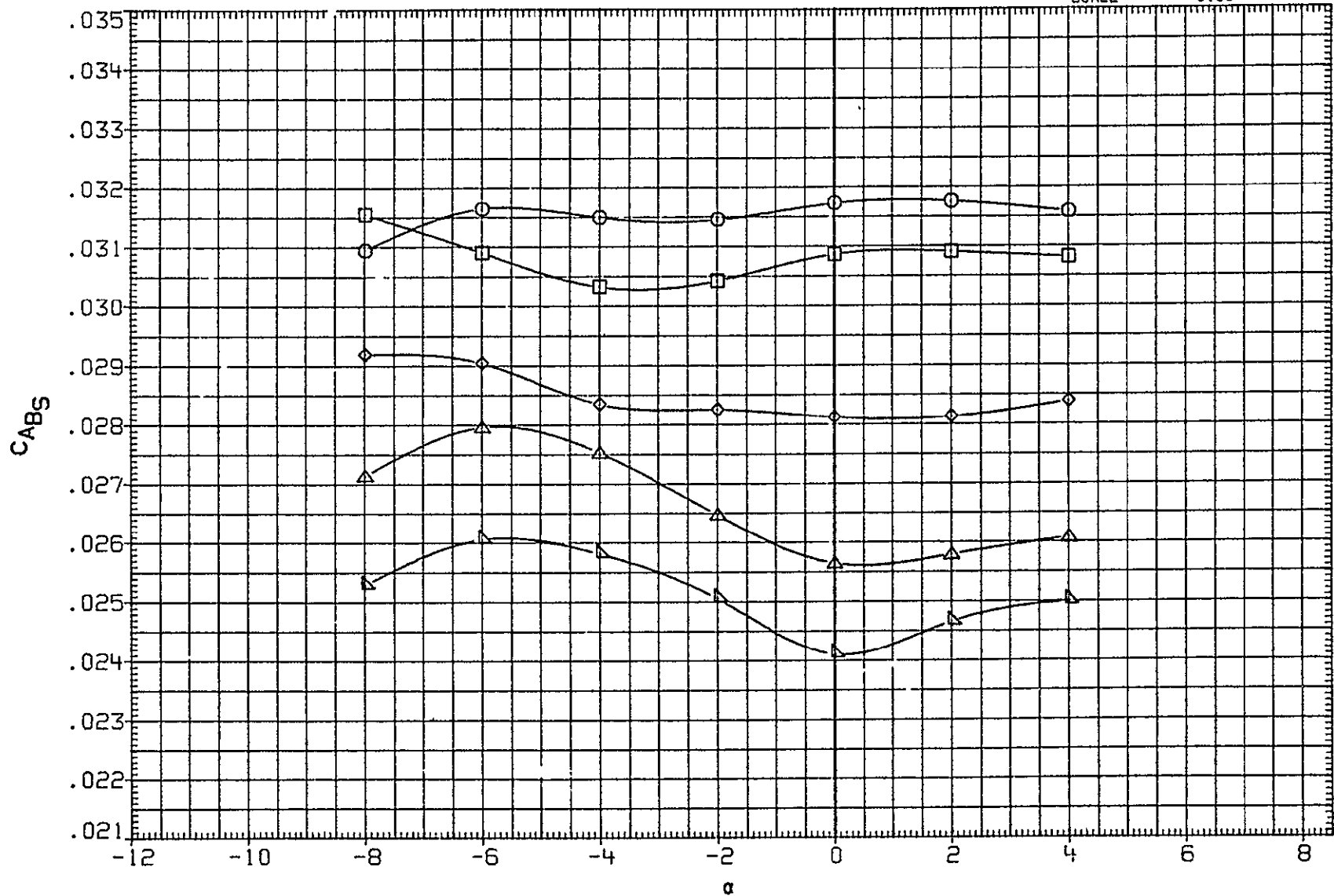


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT	
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

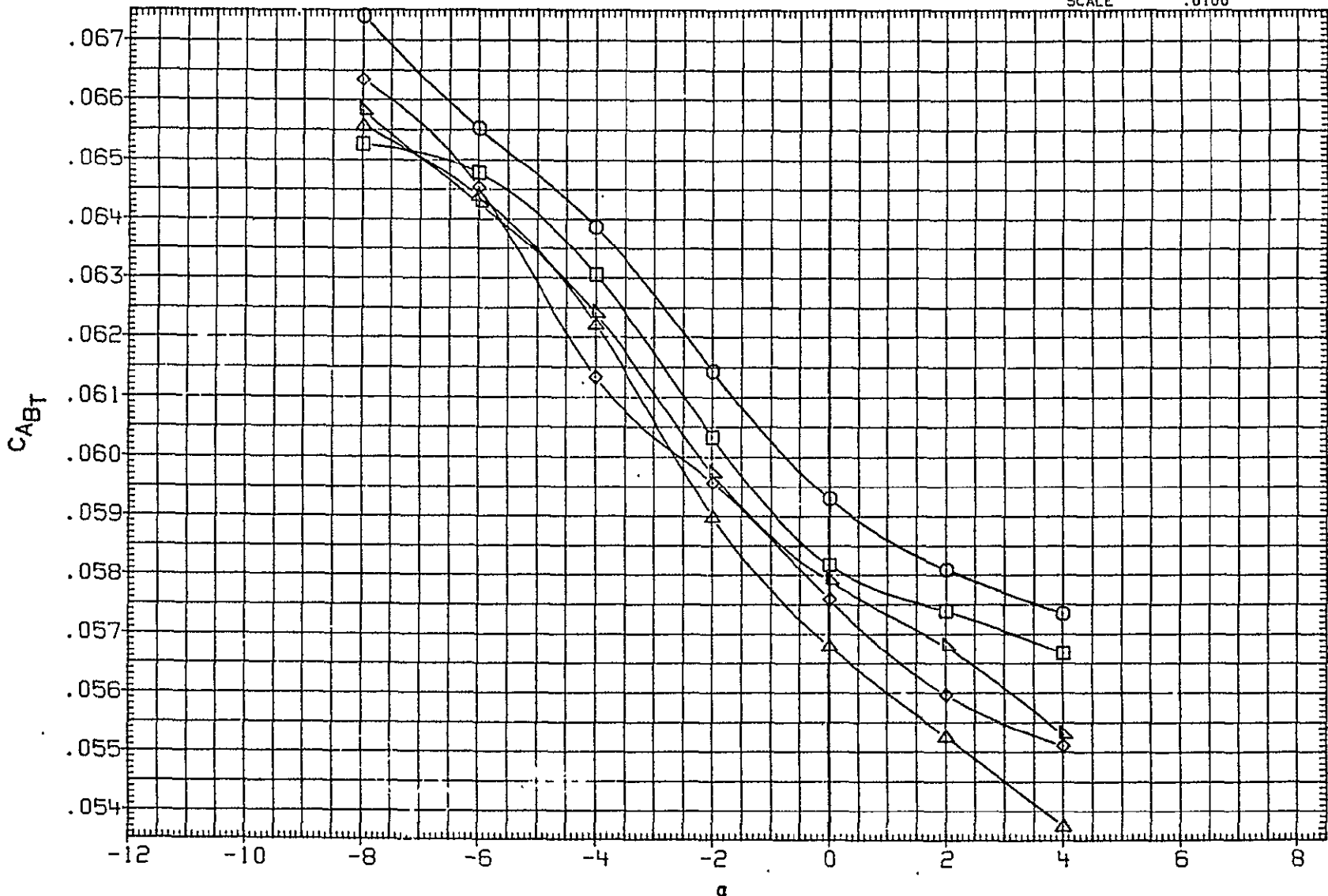


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10 000	-10.000	10.000	-10.000	SREF	2690 0000	50.FT
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	10 000	-10 000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	000	10 000	-10 000	10.000	-10.000	BREF	1290 3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10 000	-10 000	10 000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	10 000	-10.000	10 000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

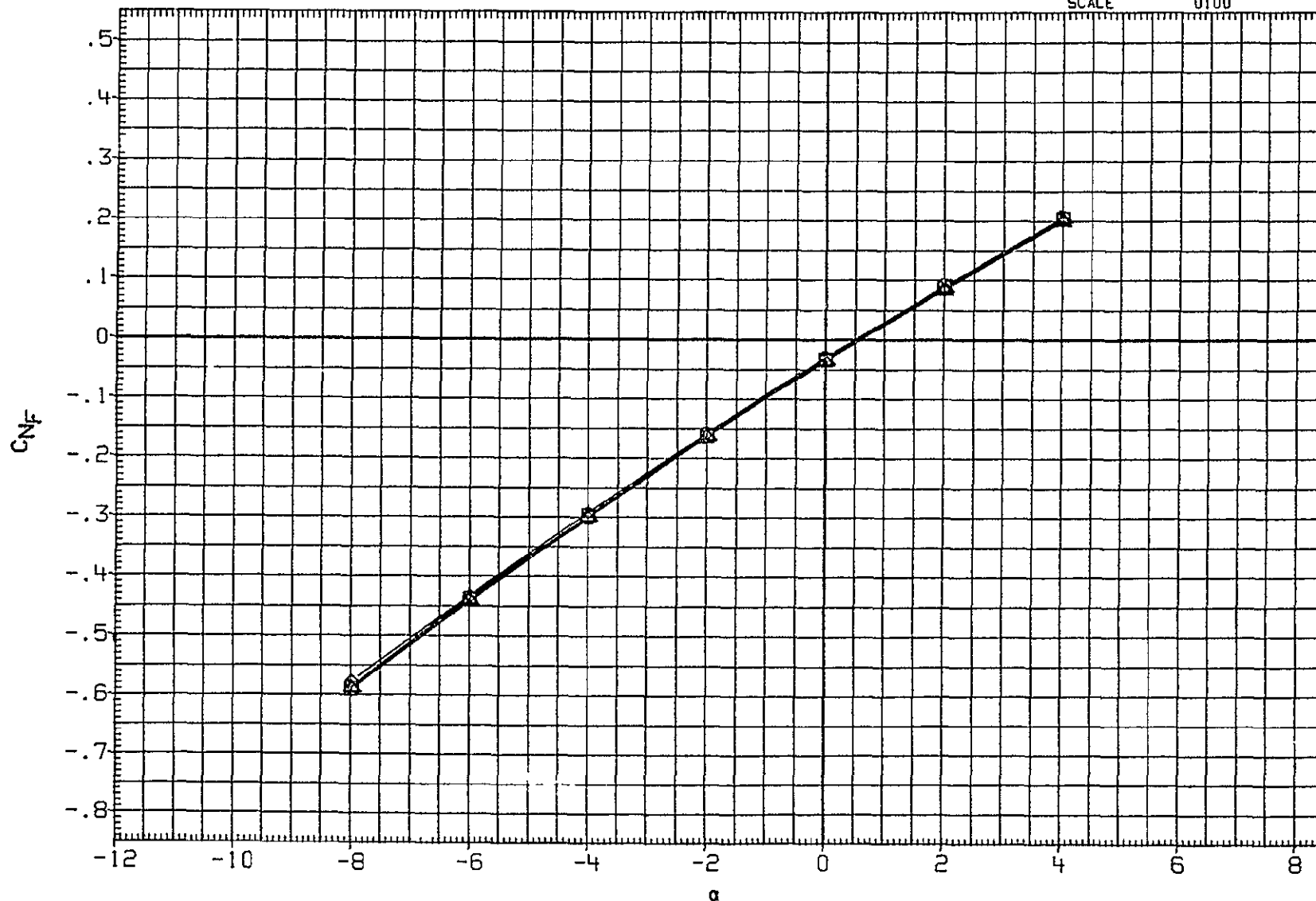


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

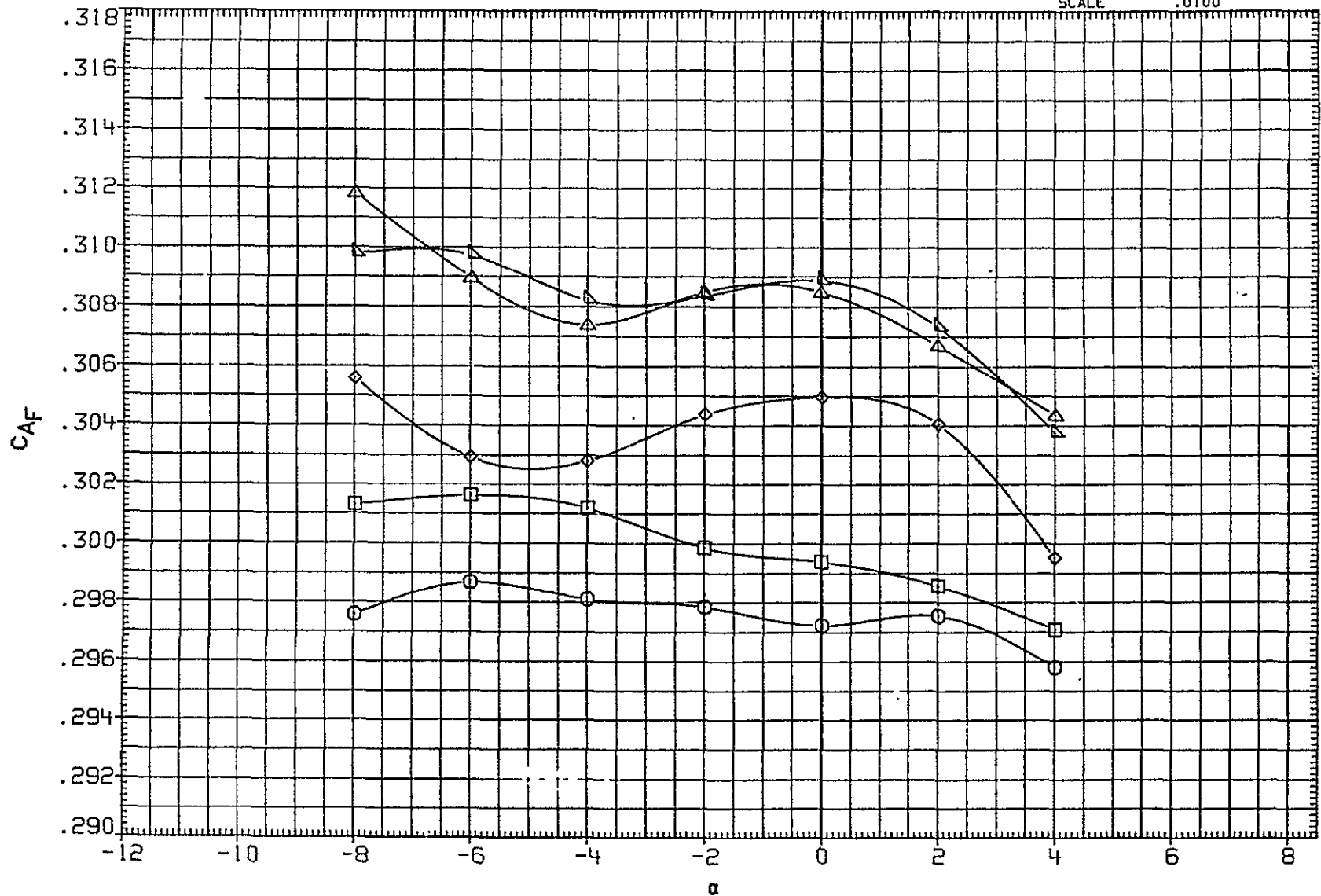


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000 SQ FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000 INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000 INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000 IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000 IN YT
								ZMRP	400.0000 IN. ZT
								SCALE	0.100

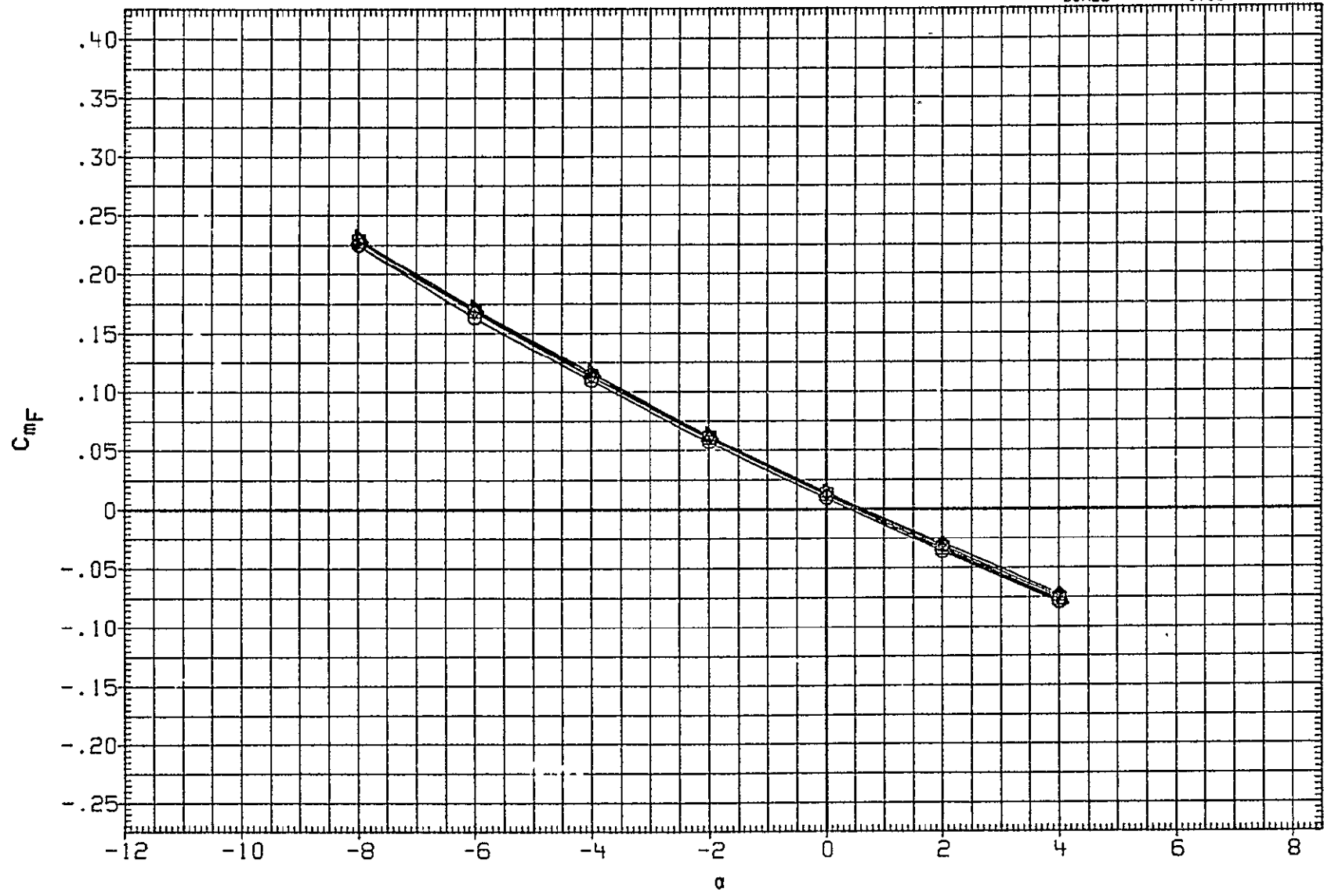


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	50.FT.
MJKB28	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

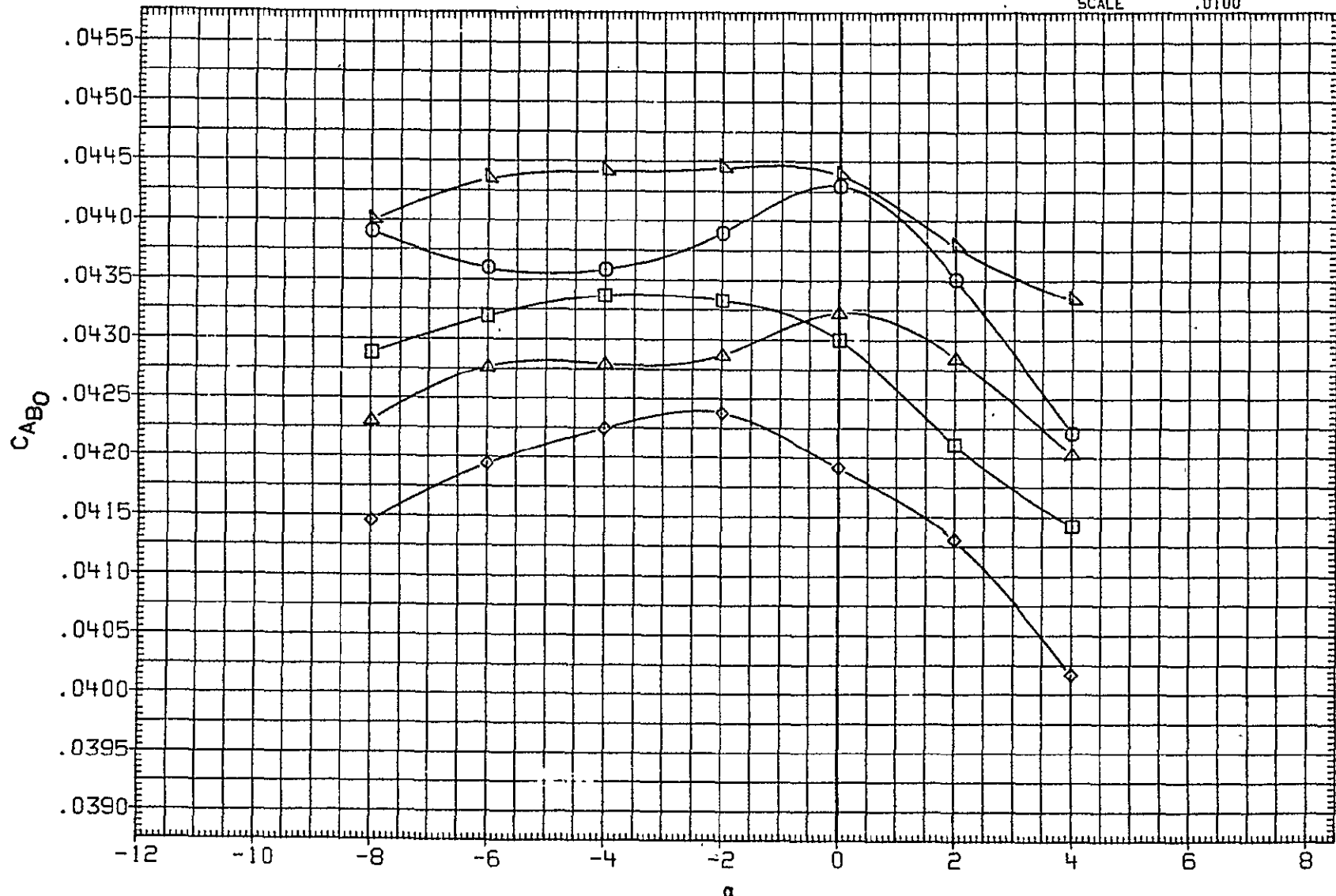


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000 SQ FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000 INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000 INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000 IN XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	0000 IN YT
								ZMRP	400.0000 IN. ZT
								SCALE	0100

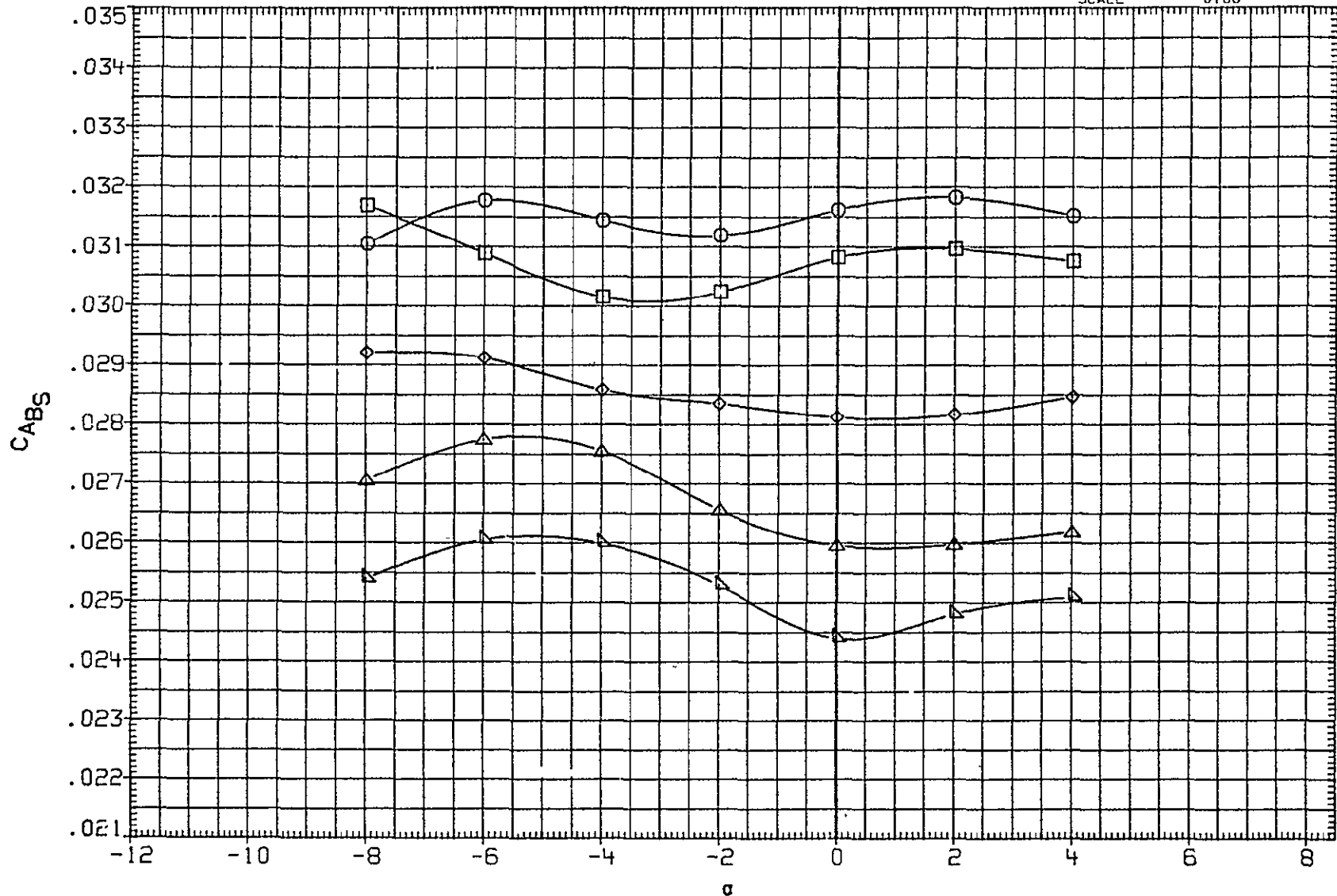


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	50. FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

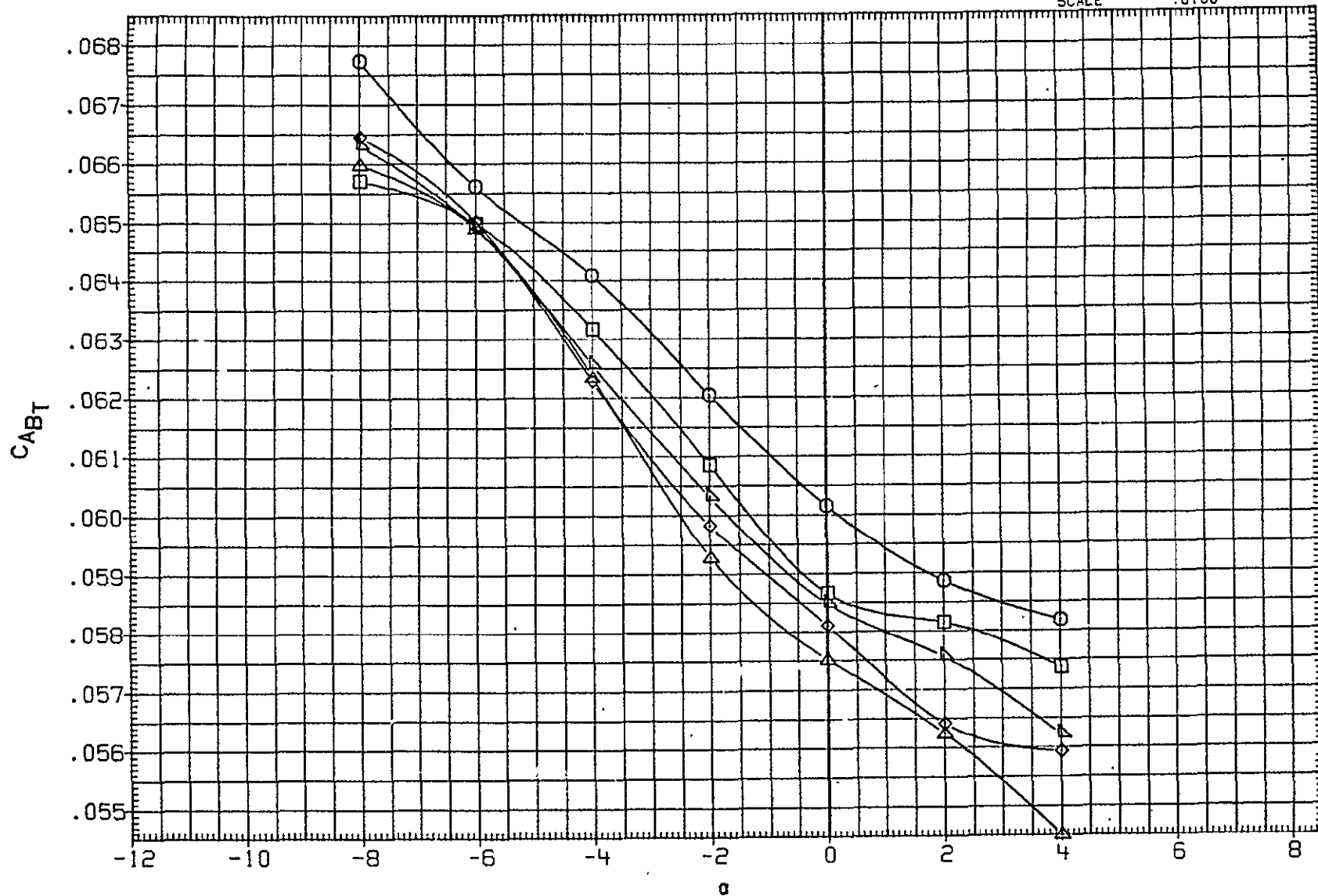


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJK832	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000 SQ.FT.
MJK833	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000 INCHES
MJK834	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	-10.000	12.000	-10.000	BREF	976.0000 IN. XT
MJK835	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	YMRP	0000 IN. YT
MJK836	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	ZMRP	400.0000 IN ZT
							SCALE	0100

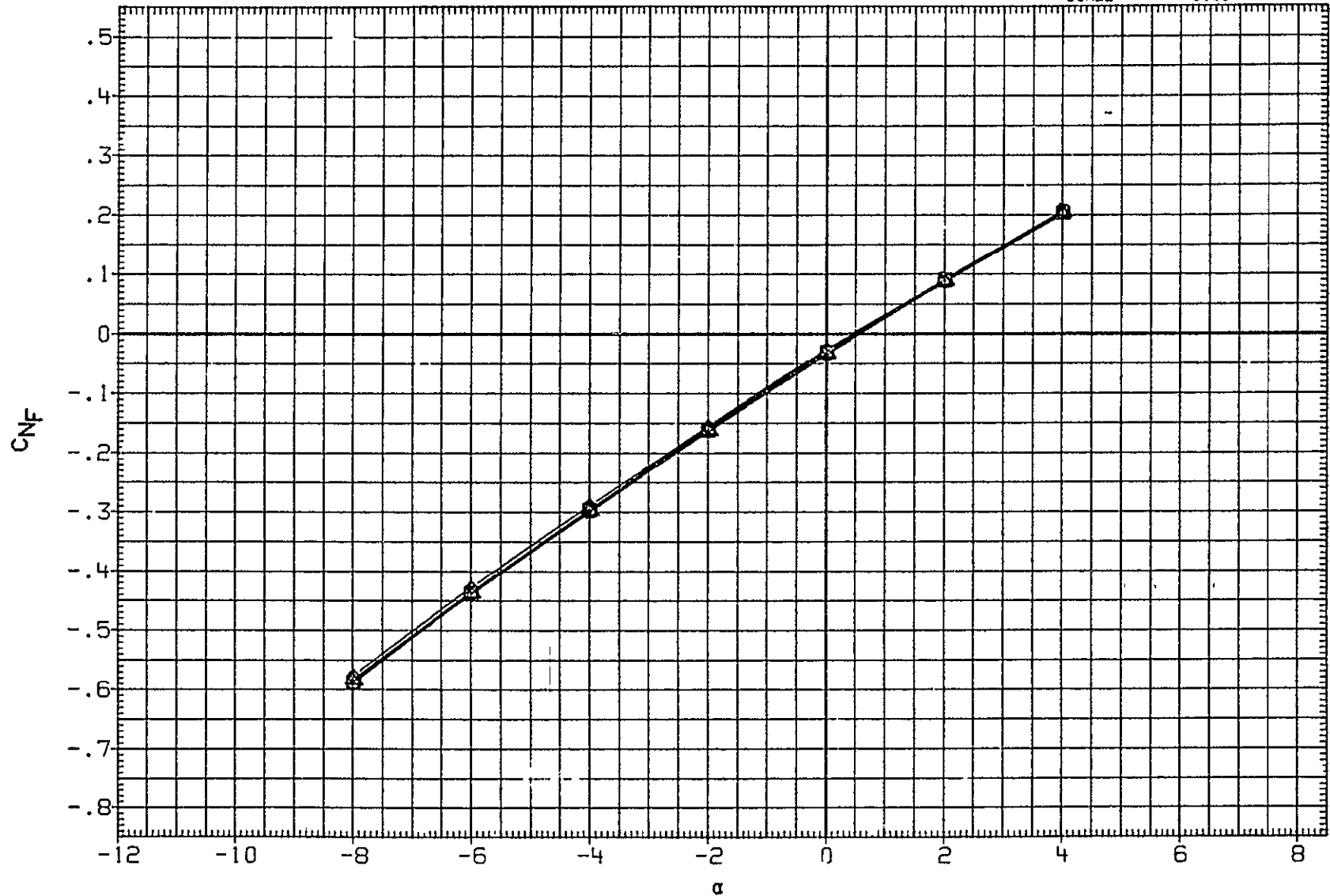


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

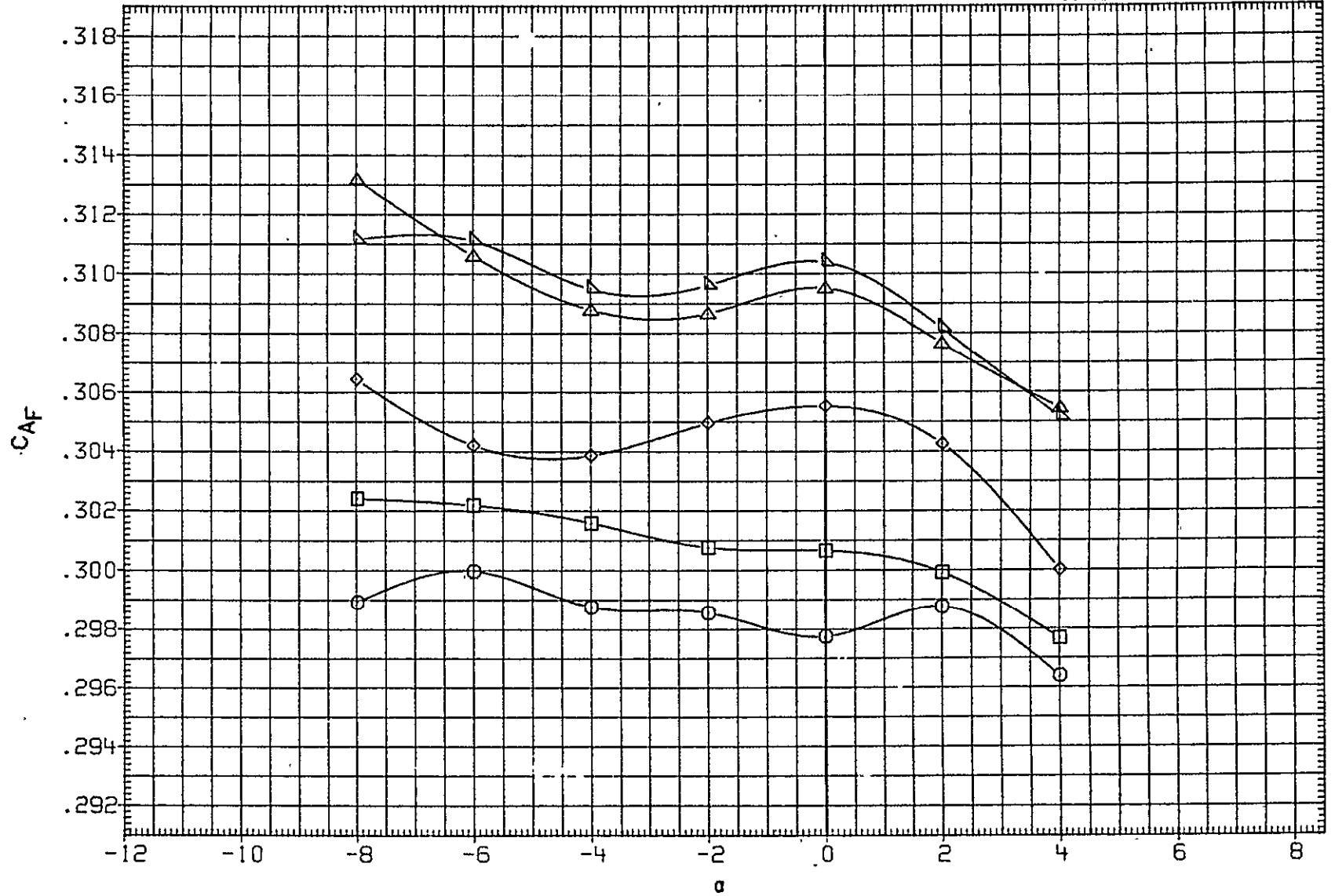


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152 (1A94A) OTSAT 130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□	LARC UPWT 1152 (1A94A) OTSAT 130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152 (1A94A) OTSAT 130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152 (1A94A) OTSAT 130	4.000	12.000	-10.000	12.000	-10.000	XMRP	975.0000	IN. XT
MJKB36	▽	LARC UPWT 1152 (1A94A) OTSAT 130	6.000	12.000	-10.000	12.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

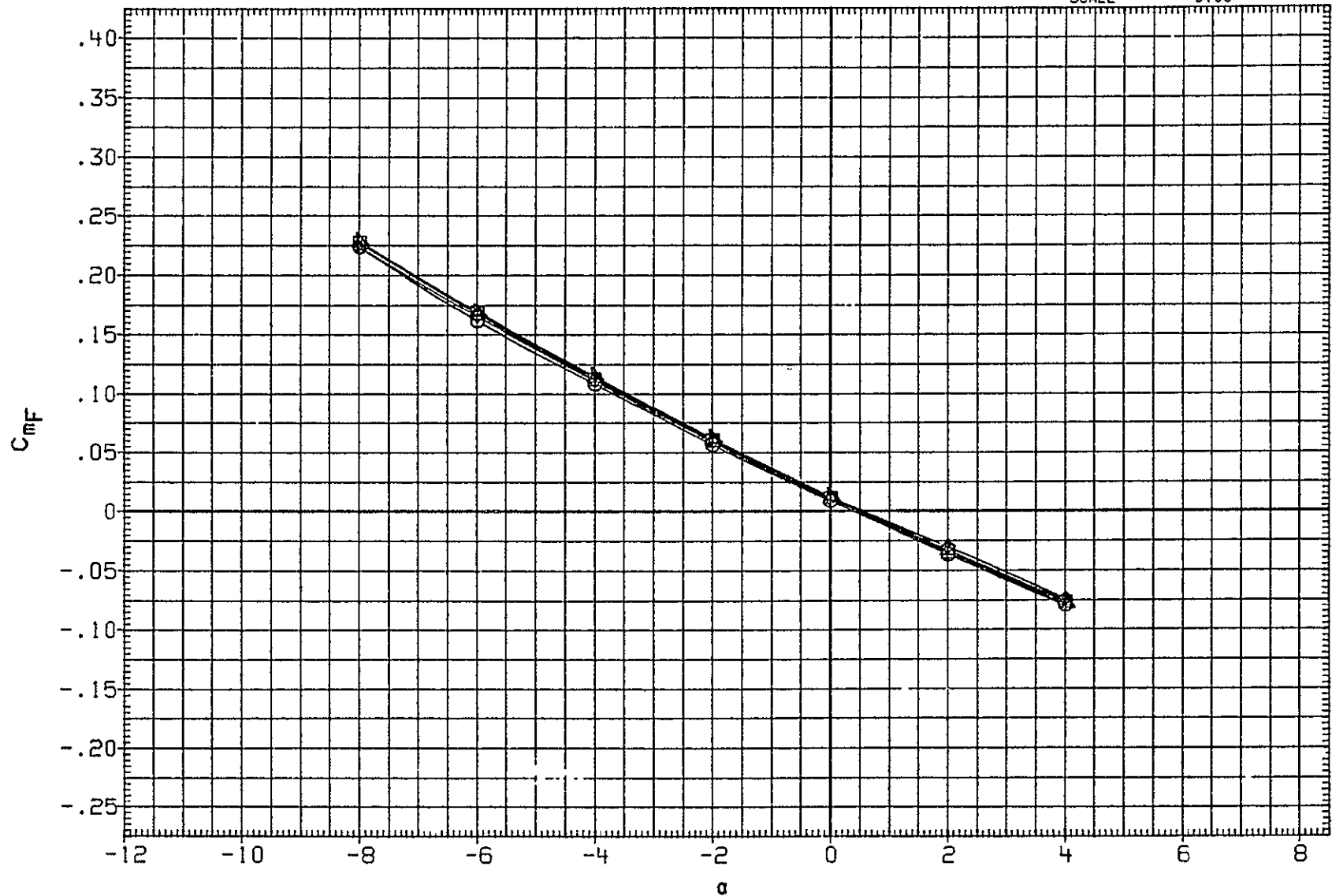


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	50. FT.
MJKB33	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

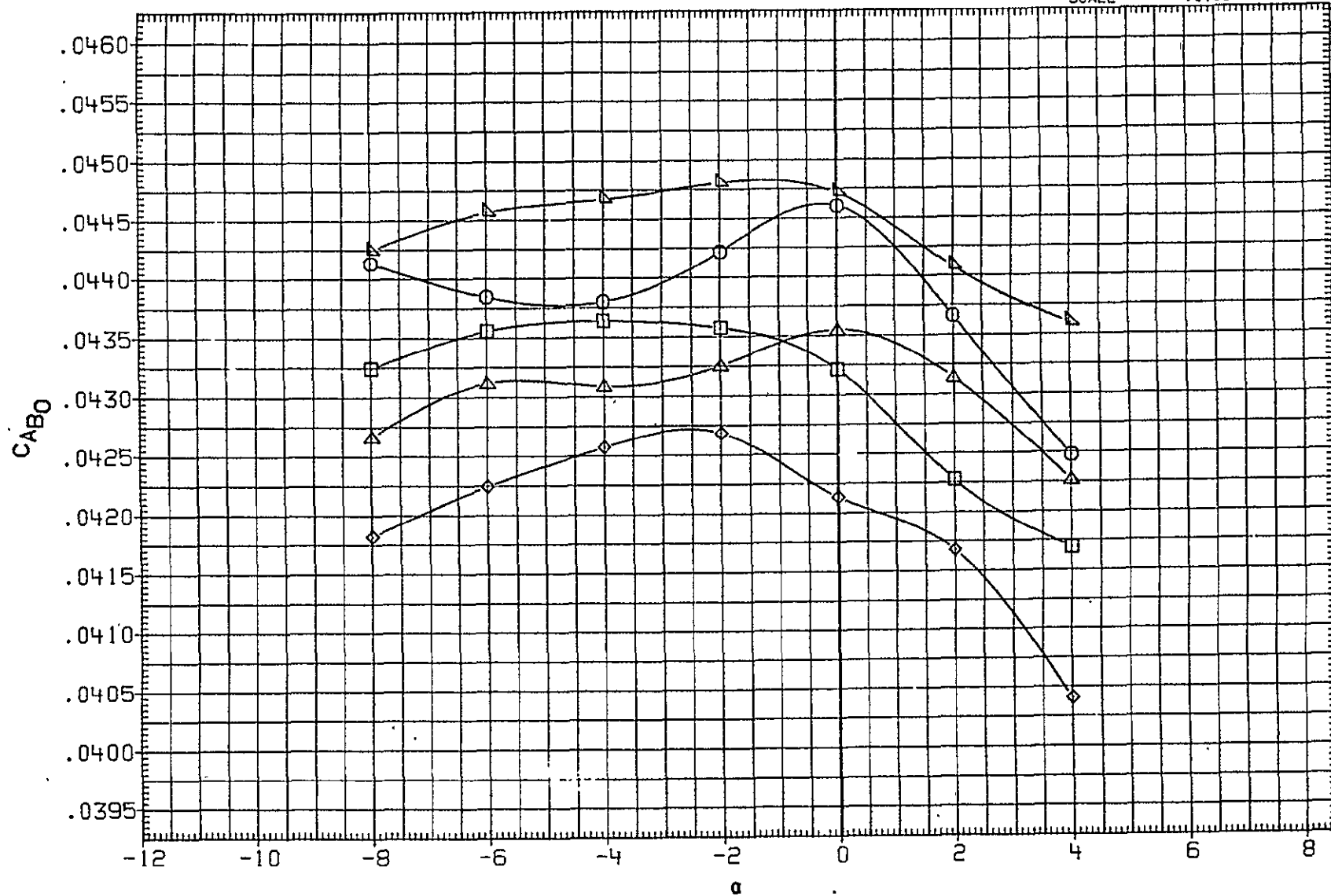


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ. FT
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES	
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	0.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

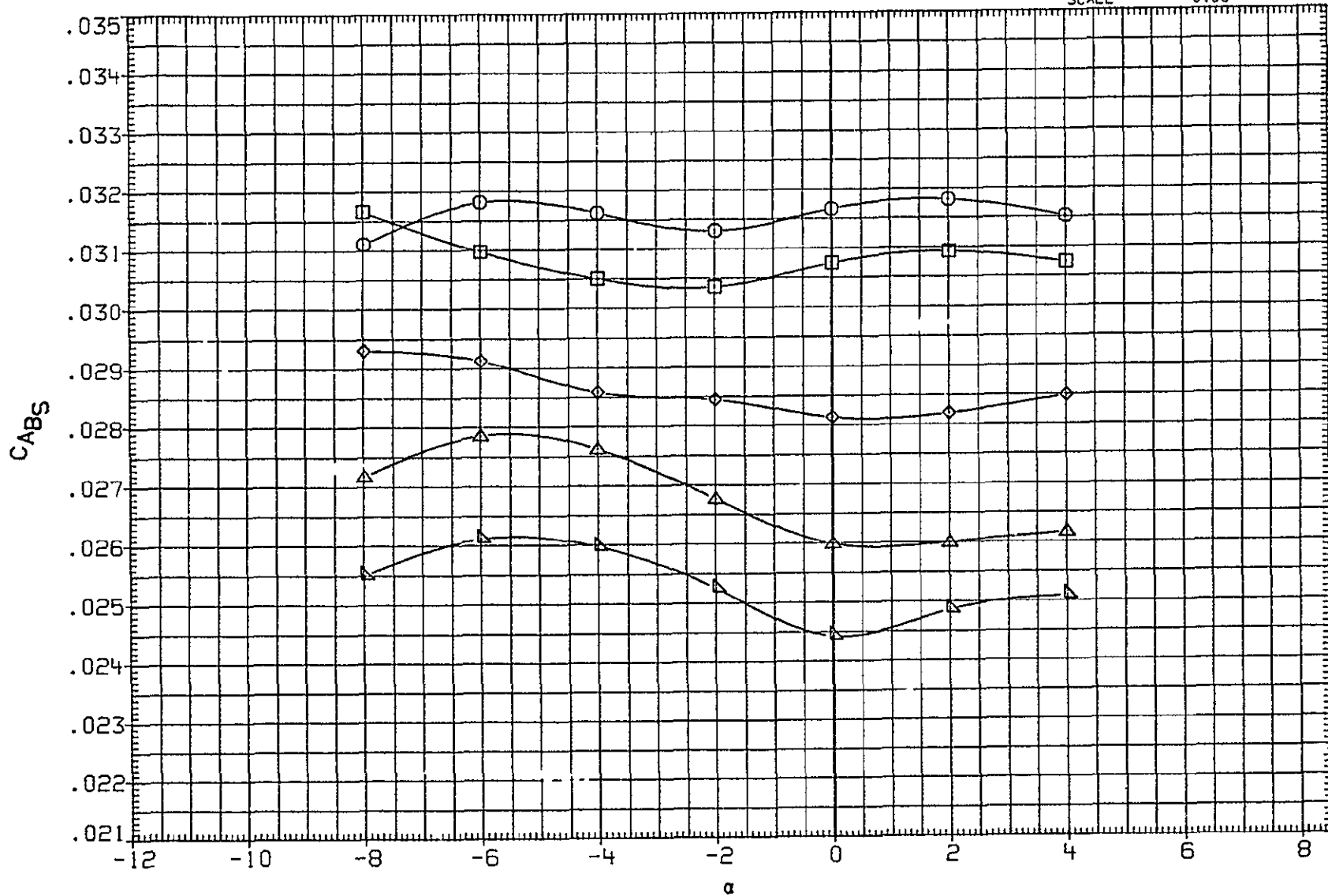


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	50. FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

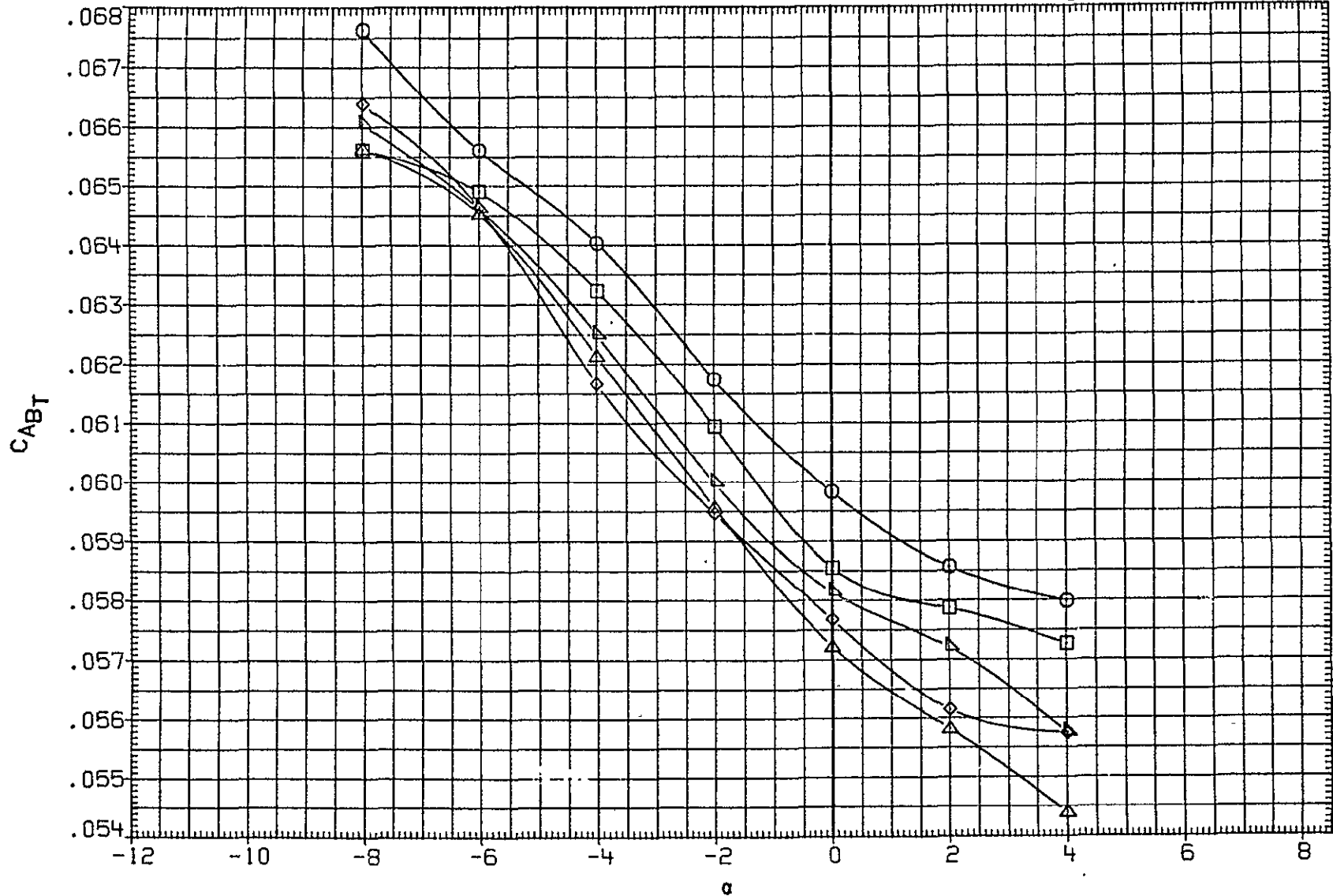


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-5.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

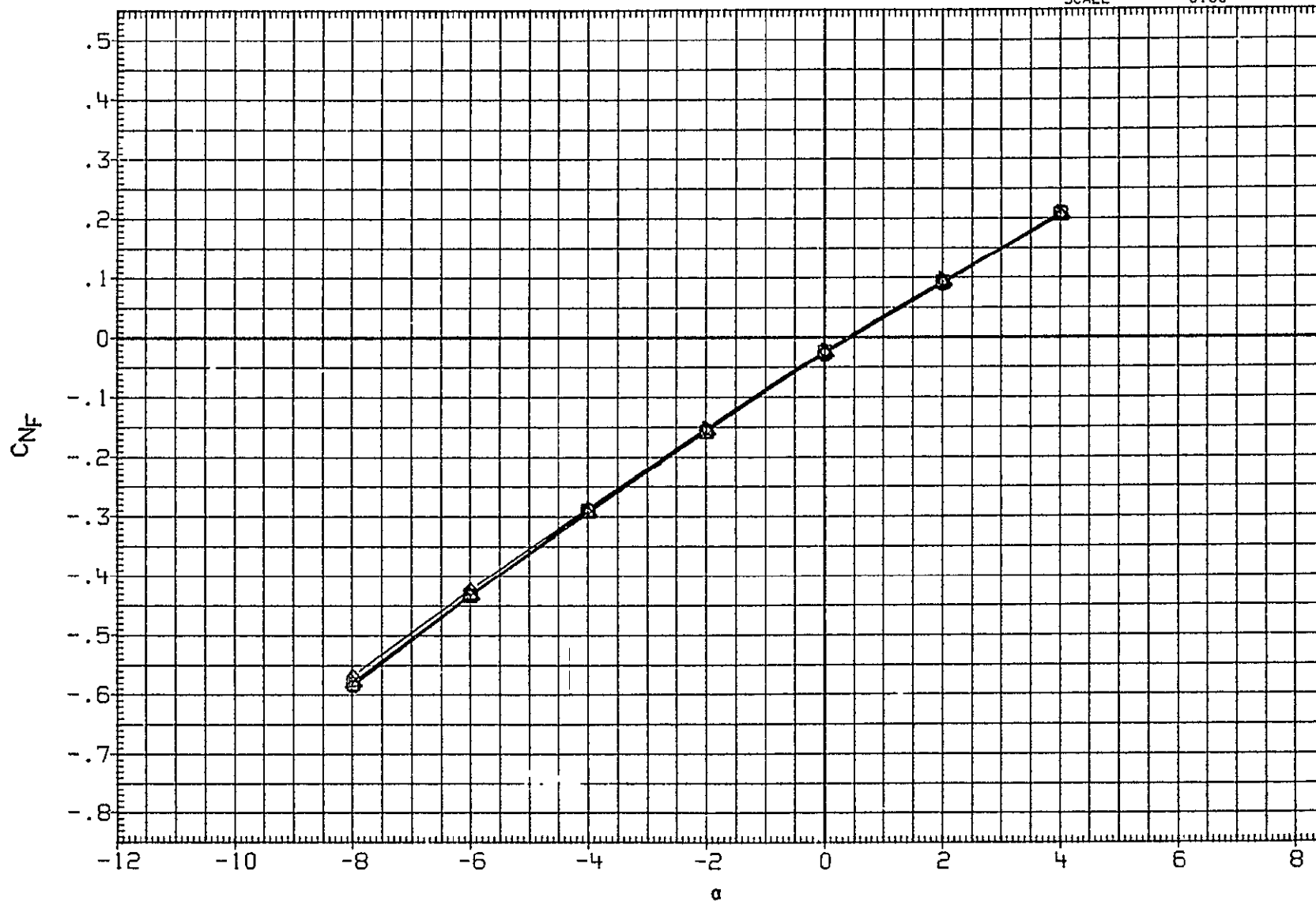


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB37	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000 SQ.FT.
MJKB39	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000 INCHES
MJKB39	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000 INCHES
MJKB40	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMPP	976.0000 IN. XT
MJKB41	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000 IN. YT
							ZMRP	400.0000 IN. ZT
							SCALE	.0100

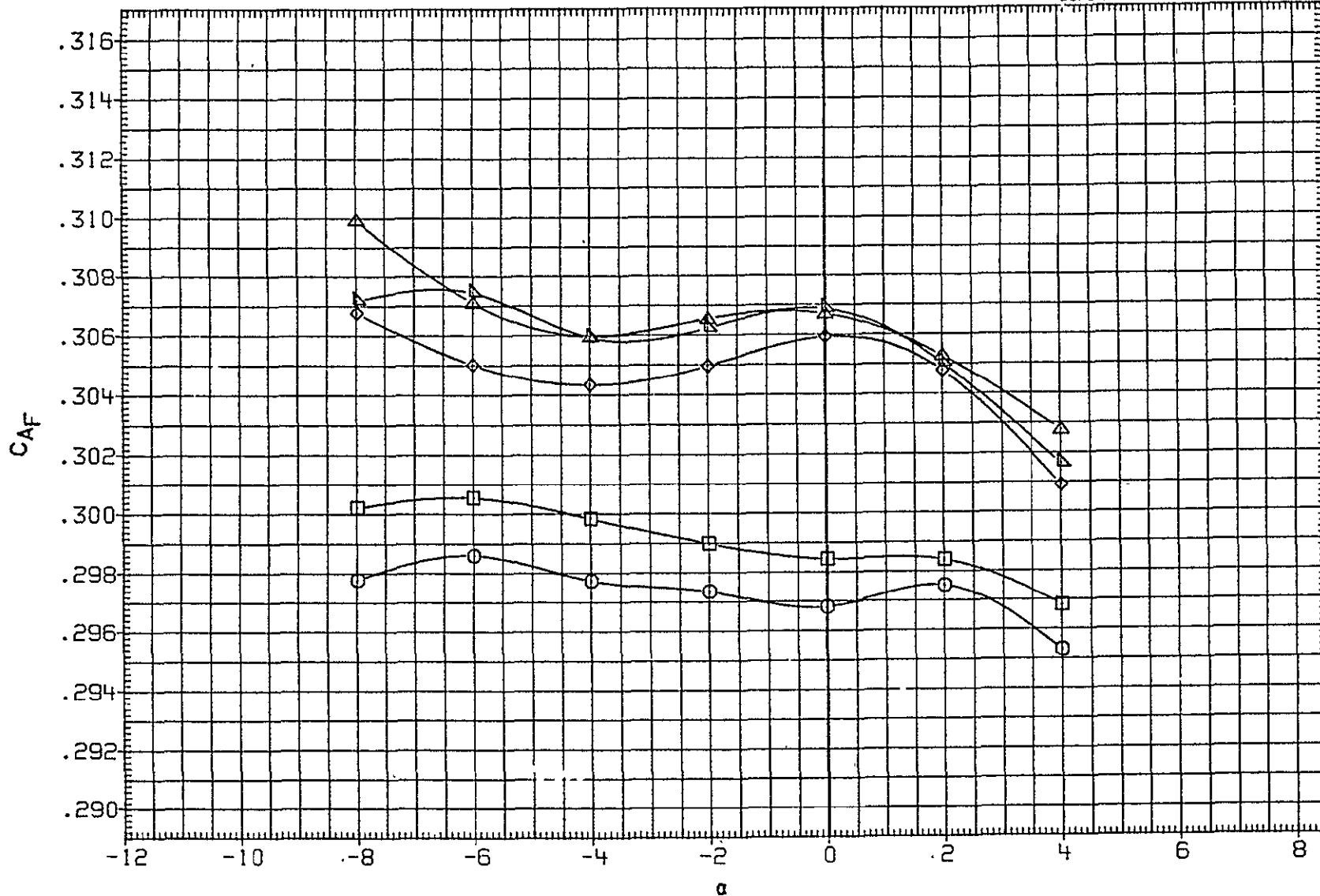


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152 (A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ FT.
MJKB38	□	LARC UPWT 1152 (A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152 (A94A) OTSAT130	0.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152 (A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152 (A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

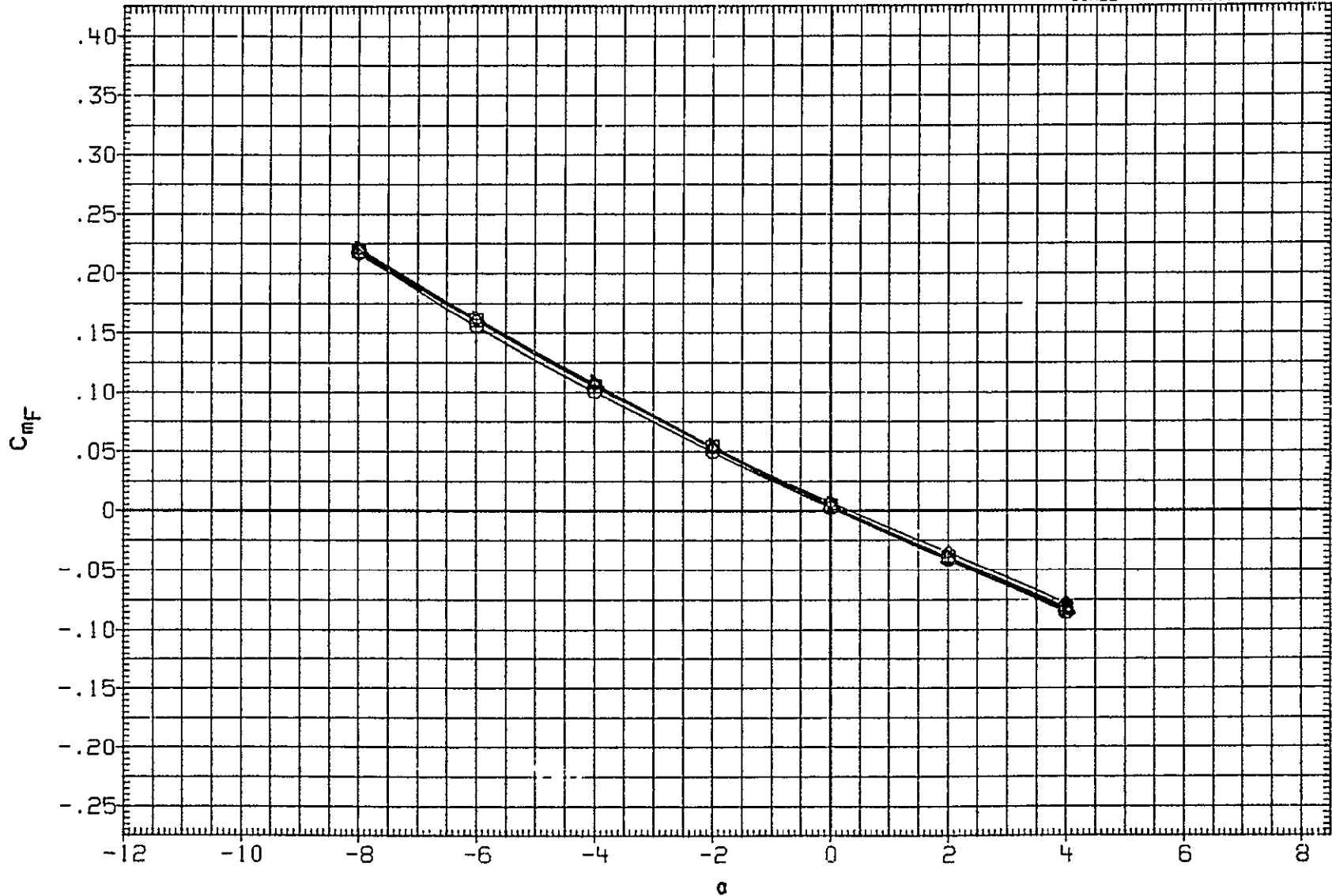


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

2.0

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB37	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB38	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

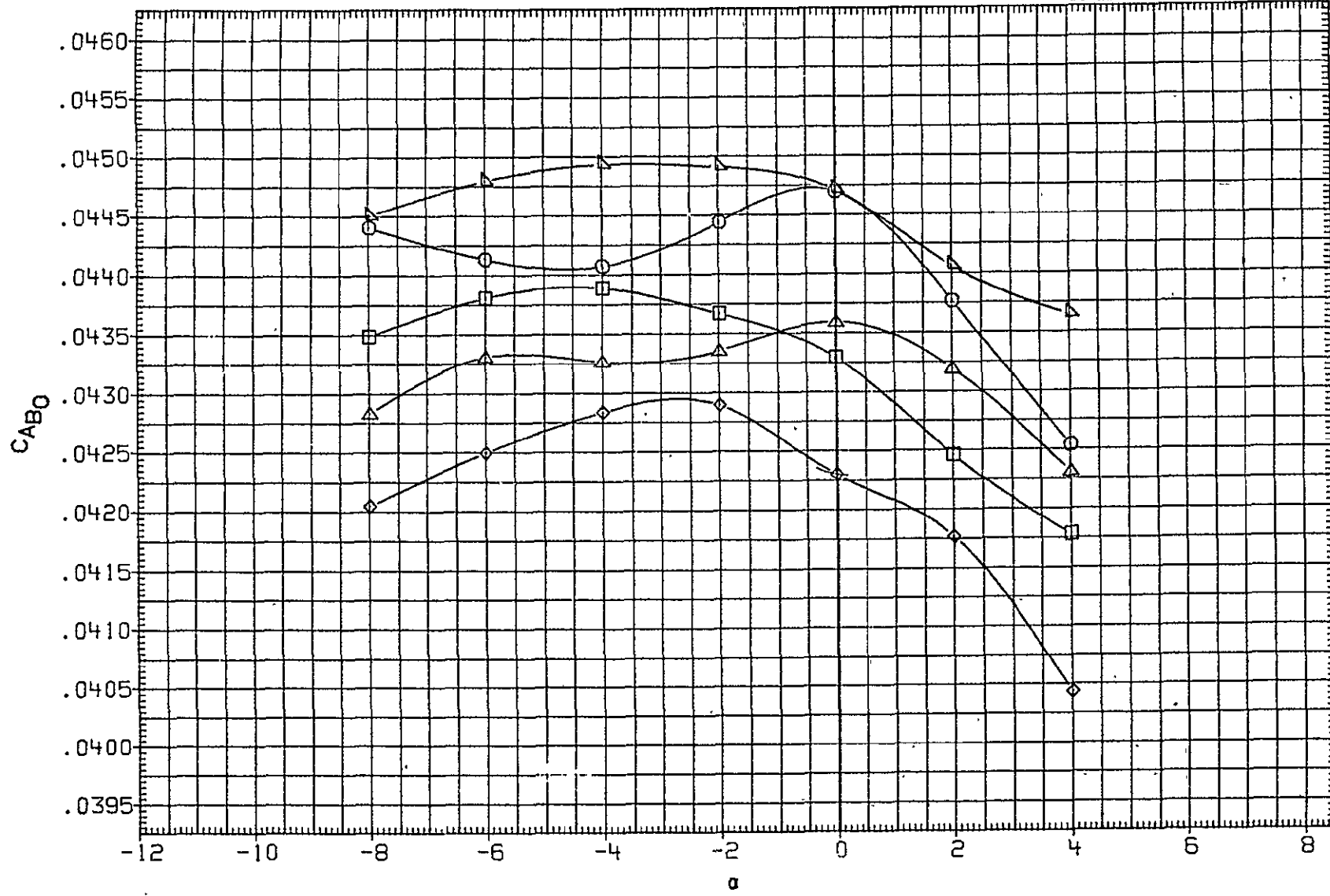


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ FT
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

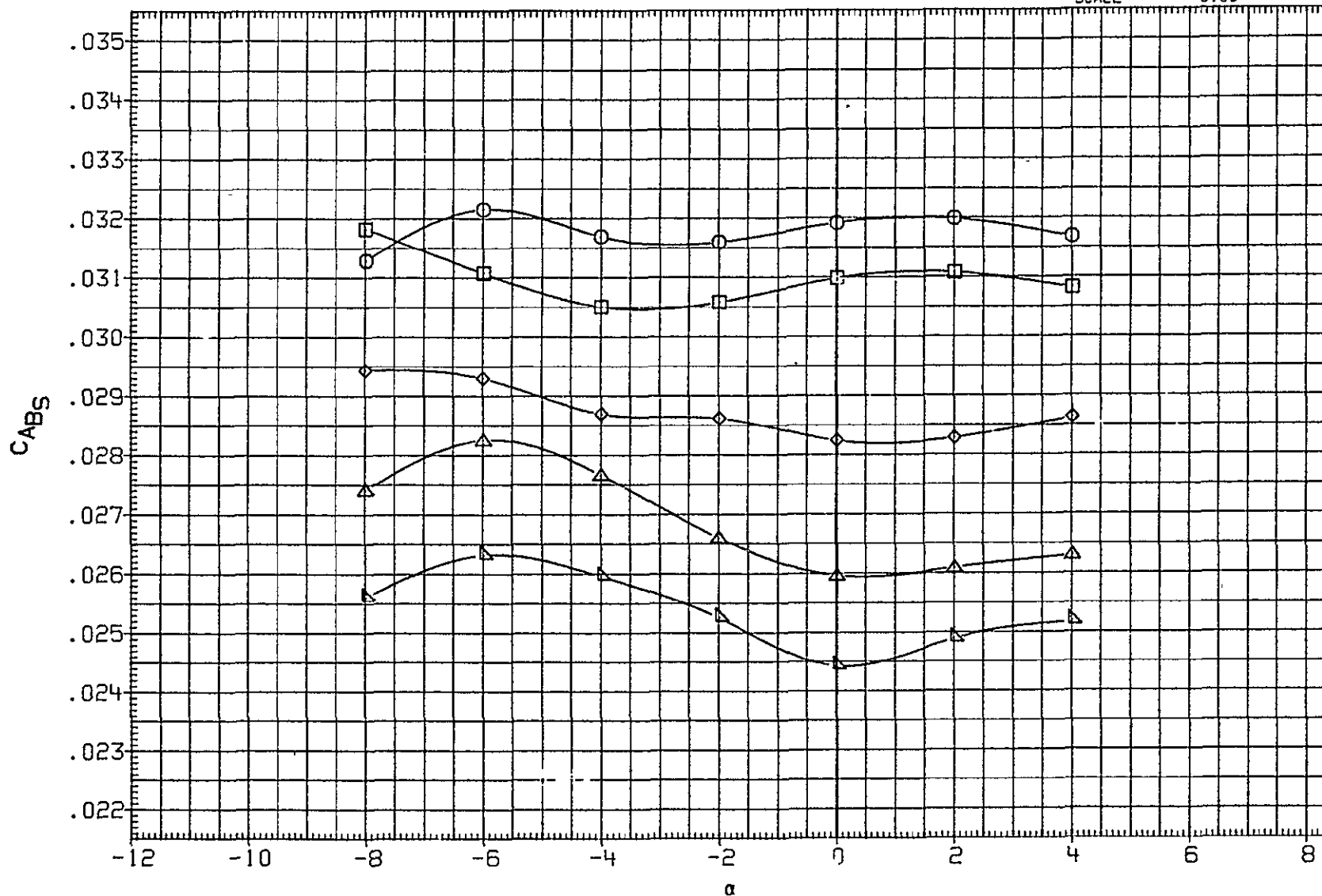


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB38	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

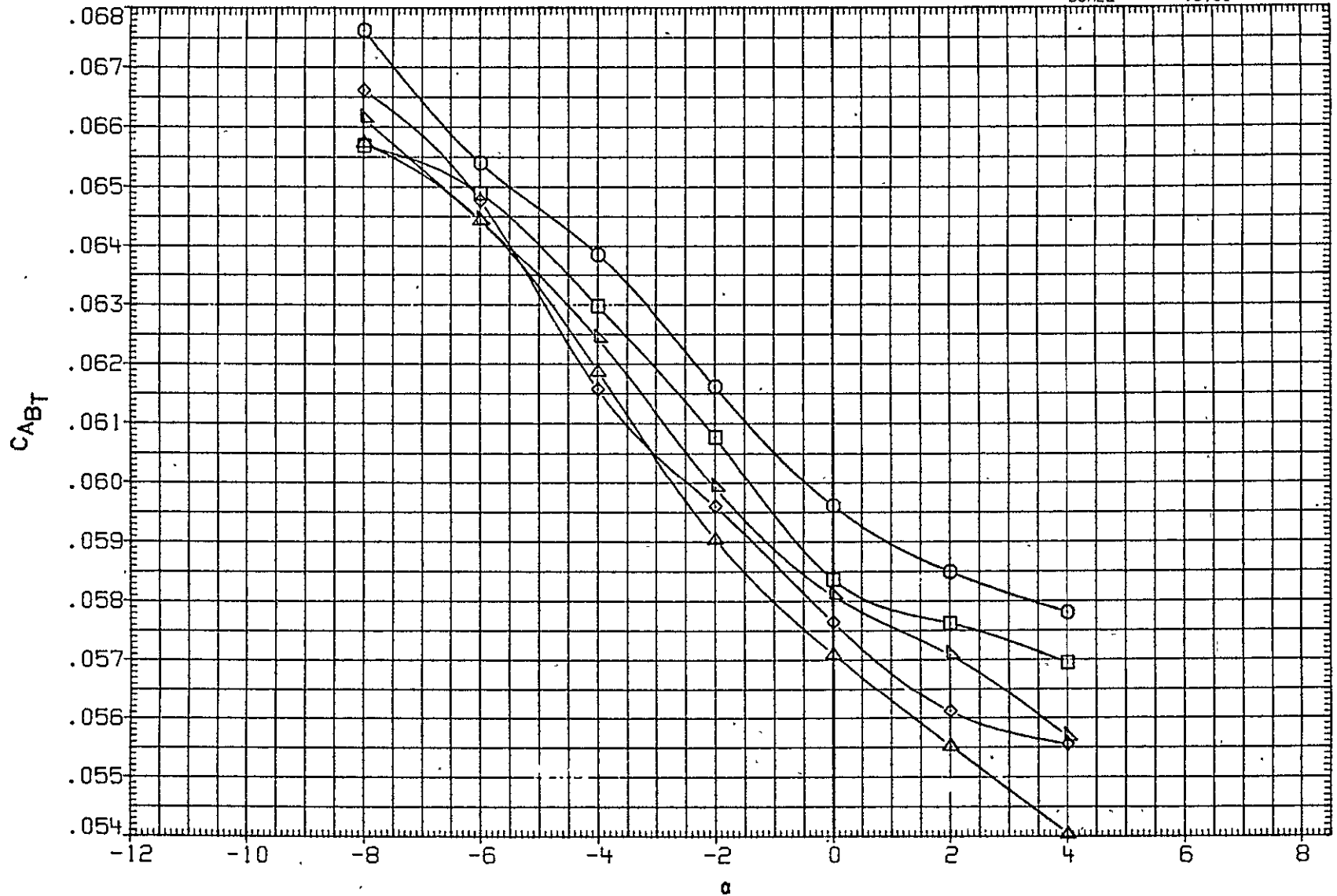


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○ LARC UPWT 1152(1A94A) OTSAT130	-6 000	12.000	2.000	12.000	2 000	SREF	2690.0000	SQ.FT.
MJKB43	□ LARC UPWT 1152(1A94A) OTSAT130	-4 000	12 000	2.000	12 000	2 000	LREF	1290.3000	INCHES
MJKB44	◇ LARC UPWT 1152(1A94A) OTSAT130	000	12 000	2.000	12 000	2 000	BREF	1290.3000	INCHES
MJKB45	△ LARC UPWT 1152(1A94A) OTSAT130	4 000	12 000	2.000	12 000	2 000	XMRP	976 0000	IN XT
MJKB46	▽ LARC UPWT 1152(1A94A) OTSAT130	6 000	12 000	2 000	12 000	2.000	YMRP	.0000	IN YT
							ZMRP	400 0000	IN ZT
							SCALE	0100	

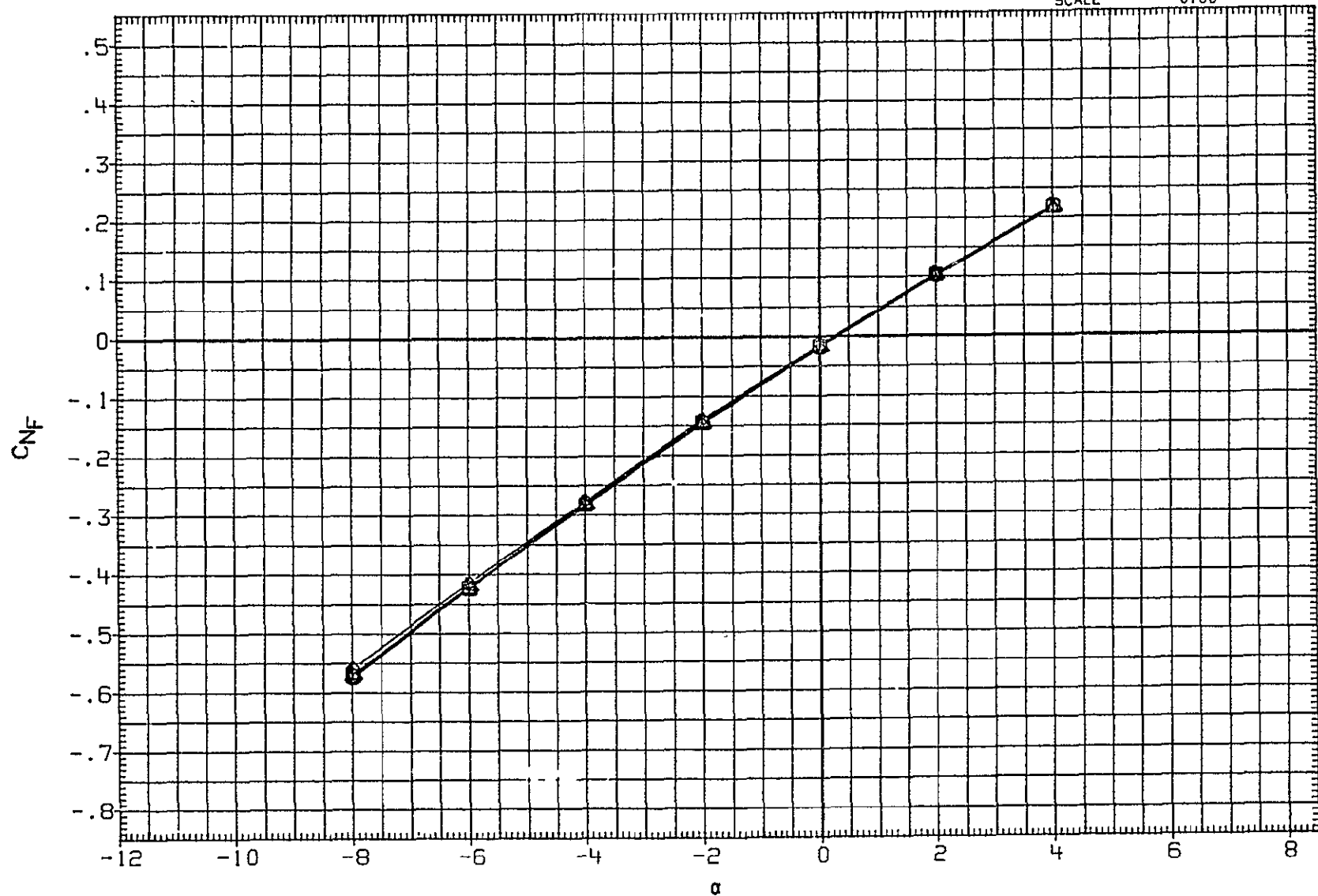


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

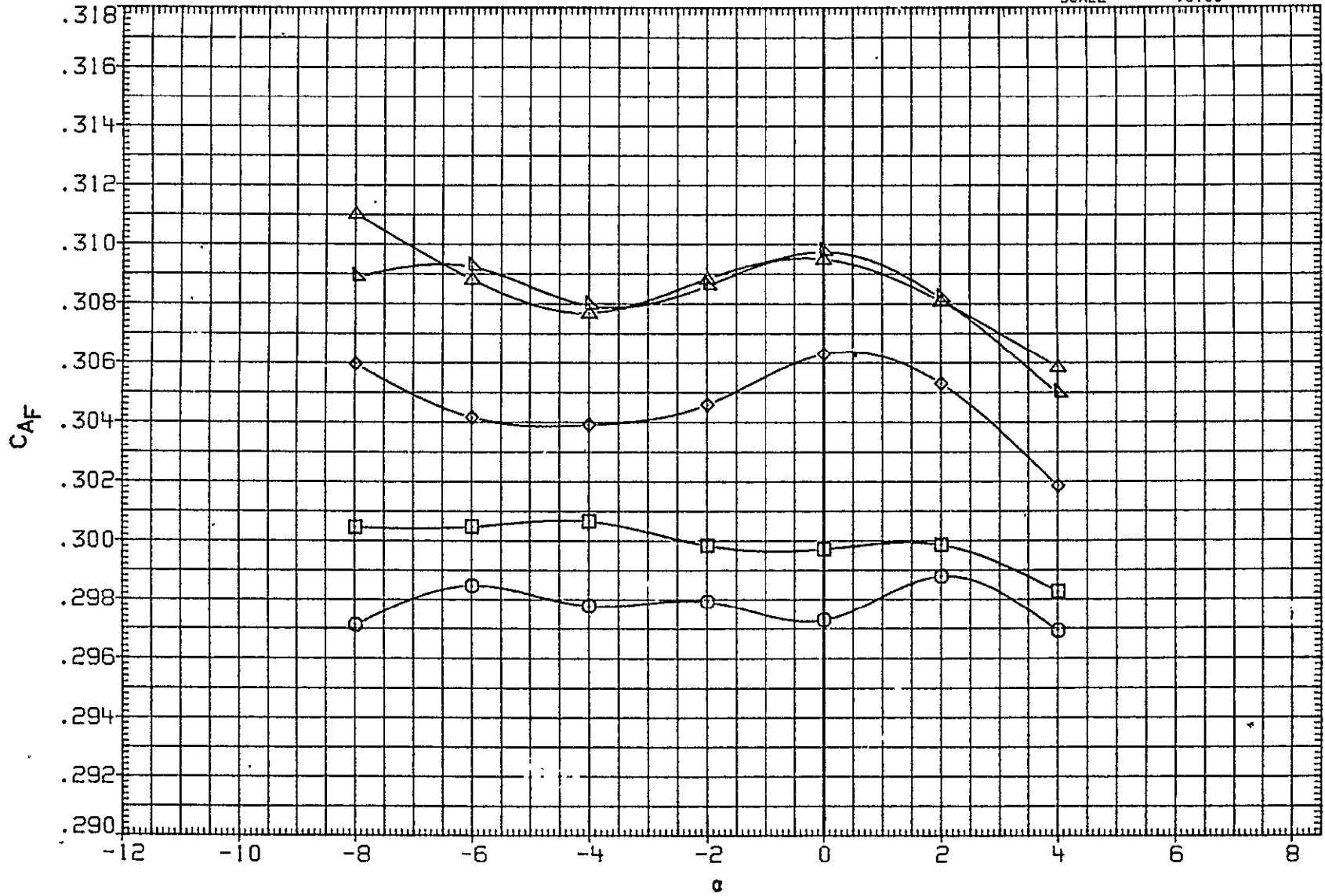


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

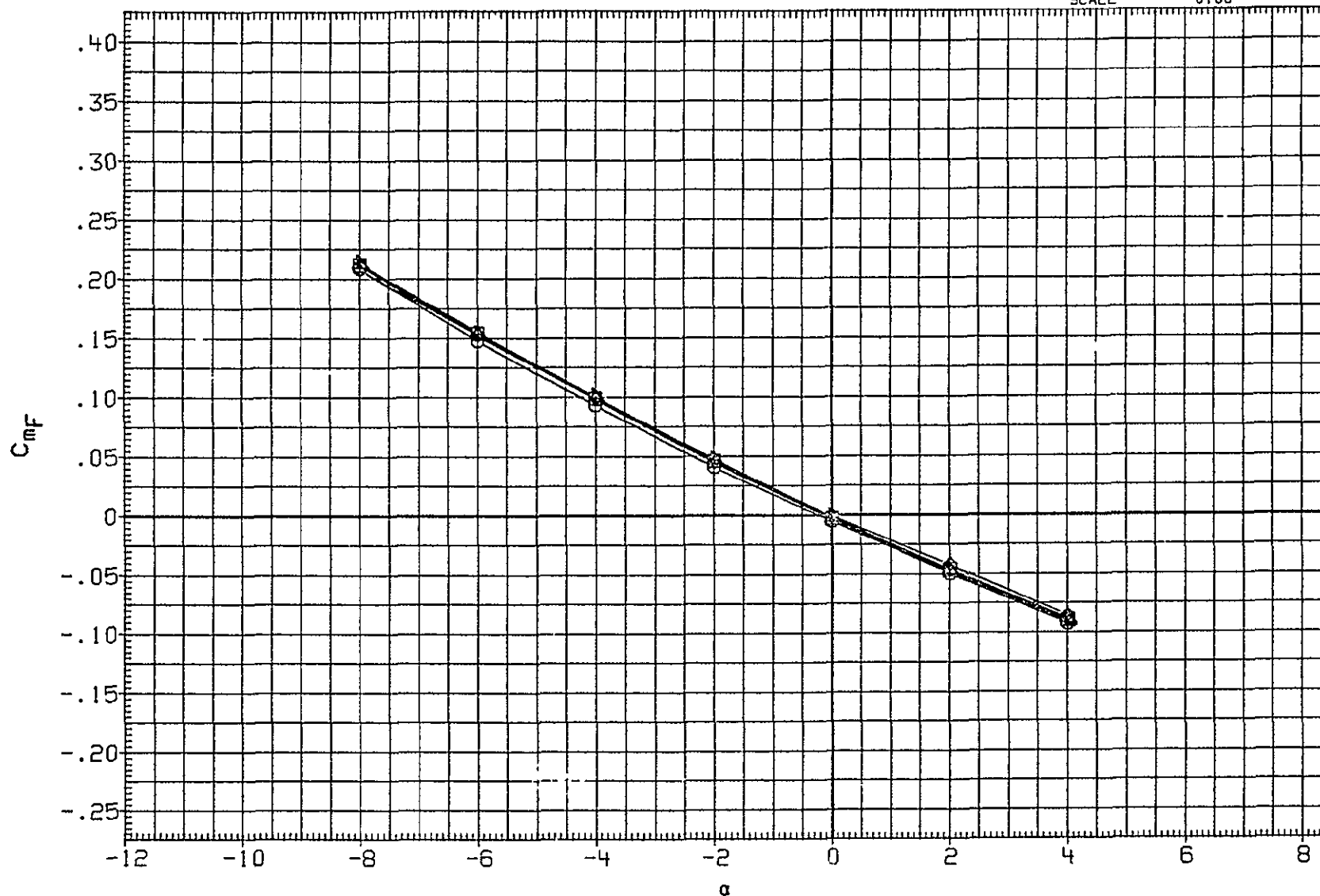


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

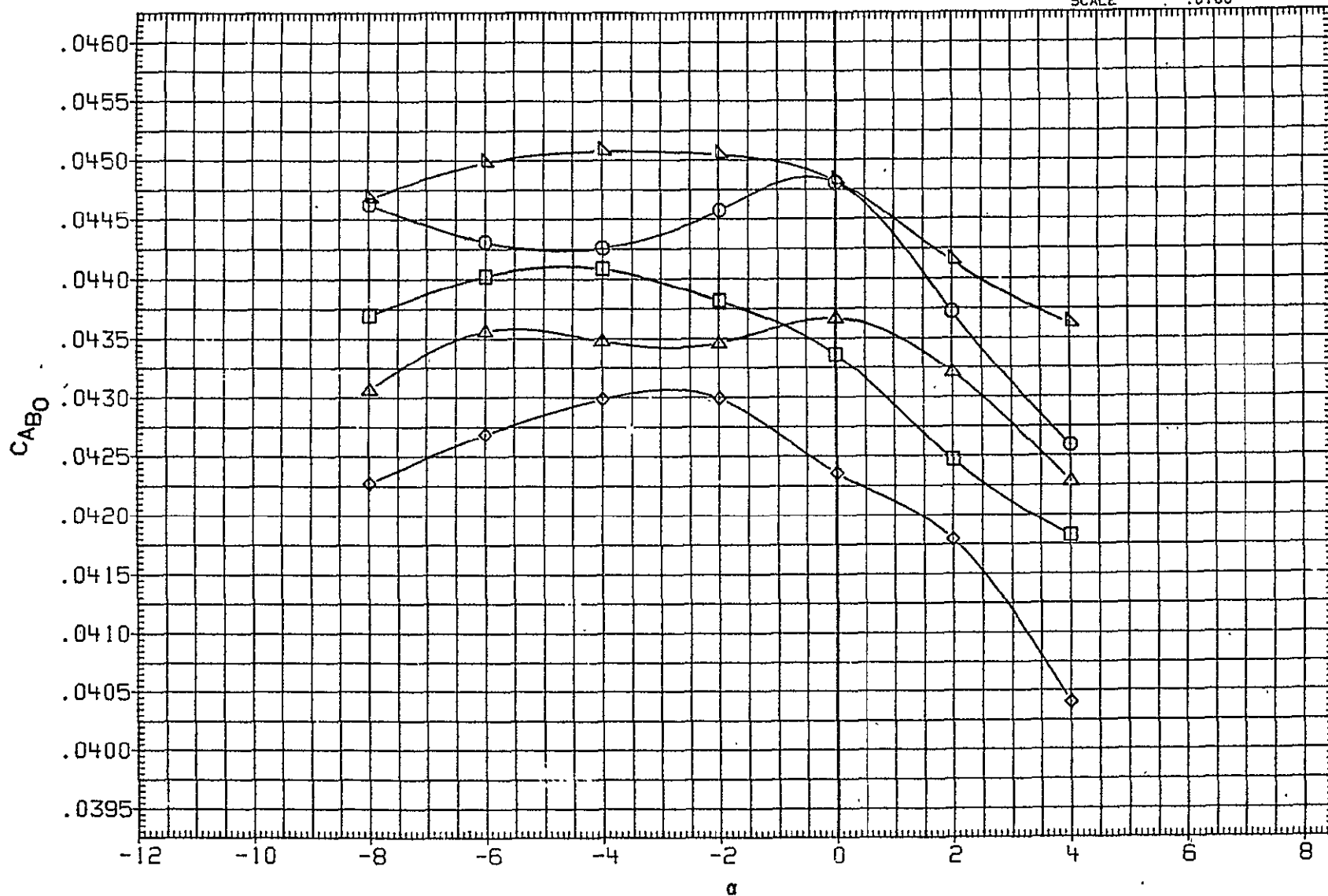


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

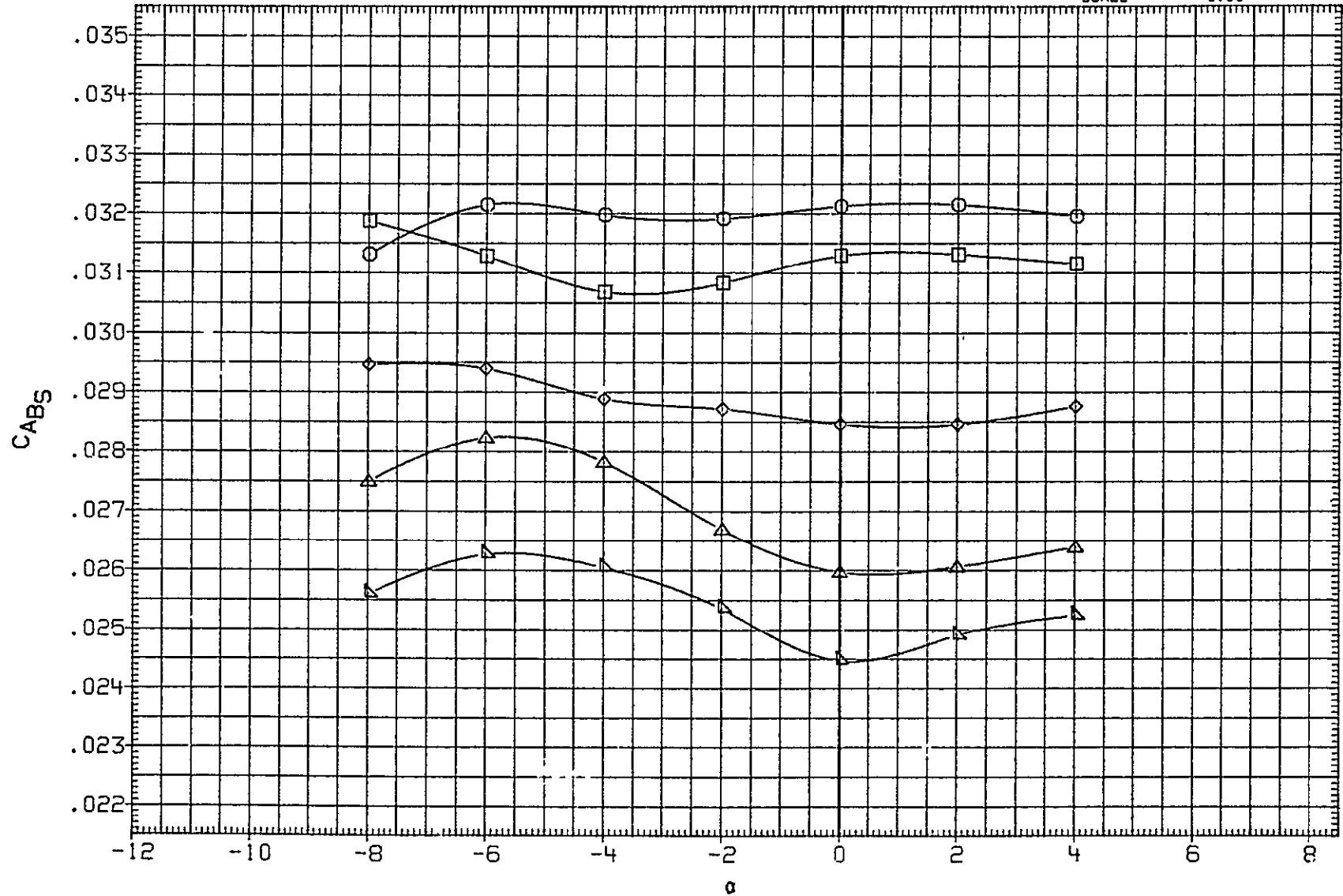


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50. FT.
MJKB43	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	



FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN YT
								ZMRP	400.0000	IN ZT
								SCALE	0.100	

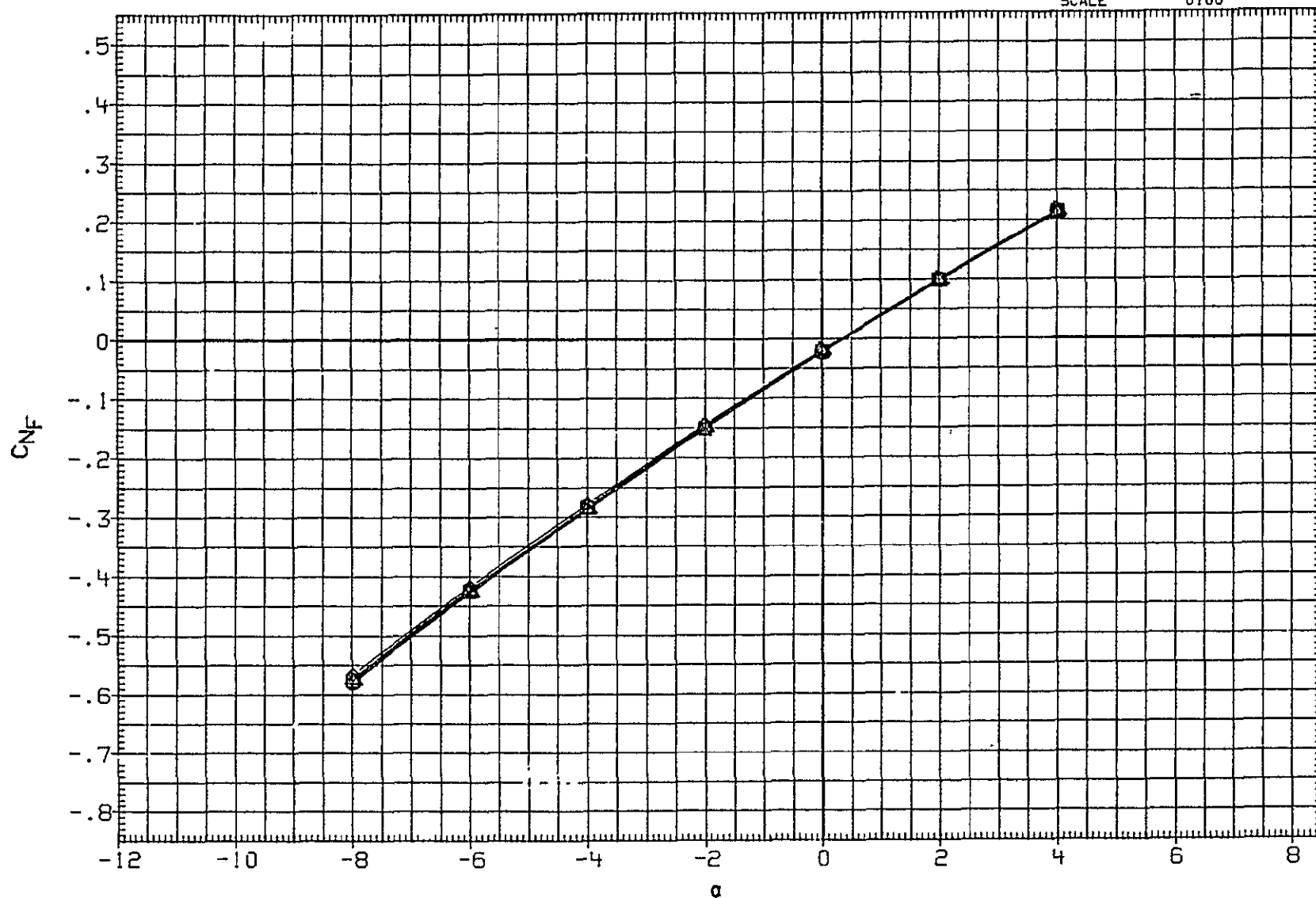


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB47	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	50. FT.
MJKB48	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

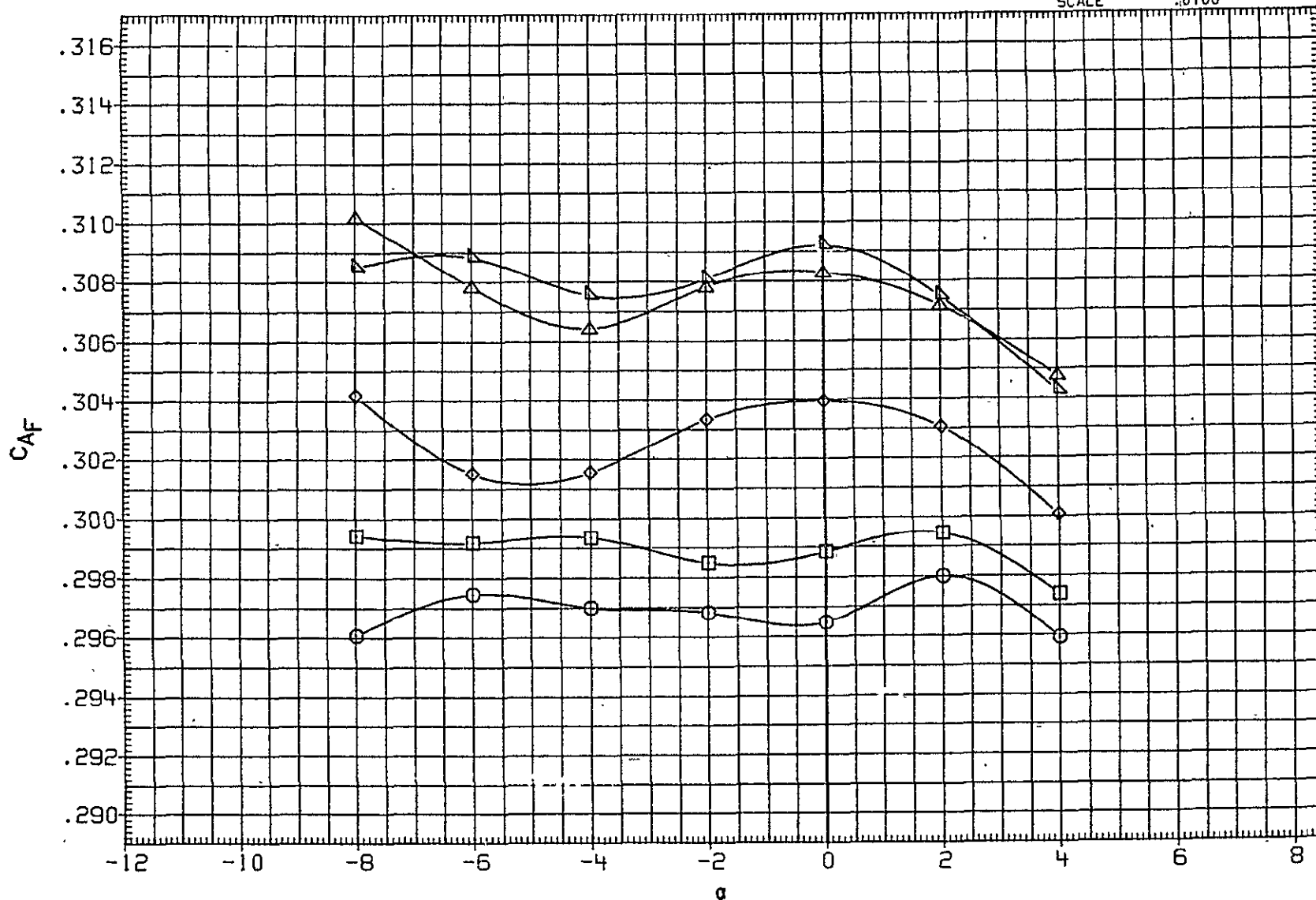


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMPP	400.0000	IN. ZT
								SCALE	0100	

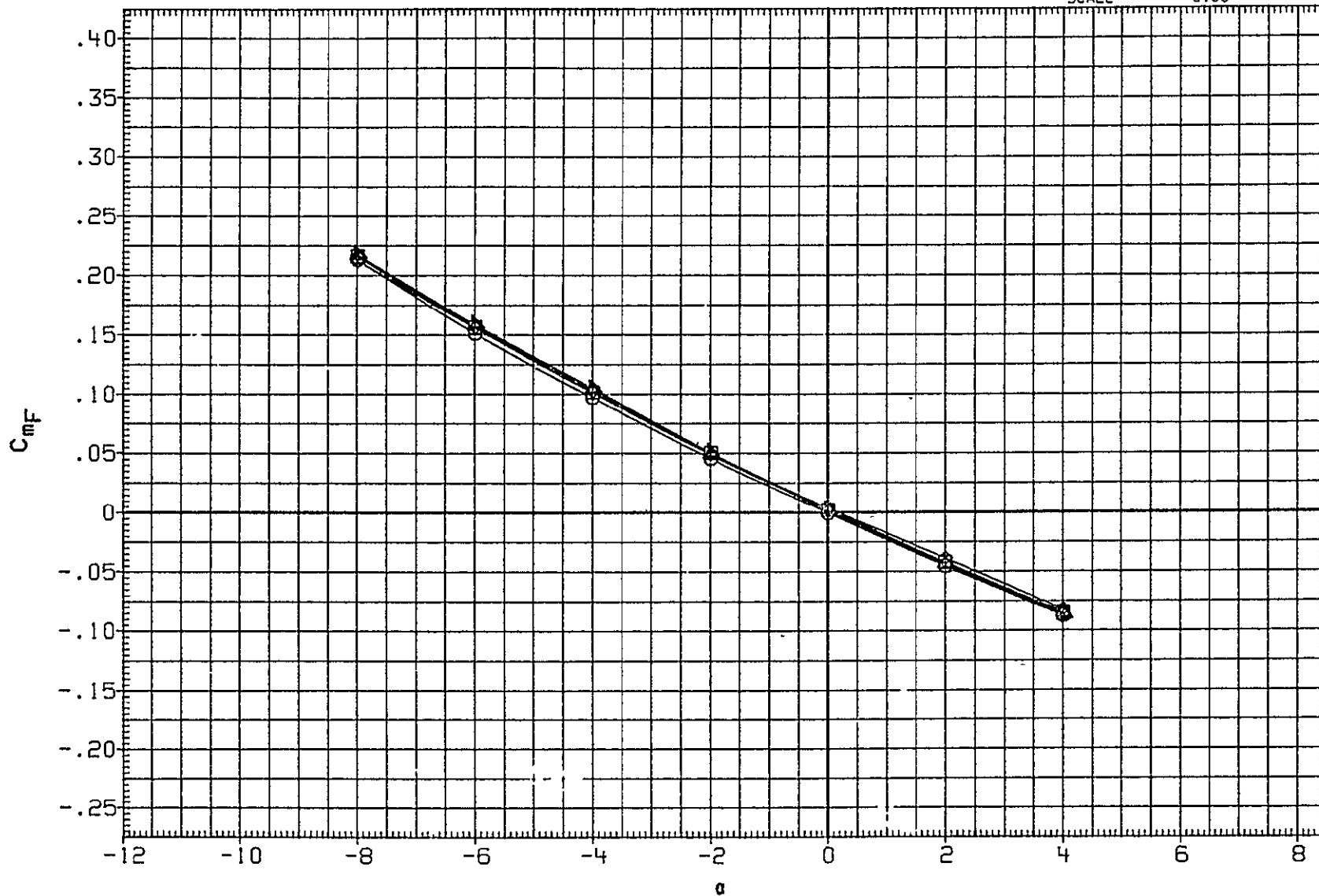


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION
MJKB47	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF 2690.0000 SQ.FT.
MJKB48	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF 1290.3000 INCHES
MJKB49	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF 1290.3000 INCHES
MJKB50	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP 976.0000 IN. XT
MJKB51	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

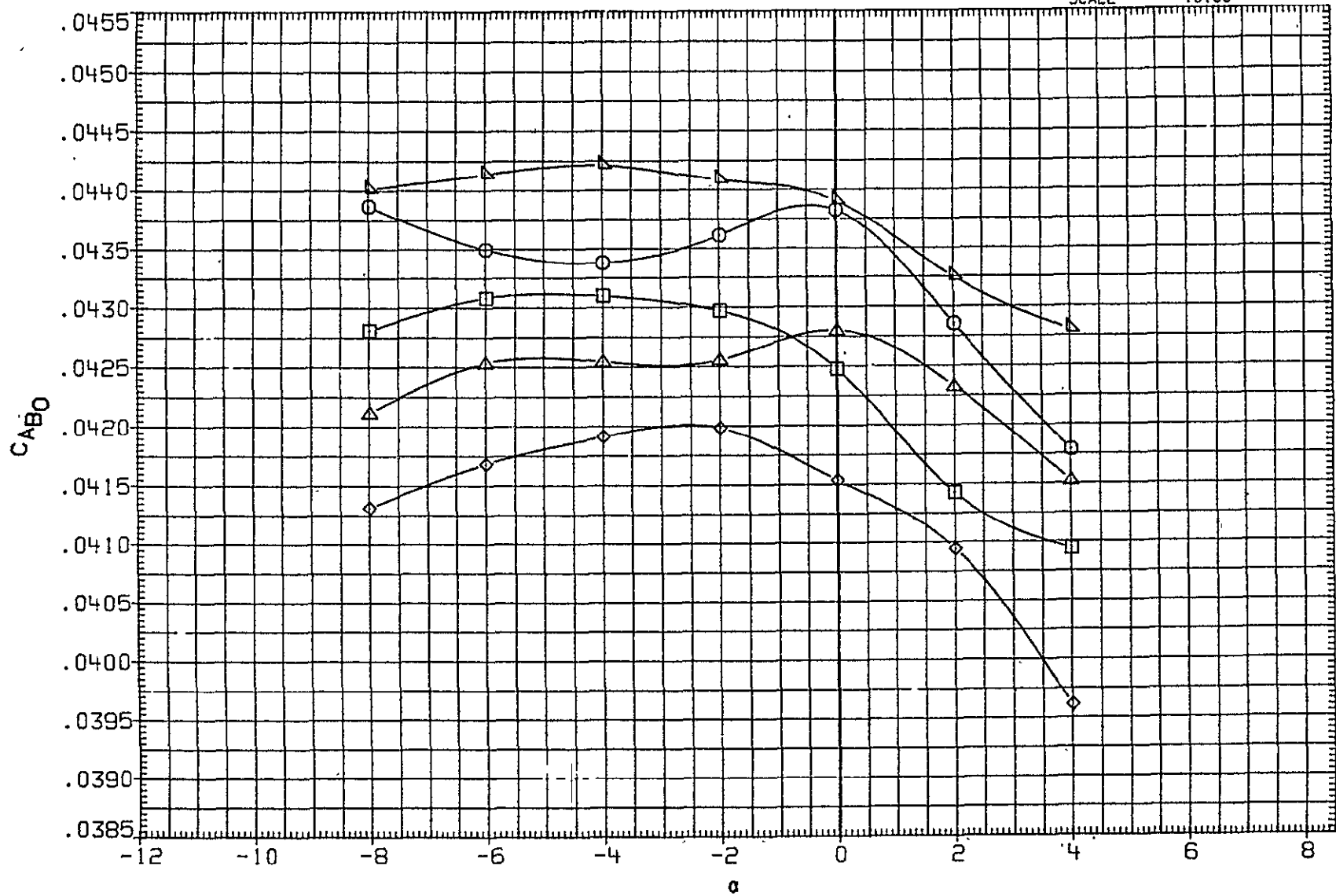


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

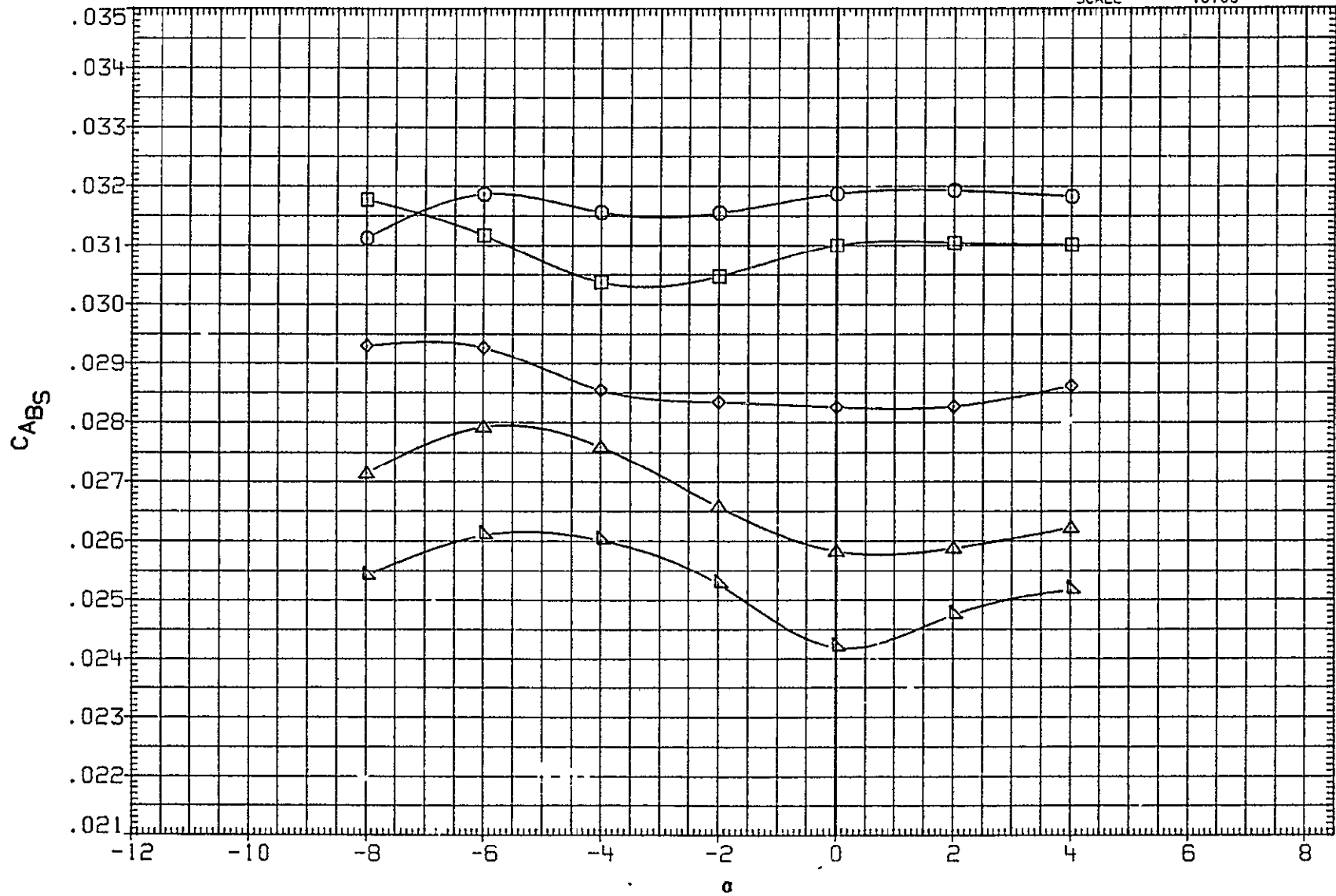


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

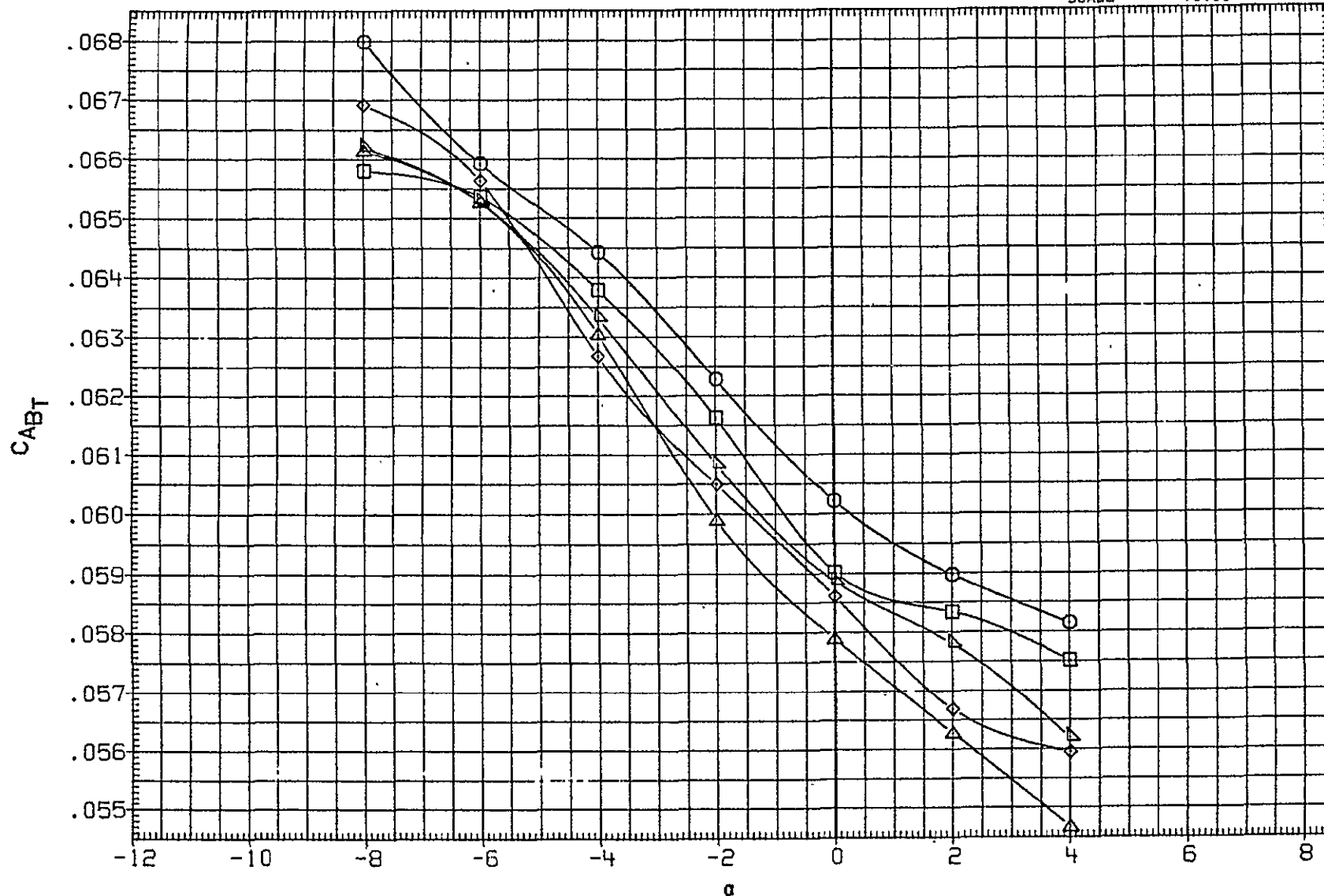


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK852	○	LARC UPWT 1152(1A94A) OTSAT130	-6 000	8.000	-5 000	8.000	-5.000	SREF	2690 0000	SQ.FT.
MJK853	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	8.000	-5 000	8.000	-5 000	LREF	1290.3000	INCHES
MJK854	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290 3000	INCHES
MJK855	△	LARC UPWT 1152(1A94A) OTSAT130	4 000	8 000	-5 000	8.000	-5.000	XMRP	976.0000	IN. XT
MJK856	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	8 000	-5 000	8.000	-5 000	YMRP	0000	IN. YT
								ZMRP	400 0000	IN ZT
								SCALE	0100	

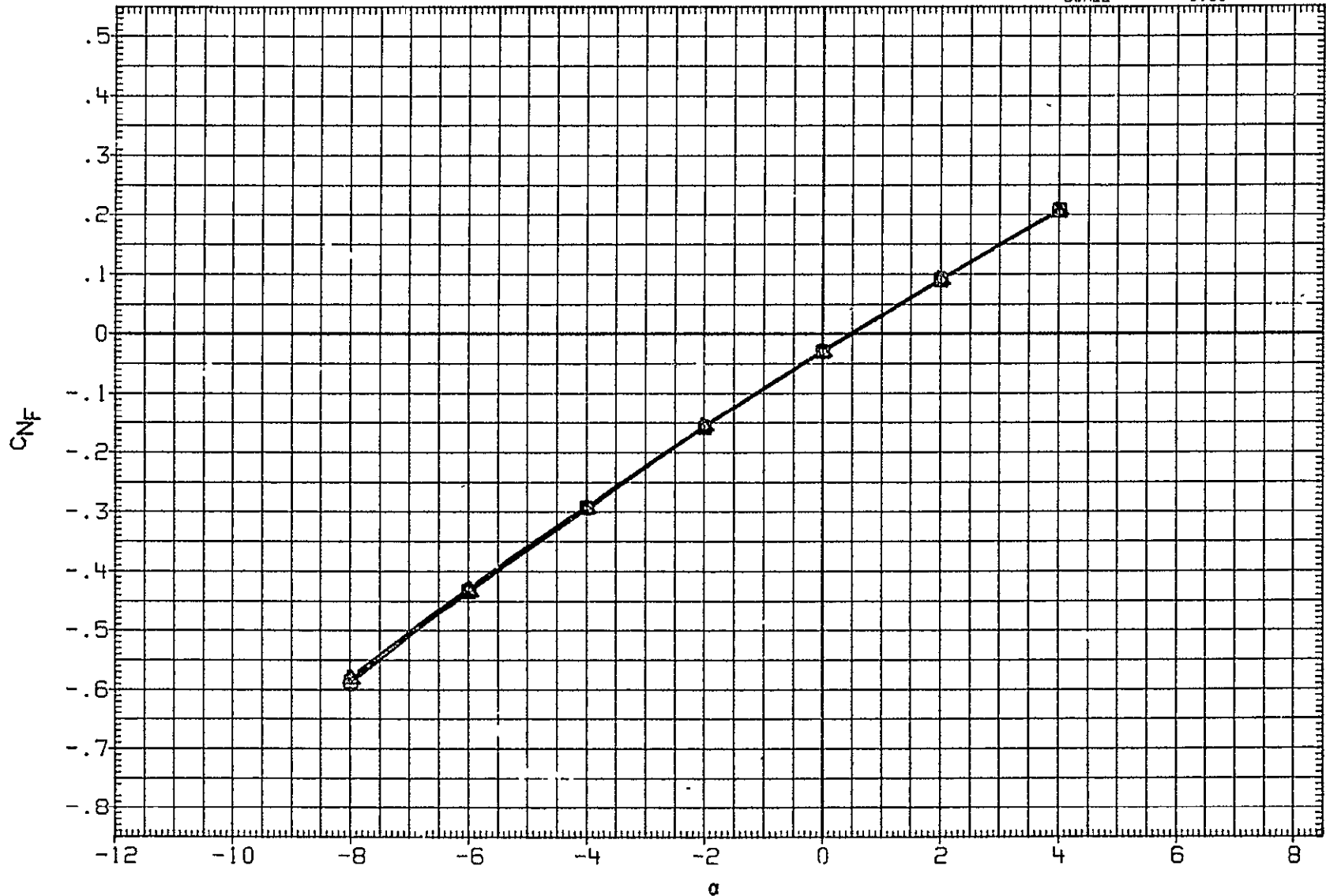


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

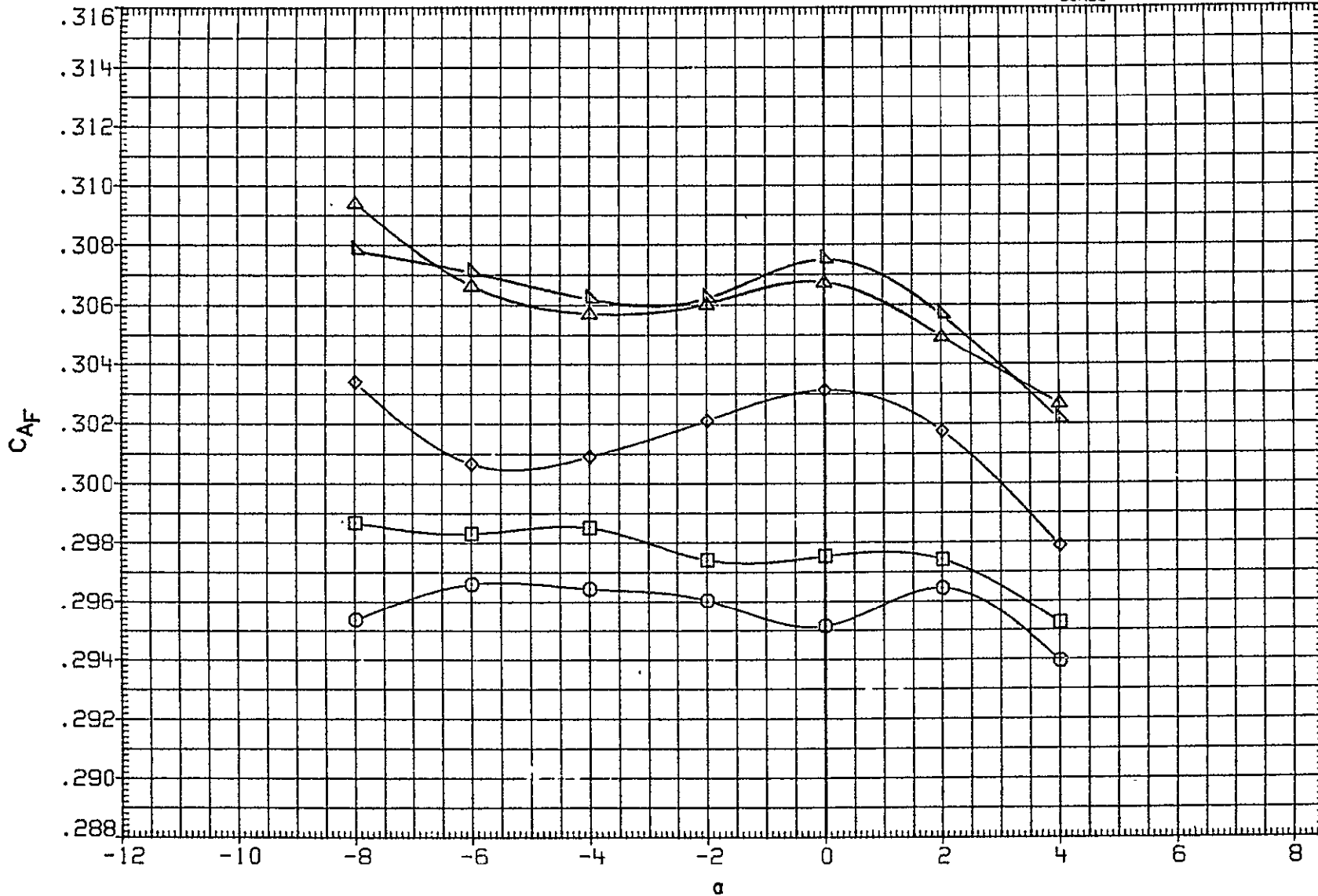


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	*REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152 (A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ FT.
MJKB53	□	LARC UPWT 1152 (A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152 (A94A) OTSAT130	0.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152 (A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152 (A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

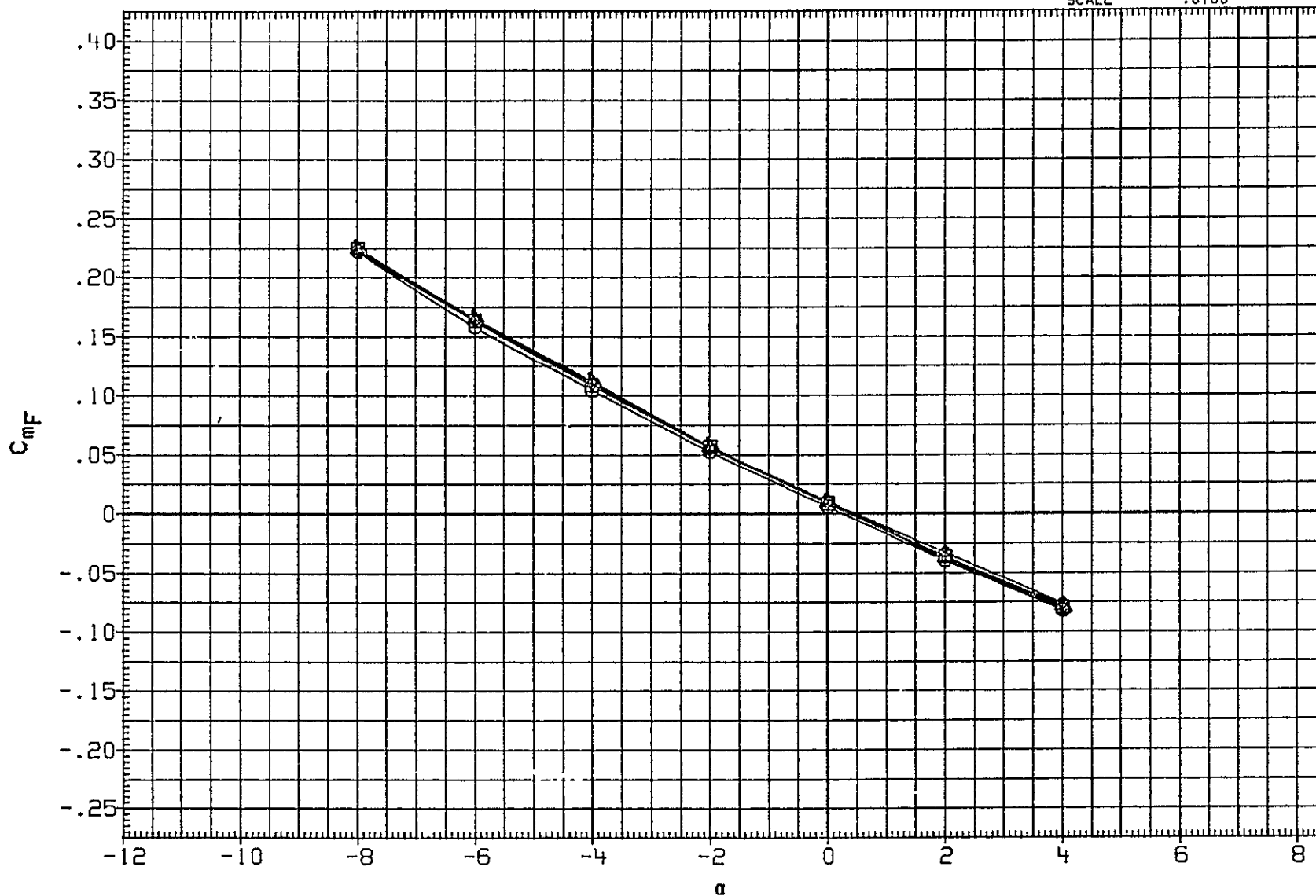


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK852	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJK853	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJK854	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJK855	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJK856	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

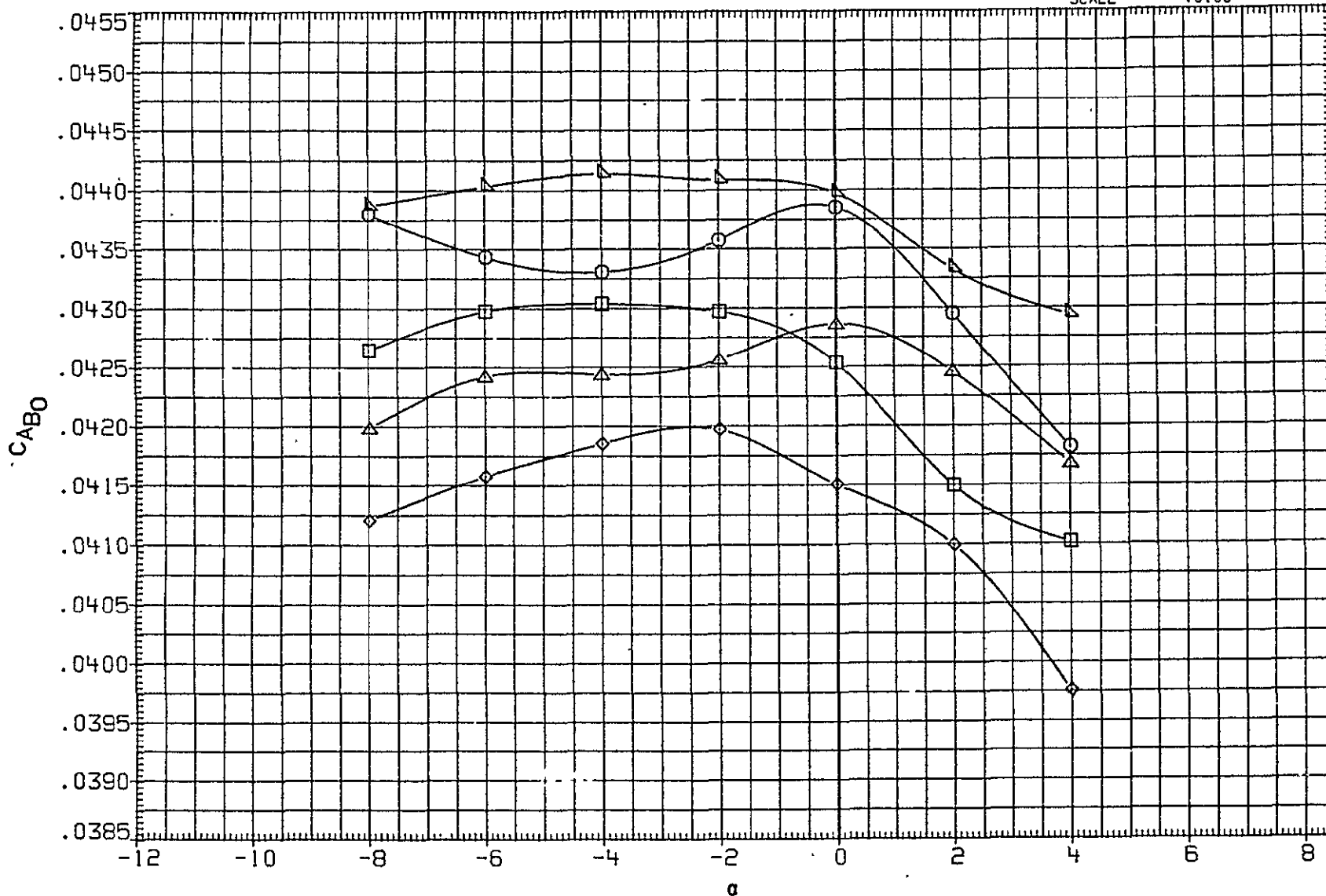


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152 (A94) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152 (A94) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152 (A94) OTSAT130	0.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152 (A94) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152 (A94) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

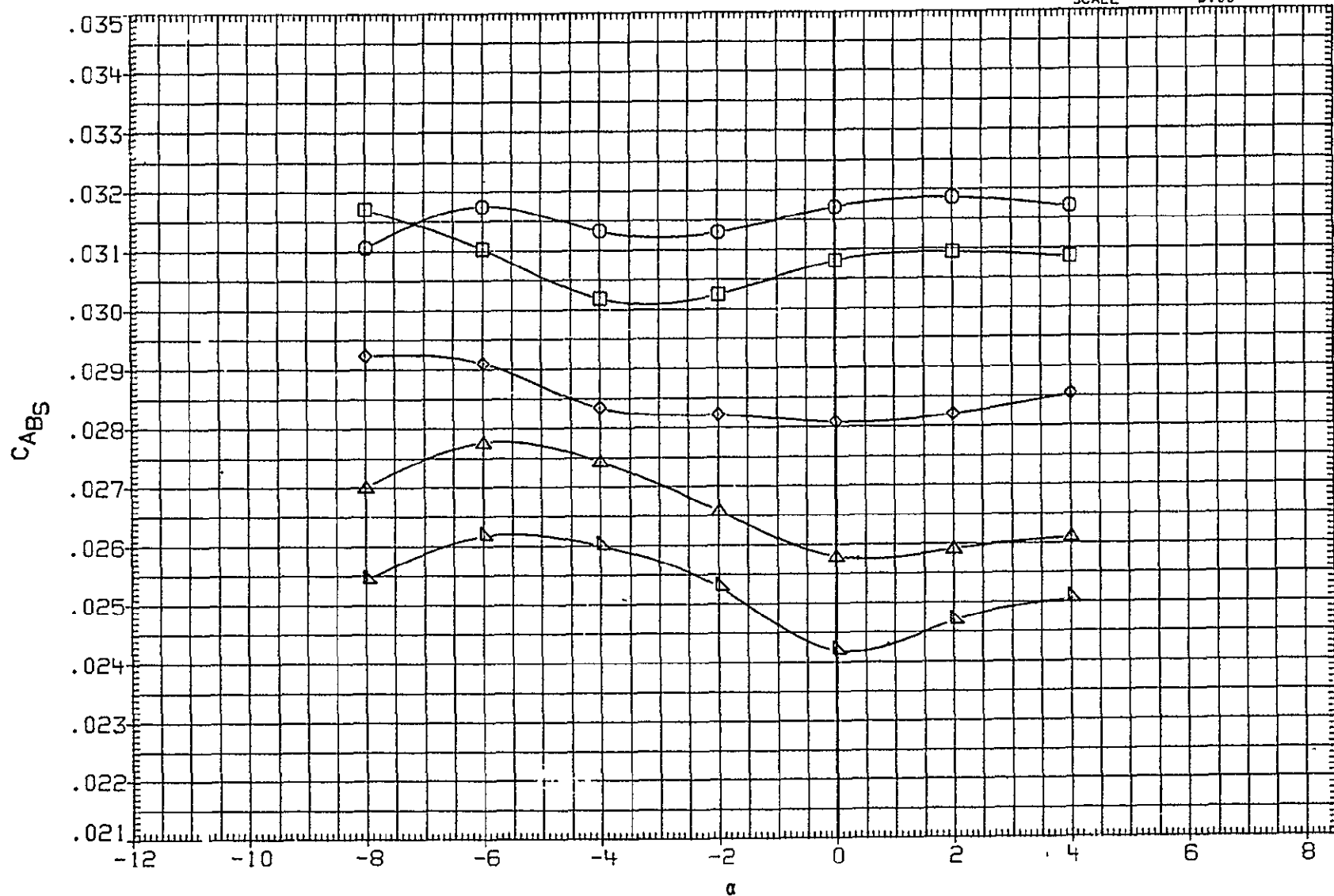


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	50. FT.
MJKB53	◇	LARC UPWT 1152(1A94) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	□	LARC UPWT 1152(1A94) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

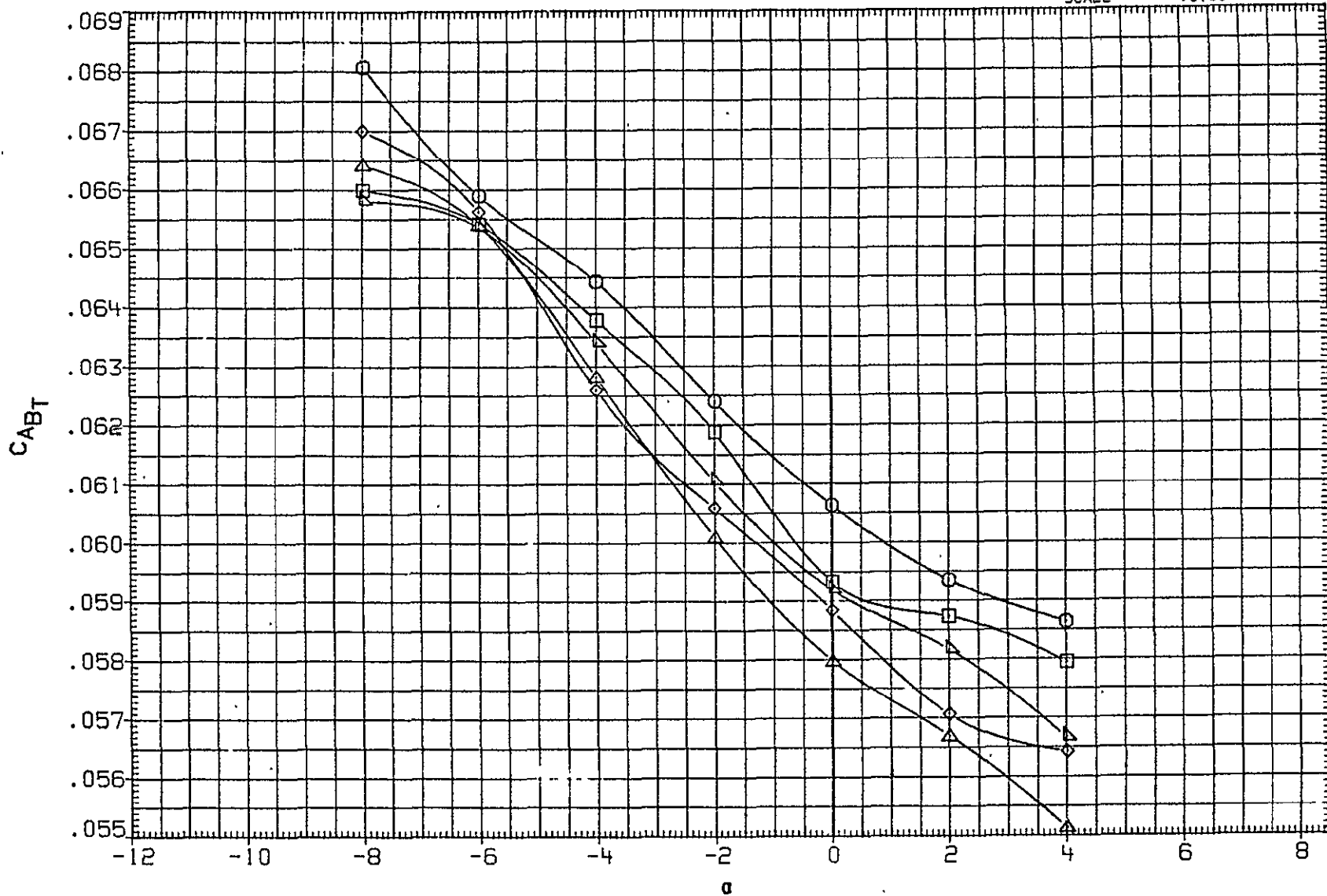


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	50 FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

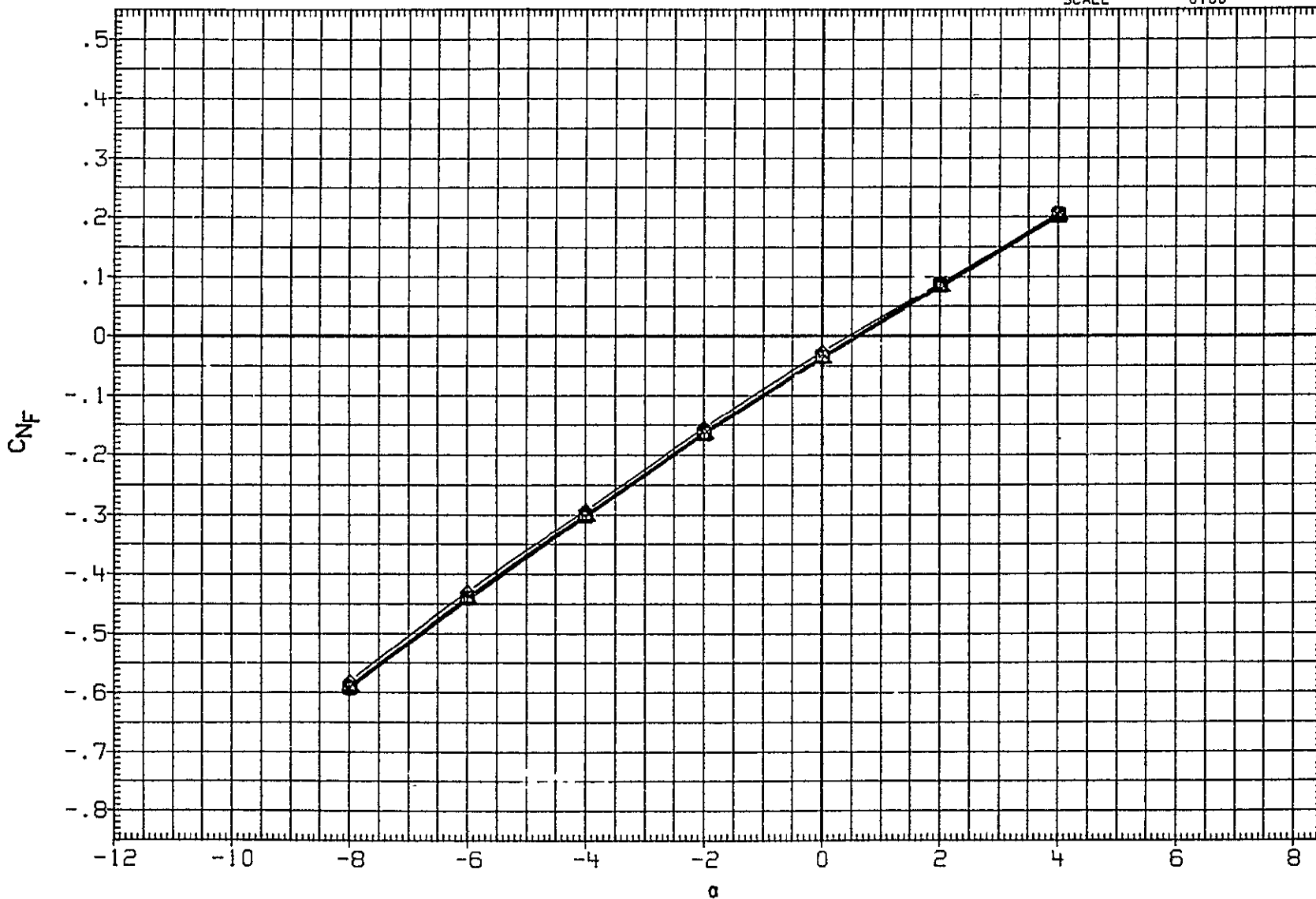


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB57	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

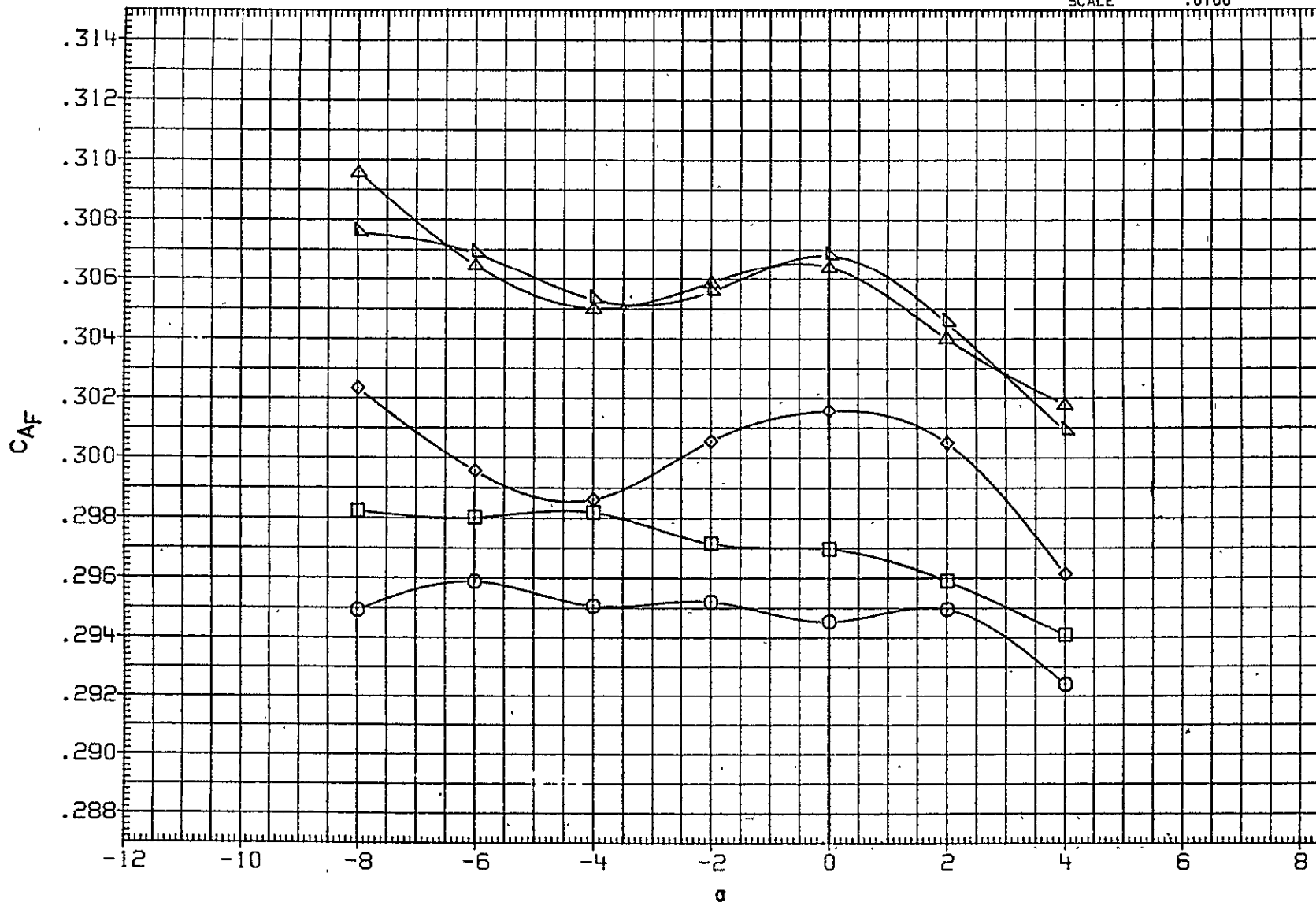


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152 (1A94) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152 (1A94) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152 (1A94) OTSAT130	0.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152 (1A94) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XM RP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152 (1A94) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YM RP	0000	IN. YT
								ZM RP	400.0000	IN. ZT
								SCALE	0100	

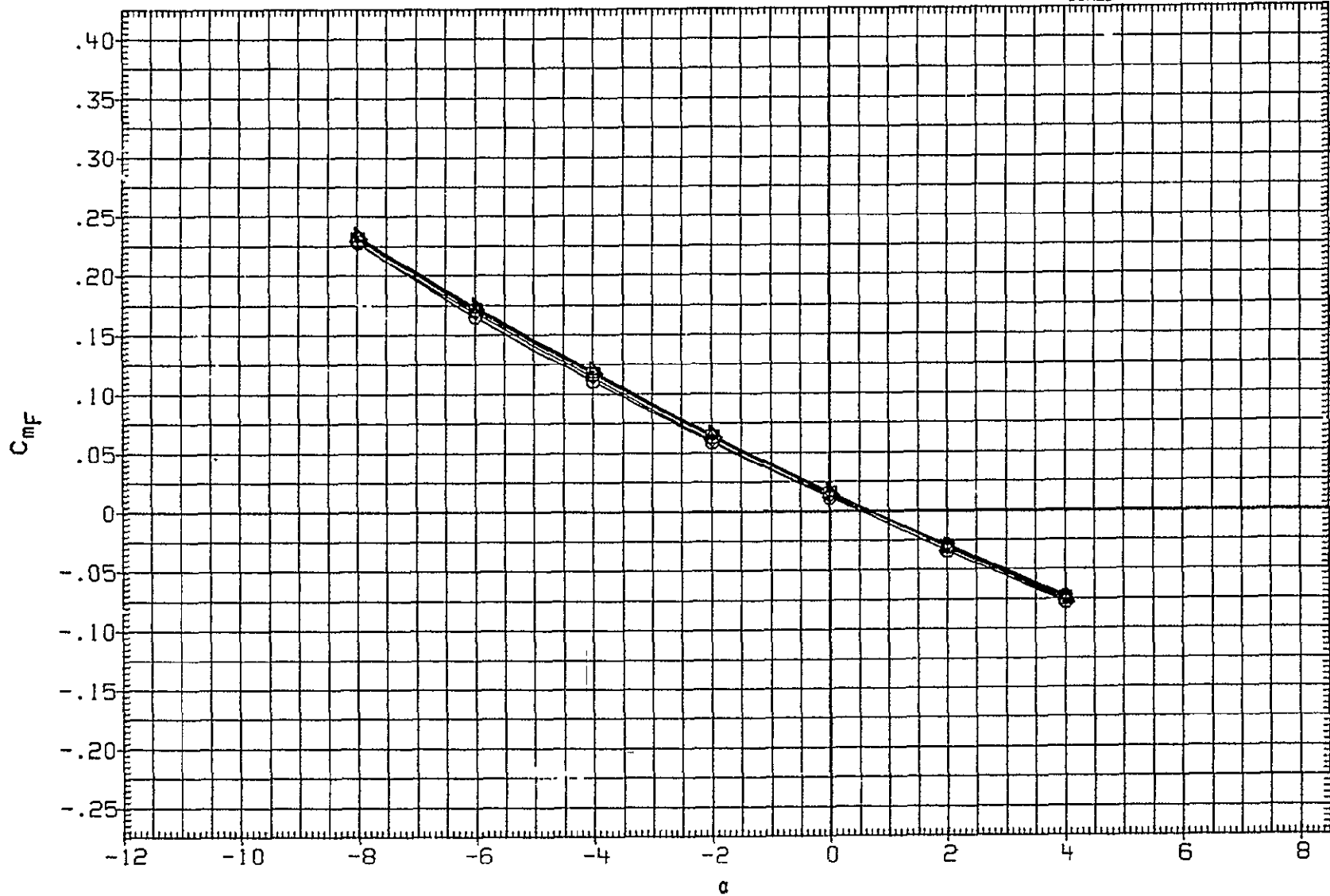


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152 (1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152 (1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152 (1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152 (1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152 (1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

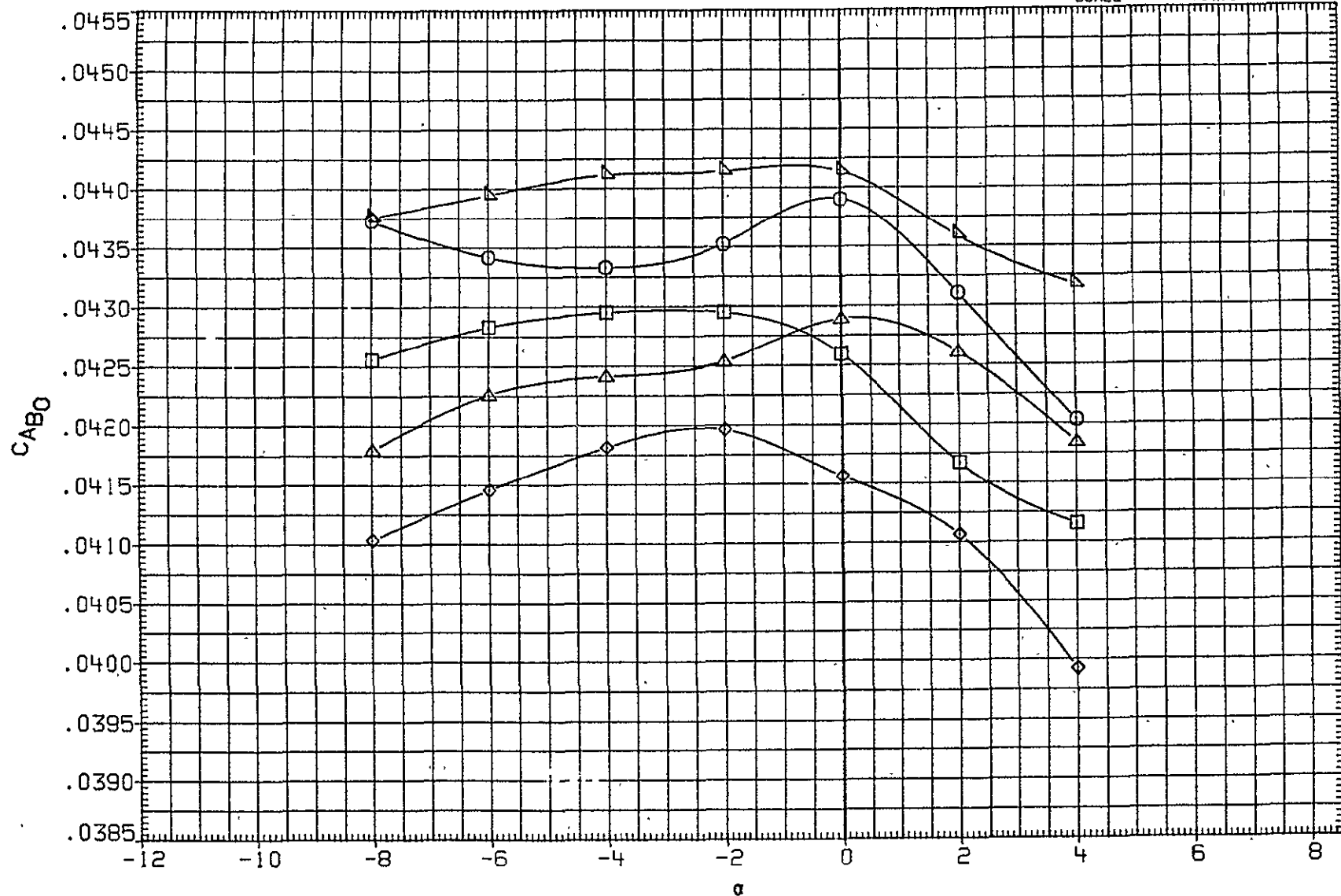


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB57	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000 SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000 INCHES
MJKB59	◇	LARC UPWT 1152(1A94) OTSAT130	0.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000 INCHES
MJKB60	△	LARC UPWT 1152(1A94) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000 IN XT
MJKB61	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000 IN YT
								ZMRP	400.0000 IN ZT
								SCALE	0.100

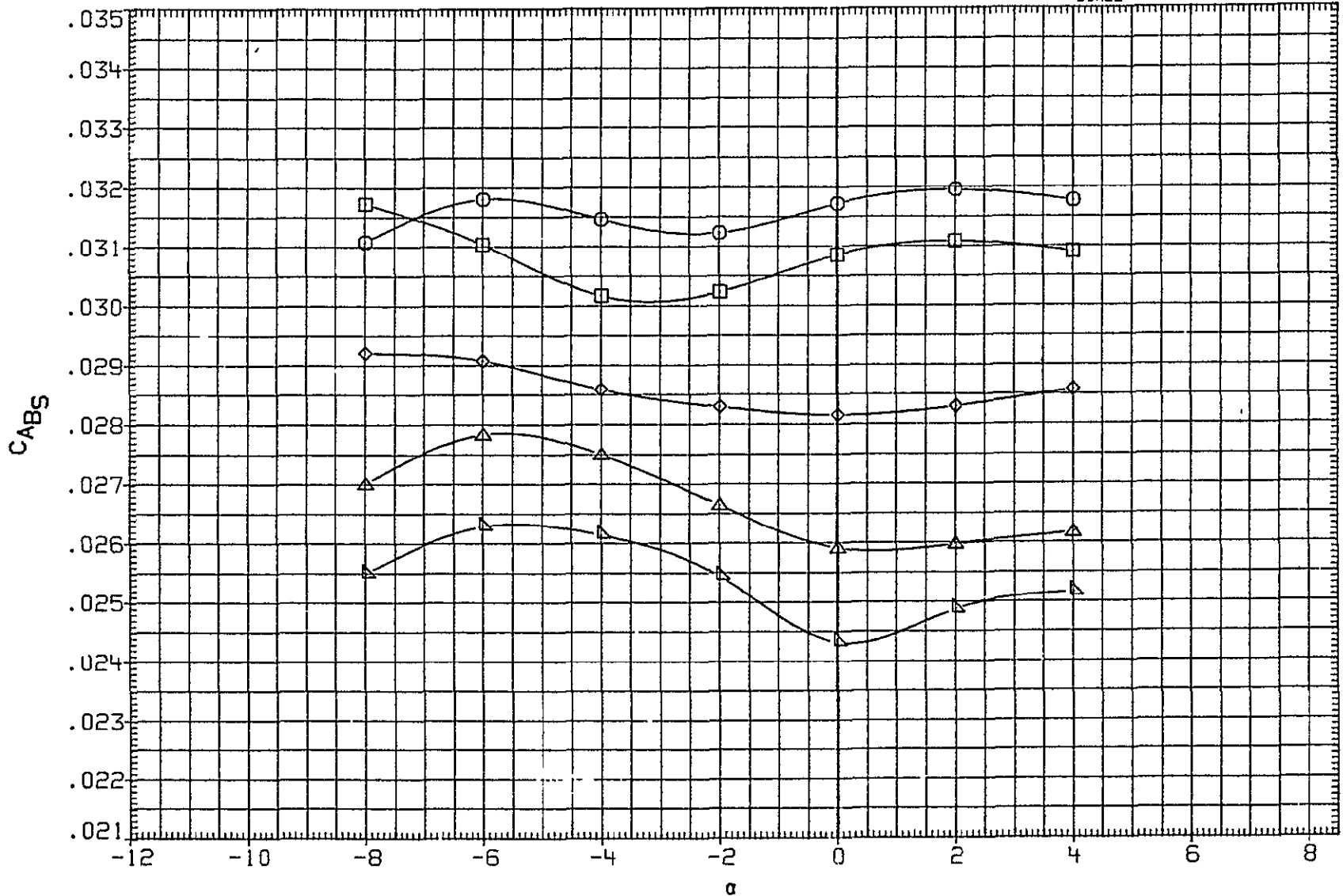


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

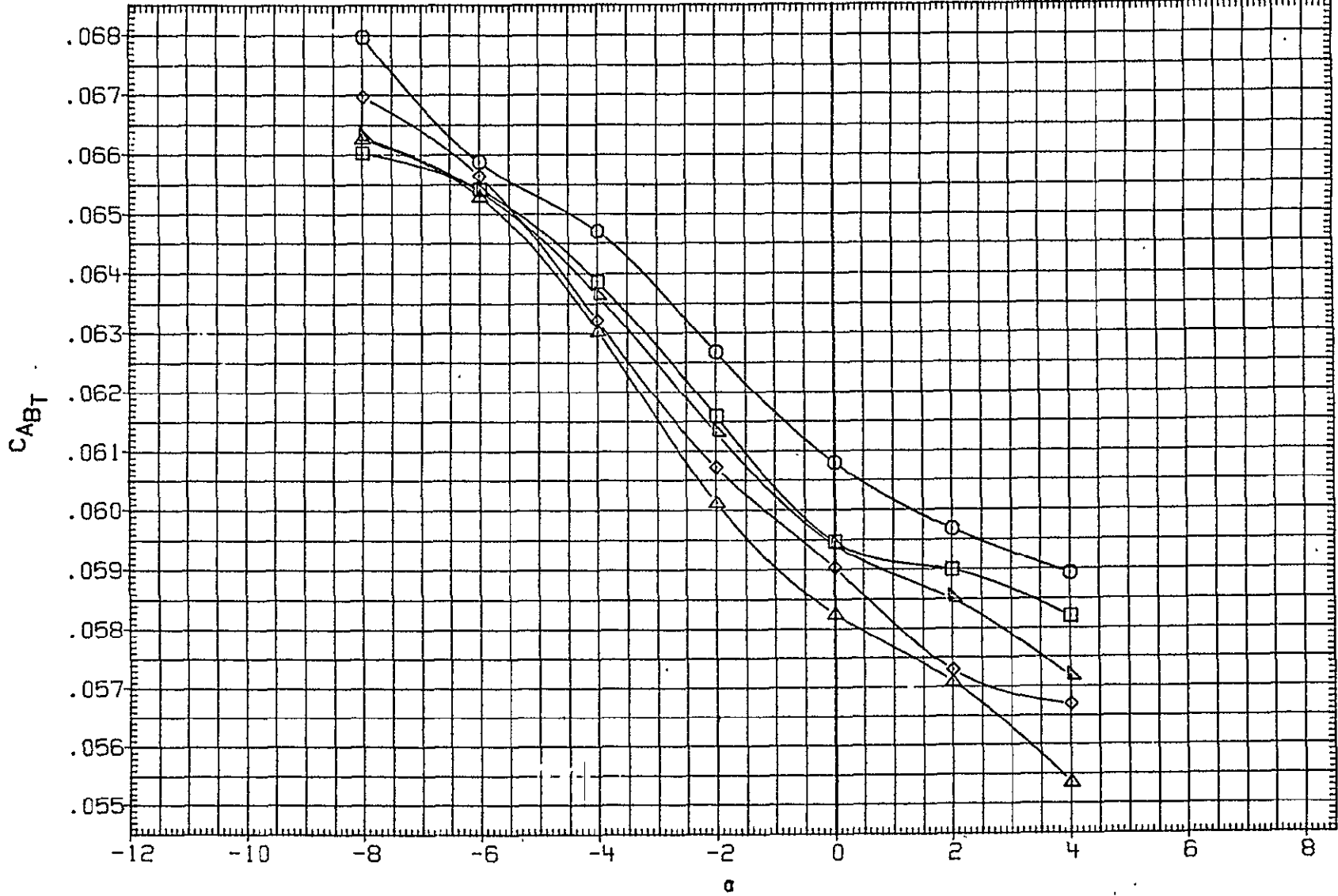


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

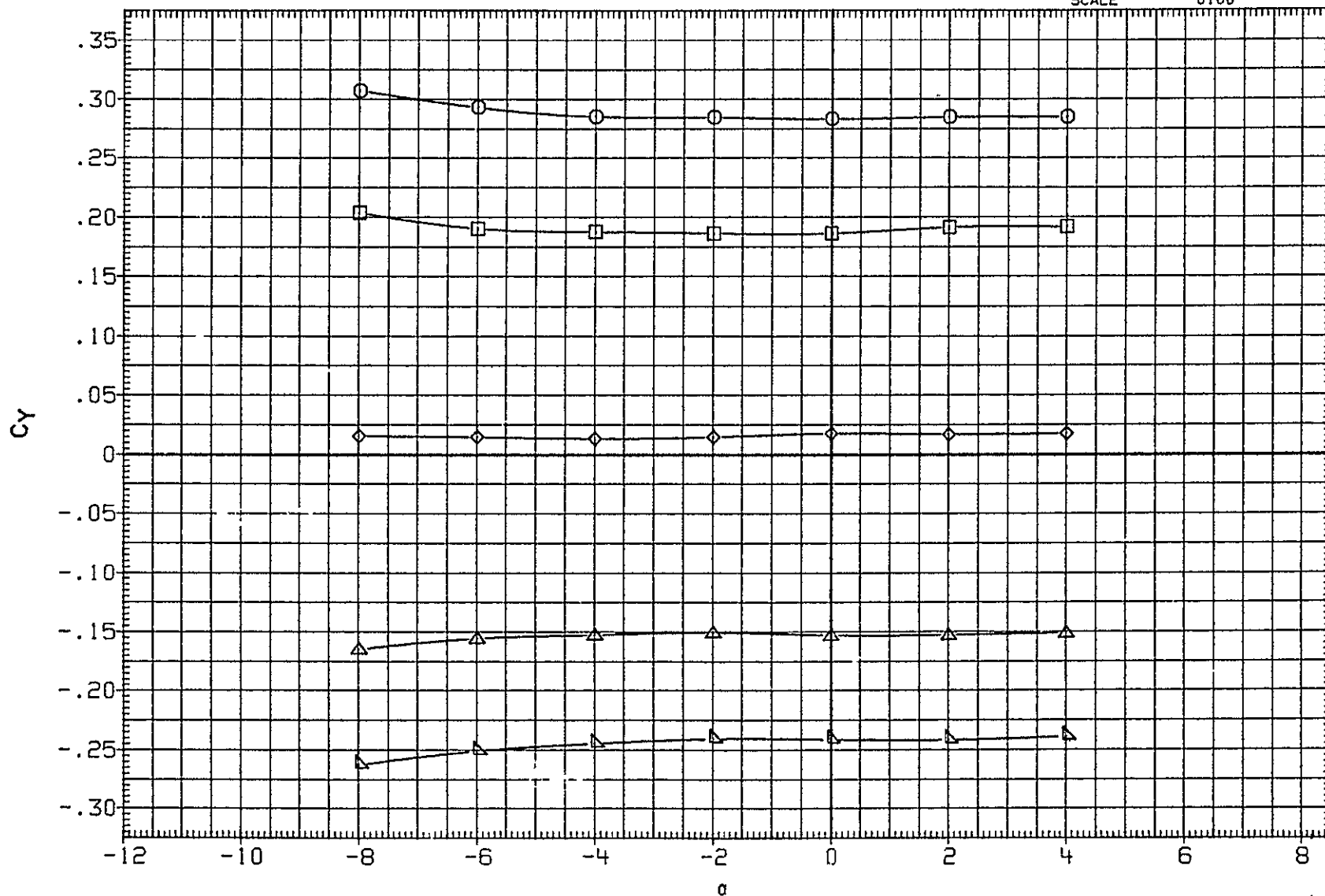


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50. FT.
MJKA18	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

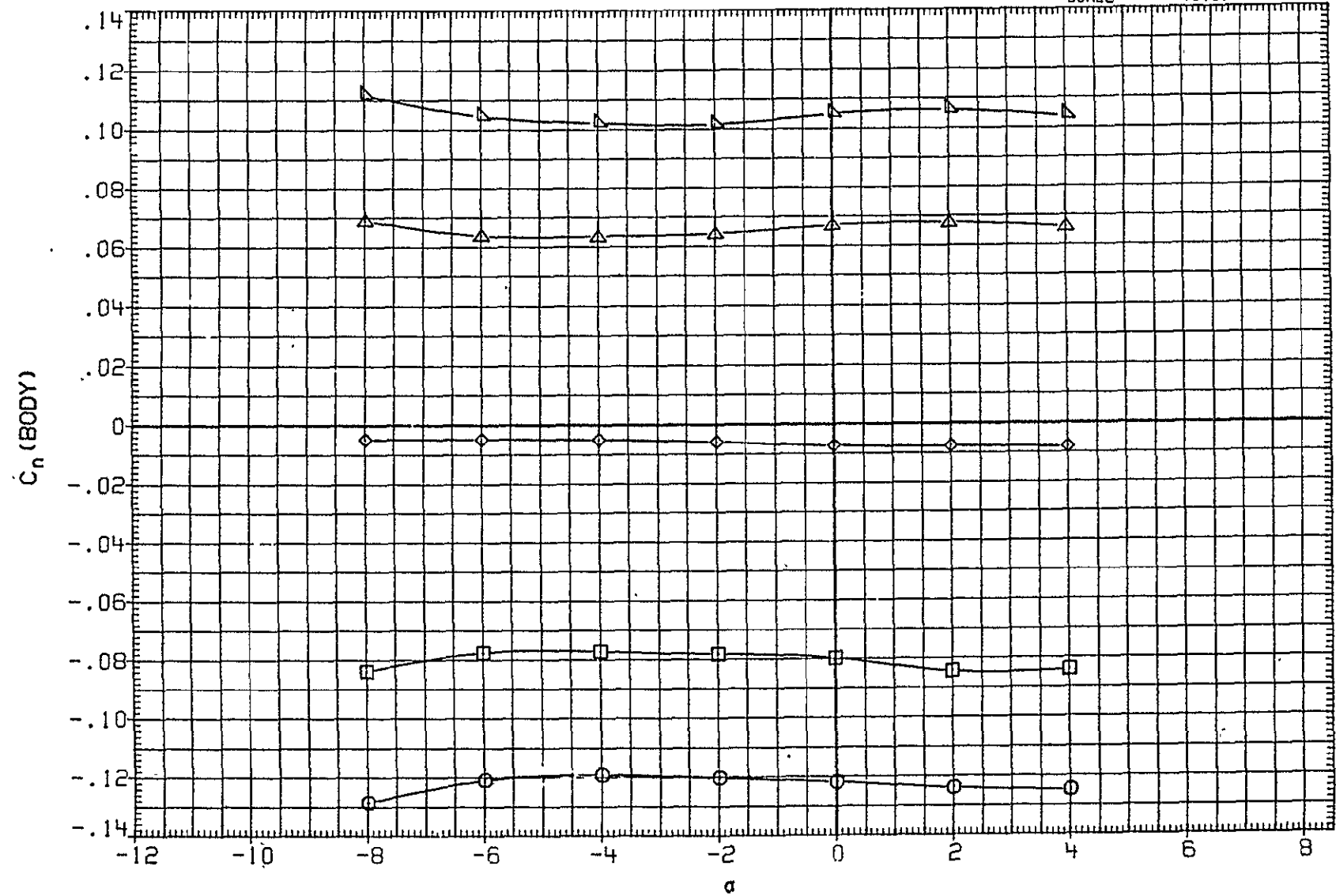


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

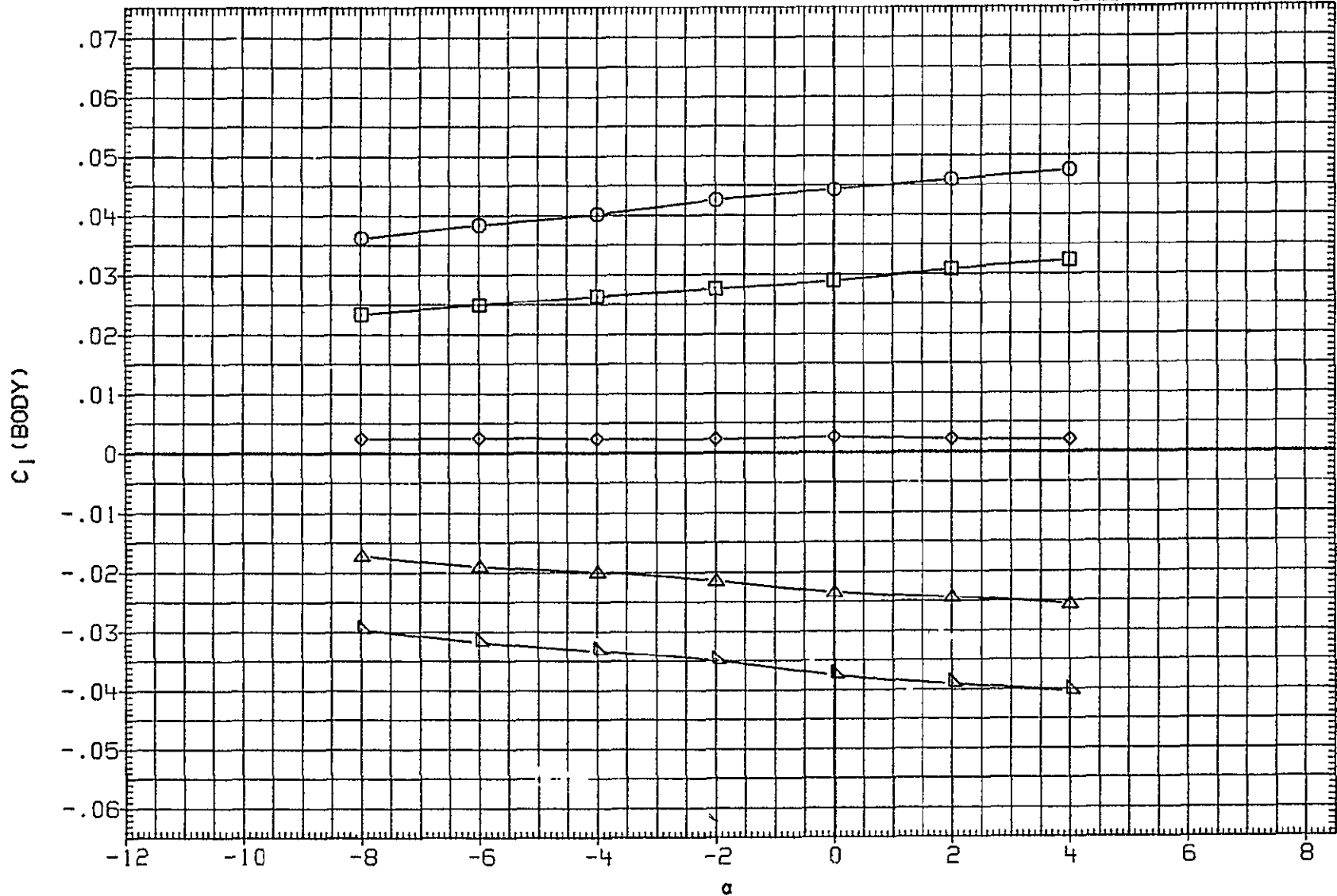


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA.	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ. FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

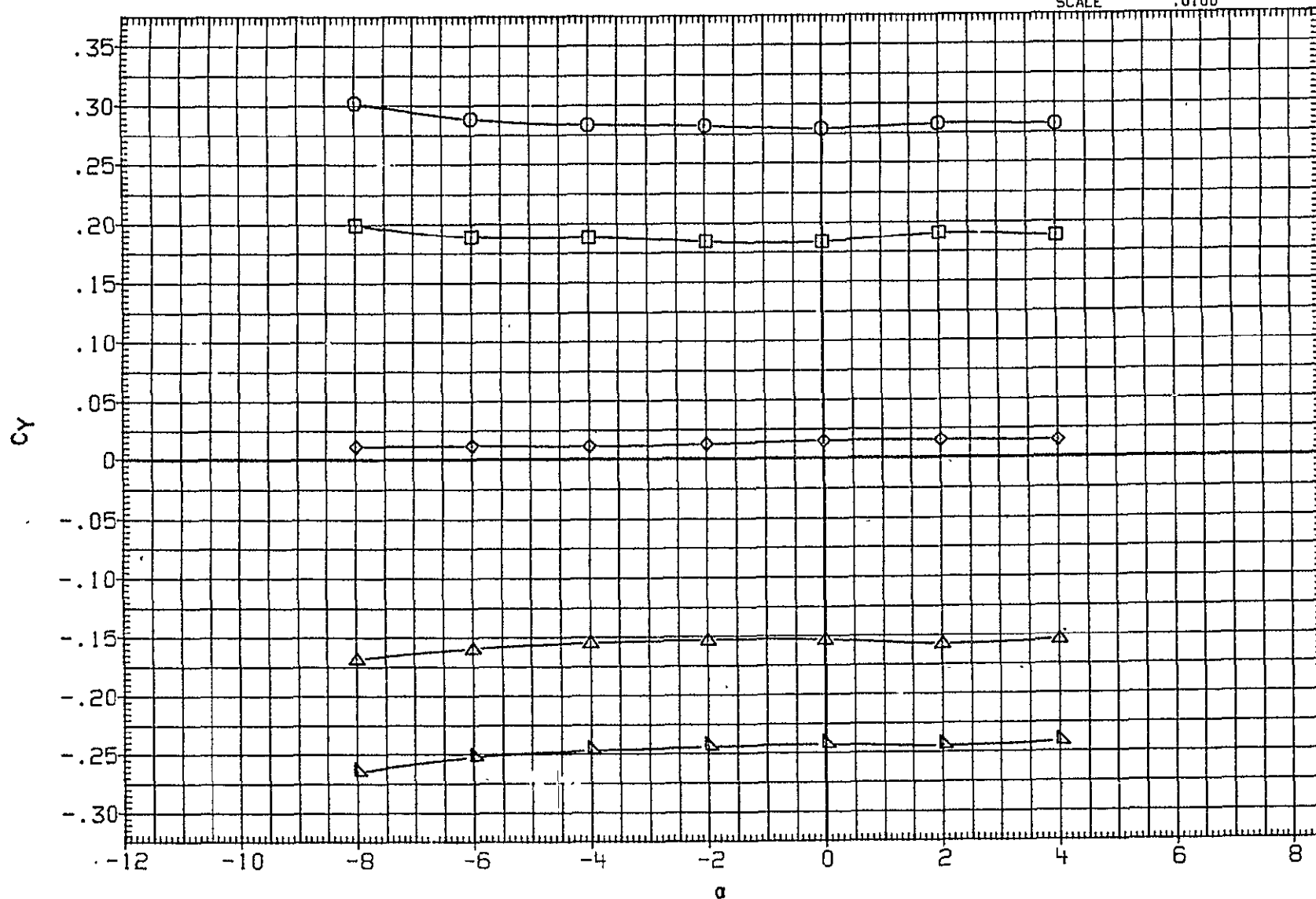


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	50. FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

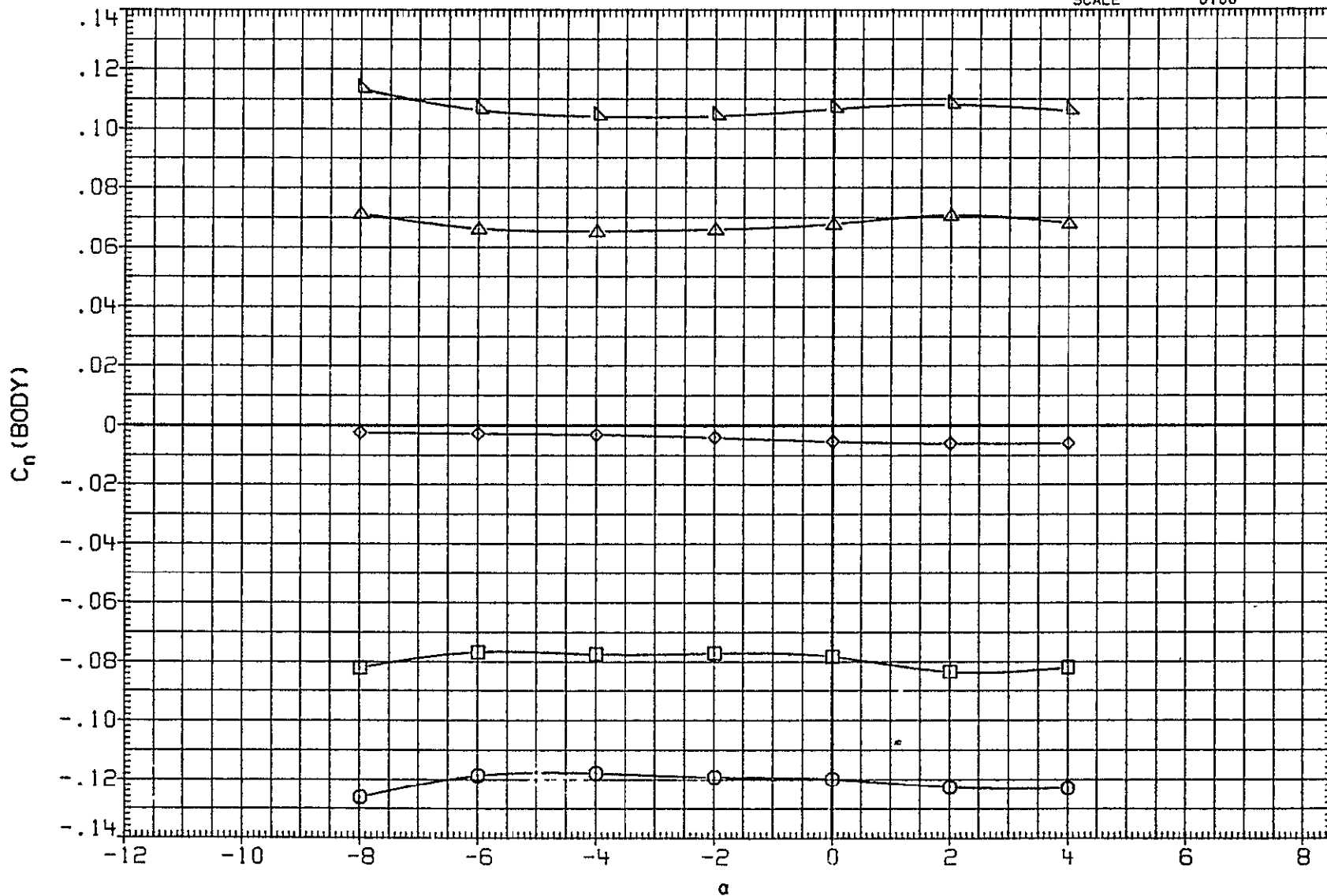


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○ LARC UPWT 1152 (1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□ LARC UPWT 1152 (1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇ LARC UPWT 1152 (1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△ LARC UPWT 1152 (1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN.-XT
MJKA26	▽ LARC UPWT 1152 (1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

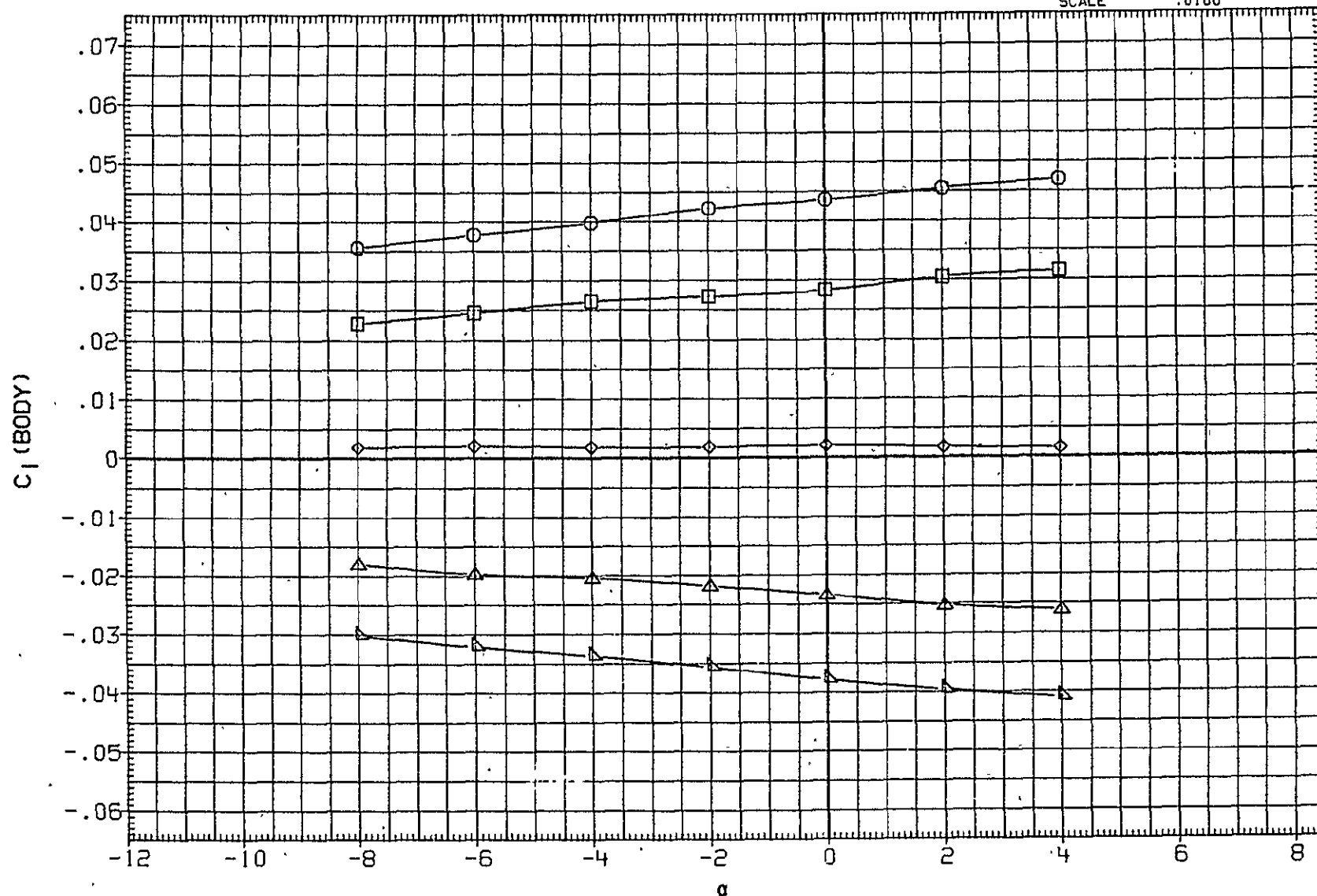


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	.REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

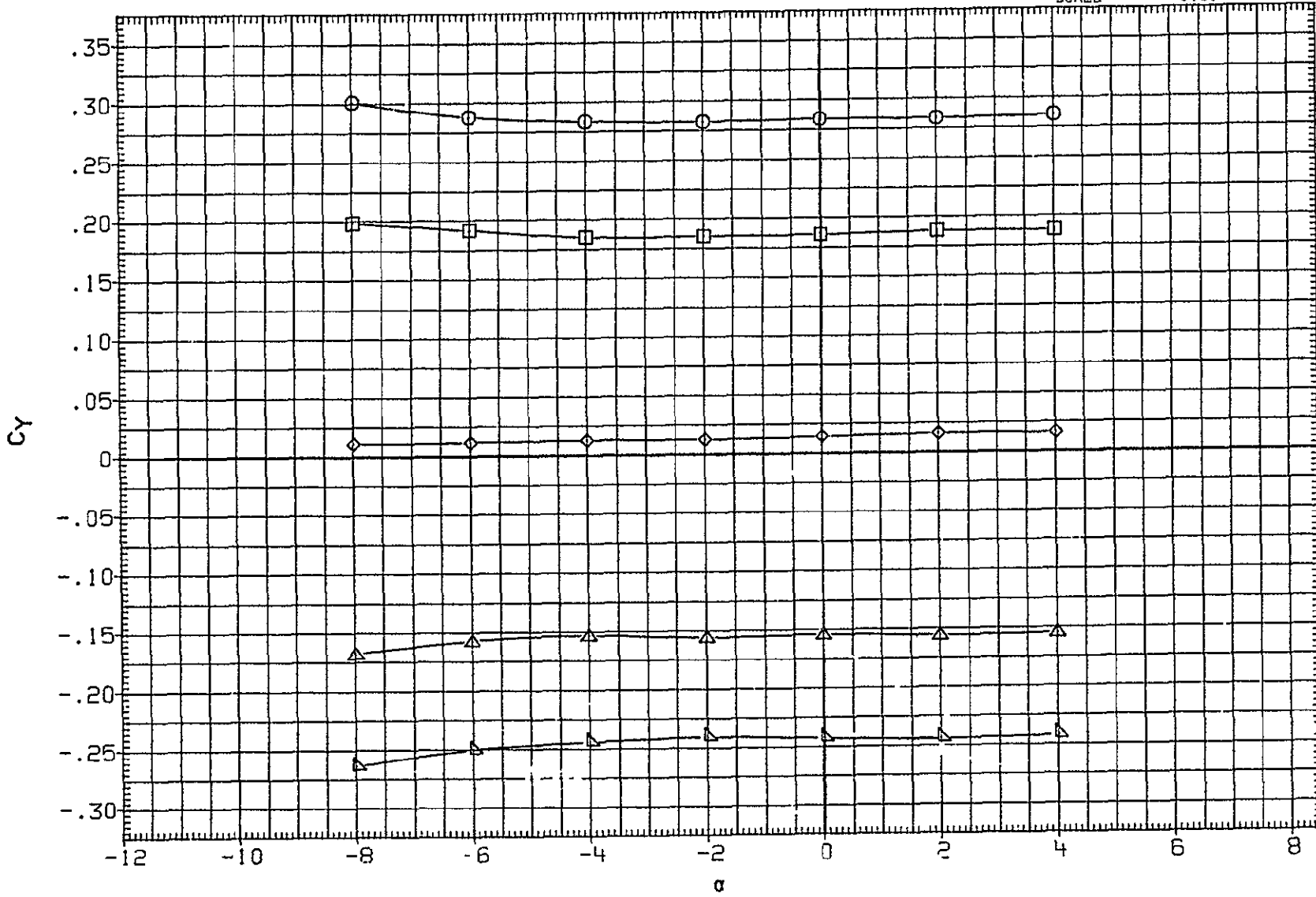


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

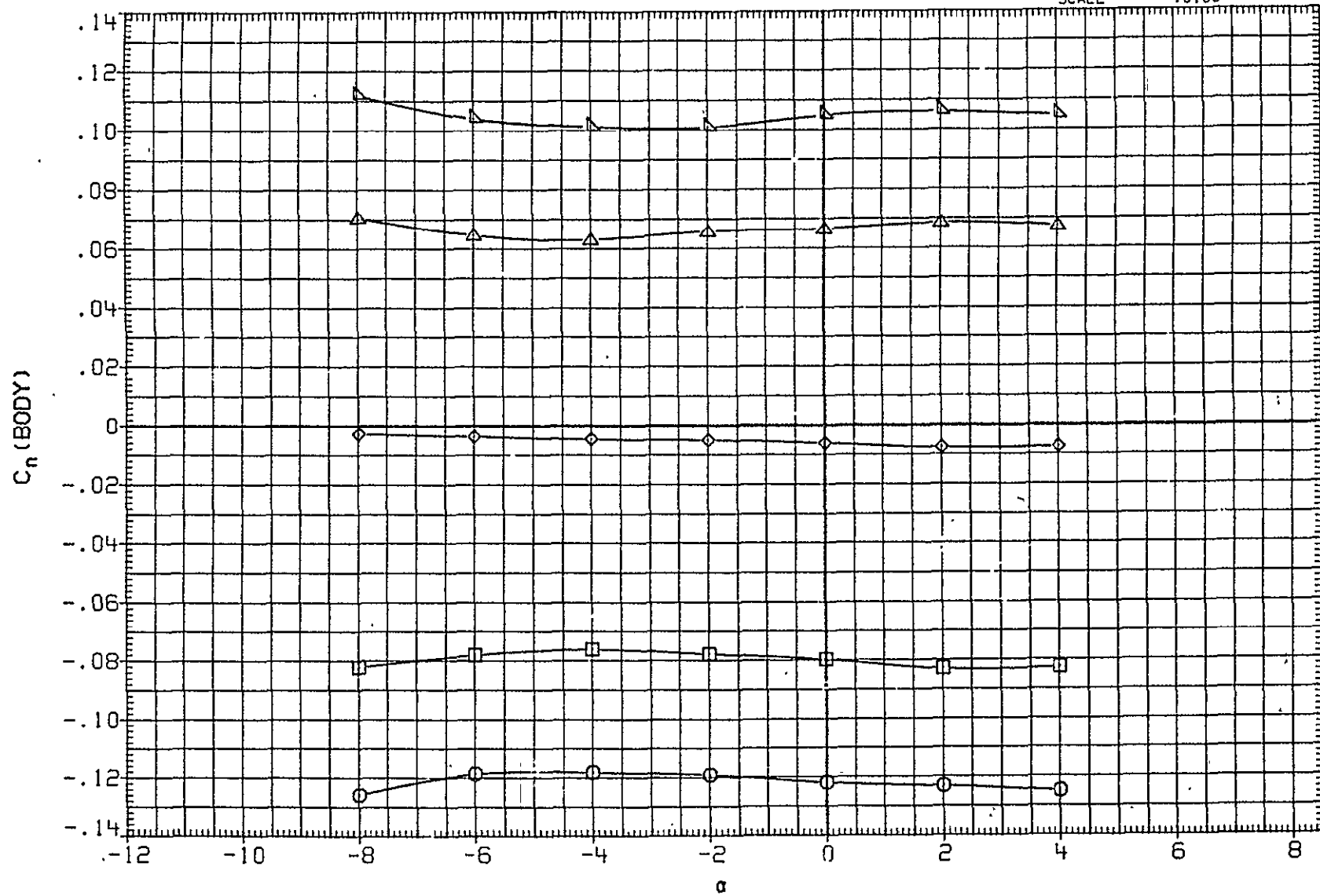


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000 50.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000 INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000 INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000 IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000 IN. YT
								ZMRP	400.0000 IN ZT
								SCALE	0100

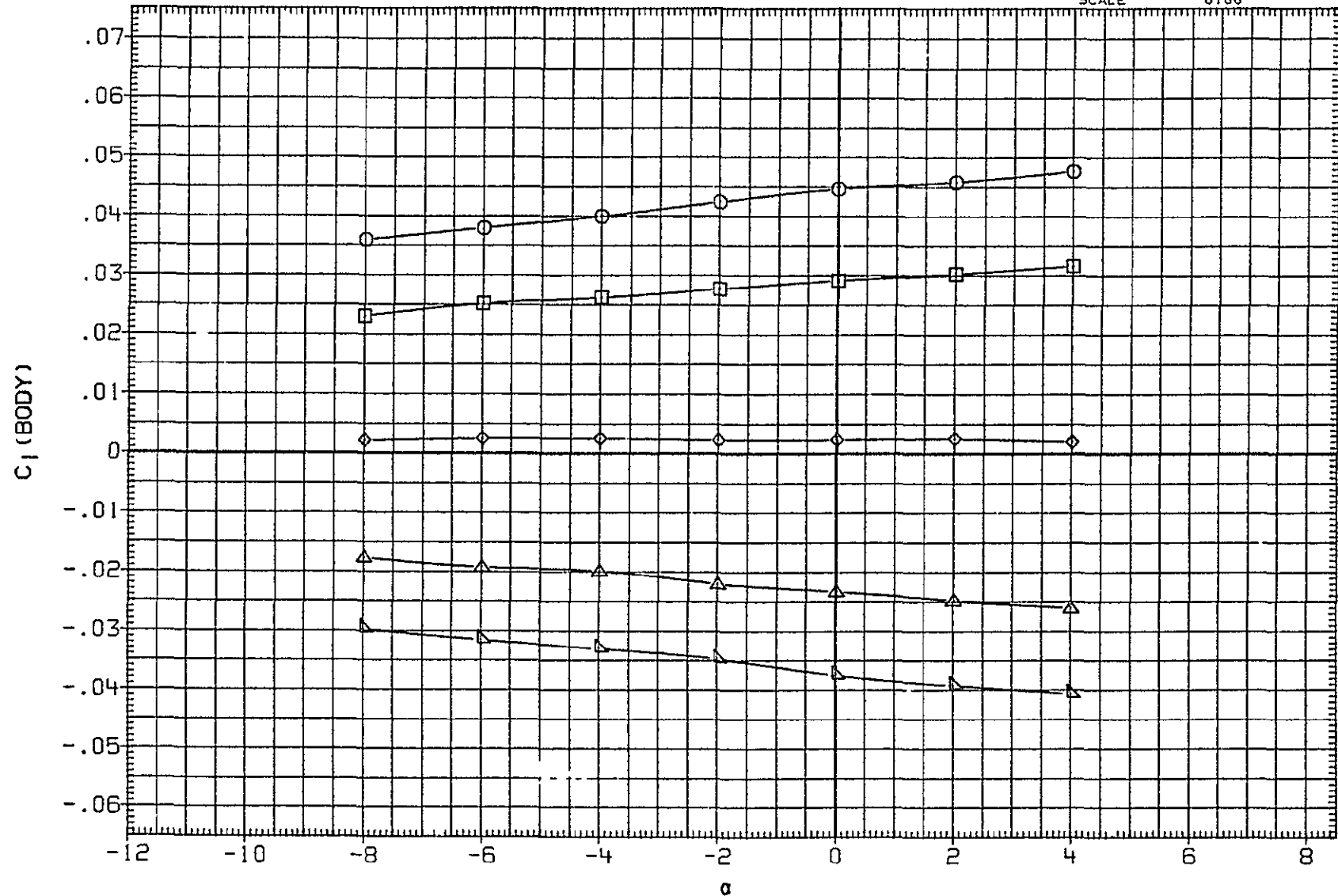


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

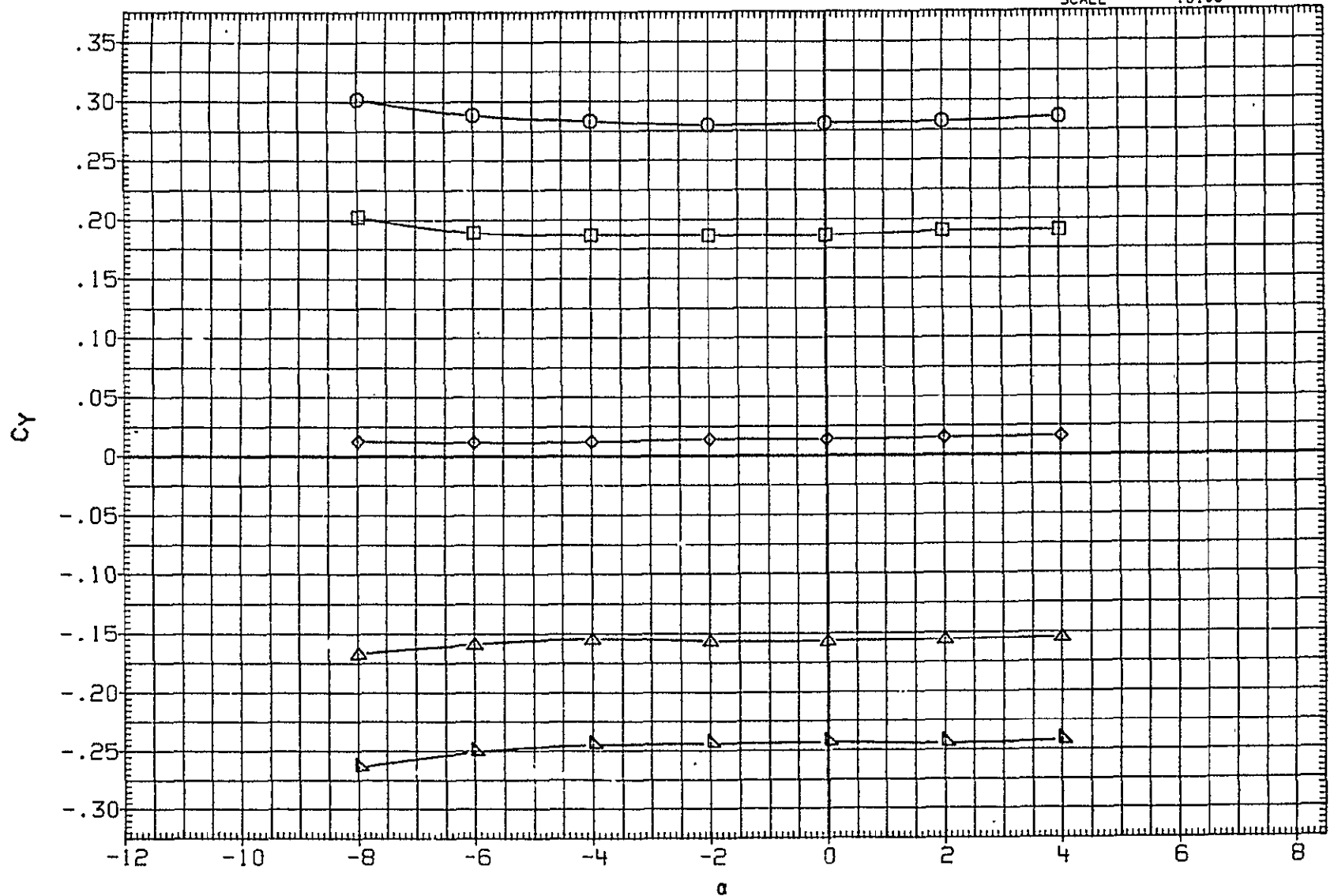


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	0100	

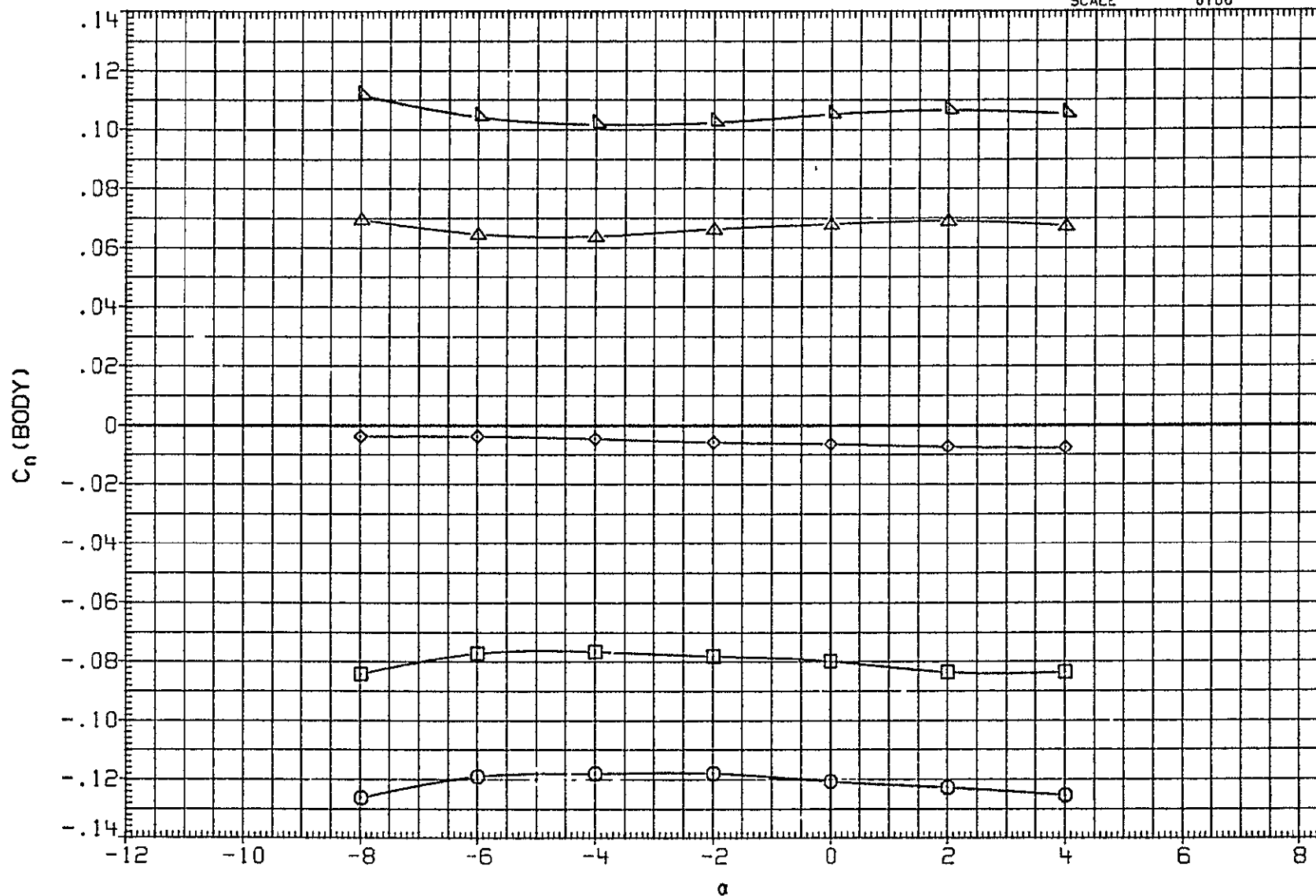


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMFP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMFP	.0000	IN. YT
								ZMFP	400.0000	IN. ZT
								SCALE	.0100	

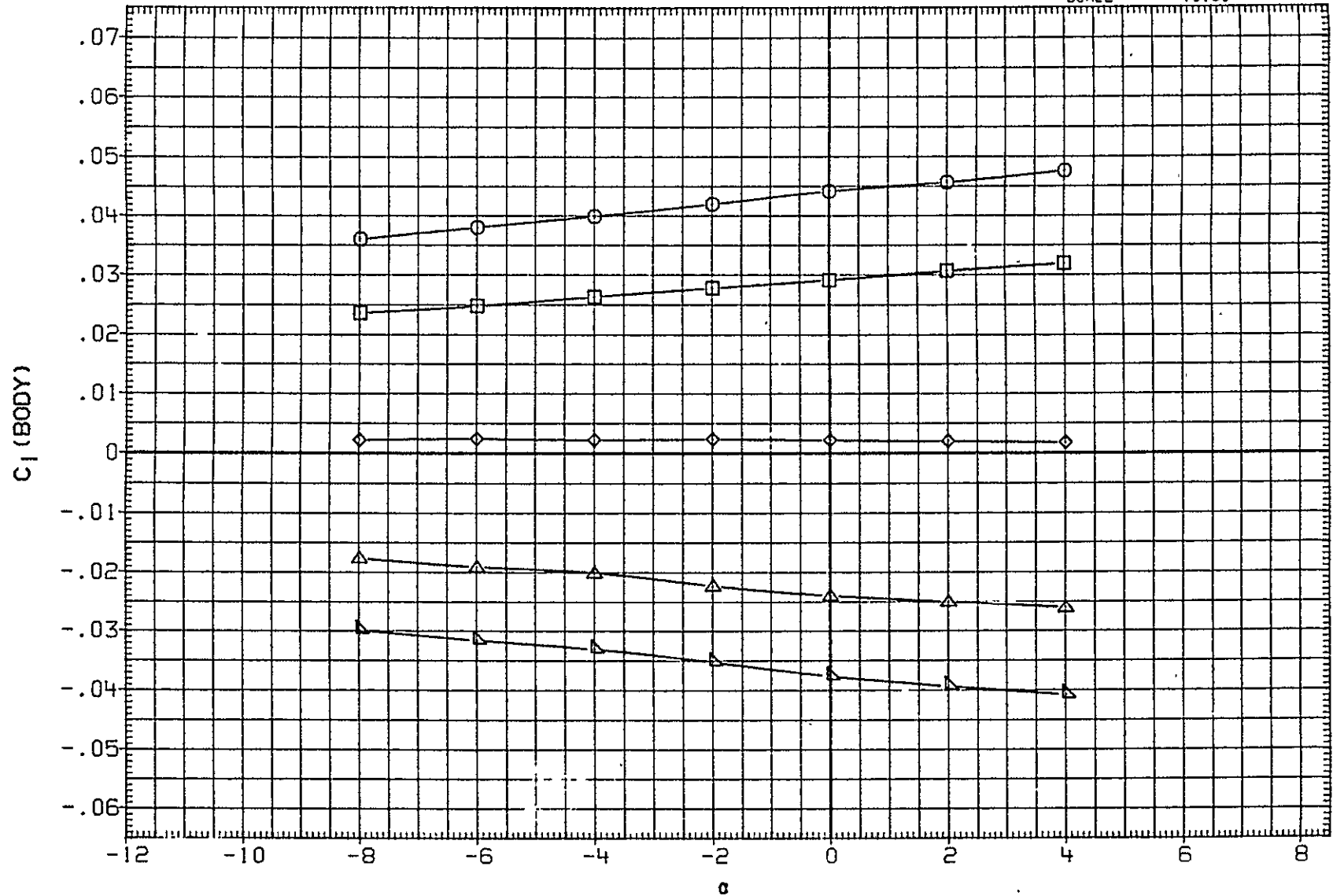


FIG. 5. LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION			
MJKA37	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690	0000	50 FT.
MJKA38	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000		INCHES
MJKA39	◇	LARC UPWT 1152(1A94) OTSAT130	0.000	12.000	-5.000	12.000	-5.000	ØREF	1290	3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976	0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP		0000	IN. YT
								ZMPP	400.0000		IN. ZT
								SCALE		0100	

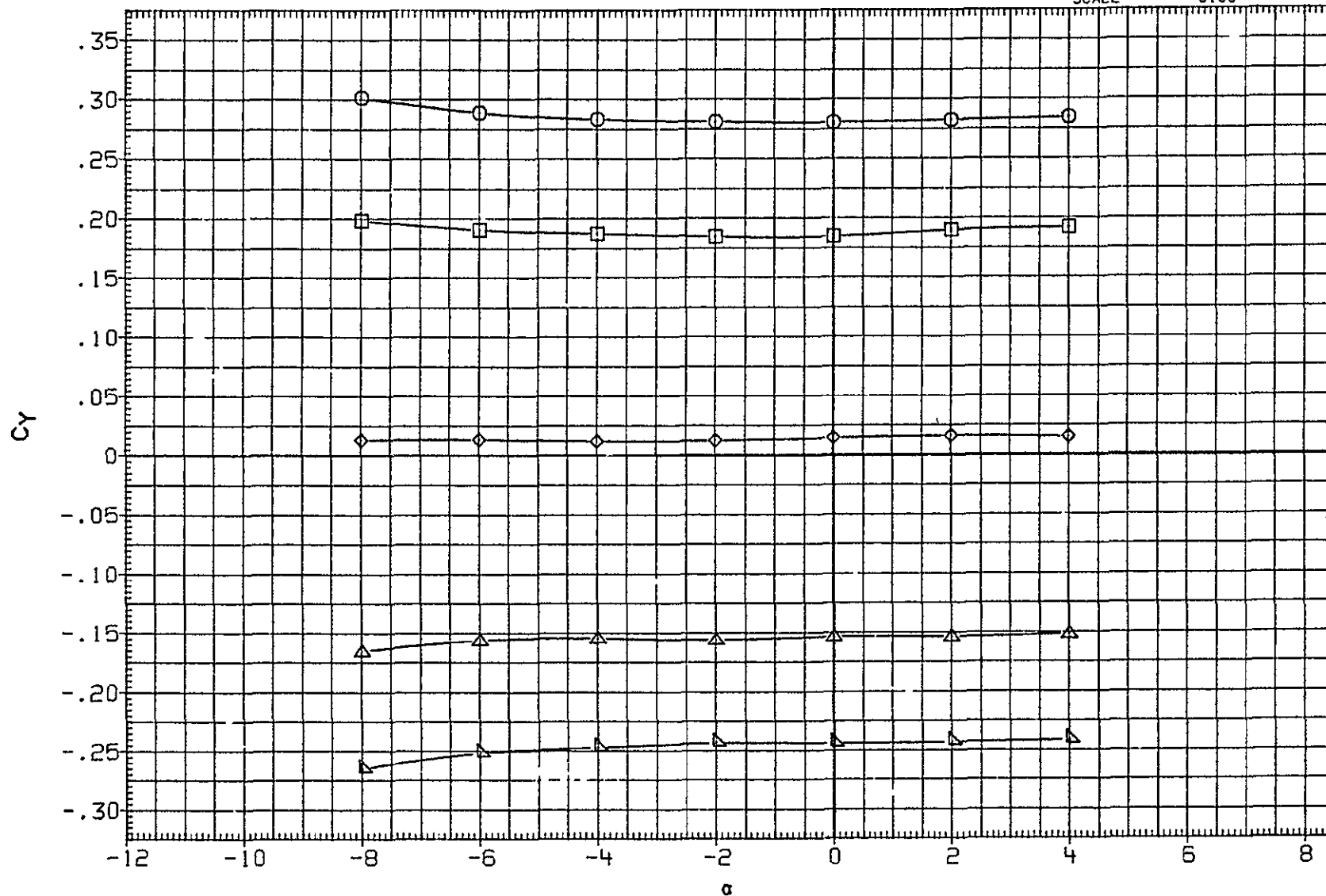


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152 (1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ. FT.
MJKA38	□	LARC UPWT 1152 (1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152 (1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152 (1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152 (1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

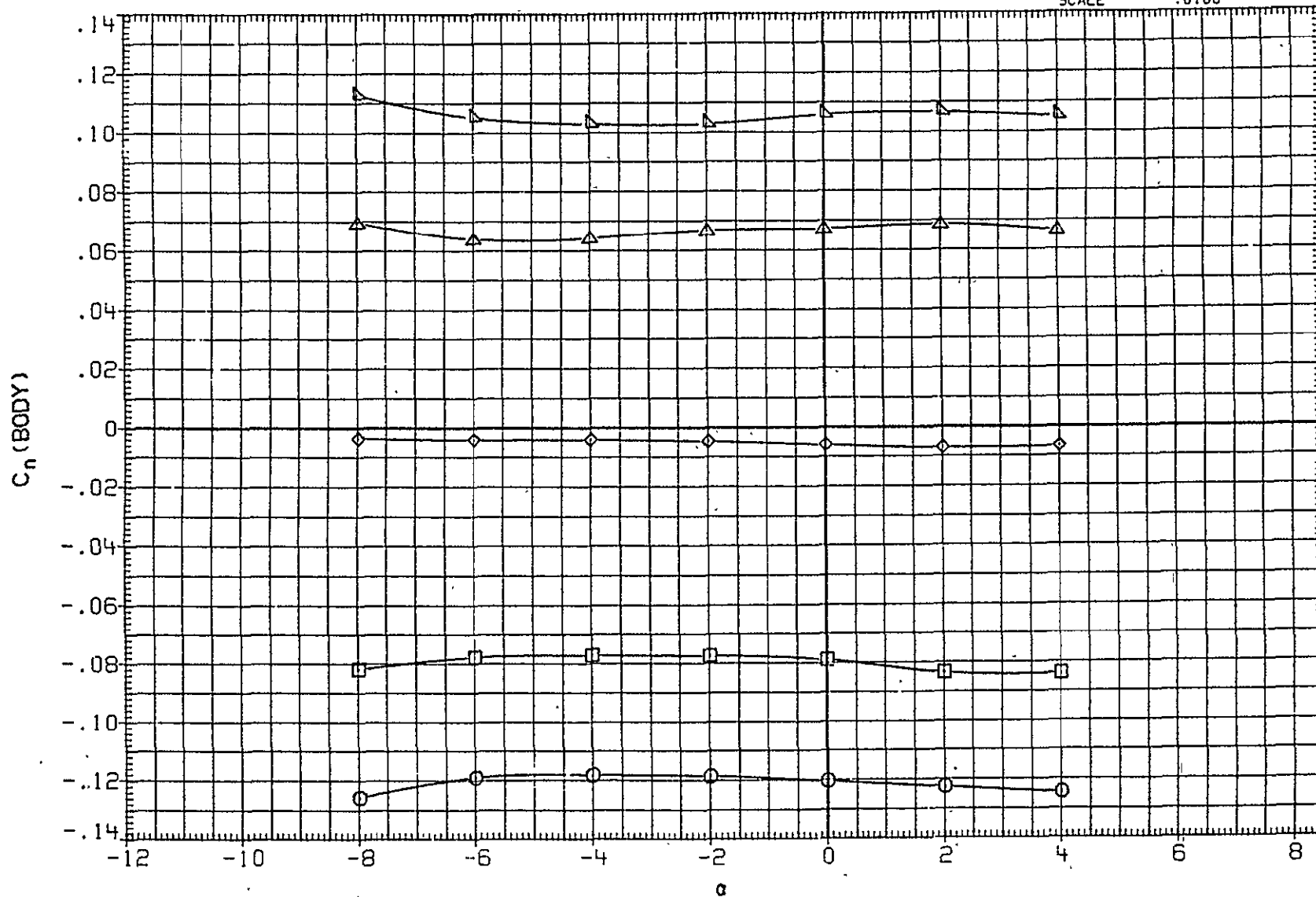


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

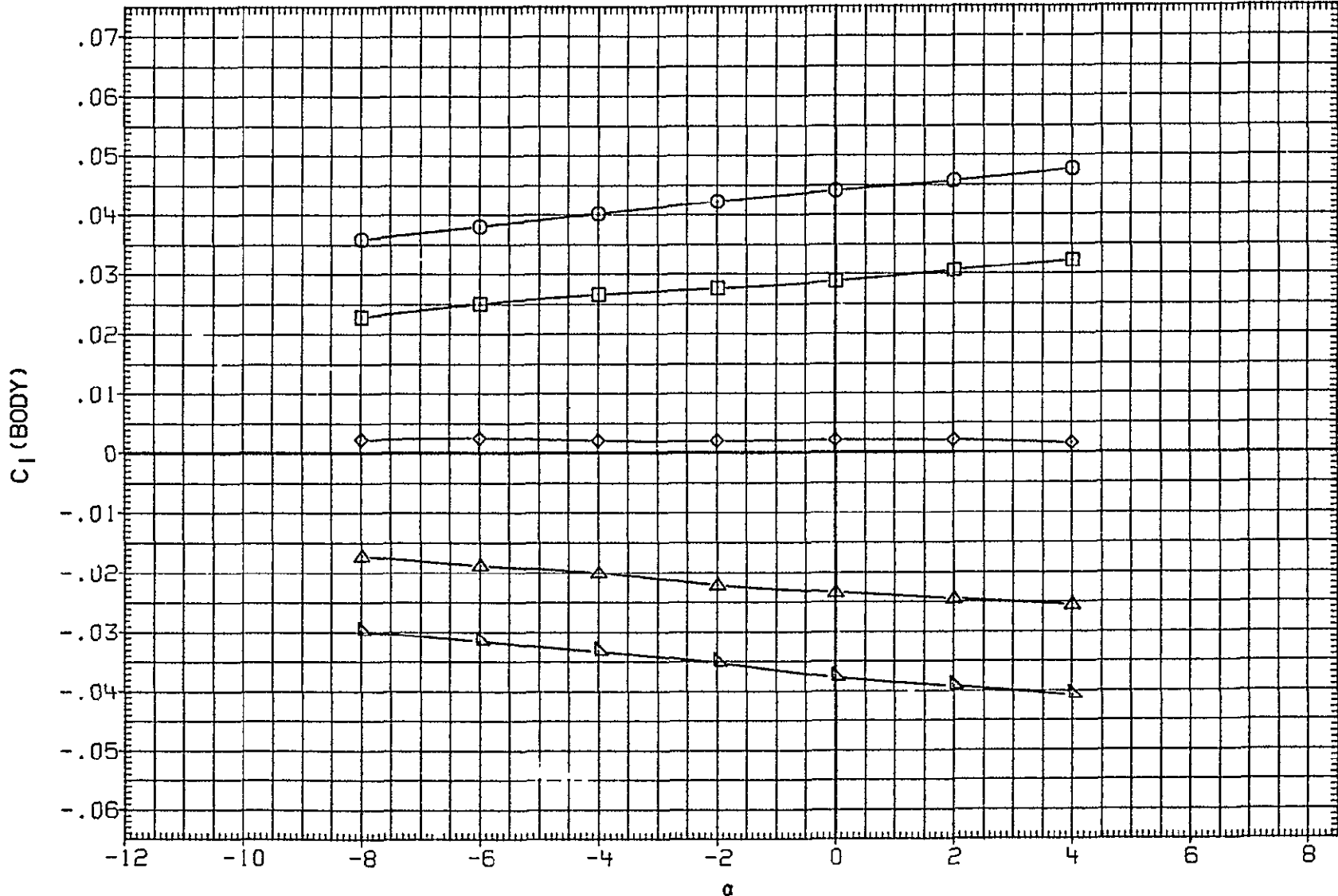


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50.FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

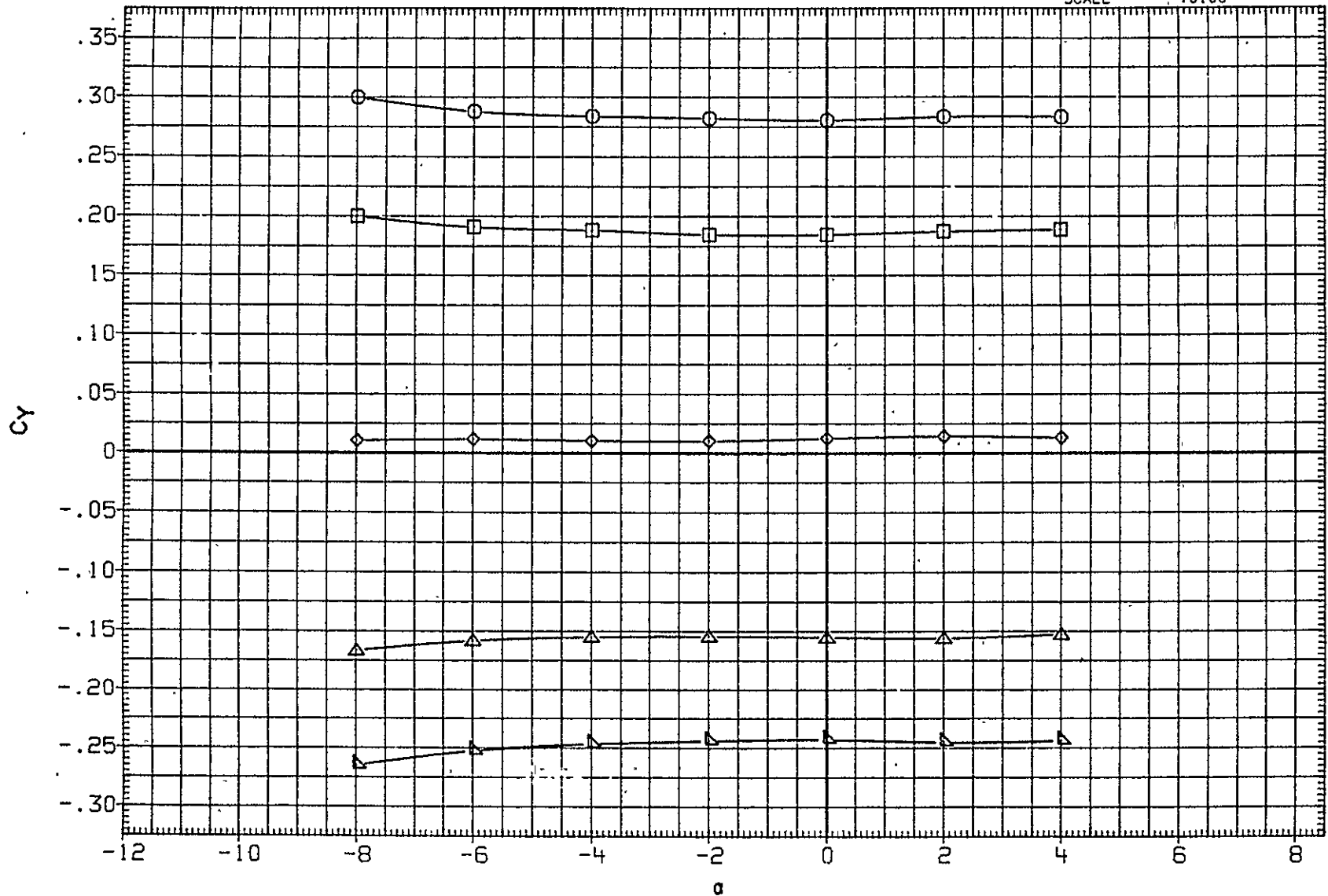


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152 (A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKA43	□	LARC UPWT 1152 (A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152 (A94A) OTSAT130	0.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152 (A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	YMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152 (A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	ZMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0.100	

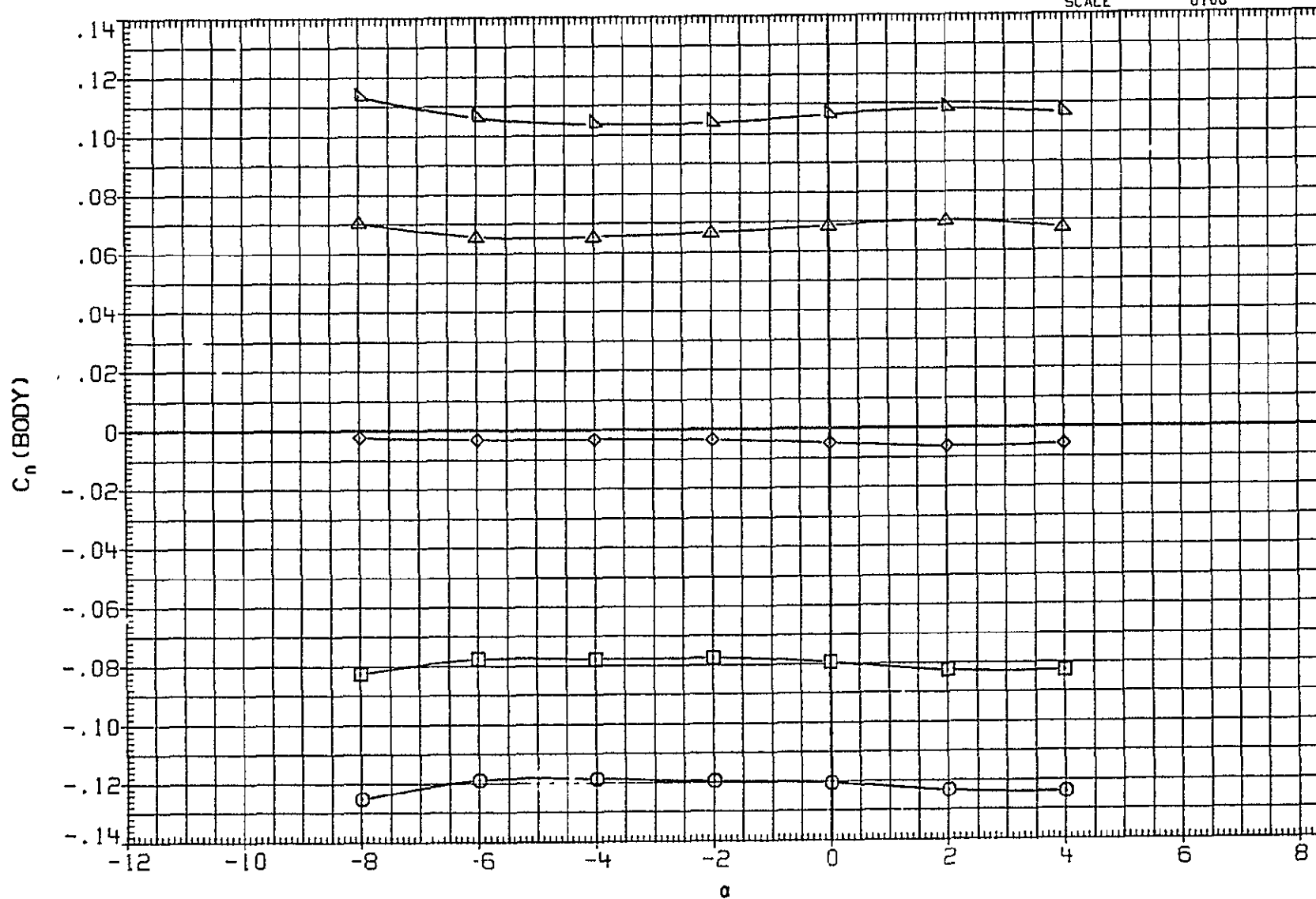


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKA43	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

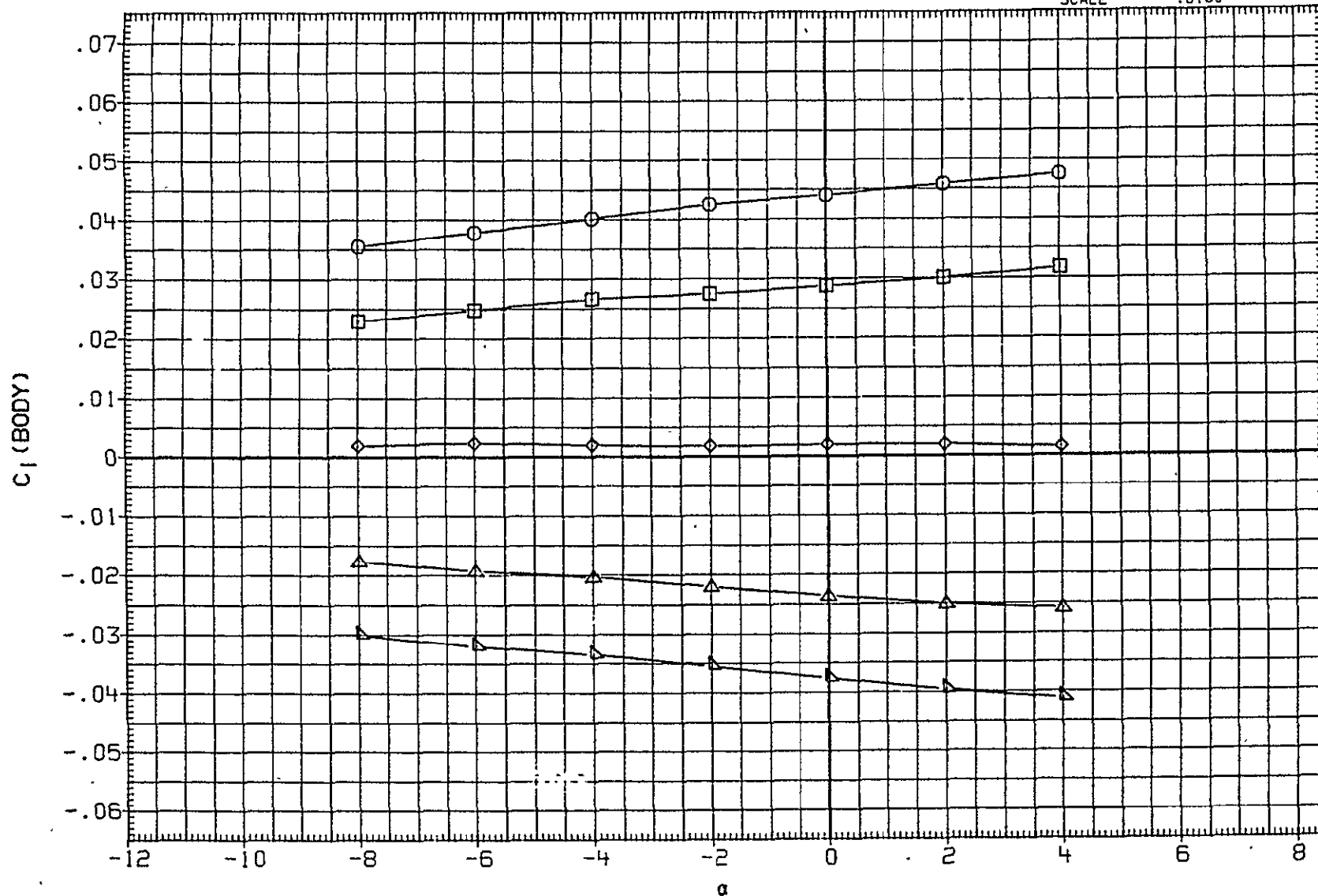


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

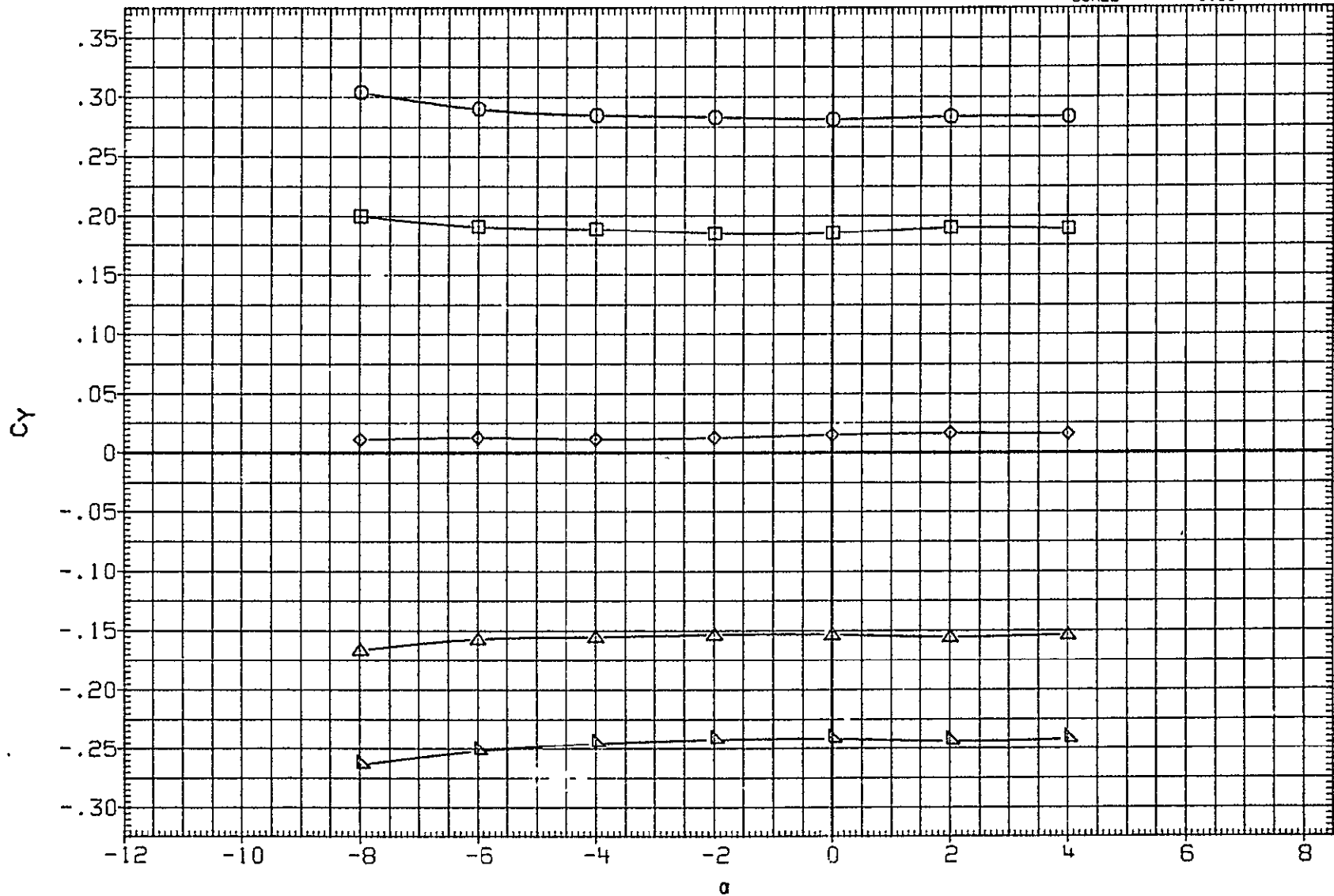


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

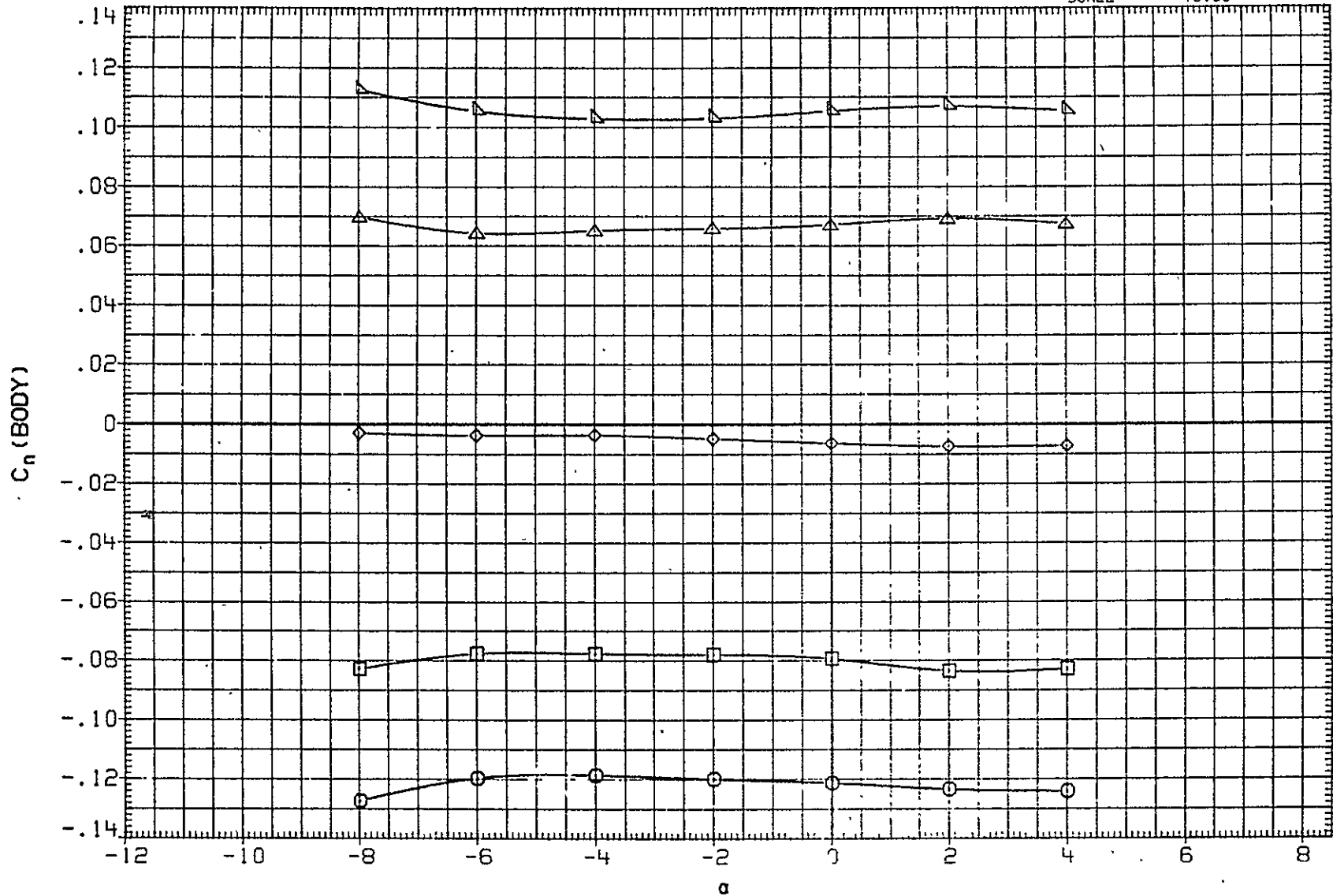


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	50 FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. YT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

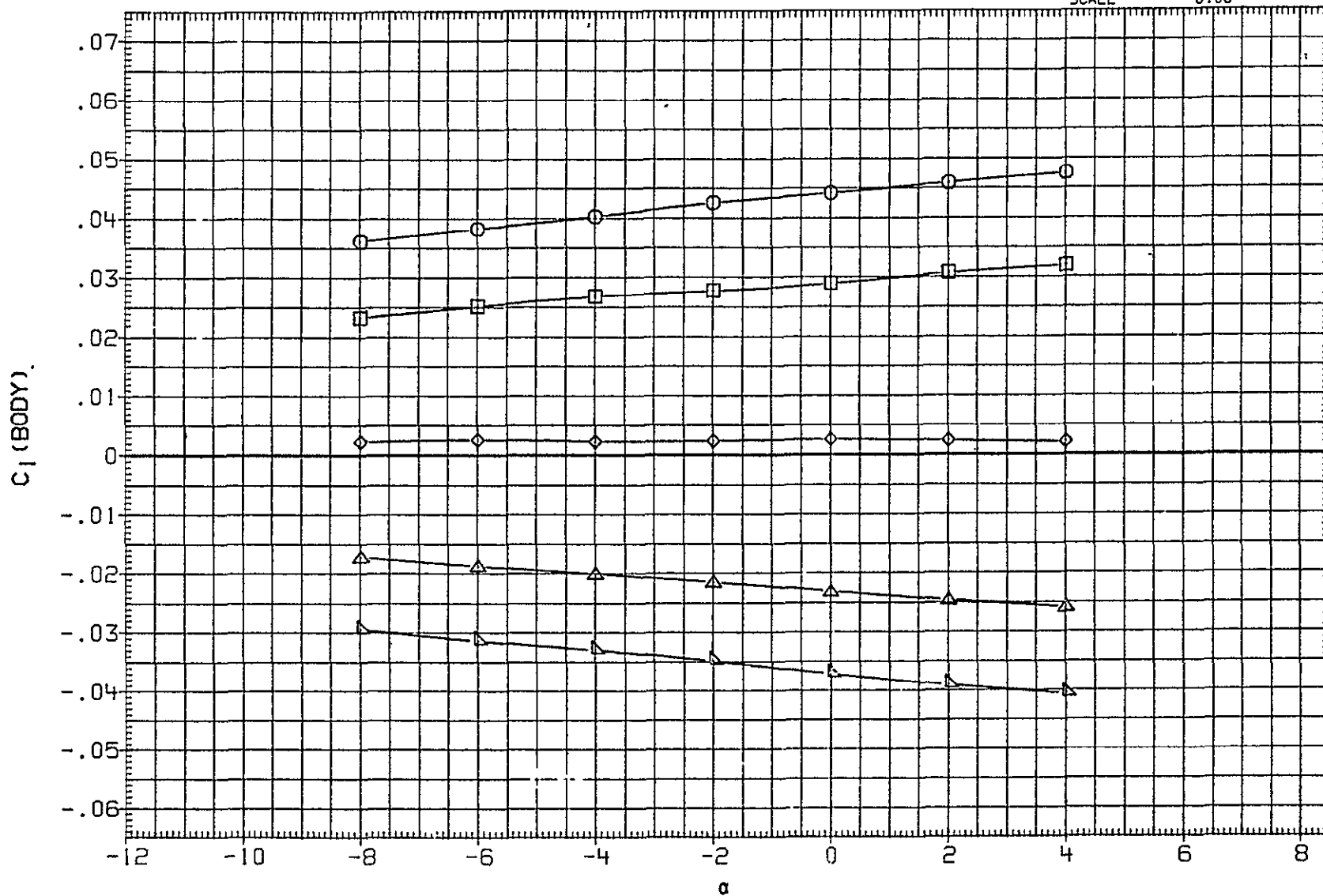


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

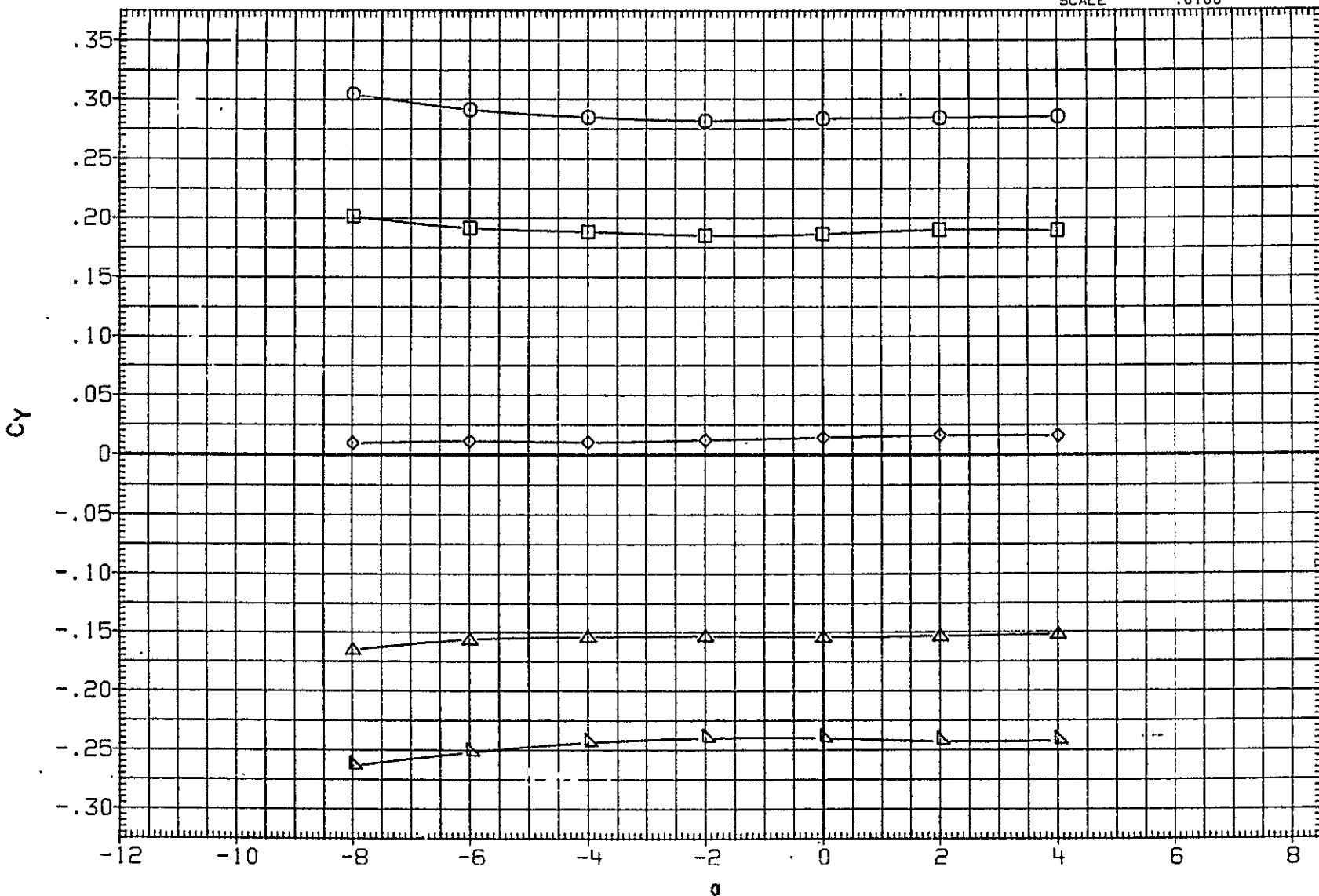


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LD	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKA52	○	LARC UPWT 1152 (1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000 SQ.FT.
MJKA53	□	LARC UPWT 1152 (1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000 INCHES
MJKA54	◇	LARC UPWT 1152 (1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000 INCHES
MJKA55	△	LARC UPWT 1152 (1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000 IN. XT
MJKA56	▽	LARC UPWT 1152 (1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000 IN. YT
								ZMRP	400.0000 IN. ZT
								SCALE	0100

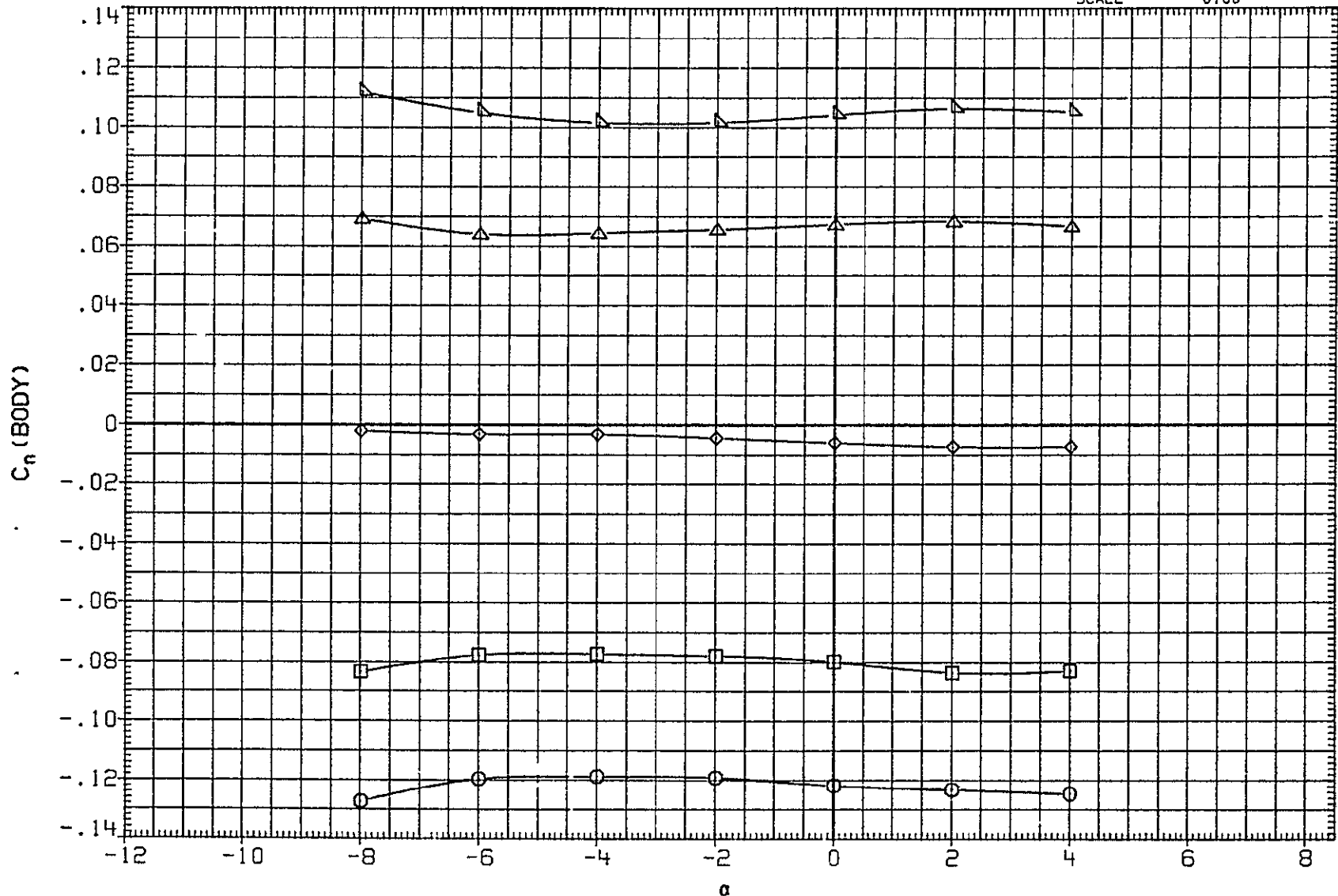


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

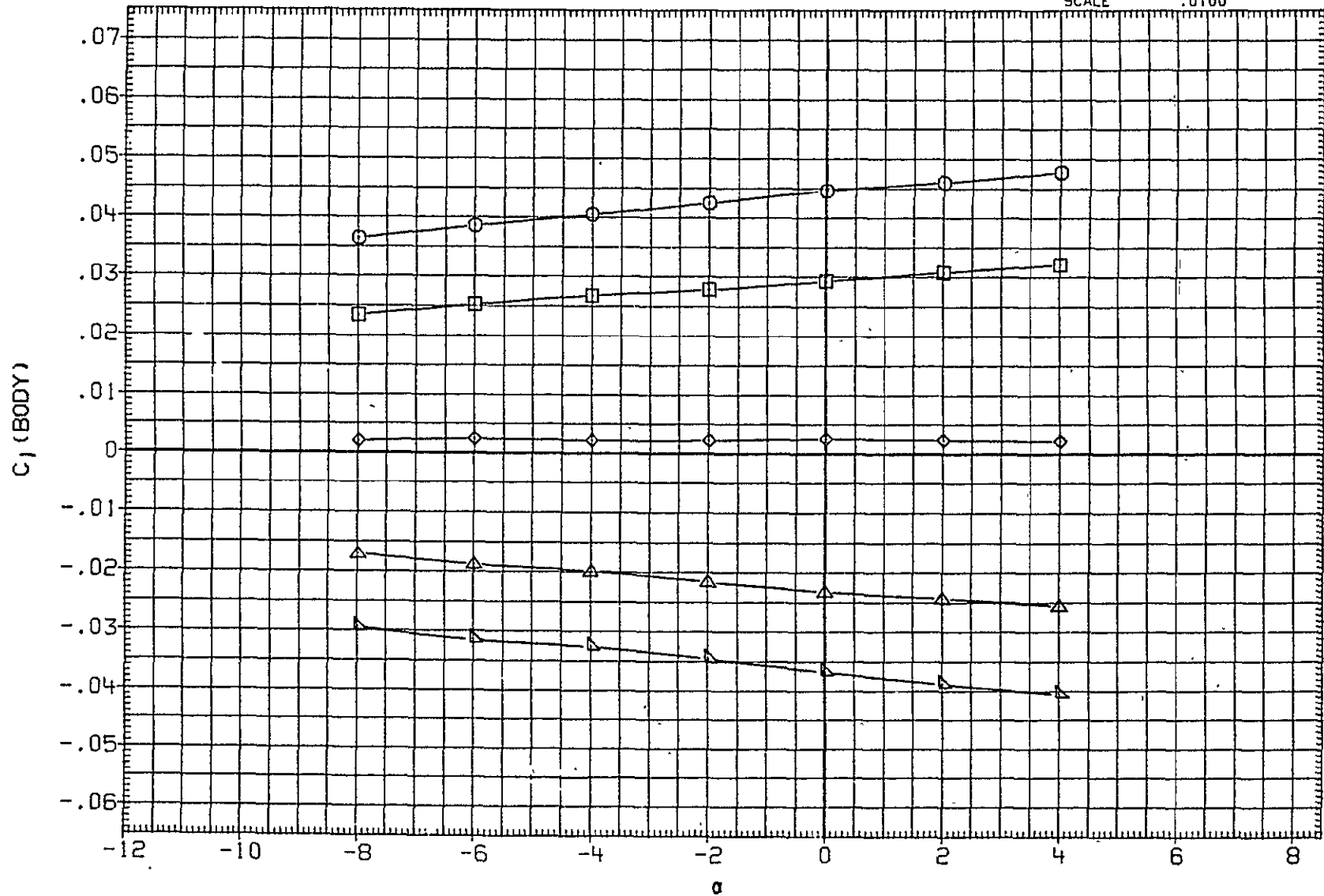


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8 000	-10.000	8.000	-10 000	SREF	2690.0000	50.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8 000	-10.000	8 000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8 000	-10.000	8.000	-10 000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8 000	-10 000	8 000	-10 000	XMRP	976 0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8 000	-10.000	8.000	-10 000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

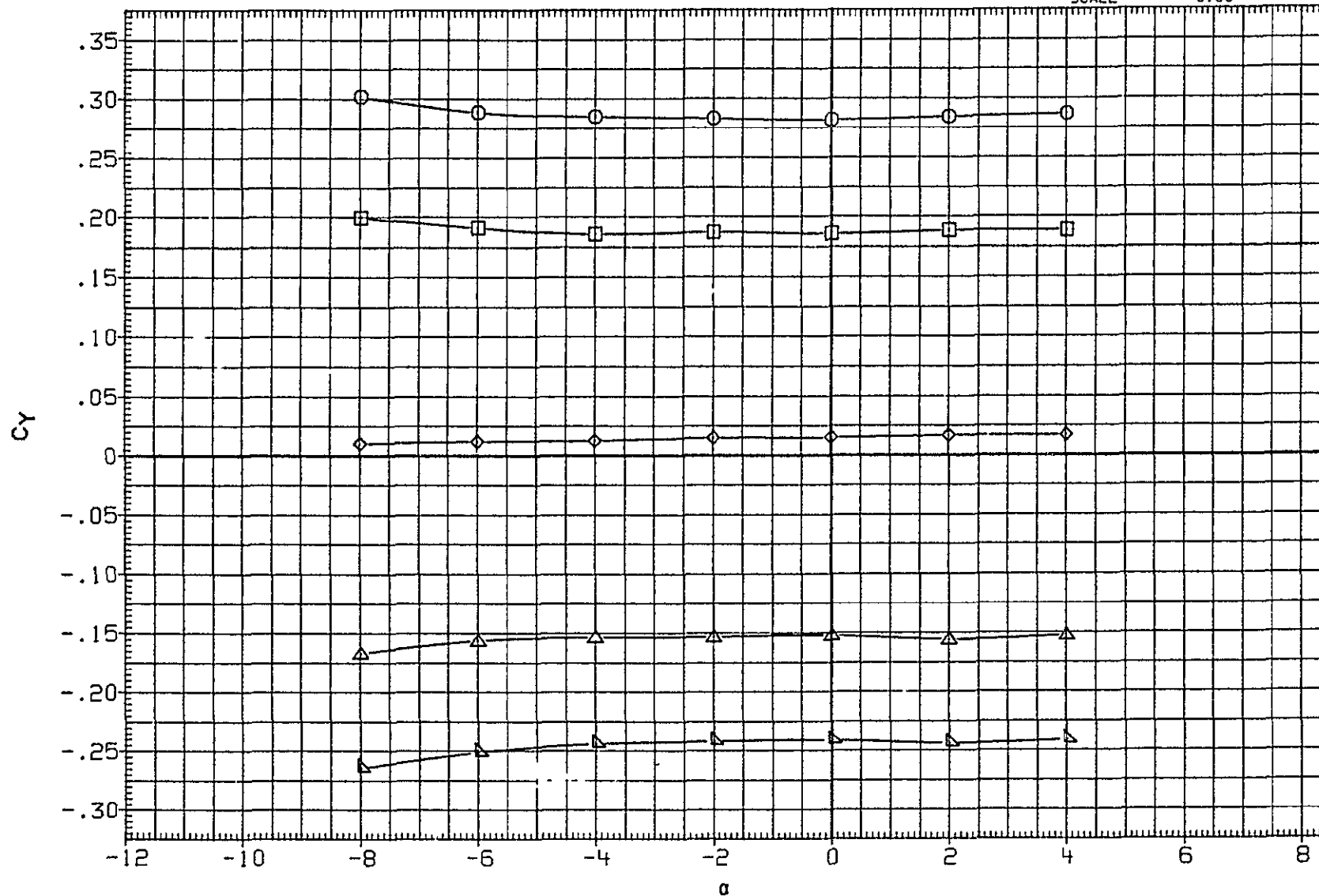


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSATI30	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSATI30	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSATI30	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSATI30	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSATI30	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

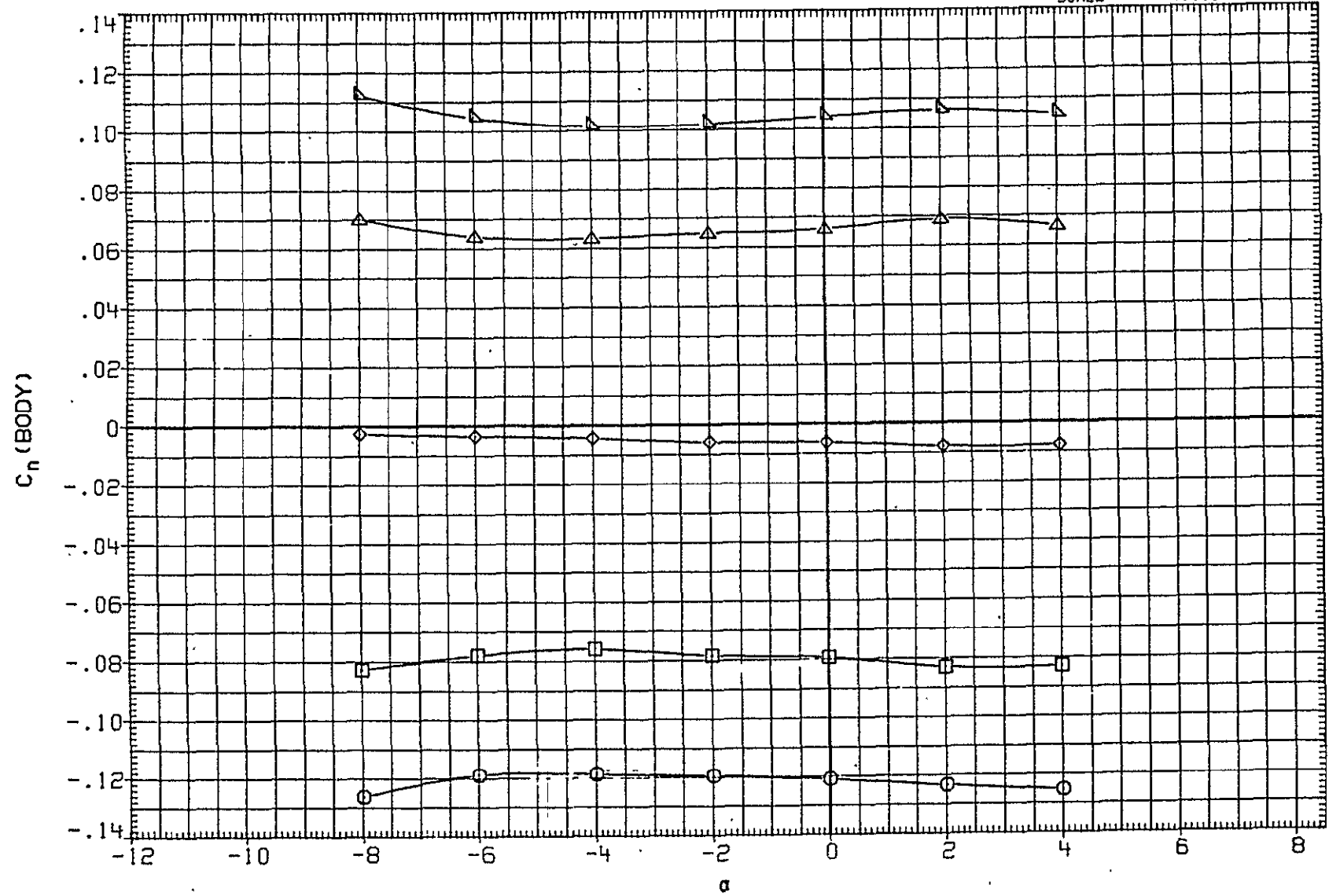


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LJ	ELV-L0	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	975.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

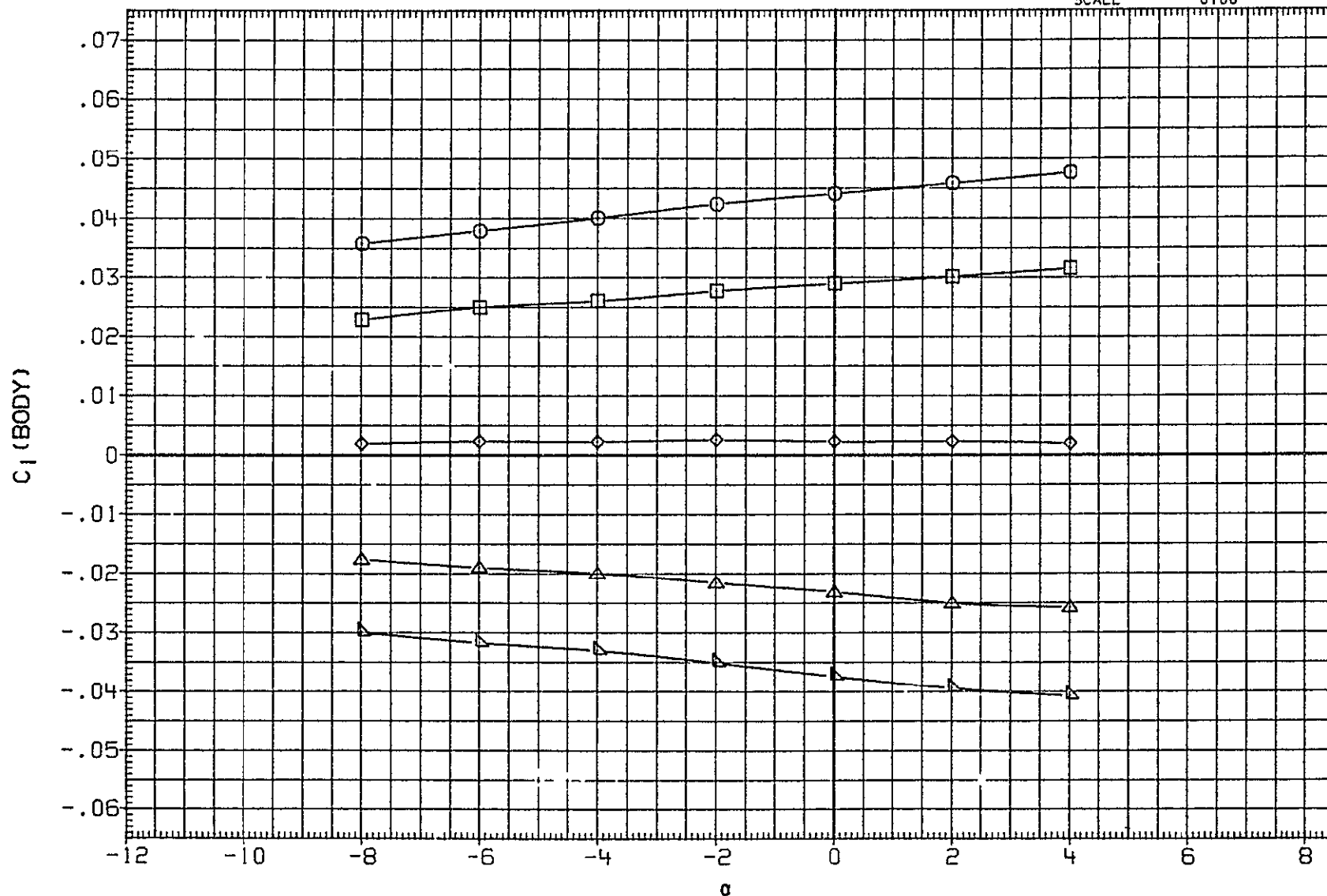


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2630.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

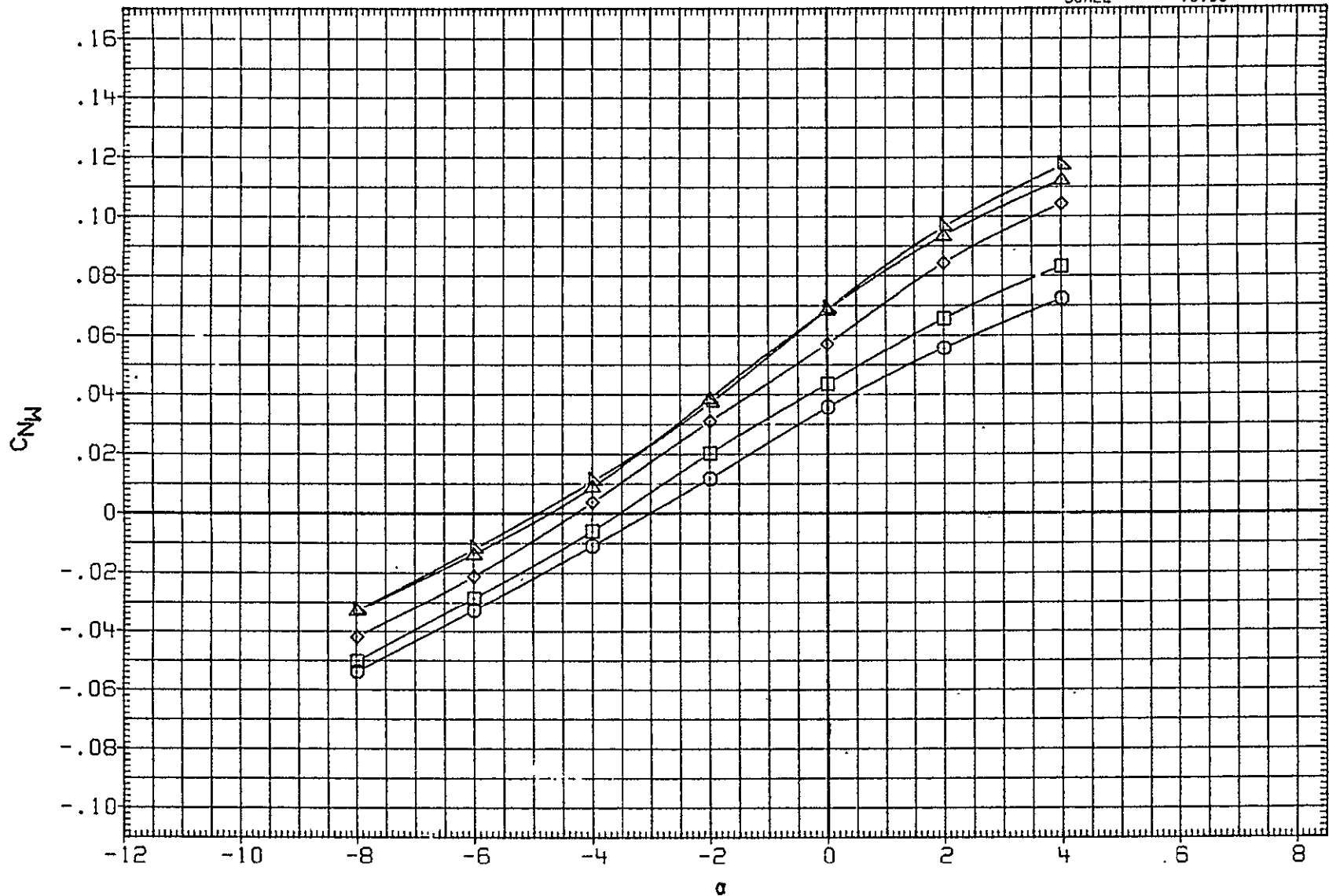


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION			
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10 000	-5 000	10.000	-5.000	SREF	2690	0000	50 FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10 000	-5.000	10 000	-5.000	LREF	1290	3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10 000	-5 000	BREF	1290	3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10 000	-5 000	10.000	-5.000	XMRP	976	0000	IN XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10 000	-5 000	10 000	-5.000	YMRP	0000	0000	IN. YT
								ZMRP	400	0000	IN ZT
								SCALE		0100	

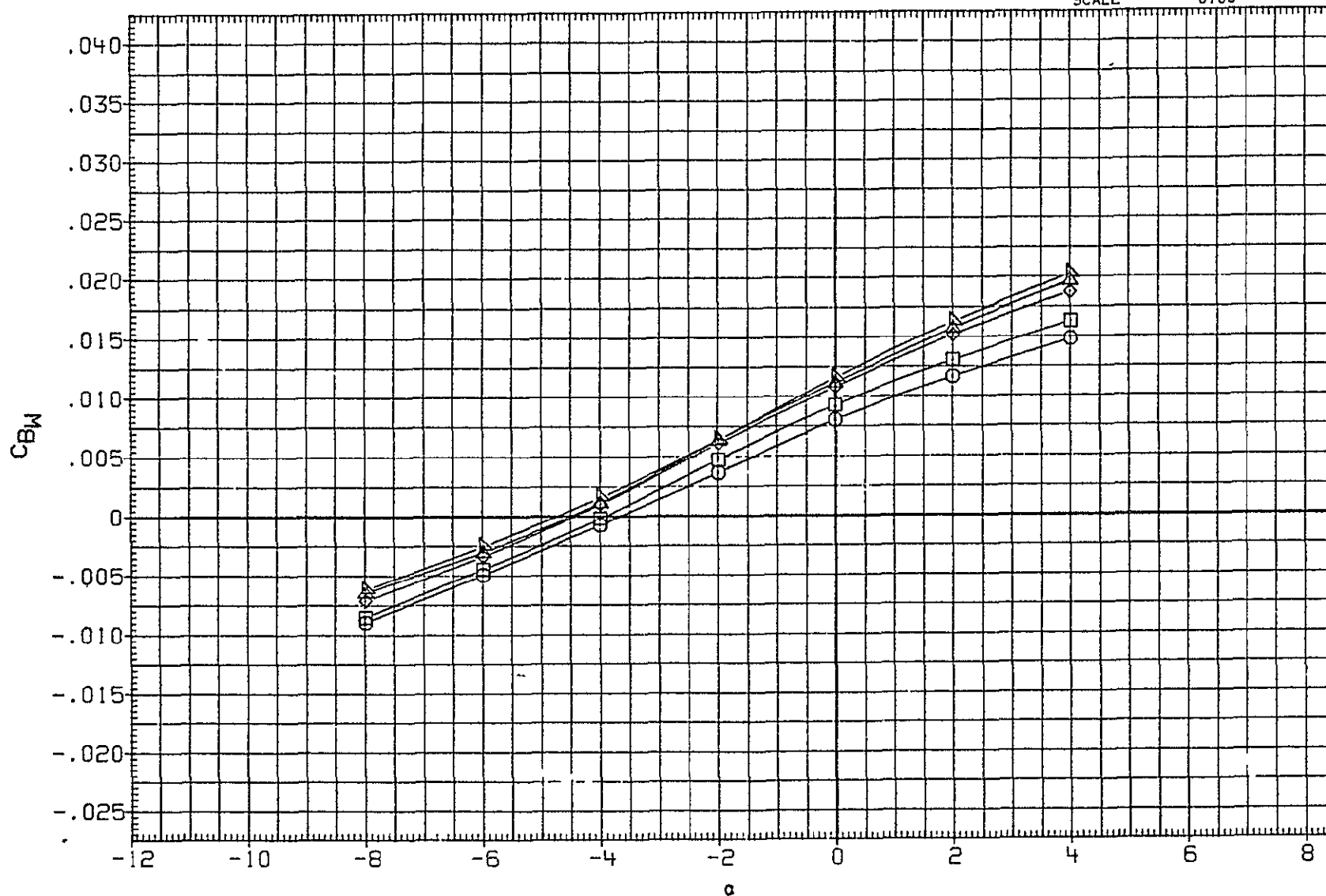


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

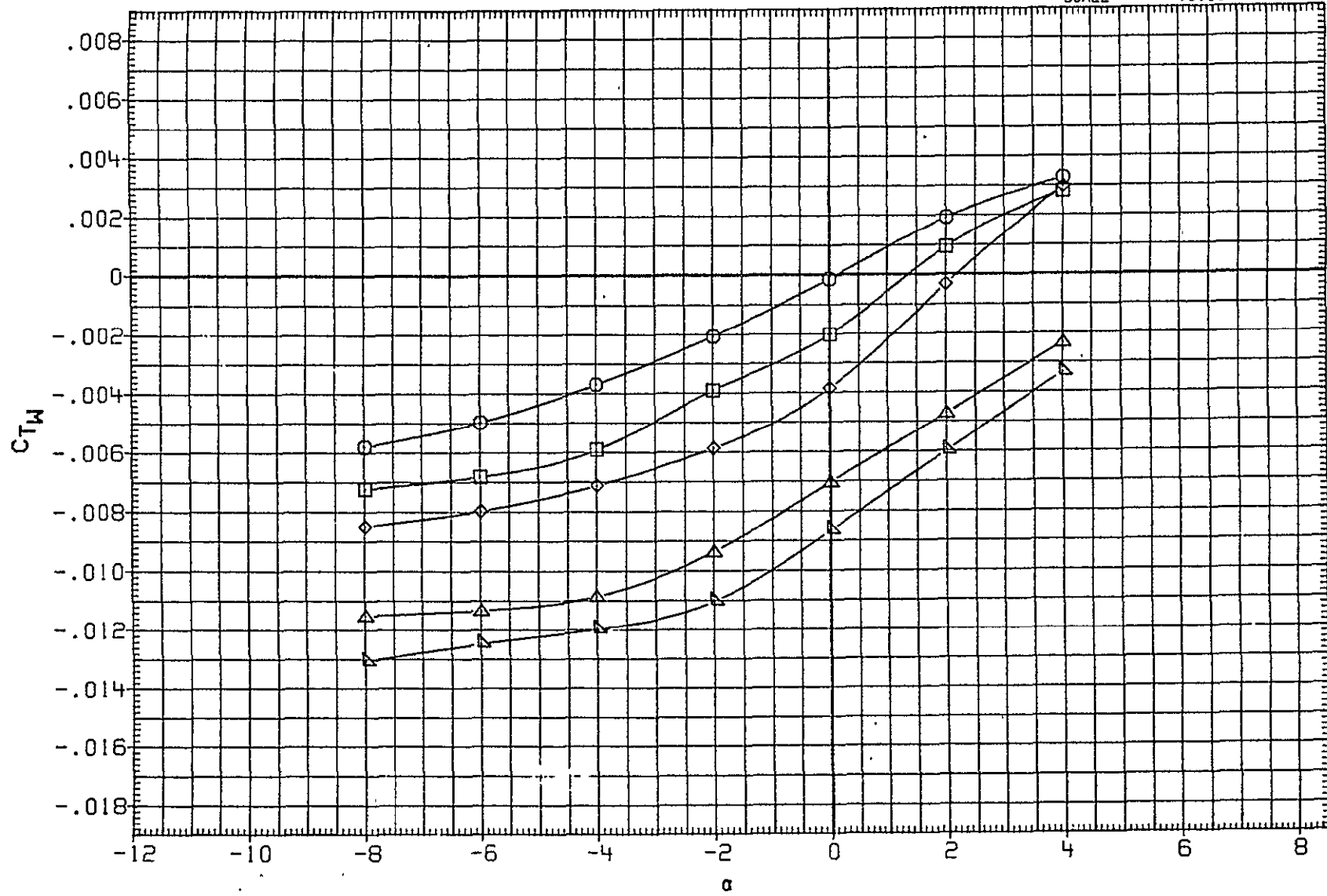


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

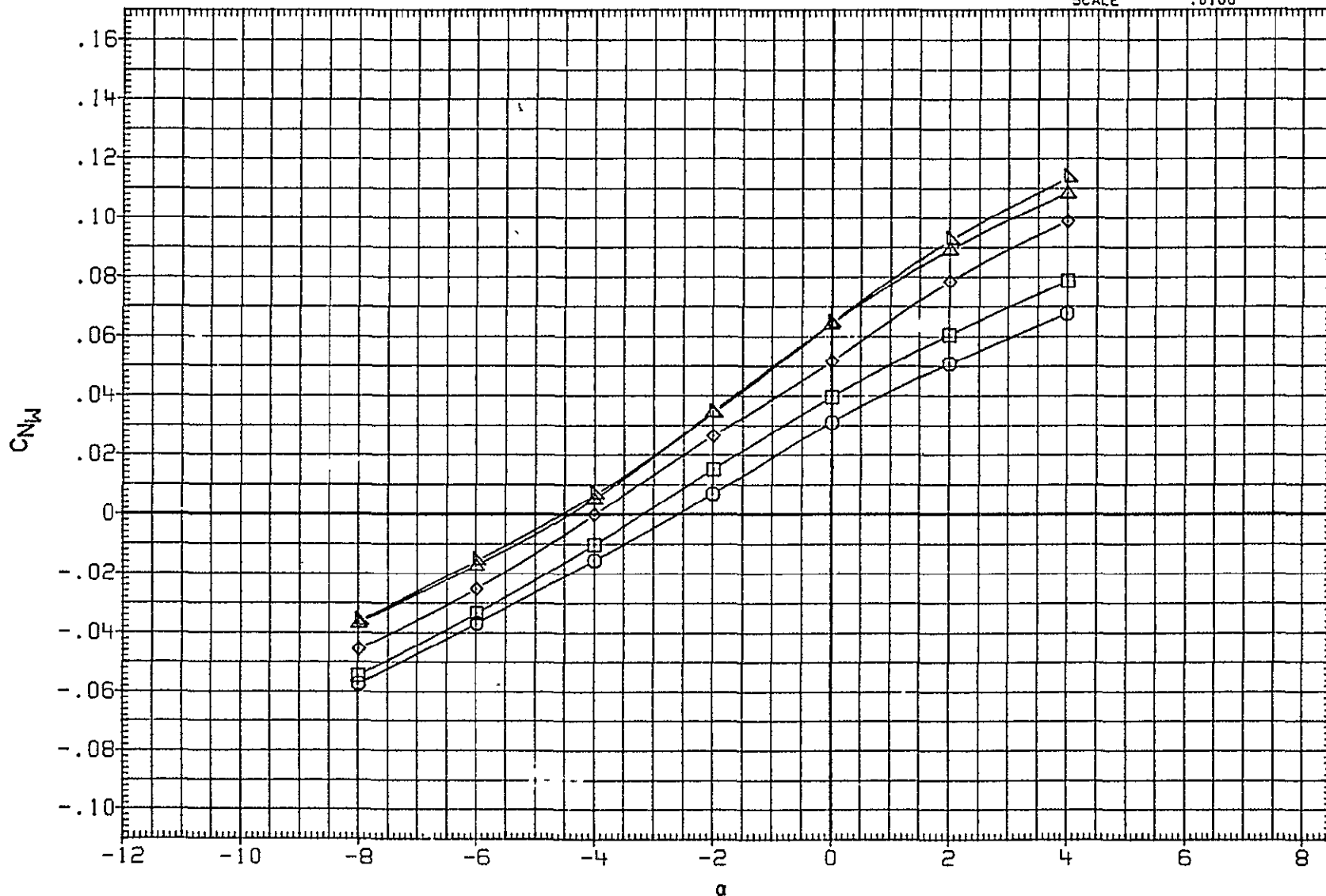


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	◇	LARC UPWT 1152(1A94) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	□	LARC UPWT 1152(1A94) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

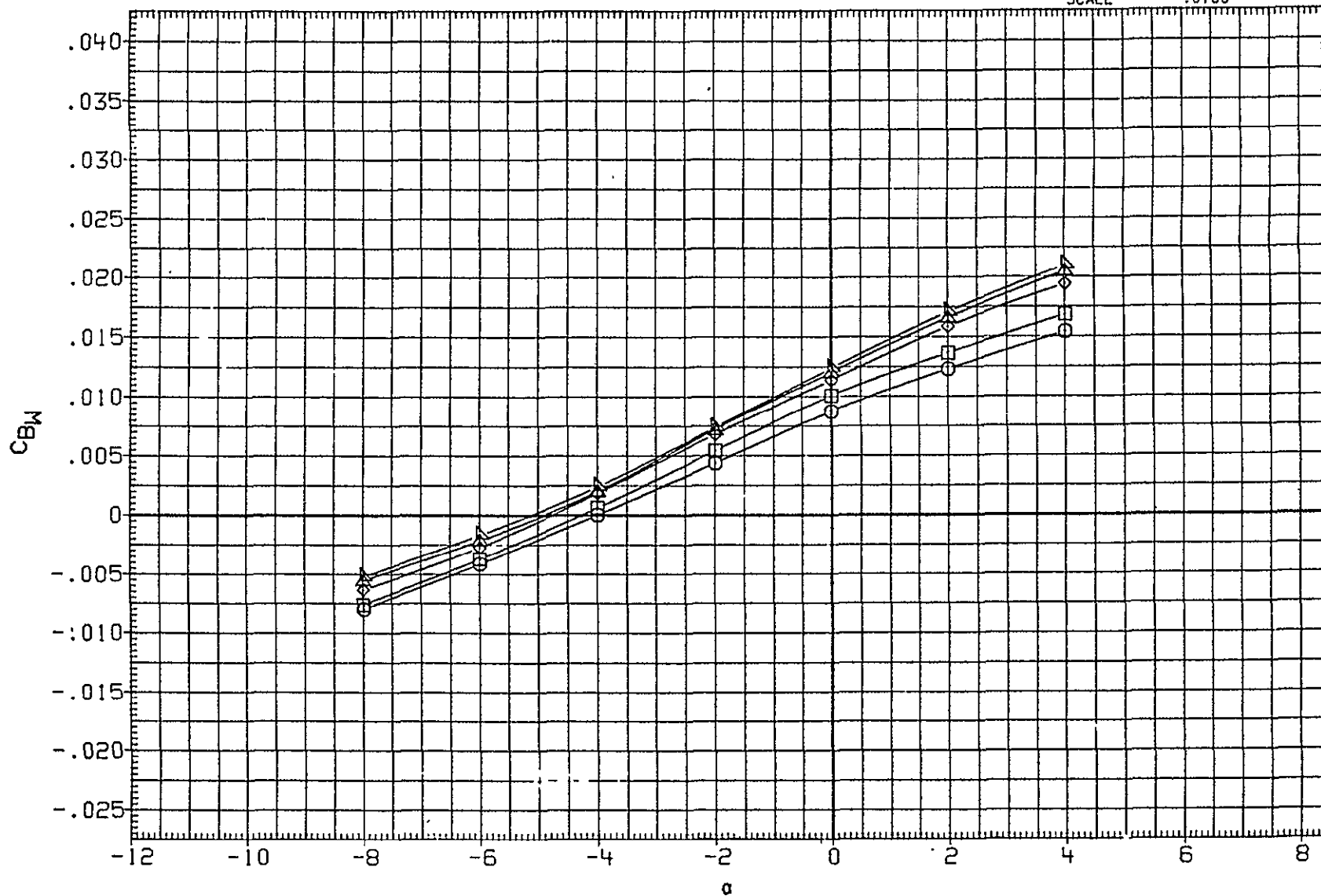


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□	LARC UPWT 1152(1A94) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

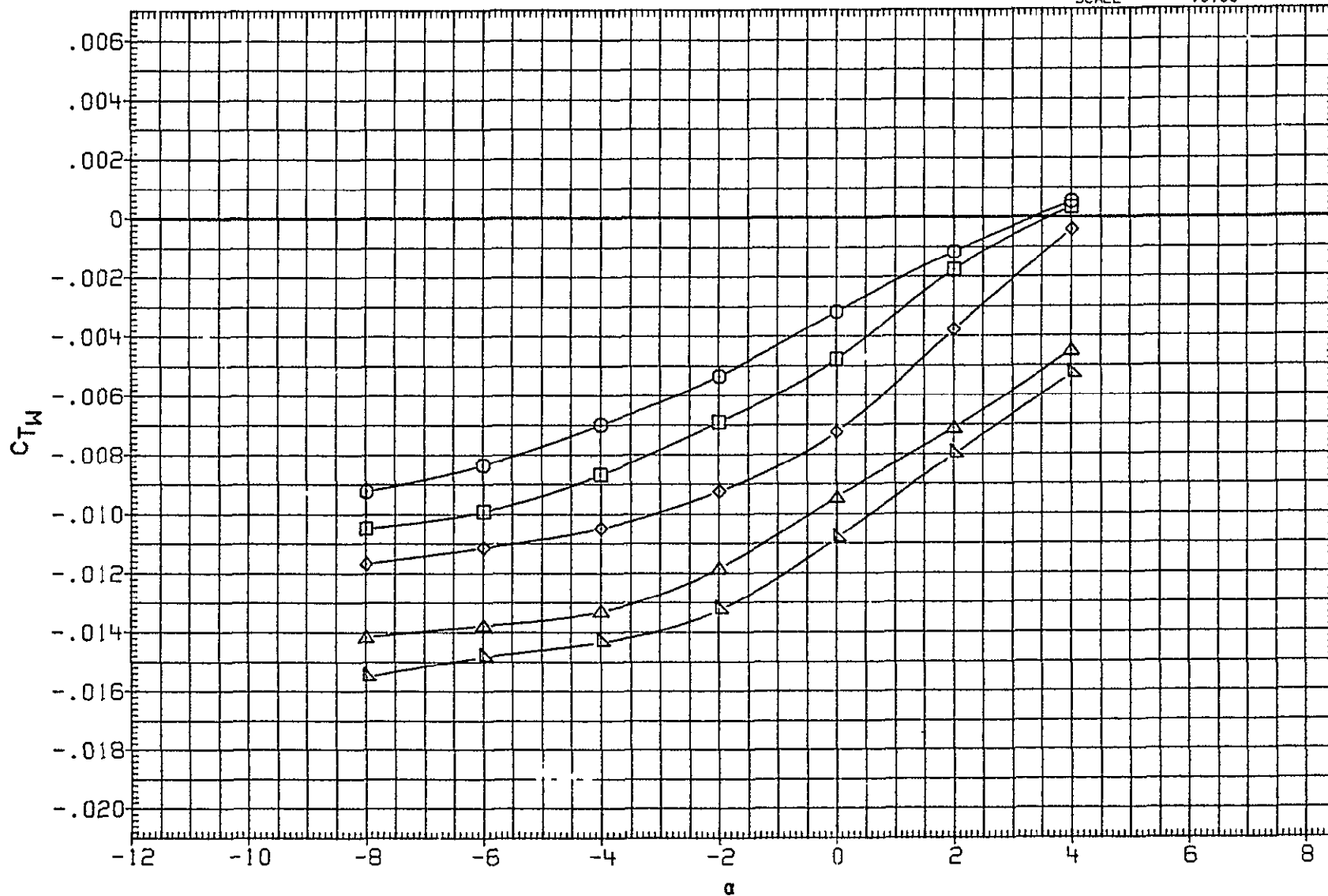


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

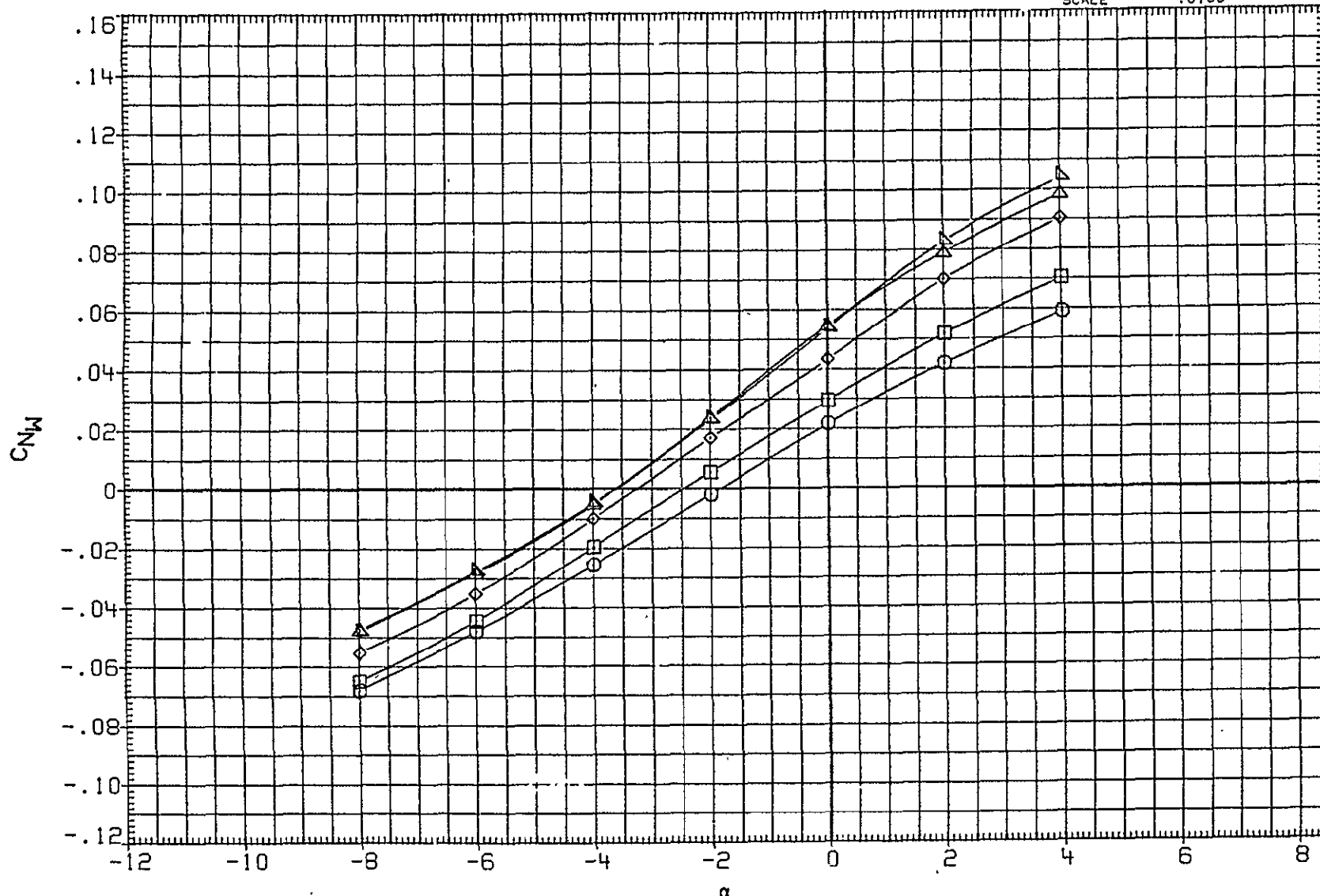


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	△	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	◇	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

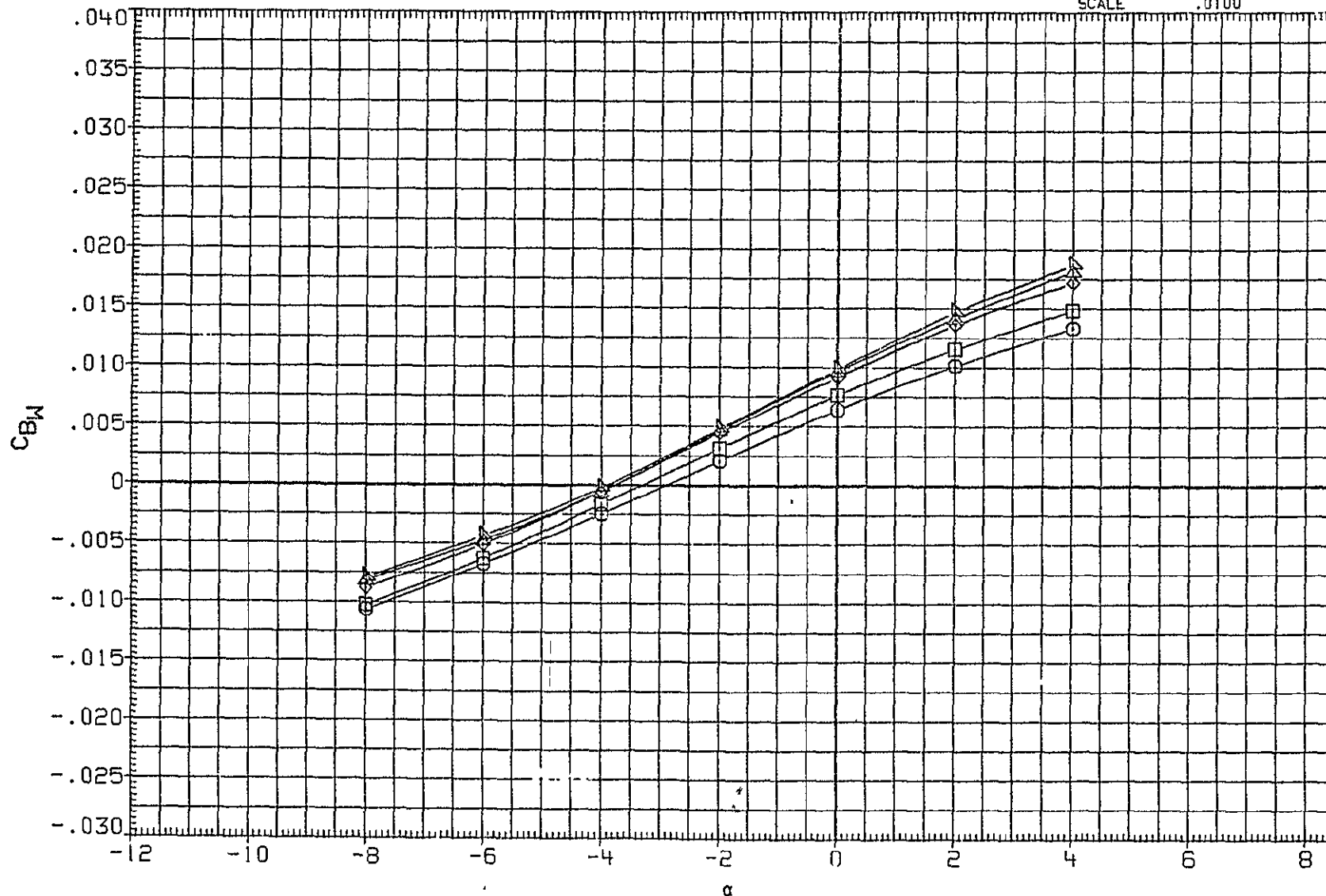


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152 (1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152 (1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152 (1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152 (1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152 (1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

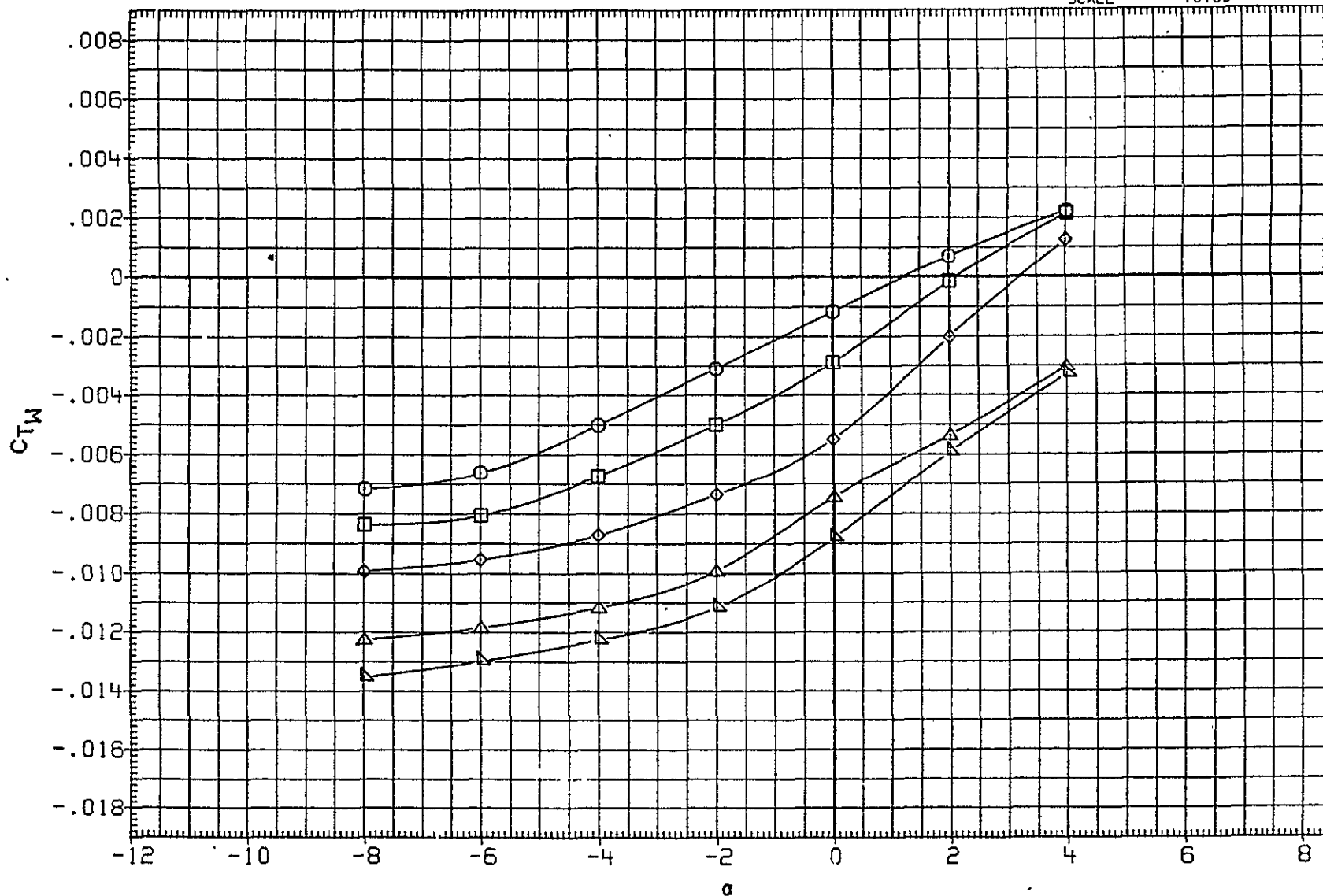


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	0100	

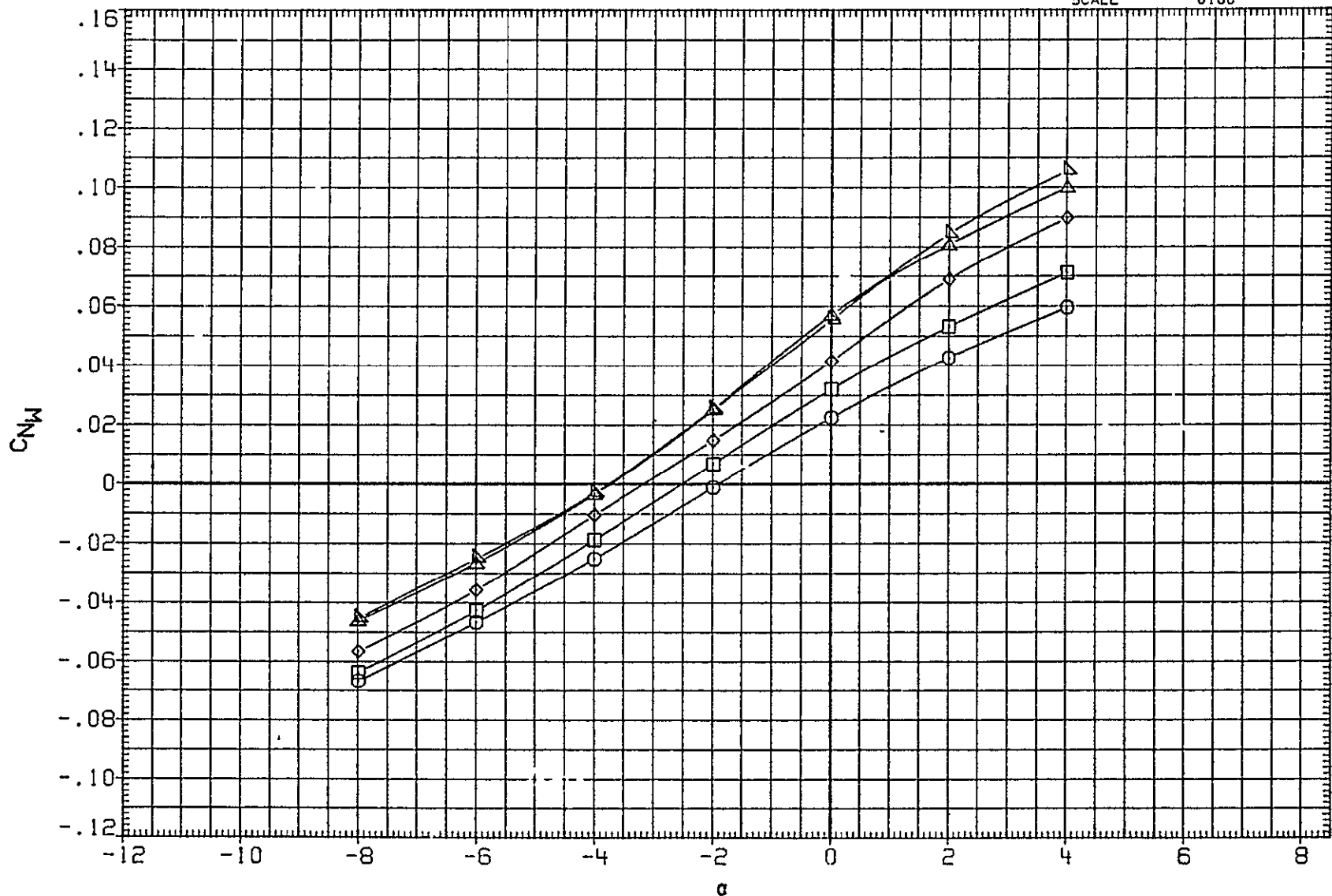


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

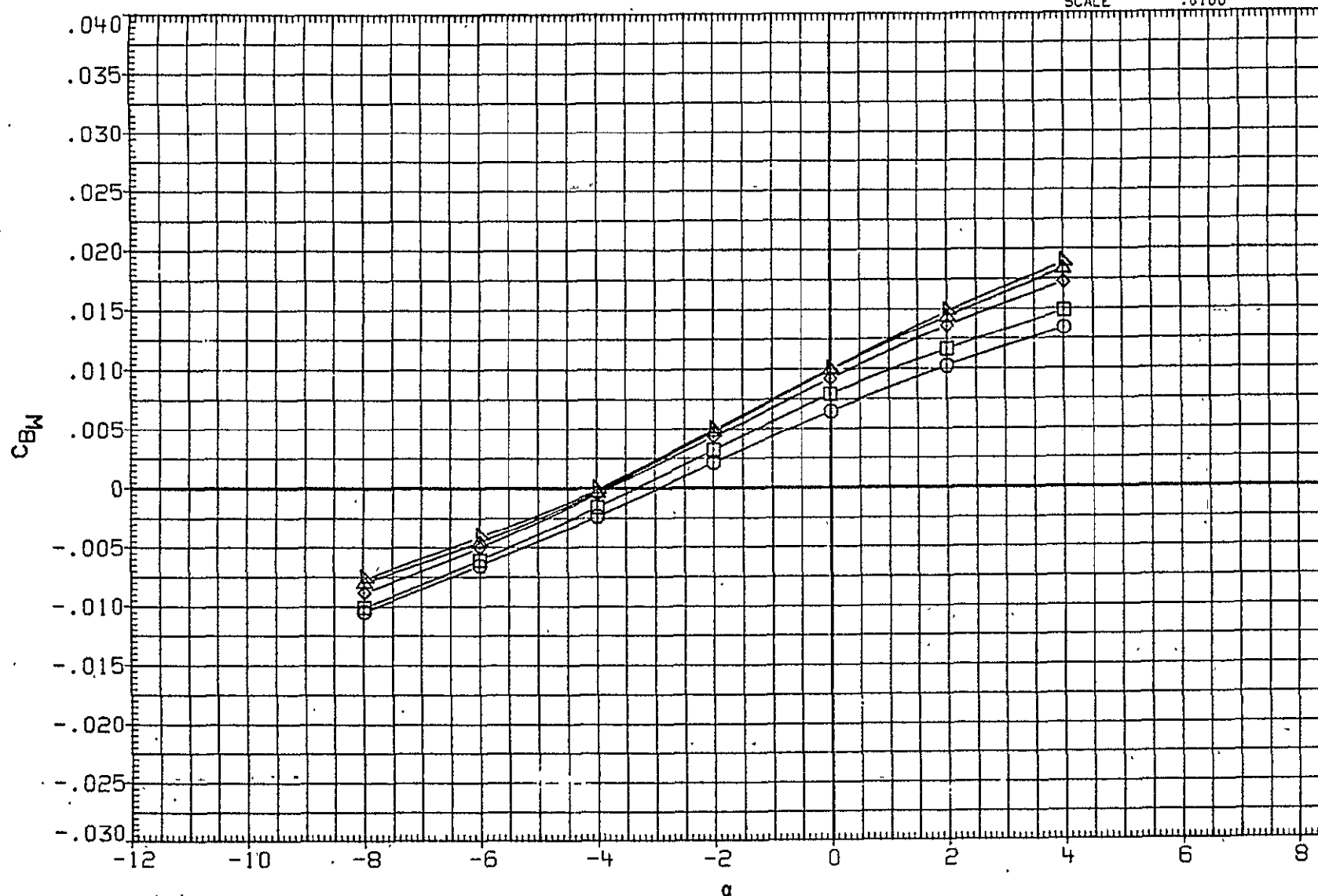


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

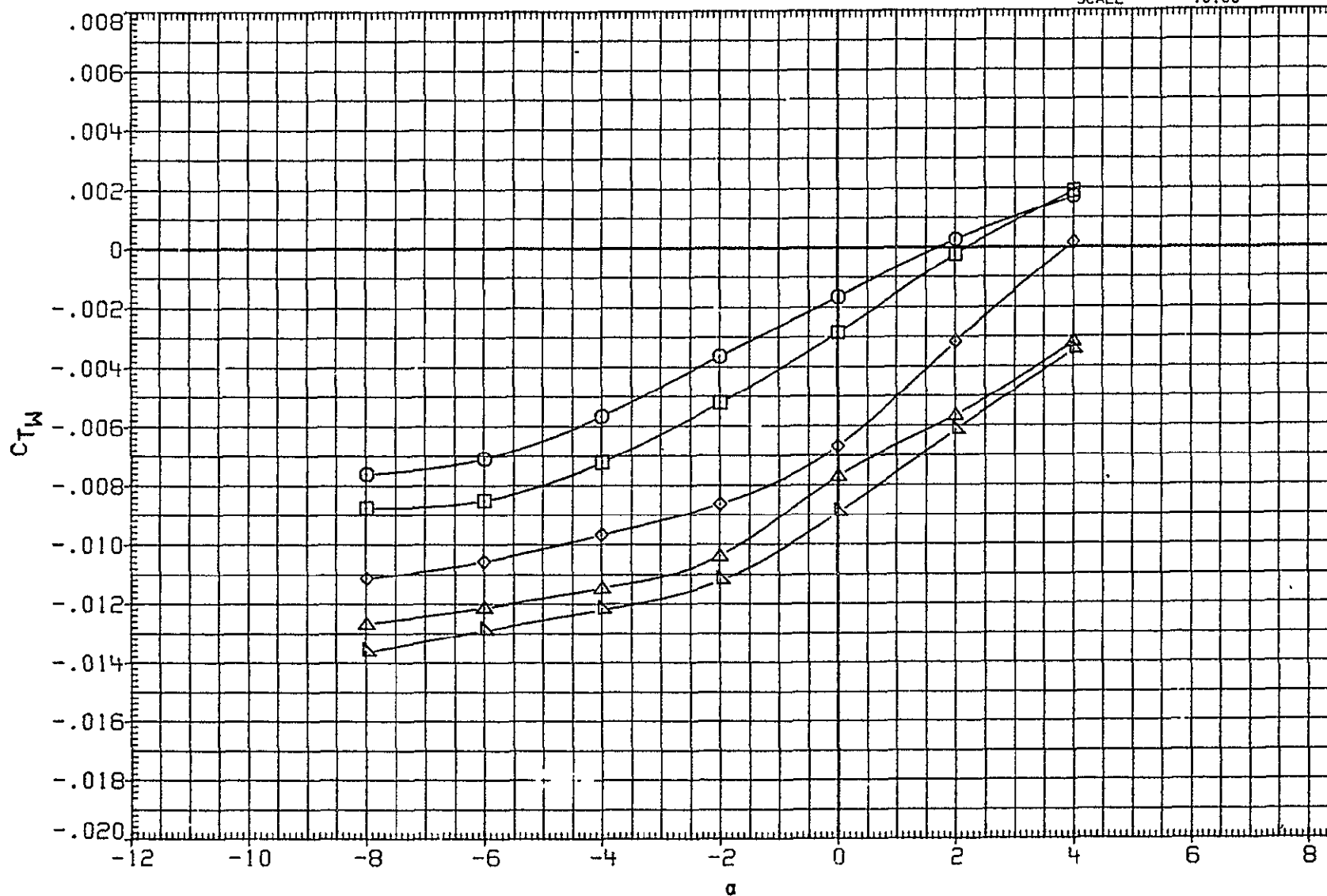


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SO.FT.
MJKA38	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	7.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	



FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	50 FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

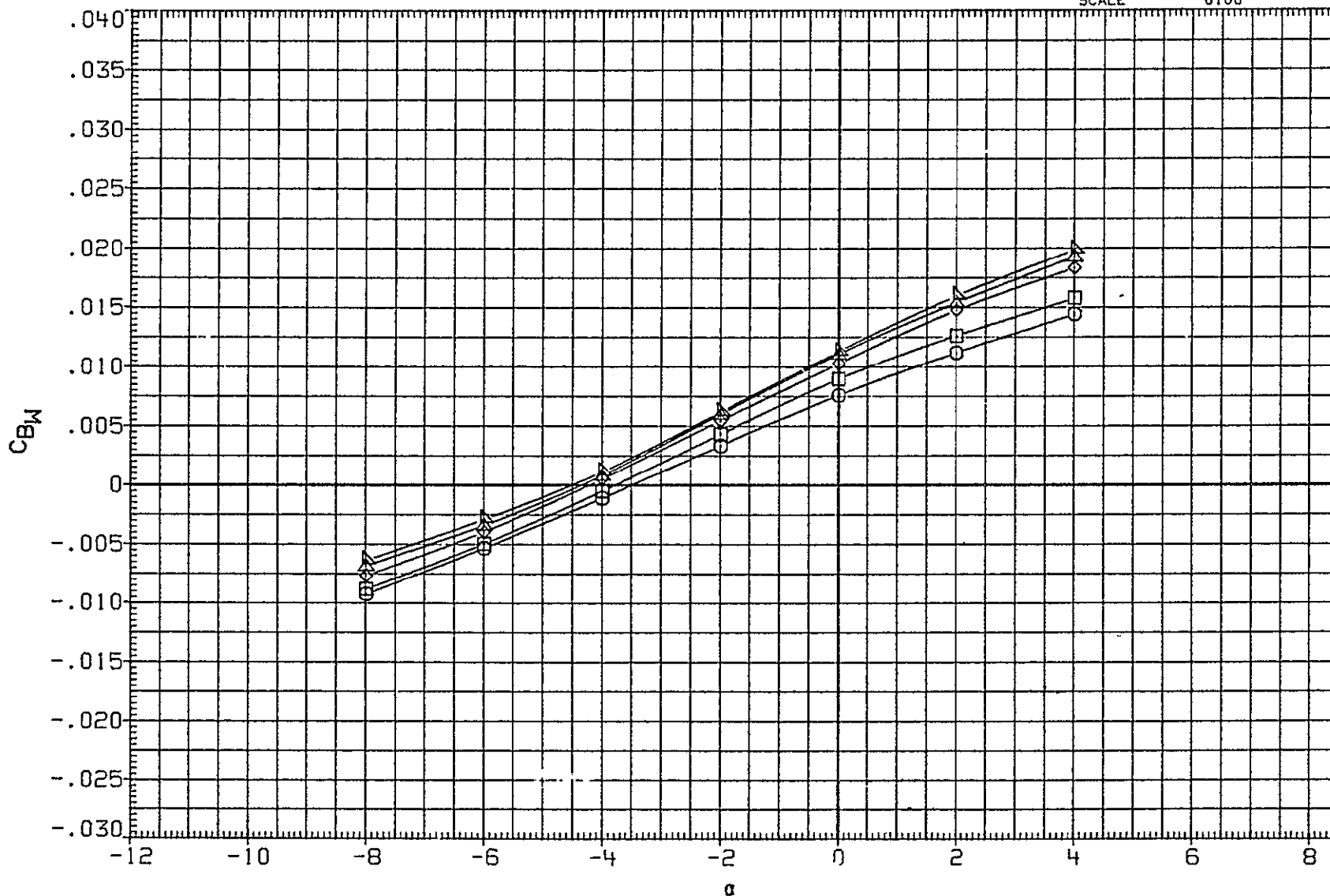


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA38	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

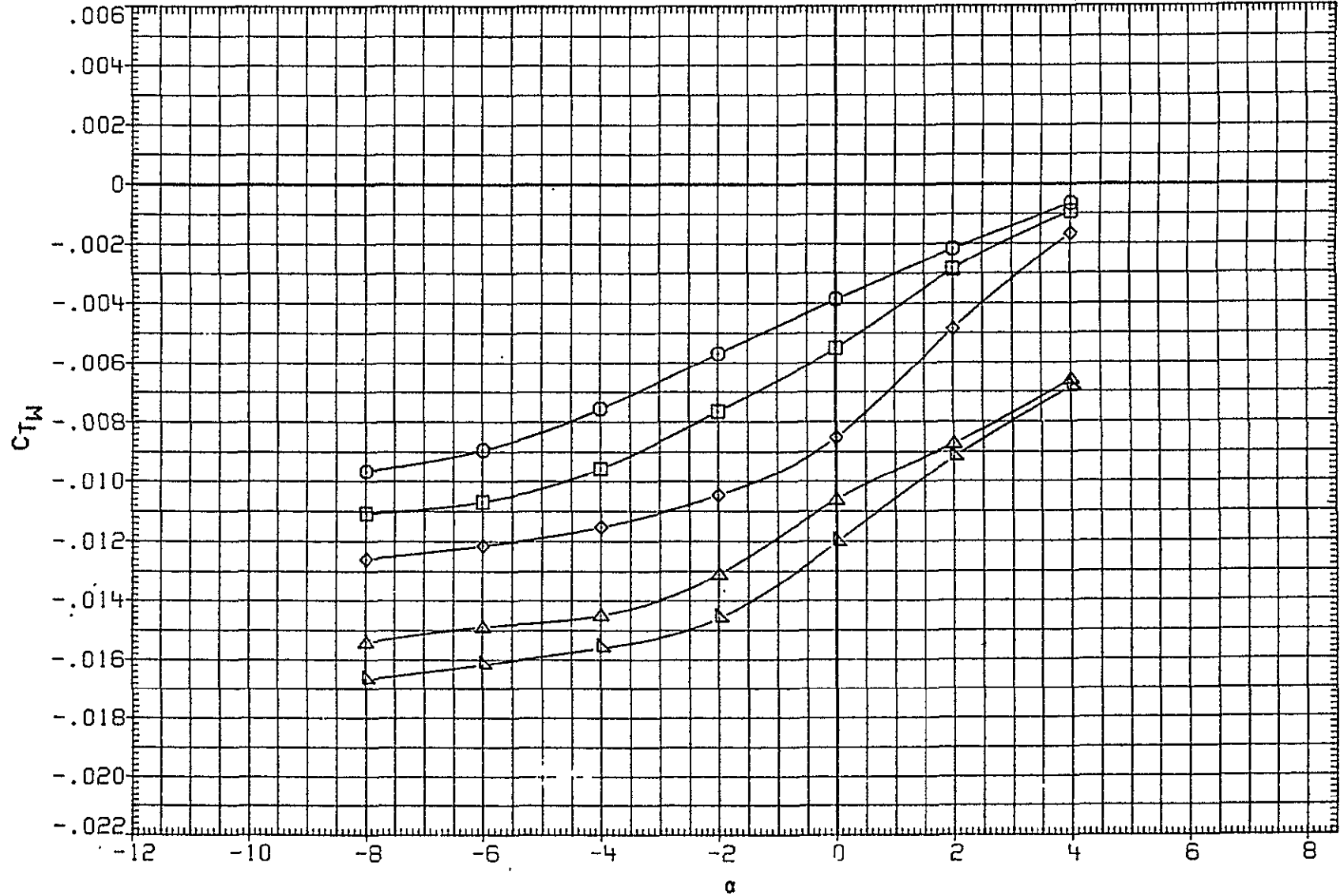


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION
MJKA42	LARC UPWT 1152(1A94) OTSAT130	-6 000	12 000	2.000	12 000	2.000	SREF 2690 0000 SQ.FT
MJKA43	LARC UPWT 1152(1A94) OTSAT130	-4 000	12 000	2.000	12.000	2 000	LREF 1290 3000 INCHES
MJKA44	LARC UPWT 1152(1A94) OTSAT130	.000	12.000	2 000	12 000	2 000	BREF 1290.3000 INCHES
MJKA45	LARC UPWT 1152(1A94) OTSAT130	4 000	12 000	2 000	12 000	2.000	XMRP 976 0000 IN XT
MJKA46	LARC UPWT 1152(1A94) OTSAT130	6 000	12 000	2 000	12 000	2.000	YMRP 0000 IN. YT
							ZMRP 400 0000 IN ZT
							SCALE 0100

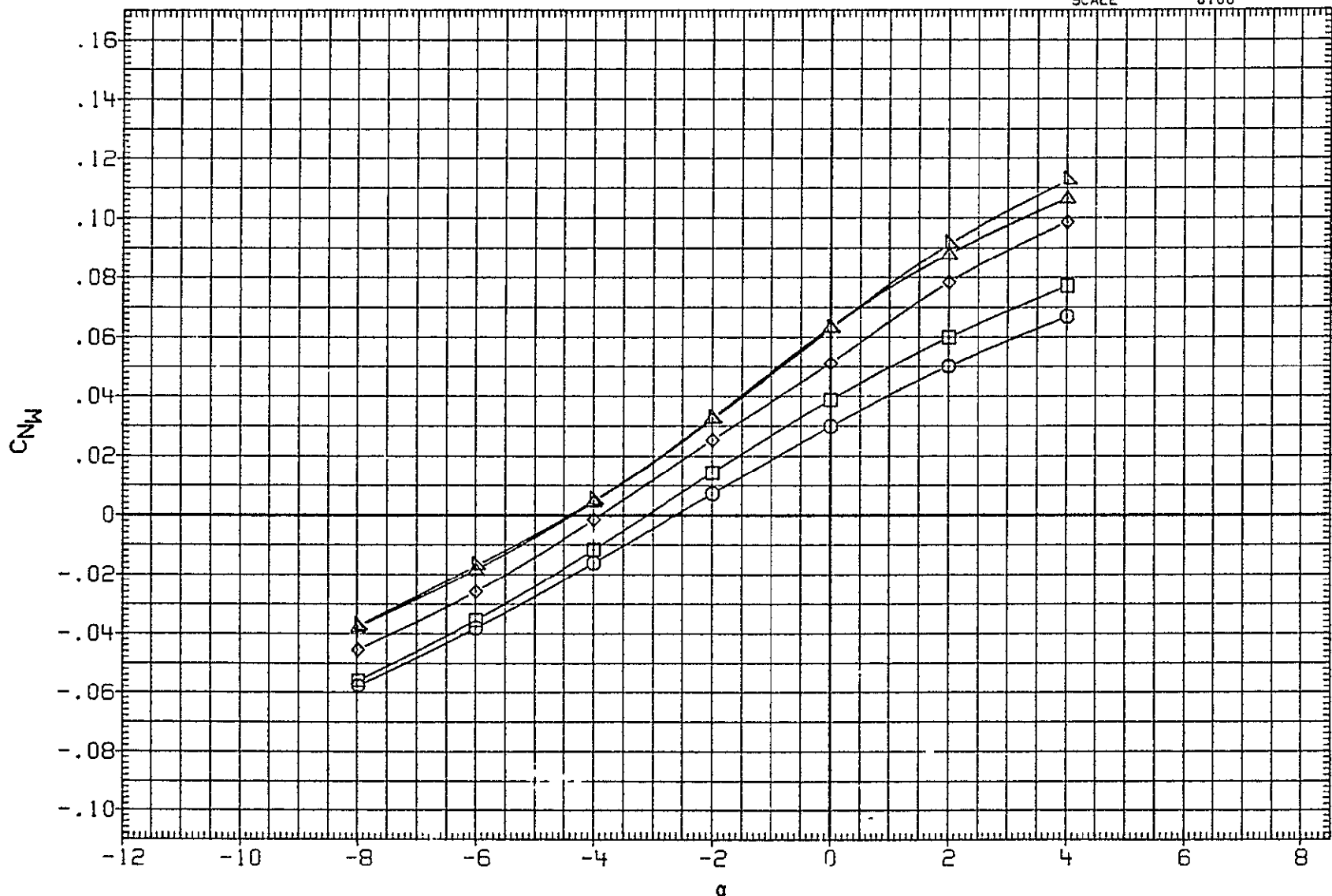


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SO.FT.
MJKA43	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

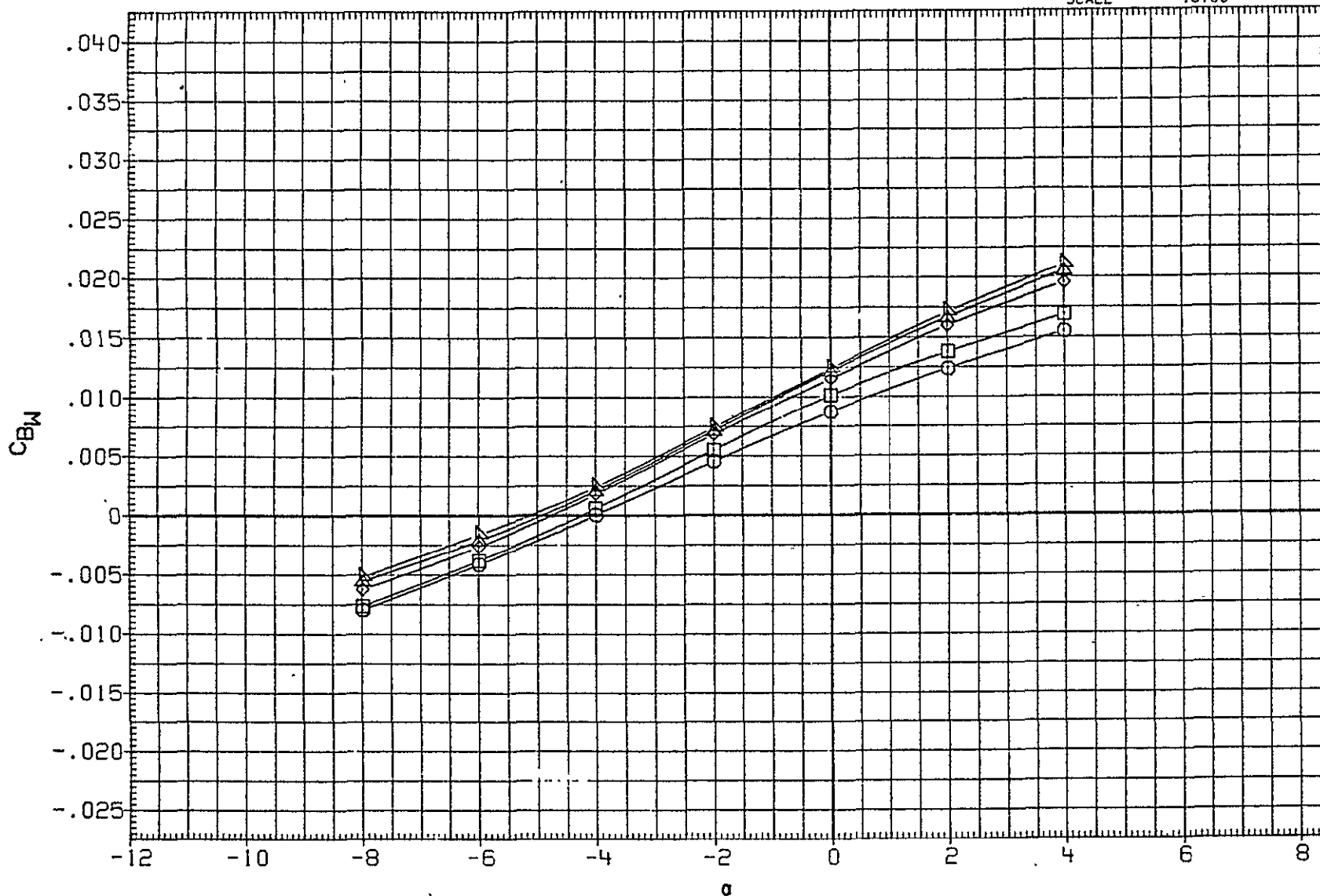


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKA43	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇ LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	0100	

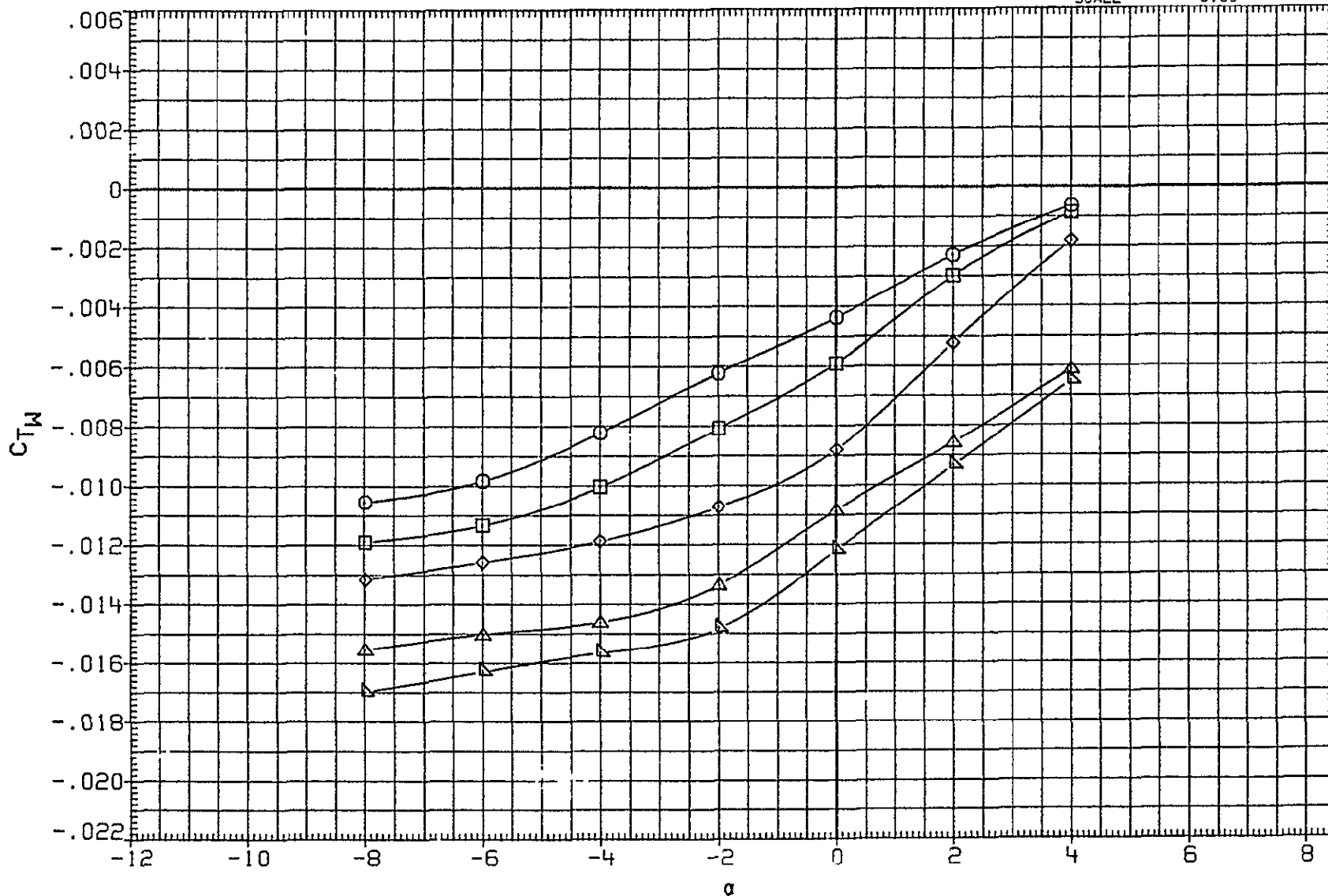


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	50.FT.
MJKA48	◇	LARC UPWT 1152(1A94) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	□	LARC UPWT 1152(1A94) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

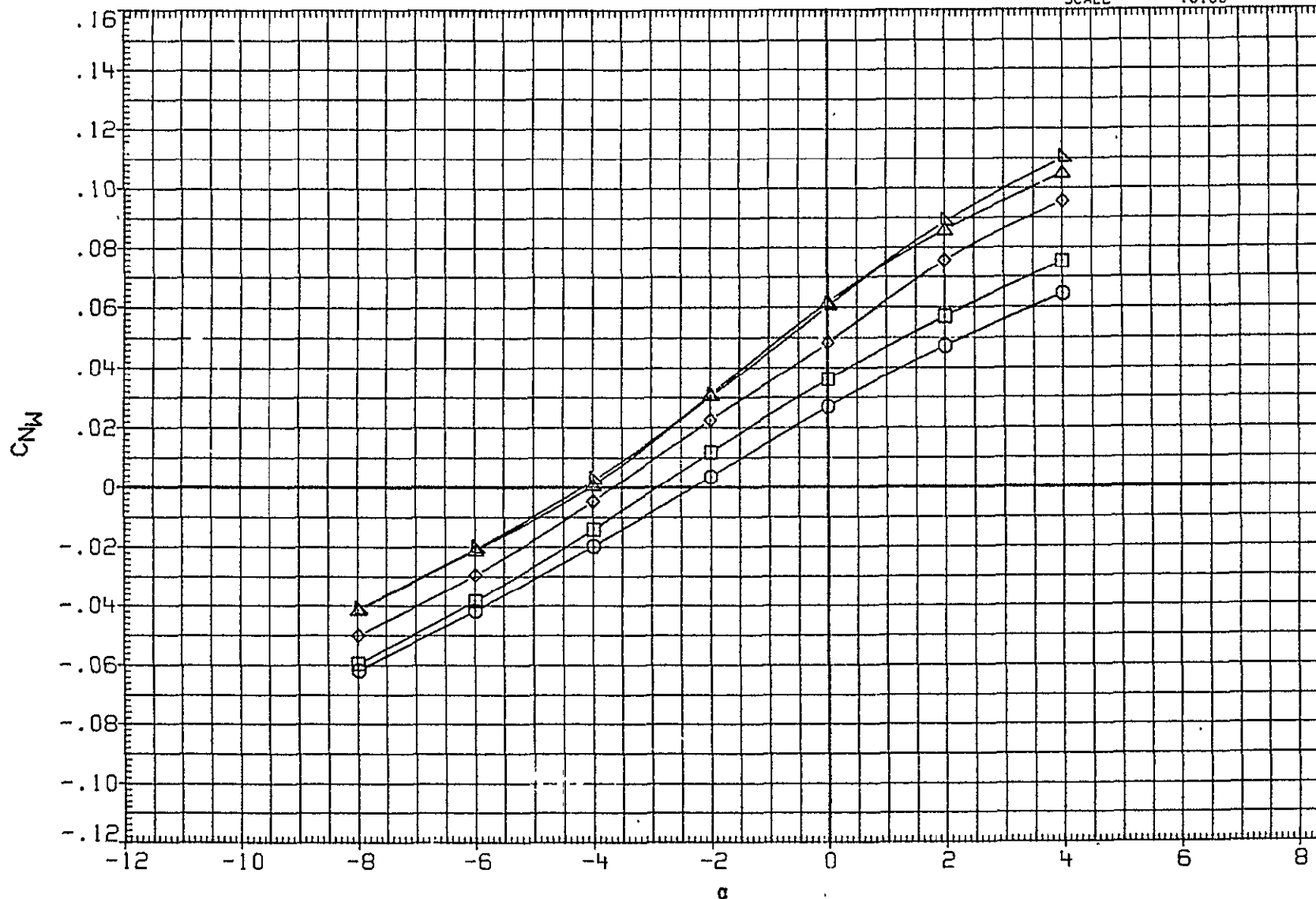


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ. FT.
MJKA48	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	SREF	1290.3000	INCHES
MJKA50	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

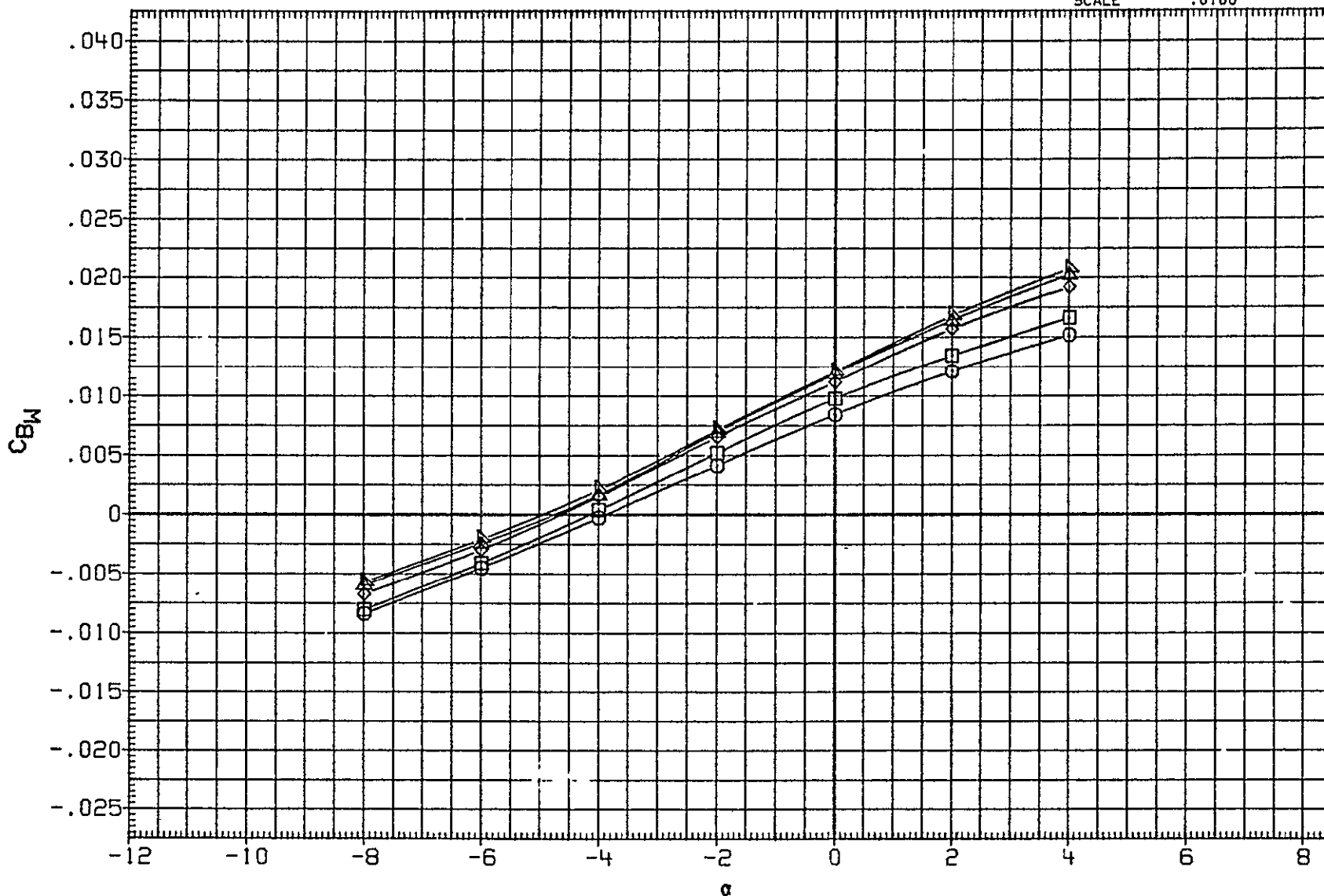


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

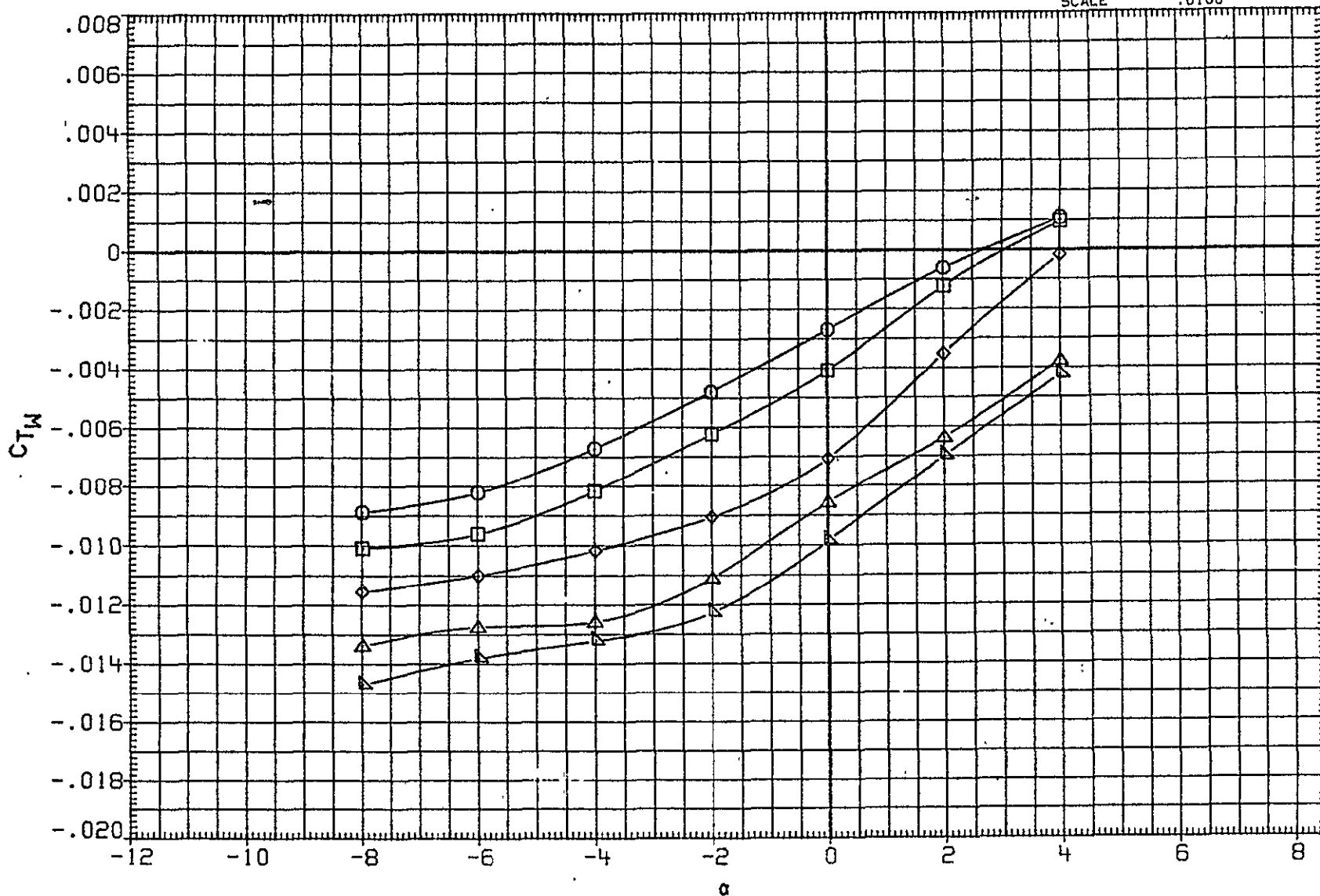


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ FT
MJKA53	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

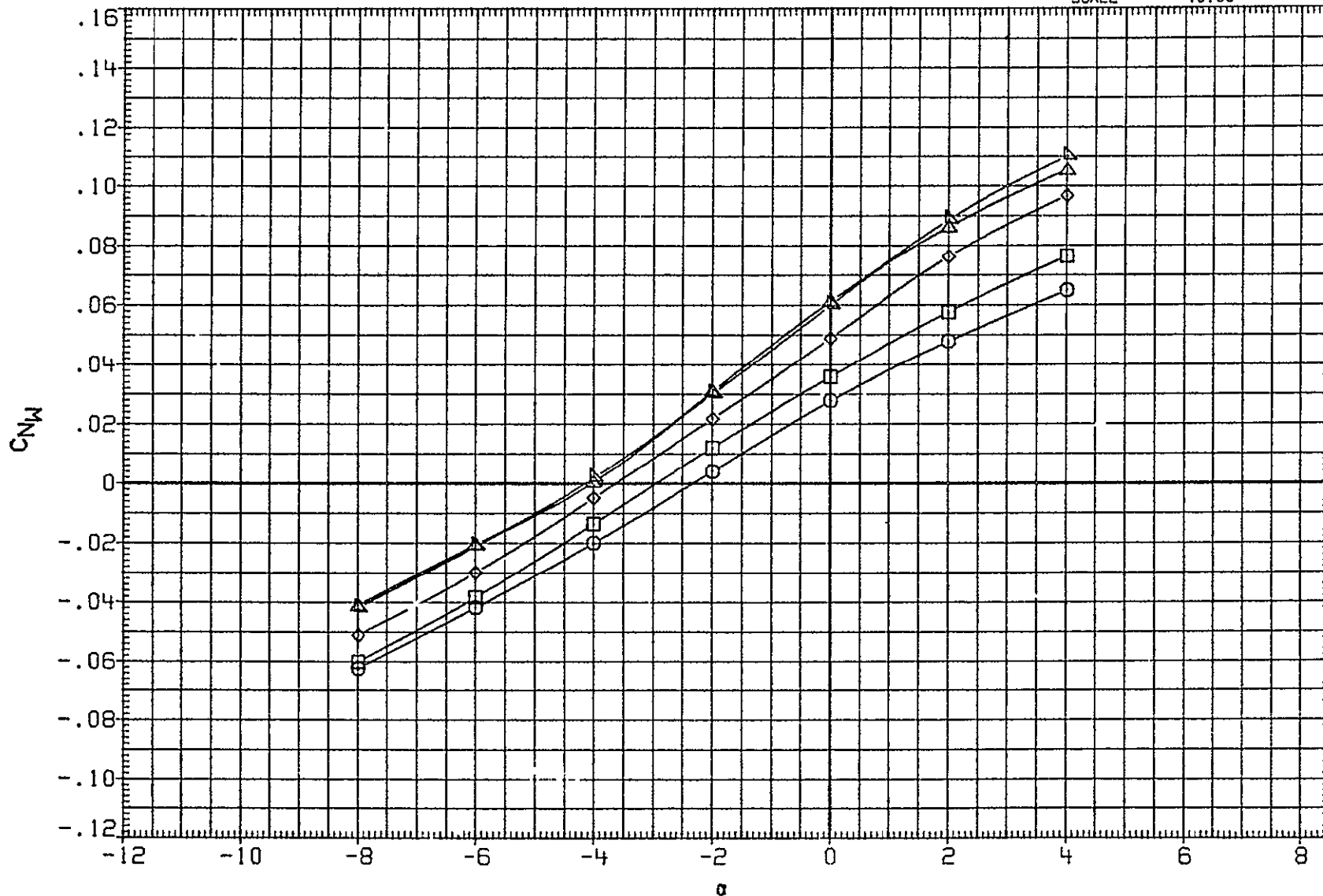


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

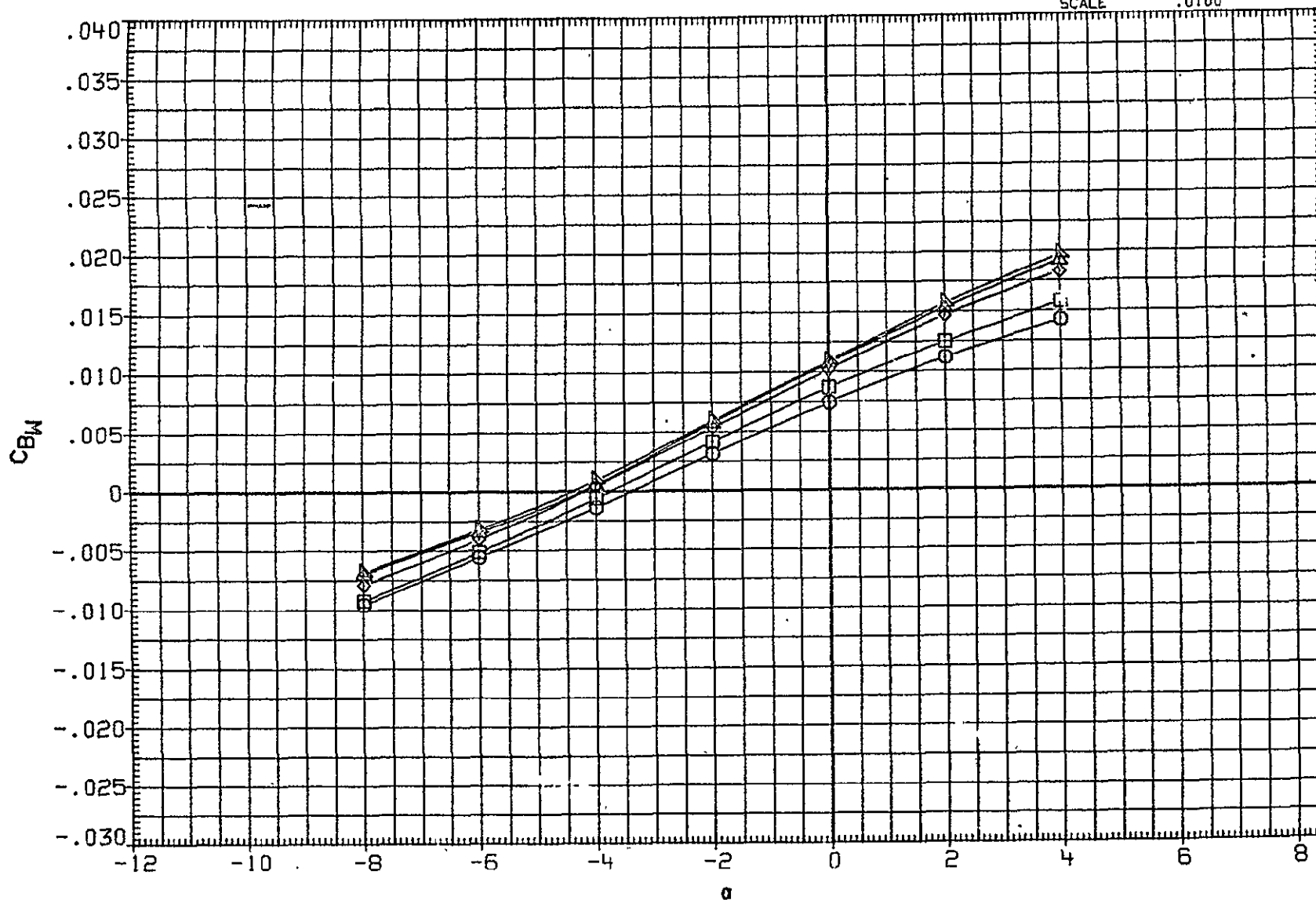


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	975.0000	IN. XT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

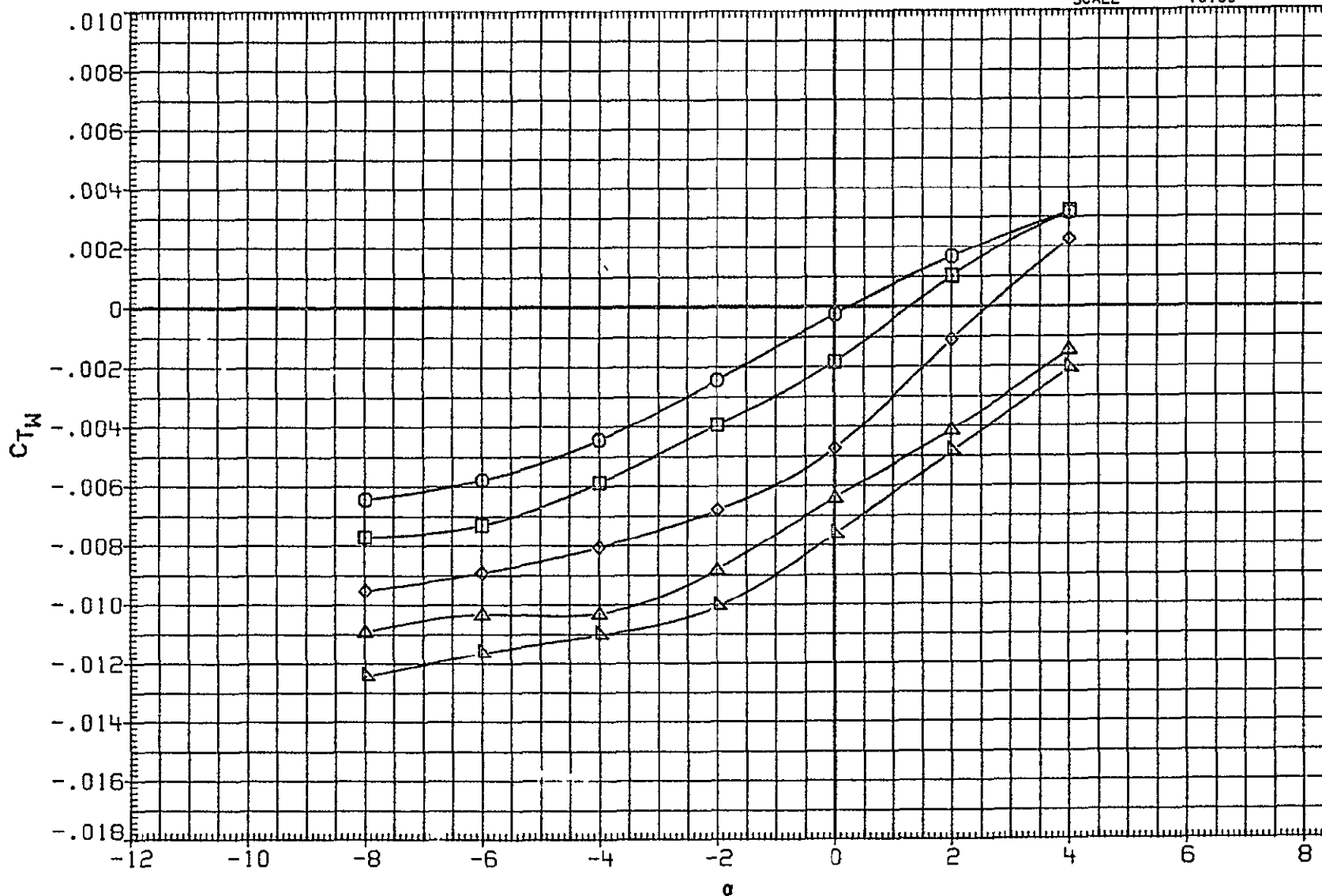


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

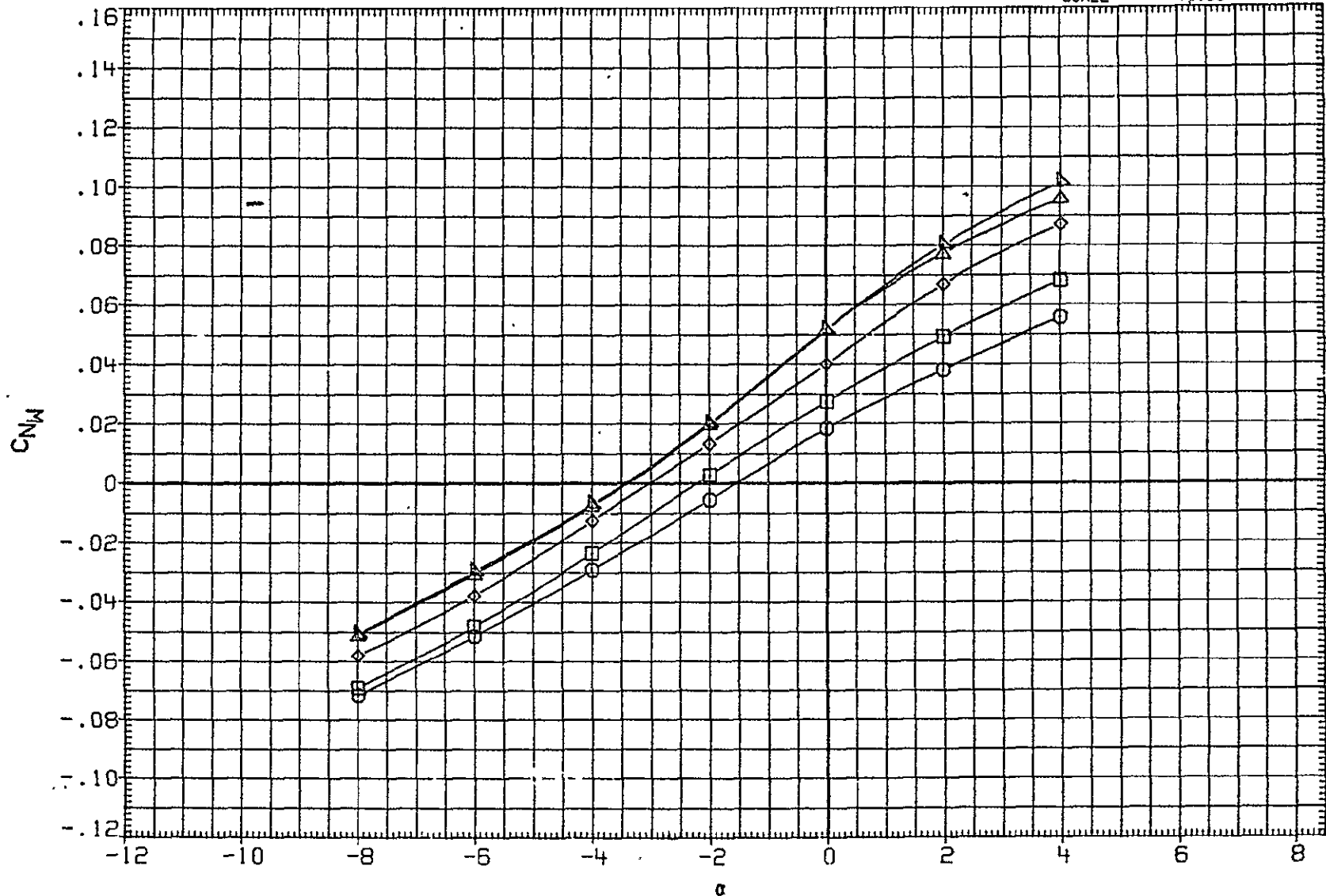


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

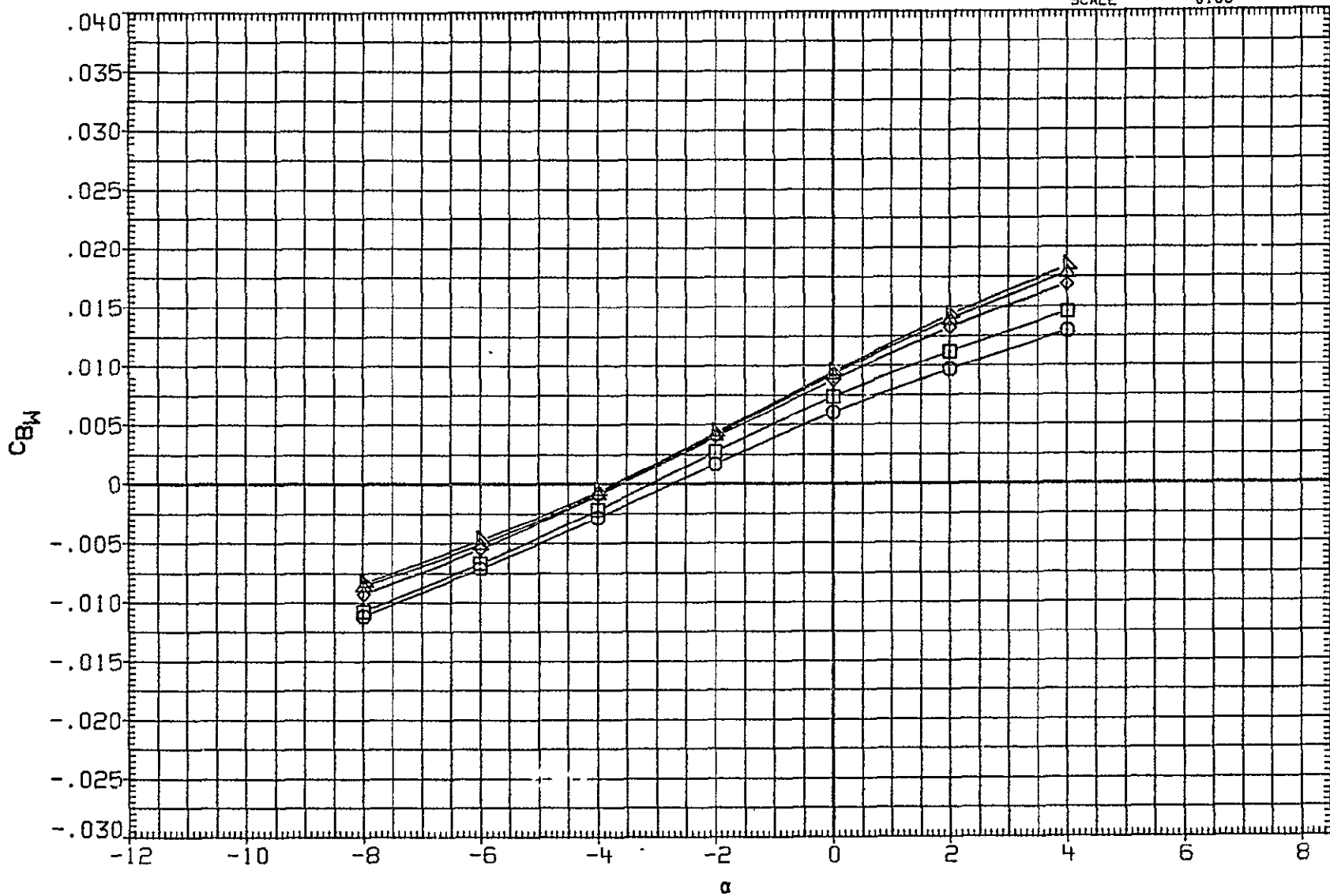


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	LARC UPWT 1152(1A94A) OTSAT130	-5.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

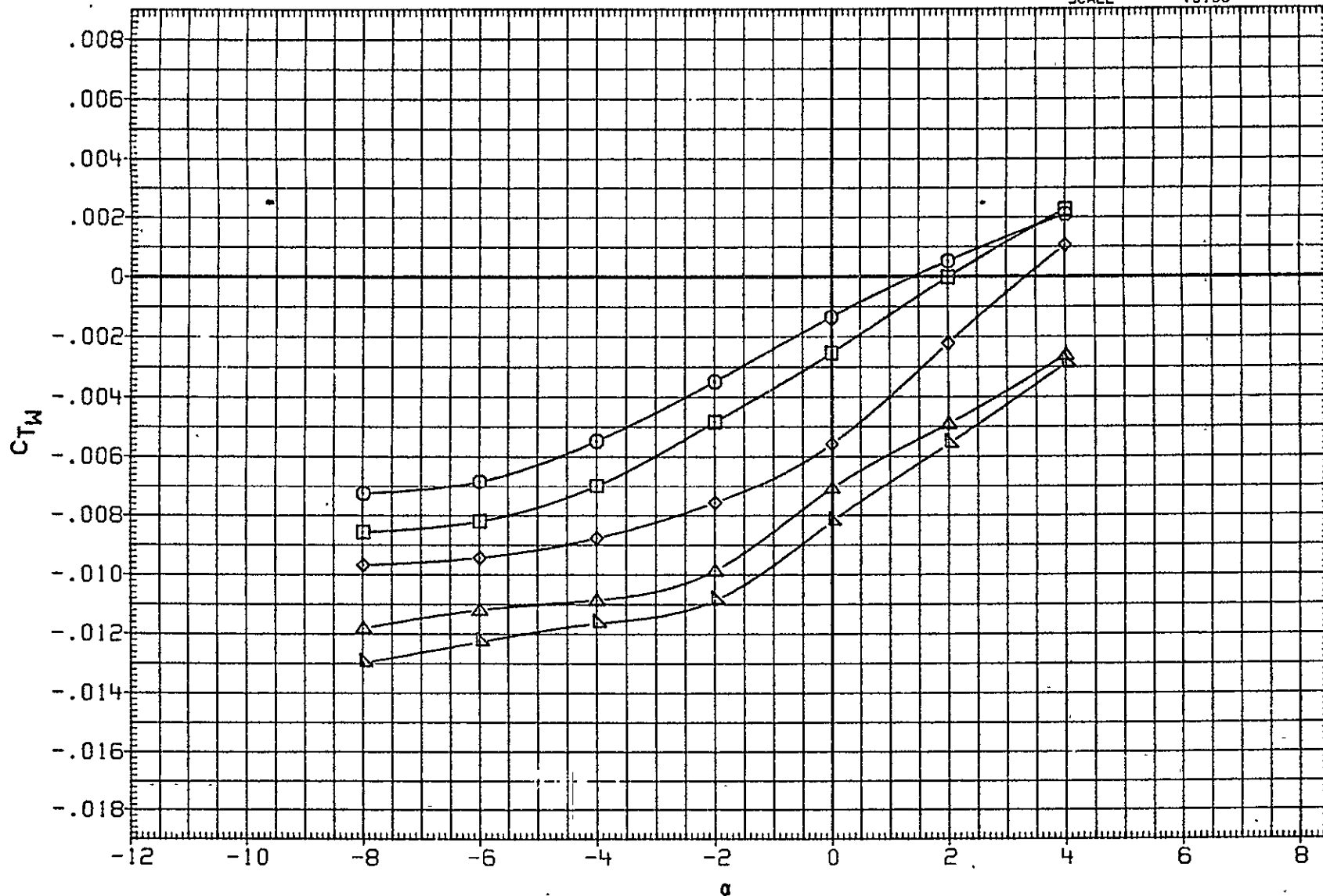


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ. FT.
MJKB18	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. X1
MJKB21	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	0000	IN. Y1
							ZMRP	400.0000	IN. Z1
							SCALE	.0100	

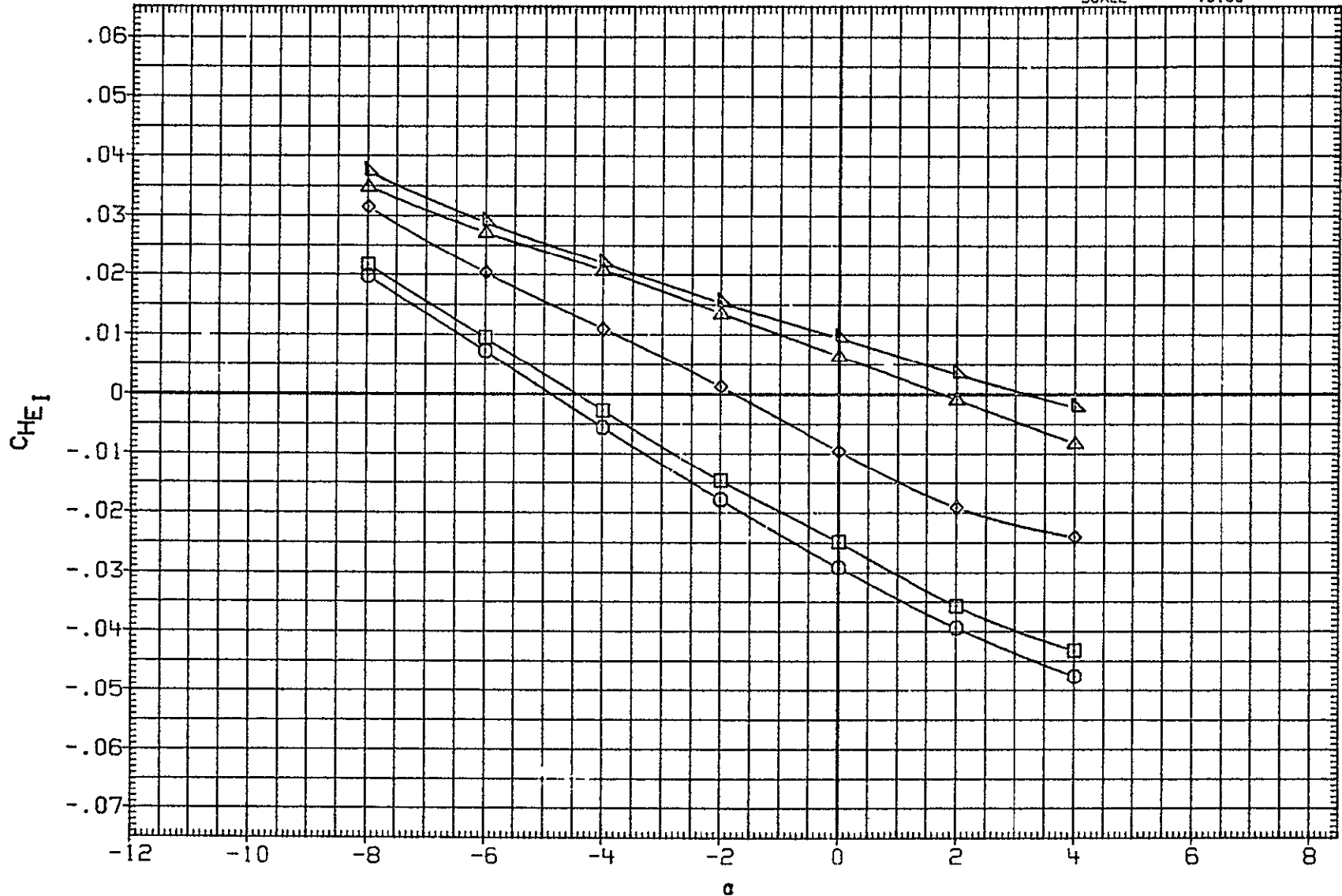


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50. FT.
MJKB18	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

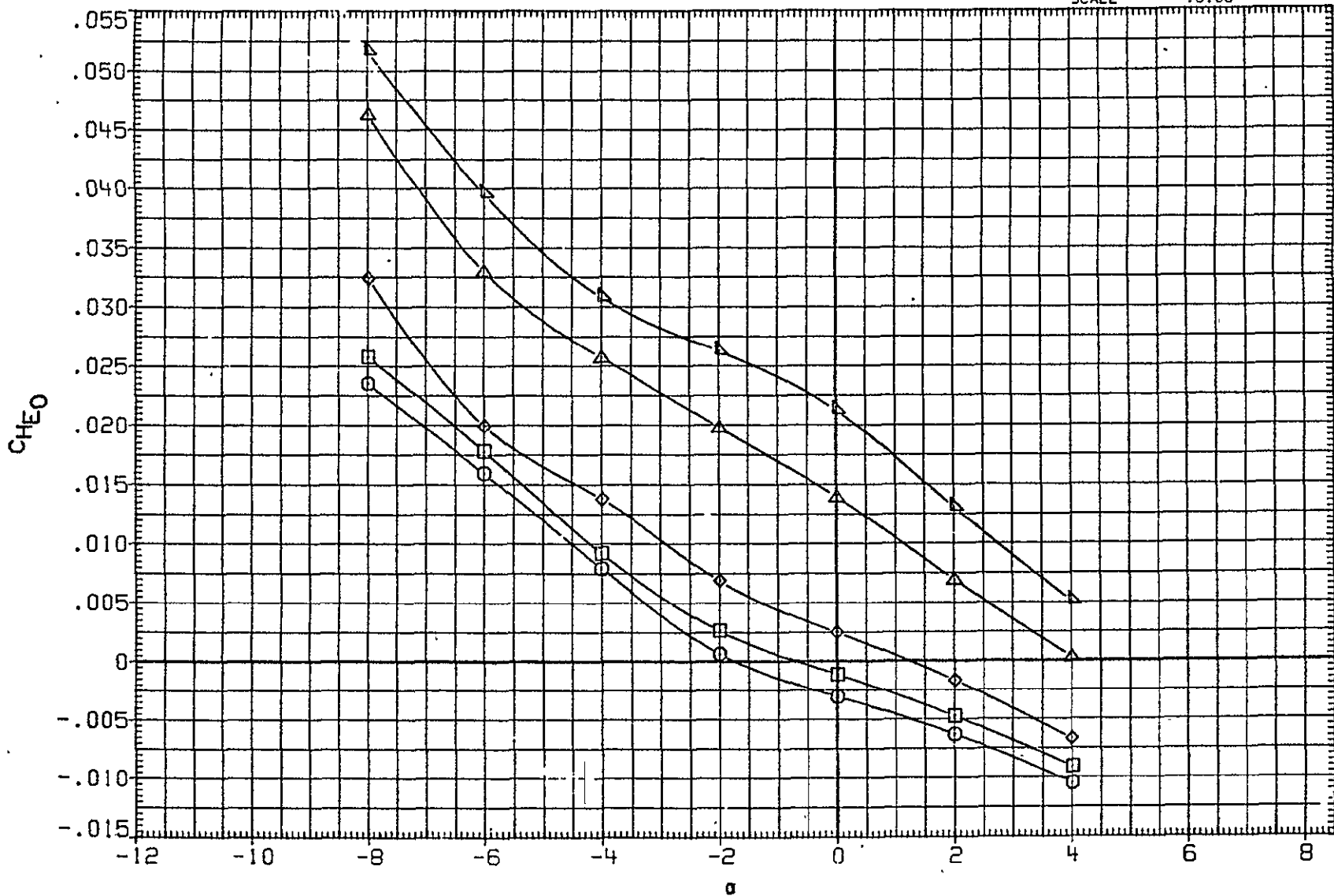


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT	
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

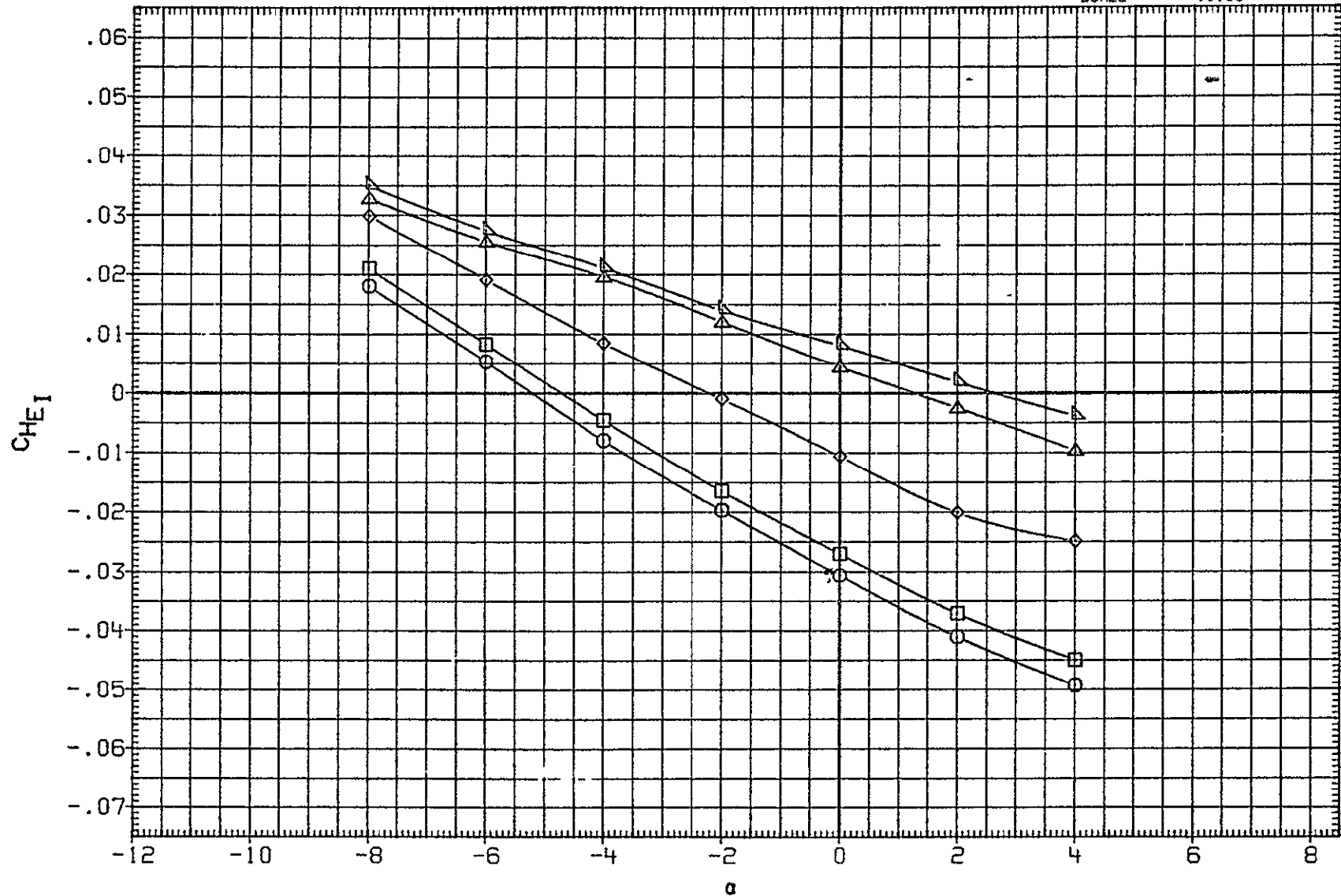


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ. FT.
MJKB23	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

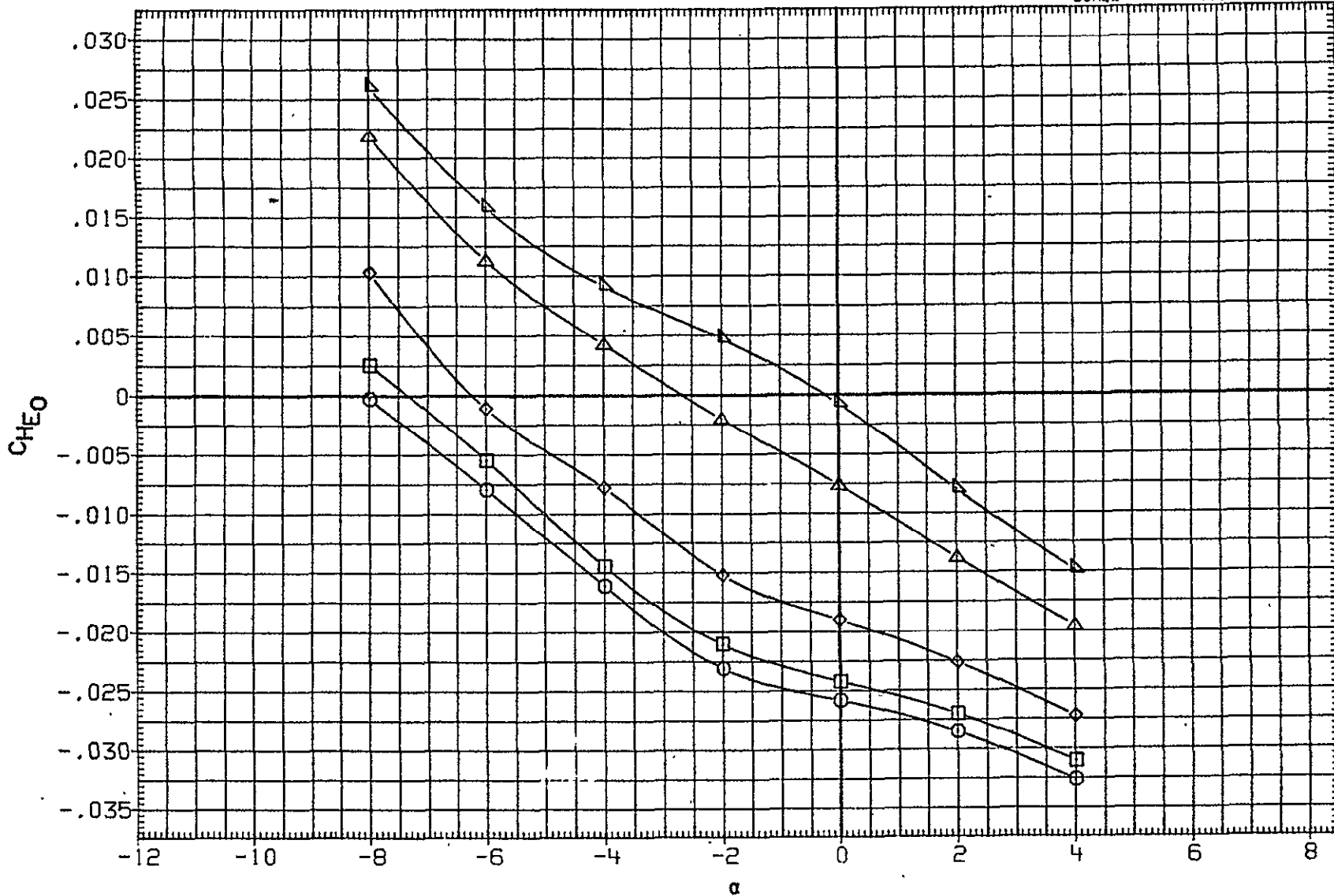


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000 SQ.FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000 INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000 INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000 IN. YT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000 IN. YT
								ZMRP	400.0000 IN. ZT
								SCALE	.0100

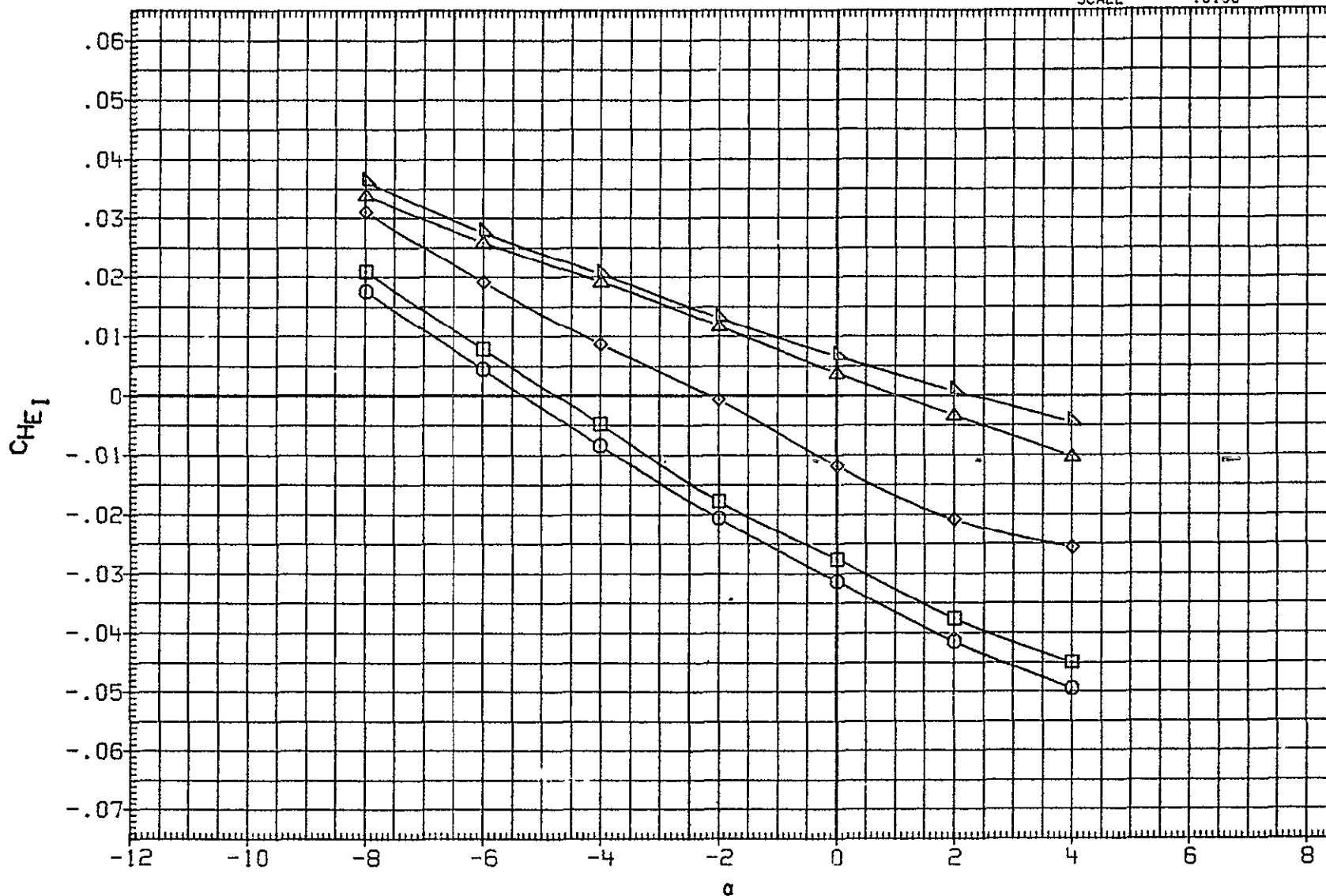


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET. SYMBOL	CONFIGURATION
MJKB27	LARC UPWT 1152(1A94A) OTSAT130
MJKB28	LARC UPWT 1152(1A94A) OTSAT130
MJKB29	LARC UPWT 1152(1A94A) OTSAT130
MJKB30	LARC UPWT 1152(1A94A) OTSAT130
MJKB31	LARC UPWT 1152(1A94A) OTSAT130

BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. XT
					ZMRP	400.0000	IN. ZT
					SCALE	.0100	

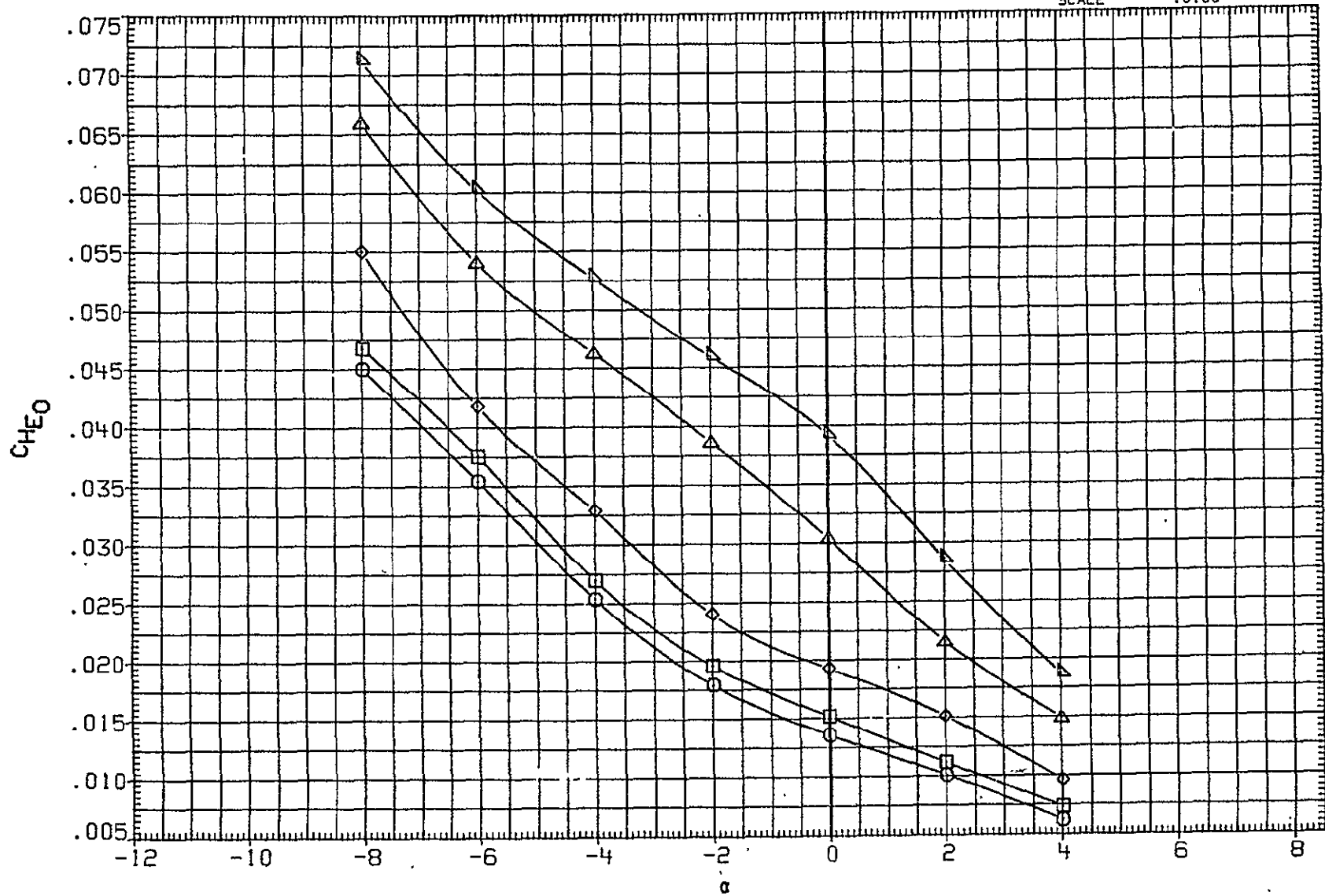


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ. FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

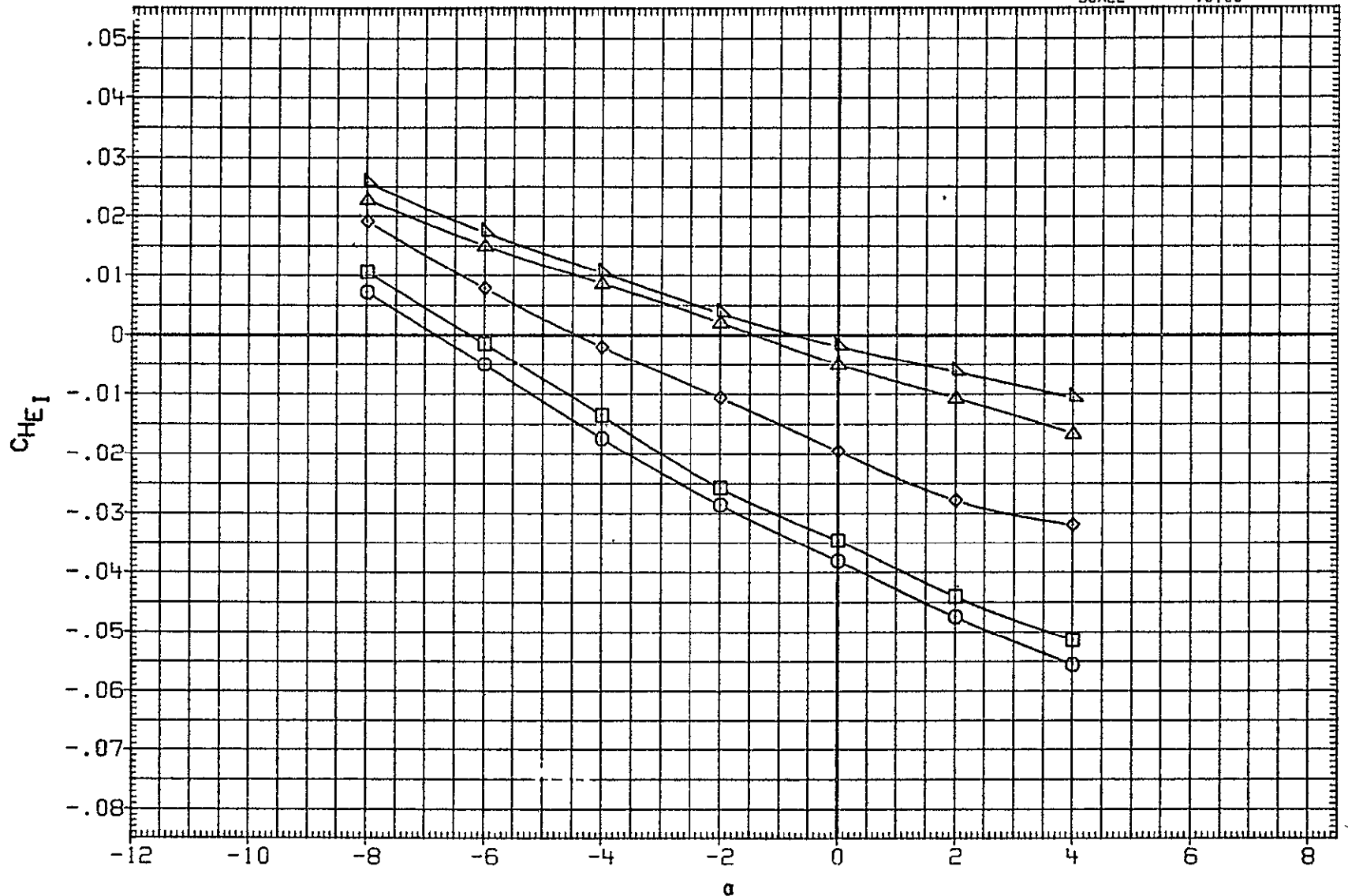


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

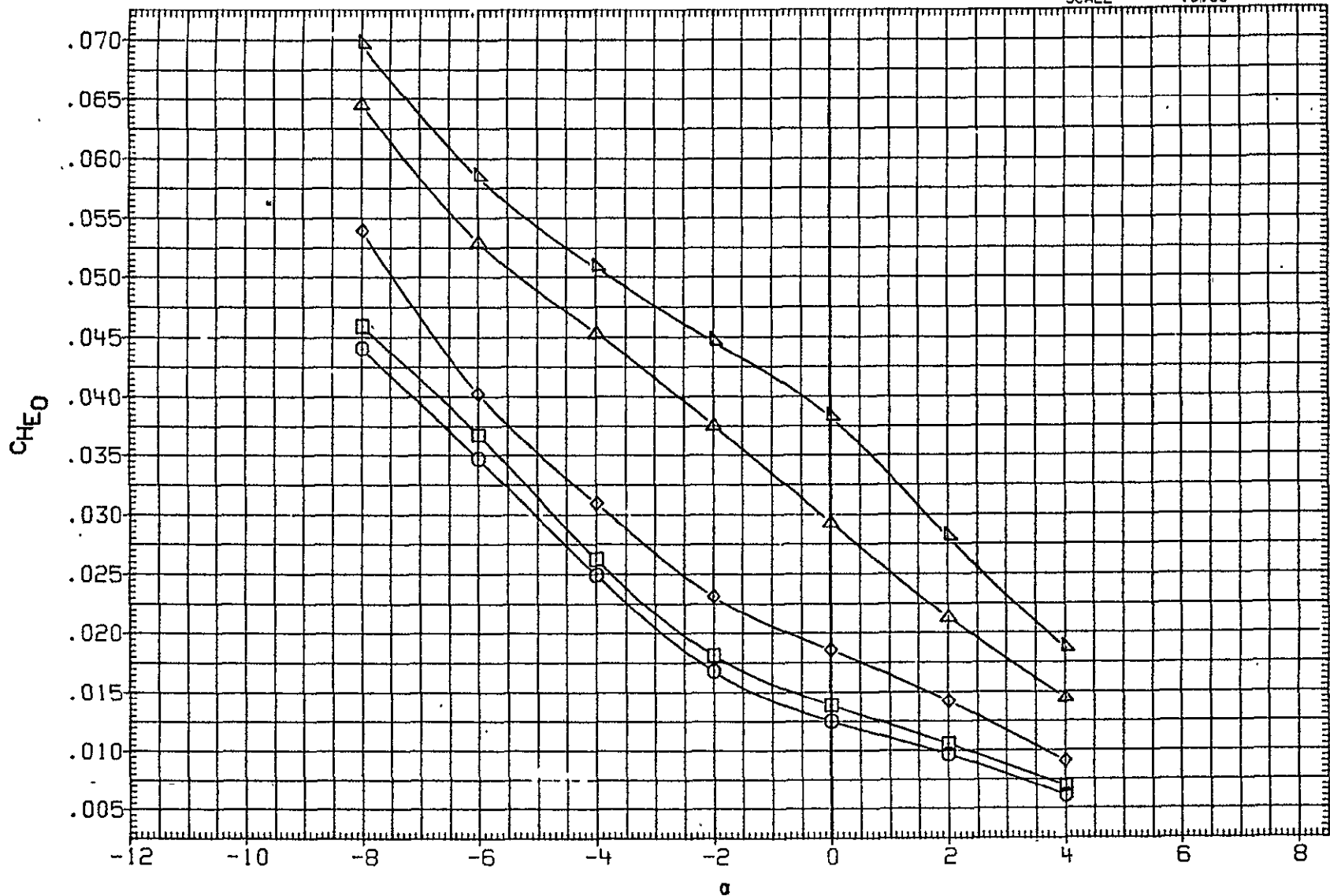


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION
MJKB37	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF 2690.0000 SQ. FT.
MJKB38	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF 1290.3000 INCHES
MJKB39	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF 1290.3000 INCHES
MJKB40	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP 976.0000 IN. XT
MJKB41	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP 0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

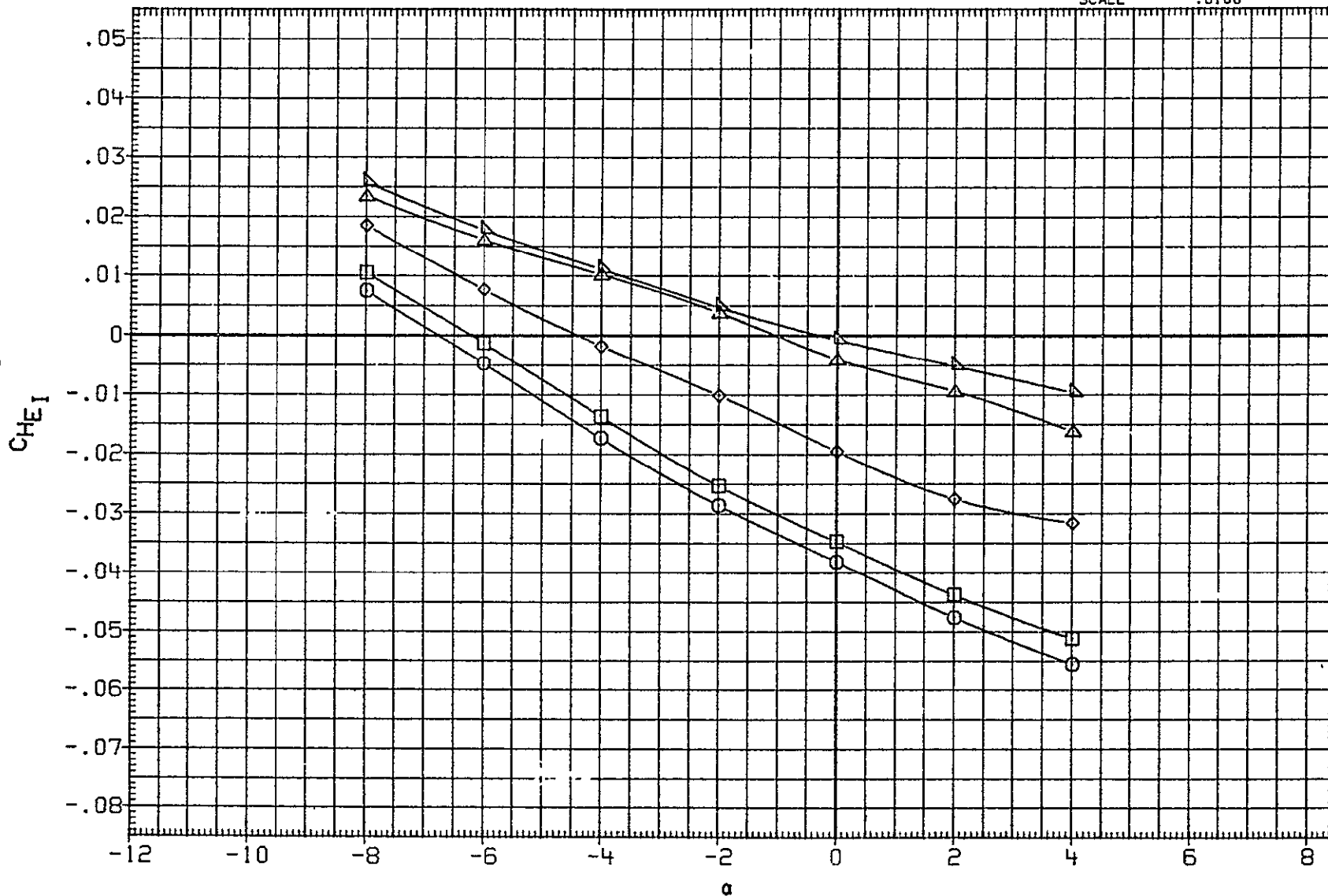


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	50.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

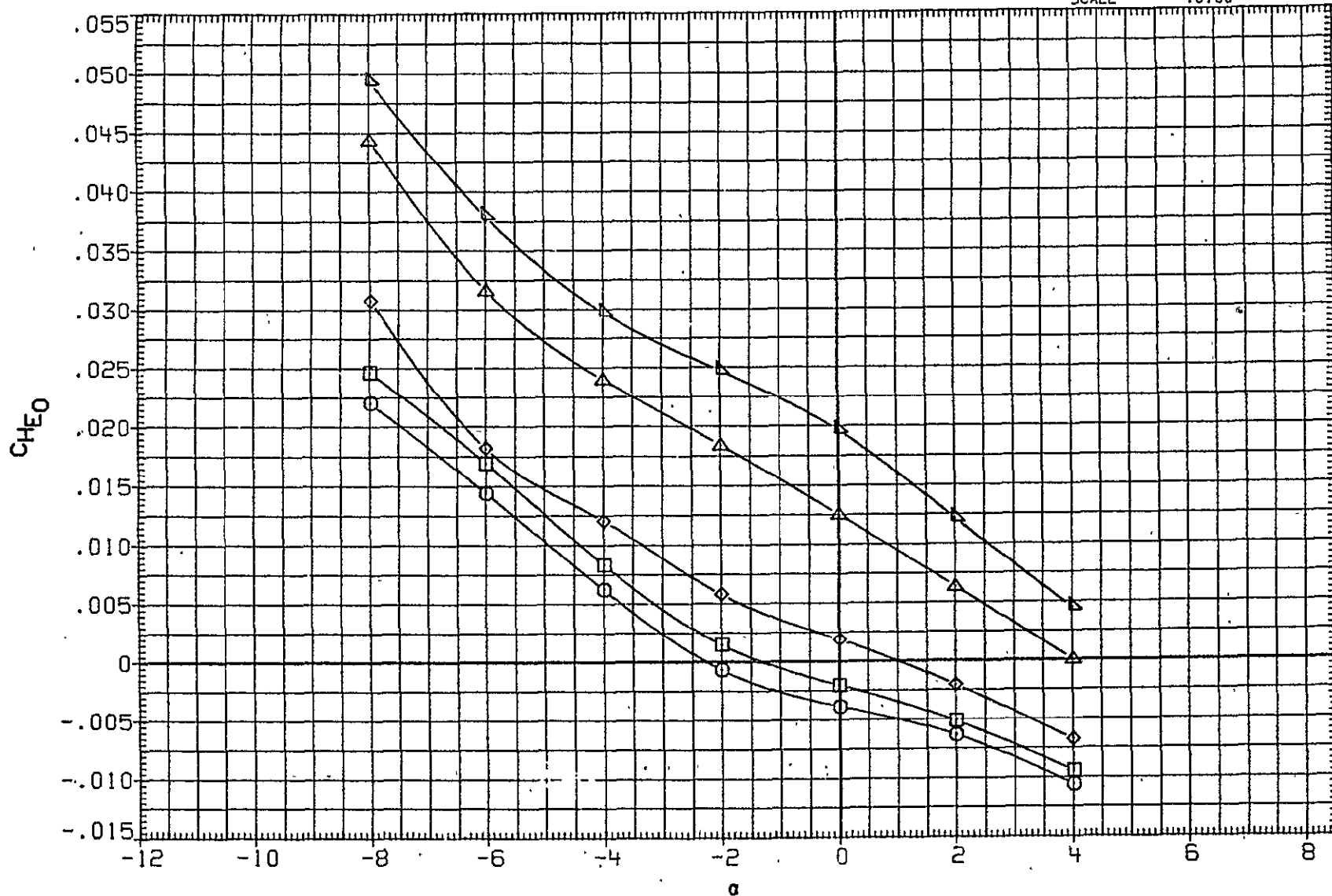


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-5.000	12.000	2.000	12.000	2.000	SREF	2690.0000 SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000 INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000 INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000 IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000 IN. YT
								ZMRP	400.0000 IN. ZT
								SCALE	0100

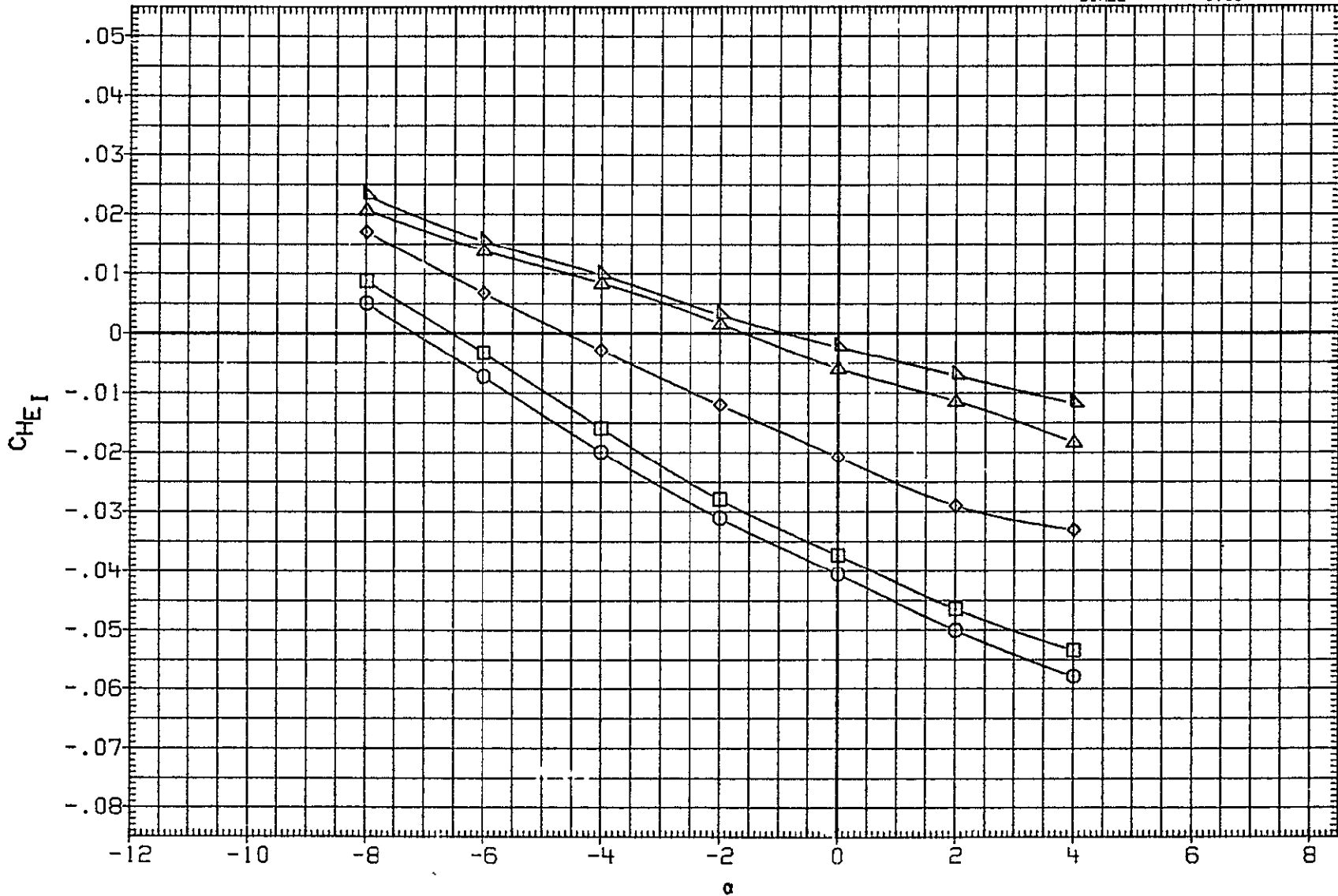


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION
MJKB42	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF 2690.0000 SQ. FT.
MJKB43	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF 1290.3000 INCHES
MJKB44	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF 1290.3000 INCHES
MJKB45	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP 976.0000 IN. XT
MJKB46	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

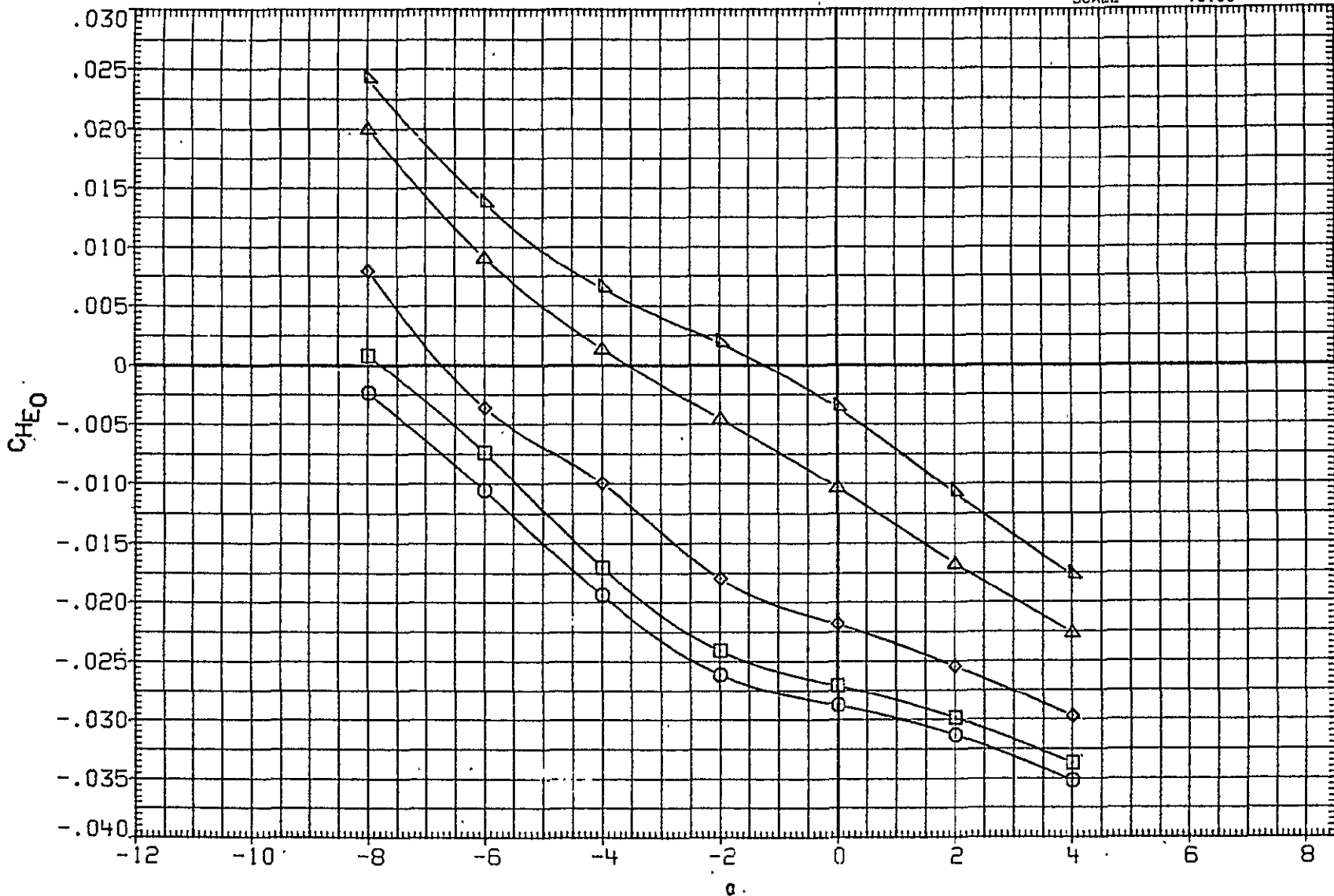


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION	
MJKB47	LARC UPWT 1152 (A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000 SQ.FT.
MJKB48	LARC UPWT 1152 (A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1298.3000 INCHES
MJKB49	LARC UPWT 1152 (A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1298.3000 INCHES
MJKB50	LARC UPWT 1152 (A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000 IN. XT
MJKB51	LARC UPWT 1152 (A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000 IN. YT
							ZMRP	400.0000 IN. ZT
							SCALE	.0100

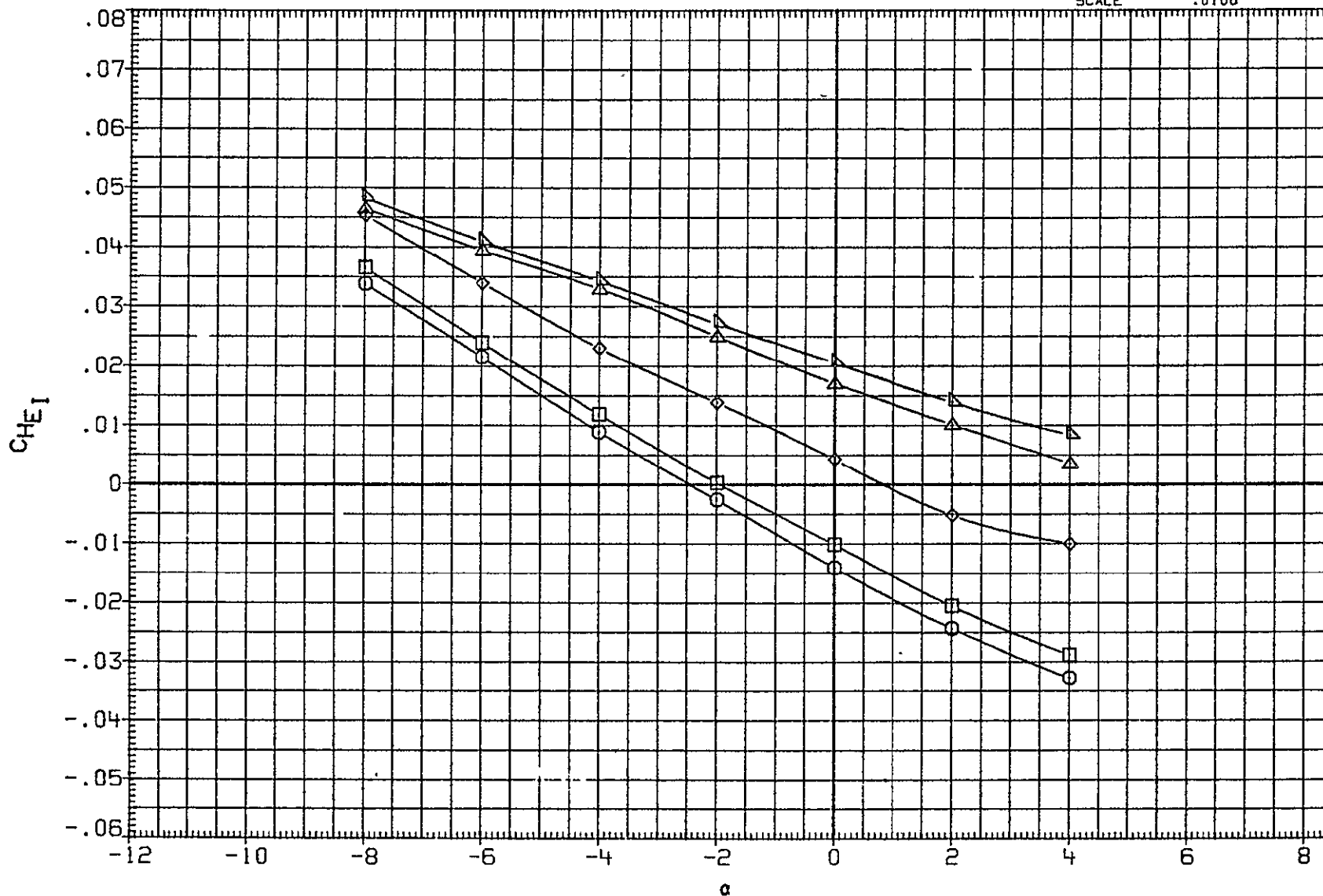


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	.976.0000	IN. XT
MJKB51	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

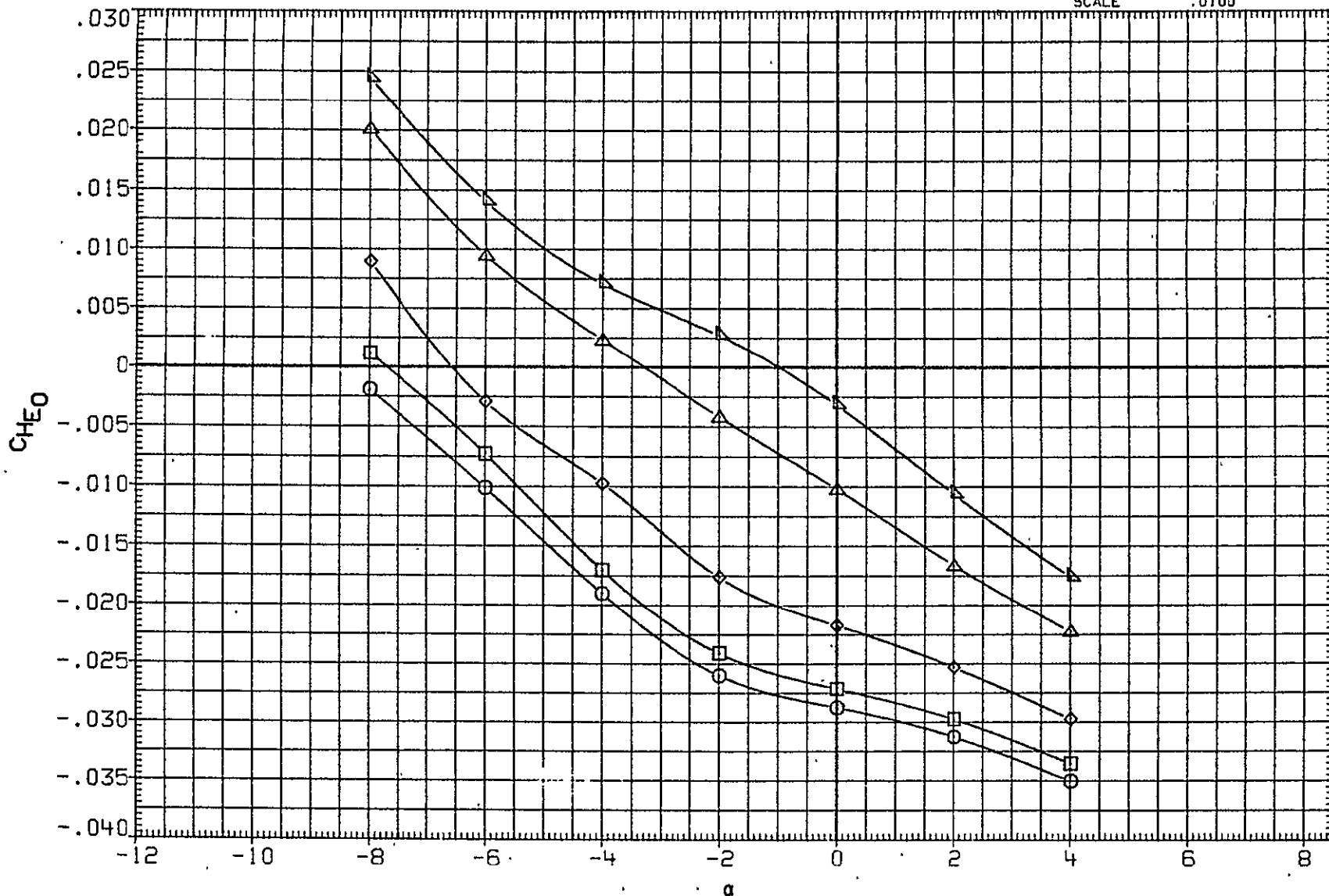


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK852	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	90.FT.
MJK853	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJK854	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJK855	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJK856	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

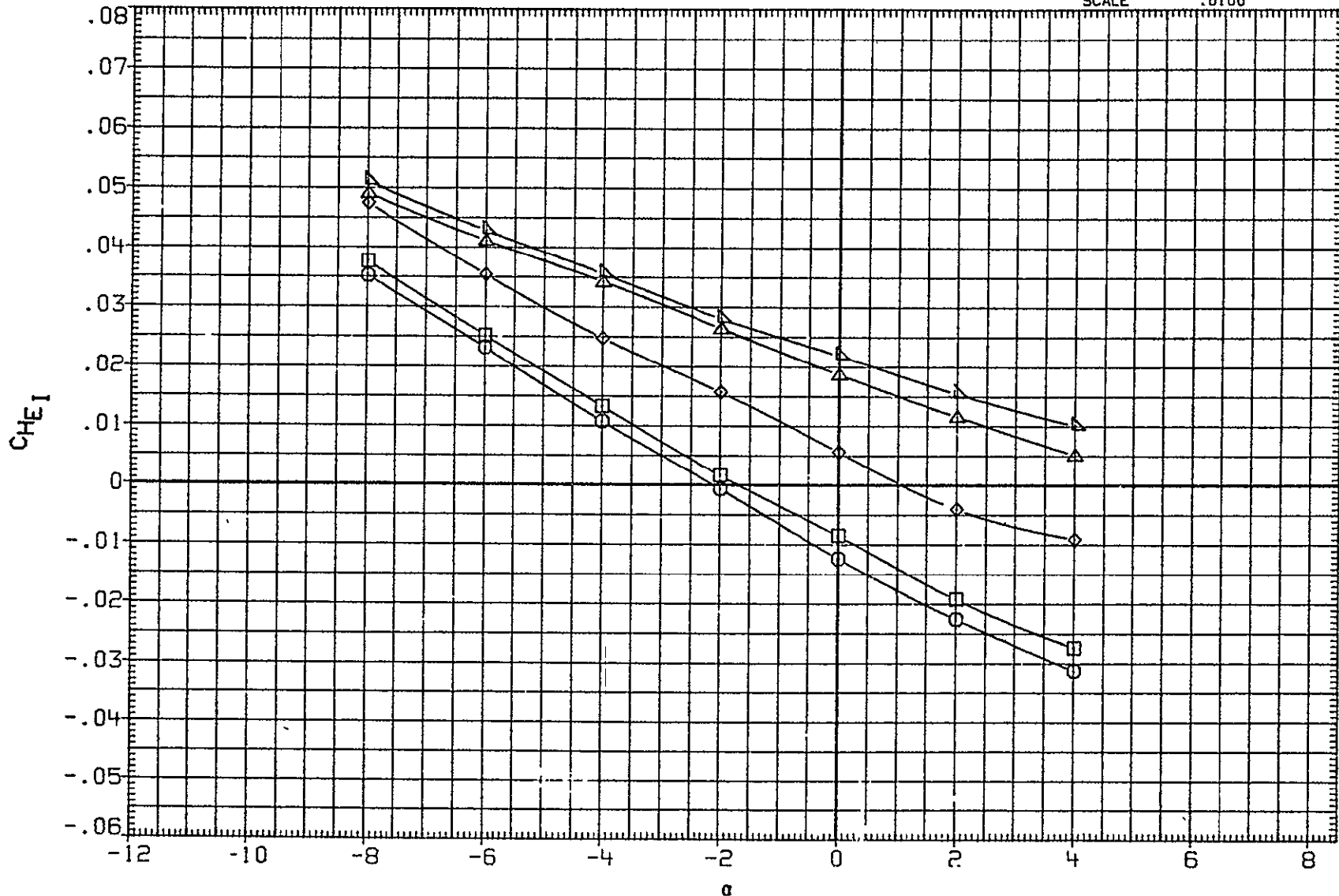


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

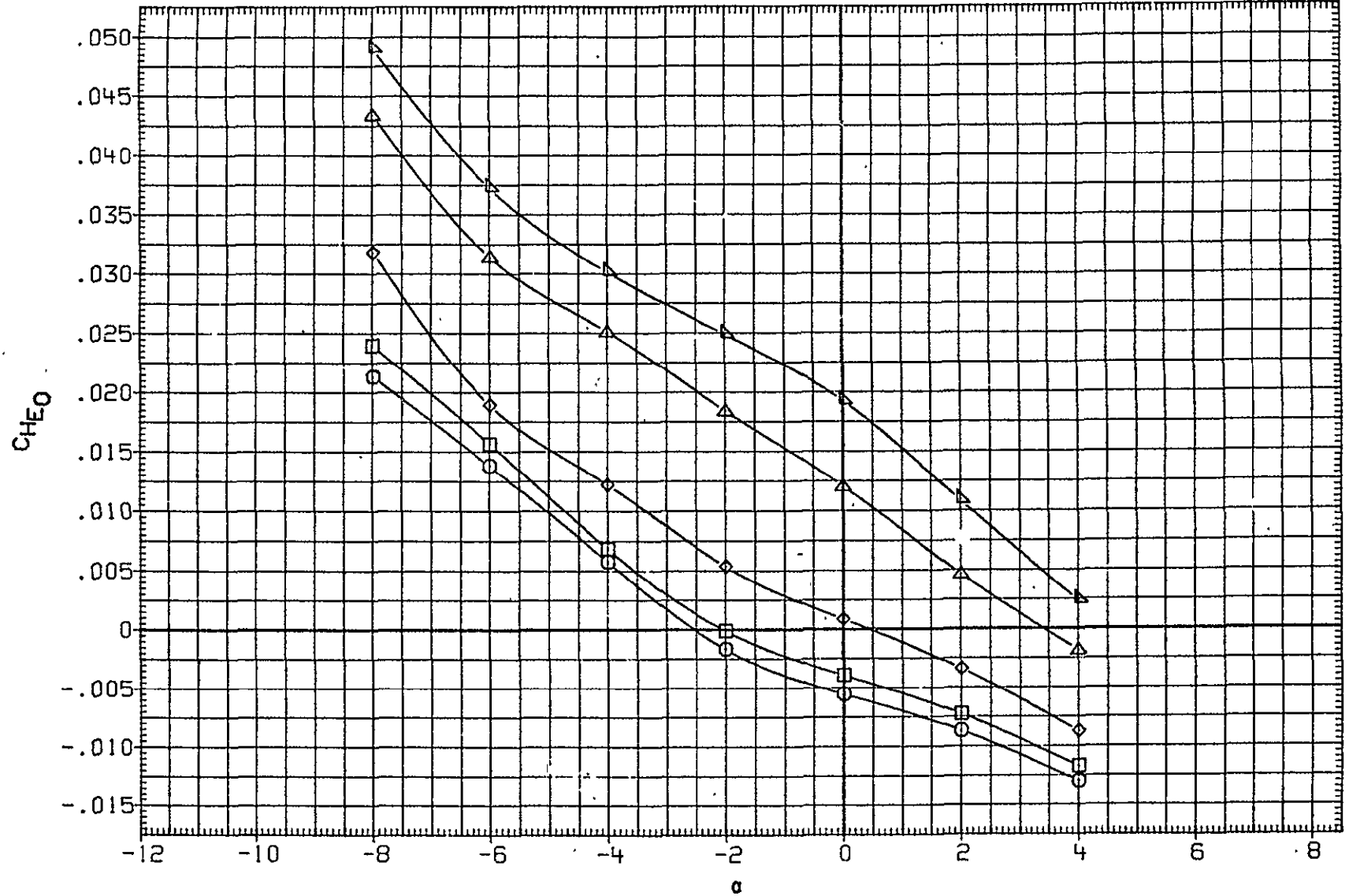


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

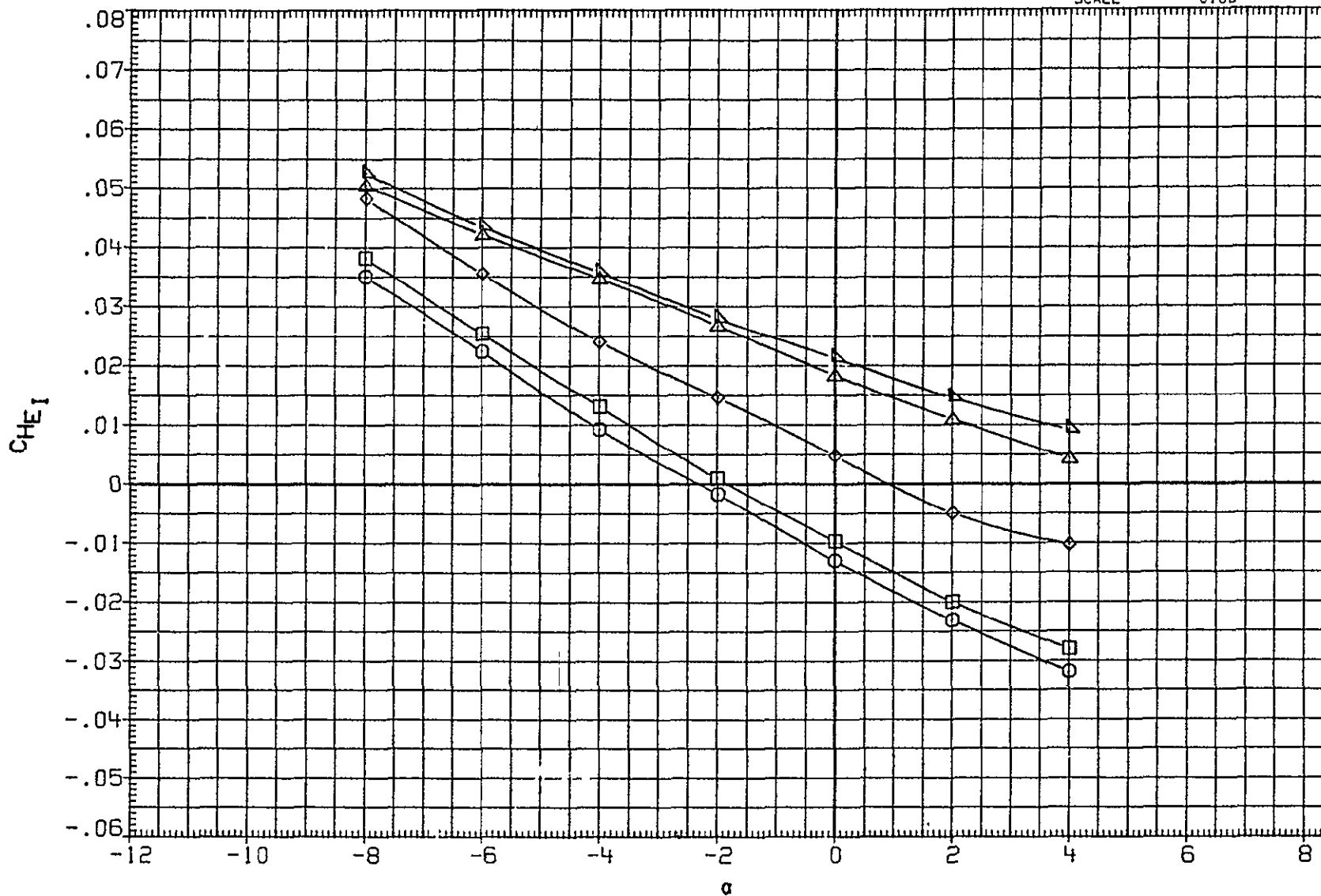


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0'	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

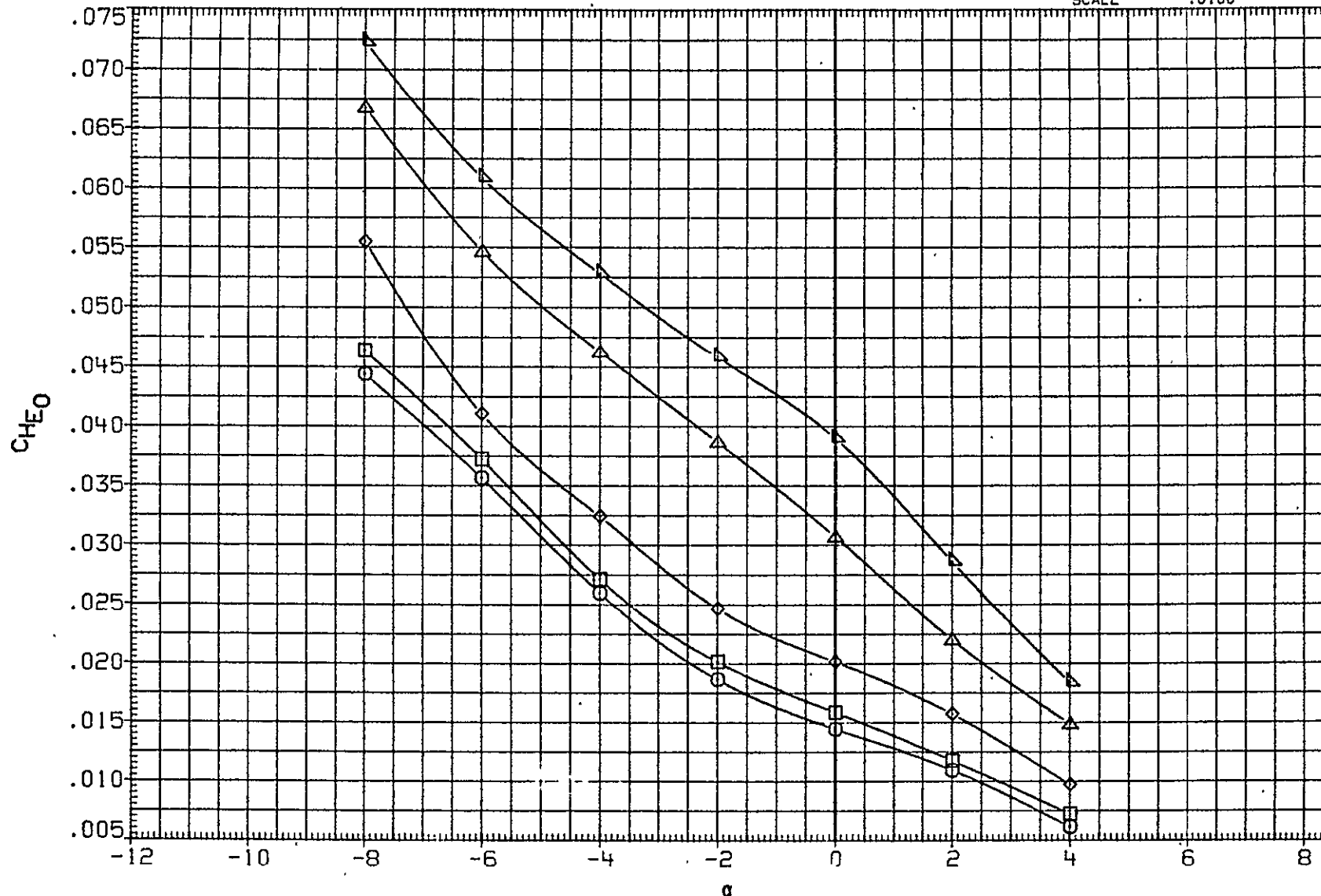


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

LARC UPWT 1152(1A94A) OTSAT129

(RJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.461	-.26441	-.28425	-.25765	-.37050	-.30836	-.30327	-.24664	-.25547	.46833	-.61895
1.550	-6.341	-.26223	-.27869	-.25578	-.38463	-.31814	-.29398	-.24691	-.25422	.46966	-.45810
1.550	-4.203	-.26048	-.27110	-.25495	-.37885	-.31852	-.28695	-.24608	-.25461	.46636	-.30582
1.550	-2.111	-.26109	-.26865	-.25741	-.38838	-.31669	-.28078	-.24639	-.25676	.46519	-.16064
1.550	.004	-.25992	-.26471	-.25716	-.39272	-.31888	-.27805	-.24614	-.25559	.46349	-.02756
1.550	2.119	-.25712	-.26039	-.25652	-.39424	-.32314	-.27154	-.24611	-.25373	.46224	.10025
1.550	4.215	-.25491	-.25634	-.25154	-.39482	-.32340	-.26654	-.24636	-.25030	.45674	.22279
	GRADIENT	.00072	.00179	.00037	-.00179	-.00077	.00236	-.00001	.00055	-.00105	.06257

RUN NO. 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.750	-.20292	-.21958	-.19762	-.27339	-.24358	-.22492	-.00276	-.19683	.42041	-.55008
2.000	-5.638	-.20191	-.22013	-.19755	-.27460	-.24755	-.22361	-.00260	-.19707	.41535	-.40620
2.000	-3.527	-.20319	-.22202	-.19851	-.27710	-.24633	-.21802	-.00237	-.19741	.41149	-.27219
2.000	-1.423	-.20599	-.22636	-.20193	-.28176	-.24479	-.20773	-.00237	-.20019	.40772	-.14447
2.000	.673	-.21031	-.23224	-.20625	-.28516	-.24725	-.19866	-.00231	-.20388	.40545	-.02304
2.000	2.766	-.20778	-.22972	-.20496	-.28110	-.24628	-.18769	-.00220	-.20445	.40124	.09173
2.000	4.868	-.20871	-.22444	-.20341	-.27675	-.24752	-.18737	-.00220	-.20322	.39500	.20664
	GRADIENT	-.00061	-.00039	-.00061	.00006	-.00018	.00388	.00002	-.00076	-.00188	.05691

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT129

(RJK002) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.459	-.26103	-.27811	-.25151	-.38311	-.32307	-.29895	-.24540	-.24874	.47062	-.61657
1.550	-6.338	-.25771	-.27448	-.25003	-.37085	-.31056	-.29221	-.24547	-.24880	.46772	-.45484
1.550	-4.208	-.25408	-.26441	-.24917	-.36075	-.30203	-.28763	-.24584	-.24794	.46302	-.30571
1.550	-2.097	-.25313	-.25854	-.25006	-.37026	-.30599	-.28235	-.24550	-.24852	.46150	-.15989
1.550	.014	-.24793	-.25274	-.24671	-.37919	-.31337	-.27033	-.24553	-.24427	.45893	-.02603
1.550	2.120	-.24741	-.24670	-.24465	-.38171	-.31528	-.26980	-.24562	-.24314	.45732	.10228
1.550	4.217	-.24704	-.24633	-.24459	-.38228	-.31584	-.26171	-.24587	-.24216	.45348	.22068
	GRADIENT	.00094	.00228	.00069	-.00259	-.00175	.00306	-.00001	.00080	-.00110	.06242

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.746	-.19005	-.21667	-.18599	-.27705	-.24317	-.22294	-.00184	-.18525	.41936	-.54511
2.000	-5.637	-.19131	-.21668	-.18694	-.27675	-.24225	-.22482	-.00197	-.18619	.41349	-.40362
2 000	-3.524	-.19382	-.21639	-.18883	-.27862	-.23917	-.21922	-.00192	-.18807	.40876	-.26790
2 000	-1.400	-.19691	-.21762	-.19192	-.28048	-.23855	-.20922	-.00220	-.19146	.40539	-.14203
2.000	.668	-.20188	-.22196	-.19813	-.28297	-.24133	-.19549	-.00189	-.19858	.40323	-.02584
2 000	2.776	-.20436	-.22196	-.19937	-.28172	-.24226	-.19018	-.00189	-.20012	.39866	.09263
2.000	4.859	-.20342	-.20924	-.19998	-.27519	-.24411	-.18705	-.00187	-.19949	.39432	.20429
	GRADIENT	-.00127	.00647	-.00142	.00027	-.00065	.00398	.00002	-.00150	-.00170	.05630

LARC UPWT 1152(IA94A) OTSAT129

(RJ003) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

		RUN NO.	2/ 0	RN/L =	2.00	GRADIENT INTERVAL =		-5.00/	5.00			
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU	
1.550	-8.447	-.25590	-.27453	-.23499	-.35159	-.29592	-.29815	-.24981	-.23320	.46913	-.60330	
1.550	-6.320	-.25772	-.27358	-.23926	-.34726	-.29191	-.29070	-.24948	-.23623	.46411	-.44439	
1.550	-4.183	-.25196	-.26015	-.23905	-.33933	-.28494	-.28058	-.24988	-.23572	.45915	-.29618	
1.550	-2.099	-.24852	-.25302	-.24176	-.34236	-.28365	-.27249	-.24981	-.23810	.45884	-.15569	
1.550	.019	-.24639	-.24722	-.24117	-.34239	-.28675	-.26850	-.24954	-.23997	.45926	-.02010	
1.550	2.123	-.23929	-.23797	-.23745	-.34575	-.28979	-.26445	-.24920	-.23535	.45595	.09965	
1.550	4.230	-.23095	-.22841	-.22973	-.35403	-.29037	-.26133	-.24917	-.22643	.45046	.21962	
	GRADIENT	.00244	.00373	.00109	-.00156	-.00081	.00221	.00010	.00101	-.00096	.06114	

		RUN NO.	7/ 0	RN/L =	1.99	GRADIENT INTERVAL =		-5.00/	5.00			
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU	
2.000	-7.740	-.17804	-.18792	-.17275	-.26375	-.22684	-.22239	-.00299	-.17175	.41706	-.54024	
2.000	-5.615	-.17888	-.18659	-.17638	-.26152	-.21779	-.22201	-.00249	-.17506	.40992	-.39330	
2.000	-3.515	-.18257	-.18748	-.18100	-.26026	-.21250	-.21417	-.00241	-.17935	.40528	-.26548	
2.000	-1.412	-.18533	-.18962	-.18437	-.26366	-.21742	-.20602	-.00264	-.18209	.40263	-.14463	
2.000	.683	-.18863	-.19261	-.18643	-.27012	-.22353	-.19842	-.00209	-.18445	.40048	-.02575	
2.000	2.778	-.19327	-.19600	-.18921	-.27167	-.22784	-.19464	-.00203	-.18845	.39467	.08813	
2.000	4.861	-.18393	-.18472	-.18257	-.26726	-.22777	-.19236	-.00244	-.18060	.38786	.20155	
	GRADIENT	-.00050	-.00034	-.00038	-.00105	-.00196	.00263	.00003	-.00042	-.00204	.05572	

LARC UPWT 1152(1A94A) OTSAT129

(RJK004) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-25995	-.27211	-.24520	-.31804	-.27112	-.29290	-.24494	-.24369	.46842	-.61371
1.550	-6.331	-.26204	-.27174	-.24729	-.33275	-.28761	-.28791	-.24488	-.24332	.46610	-.45076
1.550	-4.222	-.26149	-.26720	-.24920	-.32819	-.28368	-.28179	-.24494	-.24307	.46232	-.30397
1.550	-2.087	-.25961	-.26072	-.25071	-.31617	-.27079	-.27095	-.24491	-.24243	.45784	-.15839
1.550	.024	-.25746	-.25520	-.25071	-.30818	-.25976	-.25767	-.24491	-.24519	.45428	-.02372
1.550	2.115	-.25353	-.24943	-.24554	-.31013	-.25615	-.25464	-.24497	-.24524	.45128	.10414
1.550	4.215	-.24910	-.24439	-.24080	-.31988	-.25572	-.25360	-.24485	-.24175	.44788	.21821
	GRADIENT	00146	.00270	00104	00108	.00335	.00345	.00001	-.00001	-.00168	.06202

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.740	-19752	-.20489	-.18476	-.25469	-.21749	-.22513	-.00155	-.18619	.42050	-.53759
2.000	-5.630	-.19536	-.20304	-.18416	-.24724	-.20883	-.22264	-.00127	-.18435	.41448	-.39463
2.000	-3.516	-.19441	-.19652	-.18601	-.23916	-.19674	-.21608	-.00124	-.18588	.40815	-.26030
2.000	-1.409	-.19567	-.19560	-.18975	-.24134	-.19149	-.20860	-.00127	-.18930	.40389	-.13972
2.000	.686	-.19939	-.19715	-.19409	-.24880	-.19645	-.19861	-.00158	-.19363	.40165	-.02100
2.000	2.761	-.20157	-.19901	-.19813	-.25563	-.19861	-.18769	-.00158	-.19703	.39566	.05248
2.000	4.859	-.20436	-.20211	-.20030	-.25377	-.19676	-.18769	-.00189	-.19981	.39110	.20713
	GRADIENT	-.00123	-.00070	-.00177	-.00208	-.00034	00371	-.00008	-.00170	-.00202	05579

LARC UPWT 1152(1A94A) OTSAT129

(RJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.452	-.27370	-.27970	-.25771	-.29522	-.25357	-.29777	-.24393	-.25706	.46459	-.61515
1.550	-6.335	-.27652	-.28221	-.26023	-.31279	-.26680	-.29133	-.24399	-.25712	.46626	-.45329
1.550	-4.197	-.27736	-.28090	-.26231	-.31668	-.27071	-.28321	-.24454	-.25675	.46339	-.30217
1.550	-2.078	-.27247	-.27295	-.25866	-.30472	-.25635	-.27429	-.24427	-.25403	.45879	-.15705
1.550	.023	-.26876	-.26587	-.25556	-.29487	-.23306	-.26562	-.24424	-.25339	.45537	-.02369
1.550	2.114	-.26544	-.26133	-.25439	-.29830	-.24506	-.26259	-.24430	-.25161	.45296	.10005
1.550	4.214	-.26058	-.25617	-.25046	-.30756	-.24726	-.25679	-.24436	-.25045	.44785	.22009
	GRADIENT	.00193	.00291	.00133	.00118	.00277	.00307	.00002	.00071	-.00176	.06195

RUN NO 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.740	-.20374	-.20956	-.19502	-.23109	-.19552	-.22857	-.00065	-.19610	.41875	-.53990
2.000	-5.642	-.20378	-.20525	-.19444	-.22522	-.19308	-.22111	-.00073	-.19428	.41259	-.39790
2.000	-3.507	-.20497	-.20551	-.19626	-.22797	-.19179	-.21608	-.00062	-.19671	.40681	-.26603
2.000	-1.407	-.20593	-.20616	-.19783	-.23110	-.18408	-.20611	-.00067	-.19859	.40218	-.13624
2.000	.683	-.20783	-.20691	-.20097	-.23672	-.18412	-.19772	-.00075	-.20172	.39879	-.01796
2.000	2.766	-.21058	-.20863	-.20558	-.24320	-.18840	-.19174	-.00065	-.20631	.39471	.09571
2.000	4.863	-.21060	-.20803	-.20499	-.24353	-.18688	-.19083	-.00132	-.20571	.38967	.20950
	GRADIENT	-.00076	-.00636	-.00121	-.00207	.00026	.00310	-.00007	-.00123	-.00202	.05657

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(RJK006) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

		RUN NO. 1/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-4 423	- 25133	- 25831	-.23962	-.33493	-.27702	-.27817	-.24615	-.23597	.46015	-.31561
1.550	-2 286	- 24921	- 25095	-.24243	-.33527	-.27859	-.27169	- 24371	-.23907	.45927	-.17072
1.550	-.158	-.24843	-.24710	-.24228	-.33446	-.28242	-.26657	- 24139	- 24076	.45979	-.03171
1.550	1.936	- 24156	-.23931	- 23879	-.33809	- 28571	-.26276	- 23913	- 23668	.45663	.09265
1.550	4.038	- 23299	- 23014	- 23084	-.34553	-.28546	-.26158	- 23672	-.22845	.45059	.20868
1 550	6 165	-.22994	- 22678	-.22717	- 35912	-.29716	-.26347	- 23304	- 22511	.44640	.33220
1 550	8.230	- 22418	-.22134	-.22141	-.36751	-.29939	- 25860	- 23438	-.21907	.44200	.44510
	GRADIENT	.00209	.00321	.00100	-.00113	-.00114	.00199	.00111	.00082	-.00103	.06206

		RUN NO. 12/ 0		RN/L = 2 00		GRADIENT INTERVAL = -5 00/ 5.00					
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2 000	-5.053	-.17896	-.18512	-.17708	- 25785	-.20610	- 21084	-.00045	-.17545	.40393	-.35933
2 000	-2 944	-.18299	- 18729	-.18173	-.26343	-.21446	-.20272	-.00045	-.18040	.40075	-.23343
2.000	-.839	-.18613	- 18886	- 18487	-.26749	-.21943	-.19838	-.00051	-.18351	.39901	-.11217
2.000	1.264	-.18923	-.19196	-.18673	-.26842	-.22345	-.19339	- 00051	-.18568	.39660	.00381
2 000	3 364	-.18986	- 19136	-.18643	- 26532	-.22532	-.19278	-.00084	-.18631	.39198	.11600
2.000	5.478	-.18243	- 18269	-.18210	-.26408	-.22564	- 19279	-.00056	-.18014	.38622	.23868
2 000	7.560	-.18891	-.18544	-.18827	-.26562	- 22375	- 19244	-.00079	-.18226	.38926	.36334
	GRADIENT	-.00113	- 00073	-.00076	- 00031	-.00174	.00166	- 00006	-.00095	- 00137	.05537

LARC UPWT 1152(1A94A) OTSAT130

(RJK007) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1 550	-8 462	-.26445	- 28463	-.25707	-.37100	-.30878	-.30736	- 31394	-.25735	.46495	-.51270
1 550	-6 337	- 26303	-.27951	-.25626	-.38524	-.31840	-.29540	- 29182	- 25686	.46726	-.45472
1 550	-4 221	-.26161	- 27225	-.25546	-.38039	- 31819	-.28933	-.28329	-.25668	.46448	-.30389
1 550	-2 094	- 26256	- 26951	-.25857	-.38718	-.31760	- 27884	- 28023	-.25885	.46277	-.15970
1 550	.016	- 26416	- 26834	- 26232	-.39368	-.32102	-.27395	-.28029	- 26044	.46105	-.02135
1 550	4 110	-.26052	- 26256	-.25838	-.39648	-.32659	-.26937	- 27417	-.25713	.46097	.10126
1 550	4 224	- 25647	- 25728	-.25309	-.39675	-.32439	-.26777	- 26394	- 25217	.45530	.22713
	GRADIENT	.00058	.00175	00023	- 00199	-.00101	00249	.00212	.00051	-.00096	.06272

RUN NO 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2 000	-7.725	- 20183	- 21757	- 19653	- 26891	-.24190	- 23004	- 24036	-.19762	.41869	- 53946
2.000	-5 632	-.20184	- 21682	- 19747	- 27326	-.24624	- 22693	-.23663	-.19794	.41463	- 39891
2.000	-3 497	- 20459	-.22219	-.19991	-.27759	-.24621	-.21972	-.22819	-.20037	.40923	-.26301
2.000	-1.394	-.20645	-.22560	-.20208	-.28038	- 24435	-.21129	-.21978	-.20253	.40626	-.13677
2 000	.680	- 21269	- 23214	- 20708	- 28412	- 24592	-.20228	- 21234	- 20721	.40421	-.01875
2.000	2.776	-.20988	-.23150	- 20582	- 28287	-.24591	- 19008	- 19862	-.20687	.40050	.09664
2.000	4 873	- 21112	- 22499	-.20551	- 27790	- 24776	- 18884	-.18803	- 20718	.39379	.21298
	GRADIENT	- 00079	-.00055	-.00071	-.00015	- 00022	.00397	.00485	- 00086	-.00175	.05669

LARC UPWT 1152(1A94A) OTSAT130

(RJK008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-.25785	-.27496	-.24586	-.36404	-.32274	-.29731	-.30082	-.24620	.46736	-.61262
1.550	-6.325	-.25761	-.27378	-.24931	-.37362	-.31175	-.29396	-.29686	-.24993	.46504	-.45171
1.550	-4.207	-.25541	-.26705	-.25026	-.36071	-.30319	-.28657	-.28547	-.25119	.46164	-.30361
1.550	-2.076	-.25767	-.26370	-.25275	-.37089	-.30781	-.27887	-.27656	-.25306	.46007	-.15804
1.550	.020	-.25419	-.25778	-.25174	-.38099	-.31479	-.27075	-.27400	-.25082	.45837	-.02178
1.550	2.122	-.25087	-.25046	-.24811	-.38256	-.31576	-.27266	-.26666	-.24690	.45705	.10523
1.550	4.225	-.24801	-.24607	-.24463	-.38189	-.31507	-.26639	-.25885	-.24344	.45293	.22610
	GRADIENT	00112	00262	00075	-.00257	-.00151	00221	00300	.00103	-.00097	.06280

RUN NO. 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.722	-.18939	-.21570	-.18565	-.27729	-.24375	-.22972	-.23506	-.18648	.41784	-.53760
2.000	-5.615	-.19095	-.21632	-.18689	-.27760	-.24282	-.22816	-.23350	-.18772	.41217	-.39322
2.000	-3.514	-.19405	-.21632	-.18937	-.27946	-.24035	-.22161	-.22634	-.18988	.40760	-.26027
2.000	-1.389	-.19686	-.21757	-.19249	-.28133	-.23850	-.21070	-.21545	-.19299	.40442	-.13511
2.000	.700	-.20242	-.22096	-.19837	-.28380	-.24065	-.19820	-.20391	-.20007	.40083	-.01632
2.000	2.772	-.20585	-.22004	-.20086	-.28257	-.24251	-.19228	-.19801	-.20256	.39808	.09592
2.000	4.864	-.20429	-.21011	-.20054	-.27697	-.24405	-.18821	-.18990	-.20193	.39363	.20894
	GRADIENT	-.00141	.00047	-.00147	.00018	-.00054	00408	00432	-.00161	-.00164	.05591

LARC UPWT 1152(1A94A) OTSAT130

(RJK009) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.440	-.25087	-.26893	-.23270	-.35228	-.29468	-.30120	-.29790	-.23155	.46360	-.59649
1.550	-6.298	-.25514	-.26795	-.23669	-.35054	-.29243	-.29551	-.29100	-.23523	.45780	-.43840
1.550	-4.208	-.25185	-.25701	-.23759	-.34024	-.28572	-.28287	-.27928	-.23672	.45609	-.29414
1.550	-2.066	-.25001	-.25238	-.24167	-.34218	-.28349	-.27534	-.27085	-.24048	.45713	-.14793
1.550	.039	-.24733	-.24662	-.24150	-.34359	-.28707	-.27002	-.26403	-.24124	.45729	-.01712
1.550	2.120	-.24389	-.24073	-.23990	-.34562	-.29005	-.26377	-.25656	-.23935	.45316	.10307
1.550	4.229	-.23339	-.22964	-.23310	-.35307	-.28975	-.26221	-.24883	-.23104	.44758	.22453
	GRADIENT	.00204	.00315	.00051	-.00138	-.00069	.00251	.00357	.00059	-.00099	.06118

RUN NO. 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.727	-.17808	-.18858	-.17341	-.26620	-.22284	-.21987	-.21527	-.17336	.41679	-.53173
2.000	-5.618	-.18071	-.18905	-.17759	-.26208	-.21653	-.22568	-.22293	-.17814	.41047	-.38765
2.000	-3.506	-.18417	-.19032	-.18198	-.26148	-.21285	-.21916	-.21517	-.18220	.40637	-.26171
2.000	-1.412	-.18598	-.19120	-.18472	-.26486	-.21683	-.20663	-.20143	-.18370	.40284	-.14143
2.000	.690	-.18861	-.19135	-.18736	-.26836	-.22190	-.20209	-.19753	-.18571	.39960	-.02112
2.000	2.762	-.19384	-.19750	-.18979	-.27175	-.22650	-.19363	-.18939	-.19060	.39558	.08903
2.000	4.871	-.18665	-.18691	-.18601	-.26831	-.22770	-.19233	-.18779	-.18468	.38867	.20611
	GRADIENT	-.00061	.00033	-.00063	-.00098	-.00188	.00318	.00319	-.00057	-.00204	.05572

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(RJK010) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.449	-.26167	-.27353	-.24629	-.31058	-.26489	-.29464	-.29661	-.24724	.46675	-.61015
1.550	-6.308	-.26298	-.27301	-.24792	-.32727	-.28214	-.28946	-.28805	-.24641	.46497	-.44577
1.550	-4.149	-.26139	-.26773	-.24909	-.32722	-.28209	-.28384	-.27936	-.24543	.46114	-.29176
1.550	-2.079	-.26055	-.26259	-.25072	-.31930	-.27052	-.27126	-.26619	-.24491	.45755	-.15195
1.550	.028	-.25926	-.25793	-.25312	-.31033	-.26249	-.26409	-.26058	-.24791	.45533	-.01966
1.550	2.127	-.25342	-.25055	-.25066	-.31586	-.26004	-.25914	-.25441	-.24669	.45194	.10495
1.550	4.228	-.24927	-.24549	-.24466	-.32306	-.25958	-.25250	-.24839	-.24470	.44804	.22757
	GRADIENT	.00150	.00270	.00043	.00056	.00265	.00357	.00352	-.00002	-.00152	.06181

PUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.717	-.19593	-.20641	-.18256	-.25338	-.21684	-.22599	-.23258	-.18525	.41859	-.52586
2.000	-5.614	-.19405	-.20144	-.18254	-.24530	-.20723	-.22411	-.23039	-.18462	.41202	-.38557
2.000	-3.506	-.19375	-.19494	-.18535	-.23848	-.19641	-.21788	-.22261	-.18711	.40708	-.25507
2.000	-1.395	-.19589	-.19521	-.18935	-.24000	-.19235	-.21192	-.21480	-.19140	.40384	-.13287
2.000	.683	-.20026	-.19803	-.19465	-.24841	-.19733	-.20008	-.19801	-.19575	.40111	-.01582
2.000	2.790	-.20399	-.20051	-.19993	-.25555	-.19919	-.19010	-.18680	-.19977	.39580	.09905
2.000	4.875	-.20649	-.20394	-.20275	-.25556	-.19766	-.18669	-.18496	-.20443	.39092	.21220
	GRADIENT	-.00160	-.00111	-.00217	-.00237	-.00045	.00402	.00493	-.00205	-.00193	.05569

LARC UPWT 1152(1A94A) OTSAT130

(RJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = .000
 ELV-LO = 000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 17/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-.27842	-.28412	-.26367	-.29164	-.25124	-.29693	-.29859	-.26515	.46326	-.61202
1.550	-6.351	-.27959	-.28437	-.26238	-.30728	-.26252	-.29193	-.29237	-.26142	.46540	-.45117
1.550	-4 221	-.27990	-.28130	-.26361	-.31435	-.26743	-.28452	-.28435	-.26111	.46273	-.30212
1 550	-2 103	-.27406	-.27393	-.26145	-.30328	-.25578	-.27555	-.27818	-.25866	.45880	-.16015
1 550	.016	-.26889	-.26631	-.25967	-.29349	-.23286	-.26974	-.27269	-.25597	.45546	-.02149
1 550	2 119	-.26495	-.26053	-.25635	-.29908	-.24518	-.26640	-.26627	-.25358	.45323	.10559
1.550	4 216	-.26061	-.25559	-.25324	-.30735	-.24760	-.25865	-.25638	-.25294	.44794	.22621
	GRADIENT	.00226	.00307	.00122	.00087	.00239	.00289	.00322	.00102	-.00167	.06269

RUN NO 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2 000	-7 699	-.20716	-.21266	-.19659	-.23356	-.19338	-.22198	-.22764	-.19923	.41707	-.52812
2.000	-5.649	-.20810	-.21175	-.19753	-.22581	-.19339	-.22230	-.22828	-.19986	.41229	-.39343
2 000	-3.520	-.20624	-.20803	-.19722	-.22736	-.19154	-.21638	-.22143	-.19924	.40566	-.25692
2 000	-1.400	-.20469	-.20462	-.19598	-.23170	-.18257	-.20702	-.21178	-.19800	.40149	-.12874
2.000	.693	-.20902	-.20740	-.20031	-.23635	-.18441	-.20109	-.20679	-.20355	.39864	-.01272
2.000	2 774	-.21240	-.21046	-.20680	-.24533	-.19056	-.19263	-.19400	-.20908	.39460	.10025
2.000	4.875	-.21182	-.20864	-.20652	-.24659	-.18874	-.19267	-.18283	-.20912	.39030	.21713
	GRADIENT	-.00090	-.00634	-.00140	-.00248	-.00011	.00295	.00453	-.00147	-.00179	.05615

LARC UPWT 1152(1A94A) OTSAT130

(RJK012) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = .000
 ELV-LO = -5 000 ELV-RI = .000
 ELV-RO = -5 000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.746	-.20299	-.21873	-.19707	-.26665	-.24211	-.23248	-.24340	-.19752	.41793	-.55295
2.000	-5.612	-.20385	-.22021	-.19886	-.27438	-.24918	-.22775	-.23681	-.19869	.41442	-.40522
2.000	-3.525	-.20663	-.22392	-.20132	-.27778	-.24669	-.22055	-.22839	-.20083	.40991	-.27407
2.000	-1.428	-.20906	-.22852	-.20375	-.28335	-.24510	-.21050	-.21899	-.20294	.40724	-.15167
2.000	.689	-.21280	-.23318	-.20749	-.28584	-.24697	-.20364	-.21277	-.20635	.40546	-.02704
2.000	2.770	-.21244	-.23408	-.20838	-.28489	-.24724	-.19516	-.20400	-.20785	.40116	.08748
2.000	4.859	-.21306	-.22973	-.20745	-.27929	-.24879	-.18985	-.18842	-.20878	.39533	.19998
	GRADIENT	-.00078	-.00082	-.00081	-.00022	-.00030	.00366	.00453	-.00099	-.00168	.05663

LARC UPWT 1152(1A94A) OTSAT130

(RJK013) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5 000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.724	-.19093	-.21664	-.18656	-.27708	-.24534	-.23166	-.23699	-.18643	.41816	-.54992
2.000	-5.636	-.19201	-.21770	-.18764	-.27871	-.24420	-.22865	-.23367	-.18752	.41313	-.40808
2.000	-3.516	-.19511	-.21755	-.19044	-.27979	-.24040	-.22329	-.22769	-.19031	.40839	-.27377
2.000	-1.425	-.19804	-.21901	-.19337	-.28233	-.23895	-.21375	-.21847	-.19322	.40531	-.15242
2.000	.668	-.20364	-.22274	-.19959	-.28513	-.24267	-.19883	-.20421	-.20003	.40266	-.03113
2.000	2.771	-.20655	-.22134	-.20157	-.28411	-.24377	-.19552	-.20060	-.20262	.39945	.08568
2.000	4.857	-.20626	-.21269	-.20189	-.27589	-.24572	-.18958	-.19095	-.20232	.39544	.19797
	GRADIENT	-.00147	.00036	-.00149	.00029	-.00074	.00409	.00436	-.00160	-.00152	.05642

LARC UPWT 1152(1A94A) OTSAT130

(RJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.731	-17891	-19093	-17301	-26440	-23067	-.22844	-.22661	-.17263	.41414	-.54022
2.000	-5.639	-.18179	-19073	-.17836	-.26274	-21661	-.22641	-.22334	-.17766	.40833	-.40167
2.000	-3.526	-.18567	-.19214	-.18316	-.26186	-.21406	-.21918	-.21456	-.18212	.40396	-.27111
2.000	-1.414	-.18722	-.19307	-.18565	-.26528	-.21809	-.20950	-.20428	-.18367	.40150	-.15062
2.000	.680	-.19030	-19365	-18872	-.27024	-22333	-.20103	-.19520	-.18611	.39939	-.03400
2.000	2.768	-.19572	-20001	-19072	-.27139	-22815	-.19586	-.19097	-.19089	.39648	.08305
2.000	4.871	-.18971	-19120	-.18813	-.26947	-22993	-.19388	-.18931	-.18614	.38936	.19586
	GRADIENT	-.00079	-.00024	-.00072	-.00102	-.00199	.00306	.00304	-.00073	-.00168	.05566

LARC UPWT 1152(1A94A) OTSAT130

(RJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.742	-19698	-20682	-.18300	-.25622	-22062	-.22765	-.23421	-.18506	.41918	-.54317
2.000	-5.642	-19479	-.20340	-18268	-.24846	-.21165	-.22577	-.23203	-.18412	.41371	-.40251
2.000	-3.480	-19452	-19735	-18489	-.24166	-.20210	-.22175	-.22739	-.18663	.40882	-.27013
2.000	-1.400	-19671	-.19565	-.18987	-.24106	-.19440	-.21305	-.21560	-.19097	.40544	-.15023
2.000	.694	-.20132	-19936	-.19540	-.24785	-19868	-.20459	-.20312	-.19617	.40302	-.02865
2.000	2.805	-.20481	-.20132	-20014	-.25472	-20216	-.19502	-.19202	-.19934	.39841	.08775
2.000	4.872	-.20848	-.20592	-.20412	-.25624	-20180	-.18874	-.18637	-.20485	.39307	.20094
	GRADIENT	-.00172	-.00102	-.00233	-.00205	-.00034	.00402	.00505	-.00214	-.00184	.05644

LARC UPWT 1152(1A94A) OTSAT130

(RJK016) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.755	-.20723	-.21365	-.19698	-.23267	-.19808	-.22829	-.23454	-.19928	.41876	-.54836
2.000	-5.611	-.20879	-.21304	-.19792	-.23020	-.19779	-.22706	-.23393	-.19960	.41381	-.40471
2.000	-3.490	-.20791	-.21030	-.19828	-.22838	-.19506	-.22118	-.22682	-.19965	.40770	-.27004
2.000	-1.406	-.20632	-.20624	-.19700	-.23145	-.18884	-.21211	.21716	-.19807	.40372	-.14502
2.000	.677	-.21040	-.20876	-.20139	-.23830	-.18889	-.20188	-.20726	-.20337	.40161	-.03018
2.000	2.776	-.21410	-.21215	-.20787	-.24603	-.19473	-.19532	-.19915	-.20982	.39718	.08726
2 000	4.876	-.21353	-.21065	-.20793	-.24794	-.19325	-.19475	-.18834	-.20926	.39299	.20226
	GRADIENT	-.00091	-.00032	-.00144	-.00257	-.00011	.00333	.00454	-.00148	-.00172	.05627

LARC UPWT 1152(1A94A) OTSAT130

(RJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 10.000
 ELV-LO = -5 000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.460	-.27063	-.29019	-.26532	-.37820	-.31558	-.30435	-.31185	-.26654	.47001	-.59938
1.550	-6.335	-.26782	-.28401	-.26351	-.39606	-.32845	-.29255	-.28926	-.26344	.47125	-.43181
1 550	-4.192	-.26715	-.28210	-.26376	-.39047	-.32779	-.28538	-.28025	-.26308	.46815	-.27780
1 550	-2.091	-.26932	-.28333	-.26809	-.39283	-.32222	-.27516	-.27839	-.26524	.46652	-.13525
1.550	.022	-.27136	-.28319	-.27228	-.40193	-.32198	-.26576	-.27333	-.26851	.46489	.00145
1.550	2.129	-.26318	-.28299	-.26503	-.40200	-.32361	-.25971	-.26297	-.26190	.46380	.12566
1 550	4.223	-.26725	-.26358	-.25818	-.39826	-.31925	-.25746	-.25364	-.25263	.45772	.24937
	GRADIENT	.00123	.00177	.00067	-.00118	.00074	.00339	.00326	.00115	-.00112	.06248

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(RJK017) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 34/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.748	-20673	-21815	-19986	-28176	-24997	-22037	-23103	-20092	.42153	-53851
2.000	-5.631	-20804	-21790	-20024	-29020	-25591	-21324	-22142	-19851	.41680	-39583
2.000	-3.526	-21181	-22442	-20496	-29004	-24934	-20609	-21209	-20321	.41260	-26385
2.000	-1.431	-21677	-23000	-21023	-28880	-24594	-19736	-20431	-20939	.40867	-13851
2.000	676	-22085	-23531	-21586	-28789	-24504	-18618	-19315	-21530	.40623	-01848
2.000	2.779	-21895	-23589	-21458	-28601	-24687	-17522	-18315	-21495	.40276	09938
2.000	4.864	-21802	-23745	-21490	-28229	-24873	-17211	-17040	-21589	.39646	21074
	GRADIENT	-0.0070	-0.0152	-0.0115	.00087	00001	.00429	.00498	-0.00147	-0.00182	.05666

LARC UPWT 1152(1A94A) OTSAT130

(RJK018) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0.100

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.462	-26382	-28332	-25861	-39127	-33250	-29183	-29687	-25918	.47195	-59293
1.550	-6.332	-26527	-28140	-26220	-38384	-32172	-28897	-29125	-26153	.47080	-42749
1.550	-4.220	-26613	-28134	-26429	-37489	-31494	-28151	-28072	-26270	.46790	-28245
1.550	-2.089	-26521	-28288	-26368	-37705	-31371	-27009	-26871	-26117	.46418	-13889
1.550	.019	-26198	-27964	-26168	-38758	-31506	-25974	-26239	-25979	.46205	-00098
1.550	2.128	-26670	-26793	-25793	-39031	-31440	-25721	-25586	-25361	.46035	12665
1.550	4.235	-25430	-25941	-25554	-38789	-31200	-25388	-24638	-25153	.45591	24919
	GRADIENT	00152	00278	.00110	-0.00186	00025	.00323	.00386	.00141	-0.00132	.06290

LARC UPWT 1152(1A94A) OTSAT130

(RJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.732	-.20088	-.21538	-.19403	-.28909	-.25580	-.21852	-.22386	-.19604	42115	-.53841
2 000	-5 653	-.20001	-.22008	-.19378	-.28973	-.24687	-.21296	-.21769	-.19517	41600	-.39487
2.000	-3 521	-.20097	-.22537	-.19660	-.28881	-.24286	-.20674	-.21118	-.19767	41128	-.26209
2 000	-1 413	-.20591	-.22845	-.20154	-.28756	-.23975	-.19580	-.20057	-.20259	40741	-.13698
2 000	.686	-.21181	-.23186	-.20744	-.28694	-.23975	-.18270	-.18781	-.20877	40448	-.01745
2.000	2.786	-.21494	-.23530	-.21120	-.28509	-.24287	-.17557	-.17976	-.21251	40079	.09878
2 000	4 872	-.21560	-.23006	-.21154	-.27922	-.24506	-.17156	-.17234	-.21193	39670	.20970
	GRADIENT	-.00183	-.00077	-.00189	.00103	-.00036	.00432	00469	-.00183	-.00170	05620

LARC UPWT 1152(1A94A) OTSAT130

(RJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10 000
 ELV-LO = -5.000 ELV-RI = 10 000
 ELV-RO = -5.000

RUN NO 28/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.415	-.25437	-.26808	-.24977	-.35895	-.30542	-.29591	-.29454	-.25006	47237	-.57182
1 550	-6.310	-.25856	-.26827	-.25487	-.35825	-.30439	-.28938	-.28734	-.25423	46835	-.41681
1 550	-4 194	-.26309	-.26738	-.25694	-.35050	-.29573	-.27477	-.27306	-.25598	46428	-.27313
1 550	-2.082	-.26518	-.26628	-.25749	-.34891	-.29384	-.26481	-.26221	-.25684	46292	-.13026
1.550	.028	-.26078	-.25913	-.25525	-.34731	-.29069	-.25668	-.25347	-.25491	46094	00365
1.550	2.123	-.25595	-.25522	-.25226	-.34984	-.28985	-.24965	-.24369	-.25163	45769	.12520
1.550	4 227	-.24745	-.24581	-.24684	-.35648	-.29061	-.24761	-.23516	-.24347	45228	24378
	GRADIENT	.00192	.00262	.00121	-.00061	.00068	.00330	00448	00144	-.00139	.06126

LARC UPWT 1152(1A94A) OTSAT130

(RJK019) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7 716	- 18731	-.20086	-.17985	- 27097	-.23597	-.21106	- 21020	- 18068	.42182	-.52662
2.000	-5 616	- 19006	- 19712	- 18508	- 27064	- 22822	-.20854	- 20644	- 18527	.41472	-.38937
2 000	-3 519	-.19363	- 19853	-.18926	-.26791	-.21826	-.20031	- 19667	-.18881	.41027	-.26190
2 000	-1 415	- 19635	-.20032	- 19229	-.27036	- 21913	- 18962	-.18444	-.19090	.40721	-.14230
2 000	689	- 20176	- 20509	- 19677	- 27570	-.22171	-.17976	- 17430	- 19529	.40481	-.02010
2.000	2 770	- 20737	- 21411	- 19989	- 27696	- 22699	-.17323	-.16903	-.20064	.40022	.09273
2 000	4.867	-.20332	- 20634	-.19771	- 27416	-.22760	- 17135	- 16683	-.19785	.39399	.20728
	GRADIENT	- 00145	- 00140	-.00117	-.00091	-.00127	00355	00358	- 00133	-.00189	.05599

LARC UPWT 1152(1A94A) OTSAT130

(RJK020) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

BETA = 4 000 ELV-LI = 10 000
 ELV-LO = -5.000 ELV-RI = 10 000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 452	- 26254	- 27007	-.25672	-.32539	- 28406	-.29265	-.29460	- 25608	.47320	-.59206
1.550	-6 337	-.26569	- 27138	-.26141	-.33772	-.29697	-.28749	-.28608	- 26135	.47169	-.43195
1 550	-4 196	-.26530	- 26752	-.26316	-.33275	-.29109	-.27632	- 27247	- 26249	.46706	- 28116
1.550	-2.078	- 26588	-.26514	-.26436	- 32291	- 27823	-.26243	-.25830	-.26307	.46271	- 13742
1 550	028	-.26778	-.26367	- 26656	- 31591	- 26790	-.25325	- 25007	-.26496	.45966	- 00337
1.550	2 132	- 26502	- 25969	- 26472	-.32081	- 26637	-.24739	- 24361	- 26221	.45627	.12170
1.550	4.230	- 26098	-.25474	-.25976	-.32720	-.26509	- 23994	-.23494	- 25635	.45157	.24120
	GRADIENT	00045	00148	.00030	.00063	.00303	00417	00426	00062	-.00178	.06191

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(RJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.744	-20224	-21549	-19384	-26245	-22124	-21208	-21805	-119616	42107	-53006
2.000	-5.619	-20224	-21394	-19446	-25438	-21351	-20958	-21525	-119678	41593	-38655
2.000	-3.505	-20316	-20990	-19724	-24569	-20144	-20240	-20560	-119986	41162	-25519
2.000	-1.420	-20628	-21053	-20222	-24880	-19589	-19274	-19441	-20419	40782	-13417
2.000	.681	-21091	-21361	-20685	-25313	-19895	-18368	-18391	-20942	40471	-01627
2.000	2.770	-21371	-21610	-21121	-25748	-20144	-17371	-17324	-21314	39966	10120
2.000	4.870	-21282	-21335	-21125	-25782	-19901	-17003	-16677	-21288	39442	21841
	GRADIENT	-00128	-00060	-00177	-00157	-00003	00400	00472	-00167	-00203	05647

LARC UPWT 1152(1A94A) OTSAT130

(RJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.442	-27575	-27959	-26901	-30426	-26240	-29483	-29740	-26801	46833	-59038
1.550	-6.319	-27725	-28048	-27113	-31650	-27123	-28710	-28723	-27134	46943	-43091
1.550	-4.201	-27773	-28033	-27282	-31515	-26803	-27772	-27787	-27303	46577	-28151
1.550	-2.085	-27681	-27728	-27405	-30779	-25947	-26693	-26864	-27333	46218	-14154
1.550	.022	-27466	-27238	-27282	-30134	-24327	-25830	-26034	-27181	45874	00130
1.550	2.123	-27092	-26550	-27001	-30620	-25391	-25424	-25351	-26717	45612	12530
1.550	4.231	-26967	-26218	-26783	-31262	-25296	-24712	-24395	-26622	45101	24654
	GRADIENT	00104	00221	00066	00032	00170	00351	00394	00094	-00169	06278

LARC UPWT 1152((A94A) OTSAT130

(RJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -E.000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7 729	- 20907	-.22664	- 20253	-.24414	- 20269	- 21582	-.22365	-.19863	.41945	-.52624
2.000	-5 639	- 21093	-.22540	-.20284	-.23639	-.19867	- 20896	-.21557	-.19709	.41407	- 39184
2.000	-3 518	- 21154	-.22539	- 20438	-.23389	- 19247	- 20115	- 20591	-.20109	.40906	-.25631
2.000	-1 409	-.21151	- 21576	-.20714	- 23449	- 18068	-.19176	-.19716	-.20816	.40478	- 12911
2 000	.679	-.21499	-.21644	-.21186	-.23889	-.18478	-.18373	-.18946	-.21348	.40143	-.01320
2 000	2.773	-.21870	- 22108	- 21588	- 24384	-.19002	- 17405	-.17825	-.21872	.39705	.10618
2 000	4 871	- 21562	- 21552	-.21404	-.24634	-.18850	- 17439	-.16646	-.21658	.39296	.21854
	GRADIENT	- 00073	.00069	- 00134	- 00163	-.00006	00340	00467	-.00198	-.00191	.05654

LARC UPWT 1152((A94A) OTSAT130

(RJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 462	- 27171	-.29092	- 26710	- 37810	-.31565	- 30377	-.31127	-.26766	.46994	-.58727
1 550	-6 337	-.26832	- 28540	- 26402	-.39317	- 32668	- 29388	-.29247	-.26398	.47139	-.42348
1 550	-4 207	-.26799	- 28322	- 26461	-.39377	- 32881	- 28582	-.28072	-.26365	.46876	-.27124
1.550	-2.061	-.26977	- 28439	-.26855	- 39558	- 32447	- 27402	-.27666	- 26573	.46668	- 12714
1.550	.037	-.27125	-.28434	-.27218	- 40231	- 32197	-.26377	-.27136	- 26843	.46546	.00678
1.550	2.136	- 26233	-.28249	- 26388	- 40262	- 32227	- 25820	-.26118	- 26108	.46409	.13211
1.550	4 223	- 25806	-.26655	-.25960	-.40017	- 32107	- 25483	-.25196	- 25468	.45977	.25220
	GRADIENT	.00129	00167	00069	-.00094	.00084	.00370	.00346	.00107	-.00098	.06204

LARC UPWT 1152(1A94A) OTSAT130

(RJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.717	-.20637	-.21654	-.19889	-.28253	-.24988	-.21839	-.22812	-.19967	.42253	-.50822
2.000	-5.601	-.20758	-.21806	-.20010	-.28624	-.25295	-.21336	-.22217	-.19809	.41820	-.36934
2.000	-3.513	-.21223	-.22426	-.20537	-.28841	-.25046	-.20554	-.21250	-.20365	.41352	-.23891
2.000	-1.417	-.21687	-.22951	-.21001	-.28747	-.24673	-.19615	-.20312	-.20982	.40914	-.11515
2.000	.694	-.22072	-.23520	-.21572	-.28721	-.24651	-.18348	-.19142	-.21520	.40715	.00497
2.000	2.785	-.21797	-.23463	-.21298	-.28631	-.24903	-.17419	-.18151	-.21339	.40345	.11924
2.000	4.886	-.21678	-.23560	-.21304	-.28199	-.24969	-.17238	-.17131	-.21376	.39748	.23344
	GRADIENT	-.00049	-.00132	-.00087	.00067	-.00004	.00420	.00495	-.00113	-.00180	.05615

LARC UPWT 1152(1A94A) OTSAT130

(RJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.442	-.26406	-.28331	-.25884	-.38933	-.33046	-.29055	-.29500	-.25974	.47239	-.57947
1.550	-6.350	-.26616	-.28233	-.26308	-.38559	-.32335	-.28895	-.29186	-.26213	.47109	-.42233
1.550	-4.193	-.26652	-.28331	-.26437	-.37824	-.31666	-.28199	-.28235	-.26280	.46830	-.27139
1.550	-2.106	-.26526	-.28420	-.26342	-.38037	-.31510	-.26919	-.26782	-.26155	.46525	-.13120
1.550	.023	-.26182	-.27923	-.26090	-.39049	-.31505	-.25861	-.26097	-.25934	.46319	.00699
1.550	2.136	-.25572	-.26791	-.25665	-.39330	-.31264	-.25496	-.25301	-.25297	.46182	.13112
1.550	4.216	-.25351	-.25863	-.25505	-.39234	-.31167	-.25181	-.24585	-.25076	.45793	.25040
	GRADIENT	.00169	.00312	.00121	-.00196	.00059	.00353	.00417	.00155	-.00115	.06201

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(RJK023) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.718	-.20033	-.21670	-.19410	-.28696	-.24876	-.21356	-.21706	-.19552	.42223	-.50974
2.000	-5.610	-.20003	-.22043	-.19412	-.28789	-.24815	-.21326	-.21832	-.19553	.41651	-.36886
2.000	-3.495	-.20094	-.22475	-.19688	-.28788	-.24566	-.20855	-.21332	-.19829	.41184	-.23507
2.000	-1.397	-.20625	-.22818	-.20189	-.28759	-.24228	-.19487	-.19997	-.20296	.40786	-.11360
2.000	.699	-.21274	-.23188	-.20837	-.28695	-.24164	-.18079	-.18561	-.20942	.40517	.00207
2.000	2.779	-.21456	-.23494	-.21112	-.28507	-.24470	-.17419	-.17934	-.21185	.40158	.11733
2.000	4.878	-.21520	-.22907	-.21052	-.28042	-.24564	-.17172	-.17345	-.21125	.39764	.23233
	GRADIENT	-.00176	-.00074	-.00175	.00083	-.00011	.00451	.00480	-.00166	-.00166	.05572

LARC UPWT 1152(1A94A) OTSAT130

(RJK024) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.440	-.25630	-.26909	-.25077	-.35932	-.30459	-.29571	-.29398	-.25140	.47341	-.57208
1.550	-6.317	-.25984	-.26860	-.25557	-.35959	-.30423	-.28892	-.28691	-.25496	.46979	-.41689
1.550	-4.191	-.26363	-.26910	-.25723	-.35187	-.29574	-.27395	-.27229	-.25632	.46507	-.26419
1.550	-2.074	-.26533	-.26513	-.25773	-.35062	-.29372	-.26553	-.26358	-.25682	.46407	-.12408
1.550	.014	-.26208	-.26014	-.25598	-.35123	-.29024	-.25612	-.25297	-.25629	.45917	.00504
1.550	2.119	-.25629	-.25558	-.25231	-.35308	-.28832	-.24874	-.24281	-.25201	.45566	.13020
1.550	4.224	-.24508	-.24406	-.24385	-.35879	-.28883	-.24490	-.23208	-.24111	.45326	.25073
	GRADIENT	.00219	.00279	.00153	-.00078	.00091	.00356	.00481	.00168	-.00152	.06108

LARC UPWT 1152(1A94A) OTSAT130

(RJK024) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.719	-18586	-19635	-17964	-26839	-23059	-21054	-20907	-18050	.42048	-.49239
2.000	-5.604	-19003	-19620	-18471	-26797	-22502	-20796	-20586	-18493	.41491	-.36102
2.000	-3.507	-19309	-19739	-18841	-26749	-21779	-20007	-19643	-18768	.41050	-.23596
2.000	-1.380	-19575	-19942	-19138	-26913	-21793	-19148	-18694	-19034	.40798	-.11535
2.000	.693	-20127	-20431	-19567	-27330	-22124	-18051	-17537	-19553	.40624	.00025
2.000	2.781	-20576	-21126	-19860	-27586	-22569	-17256	-16838	-19938	.40006	.11405
2.000	4.892	-20045	-20348	-19609	-27429	-22597	-17190	-16710	-19502	.39295	.23098
	GRADIENT	-.00118	-.00114	-.00108	-.00097	-.00115	.00359	.00368	-.00113	-.00205	.05550

LARC UPWT 1152(1A94A) OTSAT130

(RJK025) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.428	-.26385	-.27173	-.25832	-.32513	-.28426	-.29253	-.29482	-.25708	.47371	-.57851
1.550	-6.322	-.26663	-.27266	-.26263	-.33622	-.29592	-.28758	-.28679	-.26198	.47284	-.42046
1.550	-4.161	-.26576	-.26933	-.26361	-.33473	-.29321	-.27866	-.27635	-.26296	.46830	-.26982
1.550	-2.074	-.26601	-.26558	-.26478	-.32359	-.27874	-.26344	-.25962	-.26290	.46424	-.12723
1.550	.032	-.26752	-.26371	-.26629	-.31587	-.26582	-.25289	-.25002	-.26471	.46143	.00534
1.550	2.134	-.26388	-.25885	-.26389	-.32208	-.26404	-.24553	-.24175	-.26170	.45797	.13216
1.550	4.246	-.25899	-.25335	-.25869	-.32765	-.26560	-.23844	-.23375	-.25499	.45384	.25297
	GRADIENT	.00075	.00181	.00051	.00074	.00332	.00468	.00490	.00082	-.00167	.06207

LARC UPWT 1152(1A94A) OTSAT130

(RJK025) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7 715	-.20214	- 21602	-.19342	-.25681	-.21560	-.21163	- 21794	- 19546	.42252	- 49764
2.000	-5.599	- 20214	- 21292	- 19466	-.25090	-.21065	- 20945	- 21514	- 19701	.41708	- 36001
2.000	-3.490	- 20338	-.20982	-.19746	- 24656	-.20292	-.20352	-.20673	- 20010	.41226	- 23213
2 000	-1.409	-.20680	-. 1076	-.20244	-.24843	-.19643	-.19323	-.19523	-.20475	.40875	-.11568
2.000	.706	-.21051	- 21322	- 20676	-.25431	- 19950	-.18135	- 18150	-.20936	.40550	00616
2.000	2.784	-.21204	-.21351	-.20984	- 25771	-.19979	-.17227	-.17151	-.21151	.39997	12290
2 000	4.873	- 21206	-.21229	-.21049	-.25773	-.19764	-.17043	- 16811	- 21215	.39527	.23611
	GRADIENT	- 00108	- 00037	- 00160	- 00151	00034	.00417	00483	-.00148	-.00204	.05617

LARC UPWT 1152(1A94A) OTSAT130

(RJK026) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = 0100

BETA = 6 000 ELV-LI = 10.000
 ELV-LO = 2 000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 434	-.27684	-.28071	- 26977	-.30301	-.26100	- 29475	-.29672	- 26848	.46884	- 57595
1 550	-6 320	- 27805	-.28099	-.27189	-.31530	-.27017	-.28699	-.28743	- 27151	.47046	- 42047
1 550	-4.173	- 27813	-.28016	-.27321	- 31507	-.26842	-.27872	-.27918	-.27344	.46724	- 27285
1.550	-2.069	-.27659	- 27738	-.27383	-.30830	-.25983	-.26634	-.26838	-.27313	.46369	-.12589
1.550	037	-.27447	-.27219	-.27263	- 30248	- 24360	- 25802	- 26008	-.27163	.46067	.00813
1.550	2.126	-.27041	-.26659	-.26949	-.30704	-.25274	-.25301	- 25261	-.26636	.45829	.13182
1 550	4.232	-.26898	-.26210	-.26714	-.31361	-.25409	-.24633	- 24317	- 26556	.45333	.25152
	GRADIENT	00117	00226	.00078	.00020	00170	.00372	00418	00107	-.00158	06220

LARC UPWT 1152(1A94A) OTSAT130

(RJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2 000	-7 704	-.20896	-.22563	-.20179	-.24003	-.19795	-.21443	-.22105	-.19699	.42017	-.50200
2 000	-5.639	-.21081	-.22469	-.20240	-.23505	-.19608	-.21005	-.21668	-.19760	.41478	-.36728
2 000	-3.490	-.21174	-.22407	-.20427	-.23287	-.19082	-.20225	-.0702	-.20193	.40931	-.23239
2 000	-1.401	-.21172	-.21598	-.20735	-.23316	-.18120	-.19317	-.19859	-.20840	.40501	-.11156
2 000	.691	-.21485	-.21631	-.21141	-.23815	-.18339	-.18383	-.18958	-.21337	.40223	.01094
2 000	2.799	-.21763	-.21878	-.21481	-.24343	-.18771	-.17508	-.17774	-.21769	.39769	.12309
2.000	4 894	-.21545	-.21412	-.21387	-.24528	-.18615	-.17413	-.16620	-.21613	.39338	.24026
	GRADIENT	-.00064	.00081	-.00127	-.00167	.00013	.00354	.00489	-.00180	-.00187	.05627

LARC UPWT 1152(1A94A) OTSAT130

(RJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 10 000
 ELV-LO = -10 000 ELV-RI = 10 000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 449	-.27055	-.28979	-.26655	-.37863	-.31670	-.30544	-.31295	-.26680	.47084	-.60053
1.550	-6 335	-.26831	-.28510	-.26431	-.39520	-.32891	-.29391	-.29156	-.26396	.47182	-.43870
1.550	-4.227	-.26761	-.28736	-.26454	-.39227	-.32940	-.28670	-.28191	-.26389	.46931	-.29263
1.550	-2 090	-.26972	-.28372	-.26850	-.39028	-.32226	-.27706	-.27969	-.26599	.46667	-.14361
1 550	.029	-.27232	-.28448	-.27387	-.39867	-.32269	-.26825	-.27582	-.27011	.46542	-.00726
1.550	2.126	-.26470	-.28514	-.26686	-.40147	-.32488	-.26182	-.26540	-.26405	.46395	.12081
1 550	4.227	-.25920	-.26707	-.26074	-.39626	-.32184	-.25938	-.25588	-.25612	.45907	.24060
	GRADIENT	.00103	.00142	.00043	-.00091	.00059	.00331	.00314	.00082	-.00110	.06301

LARC UPWT 1152(1A94A) OTSAT130

(RJK027) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.738	-.20892	-.22000	-.20207	-.28561	-.25144	-.22250	-.23283	-.20315	.42609	-.53341
2.000	-5.645	-.21007	-.21989	-.20261	-.28974	-.25468	-.21771	-.22680	-.20090	.42126	-.39528
2.000	-3.516	-.21414	-.22488	-.20699	-.29162	-.25317	-.21090	-.21907	-.20588	.41531	-.25751
2.000	-1.422	-.21849	-.23139	-.21227	-.29070	-.24823	-.19971	-.20727	-.21206	.41119	-.13589
2.000	.681	-.22342	-.23663	-.21844	-.28976	-.24667	-.18879	-.19855	-.21945	.40926	-.01569
2.000	2.727	-.22126	-.23757	-.21690	-.28852	-.24884	-.17915	-.18800	-.21699	.40552	.09958
2.000	4.860	-.22061	-.23974	-.21748	-.28306	-.25259	-.17526	-.17199	-.21849	.39835	.21151
	GRADIENT	-.00075	-.00172	-.00123	00092	.00003	00439	00543	-.00144	-.00190	.05614

LARC UPWT 1152(1A94A) OTSAT130

(RJK028) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.464	-.26357	-.28127	-.25866	-.39151	-.33299	-.29282	-.29788	-.25925	.47385	-.60286
1.550	-6.335	-.26502	-.28118	-.26226	-.38468	-.32341	-.28996	-.29287	-.26131	.47248	-.44064
1.550	-4.208	-.26561	-.28208	-.26407	-.37451	-.31542	-.28221	-.28174	-.26250	.46888	-.28852
1.550	-2.096	-.26558	-.28297	-.26405	-.37480	-.31478	-.27167	-.27030	-.26186	.46505	-.14485
1.550	.028	-.26275	-.28015	-.26276	-.38646	-.31718	-.26110	-.26376	-.26088	.46309	-.00875
1.550	2.118	-.25783	-.27062	-.25937	-.38953	-.31718	-.25893	-.25759	-.25567	.46101	.11736
1.550	4.238	-.25509	-.26021	-.25632	-.38647	-.31445	-.25525	-.24929	-.25233	.45742	.23913
	GRADIENT	00136	.00266	.00096	-.00183	-.00002	00316	.00368	00126	-.00128	.06243

LARC UPWT 1152(1A94A) OTSAT130

(RJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.729	-.20255	-.21862	-.19663	-.28988	-.25102	-.21393	-.21713	-.19834	.42532	-.53280
2.000	-5.640	-.20229	-.22176	-.19637	-.29177	-.25074	-.21585	-.22059	-.19777	.41962	-.39591
2.000	-3.496	-.20287	-.22639	-.19850	-.29144	-.24669	-.21051	-.21527	-.19990	.41422	-.25530
2.000	-1.415	-.20878	-.23042	-.20472	-.29020	-.24174	-.19655	-.20094	-.20516	.40969	-.13374
2.000	.701	-.21469	-.23353	-.21063	-.28896	-.24144	-.18492	-.19036	-.21167	.40612	-.01509
2.000	2.791	-.21686	-.23662	-.21342	-.28709	-.24452	-.17804	-.18318	-.21413	.40225	.09948
2.000	4.860	-.21782	-.23231	-.21376	-.28338	-.24765	-.17433	-.17637	-.21448	.39889	.21227
	GRADIENT	-.00182	-.00086	-.00188	.00092	-.00022	.00433	.00457	-.00182	-.00182	.05586

LARC UPWT 1152(1A94A) OTSAT130

(RJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.441	-.25480	-.26821	-.25020	-.35840	-.30584	-.29635	-.29370	-.25083	.47310	-.58645
1.550	-6.330	-.25861	-.26865	-.25523	-.35875	-.30576	-.29068	-.28834	-.25430	.46924	-.43531
1.550	-4.192	-.26342	-.26732	-.25726	-.35312	-.29890	-.27819	-.27711	-.25633	.46509	-.28321
1.550	-2.084	-.26569	-.26711	-.25832	-.34966	-.29649	-.26653	-.26424	-.25769	.46366	-.14163
1.550	.011	-.26173	-.26070	-.25652	-.34737	-.29309	-.25853	-.25535	-.25651	.46142	-.00687
1.550	2.138	-.25654	-.25644	-.25318	-.34924	-.29251	-.25085	-.24492	-.25257	.45798	.11514
1.550	4.240	-.24838	-.24706	-.24808	-.35586	-.29327	-.24943	-.25734	-.24474	.45194	.23620
	GRADIENT	.00186	.00248	.00111	-.00024	.00072	.00347	.00469	.00134	-.00152	.06144

LARC UPWT 1152(1A94A) QTSAT130

(RJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.734	-18881	-19988	-18292	-.27539	-.23308	-20907	-20575	-.18315	.42489	-.52672
2.000	-5.631	-.19208	-.19882	-18711	-.27439	-23051	-21050	-20842	-.18763	.41779	-.38785
2.000	-3.506	-19533	-19992	-19096	-27105	-22149	-.20291	-.19928	-.19054	.41238	-.25551
2.000	-1.397	-.19819	-20185	-.19413	-27216	-22128	-.19425	-18970	-19307	.40905	-.13543
2.000	.686	-.20315	-20650	-19816	-.27620	-.22375	-18393	-.17847	-.19801	.40666	-.01802
2.000	2.790	-.20943	-21463	-20165	-27872	-22969	-17621	-.17201	-20241	.40086	.09795
2.000	4.876	-.20502	-20774	-.20002	-27744	-.23087	-.17456	-17037	-19925	.39444	.21150
	GRADIENT	-00146	-00136	-00122	-00092	-.00130	00357	00360	-.00128	-00210	05572

LARC UPWT 1152(1A94A) QTSAT130

(RJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.445	-.26269	-.27057	-.25747	-32548	-.28340	-29382	-.29579	-25653	.47478	-.59826
1.550	-6.315	-.26515	-.27118	-26147	-.33409	-.29321	-28980	-28931	-.26143	.47315	-.43674
1.550	-4.167	-.26543	-26908	-.26359	-33438	-.29257	-27864	-27602	-.26263	.46851	-.28819
1.550	-2.092	-26602	-26590	-26510	-.32420	-27997	-26469	-.26086	-26352	.46430	-.14353
1.550	.033	-.26885	-.26534	-26793	-31840	-.27082	-.25609	-25321	-.26664	.46146	-.01025
1.550	2.134	-26638	-.26104	-26608	-32117	-.26898	-25021	-24673	-.26419	.45785	.11437
1.550	4.214	-26205	-.25609	-.26144	-.32822	-.26680	-.24214	-23713	-25803	.45317	.23440
	GRADIENT	00030	00137	.00016	00073	00298	.00417	00438	.00040	-00177	.06209

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LARC UPWT 1152(1A94A) OTSAT130

(RJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.713	-.20441	-.21768	-.19600	-.26191	-.22190	-.21423	-.22054	-.19802	.42535	-.52239
2.000	-5.608	-.20378	-.21395	-.19631	-.25352	-.21385	-.21111	-.21711	-.19864	.41978	-.38207
2.000	-3.516	-.20469	-.21083	-.19908	-.24822	-.20546	-.20547	-.20899	-.20171	.41468	-.25145
2.000	-1.421	-.20873	-.21269	-.20436	-.25102	-.20051	-.19610	-.19871	-.20666	.40988	-.13100
2.000	.685	-.21244	-.21546	-.20900	-.25628	-.20327	-.18545	-.18560	-.21159	.40674	-.01382
2.000	2.780	-.21523	-.21762	-.21334	-.26156	-.20574	-.17482	-.17436	-.21499	.40084	.10573
2.000	4.861	-.21526	-.21642	-.21337	-.26096	-.20360	-.17330	-.17129	-.21564	.39597	.21741
	GRADIENT	-.00132	-.00077	-.00179	-.00172	-.00007	.00409	.00476	-.00173	-.00222	.05605

LARC UPWT 1152(1A94A) OTSAT130

(RJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.27522	-.27970	-.26876	-.30508	-.26368	-.29621	-.29849	-.26809	.47022	-.59976
1.550	-6.334	-.27738	-.28062	-.27123	-.31463	-.27135	-.29003	-.29139	-.27146	.47161	-.44438
1.550	-4.212	-.27744	-.27976	-.27252	-.31714	-.27048	-.27925	-.27972	-.27274	.46787	-.29219
1.550	-2.095	-.27716	-.27733	-.27439	-.31070	-.26285	-.26908	-.27080	-.27369	.46423	-.14622
1.550	.014	-.27632	-.27434	-.27448	-.30432	-.24760	-.26051	-.26286	-.27378	.46086	-.01125
1.550	2.121	-.27290	-.26909	-.27168	-.30706	-.25554	-.25546	-.25666	-.26915	.45856	.11599
1.550	4.222	-.27106	-.26387	-.26922	-.31352	-.25524	-.25058	-.24833	-.26762	.45324	.23857
	GRADIENT	.00081	.00190	.00044	.00052	.00179	.00332	.00365	.00070	-.00166	.06279

LARC UPWT 1152(1A94A) OTSAT130

(RJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10 000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.718	-.21090	-.22789	-.20466	-.24417	-.20112	-.21233	- 21771	-.20077	.42319	-.52511
2.000	-5 647	-.21243	-.22725	- 20464	-.23887	- 20140	-.21168	- 21862	-.19951	.41782	-.38674
2.000	-3 520	-.21340	-.22697	- 20591	- 23672	- 19617	-.20422	- 20930	-.20326	.41213	- 25074
2.000	-1.396	- 21368	- 21857	-.20900	- 23701	- 18716	-.19639	-.20180	-.21066	.40656	- 12128
2 000	681	-.21684	-.21861	-.21339	- 24078	-.18783	-.18800	-.19406	-.21566	.40333	- 00711
2 000	2 790	- 22022	-.22261	- 21771	- 24666	- 19337	-.17766	-.18062	- 22058	.39852	10686
2 000	4.878	- 21865	-.21856	- 21676	- 25006	-.19304	-.17763	- 16813	- 21932	.39406	.22048
	GRADIENT	- 00081	.00061	- 00145	- 00173	00000	.00343	00493	-.00200	-.00211	.05579

LARC UPWT 1152(1A94A) OTSAT130

(RJK032) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10 000

RUN NO. 59/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1 550	-8 449	- 27155	-.29107	- 26787	-.37979	-.31794	-.30487	-.31236	-.26749	.47215	-.59890
1.550	-6 339	-.26959	- 28631	- 26561	-.39475	-.32902	-.29387	- 29246	-.26495	.47340	-.43544
1 550	-4 197	- 26865	-.28753	- 26590	-.39370	- 33017	-.28644	- 28197	-.26463	.47019	- 28885
1.550	-2.103	- 27118	- 28545	-.27058	- 39171	- 32296	-.27544	-.27867	-.26745	.46746	-.14520
1.550	.020	-.27439	- 28651	-.27562	-.39958	- 32281	- 26664	- 27420	- 27124	.46576	- .00922
1 550	2.128	-.26549	-.28624	- 26734	-.40137	-.32414	- 26046	- 26374	-.26421	.46493	12085
1.550	4 219	- 26070	- 26919	- 26224	-.39635	- 32155	- 23843	- 25524	- 25699	.45950	.24166
	GRADIENT	.00102	00132	00050	- 00071	00076	.00337	00325	00088	-.00113	06301

LARC UPWT 1152(1A94A) OTSAT130

(RJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	-26530	-.28424	-26038	-.39092	-33294	-.29244	-.29719	-.26065	47508	-.60027
1.550	-6.330	-.26710	-.28326	-26465	-.38493	-.32364	-.28959	-.29188	-26306	47324	-43865
1.550	-4.190	-.26713	-.28421	-26560	-.37880	-.31876	-.28251	-.28327	-26340	47018	-28679
1.550	-2.093	-.26688	-.28518	-.26504	-.37576	-.31636	-.27206	-.27161	-.26284	46644	-.14408
1.550	0.42	-.26381	-.28181	-26381	-.38437	-.31697	-.26062	-.26267	-.26162	46425	-.00508
1.550	2.129	-.25880	-.27128	-26034	-.38893	-.31659	-.25775	-.25510	-.25571	46212	12005
1.550	4.240	-.25673	-.26125	-25889	-.38591	-.31421	-.25506	-.24787	-.25366	45792	.23979
	GRADIENT	.00137	.00284	.00086	-.00130	.00042	.00328	.00409	00126	-.00137	.06249

LARC UPWT 1152(1A94A) OTSAT130

(RJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO 58/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.424	-25701	-.27072	-25240	-.35974	-30745	-.29645	-.29440	-.25240	47401	-.58705
1.550	-6.320	-.26063	-.26972	-25695	-.35868	-.30581	-.28925	-.28722	-.25570	47000	-.42791
1.550	-4.200	-.26515	-.26934	-.25870	-.35247	-.29869	-.27557	-.27419	-.25776	46547	-27984
1.550	-2.090	-.26750	-.26860	-25981	-.35054	-.29705	-.26495	-.26236	-.25917	46403	-.13903
1.550	0.42	-.26314	-.26149	-25761	-.34720	-.29305	-.25656	-.25336	-.25728	46151	-.00127
1.550	2.126	-.25890	-.25848	-.25521	-.34949	-.29253	-.24981	-.24416	-.25458	45816	.11648
1.550	4.219	-.24981	-.24848	-.24890	-.35585	-.29332	-.24873	-.23566	-.24584	45242	23793
	GRADIENT	.00186	.00252	.00115	-.00027	.00073	.00327	.00453	.00135	-.00152	.06133

LARC UPWT 1152(1A94A) OTSAT130

(RJK035) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 451	-.26419	-.27144	-.25958	-.32605	-.28518	-.29224	-.29390	-.25862	.47615	-.59184
1.550	-6.326	-.26696	-.27298	-.26358	-.33467	-.29561	-.28822	-.28773	-.26322	.47488	-.43761
1.550	-4 166	-.26693	-.26957	-.26509	-.33403	-.29374	-.27768	-.27505	-.26411	.47010	-.28442
1.550	-2 077	-.26824	-.26843	-.26702	-.32579	-.28279	-.26601	-.26249	-.26542	.46551	-.14166
1.550	019	-.27093	-.26711	-.26970	-.31802	-.27135	-.25479	-.25191	-.26809	.46263	-.00554
1.550	2 122	-.26779	-.26275	-.26780	-.32136	-.26884	-.24854	-.24444	-.26558	.45874	11715
1.550	4 228	-.26329	-.25703	-.26268	-.32669	-.26712	-.24186	-.23623	-.25926	.45444	23707
	GRADIENT	.00037	.00147	.00019	.00091	.00320	.00424	.00456	.00046	-.00181	.06202

LARC UPWT 1152(1A94A) OTSAT130

(RJK036) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6 000 ELV-L1 = 12.000
 ELV-LO = -10 000 ELV-RI = 12 000
 ELV-RO = -10.000

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 440	-.27639	-.28086	-.27085	-.30653	-.26484	-.29521	-.29687	-.26924	.47179	-.59644
1.550	-6.340	-.27820	-.28144	-.27267	-.31604	-.27186	-.28869	-.28975	-.27228	.47286	-.43941
1.550	-4 174	-.27857	-.28038	-.27427	-.31670	-.27008	-.27917	-.27932	-.27387	.46914	-.28824
1.550	-2 095	-.27918	-.27935	-.27642	-.30994	-.26150	-.26742	-.26914	-.27570	.46538	-.14790
1.550	013	-.27823	-.27625	-.27639	-.30407	-.24767	-.25905	-.26079	-.27537	.46245	-.01219
1.550	2.119	-.27457	-.27106	-.27334	-.30717	-.25659	-.25506	-.25465	-.27050	.45939	11692
1.550	4.221	-.27261	-.26541	-.27046	-.31353	-.25463	-.24814	-.24497	-.26885	.45454	23937
	GRADIENT	.00079	.00187	.00051	.00043	.00170	.00354	.00396	.00073	-.00168	.06284

LARC UPWT 1152(1A94A) OTSAT130

(RJK037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0.100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	- 27346	-.29303	- 27007	- 38106	-.31813	-.30531	-.31344	-.26909	.47197	-.59645
1.550	-6.341	-.27158	- 28839	- 26789	-.40108	-.33285	-.29289	-.28961	- 26691	.47301	-.43443
1.550	-4.221	-.27032	-.28590	-.26786	- 39489	-.33129	-.28573	- 28093	- 26627	.46967	-.28159
1.550	-2.091	- 27281	-.28777	-.27251	-.39645	-.32517	-.27492	-.27880	-.26875	.46706	-.13858
1.550	0.17	- 27494	-.28774	- 27649	-.40445	-.32392	-.26560	-.27351	-.27149	.46546	-.00310
1.550	2.109	- 26600	-.28774	-.26816	- 40445	-.32515	- 26033	-.26393	-.26442	.46411	.11933
1.550	4.228	- 26113	- 26933	- 26298	-.40079	-.32120	-.25760	-.25471	- 25681	.45856	.24666
	GRADIENT	.00119	.00157	.00067	- 00094	.00096	00336	00319	.00110	-.00119	06230

PUN NO 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.762	- 21034	- 22174	- 20349	- 28799	- 25164	- 21644	- 22461	- 20333	.42408	-.54270
2.000	-5.646	-.21061	-.22046	- 20344	- 29045	- 25656	-.21546	- 22457	-.19988	.41943	-.40064
2.000	-3.536	- 21427	- 22598	-.20741	- 29198	- 25280	- 20728	- 21423	-.20414	.41385	-.26434
2.000	-1.413	- 21892	- 23187	- 21237	-.29042	- 24783	- 19634	- 20331	-.21032	.41007	-.13286
2.000	0.679	- 22450	- 23774	- 21950	-.29010	-.24751	-.18601	- 19519	- 21865	.40704	-.01320
2.000	2.588	- 22232	- 23899	-.21857	- 28854	- 24999	-.17539	- 18397	- 21741	.40425	.09155
2.000	4.860	- 22040	- 24049	- 21758	-.28292	- 25180	-.17251	- 16956	- 21736	.39716	.21314
	GRADIENT	- 00075	- 00174	- 00127	.00097	- 00001	.00434	00523	- 00161	-.00189	.05672

LARC UPWT 1152(1A94A) OTSAT130

(RJK038) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO 65/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.449	-.26687	-.28646	-.26256	-.39332	-.33463	-.29281	-.29819	-.26191	.47325	-.59134
1.550	-6.355	-.26878	-.28559	-.26662	-.38719	-.32515	-.28976	-.29268	-.26412	.47206	-.43574
1.550	-4.210	-.26914	-.28564	-.26791	-.37890	-.31844	-.28145	-.28130	-.26479	.46826	-.28147
1.550	-2.087	-.26723	-.28682	-.26570	-.37978	-.31746	-.27117	-.27073	-.26320	.46487	-.13977
1.550	.026	-.26452	-.28287	-.26452	-.38969	-.31721	-.25977	-.26244	-.26172	.46225	.00095
1.550	2.111	-.25928	-.27487	-.26083	-.39308	-.31567	-.25667	-.25471	-.25650	.46073	.12121
1.550	4.219	-.25681	-.26317	-.25898	-.38907	-.31291	-.25357	-.24637	-.25374	.45690	.24261
	GRADIENT	.00155	.00270	.00108	-.00160	.00061	.00334	.00408	.00137	-.00128	.06218

RUN NO 70/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.733	-.20390	-.21843	-.19735	-.29099	-.25396	-.21591	-.22036	-.19814	.42396	-.52886
2.000	-5.631	-.20357	-.22272	-.19734	-.29329	-.25013	-.21400	-.21875	-.19751	.41816	-.38991
2.000	-3.517	-.20391	-.22802	-.19955	-.29144	-.24582	-.20717	-.21100	-.19940	.41250	-.25201
2.000	-1.405	-.20983	-.23052	-.20516	-.29052	-.24306	-.19472	-.19951	-.20468	.40757	-.12833
2.000	.674	-.21664	-.23483	-.21196	-.28927	-.24304	-.18253	-.18735	-.21145	.40412	-.01208
2.000	2.783	-.21824	-.23829	-.21450	-.28651	-.24618	-.17418	-.17933	-.21367	.40065	.10560
2.000	4.891	-.21852	-.23330	-.21415	-.28152	-.24801	-.17227	-.17338	-.21333	.39638	.21820
	GRADIENT	-.00179	-.00087	-.00183	.00114	-.00036	.00430	.00454	-.00175	-.00186	.05591

LARC UPWT 1152(1A94A) OTSAT130

(RJK039) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = 12.000
 ELV-L0 = -5.000 ELV-R1 = 12.000
 ELV-R0 = -5.000

RUN NO. 63/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-3.430	-.25862	- 27205	-.25462	-.36151	- 30822	-.29749	-.29575	-.25401	.47510	- 57723
1.550	-6.290	-.26214	- 27183	-.25908	-.36154	- 30725	-.29007	-.28836	- 25723	.47182	-.42121
1.550	-4.183	-.26718	- 27198	-.26104	-.35422	-.29982	- 27512	- 27344	-.25918	.46653	-.27572
1.550	-2.078	-.26877	- 27019	-.26170	-.35341	- 29835	-.26559	- 26362	- 26044	.46483	-.13447
1.550	.024	-.26403	-.26300	-.25912	-.34994	-.29272	-.25650	-.25362	-.25818	.46234	.00096
1.550	2.121	-.25966	- 25956	-.25598	- 35236	-.29175	-.24964	-.24492	-.25475	.45900	.12201
1.550	4.230	-.24975	- 24904	- 24914	-.35970	-.29292	-.24772	-.23467	- 24579	.45350	.24112
	GRADIENT	00209	00269	00140	-.00047	.00097	00336	.00458	.00154	-.00152	.06136

RUN NO 68/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.742	-.19044	- 20528	-.18266	- 27369	- 23862	-.21142	- 21058	- 18259	.42463	- 53256
2.000	-5.646	- 19334	- 20012	-.18835	- 27296	- 22948	- 20843	-.20665	-.18701	.41783	-.39426
2.000	-3.494	-.19632	- 20185	- 19225	- 27071	- 22131	-.20080	-.19748	- 19058	.41177	- 26070
2.000	-1.421	-.19951	- 20381	-.19513	- 27277	-.22112	-.18898	-.18412	- 19283	.40844	- 14164
2.000	.679	-.20434	- 20801	- 19870	-.27736	- 22346	- 17971	-.17424	-.19762	.40579	- 01967
2.000	2.758	-.21035	- 21588	-.20223	-.27928	- 22914	- 17230	- 16872	-.20207	.40042	.09435
2.000	4.876	- 20627	- 20898	- 20036	- 27695	- 22990	-.17153	-.16705	-.19898	.39416	21218
	GRADIENT	- 00147	- 00126	- 00111	- 00091	- 00120	.00359	.00364	- 00124	-.00207	05649

LARC UPWT 1152(1A94A) OTSAT130

(RJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN XT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN XT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.430	-.26552	-.27309	-.26121	-.32741	-.28745	-.29326	-.29555	-.25965	.47326	-.58821
1.550	-5.319	-.26808	-.27442	-.26532	-.33988	-.30016	-.28812	-.28702	-.26435	.47190	-.43144
1.550	-4.190	-.26803	-.27098	-.26680	-.33552	-.29458	-.27692	-.27368	-.26521	.46694	-.28269
1.550	-2.076	-.26929	-.26917	-.26806	-.32445	-.28017	-.26363	-.25950	-.26586	.46227	-.13755
1.550	.024	-.27114	-.26793	-.27052	-.31859	-.27034	-.25434	-.25147	-.26801	.45927	.00113
1.550	2.122	-.26830	-.26357	-.26852	-.32378	-.26875	-.24716	-.24306	-.26549	.45594	.12082
1.550	4.216	-.26337	-.25834	-.26338	-.32964	-.26752	-.24035	-.23503	-.25905	.45126	.23968
	GRADIENT	00049	00147	00030	00059	00312	.00427	.00446	.00060	-.00179	06203

RUN NO 71/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.748	-.20579	-.21966	-.19770	-.25949	-.21738	-.21186	-.21630	-.19849	.42333	-.52493
2.000	-5.611	-.20545	-.21685	-.19768	-.25171	-.21118	-.20934	-.21472	-.19877	.41777	-.37942
2.000	-3.496	-.20604	-.21279	-.19981	-.24672	-.20434	-.20400	-.20753	-.20121	.41213	-.24709
2.000	-1.401	-.20950	-.21407	-.20513	-.24955	-.19882	-.19407	-.19669	-.20620	.40782	-.12552
2.000	.683	-.21349	-.21713	-.21005	-.25696	-.20248	-.18217	-.18201	-.21110	.40375	-.00501
2.000	2.786	-.21633	-.21934	-.21413	-.26134	-.20376	-.17131	-.17024	-.21485	.39874	.11120
2.000	4.863	-.21539	-.21654	-.21381	-.26009	-.20097	-.17129	-.16898	-.21453	.39302	.22118
	GRADIENT	-.00122	-.00061	-.00177	-.00184	00009	00422	00495	-.00169	-.00226	05612

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LARC UPWT 1152(1A94A) OTSAT130

(RJK041) (18 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.432	-27842	-.28352	-27318	-30709	-26501	-.29635	-.29832	-27127	.46777	-.58823
1.550	-6.323	-27968	-.28324	-.27475	-31883	-27364	-.28801	-28846	-.27375	.46933	-.43248
1.550	-4.181	-28066	-28298	-27635	-.31703	-26970	-.27909	-.27894	-.27565	.46544	-.28283
1.550	-2.092	-27999	-28047	-.27753	-31050	-26196	-.26757	-.26961	-.27620	.46175	-.13823
1.550	.026	-.27822	-27624	-.27700	-30472	-.24731	-.25899	-26104	-.27506	.45853	-.00063
1.550	2.121	-27458	-27076	-.27366	-30847	-.25597	-.25471	-.25400	-.27021	.45585	.12254
1.550	4.211	-.27273	-.26584	-.27151	-.31494	-25566	-24821	-24473	-26929	.45077	24016
	GRADIENT	00101	00209	.00065	00030	.00163	.00355	.00400	.00089	-.00168	.06224

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.737	-.21168	-23020	-20515	-24459	-20316	-.21685	-22470	-20003	42072	-.51936
2.000	-5.628	-.21322	-22864	-.20513	-23589	-19882	-20842	-.21411	-.19909	41449	-.38197
2.000	-3.511	-.21418	-22835	-20702	-.23591	-19451	-.20189	-.20698	-20313	.40904	-.24807
2.000	-1.410	-.21418	-.21905	-20981	-.23653	-18338	-19316	-19827	-.20993	40392	-.12219
2.000	.690	-21896	-21935	-21383	-23993	-18646	-18535	-19141	-.21456	.40004	-.00307
2.000	2.773	-.22099	-22431	-21849	-.24645	-19264	-17413	-17648	-22012	.39583	10845
2.000	4.881	-.21788	-21903	-21630	-24830	-.19016	-.17505	-.16464	-.21763	.39140	.22797
	GRADIENT	-.00068	00064	-00130	-00165	-00003	.00347	.00508	-.00187	-.00207	05641

LARC UPWT 1152(IA94A) OTSAT130

(RJK042) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RUN NO. 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB5	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 441	-.27612	-.29570	-.27180	-.38223	-.31989	-.30581	-.31303	- 27021	.47114	-.58053
1.550	-6 353	-.27349	-.29028	- 26918	-.39824	-.33256	-.29539	- 29336	- 26730	.47332	- 42162
1.550	-4 226	-.27258	-.28781	- 26951	- 39955	-.33491	-.28702	- 28223	-.26671	.47073	- 27049
1.550	-2.083	-.27465	- 28864	-.27374	- 40153	-.32958	-.27396	-.27722	-.26909	.46855	- 12226
1.550	-.032	-.27655	- 28869	-.27779	- 40648	- 32718	-.26630	-.27327	-.27190	.46667	00728
1.550	2.119	-.26636	- 28649	-.26790	- 40706	-.32683	-.25976	- 26336	- 26358	.46601	.13757
1.550	4 219	-.26172	-.27113	-.26357	-.40459	-.32527	-.25572	-.25224	-.25682	.46117	.25916
	GRADIENT	.00143	00168	.00084	- 00074	.00104	.00364	.00350	.00120	-.00103	.06254

LARC UPWT 1152(IA94A) OTSAT130

(RJK043) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 12 000
 ELV-LO = 2.000 ELV-R1 = 12 000
 ELV-RO = 2 000

RUN NO 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	- 26911	- 28834	-.26451	- 39273	- 33515	-.29311	-.29726	- 26295	.47436	-.58043
1.550	-6 394	- 27093	- 28801	- 26817	-.38964	- 32869	-.29092	- 29353	- 26507	.47310	-.42514
1.550	-4 203	- 27121	- 28738	-.26937	-.38162	-.32131	-.28193	- 28086	- 26565	.47033	-.27139
1.550	-2.053	-.26906	- 28859	- 26691	- 38378	- 32100	-.27205	-.27099	-.26351	.46721	- 12157
1.550	042	- 26598	- 28337	- 26506	- 39577	- 32008	- 25938	- 26113	- 26167	.46488	01328
1.550	2.124	-.25952	-.27477	-.26076	- 39823	-.31732	- 25536	-.25342	- 25616	.46309	.13718
1.550	4 244	- 25759	- 26394	- 25913	-.39603	- 31633	-.25218	-.24531	-.25362	.45952	.25751
	GRADIENT	.00174	00293	00126	-.00205	00065	00362	00421	00149	-.00122	.06249

LARC UPWT 1152(1A94A) OTSAT130

(RJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.437	-26095	-.27468	-.25634	-.36196	-.30869	-.29763	-.29560	-.25512	.47419	-.56466
1.550	-6.289	-26419	-.27423	-26050	-.36247	-.30857	-.29038	-28805	-.25804	.47077	-.40859
1.550	-4.178	-26877	-.27420	-26169	-35729	-30273	-.27704	-.27536	-.25983	.46691	-.26314
1.550	-2.078	-.27008	-.27150	-.26237	-35557	-.29914	-26534	-.26275	-.26051	.46453	-.11859
1.550	.036	-.26510	-.26345	-26955	-.35532	-.29451	-25630	-.25341	-.25800	.46349	.01155
1.550	2.140	-.26020	-.26009	-.25589	-35733	-.29233	-.24859	-.24264	-25436	.45989	.13370
1.550	4.235	-.25005	-24904	-.24883	-36249	-.29416	-.24677	-.23403	-.24488	.45479	.25456
	GRADIENT	00225	00293	00153	-.00058	00114	00367	.00488	.00171	-.00137	.06119

LARC UPWT 1152(1A94A) OTSAT130

(RJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.414	-26771	-.27528	-26310	-.32924	-.29055	-.29419	-.29586	-.26094	.47603	-.57455
1.550	-6.333	-.27076	-.27678	-26738	-.33845	-.29972	-.28983	-28905	-.26581	.47534	-.42033
1.550	-4.152	-.27051	-.27315	-.26836	-.33665	-.29732	-.27814	-27492	-.26648	.47072	-.26515
1.550	-2.076	-.27045	-.27033	-26892	-.32522	-.28286	-.26417	-.26005	-.26642	.46628	-.12592
1.550	.035	-.27229	-.26879	-27107	-.31876	-.27059	-25490	-.25142	-.26826	.46369	.01081
1.550	2.127	-.26891	-.26419	-.26861	-.32368	-.26783	-.24748	-.24340	-.26520	.46007	.13598
1.550	4.236	-.26374	-.25810	-26344	-.33050	-.27004	-.23950	-.23359	-.25821	.45580	.25455
	GRADIENT	.00072	00173	00048	.00066	00331	.00448	.00473	.00085	-.00172	.06202

LARC UPWT 1152(1A94A) OTSAT130

(RJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6 000 ELV-L1 = 12.000
 ELV-LO = 2 000 ELV-R1 = 12 000
 ELV-RO = 2 000

RUN NO. 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.422	-.28027	-.28505	-.27443	-.30673	-.26596	-.29630	-.29766	-.27160	.47123	-.57764
1.550	-6.332	-.28158	-.28513	-.27636	-.31696	-.27310	-.28958	-.29003	-.27445	.47264	-.41552
1.550	-4.160	-.28189	-.28483	-.27759	-.31727	-.27188	-.28092	-.28109	-.27567	.46943	-.26638
1.550	-2.072	-.28150	-.28198	-.27873	-.31135	-.26412	-.26909	-.27020	-.27681	.46611	-.12471
1.550	.004	-.27974	-.27776	-.27789	-.30588	-.24796	-.25836	-.25980	-.27567	.46297	.00599
1.550	2.127	-.27571	-.27220	-.27448	-.30924	-.25591	-.25431	-.25391	-.27043	.46055	.13485
1.550	4.243	-.27302	-.26615	-.27119	-.31455	-.25783	-.24760	-.24445	-.26807	.45555	.25805
	GRADIENT	.00112	.00225	.00081	.00035	.00172	.00387	.00426	.00103	-.00159	.06228

LARC UPWT 1152(1A94A) OTSAT130

(RJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8 000
 ELV-LO = 2 000 ELV-R1 = 8.000
 ELV-RO = 2 000

RUN NO. 79/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	-.27176	-.28854	-.26653	-.37985	-.31731	-.30696	-.31447	-.26617	.46944	-.58887
1.550	-6.344	-.26665	-.28390	-.26373	-.39678	-.33079	-.29548	-.29252	-.26338	.47119	-.42692
1.550	-4.207	-.26739	-.28230	-.26370	-.39460	-.33107	-.28865	-.28292	-.26244	.46856	-.27237
1.550	-2.049	-.26828	-.28046	-.26736	-.39674	-.32706	-.27841	-.28042	-.26425	.46649	-.12676
1.550	.019	-.26979	-.27982	-.27134	-.40442	-.32580	-.26878	-.27576	-.26667	.46482	.00219
1.550	2.122	-.26175	-.27918	-.26299	-.40472	-.32639	-.26287	-.26585	-.25928	.46428	.13203
1.550	4.229	-.25713	-.26472	-.25868	-.40318	-.32609	-.25916	-.25565	-.25253	.45952	.25200
	GRADIENT	.00128	.00159	.00068	-.00119	.00051	.00354	.00328	.00118	-.00096	.06214

LARC UPWT 1152(IA94A) OTSAT130

(RJK048) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.445	-.26404	-.28055	-.25819	-.39321	-.33240	-.29305	-.29689	-.25849	.47194	-.58482
1.550	-6.289	-.26502	-.27999	-.26164	-.38893	-.32661	-.29155	-.29478	-.26039	.47078	-.42167
1.550	-4.202	-.26502	-.27783	-.26318	-.37876	-.31739	-.28536	-.28520	-.26069	.46788	-.27513
1.550	-2.088	-.26401	-.27867	-.26217	-.38086	-.31640	-.27568	-.27399	-.25907	.46460	-.13248
1.550	.016	-.26043	-.27509	-.25951	-.39265	-.31772	-.26309	-.26545	-.25673	.46293	.00350
1.550	2.164	-.25398	-.26465	-.25553	-.39469	-.31615	-.26032	-.25806	-.25032	.46193	.13210
1.550	4.225	-.25278	-.25668	-.25433	-.39396	-.31673	-.25632	-.24913	-.24882	.45831	.24945
	GRADIENT	.00164	.00267	.00115	-.00210	.00007	.00348	.00417	.00154	-.00103	.06225

LARC UPWT 1152(IA94A) OTSAT130

(RJK049) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.437	-.25449	-.26757	-.24959	-.36036	-.30545	-.29842	-.29393	-.24870	.47167	-.57349
1.550	-6.318	-.25731	-.26579	-.25394	-.36224	-.30733	-.29416	-.29121	-.25243	.46827	-.41504
1.550	-4.163	-.26115	-.26411	-.25625	-.35508	-.29895	-.28138	-.27907	-.25411	.46357	-.26519
1.550	-2.064	-.26343	-.26363	-.25607	-.35219	-.29481	-.27010	-.26659	-.25454	.46266	-.12326
1.550	.026	-.25969	-.25805	-.25416	-.35368	-.29200	-.26140	-.25760	-.25295	.46131	.00528
1.550	2.142	-.25456	-.25385	-.25088	-.35507	-.29059	-.25224	-.24630	-.24907	.45782	.12990
1.550	4.241	-.24512	-.24350	-.24482	-.36230	-.29285	-.24986	-.23683	-.24028	.45275	.24985
	GRADIENT	.00195	.00243	.00134	-.00082	.00078	.00385	.00499	.00158	-.00126	.06106

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(RJK050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.26261	-.27079	-.25586	-.32653	-.28390	-.29430	-.29535	-.25372	.47276	-.58350
1.550	-6.335	-.26423	-.27087	-.26025	-.33766	-.29562	-.29129	-.29050	-.25778	.47251	-.42281
1.550	-4.166	-.26418	-.26744	-.26234	-.33577	-.29342	-.28259	-.27905	-.25987	.46816	-.27449
1.550	-2.071	-.26418	-.26437	-.26326	-.32502	-.27934	-.26746	-.26333	-.26017	.46418	-.12711
1.550	.031	-.26636	-.26317	-.26544	-.31797	-.26896	-.25854	-.25505	-.26234	.46119	.00558
1.550	2.142	-.26295	-.25854	-.26326	-.32256	-.26556	-.25079	-.24670	-.25925	.45792	.13259
1.550	4.237	-.25867	-.25336	-.25868	-.32996	-.26834	-.24310	-.23810	-.25378	.45349	.24717
	GRADIENT	.00058	.00162	.00035	.00067	.00304	.00455	.00469	.00062	-.00169	.06199

LARC UPWT 1152(1A94A) OTSAT130

(RJK051) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.431	-.27711	-.28127	-.26913	-.30538	-.26314	-.29682	-.29817	-.26846	.46883	-.58464
1.550	-6.312	-.27733	-.27996	-.26935	-.31544	-.27101	-.29180	-.29224	-.26929	.47104	-.42757
1.550	-4.184	-.27702	-.27934	-.27119	-.31729	-.27132	-.28315	-.28330	-.27052	.46789	-.27484
1.550	-2.080	-.27496	-.27606	-.27220	-.31060	-.26314	-.27212	-.27384	-.27030	.46440	-.13340
1.550	.024	-.27337	-.27171	-.27153	-.30287	-.24379	-.26249	-.26392	-.26963	.46081	.00565
1.550	2.125	-.26971	-.26652	-.26818	-.30873	-.25453	-.25820	-.25779	-.26507	.45848	.12858
1.550	4.221	-.26753	-.26127	-.26569	-.31577	-.25695	-.25045	-.24698	-.26290	.45369	.25060
	GRADIENT	.00115	.00214	.00071	.00023	.00178	.00377	.00422	.00097	-.00163	.06247

LARC UPWT 1152(1A94A) OTSAT130

(RJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5 000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 453	-.27098	-.28835	- 26607	-.37856	-.31674	- 30768	- 31454	-.26632	.46861	-.60482
1.550	-6.341	- 26794	-.28377	-.26333	-.39487	-.32902	-.29535	-.29238	-.26298	.46952	-.43554
1.550	-4.222	-.26646	-.28045	- 26308	- 38937	-.32815	-.28861	-.28289	-.26182	.46708	-.28685
1.550	-2 079	- 26794	- 28040	-.26702	-.39272	- 32259	-.27867	-.28160	-.26359	.46464	-.13951
1.550	.034	-.26972	-.28065	- 27126	-.40068	-.32376	- 27120	-.27846	-.26690	.46305	-.00561
1.550	2 107	-.26235	- 27973	-.26389	-.40221	-.32591	-.26503	-.26829	-.26017	.46251	.12114
1.550	4.226	- 25740	- 26527	-.25894	-.40066	-.32435	-.26222	-.25871	-.25340	.45718	.24061
	GRADIENT	00112	.00147	00054	-.00152	.00021	.00315	.00292	.00096	-.00104	.06241

LARC UPWT 1152(1A94A) OTSAT130

(RJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 454	-.26220	-.27836	-.25698	-.39198	-.33192	-.29424	-.29836	- 25757	.47095	-.60063
1.550	-6.323	- 26413	-.27906	- 26076	-.38681	-.32525	-.29215	-.29536	-.25980	.46913	-.43601
1.550	-4.216	- 26438	-.27716	-.26254	-.37570	-.31539	-.28530	- 28513	- 26035	.46597	-.28510
1.550	-2 057	- 26419	-.27727	-.26297	-.37608	-.31427	- 27707	- 27569	- 25955	.46278	-.13991
1.550	.021	- 26081	- 27512	-.26082	-.38746	-.31641	-.26503	-.26757	-.25711	.46096	-.00723
1.550	2 140	-.25435	-.26469	-.25621	-.39022	-.31702	-.26256	-.26028	-.25129	.45942	.11845
1.550	4 220	- 25288	-.25769	- 25442	- 38903	- 31585	-.25891	-.25140	-.24952	.45561	.23962
	GRADIENT	.00156	.00247	00109	- 00184	-.00017	.00320	.00393	.00142	-.00114	.06208

LARC UPWT 1152(1A94A) OTSAT130

(RJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 83/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.460	- 25341	- .26682	- 24849	- .35895	- 30571	- .29871	- .29512	- .24850	.47081	-.59278
1.550	-6.346	- 25639	- .26489	- 25301	- .35919	- .30594	- .29430	- .29133	- .25178	.46679	-.43131
1.550	-4.203	- .26021	- .26379	- 25560	- .35044	- .29627	- .28053	- .27728	- .25375	.46209	-.28211
1.550	-2.064	- 26315	- .26364	- 25607	- .34818	- .29461	- .27079	- .26756	- .25451	.46088	-.13786
1.550	.023	- .25893	- .25790	- .25462	- .34771	- .29227	- .26285	- .25871	- .25307	.45941	-.00509
1.550	2.119	- .25462	- 25451	- .25154	- 35080	- .29288	- .25479	- .24882	- .25001	.45567	.11789
1.550	4.244	- .24558	- .24426	- .24559	- 35906	- .29311	- .25253	- .23945	- .24132	.45013	.23993
	GRADIENT	.00179	00229	00116	- 00094	00038	.00342	.00448	.00139	-.00138	.06167

LARC UPWT 1152(1A94A) OTSAT130

(RJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.439	- .26115	- .26993	- 25470	- .32446	- 28182	- .29563	- .29759	- 25285	47181	-.59411
1.550	-6.325	- 26330	- .27024	- .25931	- .33491	- .29346	- .29254	- .29205	- .25714	47041	- 43081
1.550	-4.199	- 26308	- .26554	- 26124	- .33314	- .29109	- .28151	- .27703	- 25906	46629	- 28695
1.550	-2.076	- 26406	- .26455	- .26314	- .32458	- .28012	- .26891	- .26446	- 26034	46192	- 13953
1.550	.016	- .26679	- 26361	- 26588	- 31596	- 26938	- .25900	- .25550	- 26307	45909	-.00674
1.550	2.125	- 26384	- .25943	- 26415	- .32097	- 26796	- .25325	- .24884	- .26043	.45561	.12088
1.550	4.227	- .25957	- .25486	- 25958	- .32683	- 26616	- .24588	- .24118	- .25496	45115	.23647
	GRADIENT	00034	.00136	00011	00077	.00295	.00413	.00415	.00038	-.00174	06210

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(RJK056) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 87/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.450	-.27576	-.27961	-.26778	-.30648	-.26240	-.29209	-.29190	-.26772	.46727	-.59588
1.550	-6.343	-.27649	-.27911	-.26851	-.31733	-.27231	-.29188	-.29170	-.26844	.46867	-.43860
1.550	-4.180	-.27621	-.27853	-.27069	-.31736	-.27142	-.28389	-.28372	-.27000	.46602	-.28705
1.550	-2.069	-.27470	-.27610	-.27164	-.31032	-.26349	-.27312	-.27513	-.27034	.46202	-.13829
1.550	.023	-.27348	-.27242	-.27164	-.30234	-.24452	-.26473	-.26682	-.27034	.45906	-.00967
1.550	2.132	-.26982	-.26663	-.26890	-.30635	-.25373	-.26019	-.26008	-.26547	.45641	.11793
1.550	4.226	-.26859	-.26234	-.26676	-.31372	-.25495	-.25340	-.25054	-.26425	.45119	.23893
	GRADIENT	.00096	.00199	.00050	.00054	.00203	.00352	.00387	.00078	-.00168	.06226

LARC UPWT 1152(1A94A) OTSAT130

(RJK057) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.457	-.26984	-.28752	-.26554	-.37902	-.31715	-.30687	-.31466	-.26578	.46781	-.50710
1.550	-6.336	-.26735	-.28289	-.26305	-.39499	-.32939	-.29479	-.29275	-.26330	.46867	-.44170
1.550	-4.185	-.26609	-.28010	-.26333	-.39221	-.32967	-.28992	-.28532	-.26235	.46576	-.28864
1.550	-2.086	-.26668	-.27915	-.26638	-.39034	-.32352	-.28052	-.28282	-.26355	.46367	-.14489
1.550	.003	-.26920	-.28043	-.27105	-.39961	-.32510	-.27162	-.27918	-.26728	.46243	-.01161
1.550	2.125	-.26240	-.27979	-.26456	-.40236	-.32783	-.26633	-.27021	-.26113	.46142	.11636
1.550	4.237	-.25813	-.26569	-.25998	-.40022	-.32632	-.26327	-.26006	-.25473	.45559	.24180
	GRADIENT	.00096	.00134	.00041	-.00133	.00011	.00319	.00300	.00084	-.00107	.06279

LARC UPWT 1152(IA94A) OTSAT130

(RJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.460	-.26154	-.27770	-.25693	-.39163	- 33248	-.29451	- 29956	- 25721	.47033	-.60655
1.550	-6.323	- 26283	-.27745	- 25976	-.38644	-.32548	- 29178	-.29591	-.25910	.46843	- 44093
1.550	-4.190	-.26322	-.27600	- 26200	-.37512	-.31544	- 28569	-.28582	-.26011	.46544	-.29365
1.550	-2.078	-.26334	-.27672	-.26243	-.37550	- 31431	-.27530	-.27422	-.25962	.46197	-.14797
1.550	.019	-.26064	-.27463	-.26095	- 38630	-.31834	-.26548	-.26873	-.25784	.46053	-.01130
1.550	2.129	-.25480	- 26512	-.25726	- 39029	- 32018	-.26363	-.26196	-.25234	.45832	.11461
1.550	4.232	-.25332	- 25751	-.25548	- 38787	-.31778	- 25998	- 25309	-.25056	.45447	.23790
	GRADIENT	.00135	00231	.00086	-.00191	- 00050	.00300	00369	.00125	-.00122	.06298

LARC UPWT 1152(IA94A) OTSAT130

(RJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.462	- 25187	-.26463	- 24759	-.35886	- 30582	-.29917	-.29589	- 24760	.46930	-.59666
1.550	-6.302	- 25516	-.26333	-.25210	-.35797	-.30487	-.29358	-.29093	- 25117	.46512	- 42868
1.550	-4.182	- 25940	-.26236	-.25541	- 35333	-.29870	-.28304	-.28133	-.25356	.46047	-.28281
1.550	-2.073	- 26210	- 26260	-.25627	-.34837	-.29590	-.27126	- 26866	- 25472	.45921	- 13708
1.550	.028	- 25894	- 25760	- 25465	-.34739	- 29368	-.26346	- 25964	-.25341	.45782	-.00204
1.550	2.114	- 25467	- 25426	- 25192	-.35048	-.29493	- 25578	- 24982	- 25068	.45459	.11724
1.550	4.254	-.24635	-.24503	- 24697	-.35691	- 29521	- 25359	- 24179	-.24240	.44847	.24094
	GRADIENT	.00159	.00210	00101	-.00044	.00038	.00353	00465	.00125	-.00136	.06182

LARC UPWT 1152(1A94A) OTSAT130

(RJK060) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.445	-.25959	-.26806	-.25345	-.32468	-.28116	-.29527	-.29723	-.25191	.47167	-.60120
1.550	-6.337	-.26149	-.26842	-.25812	-.33640	-.29467	-.29162	-.29082	-.25625	.47013	-.44193
1.550	-4.174	-.26216	-.26603	-.26094	-.33399	-.29167	-.28212	-.27887	-.25906	.46574	-.28892
1.550	-2.099	-.26345	-.26394	-.26315	-.32513	-.28132	-.26891	-.26539	-.26004	.46184	-.15107
1.550	.011	-.26624	-.26336	-.26594	.31687	-.27095	-.26000	-.25680	-.26312	.45921	-.01298
1.550	2.126	-.26443	-.25971	-.26504	-.32058	-.26945	-.25479	-.25099	-.26162	.45512	.11512
1.550	4.217	-.26028	-.25496	-.26090	-.32745	-.26715	-.24662	-.24192	-.25597	.45060	.23177
	GRADIENT	.00013	.00126	-.00009	.00084	.00290	.00405	.00420	.00022	-.00176	.06224

LARC UPWT 1152(1A94A) OTSAT130

(RJK061) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.27441	-.27857	-.26737	-.30631	-.26382	-.29595	-.29637	-.26730	.46761	-.60441
1.550	-6.324	-.27503	-.27795	-.26859	-.31858	-.27421	-.29195	-.29237	-.26821	.46866	-.44585
1.550	-4.193	-.27536	-.27738	-.27046	-.31891	-.27332	-.28489	-.28533	-.27038	.46542	-.29535
1.550	-2.069	-.27503	-.27581	-.27227	-.31214	-.26535	-.27438	-.27669	-.27096	.46185	-.14952
1.550	.008	-.27453	-.27317	-.27300	-.30335	-.24561	-.26556	-.26789	-.27138	.45876	-.01656
1.550	2.111	-.27124	-.26805	-.27063	-.30802	-.25700	-.26165	-.26183	-.26750	.45601	.10922
1.550	4.227	-.26965	-.26340	-.26843	-.31410	-.25663	-.25573	-.25317	-.26591	.45057	.23692
	GRADIENT	.00072	.00173	.00027	.00065	.00198	.00338	.00377	.00059	-.00169	.06295

LARC UPWT 1152(1A94A) OTSAT129

(SJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000 -

RUN NO.		3/ 0	RN/L = 2 00		GRADIENT INTERVAL = -5.00/ 5.00			
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.461	-.13602	.03807	.23735	.12439	.01039	479.29215	.32350
1.550	-6.341	-.12681	.04037	.17099	.11160	.00205	479.24956	.30596
1.550	-4.203	-.12508	.04247	.11151	.09675	-.00758	479.37733	.29939
1.550	-2.111	-.12608	.04507	.05611	.08157	-.01555	479.37733	.29900
1.550	.004	-.12819	.04696	.00700	.06769	-.01838	479.46252	.29874
1.550	2.119	-.13119	.04938	-.03945	.05441	-.02137	479.41993	.30239
1.550	4.215	-.13086	.05063	-.08363	.04280	-.02597	479.33474	.30022
	GRADIENT	-.00079	.00098	-.02306	-.00641	-.00202	-.00201	.00024

RUN NO.		8/ 0	RN/L = 2 00		GRADIENT INTERVAL = -5.00/ 5.00			
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.750	-.12443	.03497	.21161	.05339	.00023	474.79892	.30277
2.000	-5.638	-.11919	.03571	.15479	.03844	-.00634	474.58421	.29276
2.000	-3.527	-.12057	.03858	.10460	.02526	-.01122	474.69157	.29172
2.000	-1.423	-.12273	.03957	.05769	.01161	-.01686	474.69157	.29065
2.000	.673	-.12516	.04033	.01452	.00024	-.02429	474.62000	.28706
2.000	2.766	-.12798	.04059	-.02642	-.01213	-.03173	474.47686	.28831
2.000	4.868	-.12609	.04112	-.06947	-.01888	-.03676	474.47686	.28507
	GRADIENT	-.00078	.00029	-.02060	-.00534	-.00314	-.03069	-.00075

LARC UPWT 1152(1A94A) OTSAT129

(SJK002) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 4/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8.459	-.08878	.02457	.23872	.12475	.01327	479.29215	.21461
1.550	-6.338	-.08268	.02652	.17351	.11180	.00470	479.37733	.20205
1.550	-4.208	-.08021	.02752	.11527	.09697	-.00544	479.46252	.19560
1.550	-2.097	-.08246	.02952	.05955	.08156	-.01363	479.41993	.19650
1.550	.014	-.08386	.03087	.00974	.06982	-.01716	479.46252	.19579
1.550	2.120	-.08754	.03257	-.03857	.05712	-.02021	479.59029	.19927
1.550	4.217	-.08774	.03432	-.08157	.04552	-.02451	479.50511	.20121
	GRADIENT	-.00096	.00079	-.02335	-.00604	-.00212	.01214	00066

RUN NO. 9/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2.000	-7.746	-.08570	.02355	.21120	.05343	.00237	474.40529	.20912
2.000	-5.637	-.08040	.02482	.15535	.04133	-.00356	474.44107	.19974
2.000	-3.524	-.08204	.02684	.10416	.02791	-.01021	474.51264	.19815
2.000	-1.400	-.08582	.02776	.05949	.01413	-.01641	474.47686	.19947
2.000	.668	-.08759	.02804	.01812	.00216	-.02306	474.47686	.19987
2.000	2.776	-.08989	.02815	-.02490	-.00784	-.03034	474.47686	.20051
2.000	4.859	-.08701	.02797	-.06856	-.01532	-.03552	474.44107	.19622
	GRADIENT	-.00067	.00013	-.02053	-.00518	-.00308	-.00684	-.00013

LARC UPWT 1152(1A94A) OTSAT129

(SJK003) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 2/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.447	-.00463	.00239	.23595	.12577	.02329	478.99400	.01566
1.550	-6.320	-.00472	.00266	.17437	.11487	.00979	478.95141	.01379
1.550	-4.183	-.00551	.00286	.11579	.10286	.00174	479.07919	.01603
1.550	-2.099	-.00575	.00250	.06020	.09255	-.00644	478.99400	.01430
1.550	.019	-.00667	.00257	.01240	.08020	-.01127	479.03659	.01537
1.550	2.123	-.00770	.00245	-.03235	.06870	-.01541	478.99400	.01723
1.550	4.230	-.00735	.00211	-.07675	.06099	-.01986	478.95141	.01697
	GRADIENT	-.00027	-.00007	-.02269	-.00511	-.00248	-.01213	.00023

RUN NO 7/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	-.00308	.00175	.20668	.05915	.00498	474.69157	.01115
2.000	-5.615	-.00351	.00230	.15088	.04864	-.00116	474.44107	.01317
2.000	-3.515	-.00377	.00260	.10539	.03894	-.00852	474.33372	.01289
2.000	-1.412	-.00349	.00227	.06266	.02804	-.01727	474.22636	.01288
2.000	.683	-.00481	.00273	.02045	.01559	-.02464	473.90429	.01614
2.000	2.778	-.00469	.00218	-.02065	.00624	-.03092	473.83272	.01529
2.000	4.861	-.00452	.00190	-.06621	.00264	-.03483	473.54644	.01468
	GRADIENT	-.00013	-.00007	-.02037	-.00451	-.00317	-.09397	.00029

LARC UPWT 1152(1A94A) OTSAT129

(SJK004) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	.07573	-.01853	.23937	.12540	.03645	479.50511	-.18065
1.550	-6.331	.06957	-.02084	.17356	.11582	.02160	479.41993	-.16963
1.550	-4.222	.06856	-.02182	.11698	.10822	.01258	479.50511	-.16570
1.550	-2.087	.07101	-.02343	.05997	.09827	.00606	479.46252	-.16490
1.550	.024	.07103	-.02461	.00926	.08748	-.00046	479.46252	-.16262
1.550	2.115	.07179	-.02602	-.03814	.07829	-.00736	479.12178	-.16151
1.550	4.215	.07097	-.02740	-.08039	.06989	-.01288	478.95141	-.16196
	GRADIENT	.00027	-.00065	-.02339	-.00459	-.00305	-.06861	.00052

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	.07770	-.01865	.20887	.06924	.00812	474.44107	-.18018
2.000	-5.630	.07154	-.01991	.15320	.05798	.00199	474.47686	-.16935
2.000	-3.516	.07247	-.02154	.10311	.04732	-.00573	474.44107	-.16665
2.000	-1.409	.07480	-.02207	.06014	.03761	-.01277	474.47686	-.16448
2.000	.686	.07531	-.02243	.01797	.02875	-.01834	474.47686	-.16277
2.000	2.761	.07337	-.02197	-.02335	.02012	-.02407	474.47686	-.15794
2.000	4.859	.06977	-.02124	-.06982	.01521	-.02703	474.47686	-.15246
	GRADIENT	-.00033	.00003	-.02052	-.00391	-.00258	.00343	.00167

LARC UPWT 1152(1A94A) OTSAT129

(SJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = 000 ELV-RI = .000
 ELV-RO = 000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.452	.12022	-.03138	.23889	.12461	.04131	479.37733	-.28256
1.550	-6.335	.11142	-.03353	.17386	.11546	.02698	479.46252	-.26755
1.550	-4.197	.10772	-.03516	.11615	.10732	.01825	479.80326	-.25922
1.550	-2.078	.10762	-.03686	.05931	.09973	.01257	479.84585	-.25386
1.550	.023	.11186	-.03960	.00758	.09086	.00666	479.80326	-.25651
1.550	2.114	.11221	-.04135	-.03909	.08207	-.00138	479.88844	-.25558
1.550	4.214	.10978	-.04297	-.08405	.07555	-.00788	479.97363	-.25354
	GRADIENT	00041	-.00096	-.02374	-.00386	-.00315	.01823	.00046

RUN NO 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	.11625	-.03009	.20987	.07463	.01133	474.47686	-.27498
2.000	-5.642	.10979	-.03140	.15498	.06311	.00452	474.58421	-.26256
2.000	-3.507	.10877	-.03327	.10514	.05307	-.00209	474.44107	-.25635
2.000	-1.407	.11234	-.03423	.05665	.04468	-.00867	474.51264	-.25602
2.000	.683	.11295	-.03486	.01398	.03664	-.01586	474.62000	-.25112
2.000	2.766	.11475	-.03545	-.02636	.02899	-.02105	474.47686	-.25110
2.000	4.863	.11145	-.03508	-.07056	.02264	-.02360	474.54843	-.24497
	GRADIENT	00037	-.00023	-.02077	-.00366	-.00265	.00858	.00132

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(SJK006) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-4 423	.00365	.00002	.12394	.10397	.00297	477 75882	-.00159
1.550	-2 286	.00426	-.00053	.06690	.09409	-.00538	477.80141	-.00335
1.550	-.158	.00305	-.00067	.01680	.08275	-.01075	478.01438	-.00215
1.550	1.936	.00134	-.00053	-.02826	.07005	-.01498	477.82660	.00134
1.550	4 038	.00247	-.00165	-.07194	.06290	-.01990	477.97178	-.00165
1.550	6.165	.00151	-.00150	-.11649	.05006	-.02535	478.01438	.00065
1.550	8 230	.00077	-.00124	-.15942	.03792	-.02918	478.14215	.00149
	GRADIENT	-.00025	-.00016	-.02303	-.00502	-.00262	.02424	.00022

RUN NO 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-5 053	.00054	.00018	.13964	.04766	-.00340	474.62000	.00203
2.000	-2.944	-.00033	.00050	.09477	.03748	-.01075	474.62000	.00261
2.000	-.839	-.00031	.00024	.05176	.02754	-.01949	474 69157	.00246
2.000	1 264	-.00144	.00064	.01118	.01676	-.02653	474.69157	.00572
2.000	3 364	-.00135	.00048	-.03047	.00826	-.03264	474 72735	.00511
2.000	5.478	-.00306	.00024	-.08048	.00503	-.03403	474 76314	.00618
2.000	7.560	-.00375	.00018	-.12909	-.00147	-.03435	474.65578	.00735
	GRADIENT	-.00020	.00002	-.01980	-.00468	-.00346	01532	.00051

LARC UPWT 1152(1A94A) OTSAT130

(SJK007) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.13484	.03756	.23709	.12469	.00744	478.61067	.32055
1.550	-6.337	-.12650	.03990	.17106	.11135	-.00046	478.78104	.30679
1.550	-4.221	-.12495	.04197	.11353	.09636	-.00928	478.95141	.29944
1.550	-2.094	-.12534	.04425	.05870	.08104	-.01786	478.99400	.29631
1.550	.016	-.12743	.04627	.00749	.06644	-.02108	479.07919	.29577
1.550	2.110	-.12891	.04780	-.03711	.05397	-.02368	479.16437	.29683
1.550	4.224	-.12992	.04942	-.08304	.04176	-.02782	479.07919	.29503
	GRADIENT	-.00053	.00087	-.02318	-.00646	-.00203	.02019	-.00039

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.725	-.12309	.03476	.20962	.05137	-.00101	474.65578	.30142
2.000	-5.632	-.11714	.03548	.15534	.03772	-.00688	474.69157	.29056
2.000	-3.497	-.11820	.03782	.10442	.02347	-.01223	474.54843	.28700
2.000	-1.394	-.12131	.03900	.05751	.00982	-.01780	474.54843	.28699
2.000	.680	-.12504	.04009	.01666	-.00061	-.02468	474.65578	.28712
2.000	2.776	-.12786	.04104	-.02469	-.01103	-.03211	474.58421	.28786
2.000	4.873	-.12474	.04123	-.06873	-.01728	-.03675	474.58421	.28234
	GRADIENT	-.00094	.00042	-.02049	-.00489	-.00303	.00512	-.00040

LARC UPWT 1152(1A94A) OTSAT130

(SJK008) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	-08705	.02348	.24005	.12343	.01138	478.86622	.20891
1.550	-6.325	-08045	.02550	.17607	.11024	.00243	478.95141	.19790
1.550	-4.207	-07937	.02709	.11724	.09635	-00736	478.99400	.19365
1.550	-2.076	-07973	.02830	.06110	.08163	-01571	479.03659	.19111
1.550	.020	-08138	.02969	.01055	.06895	-01932	478.90882	.19072
1.550	2.122	-08499	.03132	-.03686	.05624	-02231	478.99400	.19466
1.550	4.225	-08537	.03315	-.08146	.04522	-02630	478.86622	.19616
	GRADIENT	-00082	.00072	-.02352	-.00606	-.00211	-01414	00041

RUN NO 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.722	-08292	.02290	.21063	.05317	.00100	474.62000	.20373
2.000	-5.615	-07746	.02392	.15469	.04107	-.00518	474.62000	.19337
2.000	-3.514	-07844	.02588	.10512	.02769	-.01106	474.62000	.19084
2.000	-1.389	-08268	.02686	.05988	.01305	-.01702	474.65578	.19383
2.000	.700	-08448	.02725	.01861	.00108	-.02298	474.58421	.19340
2.000	2.772	-08550	.02719	-02234	-.00833	-.03048	474.62000	.19256
2.000	4.864	-08251	.02680	-06645	-.01532	-.03613	474.59421	.18787
	GRADIENT	-00053	00010	-.02034	-.00513	-.00304	-.00513	-.00034

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(SJK009) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 440	- 00320	.00228	.23295	.12778	.02014	478 14215	.01281
1 550	-6.298	- .00368	.00260	.17248	.11499	.00652	478.95141	.01266
1 550	-4.208	- .00272	.00209	.11654	.10178	- .00085	475.20328	.01108
1.550	-2 066	- .00418	.00220	.05944	.09053	- 00940	476.52364	.01263
1.550	039	- .00540	.00227	.01167	.07863	- 01395	479 20696	.01412
1.550	2.120	- 00775	.00240	-.03184	.06732	- 01769	479 54770	.01793
1.550	4.229	- 00626	.00169	-.07745	.06015	- 02230	479 07919	.01515
	GRADIENT	- 00051	- 00003	-.02276	- 00506	- .00243	51227	.00064

RUN NO 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.727	- 00286	.00210	.20709	.05766	.00291	475 08521	.01209
2.000	-5 618	- 00292	.00248	.15334	.04706	- 00348	474 65578	.01227
2.000	-3 506	- 00271	.00268	.10883	.03735	- 00990	474 76314	.01243
2.000	-1 412	- 00355	.00266	.06610	.02634	- .01818	474 62000	.01376
2.000	.690	- 00397	.00258	.02314	.01376	- 02589	475 04942	.01396
2.000	2 762	- 00500	.00244	- 01649	.00491	- .03147	474 90628	.01566
2 000	4 871	- 00562	.00201	-.06402	.00048	- 03620	474 76314	.01628
	GRADIENT	- 00035	- .00007	- 02047	- 00455	- .00315	01370	.00046

LARC UPWT 1152(1A94A) OTSAT130

(SJK010) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	.07531	-.01735	.24061	.12481	.03216	479.03659	-.17691
1.550	-6.308	.06847	-.01962	.17480	.11553	.01858	479.16437	-.16632
1.550	-4.149	.06807	-.02094	.11507	.10641	.00895	479.07919	-.16140
1.550	-2.079	.06982	-.02269	.06101	.09690	.00303	479.20696	-.16113
1.550	.028	.07104	-.02435	.01064	.08707	-.00322	479.12178	-.16102
1.550	2.127	.07250	-.02583	-.03621	.07877	-.00950	479.12178	-.16158
1.550	4.228	.07055	-.02736	-.08152	.06960	-.01517	479.33474	-.16042
	GRADIENT	.00036	-.00076	-.02339	-.00438	-.00290	.02031	.00007

RUN NO 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.717	.07379	-.01726	.20672	.06622	.00559	474.65578	-.17277
2.000	-5.614	.06918	-.01865	.15336	.05592	.00054	474.62000	-.16340
2.000	-3.506	.07072	-.02057	.10470	.04634	-.00634	474.65578	-.16165
2.000	-1.395	.07367	-.02135	.06194	.03701	-.01370	474.54843	-.16226
2.000	.683	.07427	-.02179	.02000	.02838	-.01988	474.62000	-.15910
2.000	2.790	.07278	-.02164	-.02201	.01856	-.02584	474.62000	-.15607
2.000	4.875	.06928	-.02089	-.06785	.01377	-.02885	474.69157	-.15042
	GRADIENT	-.00018	-.00004	-.02048	-.00399	-.00273	.00681	.00137

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(SJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	.12177	-.03064	.23995	.12464	.03844	479.24956	-.28190
1.550	-6.351	.11325	-.03307	.17579	.11529	.02366	479.16437	-.26768
1.550	-4.221	.10882	-.03453	.11848	.10711	.01509	479.16437	-.25838
1.550	-2.103	.10775	-.03626	.06252	.09880	.30978	479.16437	-.25254
1.550	.016	.11077	-.03905	.01007	.08954	.00432	479.24956	-.25297
1.550	2.119	.11148	-.04093	-.03844	.08110	-.00375	479.33474	-.25300
1.550	4.216	.10925	-.04237	-.08381	.07435	-.01027	479.29215	-.25002
	GRADIENT	00022	-.00096	-.02397	-.00395	-.00305	.02020	.00077

RUN NO 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.699	11231	-.02888	20809	.07134	.00911	474.83471	-.26630
2.000	-5.649	10732	-.02990	.15636	.06200	.00321	474.87049	-.25787
2.000	-3.520	10739	-.03220	.10478	.05338	-.00317	474.87049	-.25172
2.000	-1.400	11050	-.03324	.05659	.04500	-.01005	474.87049	-.25115
2.000	.693	11241	-.03435	.01529	.03675	-.01701	474.83471	-.24962
2.000	2.774	11280	-.03459	-.02488	.02873	-.02266	474.72735	-.24704
2.000	4.875	11053	-.03464	-.07094	.02166	-.02544	474.83471	-.24233
	GRADIENT	00041	-.00030	-.02065	-.00380	-.00273	-.01022	00109

LARC UPWT 1152(1A94A) OTSAT130

(SJK012) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.746	-12685	.03579	.22133	.05220	.01500	474.69157	.30838
2.000	-5.612	-.11974	.03621	.16201	.03773	.00865	474.47686	.29469
2.000	-3.525	-.12038	.03850	.11247	.02420	.00329	474.40529	.29110
2.00J	-1.428	-.12376	.03987	.06687	.01163	-.00256	474.22636	.29202
2.000	.689	-.12722	.04113	.02235	.00072	-.00952	474.26215	.29166
2.000	2.770	-12969	.04153	-.01841	-.00981	-.01580	474.11900	.29165
2.000	4.859	-12718	.04166	-.06090	-.01681	-.02045	474.11900	.28776
	GRADIENT	-00093	.00038	-.02061	-.00494	-.00290	-03242	-.00034

LARC UPWT 1152(1A94A) OTSAT130

(SJK013) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.724	-.08575	.02365	.22122	.05312	.01610	473.94008	.20771
2.000	-5.636	-.08041	.02475	.16503	.04181	.01042	474.36950	.19826
2.000	-3.516	-.08129	.02686	.11422	.02822	.00398	475.26413	.19648
2.000	-1.425	-.08503	.02768	.07003	.01446	-.00224	475.65777	.19793
2.000	.668	-.08616	.02799	.02736	.00251	-.00803	475.72934	.19694
2.000	2.771	-.08661	.02783	-.01575	-.00747	-.01476	475.15678	.19530
2.000	4.857	-.08431	.02739	-.05919	-.01508	-.02029	474.22636	.19179
	GRADIENT	-00036	.00006	-.02066	-.00518	-.00292	-.12304	-.00057

LARC UPWT 1152(1A94A) OTSAT130

(SJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.731	-.00457	.00272	.21736	.05876	.01756	475.87248	.01502
2.000	-5.639	-.00475	.00304	.16330	.04771	.01177	475.29992	.01602
2.000	-3.526	-.00427	.00316	.11549	.03789	.00498	474.01165	.01483
2.000	-1.414	-.00531	.00328	.07283	.02746	-.00364	474.01165	.01671
2.000	.680	-.00531	.00299	.03105	.01523	-.01131	473.90429	.01611
2.000	2.768	-.00664	.00289	-.01157	.00576	-.01737	473.40330	.01782
2.000	4.871	-.00668	.00248	-.05707	.00036	-.02251	473.11702	.01849
	GRADIENT	-.00029	-.00008	-.02048	-.00461	-.00328	-.11424	.00040

LARC UPWT 1152(1A94A) OTSAT130

(SJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.742	.07365	-.01676	.21953	.06697	.02049	475.26413	-.17144
2.000	-5.642	.06784	-.01789	.16320	.05659	.01506	475.22835	-.16167
2.000	-3.480	.06931	-.02003	.11496	.04687	.00795	475.33570	-.15988
2.000	-1.400	.07161	-.02067	.07169	.03742	.00084	475.40727	-.15909
2.000	.694	.07349	-.02146	.02728	.02882	-.00533	475.26413	-.15871
2.000	2.805	.07105	-.02090	-.01512	.01924	-.01143	475.51463	-.15286
2.000	4.872	.06911	-.02047	-.06064	.01363	-.01522	475.37149	-.14939
	GRADIENT	-.00005	-.00005	-.02095	-.00405	-.00280	.00861	.00130

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(SJK016) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.755	.11381	-.02868	.22075	.07306	.02370	475.33570	-.26873
2.000	-5.611	.10643	-.02942	.16505	.06241	.01743	475.37149	-.25600
2.000	-3.490	.10736	-.03182	.11343	.05355	.01108	475.51463	-.25282
2.000	-1.406	.10968	-.03275	.06617	.04507	.00443	475.40727	-.25099
2.000	.677	.11177	-.03396	.02476	.03741	-.00170	475.55041	-.24963
2.000	2.776	.11257	-.03435	-.01716	.02941	-.00811	475.47884	-.24697
2.000	4.876	.11091	-.03433	-.06208	.02222	-.01197	475.65777	-.24389
	GRADIENT	00048	-.00032	-.02077	-.00374	-.00280	.01713	.00105

LARC UPWT 1152(1A94A) OTSAT130

(SJK017) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
1.550	-8.460	-.13719	.03758	-.22176	.02044	.02576	478.18475	.32564
1.550	-6.335	-.12792	.04010	.15231	.00761	.01771	478.14215	.31017
1.550	-4.192	-.12485	.04194	.09395	-.00596	.00942	478.05697	.29948
1.550	-2.091	-.12583	.04456	.03959	-.01872	.00159	478.52548	.29837
1.550	.022	-.12744	.04646	-.01020	-.03067	-.00237	479.71807	.29675
1.550	2.129	-.12908	.04810	-.05651	-.04108	-.00574	479.89844	.29772
1.550	4.223	-.13014	.04977	-.10190	-.04946	-.01010	479.76066	.29754
	GRADIENT	-.00066	.00091	-.02317	-.00520	-.00220	.22676	-.00022

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(SJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 34/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.748	-.12325	.03502	.20508	-.03710	.01688	473.47487	.30128
2.000	-5.631	- 11769	.03588	.14858	-.04923	.01058	473.68958	.29165
2.000	-3.526	- 11787	.03811	.09838	-.05953	.00520	474.79892	.28707
2.000	-1.431	-.12038	.03942	.05202	-.06933	-.00054	474.79892	.28697
2.000	.676	- 12349	.04081	.01027	- 07788	-.00727	474.94207	.28585
2.000	2.779	- 12698	.04155	-.03300	- 08635	-.01408	474.79892	.28773
2.000	4.864	-.12550	.04177	-.07456	-.08929	-.01941	474.83471	.28543
	GRADIENT	- 00104	.00045	-.02053	-.00365	-.00299	.00342	- 00012

LARC UPWT 1152(1A94A) OTSAT130

(SJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	- 09000	.02421	.22293	.02215	.02801	479.93103	.21764
1.550	-6.332	- 08196	.02598	.15732	.00959	.01999	479.80326	.20130
1.550	-4.220	-.08067	.02750	.10012	- 00303	.01091	479.71807	.19657
1.550	-2.089	-.08169	.02896	.04503	- 01576	.00371	479.71807	.19523
1.550	.019	- 08325	.03034	-.00630	- 02642	-.00031	479.93103	.19486
1.550	2.128	-.08803	.03234	- 05469	- 03757	- 00413	479.84585	.20014
1.550	4.235	-.08728	.03392	- 09941	-.04520	-.00865	479.93103	.20029
	GRADIENT	-.00093	.00077	- 02361	-.00503	-.00222	.02621	.00058

LARC UPWT 1152(1A94A) OTSAT130

(SJK018) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.732	-.08379	.02317	.20661	-.03235	.01807	474.62000	.20528
2.000	-5.653	-.07687	.02408	.14939	-.04226	.01194	474.79892	.19214
2.000	-3.521	-.07935	.02666	.09984	-.05291	.00581	474.87049	.19339
2.000	-1.413	-.08226	.02721	.05421	-.06357	-.00031	474.79892	.19414
2.000	.686	-.08361	.02759	.01139	-.07276	-.00665	474.79892	.19330
2.000	2.786	-.08402	.02759	-.03046	-.08193	-.01338	474.90628	.19080
2.000	4.872	-.08246	.02712	-.07277	-.08472	-.01925	475.01364	.18820
	GRADIENT	-.00038	.00006	-.02049	-.00391	-.00301	.01873	-.00065

LARC UPWT 1152(1A94A) OTSAT130

(SJK019) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.415	-.00514	.00257	.21522	.03155	.03609	479.16437	.01709
1.550	-6.310	-.00496	.00266	.15625	.01993	.02200	478.99400	.01592
1.550	-4.194	-.00515	.00255	.09984	.01021	.01517	478.86622	.01438
1.550	-2.082	-.00597	.00243	.04375	.00036	.00797	478.78104	.01532
1.550	.028	-.00748	.00273	-.00539	-.01094	.00334	478.65326	.01843
1.550	2.123	-.00784	.00236	-.04931	-.02053	-.00100	478.78104	.01768
1.550	4.227	-.00821	.00225	-.09395	-.02540	-.00629	478.52548	.01862
	GRADIENT	-.00038	-.00003	-.02284	-.00438	-.00247	-.03239	.00052

DATE 29 OCT 76

TABULATED SOURCE DATA - IA94A.

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LARC UPWT 1152(IA94A) OTSAT130

(SJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO 33/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 716	- .00143	.00187	.20374	-.01919	.01894	475 72934	.00995
2.000	-5.616	-.00218	.00211	.15072	-.02605	.01306	475.62199	.01059
2.000	-3 519	- .00304	.00262	.10421	-.03397	.00682	474.29793	.01294
2 000	-1.415	- .00254	.00231	.05201	-.04232	- .00139	474.08322	.01170
2.000	689	- .00304	.00236	.01775	-.05357	- .00960	474.44107	.01262
2 000	2.770	- .00464	.00220	- .02422	-.06177	- .01586	474.51264	.01512
2.000	4.867	- .00426	.00170	-.07015	-.06386	- .02113	474 47686	.01354
	GRADIENT	- .00022	-.00009	-.02075	- .00378	- .00336	03756	.00022

LARC UPWT 1152(IA94A) OTSAT130

(SJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 452	.07411	-.01746	.22475	.03476	.05079	480.74029	-.17469
1.550	-6 337	.06734	-.01957	.16132	.02659	.03589	480.86807	- .16331
1 550	-4 196	.06632	- .02066	.10266	.01986	.02736	480.74029	-.15906
1 550	-2 078	.06704	-.02218	.04630	.01265	.02124	480.69770	-.15658
1.550	028	.06982	-.02427	- .00338	.00544	.01511	480.78288	-.15888
1.550	2 132	.07050	-.02532	- .05101	- .00194	.00771	480.78288	-.15840
1.550	4 230	.06867	-.02659	- .09567	-.00956	.00083	480.69770	-.15651
	GRADIENT	.00039	-.00071	-.02345	- .00349	- .00316	.00001	.00016

LARC UPWT 1152(1A94A) OTSAT130

(SJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2 000	-7 744	.07517	- 01762	.20401	-.00147	.02157	474.97785	- 17366
2.000	-5.619	.06875	-.01902	.14688	-.00845	.01599	474.97785	-.16306
2 000	-3.505	.06984	-.02094	.09827	-.01580	.00895	474.94207	-.16137
2 000	-1 420	.07293	-.02172	.05474	- 02253	.00191	474.97785	-.16151
2.000	.681	.07364	-.02224	.01228	- 02829	- 00418	474.90628	-.15981
2.000	2 770	.07261	-.02213	-.03112	- 03600	-.01059	474.94207	-.15514
2 000	4 870	.07102	-.02161	-.07723	- 04089	-.01453	475 08521	-.15266
	GRADIENT	00010	-.00008	-.02086	-.00304	- 00284	.01197	.00114

LARC UPWT 1152(1A94A) OTSAT130

(SJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8.442	.11990	-.03076	.22295	.03747	.05539	480.78288	-.27888
1 550	-6.319	.11096	-.03301	.15875	.02837	04270	480.74029	-.26474
1.550	-4 201	.10759	-.03478	.10090	.02893	03266	480.52733	- 25716
1.550	-2.085	.10631	-.03644	.04703	01419	.02782	480 52733	-.25208
1.550	.022	.10977	-.03918	-.00733	00828	.02276	480.52733	-.25207
1.550	2.123	.11077	-.04085	-.05513	.00237	.01407	480.44214	-.25217
1.550	4.231	.10817	-.04222	-.10095	-.00303	.00560	480.39955	- 24895
	GRADIENT	.00027	-.00092	-.02401	-.00284	- 00322	-.01616	.00078

LARC UPWT 1152(1A94A) OTSAT130

(SJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 10 000
 ELV-LO = -5 000 ELV-RI = 10.000
 ELV-RO = -5 000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 729	.11360	- 02972	.20030	.00634	.02448	474.97785	-.26920
2.000	-5 638	.10652	- 03040	.14848	-.00122	.01844	474.97785	-.25704
2.000	-3.518	.10650	-.03244	.09680	-.00808	.01232	474.94207	-.25151
2 000	-1.409	.10947	- 03364	.04935	-.01445	.00559	474 83471	-.25088
2.000	.679	.11194	-.03486	.00719	- 01971	-.00077	475 04942	-.24957
2.000	2.773	.11233	- 03528	-.03557	- 02522	- 00711	475.01364	-.24635
2.000	4.871	.11047	-.03502	-.07925	-.03048	- 01113	475 08521	-.24250
	GRADIENT	.00052	-.00032	-.02085	-.00265	-.00284	02217	00108

LARC UPWT 1152(1A94A) OTSAT130

(SJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10 000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2 000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.13372	.03674	.21180	.01755	-.00391	479 29215	.31903
1.550	-6 337	-.12421	.03900	.14542	.00462	- 01226	479 29215	.30191
1.550	-4.207	-.12263	.04118	.08699	- 00947	-.02099	479 24956	.29611
1.550	-2 061	-.12442	.04410	.03203	- 02173	-.02858	479 16437	.29472
1.550	.037	-.12494	.04558	- 01610	-.03278	-.03120	479 07919	.29123
1 550	2 136	-.12741	.04752	- 06206	-.04358	-.03395	479 07919	.29477
1 550	4.223	-.12788	.04914	-.10581	- 05183	-.03824	479 12178	.29396
	GRADIENT	-.00064	.00092	- 02279	-.00506	- 00190	- 01624	-.00020

LARC UPWT 1152(1A94A) OTSAT130

(SJK022) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 717	-.12138	.03453	.18749	-.03937	-.00914	474.22636	.29791
2.000	-5 601	-.11618	.03550	.13470	-.05127	-.01441	474.11900	.28733
2.000	-3 513	-.11665	.03784	.08639	-.06244	-.01944	474.08322	.28431
2.000	-1 417	-.12007	.03908	.04124	-.07214	-.02487	474 01165	.28388
2.000	694	-.12356	.04069	-.00085	-.08214	-.03197	474.40529	.28369
2.000	2.785	-.12647	.04112	-.04197	-.09019	-.03876	474.58421	.28428
2.000	4.886	-.12485	.04196	-.08506	-.09163	-.04409	474.76314	.28246
	GRADIENT	-.00109	.00049	-.02029	-.00364	-.00301	09204	-.00016

LARC UPWT 1152(1A94A) OTSAT130

(SJK023) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 442	-.08683	.02337	.21262	.02112	-.00107	478.90882	.21003
1.550	-6.350	-.08023	.02518	.15080	.00807	-.00913	478.82363	.19769
1.550	-4.193	-.08060	.02739	.09148	-.00583	-.01917	478 90882	.19666
1.550	-2.106	-.08001	.02828	.03782	-.01834	-.02638	478.86622	.19184
1.550	.023	-.08097	.02935	-.01312	-.02952	-.02968	478 78104	.19082
1.550	2.136	-.08613	.03163	-.05969	-.03959	-.03244	478.86622	.19768
1 550	4.216	-.08379	.03239	-.10348	-.04774	-.03651	478 78104	.19327
	GRADIENT	-.00059	.00063	-.02315	-.00499	-.00193	01212	-.00004

LARC UPWT 1152(1A94A) OTSAT130

(SJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.718	-.08227	.02286	.19015	-.03442	-.00696	474.76314	.20317
2.000	-5.610	-.07580	.02394	.13626	-.04483	-.01268	474.79892	.19090
2.000	-3.495	-.07847	.02629	.08680	-.05586	-.01787	474.72735	.19078
2.000	-1.397	-.08176	.02685	.04340	-.06700	-.02382	474.83471	.19227
2.000	.699	-.08351	.02733	.00228	-.07681	-.02947	474.72735	.19284
2.000	2.779	-.08525	.02747	-.03933	-.08541	-.03637	474.58421	.19201
2.000	4.878	-.08263	.02709	-.08359	-.08687	-.04301	474.65578	.18668
	GRADIENT	-.00056	.00011	-.02024	-.00384	-.00300	-.01879	-.00040

LARC UPWT 1152(1A94A) OTSAT130

(SJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.440	-.00122	.00152	.21021	.02917	.00872	479.24956	.00902
1.550	-6.317	-.00209	.00201	.15172	.01841	-.00381	481.67732	.01076
1.550	-4.191	-.00256	.00181	.09231	.00683	-.01164	482.74213	.01090
1.550	-2.074	-.00348	.00179	.03715	-.00288	-.01996	483.89213	.01205
1.550	.014	-.00480	.00206	-.00946	-.01241	-.00381	482.69954	.01434
1.550	2.119	-.00581	.00177	-.05430	-.02207	-.02748	479.67548	.01533
1.550	4.224	-.00522	.00146	-.09963	-.02653	-.03227	475.67179	.01366
	GRADIENT	-.00036	-.00003	-.02261	-.00409	-.00232	-.87298	.00042

LARC UPWT 1152(1A94A) OTSAT130

(SJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.719	-.00064	.00153	.18409	-.02057	-.00448	475.08521	.00899
2.000	-5.604	-.00147	.00181	.13530	-.02780	- 0.1041	472.83073	.00995
2.000	-3.507	- 0.0125	.00191	.09212	-.03475	-.01644	473.58223	.00895
2.000	-1.380	-.00254	.00210	.04923	- 0.4478	-.02502	474.08322	.01178
2.000	.693	- 0.0337	.00216	.00822	-.05622	-.03171	474.79892	.01320
2.000	2.781	- 0.0384	.00185	-.03428	- 0.6339	-.03802	475.22835	.01325
2.000	4.892	- 0.0454	.00145	-.08213	-.06402	-.04297	475.12099	.01414
	GRADIENT	- 0.0038	- 0.0006	-.02061	-.00368	- 0.0315	.20137	.00057

LARC UPWT 1152(1A94A) OTSAT130

(SJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.428	.07677	-.01854	.21471	.03159	.01875	478.61067	-.17857
1.550	-6.322	.07075	-.02061	.15233	.02399	.00850	478.61067	-.16852
1.550	-4.161	.06856	-.02131	.09433	.01805	.00076	478.69585	-.16149
1.550	-2.074	.06936	-.02279	.03849	.01045	-.00598	478.61067	-.16013
1.550	.032	.07084	-.02433	-.01103	.00249	-.01212	478.56808	-.15926
1.550	2.134	.07453	-.02659	-.05885	-.00437	-.01864	478.65326	-.16490
1.550	4.246	.07095	-.02727	-.10365	-.01178	-.02447	478.69585	-.15975
	GRADIENT	.00047	- 0.0075	-.02346	-.00354	- 0.0300	.00205	-.00006

LARC UPWT 1152(1A94A) OTSAT130

(SJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4 000 ELV-LI = 10.000
 ELV-LO = 2 000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.716	.07301	-.01782	.18582	- .00282	-.00108	474.58421	-.17112
2.000	-5.599	.06931	-.01952	.13372	- .00993	-.00573	474.58421	-.16421
2.000	-3.490	.07073	-.02141	.08788	- .01740	-.01246	474.58421	-.16191
2 000	-1.409	.07352	- .02198	.04593	- .02402	-.01934	474.62000	-.16238
2 000	.706	.07410	- .02255	.00271	- .03076	- .02577	474.54843	- .15939
2.000	2.784	.07462	- .02263	-.04070	- .03800	- .03204	474.47686	- .15788
2.000	4.873	.07124	- .02185	-.08654	- .04216	- .03482	474.54843	-.15249
	GRADIENT	00010	-.00007	-.02082	- .00304	- .00275	- .01028	.00112

LARC UPWT 1152(1A94A) OTSAT130

(SJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.434	.12121	-.03148	.21236	.03396	.02262	478.69585	- .28083
1 550	-6.320	.11236	-.03329	.15008	.02589	.01207	478.65326	- .26494
1 550	-4.173	.10924	-.03513	.09360	.01959	.00569	478.78104	-.25853
1.550	-2.069	.10934	-.03731	.03621	01211	.00106	478.78104	-.25579
1 550	.037	.11154	-.03947	- .01409	.00617	- .00498	478.82363	- .25311
1.550	2.126	.11273	- .04139	- .06125	00000	- .01266	478.73845	-.25516
1.550	4.232	.11080	- .04294	-.10581	- .00559	- .01986	478.90882	-.25174
	GRADIENT	00031	- .00094	- .02363	- .00297	- .00309	.01015	.00068

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LARC UPWT 1152(1A94A) OTSAT130

(SJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.704	.11286	-.02991	18649	.00539	.00276	474.54843	-.26864
2.000	-5.639	.10777	-.03108	13576	-.00172	-.00286	474.51264	-.25882
2.000	-3.490	.10820	-.03322	08537	-.00846	-.00929	474.51264	-.25349
2.000	-1.401	.11118	-.03424	04081	-.01483	-.01594	474.44107	-.25286
2.000	.691	.11257	-.03512	-.00344	-.02108	-.02322	474.51264	-.24888
2.000	2.799	.11428	-.03576	-.04336	-.02672	-.02902	474.47686	-.24838
2.000	4.894	.11243	-.03591	-.08913	-.03114	-.03127	474.44107	-.24513
	GRADIENT	.00055	-.00033	-.02066	-.00273	-.00272	-.00512	00101

LARC UPWT 1152(1A94A) OTSAT130

(SJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	-.13449	.03737	.22715	.01805	.04828	478.65326	.31997
1.550	-6.335	-.12463	.03941	.16033	.00463	.03812	478.52548	.30266
1.550	-4.227	-.12374	.04160	10400	-.00887	.02747	478.86622	.29735
1.550	-2.090	-.12438	.04433	.04740	-.02160	.01926	479.24956	.29552
1.550	.029	-.12765	.04685	-.00269	-.03287	.01463	479.46252	.29744
1.550	2.126	-.12837	.04802	-.05056	-.04330	.01114	479.54770	.29662
1.550	4.227	-.13103	.05018	-.09423	-.05154	.00712	479.59029	.29981
	GRADIENT	-.00088	.00099	-.02341	-.00507	-.00231	.08279	.00028

LARC UPWT 1152(1A94A) OTSAT130

(SJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.738	-.12214	.03493	.20391	-.04116	.03084	474.79892	.30109
2.000	-5.645	-.11704	.03575	.15058	-.05284	.02399	475.47884	.29143
2.000	-3.516	-.11763	.03811	.09907	-.06371	.01803	475.62199	.28747
2.000	-1.422	-.12031	.03928	.05471	-.07299	.01222	475.65777	.28533
2.000	.681	-.12506	.04074	.01196	-.08144	.00672	475.58620	.28902
2.000	2.727	-.12776	.04163	-.02893	-.08987	.00099	475.62199	.28886
2.000	4.860	-.12580	.04169	-.07034	-.09158	-.00341	474.40529	.28542
	GRADIENT	-.00114	.00045	-.02021	-.00347	-.00259	-.11853	-.00003

LARC UPWT 1152(1A94A) OTSAT130

(SJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.464	-.08711	.02352	.23112	.02158	.04973	479.24956	.20898
1.550	-6.335	-.08200	.02601	.16667	.00795	.04042	479.12178	.20186
1.550	-4.208	-.07935	.02721	.10717	-.00522	.02912	479.07919	.19361
1.550	-2.096	-.08079	.02883	.05167	-.01894	.02101	479.03659	.19309
1.550	.028	-.08297	.03043	.00051	-.02926	.01623	478.95141	.19417
1.550	2.118	-.08595	.03155	-.04695	-.03946	.01214	478.95141	.19597
1.550	4.238	-.08547	.03306	-.09182	-.04711	.00827	478.99400	.19582
	GRADIENT	-.00082	.00068	-.02353	-.00494	-.00240	-.01212	.00035

LARC UPWT 1152(1A94A) OTSAT130

(SJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.729	-08256	02321	20595	-.03617	.03187	474.29793	.20273
2.000	-5.640	-07704	02435	.15231	-.04621	.02527	474.44107	.19342
2.000	-3.496	-.07846	02659	.10007	-05726	.01892	474.33372	.19147
2.000	-1.415	-.08230	02732	.05681	-06756	.01195	474.33372	.19380
2.000	.701	-08454	.02793	01430	-.07663	.00666	474.36950	.19455
2.000	2.791	-08522	02774	-.02638	-08472	.00100	474.33372	.19151
2.000	4.860	-08342	.02740	-.06978	-08765	-.00387	474.44107	.19008
	GRADIENT	-00061	.00010	-.02022	-.00373	-.00270	.01025	-00024

LARC UPWT 1152(1A94A) OTSAT130

(SJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	-00277	00215	.22512	.03118	.05949	479.46252	.01195
1.550	-6.330	-.00357	00255	.16715	.01901	.04497	478.31252	.01238
1.550	-4.192	-.00472	.00265	.10772	.00785	.03503	478.14215	.01387
1.550	-2.084	-00512	.00241	.05214	-.00170	.02555	479.20696	.01368
1.550	.011	-00625	.00242	.00253	-.01320	.02051	480.14400	.01511
1.550	2.138	-.00792	00262	-.04179	-.02241	.01612	480.18659	.01731
1.550	4.240	-00745	.00201	-.08704	-.02702	.01030	479.93103	.01696
	GRADIENT	-.00039	-.00005	-.02293	-.00429	-.00279	.21598	.00047

LARC UPWT 1152(1A94A) OTSAT130

(SJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.734	-0.0235	.00214	.20391	-.02257	.03094	476.73133	01237
2.000	-5.631	-0.0238	.00216	.15136	-.02930	.02593	476.33769	.01113
2.000	-3.506	-.00278	.00266	.10479	-.03698	.01866	474.97785	.01270
2.000	-1.397	-.00414	.00287	.06246	-.04648	.01019	474.26215	.01526
2.000	.686	-.00524	.00288	.02009	-.05715	.00414	474.22636	.01640
2.000	2.790	-.00596	.00248	-.02246	-.06485	-.00201	474.44107	.01644
2.000	4.876	-.00612	.00209	-.06808	-.06635	-.00689	474.22636	.01681
	GRADIENT	-.00041	-0.0007	-.02056	-.00368	-.00302	-0.06326	.00045

LARC UPWT 1152(1A94A) OTSAT130

(SJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.345	.07530	-.01795	.23233	.03347	.07003	478.86622	-.17723
1.550	-6.315	.06856	-.01993	.16809	.02504	.05713	478.86622	-.16528
1.550	-4.167	.06583	-.02059	.10982	.01804	.04864	478.82363	-.15993
1.550	-2.092	.06858	-.02280	.05359	.01068	.04083	478.78104	-.16183
1.550	.033	.06945	-.02429	.00311	.00261	.03194	478.86622	-.15987
1.550	2.134	.07160	-.02586	-.04468	-.00462	.02253	478.86622	-.16148
1.550	4.214	.07008	-.02716	-.08917	-.01166	.01571	478.82363	-.15981
	GRADIENT	.00054	-0.00077	-.02364	-.00356	-.00401	0.0409	-.00007

LARC UPWT 1152(1A94A) OTSAT130

(SJK030) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 713	.07377	- 01738	.20186	-.00429	.03539	474 26215	-.17264
2.000	-5 608	.06765	- 01856	.14779	-.01091	.02773	474 26215	-.16257
2.000	-3 516	.06923	-.02055	.09972	-.01840	.02015	474 19057	-.16084
2.000	-1.421	.07232	- 02151	.05781	-.02477	.01272	474 19057	-.16098
2.000	.685	.07286	- 02196	.01587	-.03054	.00736	474 11900	-.15801
2 000	2.780	.07156	- 02178	-.02831	- 03852	.00153	474 08322	-.15352
2.000	4 861	.06998	-.02139	- 07266	- 04342	-.00132	474 19057	- 15106
	GRADIENT	.00004	- 00009	- 02056	- 00304	-.00258	- 00515	.00129

LARC UPWT 1152(1A94A) OTSAT130

(SJK031) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	.11945	-.03082	.23153	.03633	.07521	478.73845	-.27875
1 550	-6.334	.10977	-.03261	.16851	.02695	.06330	478.73845	-.26237
1.550	-4 212	.10608	-.03432	.11035	.01947	.05532	478.82363	-.25462
1.550	-2 095	.10487	- 03598	.05327	.01187	.04818	478 86622	-.24947
1 550	.014	.10930	- 03904	.00147	.00534	.04142	478 99400	-.25185
1.550	2.121	.11035	- 04087	- 04757	- 00036	.02989	478.95141	- 25305
1.550	4.222	.10895	-.04240	- 09381	-.00559	.01912	478.95141	- 25079
	GRADIENT	.00053	-.00100	- 02415	-.00296	-.00430	.01617	.00019

LARC UPWT 1152(1A94A) OTSAT130

(SJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 10.000
 ELV-LO = -10 000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 718	.11177	-.02915	.20203	.00396	.03839	474 15479	-.26704
2.000	-5 647	.10462	-.02963	.14916	-.00331	.02974	474.08322	-.25375
2.000	-3.520	.10554	-.03205	.09781	-.01018	.02283	474.19057	-.25001
2.000	-1.396	.10978	-.03364	.05011	-.01656	.01617	474.11900	-.25092
2 000	.681	.11068	-.03450	.00935	-.02183	.00988	474.26215	-.24697
2 000	2.790	.11125	-.03494	-.03142	-.02698	.00437	474.15479	-.24434
2.000	4.878	.10959	-.03494	-.07546	-.03202	.00123	474.08322	-.24139
	GRADIENT	.00046	-.00034	-.02040	-.00258	-.00262	-.00855	.00113

LARC UPWT 1152(1A94A) OTSAT130

(SJK032) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10 000 ELV-RI = 12.000
 ELV-RO = -10 000

RUN NO. 59/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 449	-.13434	.03739	.22628	.00889	.04738	479.29215	.31982
1.550	-6 339	-.12554	.03967	.15844	-.00363	.03743	480 48473	.30463
1 550	-4.197	-.12363	.04168	.10181	-.01681	.02712	480 91066	.29744
1.550	-2 103	-.12295	.04383	.04710	-.02832	.01837	480.56992	.29256
1.550	.020	-.12604	.04626	-.00310	-.03850	.01369	480.31437	.29424
1.550	2 128	-.12785	.04784	-.05094	-.04828	.01076	479.41993	.29507
1.550	4 219	-.13125	.05009	-.09504	-.05668	.00705	479.16437	.30007
	GRADIENT	-.00096	.00099	-.02335	-.00473	-.00227	-.22043	.00037

LARC UPWT 1152(IA94A) OTSAT130

(SJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.09057	.02476	.22940	.01247	.04888	478.69585	.21675
1.550	-6.330	-.08108	.02568	.16598	-.00012	.03966	479.07919	.19889
1.550	-4.190	-.07960	.02736	.10609	-.01287	.02844	479.12178	.19470
1.550	-2.093	-.08109	.02896	.05092	-.02573	.01964	479.20696	.19439
1.550	.042	-.08296	.03049	-.00097	-.03520	.01501	479.20696	.19436
1.550	2.129	-.08665	.03203	-.04800	-.04504	.01160	479.07919	.19781
1.550	4.240	-.08649	.03335	-.09222	-.05267	.00789	479.20696	.19815
	GRADIENT	-.00092	.00071	-.02351	-.00469	-.00233	.00203	.00049

LARC UPWT 1152(IA94A) OTSAT130

(SJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 58/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.424	-.00381	.00234	.22474	.02076	.05846	479.16437	.01410
1.550	-6.320	-.00355	.00261	.16332	.00901	.04349	479.50511	.01264
1.550	-4.200	-.00431	.00245	.10539	-.00146	.03312	479.37733	.01275
1.550	-2.090	-.00571	.00261	.05041	-.01056	.02472	479.20696	.01531
1.550	.042	-.00626	.00240	-.00001	-.01980	.01981	478.69585	.01489
1.550	2.126	-.00719	.00221	-.04294	-.02833	.01527	478.35512	.01606
1.550	4.219	-.00760	.00204	-.08858	-.03235	.00988	478.14215	.01729
	GRADIENT	-.00038	-.00006	-.02286	-.00378	-.00266	-.15784	.00047

LARC UPWT 1152(1A94A) OTSAT130

(SJK035) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.451	.07431	-.01791	.22990	.02409	.06882	478.86622	-.17618
1.550	-6.326	.06831	-.01969	.16769	.01567	.05615	478.86622	-.16702
1.550	-4.166	.06667	-.02070	.10789	.00878	.04780	478.82363	-.16109
1.550	-2.077	.06902	-.02295	.05273	.00214	.03975	478.95141	-.16258
1.550	.019	.07103	-.02484	.00099	-.00498	.03104	478.82363	-.16308
1.550	2.122	.07203	-.02597	-.04591	-.01081	.02246	478.73845	-.16176
1.550	4.228	.07031	-.02716	-.09076	-.01688	.01525	478.90882	-.16032
	GRADIENT	.00049	-.00076	-.02363	-.00306	-.00393	-.00203	.00011

LARC UPWT 1152(1A94A) OTSAT130

(SJK036) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.440	.11906	-.03086	.23031	.02740	.07378	479.16437	-.27909
1.550	-6.340	.11017	-.03268	.16613	.01815	.06158	479.12178	-.26323
1.550	-4.174	.10646	-.03423	.10846	.01067	.05307	479.20696	-.25521
1.550	-2.095	.10667	-.03648	.05306	.00368	.04686	479.20696	-.25390
1.550	.013	.10942	-.03899	.00179	-.00194	.04049	479.16437	-.25232
1.550	2.119	.11088	-.04090	-.04776	-.00631	.02942	479.20696	-.25398
1.550	4.221	.10942	-.04239	-.09470	-.01068	.01927	479.03659	-.25127
	GRADIENT	.00048	-.00099	-.02414	-.00251	-.00405	-.01623	.00037

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LARC UPWT 1152(1A94A) OTSAT130

(SJK037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.13416	.03738	.22019	.00915	.02402	478.05697	.32041
1.550	-6.341	-.12529	.03956	.15318	-.00328	.01611	478.01438	.30432
1.550	-4.221	-.12362	.04183	.09436	-.01655	.00768	477.97178	.29682
1.550	-2.091	-.12395	.04417	.04002	-.02847	.00023	478.01438	.29438
1.550	.017	-.12594	.04626	-.00961	-.03845	-.00315	477.97178	.29379
1.550	2.109	-.12768	.04783	-.05502	-.04831	-.00568	477.97178	.29486
1.550	4.228	-.12998	.04995	-.10125	-.05657	-.01022	478.05697	.29724
	GRADIENT	-.00078	.00094	-.02305	-.00473	-.00198	.00607	.00006

RUN NO. 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.762	-.12223	.03445	.20280	-.04215	.01631	474.62000	.30002
2.000	-5.646	-.11616	.03542	.14614	-.05430	.00995	474.47686	.29013
2.000	-3.536	-.11535	.03740	.09608	-.06499	.00444	474.26215	.28283
2.000	-1.413	-.12035	.03950	.04762	-.07493	-.00147	474.22636	.28678
2.000	.679	-.12270	.04033	.00558	-.08377	-.00782	474.15479	.28417
2.000	2.588	-.12563	.04125	-.03152	-.09089	-.01402	474.15479	.28483
2.000	4.860	-.12420	.04142	-.07630	-.09411	-.01923	473.97586	.28241
	GRADIENT	-.00110	.00047	-.02039	-.00356	-.00288	-.03122	-.00014

LARC UPWT 1152(1A94A) OTSAT130

(SJK038) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12 000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO 65/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	-.08677	.02346	.22039	.01213	.02669	477 88660	.20909
1.550	-6.355	-.08160	.02584	.15914	.00024	.01908	477 97178	.20014
1.550	-4.210	-.08035	.02762	.09882	-.01290	.00996	478 05697	.19562
1.550	-2.087	-.08049	.02874	.04439	-.02531	.00251	477 97178	.19243
1.550	.026	-.08209	.03007	-.00823	-.03516	-.00123	478 05697	.19240
1.550	2.111	-.08672	.03194	-.05298	-.04453	-.00445	478 05697	.19767
1.550	4.219	-.08706	.03381	-.09817	-.05231	-.00899	478 05697	.19997
	GRADIENT	-.00093	.00074	-.02334	-.00466	-.00213	00403	.00066

RUN NO 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.733	-.08294	.02301	.20314	-.03841	.01725	473.90429	.20482
2.000	-5.631	-.07775	.02457	.14415	-.04838	.01071	474.79892	.19545
2.000	-3.517	-.07894	.02669	.09382	-.05903	.00451	474 90628	.19316
2.000	-1.405	-.08355	.02767	.04944	-.07004	-.00147	474 97785	.19679
2.000	.674	-.08499	.02804	.00804	-.07862	-.00727	474 90628	.19596
2.000	2.783	-.08618	.02803	-.03375	-.08777	-.01384	475 08521	.19393
2.000	4.891	-.08396	.02774	-.07643	-.09012	-.01940	474.97785	.19035
	GRADIENT	-.00060	.00012	-.02017	-.00380	-.00287	01194	-.00040

LARC UPWT 1152(IA94A) OTSAT130

(SJK039) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.430	-.00366	.00225	.21712	.01996	.03463	478.44030	.01358
1.550	-6.290	-.00442	.00273	.15779	.00852	.02019	480.39955	.01448
1.550	-4.183	-.00439	.00230	.10100	-.00146	.01334	479.24956	.01303
1.550	-2.078	-.00492	.00221	.04520	-.01008	.00683	478.86622	.01343
1.550	.024	-.00625	.00236	-.00425	-.01980	-.00273	478.69585	.01544
1.550	2.121	-.00739	.00227	-.04793	-.02795	-.00138	478.61067	.01716
1.550	4.230	-.00693	.00169	-.09251	-.03196	-.00637	478.52548	.01593
	GRADIENT	-.00036	-.00006	-.02284	-.00375	-.00227	-.08104	.00045

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.742	-.00185	.00211	.20092	-.02561	.01830	474.54843	.01158
2.000	-5.646	-.00199	.00222	.14840	-.03227	.01234	473.94008	.01118
2.000	-3.494	-.00199	.00247	.10081	-.03942	.00598	473.54644	.01077
2.000	-1.421	-.00212	.00233	.05925	-.04735	-.00248	472.86652	.01176
2.000	.679	-.00341	.00253	.01459	-.05873	-.01049	472.36553	.01347
2.000	2.758	-.00487	.00231	-.02668	-.06583	-.01624	472.65181	.01543
2.000	4.876	-.00489	.00178	-.07394	-.06764	-.02101	475.47884	.01459
	GRADIENT	-.00041	-.00007	-.02082	-.00358	-.00324	.17547	.00054

LARC UPWT 1152(IA94A) OTSAT130

(SJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8.430	.07441	-.01760	.22247	.02446	.04813	478.61067	-.17518
1.550	-6.319	.06739	-.01937	.16012	.01664	.03433	478.31252	-.16366
1.550	-4.190	.06683	-.02070	.10150	.01034	.02568	478.22734	-.16047
1.550	-2.076	.06951	-.02298	.04502	.00392	.01983	478.26993	-.16194
1.550	.024	.07008	-.02430	-.00684	-.00401	.01367	478.26993	-.15916
1.550	2.122	.07137	-.02548	-.05250	-.00949	.00714	478.18475	-.15923
1.550	4.216	.06882	-.02653	-.09594	-.01654	.00053	478.18475	-.15653
	GRADIENT	.00028	-.00067	-.02344	-.00320	-.00300	-.00810	.00050

RUN NO 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2.000	-7.748	.07541	-.01778	.19787	-.00759	.02111	474.94207	-.17594
2.000	-5.611	.06873	-.01903	.14154	-.01408	.01530	474.87049	-.16396
2.000	-3.496	.06910	-.02066	.09327	-.02095	.00811	474.76314	-.16009
2.000	-1.401	.07204	-.02157	.05001	-.02694	.00099	474.90628	-.16020
2.000	.683	.07386	-.02244	.00757	-.03258	-.00526	474.76314	-.15909
2.000	2.786	.07370	-.02241	-.03548	-.03894	-.01106	474.90628	-.15729
2.000	4.863	.07043	-.02171	-.07921	-.04397	-.01477	474.87049	-.15137
	GRADIENT	.00021	-.00014	-.02059	-.00278	-.00277	.01029	.00097

LARC UPWT 1152(IA94A) OTSAT130

(SJK041) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.432	.12045	-.03120	.21977	.02699	.05251	478.09956	-.28159
1.550	-6.323	.11106	-.03279	.15778	.01831	.04065	478.14215	-.26428
1.550	-4.181	.10775	-.03467	.10034	.01105	.03153	478.22734	-.25818
1.550	-2.092	.10689	-.03650	.04380	.00452	.02622	478.14215	-.25306
1.550	.026	.11028	-.03922	-.00816	-.00085	.02104	478.26993	-.25357
1.550	2.121	.11079	-.04083	-.05514	-.00523	.01306	478.35512	-.25250
1.550	4.211	.10926	-.04261	-.09926	-.00948	.00494	478.35512	-.25082
	GRADIENT	.00033	-.00096	-.02373	-.00242	-.00316	.02234	.00073

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.737	.11176	-.02926	.19374	-.00049	.02310	474.94207	-.26717
2.000	-5.628	.10531	-.03022	.14177	-.00674	.01706	474.90628	-.25579
2.000	-3.511	.10616	-.03247	.09181	-.01296	.01063	474.97785	-.25123
2.000	-1.410	.11015	-.03398	.04540	-.01886	.00398	474.97785	-.25185
2.000	.690	.11127	-.03494	.00264	-.02388	-.00232	474.94207	-.24768
2.000	2.773	.11125	-.03514	-.03672	-.02902	-.00804	474.94207	-.24422
2.000	4.881	.10999	-.03519	-.08326	-.03343	-.01183	474.90628	-.24148
	GRADIENT	.00042	-.00031	-.02062	-.00245	-.00272	-.00854	.00129

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(SJK042) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976 0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 74/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 441	- 13316	.03665	.20812	.00583	-.00622	477.80141	.31650
1.550	-6 353	-.12531	.03935	.14296	-.00681	-.01512	478.48289	.30289
1.550	-4 226	- 12408	.04175	.08488	- 02002	-.02459	479.41993	.29752
1.550	-2 083	- 12541	.04452	.02810	- 03176	-.03207	479.76066	.29592
1.550	- 032	- 12587	.04605	-.01803	- 04133	- 03474	479.84585	.29345
1.550	2 119	-.12908	.04814	- 06653	- 05152	-.03750	479.76066	.29697
1.550	4 219	-.12916	.04966	-.10978	-.05965	-.04133	479.71807	.29542
	GRADIENT	- 00066	.00092	- 02295	- 00469	-.00185	02826	-.00015

LARC UPWT 1152(1A94A) OTSAT130

(SJK043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.08877	.02395	.21155	.00996	- 00299	479.29215	.21414
1.550	-6 394	-.08129	.02543	.15110	-.00231	- 01111	479.24956	.20048
1.550	-4.203	-.08103	.02758	.09068	-.01590	- 02222	479.20696	.19704
1.550	-2.053	-.08079	.02872	.03292	- 02901	-.03019	479.20696	.19303
1.550	.042	-.08270	.03009	-.01706	- 03871	-.03318	479.20696	.19271
1.550	2 124	-.08520	.03128	- 06257	- 04818	- 03601	479.20696	.19455
1.550	4 244	-.08518	.03302	-.10732	- 05536	- 03978	479.07919	.19553
	GRADIENT	-.00060	.00064	-.02333	-.00466	- 00195	-.01212	- 00007

LARC UPWT 1152(1A94A) OTSAT130

(SJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.437	-.00212	.00186	.20633	01805	.00607	478.61067	.01121
1.550	-6.289	-.00310	.00254	.14729	00725	-.00698	478.39771	.01272
1.550	-4.178	-00334	.00232	.09024	-00280	-.01414	477.88660	.01177
1.550	-2.078	-00361	.00207	.03328	-01267	-.02330	477.54586	.01136
1.550	.036	-00497	.00225	-.01411	-02158	-.02748	477.03475	.01364
1.550	2.140	-.00647	.00221	-.05773	-.03018	-.03119	477.97178	.01558
1.550	4.235	00567	00174	-.10307	-.03404	-03561	478.44030	.01408
	GRADIENT	-00036	-.00005	-.02270	-00380	-.00242	.07275	.00042

LARC UPWT 1152(1A94A) OTSAT130

(SJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.414	.07525	-.01813	.21267	.02053	.01691	479.03659	-.17547
1.550	-6.333	.06970	-.01997	.15149	.01341	.00614	478.99400	-.16627
1.550	-4.152	.06861	-02112	.09119	.00771	-.00261	479.07919	-.16136
1.550	-2.076	.06926	-02266	.03740	.00083	-00897	478.99400	-.15974
1.550	.035	.07196	-02461	-.01449	-.00668	-.01526	478.99400	-.16182
1.550	2.127	.07342	-.02609	-.06151	-.01226	-02231	478.99400	-.16237
1.550	4.236	.07041	-.02694	-.10168	-.01954	-.02844	479.07919	-.15857
	GRADIENT	00037	-00072	-.02339	-00322	-.00310	.00003	.00014

LARC UPWT 1152(1A94A) OTSAT130

(SJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.422	.12082	-.03087	.21249	.02350	.02094	478.95141	-.27906
1.550	-6.332	.11244	-.03323	.14760	.01507	.00994	479.07919	-.26526
1.550	-4.160	.10845	-.03468	.09014	.00925	.00220	479.07919	-.25648
1.550	-2.072	.10855	-.03690	.03489	.00237	-.00238	478.95141	-.25411
1.550	.004	.11052	-.03893	-.01456	-.00291	-.00820	479.07919	-.25142
1.550	2.127	.11291	-.04133	-.06360	-.00801	-.01602	479.03659	-.25555
1.550	4.243	.11138	-.04305	-.10891	-.01250	-.02345	479.16437	-.25465
	GRADIENT	00049	-.00101	-.02364	-.00256	-.00309	01219	.00010

LARC UPWT 1152(1A94A) OTSAT130

(SJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.13610	.03763	.21405	.03717	-.00529	478.56808	.32296
1.550	-6.344	-.12651	.03989	.14720	.02494	-.01435	478.52548	.30583
1.550	-4.207	-.12418	.04207	.08859	.01176	-.02440	478.48289	.29898
1.550	-2.049	-.12611	.04489	.03275	.00000	-.03208	478.44030	.29784
1.550	.019	-.12683	.04631	-.01384	-.01167	-.03462	478.39771	.29427
1.550	2.122	-.12911	.04823	-.06155	-.02213	-.03715	478.35512	.29675
1.550	4.229	-.12967	.04989	-.10430	-.03076	-.04099	478.35512	.29624
	GRADIENT	-.00066	.00090	-.02282	-.00509	-.00182	-.01619	-.00031

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LARC UPWT 1152(1A94A) OTSAT130

(SJK048) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.445	-.08790	.02384	.21618	.04018	-.00215	478.09956	.21142
1.550	-6.289	-.08158	.02610	.15161	.02698	-.01098	478.18475	.20008
1.550	-4.202	-.08066	.02781	.09433	.01486	-.02189	478.18475	.19639
1.550	-2.088	-.08133	.02905	.03975	.00309	-.02988	478.05697	.19316
1.550	.016	-.08259	.03027	-.01094	-.00778	-.03294	478.22734	.19283
1.550	2.164	-.08668	.03213	-.05839	-.01859	-.03567	478.69585	.19713
1.550	4.225	-.08604	.03354	-.10185	-.02707	-.03939	479.16437	.19707
	GRADIENT	-.00076	.00069	-.02324	-.00500	-.00193	12302	.00025

LARC UPWT 1152(1A94A) OTSAT130

(SJK049) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.437	-.00328	.00238	.21200	.04828	.00741	480.27177	.01242
1.550	-6.318	-.00420	.00292	.15178	.03668	-.00612	480.35696	.01422
1.550	-4.163	-.00409	.00269	.09398	.02509	-.01400	480.14400	.01304
1.550	-2.064	-.00532	.00278	.03767	.01563	-.02288	479.88844	.01364
1.550	.026	-.00677	.00292	-.00881	.00616	-.02724	479.80326	.01645
1.550	2.142	-.00791	.00278	-.05375	-.00327	-.03094	479.50511	.01762
1.550	4.241	-.00758	.00246	-.09847	-.00789	-.03532	479.20696	.01723
	GRADIENT	-.00046	-.00002	-.02267	-.00404	-.00241	-.10745	.00059

LARC UPWT 1152(1A94A) OTSAT130

(SJK050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	.07541	-0.1781	.21859	.04847	.01811	479.59029	-.17667
1.550	-6.335	.06763	-.01916	.15568	.04135	.00697	479.71807	-.16426
1.550	-4.166	.06790	-.02072	.09762	.03472	-.00176	479.63289	-.16154
1.550	-2.071	.06849	-.02211	.04030	.02666	-.00857	479.63289	-.15904
1.550	.031	.06974	-.02377	-.01016	.01860	-.01516	479.67548	-.15873
1.550	2.142	.07214	-.02544	-.05767	.01161	-.02190	479.63289	-.16145
1.550	4.237	.06993	-.02674	-.10011	.00498	-.02763	479.67548	-.15872
	GRADIENT	.00036	-.00073	-.02347	-.00355	-.00310	.00405	.00015

LARC UPWT 1152(1A94A) OTSAT130

(SJK051) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.431	.12033	-.03052	.21767	.05036	.02181	479.67548	-.27897
1.550	-6.312	.11148	-.03240	.15483	.04267	.01106	479.54770	-.26457
1.550	-4.184	.10776	-.03422	.09639	.03579	.00303	479.54770	-.25660
1.550	-2.080	.10747	-.03620	.04048	.02879	-.00122	479.67548	-.25273
1.550	.024	.10989	-.03863	-.01144	.02204	-.00766	479.59029	-.25148
1.550	2.125	.11100	-.04056	-.05854	.01505	-.01562	479.63289	-.25291
1.550	4.221	.10920	-.04217	-.10393	.00972	-.02282	479.59029	-.25044
	GRADIENT	.00031	-.00096	-.02378	-.00314	-.00315	.00203	.00058

LARC UPWT 1152(1A94A) OTSAT130

(SJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.453	-.13606	.03780	.22556	.03900	.02326	479.50511	.32424
1.550	-6.341	-.12592	.04005	.15641	.02702	.01538	479.54770	.30690
1.550	-4.222	-.12440	.04218	.09915	.01422	.00712	479.63289	.29875
1.550	-2.079	-.12422	.04431	.04356	.00284	-.00107	479.54770	.29422
1.550	.034	-.12750	.04675	-.00562	-.00946	-.00528	479.46252	.29690
1.550	2.107	-.12834	.04816	-.05269	-.01965	-.00850	479.46252	.29667
1.550	4.226	-.13060	.05025	-.09620	-.02863	-.01325	479.41993	.29910
	GRADIENT	-.00078	.00095	-.02310	-.00513	-.00229	-.02428	.00015

LARC UPWT 1152(1A94A) OTSAT130

(SJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	-.08945	.02426	.22747	.04151	.02600	479.24956	.21464
1.550	-6.323	-.08198	.02618	.16208	.02869	.01751	479.37733	.20232
1.550	-4.216	-.08095	.02795	.10316	.01660	.00819	479.29215	.19785
1.550	-2.057	-.08130	.02909	.04715	.00450	.00038	479.46252	.19370
1.550	.021	-.08335	.03070	-.00264	-.00582	-.00368	479.46252	.19531
1.550	2.140	-.08672	.03218	-.04890	-.01674	-.00720	479.46252	.19819
1.550	4.220	-.08612	.03362	-.09396	-.02510	-.01195	479.54770	.19746
	GRADIENT	-.00075	.00068	-.02328	-.00497	-.00227	.02432	.00017

LARC UPWT 1152(1A94A) OTSAT130

(SJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 83/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.460	-00186	.00194	.22476	.05126	.03603	478.99400	.00978
1.550	-6.346	-.00342	.00258	.16351	.03881	.02124	478.86622	.01266
1.550	-4.203	-00338	.00237	.10500	.02719	.01344	478.61067	.01174
1.550	-2.064	-.00459	.00245	.04840	.01794	.00615	478.39771	.01348
1.550	.023	-.00621	.00272	.00002	.00796	.00144	478.09956	.01546
1.550	2.119	-.00782	.00261	-.04441	-.00170	-.00307	478.09956	.01797
1.550	4.244	-00780	.00239	-.09068	-.00657	-.00891	477.97178	.01728
	GRADIENT	-00055	.00001	-.02297	-.00413	-.00256	-.07478	.00074

LARC UPWT 1152(1A94A) OTSAT130

(SJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.439	.07420	-.01744	.22787	.05192	.04736	479.50511	-.17458
1.550	-6.325	.06741	-.01941	.16311	.04362	.03387	479.50511	-.16378
1.550	-4.199	.06704	-.02060	.10683	.03650	.02682	479.63289	-.16023
1.550	-2.076	.06839	-.02238	.04903	.02843	.01977	479.71807	-.15958
1.550	.016	.07004	-.02412	-.00061	.02062	.01303	479.67548	-.15982
1.550	2.125	.07122	-.02540	-.04914	.01350	.00507	479.84585	-.15921
1.550	4.227	.06929	-.02665	-.09196	.00711	-.00176	479.89844	-.15786
	GRADIENT	.00035	-.00072	-.02355	-.00350	-.00341	.03036	.00024

LARC UPWT 1152(1A94A) OTSAT130

(SJK056) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.450	.11907	-.03046	.22739	.05414	.05294	479.76066	-.27820
1.550	-6.343	.11118	-.03280	.16418	.04547	.03997	479.93103	-.26521
1.550	-4.180	.10620	-.03392	.10563	.03766	.03179	479.97363	-.25428
1.550	-2.069	.10571	-.03587	.04749	.02984	.02627	480.01622	-.24933
1.550	.023	.10827	-.03813	-.00164	.02368	.02014	480.01622	-.24891
1.550	2.132	.11071	-.04053	-.05031	.01717	.01143	480.05881	-.25270
1.550	4.226	.10975	-.04246	-.09575	.01208	.00219	480.05881	-.25238
	GRADIENT	.00058	-.00103	-.02382	-.00304	-.00352	.01014	.00002

LARC UPWT 1152(1A94A) OTSAT130

(SJK057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.457	-.13509	.03736	.23156	.03902	.04753	479.24956	.32178
1.550	-6.336	-.12507	.03943	.16268	.02657	.03859	479.20696	.30400
1.550	-4.185	.12459	.04181	.10323	.01257	.02836	479.16437	.29960
1.550	-2.086	-.12501	.04430	.04930	.00214	.02055	479.12178	.29654
1.550	.003	-.12595	.04597	.00012	-.00947	.01623	479.20696	.29387
1.550	2.125	-.12899	.04814	-.04819	-.01978	.01266	479.16437	.29792
1.550	4.237	-.13131	.05016	-.09410	-.02913	.00713	479.20696	.30117
	GRADIENT	-.00083	.00098	-.02337	-.00500	-.00239	.00606	.00022

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(SJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.460	-0.08808	.02344	.23393	.04222	.04935	479.24956	.21174
1.550	-6.323	-.08232	.02599	.16863	.02917	.04025	479.33474	.20134
1.550	-4.190	-0.07924	.02713	.11096	.01660	.02948	479.46252	.19457
1.550	-2.078	-.08189	.02907	.05421	.00450	.02204	479.63289	.19653
1.550	.019	-.08263	.03030	.00333	-.00655	.01757	479.71807	.19418
1.550	2.129	-.08646	.03161	-.04408	-.01709	.01325	479.71807	.19700
1.550	4.232	-.08639	.03312	-.09024	-.02545	.00833	479.80326	.19735
	GRADIENT	-0.00090	.00069	-.02378	-.00502	-.00243	.03642	.00029

LARC UPWT 1152(1A94A) OTSAT130

(SJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 0.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.00244	.00192	.23003	.05237	.06076	480.78288	.01057
1.550	-6.302	-.00353	.00250	.16605	.03894	.04418	480.22918	.01279
1.550	-4.182	-.00430	.00242	.10802	.02675	.03451	480.14400	.01328
1.550	-2.073	-.00637	.00289	.05132	.01705	.02649	480.05881	.01650
1.550	.028	-.00639	.00250	.00168	.00746	.02188	479.93103	.01626
1.550	2.114	-.00811	.00253	-.04173	-.00230	.01718	479.97363	.01788
1.550	4.254	-.00796	.00216	-.08867	-.00776	.01060	479.93103	.01805
	GRADIENT	-.00043	-.00004	-.02310	-.00419	-.00271	-.02427	.00052

LARC UPWT 1152(1A94A) OTSAT130

(SJK060) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.445	.07500	-.01789	.23568	.05352	.07138	479.97363	-17622
1.550	-6.337	.06723	-.01944	.17171	.04499	.05828	480.05881	-.16289
1.550	-4.174	.06577	-.02051	.11191	.03705	.04873	480.14400	-.15878
1.550	-2.099	.06701	-.02209	.05725	.02911	.04093	480.22918	-.15772
1.550	.011	.06830	-.02383	.00526	.02059	.03253	480.27177	-.15669
1.550	2.126	.07169	-.02596	-.04379	.01313	.02337	480.31437	-.16094
1.550	4.217	.06802	-.02648	-.08720	.00651	.01580	480.52733	-.15607
	GRADIENT	.00044	-.00075	-.02376	-.00367	-.00397	.04054	.00010

LARC UPWT 1152(1A94A) OTSAT130

(SJK061) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	.12013	-.03096	.23575	.05582	.07681	480.56992	-.28006
1.550	-6.324	.11080	-.03297	.17179	.04624	.06442	480.56992	-.26443
1.550	-4.193	.10621	-.03432	.11358	.03796	.05556	480.61251	-.25505
1.550	-2.069	.10637	-.03655	.05630	.02992	.04816	480.56992	-.25245
1.550	.008	.10862	-.03891	.00516	.02341	.04127	480.74029	-.25097
1.550	2.111	.11039	-.04106	-.04406	.01655	.03015	480.86807	-.25368
1.550	4.227	.10853	-.04237	-.09179	.01135	.01889	480.78288	-.24983
	GRADIENT	.00041	-.00098	-.02432	-.00317	-.00435	.03033	.00044

LARC UPWT 1152(1A94A) OTSAT129

(TJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.461	2.00038	-.98015	-6.29119	-.54330	.55431	-.06904	-.01026	-.00544
1.550	-6.341	2.00020	-.77976	-6.27863	-.40343	.51738	-.04877	-.00634	-.00492
1.550	-4.203	2.00073	-.55552	-6.27209	-.27082	.48752	-.02337	-.00178	-.00288
1.550	-2.111	2.00073	-.30459	-6.27035	-.14340	.47080	.00140	.00298	-.00078
1.550	.004	2.00109	-.05952	-6.26752	-.02759	.46348	.02615	.00743	.00171
1.550	2.119	2.00091	.17844	-6.26898	.08309	.46563	.04726	.01113	.00427
1.550	4.215	2.00056	.39972	-6.26655	.18862	.47188	.06376	.01426	.00512
	GRADIENT	-.00001	.11362	.00059	.05437	-.00173	.01045	.00191	.00100

RUN NO 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.750	1.99897	-.99514	-6.27465	-.48836	.49075	-.03606	-.00588	-.00652
2.000	-5.638	1.99807	-.80184	-6.26748	-.36343	.45325	-.02141	-.00356	-.00586
2.000	-3.527	1.99852	-.57634	-6.26470	-.24636	.42746	-.00616	-.00061	-.00480
2.000	-1.423	1.99852	-.32661	-6.26076	-.13429	.41118	.01685	.00329	-.00302
2.000	.673	1.99822	-.06862	-6.25316	-.02780	.40515	.03626	.00688	-.00203
2.000	2.766	1.99761	.17832	-6.25163	.07225	.40520	.05284	.00984	-.00056
2.000	4.868	1.99761	.41928	-6.24963	.17237	.41111	.07002	.01277	.00212
	GRADIENT	-.00013	.11898	.00187	.04976	-.00184	.00898	.00159	.00078

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LARC UPWT 1152(1A94A) OTSAT129

(TJK002) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 4/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.459	2.00038	-.97201	-4.18187	-.54063	.55620	-.06729	-.01008	-.00652
1.550	-6.338	2.00073	-.77740	-4.17238	-.40042	.51508	-.04381	-.00578	-.00576
1.550	-4.208	2.00109	-.55949	-4.16681	-.27090	.48420	-.01964	-.00121	-.00455
1.550	-2.097	2.00091	-.30595	-4.16533	-.14289	.46705	.00704	.00384	-.00274
1.550	.014	2.00109	-.05695	-4.16268	-.02614	.45893	.03175	.00839	-.00033
1.550	2.120	2.00162	.18511	-4.16309	.08529	.46079	.05551	.01230	.00279
1.550	4.217	2.00127	.39861	-4.16561	.18674	.46847	.07317	.01549	.00453
	GRADIENT	.00005	.11427	.00022	.05428	-.00179	.01111	.00199	.00112

RUN NO 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.746	1.99731	-.98896	-4.17633	-.48361	.48901	-.03135	-.00546	-.00637
2.000	-5.637	1.99746	-.80033	-4.17017	-.36105	.45113	-.01902	-.00323	-.00605
2.000	-3.524	1.99776	-.57077	-4.16635	-.24227	.42446	-.00349	-.00027	-.00590
2.000	-1.400	1.99761	-.32312	-4.16370	-.13208	.40874	.01775	.00351	-.00463
2.000	.668	1.99761	-.07581	-4.16209	-.03054	.40290	.03760	.00707	-.00337
2.000	2.776	1.99761	.18180	-4.16043	.07321	.40267	.06072	.01067	-.00003
2.000	4.859	1.99746	.41481	-4.15818	.17016	.41021	.07504	.01356	.00239
	GRADIENT	-.00003	.11824	.00094	.04919	-.00165	.00955	.00166	.00101

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSA*129

(TJK003) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 2/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.447	1.99913	-.95510	-.01520	-.52785	.55266	-.06323	-.00914	-.00836
1.550	-6.320	1.99896	-.76556	-.01270	-.39059	.51021	-.04063	-.00510	-.00757
1.550	-4.183	1.99949	-.54614	-.01487	-.26189	.47954	-.01619	-.00057	-.00711
1.550	-2.099	1.99913	-.29894	-.01222	-.13878	.46423	.01168	.00473	-.00629
1.550	.019	1.99931	-.04408	-.01246	-.02025	.45925	.04194	.00989	-.00360
1.550	2.123	1.99913	.18004	-.01383	.08270	.45933	.06839	.01439	-.00038
1.550	4.230	1.99896	.39918	-.01399	.18579	.46544	.08968	.01811	.00312
	GRADIENT	-.00005	.11258	.00001	.05306	-.00157	.01275	.00223	.00125

RUN NO. 7/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.740	1.99852	-.98588	-.01090	-.47915	.48602	-.02937	-.00481	-.00880
2.000	-5.615	1.99746	-.78693	-.01315	-.35131	.44643	-.01263	-.00217	-.00734
2.000	-3.515	1.99701	-.57067	-.01257	-.24013	.42079	.00426	.00047	-.00638
2.000	-1.412	1.99656	-.33162	-.01279	-.13466	.40607	.02205	.00355	-.00575
2.000	.683	1.99520	-.07629	-.01544	-.03053	.40015	.03978	.00695	-.00532
2.000	2.778	1.99490	.17291	-.01456	.06890	.39848	.05883	.01043	-.00456
2.000	4.861	1.99370	.41620	-.01404	.16795	.40354	.07889	.01408	-.00237
	GRADIENT	-.00040	.11834	-.00023	.04869	-.00201	.00888	.00163	.00044

LARC UPWT 1152(1A94A) OTSAT129

(TJK004) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = .000
 ELV-LO = .000 ELV RI = .000
 ELV-RO = 000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00127	- 97223	4 16329	- .53818	.55356	- .05262	- .00814	- .01039
1.550	-6.331	2.00091	- 77320	4.15566	- .32662	.51296	- .02955	- .00426	- .00946
1.550	-4.222	2.00127	- .55664	4.15156	- 26910	.48344	- .00434	.00020	- .00841
1.550	-2.087	2.00109	- .30565	4 14776	- 14161	.46331	.02669	.00562	- .00703
1.550	.024	2.00109	- .05264	4 14484	- 02391	.45427	.05755	.01082	- .00492
1.550	2.115	1.99967	.19221	4 14231	.08742	.45481	.08502	.01572	- .00237
1.550	4.215	1.99896	.39918	4 14370	.18470	.46270	.10449	.01971	.00035
	GRADIENT	- .00029	.11433	- .00101	.05394	- .00238	.01310	.00233	.00105

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.740	1.99746	- .97340	4.15883	- 47606	.48907	- .02122	- .00402	- .00903
2.000	-5.630	1.99761	- .78029	4.15157	- 35206	.45119	- .00374	- .00137	- .00837
2.000	-3.516	1.99742	- .55457	4 14687	- 23478	.42335	.01091	.00105	- .00787
2.000	-1.409	1.99761	- .31862	4.14150	- 12974	.40721	.02600	.00362	- .00749
2.000	.686	1.99761	- .06430	4.13891	- .02581	.40137	.04476	.00666	- .00683
2.000	2.761	1.99761	.18343	4.13458	.07331	.39966	.05977	.00963	- .00680
2.000	4.859	1.99761	.42543	4 13140	.17325	.40724	.07817	.01301	- .00558
	GRADIENT	.00001	.11769	- .00181	.04872	- .00190	.00804	.00143	.00025

LARC UPWT 1152(1A94A) OTSAT129

(TJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 6/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DO	BETA	CLU	CCU	CNW	CBW	CTW
1.550	-8.452	2.00073	- .98224	6.24952	-.54018	.54995	-.05290	-.00797	-.01137
1.550	-6.335	2.00109	-.77726	6.23970	-.39907	.51343	-.02991	-.00394	-.01033
1.550	-4.197	2.00251	-.55228	6.23298	-.26745	.48426	-.00558	.00038	-.00940
1.550	-2.078	2.00269	-.30227	6.22612	-.14031	.46419	.02506	.00578	-.00841
1.550	.023	2.00251	-.05241	6.22485	-.02387	.45536	.05815	.01120	-.00598
1.550	2.114	2.00287	.18249	6.22317	.08328	.45634	.08742	.01607	-.00325
1.550	4.214	2.00322	.40315	6.22318	.18558	.46281	.11008	.02021	-.00033
	GRADIENT	.00008	.11401	-.00107	.05386	-.00242	.01398	.00238	.00111

RUN NO. 11/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DO	BETA	CLU	CCU	CNW	CBW	CTW
2.000	-7.740	1.99761	-.98144	6.24168	-.47859	.48764	-.02267	-.00409	-.01067
2.000	-5.642	1.99807	-.79030	6.23384	-.35541	.44572	-.00555	-.00151	-.01032
2.000	-3.507	1.99746	-.56981	6.22558	-.24065	.42233	.00982	.00112	-.00928
2.000	-1.407	1.99776	-.31159	6.22123	-.12632	.40541	.02524	.00382	-.00852
2.000	.683	1.99822	-.05698	6.21428	-.02271	.39855	.04085	.00654	-.00847
2.000	2.766	1.99751	.19225	6.21206	.07658	.39833	.05811	.00964	-.00789
2.000	4.863	1.99792	.43274	6.20771	.17570	.40603	.07647	.01302	-.00652
	GRADIENT	.00004	.11997	-.00215	.04952	-.00190	.00795	.00142	.00029

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(TJK006) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 1/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-4.423	1.99398	-.57788	-.00221	-.27918	.48311	-.02863	-.00170	-.00846
1.550	-2.286	1.99416	-.32695	-.00057	-.15227	.46572	-.00021	.00367	-.00761
1.550	-.158	1.99505	-.06621	-.00073	-.03045	.45988	.03053	.00905	-.00490
1.550	1.936	1.99451	.16795	-.00332	.07717	.45950	.05831	.01372	-.00122
1.550	4.038	1.99487	.38011	-.00060	.17643	.46416	.08008	.01751	.00239
1.550	6.165	1.99505	.58883	-.00251	.28234	.47949	.10091	.02069	.00663
1.550	8.230	1.99558	.75273	-.00276	.37724	.50117	.11428	.02296	.00924
	GRADIENT	.00010	.11404	.00002	.05396	-.00209	.01305	.00229	.00133

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-5.053	1.99822	-.74273	-.00340	-.32235	.43401	-.01800	-.00212	-.00928
2.000	-2.944	1.99822	-.51561	-.00316	-.21254	.41221	-.00156	.00062	-.00859
2.000	-.839	1.99852	-.26539	-.00296	-.10632	.40061	.01710	.00389	-.00790
2.000	1.264	1.99852	-.01243	-.00587	-.00493	.39659	.03483	.00726	-.00761
2.000	3.364	1.99867	.23309	-.00510	.09280	.39811	.05558	.01082	-.00620
2.000	5.478	1.99882	.49287	-.00454	.20072	.40724	.07542	.01468	-.00390
2.000	7.560	1.99837	.71241	-.00527	.30896	.43368	.09292	.01824	-.00159
	GRADIENT	.00006	.11885	-.00042	.04839	-.00220	.00900	.00162	.00035

LARC UPWT 1152(1A94A) OTSAT130

(TJK007) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	1.99753	-.97737	-6.28826	-.53761	.55005	-.07549	-.01066	-.00511
1.550	-6.337	1.99825	-.77802	-6.27973	-.40037	.51460	-.05518	-.00679	-.00444
1.550	-4.221	1.99896	-.55372	-6.27188	-.26888	.48558	-.03290	-.00237	-.00309
1.550	-2.094	1.99913	-.30469	-6.26741	-.14269	.46830	-.00808	.00234	-.00098
1.550	.016	1.99949	-.04658	-6.26447	-.02148	.46104	.01681	.00689	.00101
1.550	2.110	1.99985	.18134	-6.26436	.08421	.46438	.03713	.01062	.00298
1.550	4.224	1.99949	.40991	-6.26195	.19298	.47079	.05524	.01394	.00474
	GRADIENT	00008	.11441	.00109	.05455	-.00159	.01050	.00194	.00093

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.725	1.99837	-.98130	-6.27433	-.47829	.48740	-.04250	-.00604	-.00636
2.000	-5.632	1.99852	-.78867	-6.26687	-.35630	.45177	-.03108	-.00382	-.00627
2.000	-3.497	1.99792	-.55961	-6.26093	-.23756	.42451	-.01380	-.00082	-.00547
2.000	-1.394	1.99792	-.30977	-6.25750	-.12684	.40947	.00786	.00295	-.00387
2.000	.680	1.99837	-.05829	-6.25359	-.02355	.40396	.02584	.00635	-.00276
2.000	2.776	1.99807	.19057	-6.25137	.07713	.40471	.04093	.00934	-.00137
2.000	4.873	1.99807	.43549	-6.24770	.17875	.41046	.06041	.01233	.00180
	GRADIENT	00002	.11911	.00156	.04957	-.00157	.00868	.00156	.00082

LARC UPWT 1152(1A94A) OTSAT130

(TJK008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	1.99860	-.97268	-4.17616	-.53726	.55235	-.07555	-.01055	-.00649
1.550	-6.325	1.99896	-.77684	-4.16921	-.39772	.51198	-.05335	-.00642	-.00597
1.550	-4.207	1.99913	-.55717	-4.16485	-.26893	.48266	-.02863	-.00186	-.00485
1.550	-2.076	1.99931	-.30347	-4.16118	-.14127	.46550	-.00067	.00336	-.00252
1.550	.020	1.99878	-.04786	-4.15884	-.02194	.45837	.02543	.00826	-.00018
1.550	2.122	1.99913	.19156	-4.15996	.08824	.46063	.04658	01206	.00215
1.550	4.225	1.99860	.41021	-4.16151	.19212	.46835	.06597	.01541	.00452
	GRADIENT	-.00006	.11537	.00038	.05468	-.00160	.01123	.00205	.00111

RUN NO 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.722	1.99822	-.98004	-4.17251	-.47658	.48629	-.04041	-.00588	-.00691
2.000	-5.615	1.99822	-.78233	-4.16515	-.35100	.44867	-.02673	-.00341	-.00651
2.000	-3.514	1.99922	-.55536	-4.16071	-.23480	.42279	-.01034	-.00047	-.00592
2.000	-1.389	1.99857	-.30736	-4.15992	-.12527	.40758	.01003	00325	-.00493
2.000	.700	1.99807	-.05294	-4.15740	-.02121	.40060	.03117	00693	-.00322
2.000	2.772	1.99822	.19032	-4.15518	.07656	.40226	.05289	01052	-.00015
2.000	4.864	1.99807	.42643	-4.15245	.17481	.40993	.06689	.01334	.00182
	GRADIENT	-.00002	.11767	.00102	.04882	-.00149	.00943	.00167	.00097

LARC UPWT 1152(1A94A) OTSAT130

(TJK009) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	1.99558	-.95579	-.01303	-.52198	.54613	-.06693	-.00924	-.00783
1.550	-6.298	1.99896	-.76628	-.01231	-.38554	.50313	-.04507	-.00531	-.00723
1.550	-4.208	1.98731	-.54546	-.01123	-.25989	.47644	-.01816	-.00057	-.00604
1.550	-2.066	1.96882	-.28423	-.01173	-.13136	.46216	.01167	.00491	-.00470
1.550	.039	2.00002	-.03811	-.01247	-.01743	.45728	.03969	.00992	-.00274
1.550	2.120	2.00144	.18884	-.01486	.08624	.45666	.06738	.01450	.00087
1.550	4.229	1.99949	.41240	-.01289	.19091	.46292	.08788	.01815	.00408
	GRADIENT	.00214	.11344	-.00031	.05315	-.00155	.01272	.00223	.00122

RUN NO 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.727	2.00018	-.97188	-.01240	-.47087	.48450	-.03175	-.00487	-.00734
2.000	-5.618	1.99837	-.77412	-.01255	-.34561	.44645	-.01767	-.00245	-.00668
2.000	-3.506	1.99682	-.56065	-.01299	-.23638	.42161	-.00129	.00022	-.00570
2.000	-1.412	1.99822	-.32364	-.01387	-.13146	.40620	.01692	.00332	-.00489
2.000	.690	2.00002	-.06492	-.01378	-.02592	.39932	.03651	.00675	-.00436
2.000	2.762	1.99942	.17491	-.01487	.06986	.39941	.05286	.00992	-.00416
2.000	4.871	1.99882	.42584	-.01498	.17237	.40477	.07260	.01351	-.00271
	GRADIENT	.00006	.11810	-.00024	.04868	-.00193	.00878	.00159	.00032

LARC UPWT 1152(1A94A) OTSAT130

(TJK010) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.449	1.99931	-.97028	4.13957	-.53495	.55134	-.05870	-.00850	-.00954
1.550	-6.308	1.99985	-.76688	4.13347	-.39198	.51114	-.03737	-.00482	-.00889
1.550	-4.149	1.99949	-.53559	4.12741	-.25764	.48104	-.01112	-.00016	-.00820
1.550	-2.079	2.00002	-.29228	4.12499	-.13526	.46276	.01813	.00511	-.00711
1.550	.028	1.99967	-.04367	4.12332	-.01989	.45532	.05132	.01045	-.00467
1.550	2.127	1.99967	.19342	4.12235	.08811	.45552	.07652	.01512	-.00250
1.550	4.228	2.00056	.41829	4.12303	.19392	.46360	.09684	.01927	.00014
	GRADIENT	.00009	.11419	-.00054	.05374	-.00200	.01309	.00233	.00102

RUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.717	1.99837	-.95772	4.15364	-.46489	.48541	-.02618	-.00431	-.00857
2.000	-5.614	1.99822	-.76697	4.14661	-.34342	.44776	-.01013	-.00176	-.00796
2.000	-3.506	1.99837	-.54442	4.14258	-.22970	.42192	.00449	.00066	-.00739
2.000	-1.395	1.99792	-.30224	4.13992	-.12300	.40696	.02134	.00341	-.00652
2.000	.683	1.99822	-.05138	4.13501	-.02060	.40090	.03740	.00628	-.00652
2.000	2.790	1.99822	.19908	4.13271	.07966	.40015	.05430	.00934	-.00633
2.000	4.875	1.99852	.43728	4.12927	.17821	.40754	.07277	.01263	-.00523
	GRADIENT	.00003	.11766	-.00161	.04862	-.00170	.00809	.00143	.00022

LARC UPWT 1152(1A94A) DTSAT130

(TJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA * 6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00020	-.98005	6.24679	-.53726	.54820	- .05980	- .00833	-.01088
1.550	-6.351	1.99985	-.77453	6.23773	-.39691	.51246	- .03675	- .00435	-.00997
1.550	-4.221	1.99985	-.55247	6.23052	-.26724	.48372	- .01322	- .00012	-.00940
1.550	-2.103	1.99985	-.30839	6.22394	-.14321	.46437	.01524	.00505	-.00880
1.550	.016	2.00020	-.04746	6.22098	-.02162	.45545	.04882	.01051	-.00626
1.550	.2119	2.00056	.19429	6.22020	.08876	.45683	.07993	.01557	-.00325
1.550	.4216	2.00038	.41580	6.21877	.19267	.46336	.10165	.01969	-.00019
	GRADIENT	00008	.11563	-.00129	.05460	-.00229	.01396	.00238	.00114

PUN NO 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.699	1.99912	-.96576	6.23495	-.46748	.48406	- .03040	- .00451	-.01066
2.000	-5.649	1.99927	-.78156	6.22960	-.35094	.44902	- .01399	- .00186	-.00974
2.000	-3.520	1.99927	-.55038	6.22147	-.23153	.42067	.00236	.00083	-.00876
2.000	-1.400	1.99927	-.29390	6.21711	-.11889	.40452	.01788	.00349	-.00828
2.000	.693	1.99912	-.04401	6.21282	-.01754	.39846	.03474	.00637	-.00771
2.000	2.774	1.99867	.20309	6.20893	.08103	.39899	.05072	.00921	-.00743
2.000	4.875	1.99912	.44968	6.20535	.18317	.40734	.07101	.01270	-.00611
	GRADIENT	- .00004	.11912	-.00193	.04910	-.00154	.00812	.00141	.00029

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LARC UPWT 1152(1A94A) OTSAT130

(TJK012) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.746	1.99852	-1.00600	-6.27919	-.49157	.48864	-.04899	-.00726	-.00454
2.000	-5.612	1.99761	-.80244	-6.26921	-.36276	.45206	-.03624	-.00483	-.00429
2.000	-3.525	1.99731	-.58299	-6.26375	-.24835	.42599	-.02028	-.00202	-.00373
2.000	-1.428	1.99656	-.34432	-6.26113	-.14148	.41089	.00096	.00163	-.00215
2.000	.689	1.99671	-.07877	-6.25686	-.03191	.40511	.01849	.00513	-.00125
2.000	2.770	1.99611	.16793	-6.25401	.06800	.40492	.03364	.00816	.00000
2.000	4.859	1.99611	.40349	-6.25181	.16578	.41085	.05319	.01109	.00311
	GRADIENT	-.00014	.11854	.00148	.04950	-.00173	.00857	.00156	.00075

LARC UPWT 1152(1A94A) OTSAT130

(TJK013) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.724	1.99535	-1.00094	-4.17426	-.48874	.48828	-.04781	-.00711	-.00561
2.000	-5.636	1.99716	-.81013	-4.16811	-.36554	.45121	-.03498	-.00472	-.00535
2.000	-3.516	2.00093	-.58483	-4.16508	-.24821	.42441	-.01899	-.00183	-.00479
2.000	-1.425	2.00259	-.34793	-4.16297	-.14230	.40897	.00138	.00182	-.00379
2.000	.668	2.00289	-.08905	-4.16052	-.03582	.40227	.02116	.00544	-.00255
2.000	2.771	2.00048	.16440	-4.15770	.06628	.40313	.04469	.00922	.00087
2.000	4.857	1.99656	.30870	-4.15543	.16378	.41078	.05926	.01205	.00288
	GRADIENT	-.00052	.11839	.00117	.04931	-.00158	.00954	.00168	.00096

LARC UPWT 1152(1A94A) OTSAT130

(TJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.731	2.00349	-.99287	-.01432	- 47960	.48305	- 0.3822	-.00613	-.00530
2.000	-5.639	2.00108	-.80661	-.01541	- 35960	.44582	-.02285	-.00359	-.00425
2.000	-3.526	1.99566	-.58531	-.01435	-.24575	.41987	- 00603	-.00086	-.00332
2.000	-1.414	1.99366	- 34725	-.01572	- 14067	.40509	.01088	.00206	- 00275
2.000	.680	1.99520	-.09710	- 01504	-.03874	.39896	.03054	.00550	-.00222
2.000	2.768	1.99309	.16004	-.01577	06386	.39903	.04651	00877	-.00223
2.000	4.871	1.99189	.40062	-.01661	16209	.40458	.06594	01215	-.00077
	GRADIENT	- 00048	11819	- 00022	04864	- 00175	.00856	.00156	.00027

LARC UPWT 1152(1A94A) OTSAT130

(TJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.742	2.00093	- 98614	4.15225	- 48176	.48853	-.03477	- 00569	- 00757
2.000	-5.642	2.00078	-.79749	4.14603	-.35989	.45128	- 01873	- 00305	-.00712
2.000	-3.480	2.00123	-.57678	4.14205	-.24482	.42446	-.00365	-.00059	-.00651
2.000	-1.400	2.00153	- 34299	4.13833	- 14028	.40899	.01229	00203	-.00577
2.000	.694	2.00093	-.08328	4.13556	-.03353	.40264	02881	00499	-.00582
2.000	2.805	2.00198	.16941	4.13069	06814	.40223	.04656	.00810	-.00541
2.000	4.872	2.00138	.40818	4.12828	.16693	.40872	.06368	01119	- 00441
	GRADIENT	.00004	.11872	-.00168	04934	- 00183	00808	00142	.00022

LARC UPWT 1152(1A94A) OTSAT130

(TJK016) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.755	2.00123	-.99573	6.23668	-.48684	.48892	-.03897	-.00582	-.00981
2.000	-5.611	2.00138	-.80266	6.22839	-.36232	.45139	-.02203	-.00310	-.00914
2.000	-3.490	2.00198	-.57800	6.22324	-.24472	.42339	-.00660	-.00049	-.00830
2.000	-1.406	2.00153	-.33173	6.21806	-.13507	.40716	.00886	.00214	-.00761
2.000	.677	2.00213	-.08705	6.21386	-.03492	.40122	.02436	.00485	-.00728
2.000	2.776	2.00183	.16941	6.20940	.06792	.40094	.04214	.00790	-.00679
2.000	4.876	2.00259	.41130	6.20730	.16813	.40876	.06061	.01116	-.00576
	GRADIENT	.00007	.11857	-.00194	.04919	-.00169	.00802	.00139	.00028

LARC UPWT 1152(1A94A) OTSAT130

(TJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	1.99576	-.94690	-6.29246	-.52371	.55308	-.05932	-.00992	-.00597
1.550	-6.335	1.99558	-.73093	-6.28264	-.37717	.51602	-.03728	-.00575	-.00504
1.550	-4.192	1.99522	-.49842	-6.27202	-.24284	.48721	-.01407	-.00126	-.00361
1.550	-2.091	1.99718	-.25075	-6.26969	-.11814	.47114	.00905	.00322	-.00197
1.550	.022	2.00216	.00275	-6.26632	.00128	.46489	.03432	.00781	.00006
1.550	2.129	2.00287	.23143	-6.26584	.10834	.46815	.05502	.01160	.00207
1.550	4.223	2.00233	.45276	-6.26434	.21499	.47484	.07227	.01489	.00340
	GRADIENT	.00095	.11328	.00091	.05426	-.00132	.01039	.00193	.00086

LARC UPWT 1152(1A94A) OTSAT130

(TJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO 34/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.748	1.99340	-.97243	-6.27373	-.47676	.49028	-.02656	-.00534	-.00776
2.000	-5.631	1.99430	-.77822	-6.26759	-.35302	.45363	-.01430	-.00304	-.00725
2.000	-3.526	1.99897	-.55597	-6.26197	-.23798	.42804	00119	-.00026	-.00663
2.000	-1.431	1.99897	-.31132	-6.25899	-.12826	.41200	02195	.00336	-.00523
2.000	.676	1.99957	-.05732	-6.25407	-.02327	.40599	03853	.00678	-.00453
2.000	2.779	1.99897	.19586	-6.25253	.07974	.40711	.05404	00981	-.00296
2.000	4.864	1.99912	.42714	-6.25125	.17637	.41290	.07264	.01265	00001
	GRADIENT	00001	.11784	.00133	.04939	-.00168	.00834	00154	.00074

LARC UPWT 1152(1A94A) OTSAT130

(TJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	2.00304	-.93316	-4.20424	-.51703	.55406	-.05582	-.00953	-.00749
1.550	-6.332	2.00251	-.72409	-4.19180	-.37296	.51508	-.03282	-.00524	-.00698
1.550	-4.220	2.00213	-.50727	-4.18701	-.24725	.48742	-.00951	-.00080	-.00611
1.550	-2.089	2.00216	-.25989	-4.18407	-.12187	.46893	01799	00434	-.00401
1.550	.019	2.00304	-.00245	-4.18186	-.00113	.46205	.04267	00914	-.00199
1.550	2.128	2.00269	.23554	-4.18336	.10947	.46474	.06546	.01308	.00104
1.550	4.235	2.00304	.45413	-4.18446	.21484	.47307	.08345	.01845	.00286
	GRADIENT	.00011	.11447	.00028	.05470	-.00156	01105	00205	.00109

LARC UPWT 1152(1A94A) OTSAT130

(TJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.732	1.99822	-.97364	-4.19305	-.47685	.48976	-.02390	-.00507	-.00848
2.000	-5.653	1.99897	-.77718	-4.18379	-.35197	.45288	-.01116	-.00257	-.00815
2.000	-3.521	1.99927	-.55399	-4.18265	-.23633	.42660	.00332	.00009	-.00763
2.000	-1.413	1.93897	-.30900	-4.18031	-.12689	.41067	.02368	.00372	-.00656
2.000	.686	1.99897	-.05513	-4.17767	-.02229	.40424	.04305	.00726	-.00541
2.000	2.786	1.99942	.19545	-4.17399	.07918	.40512	.06521	.01089	-.00230
2.000	4.872	1.99987	.42428	-4.17242	.17526	.41307	.07872	.01366	-.00044
	GRADIENT	00008	.11728	.00128	04905	-.00156	00917	00164	.00089

LARC UPWT 1152(1A94A) OTSAT130

(TJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.415	1.99985	-.90119	-.01690	-.49653	.55097	-.04636	-.00791	-.00886
1.550	-6.310	1.99913	-.70957	-.01557	-.36281	.51132	-.02512	-.00404	-.00831
1.550	-4.194	1.99860	-.49366	-.01333	-.23844	.48301	.00063	.00049	-.00744
1.550	-2.082	1.99825	-.24257	-.01363	-.11336	.46734	.02932	.00579	-.00611
1.550	.028	1.99771	.00742	-.01600	.00342	.46094	.05690	.01079	-.00399
1.550	2.123	1.99825	.23410	-.01464	.10816	.46202	.08509	.01535	-.00025
1.550	4.227	1.99718	.44728	-.01547	.20978	.46902	.10550	.01902	.00317
	GRADIENT	-.00014	.11207	-.00025	.05312	-.00158	.01262	00222	.00129

LARC UPWT 1152(1A94A) OTSAT130

(TJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.716	2.00289	-.95192	-.01164	-.46521	.48871	-.01866	-.00412	-.01056
2.000	-5.616	2.00244	-.76949	-.01164	-.34691	.45084	-.00331	-.00160	-.00936
2.000	-3.519	1.99686	-.55509	-.01372	-.23623	.42557	.01343	.00105	-.00800
2.000	-1.415	1.99596	-.32196	-.01266	-.13220	.41060	.03122	.00402	-.00722
2.000	.689	1.99746	-.06170	-.01330	-.02496	.40454	.05122	.00749	-.00650
2.000	2.770	1.99776	.18129	-.01479	.07328	.40423	.06623	.01052	-.00662
2.000	4.867	1.99761	.42205	-.01318	.17311	.41016	.08552	.01389	-.00502
	GRADIENT	.00016	.11727	-.00005	.04887	-.00178	.00855	.00154	.00031

LARC UPWT 1152(1A94A) OTSAT130

(TJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.452	2.00642	-.92973	4.15724	- 51608	.55509	-.03717	- 00717	-.01210
1.550	-6.337	2.00696	-.73043	4.14995	- 37725	.51648	-.01724	-.00365	-.01182
1.550	-4.196	2.00642	-.50626	4.14544	-.24623	.48638	.00615	.00067	-.01134
1.550	-2.078	2.00624	-.25793	4.14130	- 12056	.46739	.03703	.00609	-.00982
1.550	.028	2.00660	-.00782	4.14120	- 00359	.45966	.06866	.01122	-.00734
1.550	2.132	2.00660	.22723	4.13976	10464	.46048	.09460	.01597	- 00490
1.550	4.230	2.00624	.44269	4.13930	.20724	.46813	.11399	.02007	-.00241
	GRADIENT	.00000	.11315	-.00066	.05376	-.00207	.01298	.00231	.00108

LARC UPWT 1152(1A94A) OTSAT130

(TJK020) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.744	1.99972	-.95871	4.15294	-.46848	.48866	-.07886	-.00334	-.01145
2.000	-5.619	1.99972	-.76135	4.14632	-.34397	.45178	.00666	-.00074	-.01089
2.000	-3.505	1.99957	-.53828	4.14284	-.22955	.42645	.02124	.00167	-.01024
2.000	-1.420	1.99972	-.30174	4.13954	-.12402	.41102	.03669	.00428	-.00954
2.000	.681	1.99942	-.05213	4.13518	-.02109	.40449	.05277	.00710	-.00960
2.000	2.770	1.99957	.20236	4.13152	.08177	.40408	.06871	.01003	-.00947
2.000	4.870	2.00018	.44744	4.13009	.18414	.41154	.08662	.01325	-.00819
	GRADIENT	.00005	.11822	-.00160	.04934	-.00175	.00777	.00138	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK021) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.442	2.00660	-.93693	6.26419	-.51524	.54992	-.03771	-.00694	-.01382
1.550	-6.319	2.00642	-.73272	6.25568	-.37663	.51401	-.01565	-.00310	-.01304
1.550	-4.201	2.00553	-.50838	6.24938	-.24664	.48514	.00821	.00119	-.01244
1.550	-2.085	2.00553	-.26686	6.24412	-.12463	.46702	.03512	.00609	-.01157
1.550	.022	2.00553	.00245	6.24014	.00112	.45874	.06853	.01166	-.00905
1.550	2.123	2.00518	.23524	6.23907	.10832	.46045	.09770	.01656	-.00612
1.550	4.231	2.00500	.45428	6.23774	.21259	.46797	.11940	.02070	-.00328
	GRADIENT	-.00007	.11520	-.00134	.05464	-.00194	.01352	.00235	.00113

LARC UPWT 1152(1A94A) OTSAT130

(TJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.729	1.99972	-.95609	6.23696	-4.6505	.48642	-0.01076	-.00320	-.01352
2.000	-5.638	1.99972	-.77515	6.22905	-3.4926	.45057	0.00391	-.00076	-.01288
2.000	-3.518	1.99957	-.54415	6.22179	-.23073	.42402	.01921	.00180	-0.01189
2.000	-1.409	1.99912	-.29207	6.21755	-.11912	.40783	.03378	.00438	-.01148
2.000	.679	2.00002	-.04475	6.21313	-.01796	.40125	.04880	.00705	-.01118
2.000	2.773	1.99987	.21618	6.20842	.08684	.40172	.05522	.00997	-.01093
2.000	4.871	2.00018	.44961	6.20551	.18438	.41010	.08365	.01317	-.00957
	GRADIENT	00009	11907	-0.0199	04944	-.00162	00765	00135	00024

LARC UPWT 1152(1A94A) OTSAT130

(TJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	2.00038	-.92831	-6.28832	-.51172	.55124	-.06462	-.00878	-.01054
1.550	-6.337	2.00038	-.71589	-6.27661	-.36886	.51525	-.04353	-.00477	-.00956
1.550	-4.207	2.00020	-.48447	-6.27075	-.23612	.48739	-.02133	-.00042	-.00817
1.550	-2.061	1.99985	-.23414	-6.26682	-.11027	.47095	.00213	.00418	-.00638
1.550	.037	1.99949	.01392	-6.26156	.00648	.46546	.02741	.00869	-.00405
1.550	2.136	1.99949	.24477	-6.26344	.11472	.46869	.04774	.01241	-.00214
1.550	4.223	1.99967	.45622	-6.26187	.21766	.47709	.06536	.01560	-.00026
	GRADIENT	-00007	11210	00101	.05379	-00110	.01040	.00191	00095

LARC UPWT 1152(1A94A) OTSAT130

(TJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.717	1.99656	-.91771	-6.27185	-.44688	.48695	-.03370	-.00463	-.00958
2.000	-5.601	1.99611	-.72250	-6.26387	-.32675	.45226	-.02234	-.00246	-.00928
2.000	-3.513	1.99596	-.49869	-6.25939	-.21313	.42738	-.00638	.00038	-.00872
2.000	-1.417	1.99566	-.25495	-6.25491	-.10500	.41186	.01570	.00421	-.00694
2.000	.694	1.99731	.00010	-6.25090	.00004	.40719	.03054	.00747	-.00674
2.000	2.785	1.99807	.24342	-6.24850	.09950	.40877	.04786	.01054	-.00471
2.000	4.886	1.99882	.47784	-6.24806	.19874	.41591	.06547	.01337	-.00176
	GRADIENT	00039	.11674	.00138	.04896	-.00124	.00837	.00154	.00077

LARC UPWT 1152(1A94A) OTSAT130

(TJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.442	1.99878	-.91218	-4.17832	-.50384	.55234	-.06202	-.00838	-.01172
1.550	-6.350	1.99842	-.71398	-4.16957	-.36763	.51491	-.04080	-.00441	-.01119
1.550	-4.193	1.99873	-.48559	-4.16782	-.23643	.48689	-.01573	.00024	-.00975
1.550	-2.106	1.99850	-.24273	-4.16211	-.11402	.46975	.01007	.00514	-.00800
1.550	.023	1.99825	.01470	-4.15964	.00681	.46319	.03661	.01011	-.00562
1.550	2.136	1.99860	.24404	-4.16285	.11382	.46638	.05806	.01380	-.00253
1.550	4.216	1.99825	.45477	-4.15970	.21606	.47510	.07701	.01712	-.00033
	GRADIENT	-.00005	.11243	.00074	.05379	-.00128	.01109	.00201	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK023) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.718	1.99882	-.92104	-4.17296	-.44842	.48686	-.03100	-.00432	-.01060
2.000	-5.610	1.99897	-.72437	-4.16428	-.32638	.45057	-.01916	-.00209	-.01033
2.000	-3.495	1.99867	-.49253	-4.16109	-.20953	.42541	-.00333	00088	-.00965
2.000	-1.397	1.99912	-.25243	-4.15933	-.10363	.41051	01700	00448	-.00842
2.000	.699	1.99867	-.00709	-4.15806	-.00287	.40516	03681	00799	-.00702
2.000	2.779	1.99807	24023	-4.15498	.09772	.40680	.05898	.01165	-.00385
2.000	4.878	1.99837	.47521	-4.15102	.19767	.41596	.07340	.01454	-.00185
	GRADIENT	-.00008	.11606	.00117	.04855	-.00108	00934	00165	.00096

LARC UPWT 1152(1A94A) OTSAT130

(TJK024) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	2.00020	-.89889	-.01073	-.49641	.55224	-.05182	-.00696	-.01313
1.550	-6.317	2.01033	.70721	-.01211	-.36266	.51281	-.03132	-.00330	-.01249
1.550	-4.191	2.01473	-.47502	-.01179	-.22950	.48314	-.00526	00150	-.01188
1.550	-2.074	2.01958	-.22895	-.01230	-.10720	.46825	.02269	.00670	-.01058
1.550	.014	2.01460	.01072	-.01378	00492	.45917	04873	.01145	-.00852
1.550	2.119	2.00198	.24615	-.01389	.11326	.46016	.07670	.01614	-.00490
1.550	4.224	1.98527	.46051	-.01227	.21667	.47050	.09784	.01985	-.00134
	GRADIENT	-.00364	.11160	-.00012	.05293	-.00159	01238	00219	.00127

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(TJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.719	2.00018	-.89365	-.01126	-.43146	.48280	-.02309	-.00319	-.01204
2.000	-5.604	1.99068	-.71126	-.01154	-.31877	.44818	-.00865	-.00082	-.01102
2.000	-3.507	1.99385	-.49604	-.01050	-.21040	.42417	.00771	.00180	-.00980
2.000	-1.380	1.99596	-.25689	-.01276	-.10549	.41064	.02547	.00488	-.00909
2.000	.693	1.99897	-.01149	-.01370	-.00467	.40622	.04414	.00823	-.00876
2.000	2.781	2.00078	.23326	-.01326	.09450	.40512	.06089	.01140	-.00851
2.000	4.892	2.00033	.47816	-.01365	.19663	.41122	.08007	.01492	-.00680
	GRADIENT	.00085	.11635	-.00032	.04838	-.00150	.00859	.00156	.00031

LARC UPWT 1152(1A94A) OTSAT130

(TJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.428	1.99753	-.90866	4.15867	-.50283	.55338	-.04321	-.00608	-.01542
1.550	-6.322	1.99753	-.70863	4.15227	-.36584	.51626	-.02278	-.00255	-.01489
1.550	-4.161	1.99793	-.48316	4.14550	-.23513	.48664	.00071	.00176	-.01433
1.550	-2.074	1.99753	-.23552	4.14278	-.11035	.46854	.03082	.00713	-.01295
1.550	.032	1.99736	.01102	4.13994	.00508	.46144	.06210	.01226	-.01036
1.550	2.134	1.99771	.24863	4.14314	.11501	.46258	.08814	.01703	-.00791
1.550	4.246	1.99789	.46396	4.14043	.21867	.47132	.10848	.02111	-.00504
	GRADIENT	.00001	.11313	-.00046	.05389	-.00174	.01298	.00231	.00112

LARC UPWT 1152(1A94A) OTSAT130

(TJK025) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.716	1.99807	- .89885	4.15193	-.43641	.48552	-.01463	-.00250	-.01325
2.000	-5.599	1.99807	-.70543	4.14707	-.31760	.45022	.00087	.00002	-.01247
2.000	-3.490	1.99807	-.48543	4.14243	-.20661	.42562	.01501	.00236	-.01185
2.000	-1.409	1.99822	-.25662	4.13991	-.10559	.41147	.03048	.00490	-.01107
2.000	.706	1.99792	.00286	4.13533	.00116	.40554	.04657	.00784	-.01129
2.000	2.784	1.99761	.25484	4.13270	.10333	.40546	.06347	.01087	-.01109
2.000	4.873	1.99792	.48728	4.12948	.20169	.41390	.08091	.01410	-.00979
	GRADIENT	-.00004	.11745	-.00158	.04902	-.00141	.00788	.00141	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK026) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.434	1.99789	- .91377	6.24535	-.50096	.54824	-.04338	-.00582	-.01683
1.550	-6.320	1.99771	-.71246	6.23447	-.36612	.51388	-.02168	-.00206	-.01600
1.550	-4.173	1.99825	-.49010	6.22961	-.23812	.48585	.00136	.00212	-.01539
1.550	-2.069	1.99825	-.23308	6.22589	-.10907	.46793	.03059	.00741	-.01429
1.550	.037	1.99842	.01700	6.21985	.00783	.46068	.06184	.01256	-.01170
1.550	2.126	1.99807	.24788	6.22114	.11473	.46286	.09155	.01748	-.00858
1.550	4.232	1.99878	.46186	6.21888	.21738	.47066	.11379	.02156	-.00567
	GRADIENT	.00004	.11354	-.00125	.05403	-.00169	.01361	.00233	.00120

LARC UPWT 1152(1A94A) OTSAT130

(TJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.704	1.99792	-.91207	6.23685	-.44114	.48367	-.01659	-.00246	-.01503
2.000	-5.639	1.99776	-.72349	6.22974	-.32475	.44886	-.00154	00005	-.01435
2.000	-3.490	1.99776	-.48982	6.22227	-.20705	.42270	.01343	.00262	-.01355
2.000	-1.401	1.99746	-.24930	6.21804	-.10162	.40762	.02756	.00504	-.01302
2.000	.691	1.99776	.01513	6.21129	.00609	.40233	.04440	00794	-.01244
2.000	2.799	1.99761	.25675	6.20867	10353	.40322	.06043	01079	-.01237
2.000	4.894	1.99746	.49905	6.20647	20583	.41244	.07926	01420	-.01097
	GRADIENT	-.00002	.11845	-.00195	04916	-.00119	.00785	00138	.00028

LARC UPWT 1152(1A94A) OTSAT130

(TJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.449	1.99771	-.94741	-6.28833	-.52483	.55396	-.07342	-.01161	-.00716
1.550	-6.335	1.99718	-.74217	-6.27670	-.38396	.51734	-.05267	-.00754	-.00676
1.550	-4.227	1.99853	-.52542	-6.27091	-.25725	.48961	-.02993	-.00319	-.00514
1.550	-2.090	2.00020	-.26823	-6.26795	-.12657	.47160	-.00514	.00159	-.00304
1.550	.029	2.00109	-.01609	-6.26686	-.00749	.46542	.01972	.00616	-.00105
1.550	2.126	2.00144	.22113	-6.26502	.10351	.46812	.04050	01003	.00074
1.550	4.227	2.00162	.43339	-6.26623	.20610	.47556	.05817	.01334	.00225
	GRADIENT	00035	.11396	.00058	05477	-.00150	01050	.00197	.00088

LARC UPWT 1152(1A94A) OTSAT130

(TJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.738	1.99897	-.95376	-6.27545	-4.7119	.49403	-0.04037	-.00651	-.00769
2.000	-5.645	2.00183	-.76824	-6.26897	-.35193	.45810	-0.02897	-.00433	-.00737
2.000	-3.516	2.00244	-.53809	-6.26319	-.23155	.43032	-.01261	-.00139	-.00578
2.000	-1.422	2.00259	-.30316	-6.25736	-.12564	.41444	.00810	.00218	-.00524
2.000	.681	2.00228	-.05025	-6.25675	-.02055	.40905	.02557	.00551	-.00410
2.000	2.727	2.00244	.19565	-6.25352	.08018	.40980	.03929	.00845	-.00311
2.000	4.860	1.99731	.42669	-6.25068	.17700	.41483	.05798	.01141	-.00017
	GRADIENT	-.00050	.11618	.00138	.04894	-.00170	.00825	.00152	.00074

LARC UPWT 1152(1A94A) OTSAT130

(TJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.464	2.00020	-.94464	-4.17674	-.52656	.55742	-0.07016	-.01123	-.00835
1.550	-6.335	1.99967	-.74452	-4.17315	-.38582	.51821	-.04936	-.00714	-.00823
1.550	-4.208	1.99913	-.51831	-4.16529	-.25334	.48878	-.02337	.00230	-.00588
1.550	-2.096	1.99931	-.27178	-4.16293	-.12775	.47003	.00288	.00270	-.00510
1.550	.028	1.99896	-.01938	-4.16184	-.00898	.46309	.02605	.00750	-.00283
1.550	2.118	1.99896	.21556	-4.16083	.10024	.46504	.05094	.01152	-.00008
1.550	4.238	1.99913	.43196	-4.16122	.20468	.47384	.07027	.01495	.00228
	GRADIENT	-.00005	.11314	.00049	.05421	-.00165	.01115	.00205	.00111

LARC UPWT 1152(1A94A) OTSAT130

(TJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.729	1.99686	-.95468	-4.17189	-.47076	.49311	-.03690	-.00619	-0.00829
2.000	-5.640	1.99746	-.77273	-4.16604	-.35275	.45650	-.02550	-.00401	-.00835
2.000	-3.496	1.99701	-.53510	-4.16186	-.22957	.42902	-.00965	-.00104	-.00737
2.000	-1.415	1.99701	-.29933	-4.16056	-.12358	.41287	.00987	.00247	-.00650
2.000	.701	1.99716	-.04941	-4.15901	-.02006	.40590	.02880	.00593	-.00532
2.000	2.791	1.99701	.19620	-4.15428	.07978	.40661	.05098	.00957	-.00213
2.000	4.860	1.99746	.42776	-4.15450	.17771	.41545	.06631	.01253	.00008
	GRADIENT	00004	11575	.00100	.04866	-.00160	.00923	.00164	.00092

LARC UPWT 1152(1A94A) OTSAT130

(TJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00109	-.92166	-.01283	-.51065	.55406	-.05992	-.00958	-.01022
1.550	-6.330	1.99629	-.74055	-.01247	-.38092	.51438	-.03966	-.00584	-.00963
1.550	-4.192	1.99553	-.51275	-.01315	-.24845	.48455	-.01344	-.00110	-.00902
1.550	-2.084	2.00002	-.26611	-.01246	-.12467	.46851	.01481	.00409	-.00763
1.550	.011	2.00393	-.01509	-.01306	-.00696	.46141	.04235	.00905	-.00570
1.550	2.138	2.00411	.21209	-.01410	.09798	.46196	.07044	.01374	-.00200
1.550	4.240	2.00304	.43177	-.01419	.20214	.46816	.09126	.01749	.00137
	GRADIENT	.00090	.11226	-.00018	.05329	-.00186	.01257	.00222	.00125

LARC UPWT 1152(1A94A) OTSAT130

(TJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.734	2.00711	-.94480	-.03270	-.46475	.49191	-.03104	-.00534	-.01014
2.000	-5.631	2.00545	-.76017	-.03104	-.34498	.45383	-.01658	-.00290	-.00931
2.000	-3.506	1.99972	-.53791	-.03261	-.22981	.42724	.00007	-.00016	-.00797
2.000	-1.397	1.99671	-.30425	-.03441	-.12542	.41223	.01737	.00277	-.00716
2.000	.686	1.99656	-.05631	-.03465	-.02289	.40642	.03607	.00613	-.00670
2.000	2.790	1.99746	.19332	-.03391	.07832	.40515	.05201	.00926	-.00675
2.000	4.876	1.99656	.43118	-.03424	.17721	.41099	.07219	.01271	-.00480
	GRADIENT	-.00027	.11626	-.00013	.04853	-.00189	.00854	.00154	.00032

LARC UPWT 1152(1A94A) OTSAT130

(TJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	1.99860	-.93640	4.15866	-.52205	.55750	-.05172	-.00886	-.01252
1.550	-6.315	1.99860	-.73711	4.15057	-.38205	.51831	-.03175	-.00532	-.01211
1.550	-4.167	1.99842	-.51899	4.14529	-.25338	.48822	-.00782	-.00101	-.01137
1.550	-2.092	1.99825	-.26957	4.14585	-.12649	.46923	.02187	.00433	-.01017
1.550	.033	1.99860	-.02278	4.14240	-.01051	.46146	.05451	.00967	-.00755
1.550	2.134	1.99860	.21058	4.14204	.09725	.46179	.07972	.01434	-.00538
1.550	4.214	1.99842	.42729	4.14155	.20047	.46916	.09967	.01851	-.00292
	GRADIENT	.00002	.11305	-.00054	.05391	-.00217	.01300	.00234	.00103

LARC UPWT 1152(1A94A) OTSAT130

(TJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.713	1.99671	-.93689	4.15297	-.46058	.49161	-.02139	-.00448	-.01108
2.000	-5.608	1.99671	-.74535	4.14672	-.33922	.45511	-.00632	-.00197	-.01041
2.000	-3.516	1.99641	-.52535	4.14262	-.22554	.42932	.00829	.00043	-.00976
2.000	-1.421	1.99641	-.29248	4.13932	-.12080	.41300	.02380	.00300	-.00905
2.000	.685	1.99611	-.04596	4.13481	-.01868	.40655	.03943	.00584	-.00916
2.000	2.780	1.99596	.21250	4.13038	.08617	.40550	.05589	.00882	-.00900
2.000	4.861	1.99641	.44333	4.12895	.18308	.41297	.07339	.01194	-.00767
	GRADIENT	-00002	.11655	-.00173	04888	-00192	00774	00138	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	1.99807	-.94770	6.24465	-.52424	.55317	-.05287	-.00870	-.01386
1.550	-6.334	1.99807	-.75255	6.23408	-.38964	.51775	-.03155	-.00498	-.01328
1.550	-4.212	1.99842	-.52663	6.22808	-.25703	.48807	-.00808	-.00075	-.01250
1.550	-2.095	1.99860	-.27522	6.22269	-.12915	.46927	.02119	.00448	-.01139
1.550	.014	1.99913	-.02466	6.22083	-.01136	.46086	.05292	.00979	-.00899
1.550	2.121	1.99896	.21390	6.22116	.09894	.46254	.08397	.01492	-.00578
1.550	4.222	1.99896	.43562	6.21976	.20456	.46957	.10576	.01908	-.00300
	GRADIENT	.00007	.11448	-.00086	05461	-.00208	.01378	.00238	.00117

LARC UPWT 1152(1A94A) OTSAT130

(TJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.718	1.99626	- 94619	6 23581	-.46352	.48988	-.02512	-.00464	- 01328
2.000	-5.647	1.99596	- 75743	6 22649	-.34375	.45384	-.00829	-.00197	- .01211
2 000	-3 520	1 99641	-.52715	6.22060	- 22496	.42675	.00715	.00064	-.01119
2 000	-1.396	1 99611	-.27196	6.21695	-.11134	.40939	.02221	.00324	-.01068
2.000	681	1.99671	- 02953	6 21083	-.01191	.40322	.03772	.00596	- .01027
2 000	2 790	1.99626	.21658	6.20668	.08734	.40325	.05329	.00877	- 01017
2 000	4.878	1 99596	.45256	6 20464	.18617	.41138	.07131	.01196	-.00895
	GRADIENT	- 00004	.11667	- 00201	04866	-.00176	.00760	.00134	.00024

LARC UPWT 1152(1A94A) OTSAT130

(TJK032) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10 000

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8 449	2.00038	-.94235	-6.28866	- 52303	.55502	-.07185	-.01140	- .00740
1 550	-6.339	2.00536	-.73373	-6.27932	- 38051	.51859	-.05101	-.00732	-.00692
1.550	-4 197	2.00713	-.51761	-6 27222	- 25366	.49007	-.02880	-.00298	-.00548
1 550	-2.103	2.00571	-.27082	-6 26636	-.12796	.47247	-.00407	.00165	-.00337
1.550	020	2.00464	-.02014	-6 26490	- 00938	.46576	.02072	.00621	-.00131
1 550	2 128	2 00091	.22064	-6.26349	10350	.46910	.04194	.01020	.00064
1 550	4 219	1 99985	.43526	-6.26611	20720	.47603	.05922	.01343	.00205
	GRADIENT	- 00092	.11382	.00072	05475	- 00149	.01054	.00196	.00091

LARC UPWT 1152(1A94A) OTSAT130

(TJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1.99789	-.93854	-4.18283	-.52388	.55819	-.06881	-.01105	-.00847
1.550	-6.330	1.99949	-.73989	-4.17026	-.38379	.51872	-.04698	-.00687	-.00834
1.550	-4.190	1.99967	-.51375	-4.16645	-.25167	.48987	-.02191	-.00215	-.00706
1.550	-2.093	2.00002	-.26930	-4.16437	-.12695	.47139	.00474	.00281	-.00495
1.550	.042	2.00002	-.01167	-4.16218	-.00542	.46424	.03167	.00783	-.00240
1.550	2.129	1.99949	.22048	-4.16250	.10280	.46626	.05321	.01167	.00025
1.550	4.240	2.00002	.43271	-4.16320	.20528	.47440	.07210	.01503	.00244
	GRADIENT	00001	.11303	.00040	.05425	-.00171	.01122	.00205	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.424	1.99985	-.92140	-.01448	-.51128	.55489	-.06109	-.00963	-.01125
1.550	-6.320	2.00127	-.72646	-.01287	-.37358	.51424	-.03983	-.00575	-.01063
1.550	-4.200	2.00073	-.50545	-.01217	-.24500	.48472	-.01325	-.00101	-.00964
1.550	-2.090	2.00032	-.26029	-.01393	-.12202	.46879	.01317	.00401	-.00855
1.550	.042	1.99789	-.00349	-.01274	-.00161	.46151	.04166	.00923	-.00646
1.550	2.126	1.99647	.21508	-.01323	.09940	.46216	.06998	.01376	-.00278
1.550	4.219	1.99558	.43526	-.01440	.20401	.46870	.09132	.01754	.00071
	GRADIENT	-.00066	.11195	-.00018	.05318	-.00184	.01263	-.00223	.00126

LARC UPWT 1152(1A94A) OTSAT130

(TJK035) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.451	1.99860	-.92377	4.15841	-.51543	.55796	-.05027	-.00869	-.01269
1.550	-6.326	1.99860	-.73551	4.15316	-.38262	.52021	-.02986	-.00516	-.01210
1.550	-4.166	1.99842	-.50971	4.14718	-.24951	.48952	-.00550	-.00073	-.01134
1.550	-2.077	1.99896	-.26511	4.14649	-.12469	.47034	.02379	.00451	-.01030
1.550	.019	1.99842	-.01230	4.14483	-.00569	.46263	.05730	.00997	-.00747
1.550	2.122	1.99807	.21627	4.14188	.10008	.46276	.08205	.01459	-.00527
1.550	4.228	1.99878	.43113	4.14198	.20293	.47068	.10235	.01878	-.00256
	GRADIENT	-.00001	.11259	-.00072	.05382	-.00215	.01305	.00234	.00108

LARC UPWT 1152(1A94A) OTSAT130

(TJK036) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	1.99985	-.93959	6.24575	-.52074	.55422	-.05000	-.00845	-.01377
1.550	-6.340	1.99967	-.74158	6.23493	-.38451	.51850	-.02833	-.00470	-.01287
1.550	-4.174	2.00032	-.51818	6.22860	-.25333	.48888	-.00536	-.00054	-.01205
1.550	-2.095	2.00002	-.27800	6.22663	-.13079	.47048	.02348	.00463	-.01112
1.550	.013	1.99985	-.02659	6.22138	-.01229	.46244	.05477	.00987	-.00883
1.550	2.119	2.00002	.21549	6.22190	.09986	.46340	.08583	.01502	-.00576
1.550	4.221	1.99931	.43588	6.21988	.20527	.47093	.10805	.01925	-.00281
	GRADIENT	-.00007	.11434	-.00106	.05465	-.00204	.01377	.00238	.00114

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LARC UPWT 1152(1A94A) OTSAT130

(TJK037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5 000

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1 99522	-.93870	-6.28885	-.52056	.55455	- .06637	-.01025	- .00980
1.550	-6 341	1 99505	-.73254	-6.27774	-.37953	.51810	- .04477	-.00612	- .00897
1.550	-4 221	1 99487	- .50347	-6.26973	-.24626	.48912	- .02202	-.00171	- .00750
1.550	-2.091	1 99505	-.25740	-6.26619	-.12144	.47180	.00239	.00295	-.00548
1.550	.017	1 99487	-.00696	-6 26314	-.00324	.46546	.02594	.00737	-.00358
1.550	2.109	1 99487	.21823	-6 26260	.10217	.46818	.04638	01113	-.00188
1.550	4.229	1 99522	.44622	-6.26318	.21218	.47550	.06449	01459	-.00027
	GRADIENT	00002	11257	.00079	05406	- .00147	01029	.00193	.00086

RUN NO. 69/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7 762	1 99822	-.97359	-6.25496	- .48045	.49348	- .03667	-.00574	-.01114
2.000	-5.646	1 99761	-.78244	-6.24881	-.35743	.45681	- .02583	-.00361	-.01073
2.000	-3.536	1 99671	-.55504	-6.24007	- .23832	.42937	- .00903	-.00068	-.00989
2.000	-1.413	1 99656	- .29697	-6.23957	-.12272	.41322	01259	00307	- .00814
2.000	.679	1 99626	-.04430	-6 23349	-.01802	.40685	.02970	.00644	-.00733
2.000	2.588	1 99626	.17943	-6 23106	.07320	.40797	.04261	.00914	-.00645
2.000	4 860	1 99550	.43193	-6 22947	.17873	.41379	.06340	.01232	-.00282
	GRADIENT	- .00013	11782	.00142	04953	-.00175	.00842	00154	.00077

DATE 29 OCT 76

TABULATED SOURCE DATA - (A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(TJK03B) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 65/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.449	1.99451	-.92861	-4.17667	-.51538	.55500	-.06318	-.00975	-.01130
1.550	-6.355	1.99487	-.73601	-4.17080	-.38081	.51739	-.04187	-.00579	-.01083
1.550	-4.210	1.99522	-.50514	-4.16630	-.24634	.48766	-.01719	-.00108	-.00965
1.550	-2.087	1.99587	-.26137	-4.16192	-.12275	.46965	.00997	.00397	-.00758
1.550	.026	1.99522	.00160	-4.16011	.00074	.46225	.03561	.00889	-.00527
1.550	2.111	1.99522	.22404	-4.16180	.10415	.46489	.05672	.01264	-.00257
1.550	4.219	1.99522	.44000	-4.16447	.20834	.47351	.07478	.01596	-.00059
	GRADIENT	00002	.11284	.00018	.05397	-.00158	.01096	.00203	.00110

RUN NO 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.733	1.99520	-.96814	-4.17396	-.47691	.49261	-.03373	-.00544	-.01165
2.000	-5.631	1.99897	-.76364	-4.16790	-.34700	.45440	-.02054	-.00303	-.01097
2.000	-3.517	1.99942	-.52960	-4.16357	-.22623	.42718	-.00380	-.00001	-.01007
2.000	-1.405	1.99972	-.28811	-4.16315	-.11830	.41059	.01649	.00362	-.00878
2.000	.674	1.99942	-.04167	-4.16044	-.01683	.40395	.03585	.00705	-.00748
2.000	2.783	2.00018	.21224	-4.15552	.08502	.40531	.05886	.01079	-.00409
2.000	4.891	1.99972	.44399	-4.15434	.18361	.41354	.07326	.01367	-.00195
	GRADIENT	00005	.11652	.00119	.04875	-.00155	.00935	.00164	.00100

LARC UPWT 1152(1A94A) OTSAT130

(TJK039) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.430	1.99682	-90398	-.01384	-.50134	.55460	-05618	-00851	-.01312
1.550	-6.290	2.00500	-.71242	-.01421	-.36698	.51512	-03525	-.00462	-.01249
1.550	-4.183	2.00020	-.49641	-.01230	-24095	.48540	-.00913	.00005	-.01176
1.550	-2.078	1.99860	-.25038	-.01223	-.11753	.46940	01820	.00519	-.01062
1.550	.024	1.99789	.00165	-.01338	00076	.46234	04625	.01027	-.00854
1.550	2.121	1.99753	.22655	-.01436	10494	.46320	07488	.01494	-.00463
1.550	4.230	1.99718	.44040	-.01331	.20701	.47005	.09576	.01867	-.00131
	GRADIENT	-.00034	.11180	-.00020	05319	-.00175	01267	.00223	.00128

RUN NO. 68/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.742	1.99792	-.95534	-.01317	-.47050	.49250	-.02575	-.00441	-.01307
2.000	-5.646	1.99535	-.77266	-.01245	-35124	.45459	-.01035	-.00203	-.01179
2.000	-3.494	1.99370	-.55078	-.01192	-.23512	.42689	.00687	.00079	-.01046
2.000	-1.421	1.99083	-.31925	-.01306	-.13148	.41183	.02421	.03375	-.00965
2.000	.679	1.98873	-.06035	-.01384	-.02447	.40553	04302	00717	-.00935
2.000	2.758	1.98993	.18536	-.01478	.07498	.40450	05811	.01024	-.00961
2.000	4.876	2.00183	.43311	-.01377	.17791	.41077	07834	01374	-.00779
	GRADIENT	.00074	.11819	-.00026	.04936	-.00189	.00845	.00155	.00026

LARC UPWT 1152(1A94A) OTSAT130

(TJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA * = 4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8 430	1.99753	-.92441	4.15699	-.51247	.55438	- 04581	-.00754	-.01610
1.550	-6 319	1.99629	- 72965	4.14974	-.37688	.51652	-.02548	-.00401	-.01531
1.550	-4 190	1.99593	- 50956	4.14615	-.24782	.48635	-.00147	.00034	-.01485
1.550	-2 076	1.99611	-.25853	4.14502	-.12072	.46695	.02913	.00574	-.01343
1.550	024	1.99611	.00202	4.14068	.00093	.45927	.06177	.01111	-.01073
1.550	2 122	1.99576	.22573	4.13924	.10386	.46010	.08566	.01563	- 00873
1.550	4.216	1.99576	.44019	4.13857	.20586	.46766	.10425	.01970	- 00645
	GRADIENT	- 00003	.11346	-.00100	05388	-.00211	.01276	00231	.00102

RUN NO 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.748	1.99957	- 94458	4.15573	-.46306	.49023	- 01548	-.00351	- 01384
2.000	-5 611	1.99927	-.74362	4.14760	- 33676	.45287	.00001	-.00090	-.01321
2.000	-3.496	1.99882	-.51943	4.14211	-.22150	.42643	.01547	.00158	-.01227
2.000	-1.401	1.99942	- 28120	4.13892	-.11551	.41076	.03094	.00420	- 01164
2.000	.683	1.99882	-.02434	4.13534	- 00982	.40366	.04610	.00700	-.01186
2.000	2.786	1.99942	.22714	4.13318	.09169	.40368	.06250	.00997	-.01169
2.000	4.863	1.99927	.45586	4.12910	.18707	.41036	.08090	.01317	-.01022
	GRADIENT	.00004	.11763	-.00152	.04900	- 00188	.00777	.00138	.00019

LARC UPWT 1152(1A94A) OTSAT130

(TJK041) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.432	1.99540	-.93499	6.24703	-.51328	.54897	- 0.1471	-.00710	-.01730
1.550	-6.323	1.99558	-.73557	6.23496	-.37816	.51410	- 02432	-.00347	-.01671
1.550	-4.181	1.99593	-.51182	6.23074	-.24814	.48482	-.00129	.00069	-.01596
1.550	-2.092	1.99558	-.25999	6.22492	-.12128	.46648	02756	.00591	-.01496
1.550	026	1.99611	-.00182	6.22175	-.00084	.45853	.06065	.01131	-.01222
1.550	2.121	1.99647	.22950	6.21976	.10559	.46007	09083	01625	-.00905
1.550	4.211	1.99647	.44181	6.21927	.20641	.46718	.11134	.02026	-.00658
	GRADIENT	00009	11415	-.00134	.05410	- 00199	.01374	.00236	00118

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.737	1.99957	-.94079	6.23647	-.45799	.48681	-.01566	- 00324	-.01526
2.000	-5.628	1.99942	-.75449	6.22887	-.33948	.44995	-.00062	- 00076	-.01458
2.000	-3.511	1.99972	-.52556	6.22198	-.22256	.42346	01524	.00186	-.01355
2.000	-1.410	1.99972	-.27583	6.21824	-.11221	.40680	.02935	.00437	-.01318
2.000	690	1.99957	-.01970	6.21147	-.00788	.39997	04484	.00713	-.01285
2.000	2.773	1.99957	.22259	6.20693	.08917	.40062	06036	.00989	-.01267
2.000	4.881	1.99942	.47351	6.20473	.19384	.40937	.07965	.01330	-.01122
	GRADIENT	-.00004	11907	-.00218	.04933	-.00164	.00762	.00135	.00025

LARC UPWT 1152(1A94A) OTSAT130

(TJK042) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RUN NO 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	1.99416	-91625	-6.28469	-50509	.55125	-.06157	-.00846	-.01039
1.550	-6.353	1.99700	-.70911	-6.27609	-.36666	.51706	-.04215	-.00459	-.00986
1.550	-4.226	2.00091	-.48034	-6.27089	-.23507	.48938	-.01942	-.00028	-.00815
1.550	-2.083	2.00233	-.22245	-6.26746	-10515	.47268	.00531	.00447	-.00597
1.550	-.032	2.00269	.01615	-6.26373	.00754	.46667	.02834	.00873	-.00411
1.550	2.119	2.00233	.25543	-6.26468	.12025	.47078	.05040	.01267	-.00185
1.550	4.219	2.00216	.46876	-6.26255	.22453	.47899	.06757	.01586	-.00016
	GRADIENT	.00012	.11265	.00092	.05427	-.00107	.01039	.00192	.00095

LARC UPWT 1152(1A94A) OTSAT130

(TJK043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RUN NO 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	2.00038	-.90948	-4.18158	-.50436	.55456	-.06099	-.00827	-.01185
1.550	-6.394	2.00020	-.71460	-4.17207	-.36981	.51751	-.04023	-.00438	-.01135
1.550	-4.203	2.00002	-.48304	-4.16779	-.23619	.48896	-.01471	.00029	-.00995
1.550	-2.053	2.00002	-.22228	-4.16279	-10475	.47127	.01325	.00557	-.00783
1.550	.042	2.00002	.02784	-4.16021	.01294	.46489	.03887	.01038	-.00552
1.550	2.124	2.00002	.25632	-4.15981	.11992	.46786	.06078	.01415	-.00247
1.550	4.244	1.99949	.46678	-4.16110	.22280	.47731	.07878	.01738	-.00027
	GRADIENT	-.00005	.11288	.00078	.05424	-.00128	.01113	.00203	.00117

LARC UPWT 1152(1A94A) OTSAT130

(TJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.437	1.99753	- 88597	- 03138	-.48897	.55191	-.04808	-.00658	-.01328
1.550	-6.289	1.99665	-.69157	-.03224	- 35456	.51270	-.02780	-.00285	-.01259
1.550	-4.178	1.99451	-.47114	- 03068	-.22843	.48484	-.00297	.00167	-.01181
1.550	-2.078	1.99309	-.21701	- 02985	-.10167	.46852	.02533	.00697	-.01060
1.550	.036	1.99096	.02428	-.03133	.01125	.46350	.05260	.01191	-.00858
1.550	2.140	1.99487	.25063	-.03223	.11643	.46456	.08072	.01654	-.00483
1.550	4.235	1.99682	.46635	-.03120	.22028	.47235	.10145	.02018	-.00122
	GRADIENT	.00030	.11132	-.00016	.05301	- 00138	.01256	.00221	.00128

LARC UPWT 1152(1A94A) OTSAT130

(TJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.414	1.99931	- 89863	4.15655	-.49871	.55497	-.04130	-.00585	-.01541
1.550	-6.333	1.99913	- 70420	4.15073	-.36534	.51880	-.02137	-.00239	-.01484
1.550	-4.152	1.99913	-.47141	4.14554	-.23037	.48869	.00304	.00206	-.01436
1.550	-2.076	1.99913	- 23154	4.14260	-.10895	.47054	.03134	.00721	-.01326
1.550	.035	1.99913	.02270	4.14271	.01052	.46369	.06395	.01252	-.01057
1.550	2.127	1.99913	.25561	4.14126	.11081	.46479	.08997	.01726	-.00805
1.550	4.236	1.99949	.46517	4.13968	.22019	.47336	.10982	.02134	-.00529
	GRADIENT	.00000	.11250	- 00062	.05381	-.00173	.01297	.00232	.00111

LARC UPWT 1152(1A94A) OTSAT130

(TJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 12 000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 77/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.422	1.99896	-91220	6.24370	-.50240	.55075	-.04236	-.00569	-.01703
1.550	-6.332	1.99949	-.69990	6.23512	-36086	.51559	-.02023	-.00183	-.01617
1.550	-4.160	1.99949	-.47511	6.22810	-23162	.48752	.00319	.00238	-.01532
1.550	-2.072	1.99896	-.22915	6.22477	-.10777	.47032	.03113	.00754	-.01468
1.550	.004	1.99949	.01286	6.21899	.00596	.46297	.06236	.01264	-.01201
1.550	2.127	1.99931	.25291	6.22167	.11766	.46523	.09296	.01768	-.00889
1.550	4.243	1.99985	.47241	6.22225	.22363	.47339	.11599	.02189	-.00558
	GRADIENT	00005	11316	-.00070	05407	-.00158	.01368	.00234	.00120

LARC UPWT 1152(1A94A) OTSAT130

(TJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 8.000
 ELV-LO = 2 000 ELV-RI = 8.000
 ELV-RO = 2 000

RUN NO. 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1.99736	-.93195	-6.29028	-51344	.55093	-.06739	-.00905	-.00954
1.550	-6.344	1.99718	-.72211	-6.27862	-.37224	.51548	-.04710	-.00511	-.00902
1.550	-4.207	1.99700	-.48692	-6.27221	-.23726	.48727	-.02398	-.00063	-.00739
1.550	-2.049	1.99682	-.23369	-6.26850	-.11000	.47072	.00039	.00403	-.00531
1.550	.019	1.99665	.00437	-6.26299	.00203	.46482	.02391	.00837	-.00326
1.550	2.122	1.99647	.24473	-6.26364	.11474	.46885	.04559	.01226	-.00104
1.550	4.229	1.99647	.45596	-6.26236	.21742	.47685	.06328	.01546	.00071
	GRADIENT	-.00007	11235	00117	05390	-.00109	.01044	.00192	.00097

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LARC UPWT 1152(1A94A) OTSAT130

(TJK048) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 80/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	1.99540	-.92122	-4.17853	-.50917	.55271	-.05522	-.00873	-.01083
1.550	-6.289	1.99576	-.71490	-4.17082	-.36756	.51414	-.04348	-.00460	-.01042
1.550	-4.202	1.99576	-.49327	-4.16700	-.24012	.48678	-.01881	-.00008	-.00900
1.550	-2.088	1.99322	-.24612	-4.16195	-.11546	.46912	.00879	.00503	-.00683
1.550	.016	1.99593	.00728	-4.16017	.00337	.46294	.03445	.00988	-.00451
1.550	2.164	1.99789	.24552	-4.15134	.11456	.46659	.05636	.01374	-.00161
1.550	4.225	1.99985	.45223	-4.16219	.21501	.47544	.07478	.01697	.00056
	GRADIENT	.00051	.11290	.00049	.05403	-.00120	.01112	.00203	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK049) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.437	2.00447	-.90444	-.01279	-.49808	.55071	-.05477	-.00728	-.01226
1.550	-6.318	2.00482	-.70631	-.01412	-.36099	.51110	-.03404	-.00343	-.01175
1.550	-4.163	2.00393	-.47931	-.01266	-.23084	.48160	-.00795	.00126	-.01087
1.550	-2.064	2.00287	-.22817	-.01206	-.10651	.46680	.02073	.00657	-.00977
1.550	.026	2.00251	.01099	-.01415	.00507	.46132	.04734	.01144	-.00772
1.550	2.142	2.00127	.24374	-.01441	.11269	.46236	.07597	.01612	-.00397
1.550	4.241	2.00002	.45890	-.01430	.21568	.46999	.09591	.01969	-.00051
	GRADIENT	-.00045	.11175	-.00027	.05293	-.00131	.01251	.00221	.00126

LARC UPWT 1152(1A94A) OTSAT130

(TJK050) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00162	-.91775	4.15812	-.50778	.55329	-.04758	-.00655	-.01458
1.550	-6.335	2.00216	-.71298	4.15066	-.36809	.51627	-.02589	-.00289	-.01367
1.550	-4.166	2.00180	-.49244	4.14675	-.23975	.48686	-.00238	.00146	-.01340
1.550	-2.071	2.00180	-.23534	4.14274	-.11025	.46847	.02812	.00691	-.01200
1.550	.031	2.00198	.01155	4.14087	.00533	.46119	.06113	.01222	-.00920
1.550	2.142	2.00180	.24944	4.14168	.11538	.46256	.08624	.01691	-.00690
1.550	4.237	2.00198	.45267	4.14070	.21299	.47051	.10568	.02086	-.00424
	GRADIENT	.00002	.11299	-.00063	.05381	-.00184	.01305	.00232	.00111

LARC UPWT 1152(1A94A) OTSAT130

(TJK051) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.431	2.00198	-.92738	6.24447	-.50958	.54948	-.04729	-.00629	-.01587
1.550	-6.312	2.00144	-.72436	6.23552	-.37319	.51519	-.02527	-.00246	-.01475
1.550	-4.184	2.00144	-.49305	6.22925	-.23996	.48669	-.00093	.00190	-.01397
1.550	-2.080	2.00198	-.24834	6.22449	-.11646	.46893	.02742	.00704	-.01315
1.550	.024	2.00162	.01185	6.22001	.00546	.46081	.05908	.01233	-.01062
1.550	2.125	2.00180	.24084	6.22062	.11149	.46293	.08918	.01726	-.00746
1.550	4.221	2.00162	.45982	6.21937	.21653	.47090	.11093	.02137	-.00454
	GRADIENT	.00001	.11397	-.00112	.05429	-.00179	.01359	.00234	.00117

LARC UPWT 1152(1A94A) OTSAT130

(TJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.453	2.00127	-.95826	-6.29256	-.52937	.55243	-.06853	-.01057	-.00650
1.550	-6.341	2.00144	-.74019	-6.28125	-.38101	.51475	-.04739	-.00643	-.00593
1.550	-4.222	2.00180	-.51689	-6.27226	-.25169	.48693	-.02556	-.00213	-.00474
1.550	-2.079	2.00144	-.26110	-6.26646	-.12256	.46940	-.00034	.00267	-.00261
1.550	.034	2.00109	-.01272	-6.26623	-.00589	.46305	.02443	.00714	-.00025
1.550	2.107	2.00109	.22299	-6.26499	.10406	.46665	.04476	.01097	.00150
1.550	4.226	2.00091	.43546	-6.26562	.20627	.47367	.06247	.01419	.00302
	GRADIENT	-.00010	.11332	.00070	.05420	-.00140	.01049	.00194	.00093

LARC UPWT 1152(1A94A) OTSAT130

(TJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00020	-.94717	-4.20054	-.52487	.55414	-.06636	-.01025	-.00771
1.550	-6.323	2.00073	-.74215	-4.19284	-.38169	.51430	-.04415	-.00602	-.00748
1.550	-4.216	2.00033	-.51491	-4.18809	-.25007	.48567	-.01865	-.00129	-.00609
1.550	-2.057	2.00109	-.26353	-4.18228	-.12320	.46750	.00844	.00380	-.00403
1.550	.021	2.00109	-.01604	-4.18210	-.00739	.46096	.03315	.00847	-.00178
1.550	2.140	2.00109	.21836	-4.18206	.10122	.46353	.05553	.01239	.00108
1.550	4.220	2.00144	.43525	-4.18183	.20544	.47201	.07488	.01580	.00330
	GRADIENT	.00010	.11308	.00061	.05390	-.00150	.01112	.00203	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(TJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 83/ 0 RN/L = 1 99 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	1 99913	- 93521	-.02980	-.51707	.55289	- 05654	-.00881	-.00973
1.550	-6.346	1 99860	- 73704	-.03180	- 37708	.51161	- 03531	-.00486	-.00920
1.550	-4.203	1 99753	- 51396	-.03062	- 24749	48153	- 00912	- 00013	-.00839
1.550	-2.064	1 99665	- 26027	-.03156	- 12117	46555	- 01869	00505	-.00714
1.550	.023	1 99540	- 01150	-.03233	- 00528	45941	.04681	01008	-.00505
1.550	2.119	1 99540	.21962	- 03384	.10096	45972	.07501	01474	- 00125
1.550	4.244	1 99487	44135	- 03320	.20596	46665	.09635	.01849	.00225
	GRADIENT	-.00031	11342	- 00035	.05357	- 00169	.01268	.00223	.00129

LARC UPWT 1152(1A94A) OTSAT130

(TJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.439	2 00127	-.93598	4.15672	- 51843	.55389	-.04659	-.00782	-.01125
1.550	-6.325	2 00127	-.73078	4.15022	- 37636	.51501	-.02445	-.00403	-.01039
1.550	-4.199	2 00190	-.51855	4.14599	- 25204	.48604	-.00314	-.00001	-.01041
1.550	-2.076	2 00216	-.26295	4.14359	-.12271	.46667	.02830	.00552	-.00900
1.550	.016	2 00198	- 01496	4.14197	-.00687	45909	.05999	.01070	-.00646
1.550	2.125	2 00269	.22598	4.13984	.10390	45977	.08598	.01548	-.00409
1.550	4.227	2 00287	.43344	4.14025	.20257	.46735	.10578	.01954	-.00120
	GRADIENT	00013	.11366	- 00072	.05395	- 00211	.01309	.00233	.00111

LARC UPWT 1152(1A94A) OTSAT130

(TJK056) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.450	2.00233	-.94720	6.24494	-.52074	.54977	-.04759	-.00770	-.01285
1.550	-6.343	2.00304	-.74698	6.23689	-.38414	.51426	-.02597	-.00388	-.01196
1.550	-4.180	2.00322	-.51947	6.22816	-.25231	.48571	-.00165	.00045	-.01112
1.550	-2.069	2.00340	-.26037	6.22217	-.12152	.46671	.02758	.00574	-.01023
1.550	.023	2.00340	-.02147	6.21865	-.00985	.45906	.05832	.01082	-.00769
1.550	2.132	2.00358	.21904	6.22087	.10087	.46048	.08888	.01585	-.00465
1.550	4.226	2.00358	.43850	6.22151	.20503	.46757	.11104	.02001	-.00170
	GRADIENT	00004	11400	- 00070	.05411	- 00202	.01364	.00234	.00116

LARC UPWT 1152(1A94A) OTSAT130

(TJK057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.457	2.00020	-.96319	-6.29008	-.53169	.55201	-.07702	-.01221	-.00712
1.550	-6.336	2.00002	-.75267	-6.27798	-.38729	.51455	-.05628	-.00802	-.00688
1.550	-4.185	1.99985	-.52283	-6.27263	-.25388	.48558	-.03307	-.00351	-.00560
1.550	-2.086	1.99967	-.27296	-6.26817	-.12792	.46863	-.00919	.00115	-.00363
1.550	.003	2.00002	-.02516	-6.26370	-.01163	.46243	.01565	.00566	-.00142
1.550	2.125	1.99985	.21307	-6.26557	.09917	.46542	.03598	.00943	.00048
1.550	4.237	2.00002	.43938	-6.26723	.20748	.47221	.05455	.01290	.00205
	GRADIENT	.00002	.11448	.00063	.05461	-.00142	.01047	.00195	.00092

DATE 29 OCT 76

TABULATED SOURCE DATA - IA94A.

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LARC UPWT 1152(IA94A) OTSAT130

(TJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	2.00020	-.95729	-4.19809	- 53076	.55444	-.07475	-.01180	-.00861
1.550	-6.323	2.00056	-.75205	-4.19091	-.38666	.51414	-.05306	-.00756	-.00829
1.550	-4.190	2.00109	-.53301	-4.18546	-.25886	.48565	-.02789	-.00291	-.00721
1.550	-2.078	2.00180	-.28077	-4.18518	- 13113	.46703	.00005	.00225	-.00487
1.550	.019	2.00216	-.02488	-4.18135	-.01146	.46053	.02606	.00715	-.00238
1.550	2.129	2.00216	.21092	-4.18069	.09750	.46226	.04853	.01110	.00012
1.550	4.232	2.00251	.43269	-4.18127	.20371	.47079	.06828	.01461	.00243
1.550	GRADIENT	.00015	.11511	.00061	.05481	-.00164	.01144	.00208	.00115

LARC UPWT 1152(IA94A) OTSAT130

(TJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	2.00660	-.94404	-.01113	- 52110	.55199	-.06256	-.01022	-.00971
1.550	-6.302	2.00429	-.73627	-.01275	-.37503	.50937	-.04186	-.00622	-.00952
1.550	-4.182	2.00393	-.51782	-.01245	-.24848	.47986	-.01567	-.00152	-.00892
1.550	-2.073	2.00358	-.25952	-.01442	- 12039	.46387	.01112	.00359	-.00774
1.550	.028	2.00304	-.00494	-.01418	-.00226	.45782	.03911	.00867	-.00567
1.550	2.114	2.00322	.21890	-.01436	.10039	.45860	.06684	.01325	-.00220
1.550	4.254	2.00304	.44508	-.01475	.20701	.46511	.08804	.01710	.00127
1.550	GRADIENT	-.00010	.11416	-.00022	.05374	-.00165	.01249	.00223	.00123

LARC UPWT 1152(1A94A) OTSAT130

(TJK060) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	2.00322	-94694	4.13920	-.52541	.55485	-.05589	-.00945	-.01208
1.550	-6.337	2.00358	-75061	4.13055	-.38735	.51604	-.03462	-.00582	-.01135
1.550	-4.174	2.00393	-.52366	4.12686	-.25425	.48553	-.01022	-.00135	-.01094
1.550	-2.099	2.00429	-.28701	4.12399	-.13405	.46706	.01718	.00370	-.01012
1.550	.011	2.00447	-.02847	4.12104	-.01307	.45920	.05103	.00916	-.00712
1.550	2.126	2.00464	.21381	4.12280	.09815	.45908	.07797	.01405	-.00483
1.550	4.217	2.00553	.42453	4.12063	.19801	.46642	.09689	.01809	-.00244
	GRADIENT	00017	.11412	-.00065	.05411	-.00220	.01309	.00234	.00106

LARC UPWT 1152(1A94A) OTSAT130

(TJK061) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00571	-.96000	6.24676	-.52922	.55127	-.05601	-.00926	-.01325
1.550	-6.324	2.00571	-.76032	6.23682	-.39151	.51493	-.03343	-.00539	-.01250
1.550	-4.193	2.00589	-.53632	6.22974	-.26053	.48577	-.01004	-.00118	-.01172
1.550	-2.069	2.00571	-.28430	6.22601	-.13275	.46695	.01829	.00400	-.01105
1.550	.008	2.00642	-.03625	6.22144	-.01663	.45876	.05076	.00935	-.00830
1.550	2.111	2.00696	.20089	6.22306	.09235	.45972	.08085	.01438	-.00552
1.550	4.227	2.00660	.43500	6.22005	.20306	.46681	.10342	.01869	-.00255
	GRADIENT	.00013	.11550	-.00106	.05482	-.00215	.01377	.00238	.00114

LARC UPWT 1152(IA94A) OTSAT129

(FJK001) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00035	-.93646	-6.00000	- 51217	.54624	-.06448	-.00940	-.00554
-6.000	2.00038	-.74616	-6.00000	-.38159	.51159	-.04422	-.00557	-.00480
-4.000	2.00083	-.53284	-6.00000	-.25839	.48492	-.02032	-.00124	-.00289
-2.000	2.00080	-.29192	-6.00000	-.13710	.46966	.00355	.00334	-.00091
.000	2.00112	-.05999	-6.00000	-.02777	.46277	.02684	.00754	.00144
2.000	2.00107	.16656	-6.00000	.07738	.46461	.04731	.01109	.00398
4.000	2.00073	.37742	-6.00000	.17772	.47067	.06339	.01410	.00499
GRADIENT	00000	.11395	.00000	.05433	-.00168	.01055	.00192	.00103

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99881	-1.01610	-6.00000	- 50262	.49530	-.03705	-.00608	-.00653
-6.000	1.99801	-.83670	-6.00000	-.38413	.45878	-.02346	-.00394	-.00597
-4.000	1.99831	-.62886	-6.00000	-.27151	.43196	-.00991	-.00133	-.00525
-2.000	1.99845	-.39618	-6.00000	-.16423	.41430	.01054	.00223	-.00369
.000	1.99828	-.15175	-6.00000	-.06151	.40598	.03060	.00582	-.00253
2.000	1.99783	.08927	-6.00000	.03596	.40417	.04768	.00888	-.00121
4.000	1.99760	.32032	-6.00000	.13097	.40807	.06385	.01167	.00107
GRADIENT	-.00010	.11919	.00000	.05026	-.00290	.00923	.00163	.00076

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LARC UPWT 1152(1A94A) OTSAT129

(FJK002) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00041	- 92983	-4.00000	- 50919	.54685	-.06204	-.00913	-.00645
-6.000	2.00078	- 74481	-4.00000	- 37898	.50905	-.03987	-.00505	-.00568
-4.000	2.00107	- 53565	-4.00000	- 25804	.48170	-.01692	-.00269	-.00453
-2.000	2.00087	- 29416	-4.00000	- 13716	.46627	.00849	.00412	-.00281
.000	2.00104	- 05822	-4.00000	- 02671	.45878	.03195	.00843	-.00051
2.000	2.00159	17211	-4.00000	07920	.46025	.05484	.01219	.00251
4.000	2.00133	.37718	-4.00000	.17638	.46737	.07220	.01528	.00434
GRADIENT	00006	.11460	.00000	.05426	-.00173	01123	.00200	.00115

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99725	-1.01029	-4.00000	-.49815	.49369	-.03256	-.00568	-.00648
-6.000	1.99739	-.83508	-4.00000	- 38171	.45691	-.02107	-.00362	-.00611
-4.000	1.99768	-.62495	-4.00000	-.26814	.42920	-.00731	-.00099	-.00607
-2.000	1.99760	-.39376	-4.00000	- 16226	.41189	.01184	.00244	-.00508
.000	1.99751	- 15720	-4.00000	-.06340	.40392	.03093	.00593	-.00405
2.000	1.99755	08819	-4.00000	.03527	.40169	.05289	.00942	-.00140
4.000	1.99745	32068	-4.00000	.13061	.40628	.07033	.01248	.00147
GRADIENT	-.00002	11866	.00000	04975	- 00280	.00982	.00170	00094

LARC UPWT 1152(1A94A) OTSAT129

(FJK003) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99904	-.91636	.00000	-.49853	.54327	-.05849	-.00830	-.00818
-6.000	1.99903	-.73501	.00000	-.37078	.50467	-.03712	-.00447	-.00749
-4.000	1.99949	-.52553	.00000	-.25103	.47764	-.01387	-.00013	-.00708
-2.000	1.99912	-.28677	.00000	-.13300	.46381	.01312	.00499	-.00621
.000	1.99931	-.04624	.00000	-.02124	.45926	.04172	.00985	-.00363
2.000	1.99914	.16734	.00000	.07681	.45914	.06706	.01416	-.00058
4.000	1.99896	.37520	.00000	.17443	.45461	.08753	.01773	.00272
GRADIENT	-.00005	.11278	.00000	.05304	-.00154	.01284	.00224	.00126

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99867	-1.00970	.00000	-.49523	.49123	-.03140	-.00513	-.00900
-6.000	1.99762	-.82403	.00000	-.37346	.45279	-.01564	-.00264	-.00758
-4.000	1.99707	-.62257	.00000	-.26480	.42558	.00031	-.00016	-.00656
-2.000	1.99679	-.40077	.00000	-.16407	.40918	.01708	.00264	-.00590
.000	1.99559	-.15980	.00000	-.06406	.40150	.03395	.00583	-.00545
2.000	1.99500	.08134	.00000	.03226	.39841	.05158	.00912	-.00499
4.000	1.99431	.31582	.00000	.12688	.40089	.07052	.01255	-.00341
GRADIENT	-.00037	.11795	.00000	.04898	-.00301	.00875	.00160	.00036

LARC UPWT 1152(1A94A) OTSAT129

(FJK004) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00111	-.92952	4.00000	-.50684	.54446	-.04793	-.00736	-.01012
-6.000	2.00088	-.74075	4.00000	-.37569	.50744	-.02605	-.00365	-.00924
-4.000	2.00117	-.53166	4.00000	-.25567	.48078	-.00149	.00071	-.00823
-2.000	2.00098	-.29510	4.00000	-.13653	.46270	.02780	.00582	-.00690
.000	2.00100	-.05533	4.00000	-.02513	.45437	.05694	.01073	-.00489
2.000	1.99959	.17981	4.00000	.08172	.45457	.08338	.01544	-.00246
4.000	1.99882	.37885	4.00000	.17505	.46178	.10227	.01929	.00014
GRADIENT	-.00030	.11480	.00000	.05398	-.00231	.01315	.00234	.00106

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99746	-.99610	4.00000	-.49141	.49398	-.02356	-.00437	-.00906
-6.000	1.99759	-.81608	4.00000	-.37341	.45726	-.00669	-.00182	-.00839
-4.000	1.99747	-.60736	4.00000	-.26028	.42867	.00768	.00049	-.00787
-2.000	1.99755	-.38650	4.00000	-.15890	.41054	.02128	.00284	-.00756
.000	1.99756	-.14902	4.00000	-.05988	.40278	.03885	.00566	-.00690
2.000	1.99754	.09328	4.00000	.03705	.39948	.05434	.00853	-.00679
4.000	1.99754	.32639	4.00000	.13204	.40331	.07027	.01160	-.00615
GRADIENT	.00001	.11738	.00000	.04903	-.00309	.00791	.00140	.00021

LARC UPWT 1152(1A94A) OTSAT129

(FJK005) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00083	-93806	6.00000	-.50932	.54222	-.04780	-.00713	-.01104
	-6.000	2.00127	-74343	6.00000	-.37766	.50622	-.02610	-.00334	-.01007
	-4.000	2.00245	-53034	6.00000	-.25562	.48190	-.00264	.00083	-.00920
	-2.000	2.00251	-.29331	6.00000	-.13595	.46353	.02668	.00598	-.00817
	.000	2.00236	-.05530	6.00000	-.02518	.45519	.05789	.01110	-.00588
	2.000	2.00247	.17153	6.00000	.07818	.45584	.08590	.01579	-.00331
	4.000	2.00267	.38079	6.00000	.17601	.46198	.10741	.01976	-.00057
	GRADIENT	.00002	.11435	.00000	.05387	-.00238	.01397	.00238	.00111

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99748	-1.00331	6.00000	-.49380	.49286	-.02456	-.00439	-.01047
	-6.000	1.99801	-.82282	6.00000	-.37539	.45587	-.00800	-.00192	-.01017
	-4.000	1.99757	-.62247	6.00000	-.26617	.42785	.00657	.00051	-.00935
	-2.000	1.99759	-.38588	6.00000	-.15807	.40933	.02095	.00303	-.00854
	.000	1.99815	-.14036	6.00000	-.05607	.40031	.03606	.00563	-.00831
	2.000	1.99784	.10074	6.00000	.03991	.39776	.05195	.00846	-.00806
	4.000	1.99772	.33391	6.00000	.13471	.40242	.06903	.01160	-.00704
	GRADIENT	.00003	.11997	.00000	.04999	-.00312	.00780	.00138	.00026

LARC UPWT 1152(1A94A) OTSAT129 (INVERT())

(FJK006) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YI
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-4 000	1.99396	- 52899	.00000	- 25396	.47914	-.02314	-.00064	- 00837
-2 000	1.99428	-.29207	00000	-.13546	.46427	00382	.00440	-.00736
000	1.99505	-.04745	.00000	- 02185	.45974	03280	.00943	-.00464
2 000	1.99450	17463	.00000	08024	.45954	.05905	.01385	-.00111
4 000	1.99486	.37628	00000	17459	.46399	07969	01745	.00232
6 000	1.99503	.57393	00000	27430	.47796	09952	.02048	.00634
8 000	1.99551	.73559	00000	36695	.49863	.11299	02273	.00900
GRADIENT	.00010	.11386	00000	.05364	-.00175	01304	00228	.00138

RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-4 000	1.99818	- 63153	.00000	- 26727	.42227	-.01007	-.00080	-.00895
-2 000	1.99876	-.40569	.00000	-.16441	.40575	00677	.00204	-.00823
000	1.99854	-.16336	.00000	-.06514	.39826	02408	.00523	-.00781
2.000	1.99854	07286	.00000	.02900	.39658	.04184	.00847	-.00727
4 000	1.99875	31182	00000	.12432	.39947	.06181	01197	-.00556
6.000	1.99876	55142	00000	.22792	.41249	07994	01560	-.00331
8 000	1.99824	.75665	00000	33179	.44011	09654	01898	-.00109
GRADIENT	.00007	11826	.00000	04883	-.00274	00894	00160	00039

LARC UPWT 1152(1A94A) OTSAT130

(FJK007) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99787	-.93490	-6.00000	-.50774	.54246	-.07121	-.00984	-.00520
-6.000	1.99851	-.74447	-6.00000	-.37891	.50911	-.05158	-.00608	-.00452
-4.000	1.99935	-.52978	-6.00000	-.25584	.48291	-.02989	-.00183	-.00315
-2.000	1.99936	-.29356	-6.00000	-.13722	.46741	-.00600	.00268	-.00109
.000	1.99936	-.04884	-6.00000	-.02250	.46066	.01776	.00704	.00085
2.000	1.99969	.17098	-6.00000	.07925	.46356	.03726	.01062	.00276
4.000	1.99941	.38578	-6.00000	.18130	.46978	.05462	.01377	.00451
GRADIENT	.00002	.11478	.00000	.05454	-.00151	.01061	.00196	.00096

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99826	-1.00568	-6.00000	-.49435	.49222	-.04370	-.00631	-.00644
-6.000	1.99850	-.82384	-6.00000	-.37692	.45722	-.03287	-.00420	-.00636
-4.000	1.99807	-.61545	-6.00000	-.26431	.42956	-.01800	-.00157	-.00581
-2.000	1.99790	-.38239	-6.00000	-.15775	.41247	.00191	.00189	-.00447
.000	1.99823	-.13989	-6.00000	-.05657	.40457	.02092	.00535	-.00320
2.000	1.99817	.09966	-6.00000	.04013	.40335	.03657	.00840	-.00191
4.000	1.99803	.33333	-6.00000	.13609	.40759	.05323	.01124	.00050
GRADIENT	.00001	.11898	.00000	.04993	-.00265	.00886	.00161	.00076

LARC UPWT 1152(1A94A) OTSAT130

(FJK008) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	1.99871	-.93134	-4.00000	-.50657	.54316	-.07077	-.00965	-.00649
	-6.000	1.99896	-.74513	-4.00000	-.37709	.50629	-.04955	-.00572	-.00595
	-4.000	1.99973	-.53374	-4.00000	-.25635	.48021	-.02562	-.00132	-.00476
	-2.000	1.99904	-.29380	-4.00000	-.13659	.46489	.00086	.00362	-.00254
	.000	1.99877	-.05015	-4.00000	-.02298	.45826	.02579	.00831	-.00030
	2.000	1.99915	.17865	-4.00000	.08218	.46006	.04622	.01197	.00196
	4.000	1.99867	.38734	-4.00000	.18107	.46719	.06480	.01517	.00426
	GRADIENT	-.00000	.11573	00000	.05468	-.00154	.01131	.00207	.00113

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99828	-1.00514	-4.00000	-.49326	.49149	-.04193	-.00617	-.00700
	-6.000	1.99822	-.82003	-4.00000	-.37314	.45469	-.02904	-.00385	-.00661
	-4.000	1.99822	-.60990	-4.00000	-.26067	.42754	-.01418	-.00119	-.00609
	-2.000	1.99839	-.38046	-4.00000	-.15636	.41095	.00421	.00217	-.00529
	.000	1.99819	-.13824	-4.00000	-.05556	.40183	.02410	.00571	-.00401
	2.000	1.99819	.10087	-4.00000	.04036	.40054	.04583	.00928	-.00130
	4.000	1.99820	.32910	-4.00000	.13394	.40624	.06232	.01230	.00110
	GRADIENT	-.00001	.11797	00000	.04930	-.00265	.00973	.00170	.00092

LARC UPWT (152(1A94A) OTSAT130

(FJK009) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99758	-.91829	.00000	-.49350	.53661	-.06267	-.00847	-.00774	
-6.000	1.99723	-.73743	.00000	-.36729	.49831	-.04155	-.00469	-.00710	
-4.000	1.98264	-.52101	.00000	-.24730	.47455	-.01524	-.00005	-.00591	
-2.000	1.99923	-.27616	.00000	-.12754	.46189	.01259	.00508	-.00466	
.000	1.99990	-.04248	.00000	-.01942	.45733	.03920	.00983	-.00280	
2.000	2.00152	.17600	.00000	.08032	.45650	.06601	.01427	.00065	
4.000	1.99973	.38823	.00000	.17952	.46205	.08592	.01779	.00375	
GRADIENT	00232	.11353	00000	.05307	-.00152	.01279	.00224	.00123	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00051	-.99707	.00000	-.48757	.48981	-.03348	-.00517	-.00741	
-6.000	1.99850	-.81065	.00000	-.36719	.45253	-.02033	-.00290	-.00683	
-4.000	1.99877	-.61253	.00000	-.26102	.42638	-.00528	-.00044	-.00593	
-2.000	1.99822	-.39324	.00000	-.16117	.40968	.01158	.00240	-.00510	
.000	1.99947	-.14926	.00000	-.05976	.40072	.03036	.00564	-.00447	
2.000	1.99984	.08741	.00000	.03478	.39865	.04681	.00874	-.00432	
4.000	1.99999	.32111	.00000	.12937	.40219	.06408	.01198	-.00345	
GRADIENT	00010	.11740	00000	.04884	-.00297	.00870	.00156	.00029	

LARC UPWT 1152(1A94A) OTSAT130

(FJK010) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = 4.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	1.99942	-.92817	4.00000	-50419	.54243	-.05453	-.00779	-.00933
	-6.000	1.99976	-.73560	4.00000	-.37198	.50591	-.03406	-.00425	-.00873
	-4.000	1.93915	-.51820	4.00000	-.24836	.47921	-.00917	.00019	-.00807
	-2.000	1.99982	-.28222	4.00000	-.13044	.46223	.01939	.00532	-.00695
	.000	1.99967	-.04673	4.00000	-.02128	.45539	.05086	.01038	-.00463
	2.000	1.99965	.17934	4.00000	.08161	.45523	.07502	.01484	-.00256
	4.000	2.00044	.39411	4.00000	.18243	.46251	.09447	.01881	-.00009
	GRADIENT	00012	.11431	00000	.05368	-.00202	.01315	.00234	.00102

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99843	-.98227	4.00000	-48141	.49085	-.02827	-.00465	-.00854
	-6.000	1.99817	-.80356	4.00000	-.36504	.45392	-.01286	-.00222	-.00796
	-4.000	1.99836	-.59889	4.00000	-.25556	.42691	.00095	.00006	-.00747
	-2.000	1.99796	-.37394	4.00000	-.15349	.41030	.01650	.00258	-.00661
	.000	1.99805	-.13487	4.00000	-.05417	.40233	.03228	.00533	-.00638
	2.000	1.99825	.10579	4.00000	.04211	.39959	.04785	.00817	-.00644
	4.000	1.99835	.33740	4.00000	.13656	.40376	.06496	.01124	-.00571
	GRADIENT	.00001	.11762	.00000	.04899	-.00285	.00797	.00140	.00018

LARC UPWT 1152(1A94A) OTSAT130

(FJK011) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00005	-.93533	6.00000	- 50630	.54061	- 05465	-.00750	-.01052
-6.000	1.99987	-.73877	6.00000	-.37447	.50710	-.03304	-.00376	-.00972
-4.000	2.00008	-.52696	6.00000	- 25355	.48109	-.01032	.00035	-.00924
-2.000	2.00005	-.29438	6.00000	- 13645	.46352	.01717	.00531	-.00853
.000	2.00012	-.04917	6.00000	-.02240	.45544	.04897	.01046	-.00610
2.000	2.00041	.18110	6.00000	.08264	.45639	.07808	.01525	-.00336
4.000	2.00042	.39354	6.00000	.18216	.46262	.09908	.01924	-.00051
GRADIENT	00005	.11582	00000	.05453	-.00220	.01399	.00239	.00113

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99996	-.99023	6.00000	- 48413	.48961	- 03220	-.00487	.01052
-6.000	1.99911	-.81371	6.00000	- 37011	.45460	-.01620	-.00229	.00968
-4.000	1.99916	-.60485	6.00000	-.25771	.42617	-.00088	.00022	-.00879
-2.000	1.99911	-.36749	6.00000	-.15005	.40820	.01377	.00270	-.00822
.000	1.99907	-.12702	6.00000	-.05073	.40800	.02958	.00540	-.00772
2.000	1.99869	.11104	6.00000	.04405	.39810	.04494	.00811	-.00748
4.000	1.99877	.34640	6.00000	.14007	.40335	.06248	.01119	-.00666
GRADIENT	-.00006	.11905	00000	.04948	-.00279	.00790	.00137	.00025

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LARC UPWT 1152(1A94A) OTSAT130

(FJK012) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = -5.000
 ELV-R1 = .000 ELV-R0 = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTH
-8.000	1.99797	-1.02905	-6.00000	-.50704	.49337	-.05041	-.00754	-.00475	
-6.000	1.99748	-.84148	-6.00000	-.38577	.45810	-.03864	-.00528	-.00452	
-4.000	1.99789	-.63497	-6.00000	-.27347	.43081	-.02446	-.00273	-.00414	
-2.000	1.99766	-.41266	-6.00000	-.17079	.41378	-.00485	.00063	-.00282	
.000	1.99773	-.16630	-6.00000	-.06745	.40593	.01336	.00407	-.00175	
2.000	1.99725	.07825	-6.00000	.03151	.40400	.02895	.00719	-.00060	
4.000	1.99647	.30677	-6.00000	.12539	.40792	.04604	.01004	.00180	
GRADIENT	-.00016	.11872	.00000	.05000	-.00278	.00874	.00160	.00070	

LARC UPWT 1152(1A94A) OTSAT130

(FJK013) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = -5.000
 ELV-R1 = .000 ELV-R0 = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTH
-8.000	1.99523	-1.02481	-4.00000	-.50488	.49332	-.04923	-.00739	-.00568	
-6.000	1.99674	-.84561	-4.00000	-.38660	.45690	-.03704	-.00513	-.00542	
-4.000	2.00017	-.63824	-4.00000	-.27390	.42925	-.02282	-.00254	-.00497	
-2.000	2.00239	-.41527	-4.00000	-.17114	.41207	-.00401	.00081	-.00408	
.000	2.00313	-.17310	-4.00000	-.06980	.40335	.01470	.00428	-.00320	
2.000	2.00168	.07319	-4.00000	.02932	.40170	.03697	.00793	-.00042	
4.000	1.99818	.30352	-4.00000	.12381	.40700	.05465	.01102	.00220	
GRADIENT	-.00023	.11860	.00000	.04979	-.00274	.00980	.00171	.00090	

LARC UPWT 1152(1A94A) OTSAT130

(FJK014) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00367	-1.01580	.00000	-.49518	.48814	-.04011	-.00645	-.00544
-6.000	2.00181	-.84073	.00000	-.37992	.45161	-.02557	-.00403	-.00443
-4.000	1.99558	-.63712	.00000	-.27044	.42461	-.00974	-.00148	-.00349
-2.000	1.99536	-.41459	.00000	-.16928	.40822	.00590	.00120	-.00291
.000	1.99561	-.18000	.00000	-.07200	.40020	.02439	.00437	-.00232
2.000	1.99386	.06661	.00000	.02646	.39829	.04066	.00758	-.00232
4.000	1.99228	.30280	.00000	.12191	.40189	.05747	.01073	-.00154
GRADIENT	-.00051	.11805	.00000	.04902	-.00277	.00846	.00154	.00022

LARC UPWT 1152(1A94A) OTSAT130

(FJK015) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00103	-1.00835	4.00000	-.49673	.49326	-.03663	-.00602	-.00748
-6.000	2.00080	-.83092	4.00000	-.37988	.45686	-.02121	-.00348	-.00705
-4.000	2.00094	-.63197	4.00000	-.27146	.42973	-.00719	-.00119	-.00655
-2.000	2.00142	-.41370	4.00000	-.17068	.41242	.00774	.00123	-.00578
.000	2.00083	-.11923	4.00000	-.06869	.40397	.02346	.00399	-.00565
2.000	2.00140	.07456	4.00000	.02981	.40155	.03992	.00692	-.00556
4.000	2.00163	.30766	4.00000	.12500	.40539	.05665	.00990	-.00478
GRADIENT	.00007	.11838	.00000	.04967	-.00298	.00799	.00139	.00019

LARC UPWT 1152(IA94A) OTSAT130

(FJK016) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L : 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00113	-1.01579	6.00000	-.50070	.49350	-.04038	-.00612	-.00961
-6.000	2.00119	-.83842	6.00000	-.38401	.45770	-.02451	-.00357	-.00905
-4.000	2.00189	-.63489	6.00000	-.27244	.42927	-.00993	-.00113	-.00832
-2.000	2.00171	-.40370	6.00000	-.16596	.41089	.00484	.00137	-.00758
.000	2.00194	-.16754	6.00000	-.06734	.40265	.01962	.00394	-.00722
2.000	2.00202	.07508	6.00000	.02989	.40039	.03588	.00675	-.00690
4.000	2.00224	.31161	6.00000	.12654	.40497	.05332	.00979	-.00610
GRADIENT	00005	.11859	00000	.04969	-.00296	.00788	.00136	.00026

LARC UPWT 1152(IA94A) OTSAT130

(FJK017) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99701	-.89908	-6.00000	-.49060	.54486	-.05407	-.00898	-.00604
-6.000	1.99669	-.69534	-6.00000	-.35497	.51073	-.03309	-.00500	-.00517
-4.000	1.99640	-.47777	-6.00000	-.23189	.48530	-.01133	-.00079	-.00384
-2.000	1.99820	-.24142	-6.00000	-.11355	.47035	.01136	.00357	-.00218
.000	2.00238	-.00074	-6.00000	-.00034	.46449	.03518	.00794	-.00025
2.000	2.00298	.21836	-6.00000	.10203	.46731	.05519	.01158	.00180
4.000	2.00260	.42936	-6.00000	.20353	.47383	.07186	.01474	.00317
GRADIENT	00086	.11370	.00000	.05432	-.00130	.01051	.00195	.00090

LARC UPWT 1152(1A94A) OTSAT130

(FJK017) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99410	-.99575	-6.00000	-.49216	.49492	-.02762	-.00558	-.00790
-6.000	1.99448	-.81335	-6.00000	-.37382	.45926	-.01610	-.00341	.00744
-4.000	1.99834	-.60826	-6.00000	-.26308	.43271	-.00263	-.00093	-.00699
-2.000	1.99920	-.37878	-6.00000	-.15735	.41521	.01654	.00240	-.00576
.000	1.99935	-.13911	-6.00000	-.05652	.40675	.03397	.00578	-.00492
2.000	1.99927	.10390	-6.00000	.04208	.40571	.04932	.00884	-.00366
4.000	1.99909	.33288	-6.00000	.13672	.41009	.06595	.01164	-.00123
GRADIENT	.00008	.11925	.00000	.04995	-.00274	.00950	.00158	.00068

LARC UPWT 1152(1A94A) OTSAT130

(FJK018) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00313	-.88652	-4.00000	-.48397	.54501	-.05043	-.00854	-.00749
-6.000	2.00268	-.69053	-4.00000	-.35180	.50978	-.02893	-.00452	-.00702
-4.000	2.00235	-.48312	-4.00000	-.23435	.48495	-.00632	-.00023	-.00607
-2.000	2.00229	-.24906	-4.00000	-.11661	.46825	.01977	.00465	-.00406
.000	2.00290	-.00462	-4.00000	-.00213	.46190	.04313	.00920	-.00215
2.000	2.00253	.22206	-4.00000	.10305	.46414	.06513	.01299	.00032
4.000	2.00280	.43014	-4.00000	.20308	.47184	.08262	.01622	.00271
GRADIENT	.00006	.11488	.00000	.05473	-.00152	.01116	.00206	.00112

LARC UPWT 1152(1A94A) OTSAT130

(FJK018) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99850	-.99803	-4.00000	-.49309	.49480	-.02538	-.00535	-.00862
-6.000	1.99925	-.81081	-4.00000	-.37190	.45832	-.01300	-.00304	-.00828
-4.000	1.99929	-.60652	-4.00000	-.26151	.43139	-.00019	-.00057	-.00786
-2.000	1.99895	-.37923	-4.00000	-.15709	.41404	.01813	.00271	-.00691
.000	1.99883	-.13872	-4.00000	-.05617	.40538	.03675	.00612	-.00604
2.000	1.99919	.10327	-4.00000	.04158	.40376	.05788	.00963	-.00354
4.000	1.99967	.32992	-4.00000	.13527	.40912	.07444	.01264	-.00113
GRADIENT	00005	.11777	.00000	04961	-.00274	.00945	.00167	.00084

LARC UPWT 1152(1A94A) OTSAT130

(FJK019) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99970	-.86413	.00000	-.46964	.54272	-.04230	-.00716	-.00877
-6.000	1.99904	-.68001	.00000	-.34414	.50632	-.02163	-.00343	-.00822
-4.000	1.99857	-.47180	.00000	-.22701	.48109	.00324	.00096	-.00734
-2.000	1.99823	-.23258	.00000	-.10859	.46694	.03044	.00600	-.00606
.000	1.99772	.00421	.00000	.00194	.46097	.05657	.01073	-.00404
2.000	1.99826	.22128	.00000	.10216	.46176	.08367	.01511	-.00049
4.000	1.99736	.42451	.00000	.19883	.46813	.10359	.01865	.00291
GRADIENT	-.00012	.11232	.00000	.05312	-.00155	.01270	.00223	.00129

LARC UPWT 1152(1A94A) OTSAT130

(FJK019) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00273	-.97550	.00000	-.48138	.49420	-.02066	-.00445	-.01071
-6.000	2.00297	-.80498	.00000	-.36815	.45701	-.00619	-.00206	-.00961
-4.000	1.99803	-.60611	.00000	-.26071	.43031	.00958	.00043	-.00827
-2.000	1.99572	-.38969	.00000	-.16131	.41380	.02597	.00313	-.00743
.000	1.99702	-.14716	.00000	-.05965	.40579	.04507	.00637	-.00664
2.000	1.99777	.09304	.00000	.03745	.40362	.06070	.00940	-.00667
4.000	1.99768	.32240	.00000	.13155	.40723	.07703	.01245	-.00588
GRADIENT	00007	.11699	.00000	.04916	-.00292	.00848	.00152	.00028

LARC UPWT 1152(1A94A) OTSAT130

(FJK020) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00642	-.88709	4.00000	-.48554	.54658	-.03311	-.00646	-.01191
-6.000	2.00677	-.69655	4.00000	-.35577	.51101	-.01412	-.00307	-.01166
-4.000	2.00623	-.48378	4.00000	-.23425	.48413	.00857	.00112	-.01114
-2.000	2.00610	-.24788	4.00000	-.11574	.46693	.03821	.00629	-.00961
.000	2.00645	-.01118	4.00000	-.00513	.45976	.06811	.01113	-.00725
2.000	2.00650	.21288	4.00000	.09795	.46021	.09298	.01566	-.00493
4.000	2.00615	.41914	4.00000	.19592	.46715	.11174	.01960	-.00255
GRADIENT	.00001	.11333	.00000	.05370	-.00203	.01306	.00232	.00109

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(FJK020) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99978	-.98166	4.00000	-.48378	.49351	-.01085	-.00368	-.01142
-6.000	1.99981	-.79803	4.00000	-.36561	.45776	.00391	-.00120	-.01089
-4.000	1.99954	-.59250	4.00000	-.25552	.43147	.01777	.00109	-.01031
-2.000	1.99954	-.36937	4.00000	-.15317	.41448	.03231	.00352	-.00956
.000	1.99946	-.13483	4.00000	-.05465	.40599	.04773	.00618	-.00941
2.000	1.99939	.10837	4.00000	.04357	.40346	.06280	.00893	-.00954
4.000	1.99985	.34625	4.00000	.14156	.40788	.07910	.01190	-.00874
GRADIENT	00002	.11776	.00000	.04955	-.00291	.00766	.00135	.00016

LARC UPWT 1152(1A94A) OTSAT130

(FJK021) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00674	-.89474	6.00000	-.48635	.54289	-.03306	-.00620	-.01346
-6.000	2.00653	-.70003	6.00000	-.35651	.50943	-.01234	-.00257	-.01282
-4.000	2.00575	-.48638	6.00000	-.23502	.48318	.01035	.00155	-.01229
-2.000	2.00577	-.25553	6.00000	-.11922	.46656	.03671	.00631	-.01130
.000	2.00582	-.00195	6.00000	-.00090	.45888	.06832	.01154	-.00889
2.000	2.00552	.22101	6.00000	.10168	.46013	.09589	.01622	-.00618
4.000	2.00532	.42887	6.00000	.20041	.46705	.11655	.02019	-.00354
GRADIENT	-.00005	.11535	.00000	.05459	-.00193	.01358	.00236	.00113

LARC UPWT 1152(1A94A) OTSAT130

(FJK021) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99967	-97883	6.00000	-.48057	.49159	-.01225	-.00353	-.01331
	-6.000	1.99967	-.80780	6.00000	-.36894	.45646	.00170	-.00118	-.01277
	-4.000	1.99968	-59904	6.00000	-.25715	.42942	.01608	.00120	-.01190
	-2.000	1.99926	-36305	6.00000	-.14955	.41172	.03008	.00364	-.01135
	.000	1.99975	-.12731	6.00000	-.05122	.40296	.04427	.00616	-.01108
	2.000	1.99994	.11993	6.00000	.04794	.40092	.05941	.00896	-.01095
	4.000	2.00000	.35492	6.00000	.14450	.40624	.07625	.01183	-.01013
	GRADIENT	00007	.11955	.00000	.05004	-.00286	.00748	.00132	.00020

LARC UPWT 1152(1A94A) OTSAT130

(FJK022) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00002	-.88125	-6.00000	-.47942	.54326	-.05982	-.00788	-.01057
	-6.000	1.99981	-.68045	-6.00000	-.34695	.51011	-.03970	-.00406	-.00969
	-4.000	1.99964	-.46160	-6.00000	-.22403	.48530	-.01842	.00010	-.00823
	-2.000	1.99924	-.22750	-6.00000	-.10702	.47045	.00399	.00446	-.00652
	.000	1.99900	.01003	-6.00000	.00467	.46521	.02825	.00881	-.00428
	2.000	1.99926	.23035	-6.00000	.10779	.46803	.04784	.01237	-.00230
	4.000	1.99966	.43380	-6.00000	.20655	.47588	.06494	.01545	-.00047
	GRADIENT	00000	.11243	.00000	.05380	-.00106	.01053	.00193	.00099

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LARC UPWT 1152(1A94A) OTSAT130

(FJK022) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99690	-.94382	-6.00000	-.46364	.49197	-.03480	-.00487	-.00976	
-6.000	1.99672	-.76179	-6.00000	-.34919	.45804	-.02431	-.00286	-.00947	
-4.000	1.99654	-.55268	-6.00000	-.23870	.43208	-.01054	-.00033	-.00912	
-2.000	1.99614	-.32373	-6.00000	-.13440	.41490	.01004	.00319	-.00753	
.000	1.99705	-.08437	-6.00000	-.03429	.40755	.02640	.00650	-.00694	
2.000	1.99788	.15303	-6.00000	.06220	.40719	.04241	.00953	-.00556	
4.000	1.99838	.37957	-6.00000	.15681	.41241	.05952	.01237	-.00290	
GRADIENT	00027	.11706	.00000	.04938	-.00235	.00862	00159	.00072	

LARC UPWT 1152(1A94A) OTSAT130

(FJK023) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99870	-.87046	-4.00000	-.47420	.54401	-.05740	-.00752	-.01173	
-6.000	1.99872	-.67862	-4.00000	-.34555	.50945	-.03665	-.00366	-.01111	
-4.000	1.99519	-.46382	-4.00000	-.22489	.48478	-.01293	.00074	-.00971	
-2.000	1.99908	-.22978	-4.00000	-.10777	.46906	.01201	.00548	-.00802	
.000	1.99863	.01210	-4.00000	.00561	.46301	.03693	.01015	-.00577	
2.000	1.99867	.23001	-4.00000	.10710	.46570	.05758	.01369	-.00277	
4.000	1.99796	.43315	-4.00000	.20538	.47390	.07596	.01689	-.00054	
GRADIENT	-.00014	.11269	.00000	.05377	-.00126	.01117	.00203	.00118	

LARC UPWT 1152(1A94A) OTSAT130

(FJK023) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99897	-.94574	-4.00000	-.46452	.49192	-.03226	-.00456	-.01071
-6.000	1.99893	-.76292	-4.00000	-.34853	.45647	-.02125	-.00250	-.01046
-4.000	1.99865	-.54979	-4.00000	-.23645	.43026	-.00732	.00013	-.00992
-2.000	1.99908	-.32183	-4.00000	-.13321	.41370	.01131	.00346	-.00883
.000	1.99899	-.09020	-4.00000	-.03654	.40602	.03023	.00682	-.00772
2.000	1.99829	.14814	-4.00000	.05988	.40517	.05160	.01037	-.00509
4.000	1.99821	.37813	-4.00000	.15591	.41143	.06866	.01347	-.00260
GRADIENT	-.00008	.11629	.00000	.04889	-.00231	.00961	.00168	.00092

LARC UPWT 1152(1A94A) OTSAT130

(FJK024) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00261	-.86108	.00000	-.46877	.54375	-.04780	-.00625	-.01299
-6.000	2.01123	-.67509	.00000	-.34256	.50753	-.02776	-.00265	-.01242
-4.000	2.01526	-.45296	.00000	-.21797	.48128	-.00270	.00197	-.01180
-2.000	2.01950	-.22037	.00000	-.10311	.46785	.02366	.00688	-.01053
.000	2.01466	.00910	.00000	.00418	.45920	.04859	.01142	-.00855
2.000	2.00283	.23337	.00000	.10728	.45979	.07531	.01590	-.00513
4.000	1.98713	.43827	.00000	.20579	.46920	.09585	.01949	-.00172
GRADIENT	-.00365	.11181	.00000	.05290	-.00161	.01244	.00220	.00128

LARC UPWT 1152(IA94A) OTSAT130

(FJK024) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00190	-.91677	.00000	-.44648	.48768	-.02491	-.00350	-.01217	
-6.000	1.99149	-.74759	.00000	-.33969	.45406	-.01146	-.00127	-.01124	
-4.000	1.99274	-.54915	.00000	-.23539	.42881	.00378	.00115	-.01006	
-2.000	1.99546	-.32829	.00000	-.13581	.41348	.02012	.00393	-.00925	
.000	1.99790	-.09389	.00000	-.03812	.40720	.03807	.00712	-.00883	
2.000	2.00039	.14226	.00000	.05742	.40487	.05461	.01021	-.00873	
4.000	2.00069	.37482	.00000	.15325	.40801	.07170	.01339	-.00768	
GRADIENT	.00104	.11592	.00000	.04853	-.00251	.00852	.00154	.00026	

LARC UPWT 1152(IA94A) OTSAT130

(FJK025) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99762	-.86823	4.00000	-.47443	.54569	-.03922	-.00540	-.01520	
-6.000	1.99790	-.67667	4.00000	-.34576	.51120	-.01976	-.00201	-.01473	
-4.000	1.99827	-.46435	4.00000	-.22516	.48481	.00270	.00213	-.01418	
-2.000	1.99798	-.22660	4.00000	-.10606	.46813	.03186	.00731	-.01279	
.000	1.99770	.00711	4.00000	.00328	.46146	.06148	.01216	-.01032	
2.000	1.99779	.23414	4.00000	.10818	.46217	.08641	.01672	-.00800	
4.000	1.99761	.43959	4.00000	.20680	.47010	.10593	.02053	-.00531	
GRADIENT	-.00308	.11343	.00000	.05391	-.00177	.01305	.00232	.00113	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(FJK025) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99816	-.92297	4.00000	-.45207	49054	-.01680	-.00285	-.01327
-6.000	1.99792	-.74337	4.00000	-.33948	45631	-.00198	-.00045	-.01249
-4.000	1.99793	-.53991	4.00000	-.23241	43061	.01150	.00177	-.01192
-2.000	1.99816	-.32415	4.00000	-.13446	41467	.02604	.00413	-.01110
.000	1.99807	-.08611	4.00000	-.03497	40699	.04119	.00683	-.01108
2.000	1.99772	.16151	4.00000	.06520	40467	.05705	.00971	-.01123
4.000	1.99780	.39144	4.00000	.16073	40971	.07367	.01274	-.01035
GRADIENT	-.00003	.11742	.00000	.04930	-.00259	.00777	.00138	.00015

LARC UPWT 1152(1A94A) OTSAT130

(FJK026) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99763	-.87233	6.00000	-.47306	54159	-.03883	-.00509	-.01649
-6.000	1.99752	-.68075	6.00000	-.34667	50948	-.01853	-.00155	-.01579
-4.000	1.99794	-.46964	6.00000	-.22743	48417	.00346	.00247	-.01522
-2.000	1.99780	-.22496	6.00000	-.10519	46760	.03173	.00755	-.01408
.000	1.99802	.01207	6.00000	.00556	46085	.06146	.01244	-.01160
2.000	1.99794	.23449	6.00000	.10844	46254	.08964	.01715	-.00871
4.000	1.99874	.43883	6.00000	.20626	46977	.11097	.02108	-.00595
GRADIENT	.00009	.11382	.00000	.05405	-.00169	.01365	.00234	.00120

LARC UPWT 1152(IA94A) OTSAT130

(FJK026) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99791	-.93616	6.00000	-.45728	.48921	-.01841	-.00282	-.01490
-6.000	1.99793	-.75692	6.00000	-.34440	.45470	-.00377	-.00039	-.01425
-4.000	1.99792	-.54608	6.00000	-.23379	.42826	.01026	.00200	-.01353
-2.000	1.99764	-.32120	6.00000	-.13217	.41133	.02365	.00429	-.01296
.000	1.99772	-.07299	6.00000	-.02938	.40372	.03911	.00695	-.01242
2.000	1.99767	.16668	6.00000	.06688	.40225	.05459	.00968	-.01234
4.000	1.99749	.39455	6.00000	.16140	.40808	.07126	.01269	-.01157
GRADIENT	-.00004	.11846	.00000	.04947	-.00247	.00765	.00134	.00023

LARC UPWT 1152(IA94A) OTSAT130

(FJK027) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99790	-.90393	-6.00000	-.49453	.54630	-.06871	-.01072	-.00731
-6.000	1.99772	-.70962	-6.00000	-.36344	.51242	-.04876	-.00682	-.00690
-4.000	1.99896	-.49895	-6.00000	-.24313	.48716	-.02649	-.00258	-.00517
-2.000	2.00009	-.25778	-6.00000	-.12137	.47088	-.00299	.00194	-.00323
.000	2.00067	-.02009	-6.00000	-.00934	.46511	.02049	.00628	-.00131
2.000	2.00096	.20696	-6.00000	.09671	.46737	.04066	.01001	.00053
4.000	2.00115	.41068	-6.00000	.19495	.47446	.05781	.01320	.00208
GRADIENT	.00026	.11420	.00000	.05471	-.00145	.01061	.00198	.00091

LARC UPWT 1152(1A94A) OTSAT130

(FJK027) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99806	-.97594	-6.00000	-.48609	.49865	-.04120	-.00673	-.00779
	-6.000	2.00071	-.80330	-6.00000	-.37259	.46359	-.03068	-.00470	-.00751
	-4.000	2.00154	-.59230	-6.00000	-.25792	.43551	-.01656	-.00210	-.00708
	-2.000	2.00179	-.36856	-6.00000	-.15389	.41751	.00261	.00122	-.00583
	.000	2.00153	-.13344	-6.00000	-.05461	.40954	.02067	.00451	-.00460
	2.000	2.00191	.10969	-6.00000	.04475	.40847	.03544	.00754	-.00353
	4.000	1.99950	.33536	-6.00000	.13848	.41237	.05148	.01038	-.00135
	GRADIENT	-.00020	.11668	.00000	.04957	-.00277	.00844	.00156	.00069

LARC UPWT 1152(1A94A) OTSAT130

(FJK028) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00020	-.90172	-4.00000	-.49526	.54848	-.06558	-.01033	-.00848
	-6.000	1.99963	-.71092	-4.00000	-.36437	.51275	-.04523	-.00638	-.00819
	-4.000	1.99942	-.49441	-4.00000	-.24048	.48632	-.02026	-.00174	-.00683
	-2.000	1.99928	-.26038	-4.00000	-.12220	.46936	.00461	.00300	-.00515
	.000	1.99900	-.02261	-4.00000	-.01047	.46298	.02833	.00753	-.00300
	2.000	1.99898	.20263	-4.00000	.09410	.46452	.05056	.01142	-.00029
	4.000	1.99911	.40808	-4.00000	.19295	.47250	.06913	.01470	.00203
	GRADIENT	-.00005	.11340	.00000	.05416	-.00162	.01124	.00206	.00113

LARC UPWT 1152(1A94A) OTSAT130

(FJK028) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99695	-.97653	-4.00000	-.48577	.49806	-.03807	-.00643	-.00838
-6.000	1.99748	-.80753	-4.00000	-.37339	.46215	-.02738	-.00439	-.00818
-4.000	1.99699	-.59314	-4.00000	-.25758	.43433	-.01361	-.00179	-.00760
-2.000	1.99671	-.36607	-4.00000	-.15241	.41632	.00462	.00150	-.00678
.000	1.99691	-.13314	-4.00000	-.05417	.40720	.02240	.00478	-.00599
2.000	1.99680	.10406	-4.00000	.04203	.40514	.04327	.00826	-.00344
4.000	1.99710	.33222	-4.00000	.13690	.41103	.06113	.01142	-.00076
GRADIENT	.00002	.11604	.00000	.04917	-.00289	.00941	.00166	.00085

LARC UPWT 1152(1A94A) OTSAT130

(FJK029) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99934	-.88586	.00000	-.48369	.54539	-.05591	-.00884	-.01016
-6.000	1.99582	-.70826	.00000	-.36035	.50891	-.03596	-.00517	-.00975
-4.000	1.99582	-.49090	.00000	-.23689	.48258	-.01087	-.00063	-.00892
-2.000	2.00022	-.25594	.00000	-.11980	.46808	.01595	.00430	-.00758
.000	2.00392	-.01635	.00000	-.00754	.46143	.04225	.00903	-.00572
2.000	2.00417	.19776	.00000	.09129	.46170	.06885	.01347	-.00226
4.000	2.00317	.40659	.00000	.19012	.46732	.08914	.01709	.00100
GRADIENT	.00093	.11243	.00000	.05326	-.00184	.01265	.00223	.00126

LARC UPWT 1152(1A94A) OTSAT130

(FJK029) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00717	-.96695	.00000	-.47995	.49704	-.03272	-.00563	-.01023
-6.000	2.00607	-.79474	.00000	-.36571	.45986	-.01917	-.00334	-.00951
-4.000	2.00106	-.59143	.00000	-.25559	.43231	-.00379	-.00080	-.00827
-2.000	1.99721	-.37263	.00000	-.15486	.41545	.01227	.00188	-.00736
.000	1.99639	-.13903	.00000	-.05660	.40774	.03023	.00503	-.00677
2.000	1.99724	.10076	.00000	.04065	.40489	.04592	.00808	-.00689
4.000	1.99712	.33215	.00000	.13579	.40795	.06324	.01121	-.00586
GRADIENT	-.00039	.11603	.00000	.04891	-.00296	.00838	.00151	.00026

LARC UPWT 1152(1A94A) OTSAT130

(FJK030) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99863	-.89423	4.00000	-.49165	54898	-.04775	-.00816	-.01235
-6.000	1.99853	-.70654	4.00000	-.36236	51314	-.02870	-.00478	-.01193
-4.000	1.99833	-.49975	4.00000	-.24306	48625	-.00574	-.00063	-.01122
-2.000	1.99828	-.25818	4.00000	-.12097	46865	.02324	.00457	-.00999
.000	1.99870	-.02631	4.00000	-.01214	46153	.05394	.00958	-.00751
2.000	1.99872	.19597	4.00000	.09041	46149	.07805	.01403	-.00545
4.000	1.99853	.40507	4.00000	.18977	46919	.09738	.01806	-.00311
GRADIENT	0.0004	.11319	.00000	.05385	-.00216	.01305	.00234	.00104

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LARC UPWT 1152(1A94A) OTSAT130

(FJK030) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99697	-.96169	4.00000	-.47720	.49698	-.02345	-.00483	-.01107
-6.000	1.99700	-.78279	4.00000	-.36139	.46131	-.00915	-.00244	-.01044
-4.000	1.99658	-.57816	4.00000	-.25106	.43444	.00479	-.00015	-.00984
-2.000	1.99646	-.35847	4.00000	-.14942	.41658	.01945	.00225	-.00909
.000	1.99623	-.12940	4.00000	-.05268	.40807	.03434	.00489	-.00899
2.000	1.99596	.11712	4.00000	.04727	.40511	.04963	.00770	-.00912
4.000	1.99620	.35003	4.00000	.14357	.40922	.06611	.01064	-.00825
GRADIENT	.00006	.11660	.00000	.04930	-.00310	.00764	.00135	.00016

LARC UPWT 1152(1A94A) OTSAT130

(FJK031) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99811	-.90645	6.00000	-.49557	.54609	-.04825	-.00796	-.01360
-6.000	1.99823	-.71766	6.00000	-.36782	.51268	-.02810	-.00442	-.01304
-4.000	1.99848	-.50209	6.00000	-.24394	.48582	-.00540	-.00031	-.01230
-2.000	1.99854	-.26316	6.00000	-.12333	.46868	.02274	.00470	-.01118
.000	1.99898	-.02647	6.00000	-.01220	.46096	.05298	.00974	-.00885
2.000	1.99884	.20010	6.00000	.09247	.46216	.08197	.01458	-.00584
4.000	1.99881	.41165	6.00000	.19304	.46870	.10301	.01860	-.00331
GRADIENT	.00005	.11454	.00000	.05449	-.00204	.01380	.00238	.00116

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(FJK031) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6 000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2 000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99621	-.96967	6 00000	-.47959	.49531	-.02682	-.00498	-.01315
-6.000	1.99589	-.79034	6 00000	-.36358	.45971	-.01069	-.00241	-.01208
-4.000	1.99629	-.58173	6 00000	-.25137	.43232	.00399	.00004	-.01120
-2.000	1.99616	-.34606	6 00000	-.14325	.41360	.01811	.00246	-.01063
.000	1.99649	-.11080	6 00000	-.04473	.40482	.03288	.00504	-.01023
2.000	1.99642	.12416	6 00000	.04982	.40265	.04760	.00768	-.01016
4.000	1.99604	.35389	6 00000	.14458	.40755	.06383	.01058	-.00944
GRADIENT	-.00001	.11707	00000	.04925	-.00302	.00746	.00132	.00020

LARC UPWT 1152(1A94A) OTSAT130

(FJK032) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12 000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -6 000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1 550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00100	-.89777	-6.00000	-.49214	.54738	-.06699	-.01050	-.00749
-6.000	2.00489	-.70192	-6.00000	-.36025	.51351	-.04704	-.00660	-.00696
-4.000	2.00592	-.49540	-6.00000	-.24182	.48804	-.02562	-.00245	-.00551
-2.000	2.00481	-.25853	-6.00000	-.12196	.47177	-.00159	.00204	-.00345
.000	2.00400	-.02173	-6.00000	-.01012	.46559	.02202	.00639	-.00144
2.000	2.00091	.20680	-6.00000	.09685	.46838	.04224	.01017	.00051
4.000	1.99995	.41269	-6.00000	.19614	.47506	.05911	.01331	.00197
GRADIENT	-.00079	.11408	.00000	.05474	-.00147	.01066	.00193	.00095

LARC UPWT 1152(1A94A) OTSAT130

(FJK033) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550									
-8.000	1.99821	-89674	-4.00000	-49325	.54926	-.06402	-.01013	-.00860	
-6.000	1.99935	-70694	-4.00000	-36274	.51336	-.04303	-.00613	-.00834	
-4.000	1.99938	-49202	-4.00000	-23998	.48765	-.01909	-.00165	-.00702	
-2.000	1.99978	-25787	-4.00000	-12138	.47072	.00646	.00311	-.00499	
.000	1.99978	-.01618	-4.00000	-00751	.46415	.03177	.00784	-.00259	
2.000	1.99936	.20680	-4.00000	.09629	.46571	.05278	.01156	.00003	
4.000	1.99982	.40900	-4.00000	.19363	.47313	.07092	.01477	.00220	
GRADIENT	.00002	.11334	.00000	.05424	-.00170	.01132	.00206	.00117	

LARC UPWT 1152(1A94A) OTSAT130

(FJK034) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550									
-8.000	2.00021	-.88305	.00000	-.48306	.54627	-.05704	-.00888	-.01115	
-6.000	2.00129	-.69491	.00000	-.35349	.50889	-.03605	-.00508	-.01050	
-4.000	2.00068	-.48322	.00000	-.23326	.48269	-.01669	-.00054	-.00955	
-2.000	1.99996	-.24931	.00000	-.11676	.46833	.01435	.00423	-.00850	
.000	1.99793	-.00823	.00000	-.00380	.46157	.04112	.00913	-.00653	
2.000	1.99653	.20215	.00000	.09336	.46191	.06849	.01352	-.00302	
4.000	1.99566	.41195	.00000	.19285	.46789	.08933	.01717	.00035	
GRADIENT	-.00067	.11209	.00000	.05312	-.00180	.01271	.00223	.00126	

LARC UPWT 1152(1A94A) OTSAT130

(FJK035) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99862	-.88458	4.00000	-.48684	.54971	-.04628	-.00800	-.01252
-6.000	1.99858	-.70343	4.00000	-.36208	.51490	-.02670	-.00458	-.01194
-4.000	1.99845	-.49052	4.00000	-.23915	.48750	-.00352	-.00035	-.01124
-2.000	1.99895	-.25514	4.00000	-.11986	.46983	.02485	.00470	-.01017
.000	1.99836	-.01379	4.00000	-.00638	.46264	.05687	.00992	-.00744
2.000	1.99794	.20358	4.00000	.09412	.46247	.08051	.01432	-.00535
4.000	1.99857	.40796	4.00000	.19171	.46957	.09985	.01830	-.00282
GRADIENT	-.00004	.11278	.00000	.05378	-.00216	.01312	.00235	.00108

LARC UPWT 1152(1A94A) OTSAT130

(FJK035) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99953	-.89698	6.00000	-.49122	.54698	-.04536	-.00770	-.01345
-6.000	1.99950	-.70782	6.00000	-.36337	.51356	-.02504	-.00415	-.01265
-4.000	1.99979	-.49803	6.00000	-.24262	.48710	-.00315	-.00017	-.01192
-2.000	1.99985	-.26540	6.00000	-.12470	.46992	.02501	.00486	-.01095
.000	1.99968	-.02651	6.00000	-.01225	.46251	.05506	.00986	-.00868
2.000	1.99981	.20258	6.00000	.09379	.46307	.08396	.01470	-.00589
4.000	1.99937	.41252	6.00000	.19400	.47000	.10532	.01878	-.00312
GRADIENT	-.00004	.11445	.00000	.05459	-.00205	.01380	.00239	.00113

LARC UPWT 1152(1A94A) OTSAT130

(FJK037) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99501	-.89471	-6.00000	-.48954	.54646	-.06132	-.00932	-.00988
-6.000	1.99481	-.69796	-6.00000	-.35768	.51263	-.04077	-.00539	-.00906
-4.000	1.99484	-.47921	-6.00000	-.23319	.48658	-.01888	-.00115	-.00761
-2.000	1.99496	-.24733	-6.00000	-.11648	.47098	.00451	.00329	-.00567
.000	1.99488	-.00779	-6.00000	-.00362	.46499	.02709	.00754	-.00380
2.000	1.99487	.20756	-6.00000	.09700	.46740	.04669	.01114	-.00206
4.000	1.99514	.42091	-6.00000	.19977	.47436	.06385	.01439	-.00050
GRADIENT	.00003	.11276	.00000	.05397	-.00140	.01038	.00195	.00089

PN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99770	-.99428	-6.00000	-.49437	.49780	-.03747	-.00594	-.01124
-6.000	1.99791	-.81411	-6.00000	-.37653	.46221	-.02735	-.00394	-.01084
-4.000	1.99730	-.60474	-6.00000	-.26248	.43414	-.01272	-.00133	-.01019
-2.000	1.99714	-.36700	-6.00000	-.15282	.41629	.00719	.00210	-.00866
.000	1.99692	-.12477	-6.00000	-.05083	.40756	.02528	.00547	-.00757
2.000	1.99695	.11310	-6.00000	.04595	.40666	.04002	.00848	-.00665
4.000	1.99648	.33922	-6.00000	.13965	.41111	.05669	.01130	-.00412
GRADIENT	-.00009	.11840	.00000	.05015	-.00278	.00858	.00158	.00071

LARC UPWT 1152(1A94A) OTSAT130

(FJK039) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99465	-.88809	-4.00000	-.48600	.54659	-.05849	-.00889	-.01133
-6.000	1.99522	-.69965	-4.00000	-.35785	.51161	-.03780	-.00502	-.01081
-4.000	1.99534	-.48173	-4.00000	-.23377	.48526	-.01423	-.00054	-.00961
-2.000	1.99495	-.25063	-4.00000	-.11756	.46905	.01153	.00425	-.00764
.000	1.99530	-.00113	-4.00000	-.00052	.46215	.03587	.00893	-.00544
2.000	1.99530	.21305	-4.00000	.09892	.46439	.05648	.01257	-.00276
4.000	1.99527	.41731	-4.00000	.19723	.47235	.07384	.01574	-.00078
GRADIENT	00001	.11309	00000	.05392	-.00152	.01106	.00204	.00113

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99450	-.99286	-4.00000	-.49345	.49776	-.03510	-.00570	-.01179
-6.000	1.99850	-.80096	-4.00000	-.36903	.46038	-.02264	-.00344	-.01112
-4.000	1.99941	-.58403	-4.00000	-.25235	.43227	-.00764	-.00073	-.01033
-2.000	1.99962	-.35690	-4.00000	-.14785	.41413	.01113	.00263	-.00914
.000	1.99933	-.12330	-4.00000	-.04990	.40507	.02954	.00595	-.00813
2.000	1.99974	.11930	-4.00000	.04807	.40373	.05132	.00950	-.00539
4.000	2.00015	.34809	-4.00000	.14281	.40945	.06865	.01260	-.00272
GRADIENT	.00008	.11702	.00000	.04931	-.00280	.00964	.01168	.00095

LARC UPWT 1152(1A94A) OTSAT130

(FJK039) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	1.99919	-86655	.00000	-.47404	.54635	-.05222	-.00776	-.01300
	-6.000	2.00491	-68464	.00000	-.34927	.51031	-.03192	-.00403	-.01241
	-4.000	1.99982	-47606	.00000	-.23017	.48349	-.00672	.00049	-.01169
	-2.000	1.99859	-.24090	.00000	-.11299	.46900	.01925	.00538	-.01058
	.000	1.99790	-.00110	.00000	-.00051	.46237	.04596	.01022	-.00858
	2.000	1.99755	.21410	.00000	.09910	.46294	.07346	.01470	-.00487
	4.000	1.99722	.41723	.00000	.19586	.46917	.09376	.01829	-.00165
	GRADIENT	-.00031	.11208	.00000	.05321	-.00174	.01276	.00225	.00129

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99829	-.97680	.00000	-.48527	.49743	-.02757	-.00469	-.01323
	-6.000	1.99569	-.80556	.00000	-.37112	.46043	-.01301	-.00245	-.01202
	-4.000	1.99416	-.60506	.00000	-.26146	.43224	.00279	.00011	-.01074
	-2.000	1.99165	-.38649	.00000	-.16043	.41500	.01918	.00288	-.00984
	.000	1.98928	-.14441	.00000	-.05869	.40692	.03729	.00608	-.00934
	2.000	1.98848	.09705	.00000	.03909	.40410	.05108	.00912	-.00966
	4.000	1.99599	.33048	.00000	.13501	.40758	.07003	.01224	-.00877
	GRADIENT	.00002	.11773	.00000	.04962	-.00301	.00833	.00153	.00021

LARC UPWT 1152(1A94A) OTSAT130

(FJK040) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1 550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99738	- 88470	4 00000	-.48418	.54657	- 04200	-.00688	-.01581
-6 000	1.99641	-.69804	4 00000	-.35687	.51145	- 02241	-.00346	-.01513
-4.000	1.99603	-.48791	4 00000	-.23627	.48418	.00089	.00077	-.01469
-2 000	1.99620	- 24881	4.00000	-.11607	.46655	.03022	.00593	-.01324
.000	1.99616	- 00063	4.00000	-.00028	.45940	.06124	.01103	- 01067
2.000	1.99579	21314	4 00000	.09800	.45989	.08416	.01536	-.00877
4.000	1.99575	41792	4 00000	.19520	.46679	.10206	.01926	-.00661
GRADIENT	- 00005	.1368	00000	.05385	- 00207	.01281	.00232	.00103

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8 000	1.99959	-.96787	4 00000	- 47852	.49509	- 01746	-.00385	-.01383
-6 000	1.99928	- 78201	4 00000	-.35941	.45923	- 00294	-.00139	-.01327
-4 000	1.99867	-.57503	4.00000	-.24822	.43182	.01165	.00096	-.01242
-2 000	1.99913	-.35242	4 00000	- 14609	.41446	.02649	.00341	-.01164
.000	1.99874	- 11022	4 00000	-.04465	.40537	.04112	.00606	-.01167
2.000	1.99890	13487	4 00000	.05426	.40294	.05610	.00883	-.01185
4 000	1.99935	36150	4 00000	.14744	.40719	.07307	.01182	-.01089
GRADIENT	00006	.11802	00000	.04958	- 00304	.00762	.00136	.00014

LARC UPWT 1152(1A94A) OTSAT130

(FJK041) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1 99562	-.89384	6 00000	- 48529	54228	- 04062	-.00642	-.01705
-6.000	1 99557	-.70334	6 00000	- 35820	50946	- 02115	-.00296	-.01645
-4.000	1 99585	-.49095	6 00000	- 23715	48299	00103	.00106	- 01579
-2.000	1 99561	-.24876	6 00000	- 11590	46595	02925	.00613	- 01471
.000	1 99607	- 00433	6 00000	- 00199	45861	.06056	.01123	-.01209
2.000	1 99635	21635	6 00000	09945	45975	.08883	01592	-.00921
4.000	1 99636	42038	6 00000	19616	46639	10867	.01981	-.00686
GRADIENT	00009	11439	.00000	.05410	- 00197	01374	.00236	.00117

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99960	-.96340	6.00000	-.47346	49209	-.01736	-.00357	-.01514
-6.000	1.99946	-.78853	6.00000	-.36001	45625	- 00319	-.00122	-.01457
-4.000	1 99963	- 58008	6.00000	-.24877	42902	.01179	.00124	-.01361
-2.000	1 99983	- 34730	6 00000	-.14279	.41093	.02556	.00383	- 01309
.000	1 99969	- 10320	6 00000	- 04139	.40175	03990	00620	- 01281
2.000	1 99963	13388	6 00000	05338	39979	05461	.00882	- 01272
4.000	1 99955	36759	6.00000	.14935	.40533	.07152	.01181	-.01183
GRADIENT	- 00001	11883	.00000	.04962	- 00293	.00743	00132	00020

LARC UPWT 1152(1A94A) OTSAT130

(FJK042) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99563	-.87245	-6.00000	-.47540	.54418	-.05759	-.00764	-.01055
-6.000	1.99811	-.67358	-6.00000	-.34461	.51184	-.03834	-.00388	-.00988
-4.000	2.00112	-.45500	-6.00000	-.22167	.48712	-.01629	.00028	-.00818
-2.000	2.00214	-.21318	-6.00000	-.10064	.47211	.00726	.00479	-.00614
.000	2.00246	.02032	-6.00000	.00948	.46643	.02997	.00899	-.00426
2.000	2.00211	.24299	-6.00000	.11419	.46999	.05058	.01266	-.00204
4.000	2.00184	.44644	-6.00000	.21343	.47786	.06719	.01572	-.00034
GRADIENT	00007	.11295	00000	.05425	-.00103	.01051	.00194	.00099

LARC UPWT 1152(1A94A) OTSAT130

(FJK043) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00055	-.86637	-4.00000	-.47366	.54593	-.05624	-.00738	-.01187
-6.000	2.00018	-.67531	-4.00000	-.34510	.51134	-.03562	-.00355	-.01127
-4.000	1.99991	-.45954	-4.00000	-.22373	.48674	-.01170	.00082	-.00989
-2.000	1.99973	-.21566	-4.00000	-.10153	.47085	.01450	.00578	-.00791
.000	1.99967	.02308	-4.00000	.01073	.46481	.03903	.01039	-.00570
2.000	1.99979	.24324	-4.00000	.11363	.46727	.06041	.01406	-.00270
4.000	1.99938	.44292	-4.00000	.21092	.47589	.07774	.01714	-.00050
GRADIENT	-.00004	.11319	.00000	.05422	-.00126	.01124	.00205	.00120

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LARC UPWT 1152(1A94A) OTSAT130

(FJK044) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99742	-.84741	.00000	-.46123	.54350	-.04406	-.00584	-.01315
-6.000	1.99638	-.66368	.00000	-.33711	.50818	-.02465	-.00229	-.01251
-4.000	1.99438	-.45040	.00000	-.21760	.48301	-.00056	.00211	-.01174
-2.000	1.99300	-.20770	.00000	-.09721	.46815	.02643	.00717	-.01056
.000	1.99095	.02030	.00000	.00941	.46353	.05222	.01183	-.00865
2.000	1.99460	.23592	.00000	.10949	.46426	.07915	.01627	-.00512
4.000	1.99671	.44237	.00000	.20862	.47129	.09947	.01981	-.00163
GRADIENT	.00031	.11146	.00000	.05296	-.00137	.01264	.00223	.00128

LARC UPWT 1152(1A94A) OTSAT130

(FJK045) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99913	-.86043	4.00000	-.47172	.54760	-.03750	-.00521	-.01518
-6.000	1.99908	-.67061	4.00000	-.34429	.51357	-.01806	-.00181	-.01467
-4.000	1.99937	-.45410	4.00000	-.22114	.48694	.00487	.00240	-.01424
-2.000	1.99899	-.22221	4.00000	-.10445	.47007	.03244	.00739	-.01309
.000	1.99893	.01883	4.00000	.00873	.46376	.06334	.01242	-.01054
2.000	1.99901	.24228	4.00000	.11250	.46446	.08841	.01697	-.00812
4.000	1.99937	.44209	4.00000	.20888	.47218	.10744	.02087	-.00553
GRADIENT	.00000	.11284	.00000	.05385	-.00176	.01306	.00233	.00112

LARC UPWT 1152(1A94A) OTSAT130

(FJK046) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99915	-.86827	6.00000	-.47299	.54398	-.03775	-.00494	-.01667
-6.000	1.99955	-.66726	6.00000	-.34086	.51110	-.01690	-.00130	-.01588
-4.000	1.99953	-.45691	6.00000	-.22212	.48607	.00513	.00270	-.01519
-2.000	1.99908	-.22104	6.00000	-.10387	.46996	.03226	.00768	-.01447
.000	1.99957	.01316	6.00000	.00610	.46307	.06255	.01261	-.01186
2.000	1.99936	.23960	6.00000	.11136	.46483	.09106	.01735	-.00900
4.000	1.99976	.44707	6.00000	.21129	.47235	.11286	.02137	-.00597
GRADIENT	00004	.11343	.00000	.05410	-.00163	.01371	.00235	.00120

LARC UPWT 1152(1A94A) OTSAT130

(FJK047) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99687	-.88659	-6.00000	-.48230	.54327	-.06290	-.00819	-.00968
-6.000	1.99679	-.68612	-6.00000	-.34996	.51025	-.04316	-.00437	-.00904
-4.000	1.99666	-.46430	-6.00000	-.22528	.48518	-.02097	-.00011	-.00742
-2.000	1.99646	-.22934	-6.00000	-.10784	.47023	.00216	.00428	-.00545
.000	1.99644	.00260	-6.00000	.00121	.46457	.02514	.00854	-.00342
2.000	1.99661	.23106	-6.00000	.10816	.46815	.04574	.01223	-.00123
4.000	1.99693	.43321	-6.00000	.20620	.47578	.06286	.01531	.00051
GRADIENT	00004	.11277	.00000	.05395	-.00104	.01056	.00194	.00100

LARC UPWT 1152(1A94A) OTSAT130

(FJK048) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99561	-.87881	-4.00000	-.47904	.54429	-.06060	-.00786	-.01088
-6.000	1.99594	-.68549	-4.00000	-.34914	.50955	-.03999	-.00397	-.01038
-4.000	1.99584	-.47057	-4.00000	-.22804	.48450	-.01578	.00045	-.00891
-2.000	1.99531	-.23552	-4.00000	-.11034	.46850	.01052	.00532	-.00686
.000	1.99602	.00561	-4.00000	.00260	.46283	.03492	.00994	-.00465
2.000	1.99786	.22811	-4.00000	.10625	.46586	.05563	.01358	-.00188
4.000	1.99978	.43009	-4.00000	.20406	.47419	.07372	.01674	.00033
GRADIENT	.00052	.11325	.00000	.05404	-.00116	.01121	.00204	.00117

LARC UPWT 1152(1A94A) OTSAT130

(FJK049) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00462	-.86441	.00000	-.46932	.54216	-.05066	-.00651	-.01218
-6.000	2.00478	-.67496	.00000	-.34130	.50588	-.03052	-.00280	-.01165
-4.000	2.00385	-.46048	.00000	-.22105	.47998	-.00573	.00166	-.01080
-2.000	2.00287	-.22054	.00000	-.10288	.46652	.02159	.00673	-.00974
.000	2.00253	.00808	.00000	.00373	.46135	.04704	.01138	-.00777
2.000	2.00137	.22864	.00000	.10561	.46205	.07431	.01584	-.00424
4.000	2.00016	.43463	.00000	.20395	.46894	.09395	.01932	-.00090
GRADIENT	-.00044	.11197	.00000	.05292	-.00133	.01260	.00222	.00127

LARC UPWT 1152(1A94A) OTSAT130

(FJK050) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00189	-.87386	4.00000	-.47720	.54525	-.04311	-.00581	-.01425	
-6.000	2.00228	-.68007	4.00000	-.34727	.51096	-.02264	-.00231	-.01354	
-4.000	2.00187	-.47308	4.00000	-.22947	.48492	-.00039	.00184	-.01329	
-2.000	2.00186	-.22596	4.00000	-.10573	.46800	.02919	.00709	-.01184	
.000	2.00204	.00793	4.00000	.00367	.46124	.05057	.01213	-.00917	
2.000	2.00181	.23458	4.00000	.10839	.46219	.08456	.01660	-.00699	
4.000	2.00192	.43048	4.00000	.20219	.46941	.10327	.02040	-.00449	
GRADIENT	.00000	.11338	.00000	.05387	-.00184	.01314	.00233	.00112	

LARC UPWT 1152(1A94A) OTSAT130

(FJK051) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00177	-.88581	6.00000	-.48134	.54276	-.04283	-.00556	-.01548	
-6.000	2.00142	-.69071	6.00000	-.35261	.51065	-.02191	-.00192	-.01450	
-4.000	2.00147	-.47265	6.00000	-.22916	.48483	.00120	.00226	-.01388	
-2.000	2.00192	-.23715	6.00000	-.11109	.46842	.02874	.00723	-.01296	
.000	2.00164	.00888	6.00000	.00409	.46089	.05910	.01226	-.01049	
2.000	2.00179	.22866	6.00000	.10575	.46255	.08734	.01695	-.00760	
4.000	2.00172	.43591	6.00000	.20495	.46992	.10826	.02090	-.00485	
GRADIENT	.00002	.11415	.00000	.05425	-.00178	.01364	.00235	.00117	

LARC UPWT 1152(IA94A) OTSAT130

(FJK052) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00117	-.91036	-6.00000	-.49618	.54417	-.06373	-.00965	-.00659	
-6.000	2.00142	-.70596	-6.00000	-.35948	.50951	-.01353	-.00571	-.00602	
-4.000	2.00164	-.49140	-6.00000	-.23815	.48451	-.02211	-.00153	-.00474	
-2.000	2.00146	-.25245	-6.00000	-.11832	.46872	.00180	.00299	-.00270	
.000	2.00120	-.01701	-6.00000	-.00787	.46277	.02525	.00726	-.00047	
2.000	2.00120	.21025	-6.00000	.09795	.46590	.04511	.01096	.00137	
4.000	2.00113	.41334	-6.00000	.19546	.47268	.06220	.01407	.00290	
GRADIENT	-.00006	.11361	.00000	.05417	-.00132	.01060	.00196	.00097	

LARC UPWT 1152(IA94A) OTSAT130

(FJK053) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00023	-.90400	-4.00000	-.49357	.54518	-.06152	-.00933	-.00783	
-6.000	2.00058	-.70914	-4.00000	-.36078	.50899	-.04012	-.00528	-.00747	
-4.000	2.00024	-.49035	-4.00000	-.23695	.48316	-.01536	-.00071	-.00602	
-2.000	2.00095	-.25687	-4.00000	-.11996	.46704	.00975	.00402	-.00411	
.000	2.00092	-.01847	-4.00000	-.00851	.46084	.03359	.00853	-.00196	
2.000	2.00090	.20304	-4.00000	.09396	.46288	.05506	.01227	.00084	
4.000	2.00122	.41261	-4.00000	.19437	.47078	.07396	.01558	.00309	
GRADIENT	.00010	.11329	.00000	.05383	-.00145	.01120	.00204	.00116	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

LARC UPWT 1152(1A94A) OTSAT130

(FJK054) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99905	-89280	.00000	-.48593	.54345	-.05206	-.00797	-.00963	
-6.000	1.99845	-70298	.00000	-.35538	.50578	-.03129	-.00414	-.00910	
-4.000	1.99745	-.49100	.00000	-.23545	.47946	-.00645	.00035	-.00831	
-2.000	1.99662	-.25247	.00000	-.11746	.46525	.01962	.00521	-.00711	
.000	1.99541	-.01412	.00000	-.00648	.45944	.04661	.01003	-.00510	
2.000	1.99541	.20704	.00000	.09510	.45949	.07371	.01451	-.00150	
4.000	1.99496	.41612	.00000	.19391	.46567	.09424	.01810	.00185	
GRADIENT	-.00031	.11369	.00000	.05356	-.00167	.01277	.00224	.00130	

LARC UPWT 1152(1A94A) OTSAT130

(FJK055) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00117	-.89247	4.00000	-.48762	.54548	-.04190	-.00704	-.01092	
-6.000	2.00118	-.69924	4.00000	-.35625	.50980	-.02149	-.00348	-.01029	
-4.000	2.00171	-.49602	4.00000	-.24002	.48371	-.00076	.00044	-.01030	
-2.000	2.00198	-.25369	4.00000	-.11824	.46617	.02940	.00571	-.00885	
.000	2.00178	-.01647	4.00000	-.00756	.45912	.05965	.01065	-.00642	
2.000	2.00246	.21283	4.00000	.09776	.45947	.08442	.01520	-.00418	
4.000	2.00268	.41188	4.00000	.19219	.46633	.10348	.01909	-.00146	
GRADIENT	.00012	.11412	.00000	.05402	-.00207	.01317	.00234	.00112	

LARC UPWT 1152(IA94A) OTSAT130

(FJK056) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -5.000
 ELV-R1 = 8.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00237	-.90337	6.00000	-.49063	.54238	-.04274	-.00690	-.01245	
-6.000	2.00290	-.71147	6.00000	-.36215	.50928	-.02214	-.00327	-.01163	
-4.000	2.00312	-.49806	6.00000	-.24102	.48380	.00053	.00081	-.01100	
-2.000	2.00333	-.25234	6.00000	-.11765	.46628	.02880	.00589	-.01003	
.000	2.00332	-.02323	6.00000	-.01066	.45909	.05832	.01076	-.00758	
2.000	2.00356	.20549	6.00000	.09453	.46010	.08695	.01552	-.00479	
4.000	2.00362	.41491	6.00000	.19374	.46668	.10830	.01953	-.00199	
GRADIENT	.00006	.11419	.00000	.05408	-.00202	.01368	.00235	.00116	

LARC UPWT 1152(IA94A) OTSAT130

(FJK057) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -10.000
 ELV-R1 = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00007	-.91775	-6.00000	-.49991	.54392	-.07242	-.01127	-.00734	
-6.000	2.00004	-.71890	-6.00000	-.36600	.50935	-.05242	-.00729	-.00697	
-4.000	1.99998	-.50341	-6.00000	-.24356	.48373	-.03032	-.00303	-.00567	
-2.000	1.99999	-.26428	-6.00000	-.12367	.46798	-.00689	.00149	-.00369	
.000	2.00033	-.02610	-6.00000	-.01206	.46220	.01701	.00585	-.00152	
2.000	2.00019	.19891	-6.00000	.09242	.46466	.03651	.00944	.00034	
4.000	2.00036	.41312	-6.00000	.19477	.47122	.05428	.01274	.00193	
GRADIENT	.00005	.11481	.00000	.05464	-.00142	.01063	.00197	.00096	

LARC UPWT 1152(1A94A) OTSAT130

(FJK058) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI * 8.000 ELV-LO = -10.000
 ELV-RI * 8.000 ELV-RO = -10.000
 BETA * -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00045	-.91279	-4.00000	-.49848	54520	-.06985	-.01085	-.00866
-6.000	2.00075	-.72023	-4.00000	-.36627	50886	-.04913	-.00684	-.00830
-4.000	2.00129	-.51182	-4.00000	-.24750	48341	-.02491	-.00240	-.00716
-2.000	2.00197	-.27090	-4.00000	-.12633	46640	.00177	.00253	-.00490
.000	2.00229	-.02664	-4.00000	-.01227	46038	.02658	.00722	-.00252
2.000	2.00229	.19715	-4.00000	.09099	46169	.04823	.01101	-.00009
4.000	2.00259	.40849	-4.00000	.19192	46947	.06726	.01437	.00219
GRADIENT	00015	.11543	.00000	.05481	-.00163	.01154	.00210	.00117

LARC UPWT 1152(1A94A) OTSAT130

(FJK059) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00600	-.89980	.00000	-.48885	54235	-.05842	-.00940	-.00969
-6.000	2.00414	-.70682	.00000	-.35624	50428	-.03840	-.00560	-.00947
-4.000	2.00392	-.49693	.00000	-.23757	47799	-.01331	-.00109	-.00885
-2.000	2.00356	-.25033	.00000	-.11602	46352	.01209	.00377	-.00770
.000	2.00304	-.00812	.00000	-.00371	45785	.03877	.00861	-.00572
2.000	2.00321	.20698	.00000	.09486	45839	.06554	.01303	-.00241
4.000	2.00308	.41811	.00000	.19420	46419	.08579	.01667	.00086
GRADIENT	-.00010	.11437	.00000	.05372	-.00164	.01258	.00224	.00124

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LARC UPWT 1152(1A94A) OTSAT130

(FJK060) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
	-8.000	2.00328	- .90596	4.00000	- .49560	.54632	-.05158	-.00873	-.01183
	-6.000	2.00358	-.71638	4.00000	-.36554	.51045	-.03113	-.00520	-.01120
	-4.000	2.00390	-.50396	4.00000	-.24366	.48345	-.00819	-.00096	-.01086
	-2.000	2.00425	-.27462	4.00000	-.12807	.46641	.01859	.00395	-.00996
	.000	2.00438	-.02914	4.00000	-.01338	.45921	.05072	.00912	-.00709
	2.000	2.00451	.20086	4.00000	.09212	.45881	.07642	.01377	-.00490
	4.000	2.00534	.40335	4.00000	.18785	.46544	.09478	.01766	-.00265
	GRADIENT	.00016	.11450	.00000	.05416	-.00218	.01319	.00235	.00107

LARC UPWT 1152(1A94A) OTSAT130

(FJK061) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
	-8.000	2.00533	-.91764	6.00000	-.49970	.54388	-.05126	-.00849	-.01297
	-6.000	2.00545	-.72690	6.00000	-.37064	.51008	-.03007	-.00484	-.01224
	-4.000	2.00562	-.51327	6.00000	-.24830	.48371	-.00774	-.00078	-.01161
	-2.000	2.00555	-.27624	6.00000	-.12887	.46656	.01930	.00415	-.01089
	.000	2.00519	-.03660	6.00000	-.01679	.45885	.05079	.00931	-.00817
	2.000	2.00668	.18993	6.00000	.08723	.45941	.07920	.01410	-.00560
	4.000	2.00654	.40886	6.00000	.19061	.46591	.10050	.01818	-.00290
	GRADIENT	.00015	.11552	.00000	.05470	-.00214	.01382	.00239	.00114

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT129

(1JK001) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04261	.06695	.03029	.29902	-.60621	.23499
-6.000	.04222	.06525	.03076	.30004	-.45559	.17335
-4.000	.04195	.06397	.03044	.29887	-.31379	.11808
-2.000	.04206	.06277	.03085	.29807	-.17551	.06531
.000	.04173	.06190	.03118	.29678	-.04959	.01868
2.000	.04139	.06078	.03142	.29665	.07201	-.02587
4.000	.04093	.05965	.03146	.29343	.18883	-.06810
GRADIENT	-.00014	-.00053	.00013	-.00062	.06264	-.02318

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03274	.04800	.02274	.29473	-.58441	.22800
-6.000	.03275	.04792	.02293	.28941	-.44783	.17378
-4.000	.03287	.04703	.02299	.28615	-.31887	.12493
-2.000	.03325	.04508	.02305	.28387	-.19673	.08009
.000	.03402	.04306	.02331	.28224	-.08007	.03839
2.000	.03420	.04082	.02326	.28123	.03139	-.00110
4.000	.03391	.03989	.02306	.27763	.14079	-.04168
GRADIENT	.00015	-.00093	.00002	-.00098	.05737	-.02072

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT129

(1JK002) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04175	.06625	.03079	.30057	-.60293	.23620
-6.000	.04144	.06496	.02967	.30102	-.45238	.17577
-4.000	.04094	.06411	.02902	.29939	-.31269	.12113
-2.000	.04077	.06293	.02967	.29816	-.17471	.06830
.000	.04005	.06045	.03035	.29758	-.04764	.02100
2.000	.03968	.06038	.03055	.29608	.07467	-.02530
4.000	.03958	.05887	.03060	.29409	.18806	-.06665
GRADIENT	-.00019	-.00065	.00020	-.00063	.06254	-.02346

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03114	.04752	.02285	.29562	-.57925	.22728
-6.000	.03127	.04807	.02278	.28934	-.44471	.17405
-4.000	.03152	.04720	.02272	.28534	-.31475	.12442
-2.000	.03185	.04545	.02273	.28320	-.19397	.08113
.000	.03271	.04260	.02294	.28272	-.08117	.04118
2.000	.03327	.04092	.02304	.28002	.03121	.00089
4.000	.03299	.04031	.02290	.27673	.14105	-.04114
GRADIENT	.00022	-.00092	.00003	-.00102	.05684	-.02057

LARC UPWT 1152(1A94A) OTSAT129

(1JK003) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04019	.06618	.02840	.30495	-.59143	.23472
-6.000	.04036	.06460	.02799	.30233	-.44348	.17717
-4.000	.03970	.06255	.02741	.30186	-.30494	.12188
-2.000	.03962	.06095	.02752	.30328	-.16996	.06854
0.000	.03946	.06016	.02764	.30436	-.04180	.02332
2.000	.03857	.05932	.02790	.30252	.07284	-.01964
4.000	.03725	.05868	.02827	.29862	.18722	-.06220
GRADIENT	-.00030	-.00047	.00010	-.00036	.06136	-.02282

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02864	.04749	.02162	.29863	-.57408	.22188
-6.000	.02890	.04758	.02115	.29230	-.43411	.16832
-4.000	.02941	.04622	.02079	.28894	-.30929	.12331
-2.000	.02990	.04451	.02099	.28681	-.19393	.08266
0.000	.03022	.04288	.02152	.28532	-.07987	.04215
2.000	.03095	.04182	.02191	.28056	.02991	.00327
4.000	.03040	.04130	.02187	.27524	.13869	-.03881
GRADIENT	.00015	-.00063	.00015	-.00168	.05599	-.02018

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT129

(1JK004) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	1.550							
	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF	
	-8.000	.04102	.06507	.02638	.30925	-.59983	.23644	
	-6.000	.04109	.06405	.02740	.30558	-.44872	.17587	
	-4.000	.04093	.06273	.02684	.30440	-.31037	.12241	
	-2.000	.04071	.06047	.02583	.30482	-.17401	.06883	
	.000	.04066	.05779	.02508	.30578	-.04629	.02075	
	2.000	.04018	.05711	.02496	.30425	.07673	-.02494	
	4.000	.03950	.05695	.02533	.30117	.18644	-.06563	
	GRADIENT	-.00017	-.00075	-.00019	-.00035	.06222	-.02349	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	2.000							
	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF	
	-8.000	.03110	.04809	.02093	.30018	-.57199	.22451	
	-6.000	.03085	.04773	.02028	.29643	-.43576	.17130	
	-4.000	.03071	.04652	.01938	.29352	-.30577	.12220	
	-2.000	.03094	.04504	.01902	.29072	-.15931	.08034	
	.000	.03148	.04325	.01944	.28913	-.07620	.04023	
	2.000	.03199	.04078	.01995	.28538	.03442	.00069	
	4.000	.03241	.03988	.01998	.28047	.14314	-.04173	
	GRADIENT	.00022	-.00088	.00011	-.00157	.05608	-.02038	

LARC UPWT 1152(1A94A) OTSAT129

(1JK005) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04286	.06591	.02468	.30742	-.60270	.23659
-6.000	.04309	.06463	.02584	.30668	-.45168	.17638
-4.000	.04304	.06304	.02590	.30499	-.31146	.12281
-2.000	.04240	.06116	.02473	.30548	-.17438	.06890
.000	.04199	.05925	.02341	.30715	-.04711	.01954
2.000	.04159	.05863	.02393	.30478	.07240	-.02555
4.000	.04108	.05762	.02444	.30082	.18651	-.06831
GRADIENT	-.00024	-.00067	-.00019	-.00045	.06214	-.02383

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03241	.04894	.01908	.30029	-.57476	.22576
-6.000	.03210	.04749	.01864	.29707	-.43796	.17259
-4.000	.03223	.04649	.01855	.29250	-.31227	.12484
-2.000	.03247	.04473	.01836	.28961	-.18925	.07892
.000	.03278	.04283	.01846	.28777	-.07314	.03658
2.000	.03336	.04124	.01894	.28374	.03647	-.00213
4.000	.03360	.04064	.01908	.27927	.14510	-.04307
GRADIENT	.00018	-.00075	.00008	-.00162	.05702	-.02084

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(1JK006) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CASO	CABT	CABS	CAF	CNF	CLMF
-4.000	.03968	.06189	.02691	.30447	-.30785	.12333
-2.000	.03967	.06060	.02699	.30509	-.17231	.07040
.000	.03957	.05958	.02713	.30630	-.04239	.02377
2.000	.03970	.05879	.02742	.30412	.07625	-.01948
4.000	.03739	.05853	.02772	.29933	.18726	-.06140
6.000	.03688	.05891	.02877	.29339	.30375	-.10343
8.000	.03601	.05803	.02928	.28991	.41421	-.14525
GRADIENT	-.00028	-.00043	.00010	-.00056	.06194	-.02297

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CASO	CABT	CABS	CAF	CNF	CLMF
-4.000	.02933	.04408	.02072	.28734	-.31153	.12506
-2.000	.02987	.04286	.02121	.28474	-.19405	.08318
.000	.03026	.04192	.02152	.28301	-.08094	.04342
2.000	.03064	.04117	.02162	.28029	.02683	.00541
4.000	.03022	.04120	.02154	.27536	.13614	-.03689
6.000	.02946	.04117	.02152	.27254	.25461	-.08518
8.000	.03036	.04110	.02151	.27591	.37412	-.13134
GRADIENT	.00013	-.00037	.00010	-.00142	.05581	-.02008

LARC UPWT 1152(1A94A) OTSAT130

(1JK007) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04266	.06818	.03033	.29455	- .60131	.23521
-6.000	.04245	.06607	.03082	.29665	- .45276	.17418
-4.000	.04221	.06471	.03049	.29599	- .31124	.11997
-2.000	.04240	.06263	.03086	.29558	- .17570	.06824
.000	.04252	.06155	.03132	.29395	- .04469	.01965
2.000	.04189	.06077	.03164	.29460	.07362	-.02369
4.000	.04118	.06017	.03158	.29124	.19225	-.06710
GRADIENT	-.00013	-.00055	.00015	-.00052	.06281	-.02330

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03266	.05192	.02250	.28953	-.57569	.22653
-6.000	.03272	.05135	.02282	.28545	-.44040	.17406
-4.000	.03309	.05000	.02300	.28103	-.31156	.12559
-2.000	.03341	.04817	.02302	.27908	-.19019	.08034
.000	.03424	.04623	.02321	.27765	-.07516	.03992
2.000	.03450	.04369	.02328	.27708	.03542	.00115
4.000	.03424	.04241	.02314	.27377	.14572	-.04019
GRADIENT	.00017	-.00098	.00003	-.00083	.05701	-.02054

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK008) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04129	.06672	.03088	.29710	- .59959	.23801
-6.000	.04151	.06591	.02986	.29707	- .45021	.17864
-4.000	.04138	.06421	.02907	.29742	- .31113	.12320
-2.000	.04150	.06259	.02977	.29621	- .17451	.07050
0.000	.04099	.06089	.03049	.29539	- .04436	.02213
2.000	.04031	.06124	.03060	.29420	.07730	- .02345
4.000	.03974	.06001	.03055	.29237	.19268	- .06618
GRADIENT	- .00022	- .00049	.00019	- .00061	.06297	- .02364

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03116	.05164	.02290	.28995	- .57405	.22751
-6.000	.03135	.05148	.02285	.28448	- .43597	.17386
-4.000	.03165	.05033	.02281	.28077	- .30722	.12548
-2.000	.03198	.04820	.02279	.27948	- .18806	.08204
0.000	.03277	.04542	.02295	.27771	- .07334	.04191
2.000	.03341	.04368	.02307	.27576	.03633	- .00288
4.000	.03322	.04276	.02297	.27360	.14433	- .03864
GRADIENT	.00023	- .00098	.00003	- .00090	.05637	- .02037

LARC UPWT 1152(1A94A) OTSAT130

(1JK009) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03967	.06752	.02843	.29818	- .58515	23197	
-6.000	.03997	.06604	.02816	.29496	- .43898	.17586	
-4.000	.03963	.06332	.02747	.29823	- .30083	.12186	
-2.000	.03980	.06181	.02750	.30056	- .16445	.06854	
.000	.03956	.06066	.02771	.30168	- .03998	.02297	
2.000	.03913	.05927	.02791	.29923	.07601	-.01909	
4.000	.03779	.05881	.02821	.29517	.19191	-.06268	
GRADIENT	-.00022	-.00058	00009	- .00037	.06130	-.02283	

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02874	.04913	.02156	.29670	- .56634	22244	
-6.000	.02925	.05063	.02110	.28938	- .42804	17052	
-4.000	.02979	.04982	.02084	.28593	- .30579	.12688	
-2.000	.03013	.04705	.02105	.28452	- .19120	.08641	
.000	.03030	.04572	.02141	.28182	- .07559	.04496	
2.000	.03109	.04415	.02180	.27850	.03241	.00682	
4.000	.03080	.04312	.02188	.27408	.14104	-.03545	
GRADIENT	00015	-.00082	00014	- .00149	.05586	-.02021	

LARC UPWT 1152(1A94A) OTSAT130

(1JK010) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04135	.06600	.02577	.30759	-.59706	.23812
-6.000	.04136	.06493	.02696	.30415	-.44500	.17751
-4.000	.04110	.06359	.02679	.30244	-.30303	.12242
-2.000	.04097	.06081	.02595	.30371	-.16806	.07013
.000	.04106	.05932	.02528	.30444	-.04266	.02226
2.000	.04051	.05823	.02537	.30265	.07651	-.02267
4.000	.03988	.05687	.02565	.30039	.19370	-.06608
GRADIENT	-.00015	-.00080	-.00014	-.00026	.06190	-.02349

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03095	.05090	.02086	.29599	-.56172	.22281
-6.000	.03068	.05063	.02012	.29154	-.42698	.17148
-4.000	.03064	.04939	.01931	.28944	-.30083	.12385
-2.000	.03103	.04819	.01900	.28747	-.18387	.08251
.000	.03166	.04593	.01944	.28581	-.07056	.04233
2.000	.03229	.04337	.01996	.28241	.03937	.00268
4.000	.03286	.04214	.02004	.27780	.14749	-.03945
GRADIENT	.00028	-.00097	.00012	-.00142	.05599	-.02032

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK011) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04369	.06645	.02432	.30561	-.59986	.23802
-6.000	.04355	.06533	.02541	.30558	-.44859	.17804
-4.000	.04343	.06375	.02569	.30365	-.30945	.12436
-2.000	.04284	.06175	.02465	.30458	-.17504	.07138
.000	.04232	.06050	.02337	.30588	-.04444	.02181
2.000	.04176	.05975	.02402	.30372	.07688	-.02456
4.000	.04131	.05814	.02449	.30015	.19265	-.06815
GRADIENT	-.00027	-.00066	-.00015	-.00039	.06281	-.02405

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03274	.05008	.01908	.29697	-.56494	.22462
-6.000	.03278	.05018	.01866	.29299	-.43299	.17386
-4.000	.03264	.04916	.01852	.28837	-.30397	.12492
-2.000	.03236	.04728	.01832	.28642	-.18113	.07879
.000	.03281	.04578	.01843	.28454	-.06780	.03777
2.000	.03367	.04388	.01904	.28079	.04048	-.00027
4.000	.03395	.04294	.01929	.27673	.15036	-.04210
GRADIENT	.00020	-.00079	.00011	-.00145	.05651	-.02066

LARC UPWT 1152(1A94A) OTSAT130

(1JK012) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = -5.000
 ELV-R1 = .000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03273	.05248	.02239	.28848	-.58848	.23817	
-6.000	.03290	.05155	.02298	.28469	-.44939	.18210	
-4.000	.03327	.05021	.02306	.28113	-.32089	.13305	
-2.000	.03367	.04814	.02314	.27949	-.20345	.08931	
.000	.03431	.04628	.02335	.27859	-.08612	.04706	
2.000	.03466	.04460	.02341	.27669	.02671	.00713	
4.000	.03460	.04315	.02327	.27351	.13483	-.03308	
GRADIENT	.00018	-.00088	.00003	-.00090	.05708	-.02072	

LARC UPWT 1152(1A94A) OTSAT130

(1JK013) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = -5.000
 ELV-R1 = .000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03127	.05219	.02296	.28935	-.58586	.23808	
-6.000	.03144	.05160	.02295	.28487	-.44965	.18399	
-4.000	.03178	.05058	.02284	.28110	-.32063	.13468	
-2.000	.03211	.04890	.02283	.27919	-.20297	.09142	
.000	.03293	.04562	.02308	.27861	-.08768	.05076	
2.000	.03351	.04413	.02322	.27645	.02524	.00994	
4.000	.03336	.04335	.02303	.27422	.13416	-.03189	
GRADIENT	.00023	-.00096	.00004	-.00083	.05689	-.02073	

LARC UPWT 1152(1A94A) OTSAT130

(1JK014) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02879	.05136	.02186	.29105	-.57378	.23271
-6.000	.02933	.05102	.02115	.28661	-.44071	.18041
-4.000	.02994	.04968	.02089	.28336	-.31520	.13380
-2.000	.03027	.04765	.02112	.28191	-.19936	.09271
.000	.03049	.04569	.02155	.28091	-.08795	.05287
2.000	.03128	.04431	.02189	.27785	.02391	.01282
4.000	.03109	.04367	.02197	.27335	.13335	-.02964
GRADIENT	.00017	-.00077	.00015	-.00120	.05602	-.02034

LARC UPWT 1152(1A94A) OTSAT130

(1JK015) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03100	.05130	.02115	.29518	-.57725	.23552
-6.000	.03075	.05090	.02042	.29201	-.44213	.18084
-4.000	.03071	.05024	.01972	.28943	-.31704	.13438
-2.000	.03108	.04852	.01922	.28819	-.20122	.09283
.000	.03179	.04665	.01948	.28655	-.08518	.05039
2.000	.03235	.04461	.02001	.28341	.02710	.00993
4.000	.03296	.04291	.02019	.27904	.13597	-.03226
GRADIENT	.00029	-.00093	.00009	-.00128	.05572	-.02081

LARC UPWT 1152(1A94A) OTSAT130

(1JK016) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03280	.05139	.01922	.29681	-.58194	.23632	
-6.000	.03283	.05120	.01903	.29279	-.44721	.18369	
-4.000	.03280	.05022	.01878	.28870	-.31902	.13457	
-2.000	.03252	.04842	.01855	.28678	-.19725	.08846	
.000	.03292	.04623	.01869	.28611	-.08450	.04710	
2.000	.03382	.04439	.01926	.28246	.02630	.00785	
4.000	.03413	.04362	.01951	.27803	.13685	-.03396	
GRADIENT	00020	-.00086	.00011	-.00128	.05676	-.02088	

LARC UPWT 1152(1A94A) OTSAT130

(1JK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04391	.06745	.03103	.29734	-.58521	.21896	
-6.000	.04353	.06534	.03176	.29856	-.42963	.15553	
-4.000	.04352	.06382	.03136	.29784	-.28834	.10187	
-2.000	.04385	.06163	.03130	.29802	-.15319	.05033	
.000	.04413	.05965	.03171	.29729	-.02367	.00297	
2.000	.04325	.05841	.03180	.29824	.09521	-.04143	
4.000	.04185	.05778	.03149	.29565	.21411	-.08544	
GRADIENT	-.00020	-.00077	.00004	-.00021	.06266	-.02332	

LARC UPWT 1152(1A94A) OTSAT130

(1JK017) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03331	.04981	.02340	.29212	-.57405	.22176	
-6.000	.03315	.04831	.02393	.28817	-.43760	.16743	
-4.000	.03373	.04683	.02377	.28529	-.31079	.11902	
-2.000	.03457	.04504	.02351	.28282	-.19038	.07420	
.000	.03550	.04270	.02341	.28172	-.07560	.03376	
2.000	.03575	.04022	.02340	.28130	.03697	-.00653	
4.000	.03570	.03888	.02335	.27791	.14572	-.04706	
GRADIENT	.00026	-.00104	-.00005	-.00081	.05702	-.02084	

LARC UPWT 1152(1A94A) OTSAT130

(1JK018) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04298	.06547	.03163	.30011	-.57819	.22036	
-6.000	.04326	.06477	.03078	.30075	-.42619	.16015	
-4.000	.04341	.06296	.03017	.30067	-.29071	.10688	
-2.000	.04328	.06051	.03028	.29954	-.15602	.05516	
.000	.04288	.05836	.03078	.29911	-.02501	.00632	
2.000	.04185	.05778	.03088	.29891	.09711	-.04023	
4.000	.04130	.05704	.03071	.29655	.21394	-.08322	
GRADIENT	-.00028	-.00073	-.00008	-.00044	.06312	-.02376	

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LARC UPWT 1152(1A94A) OTSAT130

(1JK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03245	04928	.02400	.29210	- 57457	.22352
-6.000	03251	04810	02358	28898	- 43550	.16793
-4.000	03266	04688	02335	28572	- 30900	.12032
-2.000	03348	04482	02317	28363	- 18978	.07684
.000	03431	04194	02310	28292	- 07479	.03534
2.000	.03508	03995	02317	.28078	03662	-.00438
4.000	03518	03895	02311	27801	14454	-.04475
GRADIENT	.00031	-.00104	-.00002	- 00091	05667	-.02057

LARC UPWT 1152(1A94A) OTSAT130

(1JK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	04146	.06649	.02922	.30525	-.56268	.21493
-6.000	.04197	06462	02903	.30304	-.41730	.15933
-4.000	04225	.06149	.02836	30360	- 28218	10605
-2.000	04230	.05943	.02824	30466	- 14690	05300
.000	04174	.05770	.02803	.30547	- 01968	.00622
2.000	.04119	.05612	.02809	.30444	09688	-.03589
4.000	.04001	.05555	.02839	.30057	21034	-.07862
GRADIENT	-.00028	-.00076	-.00000	-.00031	.06144	-.02291

LARC UPWT 1152(1A94A) OTSAT130

(1JK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	03015	.04748	.02231	.30062	-.56177	.21978
-6.000	03054	.04705	.02201	.29423	-.43016	.16850
-4.000	03105	.04551	.02145	.29167	-.30642	.12271
-2.000	.03141	04325	.02142	.29045	-.19217	08235
000	03203	04103	.02174	.28920	-.07643	.04081
2.000	.03302	.03931	.02207	.28572	.03405	00049
4.000	03298	03857	.02212	.28086	.14222	- 04175
GRADIENT	00027	-.00089	.00010	-.00132	.05617	- 02054

LARC UPWT 1152(1A94A) OTSAT130

(1JK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	04234	.06564	02721	.31079	-.57923	.22232
-6.000	.04285	.06433	02802	.30792	-.42967	.16331
-4.000	.04280	.06176	02741	.30720	-.28969	10868
-2.000	04284	.05882	.02647	.30801	-.15408	.05547
000	04305	.05689	.02576	30830	-.02724	.00651
2.000	.04264	.05561	02586	.30657	.09212	- 03692
4.000	.04184	.05404	.02609	.30408	.20661	-.07985
GRADIENT	-.00011	-.00093	-.00016	-.00038	.06194	-.02347

LARC UPWT 1152(1A94A) OTSAT130

(1JK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10 000 ELV-LO = -5.000
 ELV-RI = 10 000 ELV-RO = -5 000
 BETA = 4 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.03251	04773	.02141	29875	-.56522	.22052
-6 000	.03253	.04734	.02080	29538	-.42893	.16583
-4 000	.03265	.04601	.01988	29424	-.30226	.11816
-2.000	.03310	.04394	.01958	29267	-.18491	.07588
.000	.03379	.04198	.01983	.29055	-.07227	.03542
2.000	.03445	.03977	.02017	28723	.03968	-.00537
4 000	.03457	.03839	.02022	28322	.15175	-.04857
GRADIENT	.00026	-.00097	.00006	- .00137	.05663	-.02073

LARC UPWT 1152(1A94A) OTSAT130

(1JK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6 000

RN/L = 2.01 GRADIENT INTERVAL = -5 00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04402	.06589	.02542	.30871	-.58026	.22155
-6.000	.04437	.06426	.02615	.30854	-.43098	.16186
-4.000	.04447	.06217	.02582	.30732	-.29130	.10782
-2.000	.04441	.05979	.02507	.30776	-.15844	.05650
.000	.04414	.05794	.02415	.30849	-.02364	.00528
2.000	.04350	.05701	.02471	.30640	.09535	-.04065
4.000	.04312	.05549	.02499	.30312	.21046	-.08425
GRADIENT	-.00018	-.00081	-.00010	-.00049	.06287	-.02407

LARC UPWT 1152(1A94A) OTSAT130

(1JK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -5.000
 ELV-R1 = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L - 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.03358	.04868	01993	.29823	-.56252	.21733
	-6.000	.03349	.04734	.01938	29564	-.43282	.16694
	-4.000	.03373	.04577	.01896	29307	-.30470	.11800
	-2.000	.03397	.04378	.01845	29157	-.18176	.07182
	.000	.03444	.04203	.01858	28935	-.06912	.03040
	2.000	.03524	.03985	.01906	28584	.04358	-.00980
	4.000	.03527	.03887	.01923	28224	.15424	-.05152
	GRADIENT	.00022	-.00089	.00006	-.00137	.05716	-.02103

LARC UPWT 1152(1A94A) OTSAT130

(1JK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = 2.000
 ELV-R1 = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.04404	.06742	.03095	.29740	-.57399	.20980
	-6.000	.04365	.06562	.03165	.29859	-.42188	.14866
	-4.000	.04365	.06389	.03159	.29776	-.28060	.09443
	-2.000	.04393	.06139	.03152	.29807	-.14674	.04345
	.000	.04414	.05924	.03174	.29834	-.01871	-.00279
	2.000	.04312	.05804	.03178	.29931	.10104	-.04681
	4.000	.04204	.05725	.03164	.29754	.21712	-.08952
	GRADIENT	-.00020	-.00083	.00002	.00004	.06216	-.02291

LARC UPWT 1152(1A94A) OTSAT130

(1JK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000							
	-8.000	.03315	.04915	.02340	.29402	-.54529	.20452
	-6.000	.03310	.04831	.02367	.29010	-.41298	.15405
	-4.000	.03377	.04686	.02371	.28638	-.28643	.10697
	-2.000	.03459	.04486	.02352	.28345	-.16741	.06346
	.000	.03552	.04219	.02343	.28295	-.05336	.02317
	2.000	.03563	.03982	.02350	.28243	.05718	-.01594
	4.000	.03544	.03883	.02343	.27894	.16607	-.05642
	GRADIENT	.00022	-.00106	-.00003	-.00079	.05648	-.02031

LARC UPWT 1152(1A94A) OTSAT130

(1JK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550							
	-8.000	.04306	.06524	.03156	.30083	-.56842	.21157
	-6.000	.04339	.06479	.03098	.30051	-.42002	.15321
	-4.000	.04349	.06307	.03041	.30052	-.28136	.09875
	-2.000	.04334	.06030	.03050	.30038	-.14728	.04758
	.000	.04282	.05813	.03092	.30021	-.01725	-.00044
	2.000	.04176	.05729	.03095	.30079	.10122	-.04511
	4.000	.04117	.05658	.03088	.29872	.21644	-.08776
	GRADIENT	-.00031	-.00080	.00007	-.00016	.06220	-.02328

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-L0 = 2.000
 ELV-R1 = 10.000 ELV-R0 = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.03245	.04797	.02352	.29552	-.54595	.20675	
	-6.000	.03256	.04801	.02353	.28975	-.41210	.15551	
	-4.000	.03289	.04736	.02344	.28564	-.28389	.10785	
	-2.000	.03351	.04485	.02329	.28384	-.16588	.06550	
	.000	.03442	.04158	.02320	.28362	-.05519	.02614	
	2.000	.03509	.03959	.02325	.28175	.05496	-.01314	
	4.000	.03507	.03883	.02319	.27890	.16535	-.05474	
	GRADIENT	00030	-.00112	-.00003	-.00078	.05597	-.02019	

LARC UPWT 1152(1A94A) OTSAT130

(1JK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-L0 = 2.000
 ELV-R1 = 10.000 ELV-R0 = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.04166	.06627	.02922	.30643	-.56203	.20969	
	-6.000	.04208	.06449	.02909	.30428	-.41591	.15432	
	-4.000	.04229	.06133	.02842	.30442	-.27319	.09850	
	-2.000	.04231	.05961	.02831	.30543	-.14146	.04668	
	.000	.04192	.05756	.02819	.30335	-.01753	.00188	
	2.000	.04125	.05592	.02817	.30228	.10190	-.04089	
	4.000	.03967	.05499	.02842	.30199	.21750	-.08438	
	GRADIENT	-.00031	-.00082	-.00001	-.00040	.06124	-.02267	

DATE 29 OCT 76

TABULATED SOURCE DATA - IA94A.

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LARC UPWT 1152(IA94A) OTSAT130

(1JK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02990	.04735	.02196	.30008	-.52599	.19918
-6.000	.03046	.04693	.02173	.29506	-.40146	.15244
-4.000	.03091	.04540	.02138	.29233	-.28100	.11044
-2.000	.03127	.04361	.02134	.29093	-.16660	.07016
.000	.03191	.04136	.02161	.29067	-.05483	.03049
2.000	.03281	.03923	.02196	.28678	.05421	-.00896
4.000	.03263	.03853	.02204	.28068	.16416	-.05261
GRADIENT	.00025	-.00091	.00010	-.00137	.05556	-.02026

LARC UPWT 1152(IA94A) OTSAT130

(1JK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04254	.06559	.02715	.31146	-.56821	.21334
-6.000	.04300	.06445	.02795	.30904	-.41982	.15507
-4.000	.04290	.06236	.02762	.30739	-.28076	.10137
-2.000	.04286	.05905	.02652	.30920	-.14448	.04791
.000	.04302	.05682	.02567	.31028	-.01882	.00098
2.000	.04253	.05520	.02581	.30878	.10248	-.04476
4.000	.04161	.05369	.02612	.30678	.21779	-.08766
GRADIENT	-.00015	-.00106	-.00019	-.00008	.06220	-.02354

LARC UPWT 1152(1A94A) OTSAT130

(1JK025) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.03247	.04766	.02090	.30138	-.53341	.20216
-6 000	.03250	.04728	.02046	.29745	-.40274	.15229
-4 000	.03266	.04621	.01994	.29466	-.27912	.10757
-2 000	.03316	.04418	.01962	.29316	-.16623	.06700
.000	.03381	.04164	.01988	.29174	-.05260	.02662
2 000	.03423	.03930	.02016	.28840	.06149	-.01476
4 000	.03433	.03831	.02014	.28423	.17116	-.05801
GRADIENT	.00022	-.00103	.00005	-.00128	.05641	-.02065

LARC UPWT 1152(1A94A) OTSAT130

(1JK026) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04416	.06585	.02529	.30943	-.56700	.21149
-6 000	.04447	.06430	.02605	.30970	-.42127	.15359
-4 000	.04455	.06248	.02585	.30836	-.28386	.10097
-2 000	.04441	.05972	.02511	.30931	-.14446	.04644
.000	.04412	.05790	.02418	.31047	-.01717	-.00141
2 000	.04342	.05674	.02468	.30897	.10220	-.04698
4 000	.04303	.05530	.02505	.30560	.21652	-.08969
GRADIENT	-.00020	-.00087	-.00010	-.00029	.06237	-.02374

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LARC UPWT 1152(1A94A) OTSAT130

(1JK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = 2.000
 ELV-R1 = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03341	.04831	.01949	.30058	-.53905	.20345
-6.000	.03346	.04750	.01917	.29677	-.40818	.15400
-4.000	.03374	.04605	.01886	.29344	-.28125	.10661
-2.000	.03401	.04411	.01842	.29154	-.16439	.06326
.000	.03445	.04206	.01852	.29009	-.04730	.02057
2.000	.03507	.03993	.01896	.28691	.06266	-.01841
4.000	.03509	.03897	.01910	.28314	.17135	-.05960
GRADIENT	.00019	-.00092	.00005	-.00126	.05661	-.02071

LARC UPWT 1152(1A94A) OTSAT130

(1JK027) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04393	.06774	.03106	.29788	-.58931	.22554
-6.000	.04363	.06563	.03178	.29894	-.43829	.16398
-4.000	.04362	.06408	.03147	.29832	-.29973	.11065
-2.000	.04393	.06205	.03119	.29799	-.16105	.05791
.000	.04434	.06018	.03162	.29736	-.03277	.01059
2.000	.04356	.05888	.03184	.29761	.08971	-.03519
4.000	.04227	.05820	.03153	.29557	.20536	-.07785
GRADIENT	-.00015	-.00075	.00004	-.00025	.06305	-.02351

LARC UPWT 1152(1A94A) OTSAT130

(1JK027) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03366	.04995	.02361	.29574	-.56873	.22047	
-6.000	.03352	.04916	.02390	.29148	-.43700	.16931	
-4.000	.03406	.04798	.02396	.28653	-.30595	.12002	
-2.000	.03480	.04564	.02373	.28389	-.18714	.07665	
.000	.03595	.04319	.02356	.28324	-.07386	.03614	
2.000	.03612	.04099	.02358	.28246	.03957	-.00386	
4.000	.03605	.03864	.02356	.27854	.14747	-.04320	
GRADIENT	.00026	-.00107	-.00005	-.00087	.05668	-.02035	

LARC UPWT 1152(1A94A) OTSAT130

(1JK028) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04293	.06571	.03169	.30171	-.58977	.22899	
-6.000	.04323	.06498	.03090	.30194	-.43899	.16932	
-4.000	.04340	.06317	.03018	.30141	-.29695	.11380	
-2.000	.04336	.06087	.03025	.30008	-.16166	.06158	
.000	.04304	.05867	.03084	.29959	-.03341	.01332	
2.000	.04216	.05816	.03098	.29870	.08797	-.03254	
4.000	.04145	.05739	.03077	.29729	.20379	-.07554	
GRADIENT	-.00025	-.00071	.00010	-.00048	.06255	-.02364	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK028) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000	-8.000	.03285	.04790	.02374	.29780	-.56804	.22239
	-6.000	.03291	.04852	.02382	.29139	-.43757	.17111
	-4.000	.03316	.04786	.02367	.28696	-.30539	.12158
	-2.000	.03388	.04505	.02340	.28502	-.18536	.07871
	.000	.03478	.04229	.02327	.28356	-.07298	.03845
	2.000	.03541	.04055	.02332	.28094	.03698	-.00040
	4.000	.03550	.03953	.02334	.27841	.14614	-.04116
	GRADIENT	.00031	-.00106	-.00004	-.00106	.05627	-.02023

LARC UPWT 1152(1A94A) OTSAT130

(1JK029) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550	-8.000	.04153	.06641	.02922	.30596	-.57699	.22457
	-6.000	.04200	.06498	.02914	.30328	-.43372	.16944
	-4.000	.04229	.06226	.02862	.30308	-.29216	.11390
	-2.000	.04243	.05981	.02838	.30459	-.15822	.06138
	.000	.04196	.05810	.02814	.30509	-.02929	.01384
	2.000	.04135	.05641	.02818	.30416	.08591	-.02802
	4.000	.04020	.05594	.02848	.29959	.20148	-.07127
	GRADIENT	-.00026	-.00080	-.00002	-.00037	.06157	-.02299

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK029) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03041	.04687	.02234	.30388	-.56073	.21931
-6.000	.03088	.04738	.02224	.29620	-.42816	.16869
-4.000	.03132	.04606	.02173	.29262	-.30159	.12357
-2.000	.03170	.04421	.02161	.29066	-.18591	.08311
.000	.03229	.04206	.02185	.28965	-.07350	.04273
2.000	.03326	.04006	.02222	.28557	.03721	.00282
4.000	.03325	.03925	.02237	.27988	.14641	-.03956
GRADIENT	.00027	-.00089	.00009	-.00153	.05596	-.02033

LARC UPWT 1152(1A94A) OTSAT130

(1JK030) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04239	.06596	.02707	.31223	-.58563	.22997
-6.000	.04283	.06489	.02774	.30939	-.43643	.17074
-4.000	.04285	.06235	.02759	.30770	-.29866	.11660
-2.000	.04293	.05931	.02659	.30872	-.15944	.06248
.000	.04328	.05753	.02600	.30872	-.03437	.01513
2.000	.04290	.05625	.02600	.30694	.08450	-.03050
4.000	.04207	.05453	.02621	.30461	.20043	-.07362
GRADIENT	-.00008	-.00094	-.00017	-.00040	.06211	-.02367

LARC UPWT 1152(1A94A) OTSAT130

(1JK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	03286	.04832	.02145	.30214	-.55937	.21874
-6 000	03277	.04768	.02075	.29888	-.42517	.16675
-4 000	.03288	.04660	.02010	.29622	-.29809	.11932
-2 000	03346	04474	.01988	.29313	-.18140	.07847
000	03414	.04251	.02013	.29115	-.07047	.03927
2 000	.03473	.04000	02053	.28749	.04329	-.00221
4 000	03493	.03888	02057	.28292	.15367	-.04492
GRADIENT	00027	-.00101	.00008	-.00161	.05641	-.02046

LARC UPWT 1152(1A94A) OTSAT130

(1JK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	04404	06632	.02541	.31017	-.58986	.23010
-6 000	.04439	.06489	.02604	.31017	-.44259	.17101
-4 000	.04445	.06252	.02601	.30860	-.30039	.11653
-2.000	.04449	.06028	.02531	.30869	-.16265	.06259
.000	.04444	.05847	.02445	.30915	-.03510	.01365
2.000	.04384	.05755	.02483	.30764	.08601	-.03313
4.000	.04338	.05623	.02511	.30408	.20308	-.07737
GRADIENT	-.00014	-.00077	-.00011	-.00051	.06278	-.02418

LARC UPWT 1152(1A94A) OTSAT130

(1JK031) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03389	.04786	.01993	.30281	-.56220	.21911
-6.000	.03380	.04779	.01954	.29835	-.42797	.16765
-4.000	.03402	.04646	.01922	.29489	-.29926	.11892
-2.000	.03433	.04471	.01884	.29160	-.17575	.07315
.000	.03479	.04299	.01886	.28933	-.06282	.03239
2.000	.03552	.04063	.01931	.28599	.04537	-.00598
4.000	.03563	.03959	.01956	.28176	.15421	-.04705
GRADIENT	.00022	-.00089	.00006	-.00159	.05640	-.02055

LARC UPWT 1152(1A94A) OTSAT130

(1JK032) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04413	.06763	.03111	.29906	-.58720	.22440
-6.000	.04383	.06564	.03179	.30012	-.43534	.16232
-4.000	.04378	.06406	.03163	.29886	-.29858	.10953
-2.000	.04420	.06175	.03129	.29870	-.16182	.05738
.000	.04460	.05985	.03164	.29786	-.03370	.00997
2.000	.04365	.05858	.03180	.29891	.08982	-.03555
4.000	.04247	.05800	.03151	.29654	.20646	-.07855
GRADIENT	-.00016	-.00076	.00001	-.00022	.06309	-.02345

LARC UPWT 1152(1A94A) OTSAT130

(1JK033) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04325	.06561	.03165	.30261	-.58810	.22791
-6.000	.04356	.06491	.03098	.30232	-.43761	.16889
-4.000	.04363	.06327	.03053	.30176	-.29670	.11330
-2.000	.04357	.06097	.03035	.30097	-.16104	.06096
.000	.04321	.05857	.03073	.30091	-.03057	.01222
2.000	.04226	.05789	.03092	.30010	.09014	-.03337
4.000	.04169	.05730	.03074	.29780	.20442	-.07593
GRADIENT	-.00026	-.00075	.00005	-.00044	.06267	-.02364

LARC UPWT 1152(1A94A) OTSAT130

(1JK034) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04183	.06538	.02932	.30641	-.57665	.22377
-6.000	.04224	.06461	.02913	.30416	-.42700	.16583
-4.000	.04256	.06166	.02858	.30383	-.28870	.11157
-2.000	.04267	.05945	.02845	.30494	-.15530	.05956
.000	.04213	.05768	.02814	.30549	-.02562	.01200
2.000	.04168	.05616	.02819	.30420	.08783	-.02935
4.000	.04041	.05577	.02849	.29993	.20413	-.07311
GRADIENT	-.00027	-.00075	-.00002	-.00043	.06144	-.02291

LARC UPWT 1152(1A94A) OTSAT130

(1JK035) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04268	.06560	.02719	.31349	-.58110	.22802	
-6 000	04313	.06452	02785	31097	-.43648	.16999	
-4 000	04310	06216	.02763	30910	-.29498	.11474	
-2.000	04326	05964	.02680	.30884	-.15857	.06206	
.000	04356	.05723	.02601	30983	-.02876	.01267	
2 000	.04315	.05585	.02600	.30794	.08811	-.03205	
4 000	04227	.05445	02616	.30580	20236	-.07487	
GRADIENT	-.00009	-.00096	-.00019	-.00037	06207	-.02367	

LARC UPWT 1152(1A94A) OTSAT130

(1JK036) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	04425	.06602	.02552	.31150	-.58577	.22843	
-6.000	04457	.06462	.02612	.31144	-.43833	.16889	
-4 000	04467	.06252	.02598	30982	-.29926	.11571	
-2.000	.04482	05999	.02526	.30994	-.16423	.06248	
.000	.04473	05814	02444	.31076	-.03531	.01368	
2.000	.04410	.05722	02487	.30849	.08721	-.03341	
4 000	.04360	.05575	02509	.30558	.20400	-.07819	
GRADIENT	-.00014	-.00082	-.00011	-.00050	.06290	-.02418	

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK037) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04443	.06765	.03131	.29784	-.58467	.21822
-6.000	.04415	.06541	.03216	.29865	- .43287	.15637
-4.000	.04408	.06387	.03170	.29777	-.29003	.10150
-2.000	.04444	.06163	.03159	.29738	-.15649	.05076
.000	.04470	.05962	.03191	.29685	-.02728	.00323
2.000	.04376	.05850	.03198	.29756	.08982	-.04016
4.000	.04253	.05782	.03167	.29534	.20998	-.08436
GRADIENT	-.00019	-.00076	.00002	-.00023	.06232	-.02313

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03383	.04873	.02373	.29455	-.57692	.21915
-6.000	.03355	.04865	.02402	.28992	-.44080	.16443
-4.000	.03405	.04721	.02398	.28563	- .31045	.11610
-2.000	.03483	.04488	.02371	.28356	-.18601	.07048
.000	.03598	.04263	.02360	.28174	-.07012	.02916
2.000	.03626	.04012	.02365	.28122	.04063	-.00963
4.000	.03611	.03885	.02356	.27788	.14849	-.04892
GRADIENT	.00028	-.00107	-.00004	-.00089	.05722	-.02051

LARC UPWT 1152(1A94A) OTSAT130

(1JK038) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550	-8.000	.04352	.06572	.03184	.30028	- 58072	.21949
	-6.000	.04383	.06491	.03109	.30058	- 43273	.16137
	-4.000	.04390	.06299	.03052	.29985	- 29045	.10577
	-2.000	.04367	.06079	.03058	.29904	- 15726	.05470
	.000	.04330	.05838	.03097	.29852	- 02364	.00465
	2.000	.04245	.05765	.03107	.29845	.09252	- 03868
	4.000	.04178	.05696	.03081	.29686	.20783	- 08193
	GRADIENT	- 00027	- 00076	.00005	- .00033	.06232	- .02344

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000	-8.000	.03289	.04860	.02394	.29535	- 57559	.22025
	-6.000	.03299	.04825	.02388	.29011	- 43310	.16357
	-4.000	.03328	.04706	.02363	.28607	- 30014	.11450
	-2.000	.03391	.04463	.02344	.28328	- 18075	.07179
	.000	.03489	.04186	.02337	.28157	- 06878	.03167
	2.000	.03555	.02972	.02339	.27984	.04286	- .00766
	4.000	.03554	.03883	.02333	.27711	.15186	- 04800
	GRADIENT	.00031	- 00107	- .00003	- .00107	.05638	- .02022

LARC UPWT 1152(1A94A) OTSAT130

(1JK039) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04211	.06664	.02946	.30694	-.56786	.21676
-6.000	.04253	.06479	.02932	.30516	-.42313	.16151
-4.000	.04286	.06159	.02871	.30437	-.28584	.10766
-2.000	.04291	.05962	.02863	.30498	-.15169	.05471
.000	.04231	.05766	.02824	.30592	-.02244	.00744
2.000	.04178	.05613	.02828	.30477	.09353	-.03440
4.000	.04044	.05557	.02863	.30087	.20719	-.07698
GRADIENT	-.00030	-.00078	-.00003	-.00036	.06156	-.02292

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03062	.04758	.02256	.30215	-.56641	.21643
-6.000	.03098	.04700	.02216	.29666	-.43370	.16553
-4.000	.03145	.04565	.02169	.29252	-.30755	.11994
-2.000	.03185	.04317	.02164	.29086	-.19158	.07970
.000	.03240	.04097	.02189	.28971	-.07570	.03764
2.000	.03334	.03917	.02225	.28561	.03553	-.00234
4.000	.03332	.03846	.02234	.28030	.14552	-.04471
GRADIENT	.00026	-.00092	.00010	-.00149	.05666	-.02057

LARC UPWT 1152(1A94A) OTSAT130

(1JK040) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-L0 = -5.000
 ELV-R1 = 12.000 ELV-R0 = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04289	.06578	.02743	.30988	-.57814	.22124
-6.000	.04335	.06448	.02827	.30708	-.43106	.16281
-4.000	.04330	.06191	.02769	.30591	-.29197	.10787
-2.000	.04339	.05910	.02663	.30648	-.15472	.05450
.000	.04362	.05714	.02598	.30667	-.02271	.00514
2.000	.04322	.05555	.02610	.30526	.09184	-.03861
4.000	.04233	.05409	.02631	.30279	.20558	-.08035
GRADIENT	-.00011	-.00096	-.00016	-.00037	.06208	-.02348

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03306	.04767	.02111	.30117	-.56057	.21438
-6.000	.03299	.04725	.02053	.29766	-.42316	.16079
-4.000	.03301	.04629	.01999	.29423	-.29521	.11346
-2.000	.03353	.04436	.01974	.29174	-.17808	.07163
.000	.03423	.04185	.02010	.28908	-.06255	.03103
2.000	.03486	.03917	.02048	.28591	.05011	-.00972
4.000	.03496	.03826	.02043	.28146	.15732	-.05146
GRADIENT	.00026	-.00106	.00008	-.00157	.05666	-.02056

LARC UPWT 1152(1A94A) OTSAT130

(1JK041) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04457	.06617	.02563	.30700	-.57942	.21924
-6.000	.04483	.06447	.02634	.30736	-.43291	.16119
-4.000	.04497	.06247	.02598	.30586	-.29368	.10753
-2.000	.04494	.05995	.02528	.30619	-.15538	.05345
.000	.04474	.05812	.02445	.30685	-.02505	.00422
2.000	.04409	.05711	.02491	.30503	.09277	-.04084
4.000	.04367	.05570	.02519	.30163	.20587	-.08329
GRADIENT	-.00017	-.00082	-.00010	-.00048	.06236	-.02380

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03398	.04892	.01992	.29908	-.55581	.21075
-6.000	.03388	.04723	.01932	.29620	-.42416	.16061
-4.000	.03412	.04590	.01909	.29249	-.29653	.11289
-2.000	.03438	.04408	.01867	.28989	-.17523	.06792
.000	.03477	.04237	.01872	.28713	-.05951	.02594
2.000	.03558	.03989	.01927	.28380	.04875	-.01208
4.000	.03563	.03886	.01944	.28012	.15876	-.05354
GRADIENT	.00021	-.00091	.00007	-.00154	.05673	-.02064

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(1JK042) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = 2.000
 ELV-R1 = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04471	.06788	.03133	.29700	-.57050	.20727
-6.000	.04436	.06594	.03213	.29859	-.41992	.14642
-4.000	.04430	.06407	.03208	.29792	-.27872	.09208
-2.000	.04460	.06149	.03199	.29825	-.14077	.03931
.000	.04483	.05971	.03217	.29755	-.01425	-.00607
2.000	.04369	.05837	.03218	.29933	.10716	-.05117
4.000	.04259	.05743	.03202	.23755	.22378	-.09337
GRADIENT	-.00022	-.00082	.00000	.00002	.06265	-.02307

LARC UPWT 1152(1A94A) OTSAT130

(1JK043) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = 2.000
 ELV-R1 = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04379	.06582	.03191	.30080	-.56856	.21042
-6.000	.04410	.06511	.03137	.30066	-.42019	.15264
-4.000	.04414	.06310	.03076	.30115	-.28071	.09776
-2.000	.04386	.06104	.03090	.30033	-.14144	.04417
.000	.04338	.05830	.03137	.30038	-.01244	-.00380
2.000	.04245	.05735	.03137	.30050	.10732	-.04787
4.000	.04182	.05657	.03125	.29882	.22169	-.09070
GRADIENT	-.00030	-.00083	.00007	-.00022	.06268	-.02345

LARC UPWT 1152(IA94A) OTSAT130

(1JK044) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04239	.06664	.02949	.30553	-.55496	.20599
-6.000	.04276	.06492	.02944	.30371	-.41097	.15121
-4.000	.04304	.06201	.02897	.30365	-.27340	.09700
-2.000	.04302	.05954	.02875	.30442	-.13598	.04288
.000	.04237	.05762	.02854	.30645	-.01254	-.00218
2.000	.04180	.05590	.02852	.30546	.10392	-.04373
4.000	.04040	.05534	.02880	.30203	.22008	-.08729
GRADIENT	-.00032	-.00085	-.00003	-.00011	.06134	-.02276

LARC UPWT 1152(IA94A) OTSAT130

(1JK045) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04319	.06603	.02755	.31187	-.56611	.21203
-6.000	.04368	.06486	.02821	.30991	-.41895	.15384
-4.000	.04358	.06223	.02790	.30871	-.27724	.09872
-2.000	.04352	.05920	.02677	.30987	-.14331	.04693
.000	.04372	.05727	.02601	.31076	-.01375	-.00227
2.000	.04324	.05564	.02606	.30930	.10646	-.04748
4.000	.04230	.05333	.02643	.30717	.21963	-.08884
GRADIENT	-.00014	-.00101	-.00018	-.00018	.06218	-.02348

LARC UPWT 1152(1A94A) OTSAT130

(1JK046) (15 OCT 76)

REFERENCE DATA

TREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04477	.06628	.02563	.31007	-.56759	.21128
-6.000	.04507	.06485	.02625	.31038	-.41597	.15094
-4.000	.04513	.06290	.02611	.30912	-.27902	.09816
-2.000	.04512	.06027	.02542	.30982	-.14360	.04534
.000	.04490	.05800	.02451	.31114	-.01706	-.00265
2.000	.04421	.05704	.02493	.30961	.10476	-.04908
4.000	.04363	.05559	.02527	.30648	.22138	-.09213
GRADIENT	-.00020	-.00089	-.00011	-.00027	.06246	-.02375

LARC UPWT 1152(1A94A) OTSAT130

(1JK047) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04388	.06802	.03117	.29613	-.57669	.21208
-6.000	.04353	.06599	.03197	.29753	-.42458	.15033
-4.000	.04340	.06457	.03169	.29691	-.28163	.09600
-2.000	.04360	.06247	.03167	.29677	-.14727	.04450
.000	.04379	.06033	.03200	.29645	-.02186	-.00110
2.000	.04282	.05912	.03204	.29810	.10166	-.04647
4.000	.04178	.05824	.03197	.29609	.21693	-.08816
GRADIENT	-.00020	-.00080	.00005	-.00002	.06230	-.02296

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LARC UPWT 1152(1A94A) OTSAT130

(1JK048) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-1.550	-8.000	.04285	.06582	.03183	.29951	-.57308	.21468
-6.000	-6.000	.04309	.06543	.03126	.29932	-.42340	.15559
-4.000	-4.000	.04307	.06393	.03045	.29949	-.28410	.10112
-2.000	-2.000	.04292	.06179	.03058	.29849	-.14946	.04970
0.000	0.000	.04242	.05913	.03113	.29900	-.01996	.00137
2.000	2.000	.04140	.05848	.03116	.29971	.10062	-.04330
4.000	4.000	.04092	.05763	.03116	.29774	.21531	-.08603
GRADIENT		-.00029	-.00080	.00010	-.00011	.06244	-.02336

LARC UPWT 1152(1A94A) OTSAT130

(1JK049) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-1.550	-8.000	.04132	.06695	.02934	.30415	-.56219	.21081
-6.000	-6.000	.04168	.06578	.02936	.30137	-.41424	.15446
-4.000	-4.000	.04191	.06301	.02870	.30106	-.27590	.10077
-2.000	-2.000	.04197	.06062	.02843	.30321	-.14099	.04729
0.000	0.000	.04151	.05875	.02837	.30434	-.01779	.00269
2.000	2.000	.04091	.05674	.02836	.30375	.10047	-.03994
4.000	4.000	.03961	.05605	.02873	.30025	.21570	-.08296
GRADIENT		-.00028	-.00089	-.00000	-.00005	.06123	-.02273

LARC UPWT 1152(1A94A) OTSAT130

(1JK050) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	04212	06608	.02720	.31042	-.57074	.21646
	-6.000	04253	06530	02800	.30818	-.42111	.15788
	-4.000	.04257	06323	.02767	.30656	-.28491	.10442
	-2.000	.04254	.05995	02661	.30833	-.14402	.04958
	.000	.04278	.05809	.02591	.30856	-.01835	.00175
	2.000	.04231	.05639	.02590	.30763	.10275	-.04357
	4.000	04151	05474	.02632	30509	.21316	-.08454
	GRADIENT	-.00012	-.00103	-.00017	-.00018	.06215	-.02355

LARC UPWT 1152(1A94A) OTSAT130

(1JK051) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.04405	.06647	.02542	.30869	-.57535	.21673
	-6.000	04415	.06536	02610	.30939	-.42716	.15797
	-4.000	.04422	.06344	02606	.30787	-.28549	.10350
	-2.000	.04408	06096	.02532	30857	-.15025	.05012
	.000	.04391	05892	.02423	.30961	-.01857	.00075
	2.000	04327	.05791	.02482	.30780	.09955	-.04447
	4.000	.04278	.05627	02526	.30469	.21530	-.08771
	GRADIENT	-.00018	-.00087	-.00011	-.00036	.06257	-.02385

LARC UPWT 1152(1A94A) OTSAT130

(1JK052) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04381	.06815	.03108	.29517	-.59053	.22293
-6.000	.04345	.06598	.03177	.29631	-.43394	.15958
-4.000	.04330	.06455	.03134	.29615	-.29437	.10593
-2.000	.04355	.06257	.03131	.29557	-.15767	.05421
.000	.04384	.06086	.03173	.29460	-.03098	.00748
2.000	.04293	.05961	.03190	.29589	.09132	-.03785
4.000	.04187	.05888	.03178	.29339	.20594	-.08003
GRADIENT	-.00017	-.00072	.00007	-.00026	.06248	-.02320

LARC UPWT 1152(1A94A) OTSAT130

(1JK053) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04263	.06605	.03173	.29854	-.58744	.22530
-6.000	.04296	.06551	.03108	.29797	-.43485	.16494
-4.000	.04300	.06392	.03021	.29810	-.29287	.10948
-2.000	.04294	.06216	.03026	.29695	-.15896	.05780
.000	.04249	.05956	.03083	.29712	-.03108	.00979
2.000	.04147	.05896	.03099	.29694	.08822	-.03426
4.000	.04100	.05818	.03091	.29485	.20534	-.07801
GRADIENT	-.00027	-.00073	.00011	-.00032	.06218	-.02335

LARC UPWT 1152(1A94A) OTSAT130

(1JK054) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550	-8.000	.04120	.06704	.02925	.30329	-.57876	.22265
	-6.000	.04155	.06573	.02912	.30046	-.42815	.16514
	-4.000	.04183	.06276	.02837	.30051	-.29019	.11075
	-2.000	.04195	.06078	.02824	.30165	-.15551	.05800
	.000	.04150	.05907	.02811	.30265	-.02799	.01146
	2.000	.04100	.05728	.02825	.30114	.08983	-.03108
	4.000	.03975	.05664	.02860	.29720	.20538	-.07489
	GRADIENT	-.00026	-.00079	.00002	-.00036	.06182	-.02302

LARC UPWT 1152(1A94A) OTSAT130

(1JK055) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550	-8.000	.04197	.06648	.02700	.30932	-.58103	.22538
	-6.000	.04240	.06550	.02776	.30651	-.42985	.16557
	-4.000	.04242	.06293	.02745	.30551	-.29527	.11275
	-2.000	.04255	.06027	.02662	.30571	-.15647	.05833
	.000	.04287	.05817	.02583	.30643	-.02961	.01094
	2.000	.04246	.05690	.02595	.30455	.09196	-.03532
	4.000	.04169	.05537	.02613	.30229	.20287	-.07655
	GRADIENT	-.00008	-.00092	-.00017	-.00038	.06224	-.02361

LARC UPWT 1152(1A94A) OTSAT130

(1JK056) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI * 8.000 ELV-LO = -5.000
 ELV-RI * 8.000 ELV-RO = -5.000
 BETA * 6.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04387	.06582	.02545	.30773	-.58440	.22547
-6.000	.04402	.06545	.02619	.30693	-.43643	.16641
-4.000	.04412	.06355	.02604	.30602	-.29720	.11256
-2.000	.04407	.06122	.02534	.30594	-.15674	.05757
0.000	.04398	.05939	.02423	.30725	-.03337	.01048
2.000	.04334	.05937	.02471	.30542	.08823	-.03601
4.000	.04295	.05690	.02508	.30181	.20381	-.07948
GRADIENT	-.00015	-.00081	-.00013	-.00045	.06235	-.02388

LARC UPWT 1152(1A94A) OTSAT130

(1JK057) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04371	.06799	.03110	.29464	-.58413	.22905
-6.000	.04340	.06592	.03182	.29547	-.44034	.16594
-4.000	.04329	.06485	.03149	.29442	-.29969	.11154
-2.000	.04345	.06283	.03125	.29462	-.16291	.05994
0.000	.04383	.06095	.03175	.29391	-.03516	.01271
2.000	.04303	.05990	.03200	.29427	.08572	-.03289
4.000	.04202	.05914	.03185	.29141	.20511	-.07709
GRADIENT	-.00015	-.00072	.00007	-.00032	.06291	-.02351

LARC UPWT 1152(1A94A) OTSAT130

(1JK058) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04253	.06607	.03174	.29792	-.59224	.23138	
-6.000	.04278	.06548	.03106	.29753	-.44017	.17166	
-4.000	.04288	.06399	.03019	.29768	-.30331	.11793	
-2.000	.04288	.06171	.03024	.29664	-.16525	.06418	
.000	.04252	.05966	.03087	.29646	-.03480	.01562	
2.000	.04159	.05921	.03113	.29521	.08517	-.02967	
4.000	.04111	.05844	.03096	.29325	.20280	-.07399	
GRADIENT	-.00024	-.00068	.00012	-.00051	.06313	-.02388	

LARC UPWT 1152(1A94A) OTSAT130

(1JK059) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04100	.06702	.02921	.30205	-.58137	.22739	
-6.000	.04140	.06571	.02908	.29914	-.42876	.16878	
-4.000	.04176	.06337	.02862	.29786	-.29215	.11425	
-2.000	.04191	.06088	.02830	.29980	-.15395	.06060	
.000	.04151	.05921	.02817	.30079	-.02522	.01321	
2.000	.04104	.05751	.02834	.29961	.08955	-.02855	
4.000	.03990	.05690	.02862	.29523	.20551	-.07255	
GRADIENT	-.00023	-.00082	.00000	-.00027	.06194	-.02314	

LARC UPWT 1152(1A94A) OTSAT130

(1JK061) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -10.000
 ELV-R1 = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04176	.06630	.02701	.30948	-.58891	.23321
-6.000	.04221	.06532	.02787	.30628	-.43903	.17332
-4.000	.04238	.06313	.02751	.30474	-.29887	.11839
-2.000	.04250	.06025	.02667	.30555	-.16627	.06580
.000	.04285	.05839	.02592	.30612	-.03542	.01659
2.000	.04259	.05727	.02598	.30352	.08626	-.03001
4.000	.04184	.05555	.02618	.30126	.19843	-.07192
GRADIENT	-.00005	-.00091	-.00017	-.00045	.06236	-.02382

LARC UPWT 1152(1A94A) OTSAT130

(1JK061) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -10.000
 ELV-R1 = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04374	.06635	.02552	.30745	-.59350	.23398
-6.000	.04391	.06543	.02632	.30665	-.44488	.17440
-4.000	.04409	.06377	.02618	.30497	-.30441	.12002
-2.000	.04412	.06146	.02548	.30523	-.16795	.06627
.000	.04413	.05956	.02432	.30652	-.03956	.01695
2.000	.04359	.05869	.02491	.30403	.08079	-.03016
4.000	.04318	.05737	.02519	.30032	.20053	-.07513
GRADIENT	-.00012	-.00076	-.00013	-.00053	.06293	-.02434

LARC UPWT 1152(1A94A) OTSAT129

(MJK001) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12723	.03670	.30431	.12173	.52793	.00902	.03018
-6.000	-.12015	.03881	.29029	.10936	.47434	.00094	.00314
-4.000	-.11919	.04072	.28554	.09521	.41307	-.00826	-.01383
-2.000	-.12044	.04315	.28559	.08068	.35003	-.01559	-.02610
.000	-.12243	.04488	.28540	.06791	.29468	-.01825	-.03055
2.000	-.12546	.04709	.28887	.05539	.24034	-.02103	-.03520
4.000	-.12546	.04846	.28786	.04416	.19159	-.02530	-.04235
GRADIENT	-.00088	.00097	.00040	-.00637	-.02763	-.00198	-.00331

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12025	.03344	.29209	.05511	.23680	.00134	.00444
-6.000	-.11469	.03402	.28203	.04118	.17686	-.00493	-.00818
-4.000	-.11508	.03655	.27975	.02853	.12257	-.00997	-.01653
-2.000	-.11763	.03796	.27993	.01540	.06617	-.01505	-.02494
.000	-.11978	.03865	.27720	.00406	.01745	-.02159	-.03578
2.000	-.12286	.03904	.27752	-.00760	-.01416	-.02898	-.04803
4.000	-.12280	.03935	.27650	-.01624	-.03028	-.03469	-.05747
GRADIENT	-.00103	.00033	-.00045	-.00563	-.01930	-.00317	-.00525

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT129

(MJK002) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08351	.02397	.20276	.12207	.52950	.01178	.03944
-6.000	-.07850	.02562	.19232	.10967	.47579	.00334	.01117
-4.000	-.07697	.02656	.18770	.09551	.41442	-.00620	-.01038
-2.000	-.07928	.02843	.18877	.08116	.35211	-.01370	-.02294
.000	-.08058	.02966	.18816	.07018	.30450	-.01701	-.02847
2.000	-.08421	.03121	.19139	.05815	.25238	-.01988	-.03329
4.000	-.08453	.03284	.19343	.04708	.20431	-.02390	-.04002
GRADIENT	-.00100	.00077	.00070	-.00599	-.02600	-.00208	-.00348

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08315	.02246	.20229	.05491	.23574	.00321	.01062
-6.000	-.07770	.02363	.19320	.04373	.18774	-.00230	-.00381
-4.000	-.07812	.02549	.19053	.03133	.13454	-.00863	-.01429
-2.000	-.08188	.02665	.19182	.01831	.07861	-.01465	-.02428
.000	-.08394	.02701	.19265	.00614	.02635	-.02080	-.03446
2.000	-.08629	.02716	.19368	-.00409	-.00763	-.02779	-.04604
4.000	-.08559	.02707	.19150	-.01195	-.02227	-.03354	-.05557
GRADIENT	-.00097	.00018	.00019	-.00545	-.01999	-.00315	-.00522

LARC UPWT 1152(1A94A) OTSAT129

(MJK003) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00433	.00237	.01432	.12357	.53561	.02018	.06751
-6.000	-.00459	.00264	.01347	.11309	.49019	.00835	.02794
-4.000	-.00529	.00276	.01540	.10195	.44200	.00107	.00359
-2.000	-.00555	.00242	.01373	.09206	.39904	-.00673	-.01125
.000	-.00643	.00249	.01483	.08034	.34831	-.01121	-.01875
2.000	-.00741	.00237	.01659	.06931	.30043	-.01514	-.02532
4.000	-.00716	.00205	.01646	.06178	.26777	-.01935	-.03236
GRADIENT	-.00028	-.00007	.00025	-.00515	-.02235	-.00246	-.00430

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00282	.00163	.01033	.06049	.25986	.00571	.01893
-6.000	-.00318	.00213	.01238	.05051	.21687	.00002	.00007
-4.000	-.00356	.00253	.01254	.04123	.17700	-.00664	-.01100
-2.000	-.00319	.00223	.01195	.03135	.13456	-.01487	-.02462
.000	-.00411	.00253	.01460	.01963	.08420	-.02237	-.03702
2.000	-.00456	.00235	.01524	.00909	.03898	-.02880	-.04766
4.000	-.00428	.00188	.01419	.00374	.01604	-.03343	-.05530
GRADIENT	-.00014	-.00006	.00033	-.00486	-.02088	-.00338	-.00558

LARC UPWT 1152(1A94A) OTSAT129

(MJK004) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07094	-.01818	-.17028	.12326	.53484	.03255	.10900
-6.000	.06608	-.02012	-.16148	.11458	.49713	.01937	.06485
4.000	.06538	-.02101	-.15886	.10729	.46555	.01143	.03828
-2.000	.06840	-.02255	-.15849	.09771	.42392	.00533	.01784
000	.06823	-.02359	-.15622	.08737	37910	-.00084	-.00141
2.000	.06901	-.02492	-.15519	.07849	34034	-.00738	-.01234
4.000	.06841	-.02622	-.15562	.07043	30523	-.01267	-.02119
GRADIENT	00027	-.00064	.00049	-.00465	-02021	-.00305	-.00746

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07566	-.01769	-.17451	.07022	30152	.00862	.02855
-6.000	.06941	-.01882	-.16389	.05955	.25572	.00302	.01000
-4.000	.06926	-.02040	-.16058	.04935	21188	-.00411	-.00680
-2.000	.07189	-.02115	-.15889	.03984	.17108	-.01123	-.01860
000	.07285	-.02154	-.15757	.03124	.13412	-.01673	-.02772
2.000	.07175	-.02138	-.15412	.02247	.09649	-.02238	-.03707
4.000	.06881	-.02072	-.14899	.01640	.07044	-.02637	-.04369
GRADIENT	-.00004	-.00004	.00140	-.00416	-.01787	-.00278	-.00461

LARC UPWT 1152(1A94A) OTSAT129

(MJK005) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	.11279	-.03031	-.26692	.12268	.53226	.03743	.12533
-6.000	.10566	-.03234	-.25460	.11417	.49545	.02463	.08247
-4.000	.10320	-.03379	-.24815	.10676	.46356	.01701	.05698
-2.000	.10378	-.03548	-.24418	.09925	.43098	.01167	.03910
.000	.10739	-.03793	-.24626	.09059	.39332	.00595	.01993
2.000	.10794	-.03960	-.24552	.08210	.35649	-.00164	-.00275
4.000	.10589	-.04111	-.24383	.07553	.32799	-.00785	-.01315
GRADIENT	.00048	-.00094	.00037	-.00398	-.01728	-.00315	-.00911

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	.11290	-.02959	-.26560	.07546	.32401	.01176	.03895
-6.000	.10540	-.02981	-.25374	.06441	.27664	.00537	.01780
-4.000	.10421	-.03161	-.24713	.05458	.23437	-.00099	-.00164
-2.000	.10757	-.03274	-.24657	.04619	.19832	-.00721	-.01195
.000	.10808	-.03336	-.24322	.03843	.16507	-.01387	-.02298
2.000	.11023	-.03395	-.24174	.03075	.13205	-.01972	-.03268
4.000	.10899	-.03388	-.23856	.02426	.10417	-.02306	-.03821
GRADIENT	.00061	-.00029	.00110	-.00380	-.01633	-.00283	-.00469

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(MJK006) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-4.000	.00384	-.00010	-.00203	.10204	.44119	.00118	.00395
-2.000	.00422	-.00058	-.00343	.09272	.40093	-.00627	-.01046
.000	.00298	-.00065	-.00185	.08175	.35364	-.01107	-.01849
2.000	.00134	-.00055	.00133	.06977	.30174	-.01512	-.02522
4.000	.00246	-.00164	-.00163	.06306	.27278	-.01980	-.03305
6.000	.00161	-.00154	.00043	.05113	.22120	-.02497	-.04168
8.000	.00082	-.00126	.00149	.03921	.16965	-.02880	-.04808
GRADIENT	-.00028	-.00015	.00028	-.00505	-.02180	-.00254	-.00444

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-4.000	-.00003	.00042	.00252	.04253	.18266	-.00688	-.01140
-2.000	-.00027	.00037	.00225	.03308	.14211	-.01469	-.02436
.000	-.00076	.00037	.00375	.02327	.09998	-.02245	-.03722
2.000	-.00142	.00066	.00582	.01321	.05673	-.02897	-.04802
4.000	-.00173	.00039	.00518	.00706	.03035	-.03350	-.05553
6.000	-.00337	.00021	.00653	.00380	.01632	-.03409	-.05652
8.000	-.00381	.00017	.00756	-.00309	-.00576	-.03443	-.05706
GRADIENT	-.00023	.00001	.00044	-.00454	-.01950	-.00338	-.00560

LARC UPWT 1152(1A94A) OTSAT130

(MJK007) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12615	.03610	.30192	.12160	.52677	.00629	.02102
-6.000	-.11965	.03827	.29057	.10886	.47172	-.00138	-.00231
-4.000	-.11895	.04023	.28512	.09472	.41063	-.01005	-.01680
-2.000	-.11945	.04226	.28257	.08037	.34843	-.01784	-.02984
.000	-.12146	.04412	.28223	.06680	.28961	-.02085	-.03488
2.000	-.12314	.04561	.28367	.05483	.23775	-.02334	-.03905
4.000	-.12335	.04720	.28276	.04336	.18800	-.02716	-.04544
GRADIFNT	-.00062	.00087	-.00018	-.00641	-.02780	-.00199	-.00332

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11885	.03314	.29028	.05336	.22920	.00007	.00024
-6.000	-.11265	.03373	.27954	.04056	.17424	-.00563	-.00934
-4.000	-.11253	.03581	.27511	.02737	.11755	-.01081	-.01792
-2.000	-.11560	.03726	.27534	.01384	.05943	-.01596	-.02645
.000	-.11894	.03819	.27557	.00287	.01235	-.02199	-.03645
2.000	-.12230	.03912	.27654	-.00727	-.01355	-.02927	-.04850
4.000	-.12146	.03949	.27380	-.01490	-.02778	-.03491	-.05785
GRADIENT	-.00123	.00046	-.00007	-.00528	-.01818	-.00307	-.00510

LARC UPWT 1152(1A94A) OTSAT130

(MJK00B) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L - 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH =	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
1.550	-8.000	-.08161	.02285	.19743	.12070	.52308	.00981	.03282
	-6.000	-.07649	.02470	.18863	.10824	.46915	.00113	.00378
	-4.000	-.07602	.02610	.18550	.09501	.41176	-.00812	-.01358
	-2.000	-.07649	.02720	.18343	.08133	.35252	-.01574	-.02633
	.000	-.07811	.02850	.18324	.06934	.30051	-.01915	-.03202
	2.000	-.08167	.03002	.18709	.05721	.24798	-.02198	-.03677
	4.000	-.08220	.03170	.18871	.04675	.20259	-.02573	-.04302
	GRADIENT	-.00088	.00070	.00050	-.00603	-.02614	-.00207	-.00347

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
2.000	-8.000	-.08046	.02186	.19721	.05487	.23568	.00196	.00651
	-6.000	-.07496	.02275	.18724	.04358	.18718	-.00397	-.00658
	-4.000	-.07468	.02456	.18341	.03125	.13424	-.00962	-.01595
	-2.000	-.07859	.02575	.18600	.01751	.07522	-.01533	-.02541
	.000	-.08098	.02622	.18674	.00508	.02184	-.02082	-.03450
	2.000	-.08233	.02628	.18617	-.00484	-.00902	-.02771	-.04593
	4.000	-.08106	.02598	.18338	-.01228	-.02289	-.03400	-.05635
	GRADIENT	-.00083	.00017	.00001	-.00547	-.01993	-.00306	-.00507

LARC UPWT 1152(1A94A) OTSAT130

(MJK009) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00318	.00234	.01234	.12523	54244	.01702	.05690
-6.000	-.00335	.00249	.01192	.11310	.48979	.00524	.01752
-4.000	-.00257	.00201	.01064	.10062	.43255	-.00161	-.00267
-2.000	-.00402	.00214	.01219	.09021	.38910	-.00959	-.01595
.000	-.00514	.00219	.01355	.07889	.34211	-.01386	-.02320
2.000	-.00742	.00231	.01722	.06791	.29473	-.01743	-.02919
4.000	-.00630	.00170	.01510	.06085	.26387	-.02176	-.03641
GRADIENT	-.00054	-.00002	.00070	-.00509	-.02159	-.00241	-.00404

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00260	.00199	.01149	.05909	.25409	.00376	.01247
-6.000	-.00273	.00236	.01174	.04892	.21015	-.00235	-.02390
-4.000	-.00245	.00259	.01174	.03967	.17046	-.00824	-.01367
-2.000	-.00305	.00260	.01288	.02972	.12765	-.01577	-.02614
.000	-.00355	.00253	.01324	.01779	.07647	-.02357	-.03909
2.000	-.00433	.00243	.01440	.00762	.03274	-.02960	-.04909
4.000	-.00515	.00213	.01557	.00204	.00875	-.03428	-.05684
GRADIENT	-.00033	-.00005	.00046	-.00487	-.02092	-.00330	-.00546

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(MJK010) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	.07073	-.01709	-.16784	.12292	.53291	.02874	.09615
-6.000	.06544	-.01904	-.15913	.11425	.49541	.01655	.05539
-4.000	.06586	-.02027	-.15568	.10568	.45812	.00810	.02711
-2.000	.06761	-.02197	-.15575	.09640	.41800	.00240	.00804
.000	.06869	-.02349	-.15565	.08701	.37729	-.00354	-.00593
2.000	.07016	-.02488	-.15622	.07907	.34284	-.00945	-.01581
4.000	.06858	-.02632	-.15534	.07038	.30530	-.01484	-.02484
GRADIENT	.00040	-.00075	.00001	-.00440	-.01904	-.00289	-.00639

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	.07176	-.01630	-.16737	.06726	.28894	.00600	.01991
-6.000	.06696	-.01756	-.15811	.05737	.24641	.00140	.00465
-4.000	.06747	-.01939	-.15537	.04816	.20688	-.00478	-.00793
-2.000	.07047	-.02040	-.15640	.03915	.16814	-.01191	-.01974
.000	.07183	-.02088	-.15446	.03089	.13265	-.01811	-.03001
2.000	.07108	-.02098	-.15163	.02137	.09180	-.02406	-.03988
4.000	.06839	-.02044	-.14747	.01479	.06355	-.02809	-.04655
GRADIENT	.00012	-.00013	.00103	-.00423	-.01815	-.00294	-.00487

LARC UPWT 1152(IA94A) OTSAT130

(MJK011) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11422	-.02961	-.26630	.12254	.53143	.03429	.11478
-6.000	.10709	-.03181	-.25430	.11391	.49396	.02130	.07127
-4.000	.10404	-.03314	-.24688	.10626	.46083	.01379	.04615
-2.000	.10379	-.03491	-.24265	.09818	.42579	.00884	.02958
.000	.10656	-.03746	-.24324	.08938	.38764	.00356	.01190
2.000	.10749	-.03924	-.24350	.08136	.35289	-.00394	-.00660
4.000	.10551	-.04064	-.24101	.07454	.32333	-.01019	-.01705
GRADIENT	.00033	-.00097	.00054	-.00401	-.01739	-.00304	-.00813

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10882	-.02742	-.25699	.07216	.31007	.00950	.03149
-6.000	.10360	-.02835	-.24863	.06287	.27018	.00393	.01303
-4.000	.10296	-.03049	-.24274	.05451	.23423	-.00202	-.00334
-2.000	.10579	-.03176	-.24180	.04649	.19977	-.00845	-.01402
.000	.10808	-.03275	-.24095	.03862	.16595	-.01505	-.02495
2.000	.10894	-.03327	-.23890	.03059	.13143	-.02115	-.03506
4.000	.10758	-.03325	-.23525	.02354	.10113	-.02484	-.04117
GRADIENT	.00062	-.00035	.00089	-.00389	-.01673	-.00292	-.00483

LARC UPWT 1152(1A94A) OTSAT130

(MJK012) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12244	.03415	.29678	.05397	.23178	.01593	-5.22720	
-6.000	-.11542	.03448	.28396	.04081	.17523	.00999	-5.24691	
-4.000	-.11483	.03653	.27921	.02775	.11917	.00463	-5.26466	
-2.000	-.11802	.03806	.28003	.01519	.06521	-.00079	-5.28131	
.000	-.12116	.03919	.28011	.00436	.01873	-.00700	-5.29160	
2.000	-.12402	.03980	.28017	-.00603	-.01123	-.01340	-5.30220	
4.000	-.12339	.03990	.27799	-.01413	-.02632	-.01854	-5.31070	
GRADIENT	-.00116	.00042	-.00011	-.00525	-.01837	-.00295	-.00565	

LARC UPWT 1152(1A94A) OTSAT130

(MJK013) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08318	.02257	.20083	.05467	.23449	.01690	-5.22405	
-6.000	-.07781	.02356	.19174	.04417	.18956	.01155	-5.24173	
-4.000	-.07750	.02551	.18889	.03179	.13670	.00554	-5.26162	
-2.000	-.08108	.02661	.19036	.01849	.07960	-.00062	-5.28103	
.000	-.08284	.02695	.19021	.00641	.02759	-.00613	-5.29019	
2.000	-.08348	.02694	.18890	-.00567	-.00709	-.01234	-5.30049	
4.000	-.08237	.02657	.18641	-.01179	-.02199	-.01820	-5.31016	
GRADIENT	-.00061	.00012	-.00032	-.00547	-.02020	-.00296	-.00583	

LARC UPWT 1152(1A94A) OTSAT130

(MJK014) (15 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L - 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHEO	ELV-LO
-8.000	-.00424	00261	.01414	.06025	.25949	.01830	-5.21919
-6.000	-.00453	00293	.01541	.04955	.21321	.01280	-5.23748
-4.000	-.00400	00305	.01428	.04007	.17198	.00669	-5.25785
-2.000	-.00477	00319	.01562	.03063	13137	-.00121	-5.28200
.000	-.00496	.00300	.01563	.01920	08236	-.00900	-5.29490
2.000	-.00585	.00284	.01643	.00877	03758	-.01529	-5.30529
4.000	-.00653	.00260	.01774	.00235	.01007	-.02043	-5.31376
GRADIENT	-.00031	-.00006	.00039	-.00487	-.02088	-.00342	-.00676

LARC UPWT 1152(1A94A) OTSAT130

(MJK015) (15 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHEO	ELV-LO
-8.000	.07167	-.01586	-.16586	.06787	.29194	.02092	-5.21055
-6.000	.06568	-.01683	-.15626	.05800	.24944	.01591	-5.22718
-4.000	.06606	-.01881	-.15374	.04884	.21007	.00959	-5.24816
-2.000	.06840	-.01972	-.15317	.03964	.17052	.00259	-5.27142
.000	.07073	-.02047	-.15342	.03130	.13461	-.00356	-5.28591
2.000	.06969	-.02040	-.14954	.02212	.09517	-.00952	-5.29580
4.000	.06727	-.01980	-.14489	.01512	.06504	-.01406	-5.30334
GRADIENT	.00019	-.00013	.00107	-.00425	-.01827	-.00297	-.00674

LARC UPWT 1152(1A94A) OTSAT130

(MJK016) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11027	-.02724	-.25925	.07360	.31657	.02401	-5.20031
-6.000	.10286	-.02783	-.24707	.06356	.27340	.01828	-5.21931
-4.000	.10257	-.03003	-.24298	.05490	.23623	.01233	-5.23906
-2.000	.10502	-.03126	-.24166	.04658	.20041	.00590	-5.26041
.000	.10725	-.03231	-.24066	.03901	.16786	-.00003	-5.28006
2.000	.10844	-.03296	-.23854	.03130	.13470	-.00623	-5.29035
4.000	.10753	-.03294	-.23552	.02412	.10380	-.01090	-5.29810
GRADIENT	.00067	-.00037	.00090	-.00384	-.01653	-.00293	-.00740

LARC UPWT 1152(1A94A) OTSAT130

(MJK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12826	.03624	.30684	.01784	10.28026	.02435	-5.19864
-6.000	-.12071	.03845	.29310	.00571	10.22772	.01680	-5.22388
-4.000	-.11897	.04023	.28549	-.00690	10.19004	.00883	-5.25052
-2.000	-.12005	.04260	.28473	-.01899	10.16729	.00165	-5.27450
.000	-.12163	.04433	.28342	-.03008	10.14631	-.00205	-5.28343
2.000	-.12372	.04597	.28505	-.04015	10.12730	-.00528	-5.28885
4.000	-.12458	.04759	.28514	-.04822	10.11211	-.00940	-5.29576
GRADIENT	-.00074	.00090	-.00002	-.00519	-.00979	-.00217	-.00524

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L - 2.00 GRADIENT INTERVAL * -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11899	.03339	29011	-.03503	10.13782	.01784	-5.22099
-6.000	-.11297	.03407	28006	-.04640	10.11664	.01181	-5.24094
-4.000	-.11250	.03619	.27546	-.05646	10.09772	.00650	-5.25847
-2.000	-.11494	.03763	.27540	-.06615	10.07961	.00117	-5.27614
.000	-.11757	.03879	.27463	-.07452	10.06398	-.00491	-5.28814
2.000	-.12092	.03968	.27543	-.08315	10.04788	-.01151	-5.29909
4.000	-.12125	.03994	.27483	-.08816	10.03856	-.01722	-5.30855
GRADIENT	-.00117	.00048	-.00006	-.00402	-.00750	-.00301	-.00616

LARC UPWT 1152(1A94A) OTSAT130

(MJK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08357	.02339	20340	.01975	10.28880	.02656	-5.19095
-6.000	-.07740	.02502	.19052	.00796	10.23757	.01869	-5.21737
-4.000	-.07701	.02641	.18759	-.00398	10.19551	.01014	-5.24603
-2.000	-.07804	.02771	.18648	-.01578	10.17325	.00363	-5.26783
.000	-.07959	.02899	.18643	-.02584	10.15428	-.00014	-5.28024
2.000	-.08426	.03085	.19150	-.03651	10.13418	-.00376	-5.28629
4.000	-.08388	.03234	.19204	-.04388	10.12028	-.00803	-5.29345
GRADIENT	-.00100	.00075	.00070	-.00503	-.00948	-.00219	-.00566

LARC UPWT 1152(1A94A) OTSAT130

(MJK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08121	.02205	.19837	-.03062	10.14590	.01895	-5.21719
-6.000	-.07388	.02276	.18476	-.03996	10.12845	.01304	-5.23676
-4.000	-.07499	.02515	.18441	-.04977	10.11014	.00725	-5.25596
-2.000	-.07828	.02612	.18616	-.06006	10.09098	.00141	-5.27534
.000	-.07985	.02636	.18580	-.06911	10.07410	-.00457	-5.28757
2.000	-.08058	.02653	.18399	-.07845	10.05666	-.01095	-5.29816
4.000	-.07980	.02620	.18145	-.08360	10.04702	-.01693	-5.30808
GRADIENT	-.00060	.00013	-.00040	-.00430	-.00803	-.00304	-.00635

LARC UPWT 1152(1A94A) OTSAT130

(MJK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00479	.00252	.01615	.02919	10.32959	.03297	-5.16966
-6.000	-.00471	.00258	.01505	.01844	10.28291	.02067	-5.21085
-4.000	-.00497	.00246	.01378	.00940	10.24373	.01459	-5.23121
-2.000	-.00579	.00236	.01488	-.00000	10.20300	.00776	-5.25405
.000	-.00718	.00263	.01776	-.01072	10.18285	.00342	-5.26857
2.000	-.00755	.00228	.01710	-.02003	10.16533	-.00070	-5.28117
4.000	-.00788	.00214	.01779	-.02492	10.15615	-.00568	-5.28949
GRADIENT	-.00038	-.00004	.00051	-.00443	-.01064	-.00245	-.00718

LARC UPWT 1152(1A94A) OTSAT130

(MJK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00112	.00180	.00942	-.01826	10.16888	.01974	-5.21441
-6.000	- .00181	.00197	.00979	-.02466	10.15691	.01413	-5.23305
-4.000	-.00272	.00249	.01207	-.03209	10.14318	.00840	-5.25215
-2.000	- .00246	.00233	.01157	-.03966	10.12914	.00102	-5.27664
.000	- .00242	.00225	.01138	-.04977	10.11026	-.00707	-5.29172
2.000	- .00389	.00222	.01388	-.05936	10.09234	-.01373	-5.30276
4.000	- .00436	.00185	.01402	-.06339	10.08484	-.01900	-5.31148
GRADIENT	- .00024	-.00007	.00031	-.00412	-.00767	-.00348	-.00724

LARC UPWT 1152(1A94A) OTSAT130

(MJK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06921	-.01708	-.16447	.03279	10.34564	.04680	-5.12286
-6.000	.06396	-.01890	-.15538	.02531	10.31313	.03360	-5.16718
-4.000	.06365	-.01985	-.15230	.01907	10.28597	.02635	-5.19155
-2.000	.06453	-.02135	-.15041	.01217	10.25595	.02054	-5.21104
.000	.06711	-.02328	-.15265	.00520	10.22564	.01470	-5.23064
2.000	.06789	-.02427	-.15239	-.00188	10.19945	.00778	-5.25389
4.000	.06631	-.02544	-.15070	-.00916	10.18570	.00125	-5.27581
GRADIENT	.00043	-.00070	.00006	-.00353	-.01285	-.00315	-.01057

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LARC UPWT 1152(1A94A) OTSAT130

(MJK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07334	-.01666	-.16828	-.00127	10.20062	.02202	-5.20696	
-6.000	.06680	-.01793	-.15790	-.00773	10.18858	.01694	-5.22381	
-4.000	.06660	-.01976	-.15510	-.01462	10.17572	.01052	-5.24510	
-2.000	.06975	-.02077	-.15574	-.02139	10.16309	.00356	-5.26821	
.000	.07121	-.02130	-.15415	-.02688	10.15284	-.00241	-5.28400	
2.000	.07061	-.02143	-.15074	-.03397	10.13962	-.00862	-5.29429	
4.000	.06924	-.02105	-.14803	-.03990	10.12855	-.01338	-5.30219	
GRADIENT	.00031	-.00016	.00096	-.00316	-.00589	-.00300	-.00701	

LARC UPWT 1152(1A94A) OTSAT130

(MJK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11195	-.02953	-.26250	.03513	10.35588	.05207	-5.10514	
-6.000	.10475	-.03163	-.25078	.02697	10.32034	.04014	-5.14523	
-4.000	.10241	-.03319	-.24478	.02021	10.29089	.03143	-5.17451	
-2.000	.10178	-.03484	-.24075	.01384	10.26318	.02692	-5.18964	
.000	.10516	-.03743	-.24135	.00813	10.23836	.02195	-5.20633	
2.000	.10623	-.03897	-.24148	.00233	10.21316	.01385	-5.23353	
4.000	.10403	-.04026	-.23879	-.00314	10.19706	.00592	-5.26012	
GRADIENT	.00038	-.00091	.00056	-.00291	-.01188	-.00320	-.01076	

LARC UPWT 1152(1A94A) OTSAT130

(MJK021) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11031	- .02824	-.25992	.00646	10.23077	.02489	-5.19745	
-6.000	.10307	- .02898	-.24818	-.00073	10.20164	.01920	-5.21632	
-4.000	.10204	- .03077	-.24232	-.00734	10.18930	.01340	-5.23554	
-2.000	.10477	- .03211	-.24148	-.01360	10.17762	.00704	-5.25664	
.000	.10742	- .03321	-.24080	-.01891	10.16790	.00096	-5.27682	
2.000	.10849	- .03391	-.23835	-.02413	10.15798	-.00528	-5.28877	
4.000	.10743	- .03382	-.23500	-.02939	10.14816	-.01001	-5.29661	
GRADIENT	.00072	- .00040	.00089	-.00273	- .00510	-.00296	-.00771	

LARC UPWT 1152(1A94A) OTSAT130

(MJK022) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12495	.03537	.30000	.01527	10.26921	-.00531	3.63811	
-6.000	-.11767	.03748	.28656	.00279	10.21511	-.01321	3.62490	
-4.000	-.11733	.03966	.28311	-.01034	10.18354	-.02164	3.61080	
-2.000	-.11870	.04211	.28133	-.02177	10.16204	-.02846	3.59940	
.000	-.11933	.04349	.27850	-.03231	10.14221	-.03100	3.59516	
2.000	-.12208	.04539	.28230	-.04255	10.12292	-.03354	3.59089	
4.000	-.12239	.04690	.28156	-.05067	10.10763	-.03754	3.58420	
GRADIENT	-.00067	.00089	-.00011	-.00507	-.00955	-.00184	-.00309	

LARC UPWT 1152(IA94A) OTSAT130

(MJK022) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11731	.03293	.28747	-.03719	10.13370	- .00811	3.63356
-6.000	- .11165	.03372	.27657	-.04830	10.11301	- .01319	3.62516
-4.000	- .11133	.03593	.27283	-.05921	10.09269	- .01804	3.61712
-2.000	- .11446	.03730	.27276	-.06894	10.07459	- .02304	3.60886
.000	- .11765	.03864	.27271	-.07830	10.05709	- .02920	3.59863
2.000	- .12091	.03939	.27333	-.08733	10.04020	- .03595	3.58743
4.000	- .12098	.03983	.27224	-.09118	10.03298	- .04170	3.57788
GRADIENT	-.00129	.00049	-.00003	-.00412	- .00769	- .00301	- .00500

LARC UPWT 1152(IA94A) OTSAT130

(MJK023) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08128	.02266	.19795	.01875	10.28426	- .00238	3.64302
-6.000	-.07652	.02450	.18893	.00618	10.22980	- .01051	3.62942
-4.000	-.07734	.02643	.18862	-.00667	10.19046	- .01982	3.61386
-2.000	-.07670	.02715	.18398	-.01854	10.16811	- .02646	3.60274
.000	-.07774	.02816	.18345	-.02899	10.14846	- .02951	3.59765
2.000	-.08279	.03030	.19010	-.03855	10.13048	- .03209	3.59335
4.000	-.08104	.03111	.18668	-.04641	10.11573	- .03592	3.58695
GRADIENT	-.00067	.00063	.00011	-.00497	- .00935	- .00189	- .00316

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .08007	.02182	.19713	-.03260	10.14219	-.00601	3.63704
-6.000	- .07322	.02271	.18480	-.04233	10.12405	-.01157	3.62782
-4.000	- .07440	.02491	.18297	-.05251	10.10507	-.01648	3.61968
-2.000	- .07807	.02586	.18494	-.06330	10.08493	-.02210	3.61036
.000	- .07987	.02618	.18579	-.07302	10.06681	-.02748	3.60144
2.000	- .08185	.02649	.18590	-.08228	10.04959	-.03367	3.59120
4.000	- .08112	.02627	.18254	-.08637	10.04196	-.04027	3.58026
GRADIENT	- .00086	.00017	.00001	-.00433	-.00808	-.00296	-.00490

LARC UPWT 1152(1A94A) OTSAT130

(MJK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00122	.00161	.00898	.02702	10.32034	.00588	3.66669
-6.000	- .00196	.00195	.01033	.01671	10.27588	-.00515	3.63833
-4.000	- .00241	.00172	.01044	.00591	10.22884	-.01235	3.62617
-2.000	- .00331	.00173	.01162	-.00315	10.19701	-.02015	3.61296
.000	- .00455	.00198	.01376	-.01228	10.17972	-.02376	3.60695
2.000	- .00552	.00170	.01475	-.02158	10.16232	-.02721	3.60140
4.000	- .00510	.00140	.01338	-.02614	10.15411	-.03172	3.59427
GRADIENT	- .00038	-.00003	.00045	-.00413	-.00921	-.00229	-.00377

LARC UPWT 1152(1A94A) OTSAT130

(MJK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00027	.00143	.00825	-.01954	10.16651	-.00367	3.64091
-6.000	-.00122	.00171	.00951	-.02646	10.15384	-.00934	3.63158
-4.000	-.00105	.00183	.00852	-.03290	10.14182	-.01480	3.62255
-2.000	-.00188	.00197	.01031	-.04144	10.12584	-.02253	3.60971
.000	-.00292	.00210	.01242	-.05249	10.10515	-.02961	3.59794
2.000	-.00340	.00191	.01265	-.06144	10.08833	-.03576	3.58768
4.000	-.00397	.00154	.01312	-.06417	10.08320	-.04101	3.57895
GRADIENT	-.00037	-.00003	.00058	-.00413	-.00774	-.00328	-.00546

LARC UPWT 1152(1A94A) OTSAT130

(MJK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07227	-.01815	-.16911	.02981	10.33211	.01620	3.70115
-6.000	.06729	-.01988	-.16038	.02290	10.30221	.00682	3.66979
-4.000	.06589	-.02049	-.15484	.01733	10.27810	-.00017	3.64671
-2.000	.06675	-.02191	-.15377	.00992	10.24599	-.00671	3.63578
.000	.06812	-.02333	-.15307	.00227	10.21284	-.01249	3.62612
2.000	.07178	-.02548	-.15854	-.00434	10.19484	-.01862	3.61587
4.000	.06896	-.02623	-.15464	-.01130	10.18174	-.02413	3.60667
GRADIENT	.00056	-.00075	-.00022	-.00358	-.01219	-.00299	-.00500

LARC UPWT 1152(1A94A) OTSAT130

(MJK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07087	- .01680	-.16530	-.00262	10.19830	-.00076	3.64575
-6.000	.06702	- .01837	-.15873	-.00914	10.18596	-.00490	3.63888
-4.000	.06752	- .02025	-.15588	-.01621	10.17278	-.01091	3.62892
-2.000	.07040	- .02106	-.15649	-.02282	10.16045	-.01770	3.61767
.000	.07144	- .02155	-.15460	-.02906	10.14881	-.02381	3.60755
2.000	.07218	- .02189	-.15294	-.03623	10.13546	-.03016	3.59702
4.000	.07052	- .02143	-.14957	-.04144	10.12575	-.03423	3.59027
GRADIENT	.00039	-.00016	.00081	-.00319	-.00595	-.00296	-.00490

LARC UPWT 1152(1A94A) OTSAT130

(MJK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11391	- .03031	-.26522	.03188	10.34111	.01986	3.71339
-6.000	.10677	- .03209	-.25243	.02470	10.30998	.01050	3.68211
-4.000	.10458	- .03371	-.24737	.01893	10.28502	.00478	3.66297
-2.000	.10499	- .03576	-.24514	.01178	10.25404	.00014	3.64747
.000	.10715	- .03780	-.24305	.00594	10.22875	-.00562	3.63760
2.000	.10871	- .03969	-.24551	-.00001	10.20298	-.01286	3.62550
4.000	.10691	- .04111	-.24257	-.00561	10.19244	-.01960	3.61423
GRADIENT	.00042	-.00094	.00046	-.00304	-.01181	-.00309	-.00597

LARC UPWT 1152(1A94A) OTSAT130

(MJK026) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10910	-.02834	-.25878	.00550	10.22663	.00303	3.65706
-6.000	.10398	-.02948	-.24961	-.00139	10.20041	-.00216	3.64342
-4.000	.10355	-.03149	-.24406	-.00785	10.18836	-.00806	3.63364
-2.000	.10645	-.03273	-.24357	-.01399	10.17693	-.01433	3.62326
.000	.10820	-.03354	-.24080	-.01996	10.16579	-.02109	3.61206
2.000	.10990	-.03427	-.23933	-.02576	10.15499	-.02746	3.60150
4.000	.10948	-.03449	-.23759	-.03049	10.14618	-.03091	3.59579
GRADIENT	.00077	-.00038	.00086	-.00285	-.00532	-.00294	-.00487

LARC UPWT 1152(1A94A) OTSAT130

(MJK027) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12563	.03590	.30087	.01560	10.27057	.04635	-10.30805
-6.000	-.11835	.03794	.28784	.00286	10.21538	.03673	-10.34020
-4.000	-.11794	.03996	.28345	-.00989	10.18439	.02664	-10.37389
-2.000	-.11882	.04243	.28227	-.02192	10.16174	.01924	-10.39859
.000	-.12183	.04470	.28407	-.03236	10.14207	.01489	-10.41316
2.000	-.12289	.04583	.28369	-.04235	10.12323	.01146	-10.42463
4.000	-.12485	.04773	.28597	-.05030	10.10826	.00772	-10.43715
GRADIENT	-.00089	.00095	.00032	-.00506	-.00954	-.00228	-.00763

LARC UPWT 1152(IA94A) OTSAT130

(MJK027) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11782	.03332	.28957	-.03907	10.13015	.03192	-10.35719
-6.000	-.11239	.03402	.28001	-.05011	10.10945	.02527	-10.37913
-4.000	-.11219	.03619	.27587	-.06059	10.08985	.01953	-10.39817
-2.000	-.11471	.03756	.27399	-.06999	10.07226	.01381	-10.41713
.000	-.11867	.03873	.27634	-.07806	10.05721	.00856	-10.43459
2.000	-.12217	.03977	.27761	-.08681	10.04084	.00302	-10.45298
4.000	-.12181	.04000	.27526	-.09111	10.03302	-.00176	-10.46592
GRADIENT	-.00134	.00049	.00012	-.00389	-.00725	-.00267	-.00857

LARC UPWT 1152(IA94A) OTSAT130

(MJK028) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08217	.02307	.19881	.01894	10.28513	.04806	-10.30213
-6.000	-.07793	.02520	.19231	.00627	10.23017	.03884	-10.33304
-4.000	-.07605	.02625	.18545	-.00620	10.19133	.02827	-10.36843
-2.000	-.07767	.02777	.18556	-.01907	10.16711	.02084	-10.39326
.000	-.07967	.02921	.18657	-.02872	10.14896	.01640	-10.40813
2.000	-.08271	.03028	.18852	-.03851	10.13054	.01248	-10.42127
4.000	-.08236	.03161	.18837	-.04582	10.11679	.00877	-10.43365
GRADIENT	-.00088	.00066	.00044	-.00493	-.00928	-.00237	-.00792

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LARC UPWT 1152(1A94A) OTSAT130

(MJK028) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08016	.02217	.19607	-.03446	10.13879	.03275	-10.35450
-6.000	-.07442	.02314	.18691	-.04387	10.12124	.02642	-10.37546
-4.000	-.07460	.02523	.18395	-.05401	10.10236	.02055	-10.39491
-2.000	-.07833	.02626	.18602	-.06421	10.08337	.01377	-10.41740
.000	-.08094	.02681	.18774	-.07316	10.06669	.00828	-10.43556
2.000	-.08214	.02689	.18573	-.08161	10.05095	.00309	-10.45277
4.000	-.08131	.02652	.18356	-.08638	10.04203	-.00202	-10.46634
GRADIENT	-.00086	.00016	-.00005	-.00411	-.00765	-.00279	-.00891

LARC UPWT 1152(1A94A) OTSAT130

(MJK029) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00267	.00218	.01139	.02863	10.32714	.05623	-10.27483
-6.000	-.00354	.00253	.01207	.01720	10.27744	.04322	-10.31864
-4.000	-.00456	.00256	.01337	.00701	10.23336	.03418	-10.34886
-2.000	-.00492	.00233	.01317	-.00207	10.19910	.02529	-10.37836
.000	-.00601	.00234	.01456	-.01308	10.17833	.02055	-10.39408
2.000	-.00760	.00253	.01564	-.02190	10.16169	.01647	-10.40778
4.000	-.00731	.00200	.01648	-.02653	10.15297	.01102	-10.42607
GRADIENT	-.00041	-.00005	.00048	-.00435	-.00991	-.00276	-.00919

LARC UPWT 1152(1A94A) OTSAT130

(MJK029) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00172	00200	.01112	-.02160	10.16254	.03153	-10.35803
-6.000	-.00183	.00196	.00986	-.02795	10.15069	.02693	-10.37337
-4.000	-.00204	00237	.01080	-.03490	10.13784	.02057	-10.39471
-2.000	-.00309	00264	.01316	-.04336	10.12220	.01244	-10.42178
.000	-.00426	00271	.01473	-.05350	10.10334	.00602	-10.44307
2.000	-.00511	00245	.01504	-.06245	10.08661	.00024	-10.46220
4.000	-.00547	00205	.01524	-.06600	10.08000	-.00497	-10.47123
GRADIENT	-.00044	-.00004	.00054	-.00407	-.00756	-.00316	-.00967

LAPC UPWT 1152(1A94A) OTSAT130

(MJK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07068	-.01757	-.16727	.03149	10.33949	.06669	-10.23995
-6.000	06501	-.01917	-.15711	.02380	10.30613	.05516	-10.27853
-4.000	06328	-.01981	-.15258	.01731	10.27800	04755	-10.30401
-2.000	06620	-.02198	-.15570	.01014	10.24693	.03990	-10.32958
.000	.06674	-.02330	-.15369	00241	10.21346	.03152	-10.35758
2.000	.06885	-.02476	-.15519	-.00457	10.19439	02266	-10.38720
4.000	.06769	-.02602	-.15395	-.01136	10.18163	01610	-10.40916
GRADIENT	.00057	-.00076	-.00011	-.00360	-.01226	-.00401	-.01340

LARC UPWT 1152(1A94A) OTSAT130

(MJK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07206	-.01545	-.15736	-.00408	10.19539	.03620	-10.34309
-6.000	.05570	-.01750	-.15753	-.01018	10.18403	.02902	-10.36686
-4.000	.06597	-.01935	-.15470	-.01726	10.17084	.02181	-10.39075
-2.000	.06915	-.02052	-.15516	-.02378	10.15870	.01439	-10.41535
.000	.07048	-.02106	-.15352	-.02909	10.14882	.00892	-10.43346
2.000	.06968	-.02110	-.14949	-.03640	10.13521	.00337	-10.45186
4.000	.06819	-.02076	-.14640	-.04247	10.12389	-.00063	-10.46404
GRADIENT	.00025	-.00017	.00111	-.00315	-.00587	-.00280	-.00915

LARC UPWT 1152(1A94A) OTSAT130

(MJK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11196	-.02967	-.26306	.03390	10.34989	.07189	-10.22265
-6.000	.10413	-.03143	-.24963	.02550	10.31348	.06115	-10.25854
-4.000	.10138	-.03292	-.24343	.01865	10.28383	.05390	-10.28275
-2.000	.10111	-.03467	-.24005	.01149	10.25279	.04713	-10.30537
.000	.10501	-.03743	-.24198	.00519	10.22551	.04043	-10.32776
2.000	.10628	-.03917	-.24331	-.00040	10.20225	.02970	-10.36365
4.000	.10504	-.04061	-.24144	-.00565	10.19237	.01978	-10.39685
GRADIENT	.00062	-.00099	.00004	-.00303	-.01167	-.00428	-.01432

LARC UPWT 1152(1A94A) OTSAT130

(MJK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10864	-.02775	-.25828	.00404	10.22033	.03928	-10.33294
-6.000	.10125	-.02816	-.24532	-.00289	10.19762	.03086	-10.36082
-4.000	.10083	-.03027	-.24046	-.00951	10.18528	.02402	-10.38344
-2.000	.10489	-.03204	-.24151	-.01569	10.17377	.01766	-10.40452
.000	.10673	-.03299	-.23927	-.02093	10.16401	.01161	-10.42456
2.000	.10726	-.03352	-.23606	-.02605	10.15447	.00593	-10.44336
4.000	.10653	-.03361	-.23362	-.03107	10.14513	.00209	-10.45608
GRADIENT	.00069	-.00041	.00096	-.00267	-.00498	-.00278	-.00921

LARC UPWT 1152(1A94A) OTSAT130

(MJK032) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12613	.03610	.30198	.00670	12.11007	.04547	-10.31076
-6.000	-.11888	.03810	.28886	-.00526	12.07107	.03613	-10.34178
-4.000	-.11776	.03998	.28349	-.01751	12.04793	.02637	-10.37449
-2.000	-.11764	.04203	.27991	-.02862	12.02699	.01821	-10.40190
.000	-.12048	.04422	.28144	-.03807	12.00918	.01388	-10.41646
2.000	-.12253	.04574	.28263	-.04742	11.99169	.01104	-10.42603
4.000	-.12516	.04772	.28643	-.05549	11.97655	.00758	-10.43765
GRADIENT	-.00098	.00096	.00043	-.00474	-.00890	-.00224	-.00752

LARC UPWT 1152(1A94A) OTSAT130

(MJK033) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08438	.02385	.20342	.01011	12.12479	.04725	-10.30502
-6.000	-.07691	.02483	.18926	-.00171	12.07779	.03812	-10.33546
-4.000	-.07640	.02642	.18687	-.01371	12.05520	.02757	-10.37075
-2.000	-.07799	.02790	.18692	-.02584	12.03235	.01946	-10.39789
.000	-.07971	.02929	.18689	-.03462	12.01583	.01520	-10.41213
2.000	-.08335	.03073	.19026	-.04408	11.99805	.01191	-10.42315
4.000	-.08334	.03193	.19066	-.05137	11.98430	.00838	-10.43494
GRADIENT	-.00096	.00069	.00055	-.00468	-.00881	-.00230	-.00768

LARC UPWT 1152(1A94A) OTSAT130

(MJK034) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00345	.00235	.01313	.01836	12.16063	.05525	-10.27807
-6.000	-.00337	.00253	.01195	.00735	12.11290	.04167	-10.32344
-4.000	-.00423	.00239	.01245	-.00232	12.07662	.03228	-10.35494
-2.000	-.00550	.00253	.01476	-.01088	12.06052	.02448	-10.38108
.000	-.00601	.00232	.01435	-.01956	12.04422	.01991	-10.39642
2.000	-.00689	.00213	.01540	-.02787	12.02863	.01559	-10.41093
4.000	-.00731	.00196	.01658	-.03198	12.02093	.01047	-10.42802
GRADIENT	-.00038	-.00006	.00044	-.00382	-.00716	-.00262	-.00880

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK035) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06974	-0.1746	-.16678	.02204	12.17652	.06550	-10.24396
-6.000	.06487	-.01895	-.15895	.01434	12.14314	.05418	-10.28180
-4.000	.06408	-.01993	-.15457	.00806	12.11591	.04673	-10.30673
-2.000	.06646	-.02210	-.15628	.00165	12.08817	.03889	-10.33292
.000	.06832	-.02386	-.15686	-.00524	12.07115	.03055	-10.36085
2.000	.06937	-.02492	-.15565	-.01089	12.06052	.02252	-10.38771
4.000	.06790	-.02601	-.15430	-.01664	12.04970	.01573	-10.41039
GRADIENT	.00053	-.00075	.00006	-.00310	-.00800	-.00392	-.01311

LARC UPWT 1152(1A94A) OTSAT130

(MJK036) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11167	-.02971	-.26345	.02495	12.18917	.07044	-10.22729
-6.000	.10442	-.03142	-.25047	.01662	12.15306	.05943	-10.26417
-4.000	.10193	-.03286	-.24451	.00995	12.12413	.05199	-10.28903
-2.000	.10266	-.03511	-.24387	.00330	12.09532	.04586	-10.30953
.000	.10532	-.03746	-.24281	-.00216	12.07694	.03948	-10.33089
2.000	.10676	-.03920	-.24407	-.00646	12.06883	.02924	-10.35514
4.000	.10551	-.04061	-.24200	-.01083	12.06061	.01980	-10.39675
GRADIENT	.00056	-.00098	.00024	-.00257	-.00768	-.00405	-.01355

LARC UPWT 1152(IA94A) OTSAT130

(MJK037) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.12549	.03591	.30143	.00692	12.11092	.02274	-5.20407
-6.000	-.11881	.03808	.28877	-.00495	12.07170	.01525	-5.22910
-4.000	-.11799	.04022	.28332	-.01746	12.04822	.00713	-5.25620
-2.000	-.11839	.04227	.28119	-.02862	12.02725	.00032	-5.27893
.000	-.12031	.04418	.28085	-.03804	12.00957	-.00287	-5.28480
2.000	-.12244	.04574	.28249	-.04745	11.99191	-.00534	-5.28891
4.000	-.12435	.04770	.28474	-.05535	11.97705	-.00952	-5.29589
GRADIENT	-.00084	.00092	00021	-.00473	-.00888	-.00195	-.00447

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.11824	.03293	.28951	-.04034	12.00580	.01720	-5.22301
-6.000	-.11230	.03389	.28040	-.05170	11.98463	.01107	-5.24333
-4.000	-.11065	.03569	.27293	-.06207	11.96533	.00566	-5.26125
-2.000	-.11489	.03773	.27553	-.07182	11.94716	.00022	-5.27928
.000	-.11783	.03873	.27522	-.08044	11.93111	-.00557	-5.28922
2.000	-.12062	.03955	.27454	-.08868	11.91576	-.01206	-5.29998
4.000	-.12083	.03994	.27357	-.09311	11.90755	-.01742	-5.30884
GRADIENT	-.00130	.00052	00001	-.00395	-.00735	-.00292	-.00579

LARC UPWT 1152(1A94A) OTSAT130

(MJK038) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
1.550								
-8.000	-.08174	.02293	.19817	.00993	12.12396	.02534	-5.19542	
-6.000	-.07772	.02513	.19101	-.00157	12.07806	.01772	-5.22082	
-4.000	-.07705	.02655	.18752	-.01385	12.05499	.00922	-5.24922	
-2.000	-.07732	.02765	.18482	-.02538	12.03334	.00243	-5.27190	
.000	-.07887	.02887	.18497	-.03466	12.01590	-.00107	-5.28178	
2.000	-.08342	.03063	.19009	-.04365	11.99901	-.00416	-5.28694	
4.000	-.08388	.03234	.19232	-.05102	11.98518	-.00840	-5.29403	
GRADIENT	-.00099	.00072	.00074	-.00463	-.00870	-.00209	-.00523	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
2.000								
-8.000	-.08041	.02190	.19811	-.03679	12.01252	.01815	-5.21994	
-6.000	-.07515	.02334	.18903	-.04609	11.99505	.01189	-5.24057	
-4.000	-.07514	.02537	.18567	-.05590	11.97672	.00595	-5.26028	
-2.000	-.07940	.02655	.18870	-.06655	11.95682	.00017	-5.27944	
.000	-.08163	.02699	.18953	-.07525	11.94061	-.00538	-5.28892	
2.000	-.08293	.02709	.18792	-.08436	11.92358	-.01148	-5.29904	
4.000	-.08222	.02687	.18521	-.08930	11.91434	-.01721	-5.30854	
GRADIENT	-.00088	.00018	-.00008	-.00423	-.00790	-.00290	-.00581	

ORIGINAL PAGE IS OF POOR QUALITY

LARC OPWT 1152(IA94A) OTSAT130

(MJK039) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8 000	-.00361	.00233	.01329	.01764	12.15747	.03137	-5.17505
-6 000	-.00421	.00264	.01378	.00708	12.11177	.01892	-5.21654
-4 000	-.00419	.00220	.01245	-.00219	12.07688	.01282	-5.23709
-2.000	-.00474	.00214	.01298	-.01037	12.06150	.00665	-5.25775
.000	-.00600	.00228	.01487	-.01963	12.04409	.00279	-5.27066
2.000	-.00709	.00219	.01653	-.02753	12.02925	-.00110	-5.28183
4 000	-.00677	.00167	.01558	-.03156	12.02166	-.00579	-5.28968
GRADIENT	-.00038	-.00005	.00049	-.00380	-.00713	-.00225	-.00646

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8 000	-.00157	.00204	.01100	-.02475	12.03486	.01905	-5.21685
-6 000	-.00175	.00212	.01073	-.03107	12.02315	.01333	-5.23589
-4.000	-.00180	.00238	.01026	-.03767	12.01090	.00768	-5.25461
-2 000	-.00176	.00228	.01084	-.04469	11.99794	-.00001	-5.28002
.000	-.00262	.00239	.01224	-.05504	11.97885	-.00813	-5.29341
2.000	-.00417	.00236	.01430	-.06388	11.96248	-.01434	-5.30366
4.000	-.00474	.00193	.01461	-.06717	11.95589	-.01909	-5.31160
GRADIENT	-.00042	-.00004	.00061	-.00391	-.00727	-.00339	-.00588

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK040) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 4.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06954	-.01709	-.16502	.02262	12.17898	.04463	-5.13083
-6.000	.06400	-.01867	-.15577	.01542	12.14773	.03216	-5.17256
-4.000	.06434	-.01997	-.15407	.00962	12.12265	.02465	-5.19767
-2.000	.06695	-.02213	-.15564	.00344	12.09587	.01914	-5.21607
.000	.06739	-.02332	-.15297	-.00427	12.07299	.01327	-5.23567
2.000	.06873	-.02443	-.15314	-.00957	12.06302	.00715	-5.25613
4.000	.06658	-.02542	-.15087	-.01620	12.05057	.00092	-5.27692
GRADIENT	00031	-.00066	00044	-.00323	-.00885	-.00297	-00993

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07359	-.01683	-.17063	-.00745	12.06709	.02161	-5.20833
-6.000	.06692	-.01798	-.15919	-.01343	12.05595	.01634	-5.22583
-4.000	.06607	-.01953	-.15431	-.01992	12.04385	.00977	-5.24761
-2.000	.06874	-.02053	-.15422	-.02588	12.03272	.00277	-5.27080
.000	.07098	-.02139	-.15377	-.03131	12.02261	-.00347	-5.28574
2.000	.07167	-.02173	-.15272	-.03735	12.01134	-.00929	-5.29541
4.000	.06961	-.02124	-.14873	-.04271	12.00131	-.01362	-5.30259
GRADIENT	.00050	-.00023	.00063	-.00285	-.00532	-.00294	-00673

LARC UPWT 1152(1A94A) OTSAT130

(MJK041) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11274	-.02986	-.26493	.02486	12.18856	.04947	-5.11480
-6.000	.10518	-.03150	-.25129	.01701	12.15459	.03837	-5.15187
-4.000	.10300	-.03322	-.24678	.01050	12.12643	.03034	-5.17868
-2.000	.10293	-.03512	-.24307	.00430	12.09963	.02536	-5.19532
.000	.10594	-.03757	-.24338	-.00104	12.07904	.02032	-5.21214
2.000	.10667	-.03909	-.24265	-.00533	12.07098	.01289	-5.23693
4.000	.10515	-.04069	-.24091	-.00975	12.06267	.00526	-5.26243
GRADIENT	.00040	-.00094	.00061	-.00251	-.00781	-.00313	-.01046

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10866	-.02784	-.25840	-.00047	12.08012	.02360	-5.20173
-6.000	.10194	-.02869	-.24720	-.00641	12.06905	.01796	-5.22043
-4.000	.10140	-.03069	-.24163	-.01227	12.05811	.01189	-5.24056
-2.000	.10512	-.03232	-.24208	-.01810	12.04723	.00551	-5.26174
.000	.10726	-.03341	-.23999	-.02305	12.03800	-.00057	-5.28094
2.000	.10786	-.03385	-.23655	-.02802	12.02873	-.00638	-5.29058
4.000	.10679	-.03384	-.23377	-.03266	12.02006	-.01070	-5.29774
GRADIENT	.00067	-.00039	.00106	-.00254	-.00473	-.00285	-.00716

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK042) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12521	.03547	.29947	.00371	12.09707	-.00760	3.63431
-6.000	-.11883	.03788	.28792	-.00848	12.06505	-.01615	3.62000
-4.000	-.11851	.04018	.28430	-.02089	12.04165	-.02528	3.60468
-2.000	-.11956	.04255	.28256	-.03192	12.02084	-.03202	3.59337
.000	-.12040	.04403	.28063	-.04124	12.00327	-.03458	3.58907
2.000	-.12335	.04587	.28373	-.05070	11.98545	-.03714	3.58479
4.000	-.12369	.04742	.28308	-.05849	11.97080	-.04072	3.57881
GRADIENT	-.00069	.00089	-.00006	-.00470	-.00885	-.00180	-.00302

LARC UPWT 1152(1A94A) OTSAT130

(MJK043) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.08292	.02317	.20174	.00765	12.11419	-.00435	3.63972
-6.000	-.07733	.02474	.19110	-.00430	12.07290	-.01279	3.62559
-4.000	-.07770	.02662	.18887	-.01678	12.04942	-.02295	3.60860
-2.000	-.07749	.02758	.18526	-.02890	12.02661	-.03015	3.59656
.000	-.07945	.02889	.18527	-.03811	12.00926	-.03299	3.59180
2.000	-.08191	.02998	.18701	-.04725	11.99207	-.03568	3.58730
4.000	-.08198	.03153	.18796	-.05406	11.97925	-.03920	3.58143
GRADIENT	-.00065	.00061	-.00000	-.00465	-.00874	-.00190	-.00318

LARC UPWT 1152(1A94A) OTSAT130

(MJK044) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00177	.00189	.01022	.01586	12.14970	.00314	3.65750
-6.000	-.00262	.00239	.01135	.00592	12.10665	-.00809	3.63349
-4.000	-.00281	.00211	.01038	-.00355	12.07434	-.01477	3.62235
-2.000	- .00312	.00190	.01018	-.01288	12.05684	-.02348	3.60785
.000	-.00437	.00205	.01228	- .02128	12.04112	-.02736	3.60143
2.000	-.00583	.00201	.01421	-.02957	12.02548	-.03086	3.59550
4.000	- .00525	.00158	.01305	- .03359	12.01786	- .03506	3.58843
GRADIENT	-.00038	- .00005	.00047	-.00384	-.00722	- .00240	-.00401

LARC UPWT 1152(1A94A) OTSAT130

(MJK045) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07083	- .01766	- .16617	.01887	12.16281	.01431	3.69487
-6.000	.06640	- .01928	- .15844	.01233	12.13445	.00423	3.66115
-4.000	.06597	- .02032	- .15480	.00708	12.11169	- .00350	3.64114
-2.000	.06672	-.02181	-.15357	.00032	12.08239	- .00968	3.63081
.000	.06928	- .02362	-.15571	-.00690	12.06801	- .01562	3.62087
2.000	.07076	- .02502	-.15625	-.01230	12.05787	-.02229	3.60972
4.000	.06820	- .02584	-.15293	-.01909	12.04507	- .02811	3.59999
GRADIENT	.00042	-.00071	.00005	- .00325	-.00789	- .00309	- .00517

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK046) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11356	-.02986	- 26393	.02129	12.17328	.01818	3.70781
-6.000	.10661	- .03195	- 25220	.01391	12.14131	.00812	3.67415
-4.000	.10392	- .03329	- 24558	.00867	12.11860	.00128	3.65128
-2.000	.10430	- .03540	-.24365	.00206	12.08994	-.00323	3.64159
000	.10644	- .03739	- 24192	- .00323	12.07491	-.00892	3.63207
2.000	.10868	- .03956	-.24540	- .00808	12.06579	- .01625	3.61981
4.000	.10727	- .04113	- 24454	-.01273	12.05705	- .02319	3.60819
GRADIENT	.00055	-.00099	00002	- .00265	- .00736	- .00310	-.00540

LARC UPWT 1152(1A94A) OTSAT130

(MJK047) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12715	.03620	30358	.03492	7.81619	- .00673	3.63576
-6.000	-.11966	.03836	28997	.02307	7.76488	- .01543	3.62123
-4.000	-.11858	.04045	28536	.01093	7.71232	- .02503	3.60519
-2.000	-.12030	.04287	28415	.00002	7.66507	- .03193	3.59366
000	-.12115	.04425	28133	- .01115	7.64404	-.03440	3.58953
2.000	-.12360	.04607	28392	-.02119	7.62517	-.03678	3.58556
4.000	-.12417	.04768	28387	-.02955	7.60946	- .04035	3.57959
GRADIENT	-.00072	.00088	-.00016	- .00511	-.01228	-.00177	-.00297

LARC UPWT 1152(1A94A) OTSAT130

(MJK048) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	- .08251	.02325	.19976	.03775	7.82835	-.00353	3.64111
-6.000	- .07770	.02531	.19105	.02556	7.77561	-.01221	3.62661
-4.000	- .07740	.02685	.18825	.01402	7.72568	-.02264	3.60919
-2.000	- .07809	.02795	.18539	.00295	7.67778	-.02991	3.59707
.000	- .07937	.02910	.18543	-.00730	7.65128	-.03278	3.59226
2.000	- .08332	.03079	.18952	-.01743	7.63223	-.03529	3.58802
4.000	- .08302	.03215	.18980	-.02571	7.61660	-.03883	3.58203
GRADIENT	- .00082	.00067	.00036	-.00499	-.01319	-.00189	-.00317

LARC UPWT 1152(1A94A) OTSAT130

(MJK049) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	- .00333	.00247	.01238	.04592	7.86459	.00432	3.66148
-6.000	- .00397	.00285	.01359	.03494	7.81690	-.00750	3.63442
-4.000	- .00391	.00261	.01245	.02433	7.77072	-.01462	3.62249
-2.000	- .00516	.00272	.01322	.01539	7.73185	-.02306	3.60836
.000	- .00650	.00283	.01584	.00634	7.69251	-.02717	3.60148
2.000	- .00760	.00270	.01700	-.00271	7.65989	-.03064	3.59569
4.000	- .00739	.00240	.01670	-.00744	7.65100	-.03478	3.58880
GRADIENT	- .00047	-.00002	.00061	-.00408	-.01557	-.00240	-.00400

LARC UPWT 1152(1A94A) OTSAT130

(MJK050) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07020	-.01719	-.16617	.04686	7.86840	.01530	3.69826
-6.000	.06432	-.01850	-.15645	.04022	7.83962	.00503	3.66384
-4.000	.06532	-.01993	-.15497	.03397	7.81246	-.00273	3.64243
-2.000	.06588	-.02124	-.15274	.02615	7.77851	-.00931	3.63140
.000	.06702	-.02278	-.15253	.01842	7.74495	-.01555	3.62095
2.000	.06941	-.02434	-.15520	.01173	7.71592	-.02187	3.61037
4.000	.06758	-.02559	-.15308	.00540	7.68844	-.02733	3.60123
GRADIENT	00040	-.00072	.00007	-.00358	-.01553	-.00309	-.00517

LARC UPWT 1152(1A94A) OTSAT130

(MJK051) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11293	-.02936	-.26368	.04848	7.87544	.01913	3.71109
-6.000	.10556	-.03113	-.25154	.04149	7.84507	.00923	3.67792
-4.000	.10319	-.03285	-.24559	.03514	7.81752	.00206	3.65391
-2.000	.10329	-.03473	-.24240	.02835	7.78808	-.00219	3.64334
.000	.10559	-.03700	-.24157	.02180	7.75963	-.00838	3.63297
2.000	.10692	-.03883	-.24317	.01514	7.73072	-.01585	3.62045
4.000	.10531	-.04036	-.24109	.00977	7.70742	-.02262	3.60912
GRADIENT	.00039	-.00096	.00041	-.00320	-.01388	-.00315	-.00562

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LARC UPWT 1152(1A94A) OTSAT130

(MJK052) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-12703	.03636	.30490	.03671	7.82431	.02193	-5.20657
-6.000	-.11926	.03850	.29099	.02511	7.77398	.01440	-5.23177
-4.000	-.11862	.04051	.28486	.01323	7.72242	.00633	-5.25879
-2.000	-.11871	.04241	.28117	.00251	7.67591	-.00111	-5.28186
.000	-.12170	.04463	.28365	-.00889	7.64825	-.00503	-5.28843
2.000	-.12294	.04603	.28396	-.01887	7.62946	-.00814	-5.29362
4.000	-.12459	.04788	.28564	-.02740	7.61339	-.01253	-5.30099
GRADIENT	-00081	.00092	.00022	-.00513	-.01323	-.00224	-.00481

LARC UPWT 1152(1A94A) OTSAT130

(MJK053) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08320	.02344	.20143	.03911	7.83464	.02455	-5.19784
-6.000	-.07754	.02525	.19194	.02712	7.78265	.01623	-5.22565
-4.000	-.07719	.02683	.18854	.01568	7.73301	.00739	-5.25527
-2.000	-.07771	.02785	.18518	.00454	7.68472	.00037	-5.27876
.000	-.07965	.02935	.18677	-.00528	7.65505	-.00350	-5.28586
2.000	-.08303	.03072	.18974	-.01566	7.63550	-.00680	-5.29138
4.000	-.08261	.03204	.18914	-.02377	7.62023	-.01131	-5.29893
GRADIENT	-.00081	.00067	.00029	-.00496	-.01374	-.00223	-.00500

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK054) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L - 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8 000	-.00175	.00199	.00931	.04858	7.87557	.03249	-5.17129
-6 000	-.00294	.00242	.01132	.03688	7.82481	.01965	-5.21430
-4.000	-.00290	.00218	.01049	.02633	7.77904	.01284	-5.23707
-2.000	-.00408	.00227	.01224	.01777	7.74194	.00604	-5.25981
.000	-.00561	.00251	.01408	.00820	7.70046	.00155	-5.27483
2 000	-.00714	.00240	.01648	-.00113	7.66288	-.00273	-5.28456
4 000	-.00707	.00218	.01609	-.00601	7.65372	-.00816	-5.29363
GRADIENT	-.00057	.00001	.00077	-.00418	.71849	-.00254	-.00689

LARC UPWT 1152(1A94A) OTSAT130

(MJK055) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8 000	.06940	-.01702	-.16473	.05004	7.88214	.04377	-5.13342
-6.000	.06413	-.01873	-.15599	.04236	7.84882	.03197	-5.17292
-4.000	.06456	-.01986	-.15383	.03562	7.81961	.02579	-5.19361
-2 000	.06590	-.02155	-.15349	.02795	7.78634	.01904	-5.21622
.000	.06741	-.02317	-.15378	.02039	7.75351	.01260	-5.23778
2 000	.06858	-.02435	-.15313	.01356	7.72386	.00514	-5.25276
4 000	.06691	-.02549	-.15184	.00743	7.69728	-.00134	-5.28225
GRADIENT	.00037	-.00070	.00022	-.00354	-.01536	-.00341	-.01119

LARC UPWT 1152(IA94A) OTSAT130

(MJK056) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11187	-.02944	-.26303	.05192	7.89043	.04928	-5.11487
-6.000	.10507	-.03146	-.25159	.04400	7.85610	.03770	-5.15364
-4.000	.10166	-.03255	-.24323	.03692	7.82535	.03077	-5.17686
-2.000	.10175	-.03448	-.23960	.02951	7.79319	.02542	-5.19478
.000	.10421	-.03662	-.23947	.02348	7.76698	.01972	-5.21388
2.000	.10647	-.03877	-.24255	.01723	7.73985	.01130	-5.24210
4.000	.10562	-.04056	-.24236	.01209	7.71754	.00272	-5.27088
GRADIENT	.00063	-.00102	-.00006	-.00310	-.01345	-.00351	-.01177

LARC UPWT 1152(IA94A) OTSAT130

(MJK057) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12611	.04586	.30228	.03679	7.82454	.04588	-10.30946
-6.000	-.11870	.03794	.28875	.02469	7.77206	.03726	-10.33829
-4.000	-.11860	.04007	.28545	.01204	7.71720	.02768	-10.37037
-2.000	-.11936	.04238	.28332	.00192	7.67332	.02052	-10.39432
.000	-.12035	.04395	.28102	-.00916	7.64775	.01640	-10.40809
2.000	-.12331	.04587	.28455	-.01896	7.62930	.01297	-10.41960
4.000	-.12527	.04774	.28734	-.02777	7.61272	.00795	-10.43639
GRADIENT	-.00086	.00094	.00025	-.00502	-.01265	-.00235	-.00787

LARC UPWT 1152(1A94A) OTSAT130

(MJK058) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08258	.02288	.19956	.03979	7.83760	.04779	-10.30302
-6.000	-.07773	.02503	.19077	.02759	7.78469	.03875	-10.33328
-4.000	-.07556	.02603	.18568	.01587	7.73386	.02874	-10.36676
-2.000	-.07831	.02785	.18797	.00442	7.68417	.02195	-10.38947
.000	-.07901	.02898	.18585	-.00605	7.65359	.01773	-10.40358
2.000	-.08274	.03016	.18849	-.01612	7.63462	.01363	-10.41732
4.000	-.08285	.03152	.18891	-.02409	7.61959	.00898	-10.43291
GRADIENT	-.00095	.00056	.00035	-.00502	-0.1390	-.00239	-.00801

LARC UPWT 1152(1A94A) OTSAT130

(MJK059) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 0.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00251	.00204	.01068	.04949	7.88029	.05689	-10.27205
-6.000	-.00339	.00244	.01232	.03713	7.82634	.04248	-10.32053
-4.000	-.00426	.00238	.01299	.02586	7.77739	.03381	-10.34964
-2.000	-.00615	.00281	.01595	.01678	7.73792	.02631	-10.37480
.000	-.00613	.00242	.01568	.00765	7.69824	.02196	-10.38941
2.000	-.00777	.00244	.01720	-.00180	7.66160	.01750	-10.40434
4.000	-.00779	.00212	.01750	-.00719	7.65144	.01144	-10.42465
GRADIENT	-.00043	-.00004	.00051	-.00424	-.01641	-.00268	-.00898

LARC UPWT 1152(1A94A) OTSAT130

(MJK060) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	07033	-.01747	-.16651	.05160	7.88913	.06806	-10.23485
-6.000	06411	-.01884	-.15574	.04360	7.85442	.05610	-10.27493
-4.000	06353	-.01984	-.15312	.03625	7.82253	.04762	-10.30333
-2.000	06477	-.02136	-.15218	.02854	7.78904	.04009	-10.32853
000	.06601	-.02299	-.15138	.02039	7.75363	.03213	-10.35523
2.000	06933	-.02500	-.15547	.01325	7.72260	.02356	-10.38397
4.000	06631	-.02559	-.15156	.00687	7.69489	.01635	-10.40813
GRADIENT	00051	-.00076	-.00001	-.00370	-.01609	-.00395	-.01325

LARC UPWT 1152(1A94A) OTSAT130

(MJK061) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11263	-.02984	-.26431	.05346	7.89746	.07341	-10.21667
-6.000	.10474	-.03162	-.25095	.04481	7.85986	.06219	-10.25429
-4.000	.10159	-.03293	-.24400	.03721	7.82684	.05414	-10.28130
-2.000	.10216	-.03504	-.24208	.02967	7.79404	.04718	-10.30468
000	.10432	-.03728	-.24091	.02320	7.76594	.04034	-10.32759
2.000	.10631	-.03935	-.24378	.01661	7.73726	.02997	-10.36235
4.000	.10458	-.04057	-.24055	.01140	7.71459	.01969	-10.39690
GRADIENT	.00051	-.00098	.00026	-.00323	-.01406	-.00431	-.01444

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJKA17) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.05381	-.00895	-.00580	-.12842	.03627	.30721	.01980	.02354
-6.000	10.00000	-5.00000	-.03275	-.00495	-.00496	-.12079	.03848	.29335	.00732	.01595
-4.000	10.00000	-5.00000	-.01098	-.00073	-.00369	-.11902	.04024	.28561	-.00553	.00795
-2.000	10.00000	-5.00000	.01175	.00363	-.00205	-.12011	.04260	.28481	-.01778	.00068
.000	10.00000	-5.00000	.03564	.00801	-.00013	-.12165	.04433	.28345	-.02911	-.00303
2.000	10.00000	-5.00000	.05566	.01164	.00193	-.12376	.04598	.28513	-.03933	-.00628
4.000	10.00000	-5.00000	.07231	.01480	.00327	-.12455	.04757	.28509	-.04751	-.01043
GRADIENT	.00000	.00000	.01052	.00195	.00089	-.00074	.00090	-.00004	-.00528	-.00219

LARC UPWT 1152(1A94A) OTSAT130

(MJKA18) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.05022	-.00852	-.00723	-.08370	.02343	.20374	.02169	.02580
-6.000	10.00000	-5.00000	-.02857	-.00447	-.00680	-.07736	.02501	.19049	.00954	.01782
-4.000	10.00000	-5.00000	-.00592	-.00018	-.00590	-.07705	.02642	.18770	-.00264	.00922
-2.000	10.00000	-5.00000	.02022	.00471	-.00390	-.07806	.02771	.18652	-.01456	.00267
.000	10.00000	-5.00000	.04358	.00926	-.00201	-.07960	.02899	.18646	-.02480	-.00112
2.000	10.00000	-5.00000	.06561	.01305	.00095	-.08430	.03087	.19160	-.03567	-.00473
4.000	10.00000	-5.00000	.08311	.01628	.00282	-.08386	.03235	.19203	-.04315	-.00903
GRADIENT	.00000	.00000	.01117	.00206	.00111	-.00099	.00075	.00069	-.00511	-.00220

LARC UPWT 1152(1A94A) QTSAT130

(MJKA19) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.04194	-.00713	-.00848	-.00468	.00250	.01594	.03155	.03240
-6.000	10.00000	-5.00000	-.02114	-.00337	-.00796	-.00464	.00256	.01495	.02040	.01993
-4.000	10.00000	-5.00000	.00374	.00101	-.00711	-.00490	.00245	.01368	.01104	.01380
-2.000	10.00000	-5.00000	.03097	.00606	-.00586	-.00577	.00236	.01489	.00133	.00691
.000	10.00000	-5.00000	.05711	.01079	-.00385	-.00719	.00265	.01782	-.00953	.00251
2.000	10.00000	-5.00000	.08421	.01518	-.00031	-.00753	.00229	.01709	-.01904	-.00165
4.000	10.00000	-5.00000	.10413	.01872	.00298	-.00789	.00216	.01783	-.02402	-.00666
GRADIENT	.00000	.00000	.01270	.00223	.00129	-.00039	-.00003	.00053	-.00452	-.00247

LARC UPWT 1152(1A94A) QTSAT130

(MJKA20) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.03282	-.00644	-.01150	.06919	-.01707	-.16442	.03498	.04630
-6.000	10.00000	-5.00000	-.01369	-.00302	-.01131	.06398	-.01890	-.15540	.02726	.03297
-4.000	10.00000	-5.00000	.00886	.00115	-.01084	.06368	-.01985	-.15228	.02080	.02573
-2.000	10.00000	-5.00000	.03861	.00634	-.00934	.06442	-.02129	-.15012	.01363	.01982
.000	10.00000	-5.00000	.06847	.01117	-.00703	.06712	-.02327	-.15266	.00652	.01395
2.000	10.00000	-5.00000	.09349	.01572	-.00471	.06788	-.02427	-.15237	-.00080	.00696
4.000	10.00000	-5.00000	.11233	.01967	-.00232	.06631	-.02543	-.15068	-.00815	.00037
GRADIENT	.00000	.00000	.01309	.00232	.00108	.00044	-.00071	.00005	-.00362	-.00318

LARC UPWT 1152(1A94A) OTSAT130

(MJK21) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L - 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.03298	-.00620	-.01307	11188	-.02949	-.26233	.03736	.05168	
-6.000	10.00000	-5.00000	-.01206	-.00254	-.01245	.10476	-.03164	-.25083	.02897	.03956	
-4.000	10.00000	-5.00000	.01072	.00159	-.01196	.10236	-.03316	-.24458	.02200	.03079	
-2.000	10.00000	-5.00000	.03707	.00634	-.01102	.10174	-.03481	-.24057	.01540	.02627	
.000	10.00000	-5.00000	.06864	.01158	-.00864	.10509	-.03738	-.24112	.0952	.02124	
2.000	10.00000	-5.00000	.09624	.01626	-.00598	.10624	-.03895	-.24145	.00347	.01307	
4.000	10.00000	-5.00000	.11701	.02024	-.00333	.10403	-.04025	-.23878	-.00214	.00511	
GRADIENT	.00000	.00000	.01359	.00236	.00111	.00039	-.00092	.00054	-.00301	-.00323	

LARC UPWT 1152(1A94A) OTSAT130

(MJK22) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.05723	-.00801	-.00923	-.12614	.03556	.30252	.01805	-.00024	
-6.000	10.00000	2.00000	-.03675	-.00412	-.00835	-.11856	.03778	.28875	.00533	-.00791	
-4.000	10.00000	2.00000	-.01542	.00005	-.00698	-.11781	.03982	.28391	-.00792	-.01608	
-2.000	10.00000	2.00000	.00696	.00439	-.00534	-.11915	.04224	.28240	-.01968	-.02303	
.000	10.00000	2.00000	.03119	.00876	-.00317	-.11987	.04365	.27962	-.03064	-.02580	
2.000	10.00000	2.00000	.05086	.01232	-.00116	-.12254	.04554	.28308	-.04100	-.02850	
4.000	10.00000	2.00000	.06782	.01543	.00053	-.12287	.04704	.28232	-.04923	-.03259	
GRADIENT	.00000	.00000	.01052	.00193	.00096	-.00068	.00089	-.00012	-.00520	-.00192	

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(MJK23) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.05442	-.00762	-.01047	-.08199	.02288	.19971	.02104	.00258
-6.000	10.00000	2.00000	-.03334	-.00370	-.00990	-.07667	.02463	.18912	.00834	-.00543
-4.000	10.00000	2.00000	-.01010	.00064	-.00868	-.07734	.02645	.18858	-.00450	-.01442
-2.000	10.00000	2.00000	.01521	.00542	-.00690	-.07706	.02728	.18466	-.01639	-.02099
.000	10.00000	2.00000	.03972	.01008	-.00477	-.07816	.02834	.18415	-.02698	-.02418
2.000	10.00000	2.00000	.06066	.01366	-.00176	-.08332	.03051	.19080	-.03705	-.02697
4.000	10.00000	2.00000	.07875	.01687	.00034	-.08185	.03147	.18828	-.04493	-.03099
GRADIENT	.00000	.00000	.01116	.00204	.00116	-.00076	.00066	.00028	-.00508	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJK24) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.04541	-.00635	-.01167	-.00235	.00189	.01125	.02988	.01034
-6.000	10.00000	2.00000	-.02509	-.00269	-.01113	-.00277	.00212	.01181	.01912	-.00105
-4.000	10.00000	2.00000	-.00004	.00187	-.01047	-.00308	.00190	.01133	.00848	-.00777
-2.000	10.00000	2.00000	.02655	.00682	-.00923	-.00404	.00191	.01266	-.00093	-.01517
.000	10.00000	2.00000	.05174	.01141	-.00723	-.00534	.00218	.01513	-.01057	-.01895
2.000	10.00000	2.00000	.07860	.01586	-.00379	-.00604	.00183	.01541	-.02008	-.02259
4.000	10.00000	2.00000	.09893	.01943	-.00041	-.00585	.00161	.01464	-.02483	-.02719
GRADIENT	.00000	.00000	.01250	.00221	.00128	-.00038	-.00003	.00047	-.00429	-.00231

LARC UPWT 1152(1A94A) OTSAT130

(MJKA25) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.03644	-.00553	-.01414	.07132	-.01781	-.16767	.03284	.02192
-6.000	10.00000	2.00000	-.01706	-.00212	-.01377	.06628	-.01958	-.15892	.02558	.01133
-4.000	10.00000	2.00000	.00531	.00203	-.01329	.06536	-.02032	-.15420	.01964	.00429
-2.000	10.00000	2.00000	.03478	.00722	-.01184	.06599	-.02168	-.15237	.01211	-.00198
.000	10.00000	2.00000	.06437	.01205	-.00943	.06783	-.02329	-.15277	.00449	-.00758
2.000	10.00000	2.00000	.08934	.01661	-.00711	.07072	-.02513	-.15680	-.00245	-.01375
4.000	10.00000	2.00000	.10863	.02052	-.00449	.06820	-.02599	-.15344	-.00960	-.01952
GRADIENT	.00000	.00000	.01306	.00232	.00112	.00052	-.00074	-.00015	-.00365	-.00297

LARC UPWT 1152(1A94A) OTSAT130

(MJKA26) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.03609	-.00523	-.01550	.11335	-.03006	-.26440	.03499	.02605
-6.000	10.00000	2.00000	-.01562	-.00165	-.01483	.10627	-.03196	-.25211	.02739	.01581
-4.000	10.00000	2.00000	.00659	.00241	-.01432	.10410	-.03358	-.24680	.02115	.00916
-2.000	10.00000	2.00000	.03423	.00739	-.01325	.10421	-.03552	-.24404	.01404	.00475
.000	10.00000	2.00000	.06451	.01238	-.01081	.10663	-.03768	-.24251	.00808	-.00072
2.000	10.00000	2.00000	.09239	.01707	-.00800	.10805	-.03947	-.24429	.00189	-.00797
4.000	10.00000	2.00000	.11350	.02101	-.00529	.10607	-.04085	-.24131	-.00382	-.01484
GRADIENT	.00000	.00000	.01360	.00234	.00117	.00039	-.00092	.00054	-.00311	-.00304

LARC UPWT 1152(1A94A) OTSAT130

(MJKA27) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.06794	-.01065	-.00717	-.12584	.03591	.30136	.01763	.04500
-6.000	10.00000	-10.00000	-.04772	-.00672	-.00662	-.11855	.03798	.28830	.00455	.03543
-4.000	10.00000	-10.00000	-.02530	-.00245	-.00501	-.11808	.03999	.28372	-.00840	.02538
-2.000	10.00000	-10.00000	-.00178	.00207	-.00309	-.11901	.04247	.28265	-.02057	.01795
.000	10.00000	-10.00000	.02181	.00642	-.00116	-.12185	.04467	.28409	-.03126	.01359
2.000	10.00000	-10.00000	.04202	.01014	.00070	-.12301	.04585	.28391	-.04139	.01011
4.000	10.00000	-10.00000	.05919	.01333	.00224	-.12484	.04772	.28594	-.04945	.00625
GRADIENT	.00000	.00000	.01064	.00198	.00091	-.00088	.00094	.00028	-.00515	-.00231

LARC UPWT 1152(1A94A) OTSAT130

(MJKA28) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.06483	-.01025	-.00836	-.08216	.02304	.19892	.02093	.04678
-6.000	10.00000	-10.00000	-.04422	-.00627	-.00805	-.07794	.02520	.19229	.00792	.03752
-4.000	10.00000	-10.00000	-.01923	-.00165	-.00673	-.07610	.02625	.18557	-.00475	.02700
-2.000	10.00000	-10.00000	.00589	.00313	-.00500	-.07772	.02776	.18568	-.01767	.01961
.000	10.00000	-10.00000	.02960	.00766	-.00288	-.07966	.02919	.18656	-.02752	.01517
2.000	10.00000	-10.00000	.05192	.01155	-.00015	-.08285	.03032	.18876	-.03754	.01118
4.000	10.00000	-10.00000	.07046	.01483	.00214	-.08251	.03168	.18872	-.04494	.00736
GRADIENT	.00000	.00000	.01127	.00207	.00113	-.00090	.00067	.00047	-.00501	-.00239

DATE 29 OCT 76

TABULATED SOURCE DATA - IA94A.

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LARC UPWT 1152(IA94A) OTSAT130

(MJKA29) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.05509	-.00877	-.00992	-.00275	.00219	.01153	.03102	.05503
-6.000	10.00000	-10.00000	-.03498	-.00508	-.00952	-.00364	.00253	.01233	.01920	.04180
-4.000	10.00000	-10.00000	-.00979	-.00054	-.00870	-.00461	.00256	.01346	.00873	.03289
-2.000	10.00000	-10.00000	.01722	.00442	-.00735	-.00503	.00234	.01337	-.00063	.02405
.000	10.00000	-10.00000	.04357	.00916	-.00548	-.00614	.00237	.01493	-.01180	.01928
2.000	10.00000	-10.00000	.07025	.01360	-.00201	-.00765	.00253	.01677	-.02081	.01513
4.000	10.00000	-10.00000	.09055	.01722	.00125	-.00740	.00203	.01668	-.02556	.00963
GRADIENT	.00000	.00000	.01269	.00224	.00126	-.00041	-.00004	.00049	-.00444	-.00277

LARC UPWT 1152(IA94A) OTSAT130

(MJKA30) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.04729	-.00812	-.01224	.07063	-.01754	-.16708	.03388	.06593
-6.000	10.00000	-10.00000	-.02801	-.00471	-.01183	.06488	-.01915	-.15675	.02595	.05406
-4.000	10.00000	-10.00000	-.00498	-.00055	-.01115	.06325	-.01980	-.15244	.01923	.04629
-2.000	10.00000	-10.00000	.02411	.00465	-.00990	.06597	-.02189	-.15505	.01180	.03868
.000	10.00000	-10.00000	.05488	.00966	-.00743	.06665	-.02325	-.15335	.00389	.03041
2.000	10.00000	-10.00000	.07928	.01415	-.00534	.06872	-.02470	-.15488	-.00329	.02158
4.000	10.00000	-10.00000	.09861	.01817	-.00301	.06749	-.02595	-.15352	-.01021	.01493
GRADIENT	.00000	.00000	.01312	.00235	.00104	.00056	-.00076	-.00010	-.00370	-.00399

LARC UPWT 1152(1A94A) OTSAT130

(MJK31) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BFTA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L - 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.04791	-.00793	-.01352	.11202	-.02966	-.26307	.03627	.07125
-6.000	10.00000	-10.00000	-.02748	-.00436	-.01297	.10418	-.03145	-.24972	.02762	.06025
-4.000	10.00000	-10.00000	-.00461	-.00023	-.01224	.10140	-.03293	-.24344	.02052	.05273
-2.000	10.00000	-10.00000	.02345	.00477	-.01115	.10109	-.03466	-.23992	.01318	.04596
.000	10.00000	-10.00000	.05398	.00984	-.00879	.10495	-.03741	-.24181	.00671	.03927
2.000	10.00000	-10.00000	.08298	.01468	-.00591	.10624	-.03916	-.24311	.00088	.02860
4.000	10.00000	-10.00000	.10411	.01871	-.00329	.10489	-.04057	-.24112	-.00448	.01871
GRADIENT	.00000	.00000	.01385	.00239	.00116	.00061	-.00099	.00007	-.00312	-.00427

LARC UPWT 1152(1A94A) OTSAT130

(MJK32) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.06664	-.01043	-.00762	-.12606	.03608	.30190	.00719	.04410
-6.000	12.00000	-10.00000	-.04657	-.00652	-.00710	-.11886	.03809	.28883	-.00496	.03473
-4.000	12.00000	-10.00000	-.02504	-.00235	-.00566	-.11778	.04000	.28347	-.01733	.02496
-2.000	12.00000	-10.00000	-.00105	.00214	-.00364	-.11772	.04206	.28006	-.02853	.01684
.000	12.00000	-10.00000	.02248	.00648	-.00166	-.12047	.04422	.28140	-.03802	.01255
2.000	12.00000	-10.00000	.04264	.01025	.00025	-.12251	.04574	.28260	-.04740	.00971
4.000	12.00000	-10.00000	.05955	.01340	.00172	-.12509	.04772	.28628	-.05548	.00613
GRADIENT	.00000	.00000	.01064	.00198	.00093	-.00097	.00096	.00041	-.00476	-.00224

LARC UPWT 1152(1A94A) OTSAT130

(MJKA33) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	-10 00000	-.06366	-.01006	-.00876	-.08403	.02373	.20270	.01062	.04596
-6.000	12.00000	-10 00000	-.04267	-.00606	-.00850	-.07702	.02488	.18955	-.00141	.03679
-4.000	12.00000	-10 00000	-.01858	-.00156	-.00722	-.07644	.02644	.18687	-.01352	.02627
-2.000	12.00000	-10 00000	.00690	.00320	-.00522	-.07792	.02788	.18669	-.02569	.01819
.000	12.00000	-10.00000	.03211	.00792	-.00286	-.07962	.02925	.18670	-.03456	.01394
2.000	12.00000	-10 00000	.05311	.01165	-.00024	-.08337	.03073	.19027	-.04401	.01062
4.000	12.00000	-10 00000	.07118	.01486	.00190	-.08342	.03198	.19089	-.05134	.00698
GRADIENT	.00000	.00000	.01130	.00206	.00116	-.00097	.00070	.00058	-.00470	-.00231

LARC UPWT 1152(1A94A) OTSAT130

(MJKA34) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0.00

BETA = .000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	-10 00000	-.05655	-.00880	-.01114	-.00341	.00234	.01302	.01913	.05397
-6.000	12.00000	-10 00000	-.03569	-.00501	-.01057	-.00346	.00254	.01212	.00789	.04028
-4.000	12.00000	-10.00000	-.01035	-.00047	-.00968	-.00426	.00238	.01252	-.00195	.03098
-2.000	12.00000	-10.00000	.01485	.00433	-.00863	-.00543	.00249	.01457	-.01056	.02318
.000	12.00000	-10 00000	.04158	.00922	-.00668	-.00603	.00232	.01443	-.01944	.01861
2.000	12.00000	-10.00000	.06895	.01362	-.00317	-.00693	.00214	.01555	-.02775	.01427
4.000	12.00000	-10 00000	.08974	.01727	.00017	-.00727	.00193	.01650	-.03188	.00914
GRADIENT	.00000	.00000	.01271	.00224	.00126	-.00038	-.00006	.00045	-.00385	-.00263

LARC UPWT 1152(1A94A) OTSAT130

(MJKA35) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.04610	-.00795	-.01267	.06983	-.01745	-.16674	.02289	.06460
-6.000	12.00000	-10.00000	-.02653	-.00453	-.01213	.06482	-.01895	-.15858	.01508	.05299
-4.000	12.00000	-10.00000	-.00331	-.00030	-.01147	.06403	-.01992	-.15437	.00871	.04541
-2.000	12.00000	-10.00000	.02524	.00479	-.01038	.06648	-.02210	-.15621	.00217	.03763
.000	12.00000	-10.00000	.05714	.00999	-.00770	.06816	-.02379	-.15639	-.00488	.02937
2.000	12.00000	-10.00000	.08076	.01439	-.00565	.06927	-.02486	-.15538	-.01059	.02138
4.000	12.00000	-10.00000	.09999	.01837	-.00318	.06776	-.02595	-.15396	-.01647	.01459
GRADIENT	.00000	.00000	.01311	.00235	.00106	.00051	-.00074	.00008	-.00316	-.00389

LARC UPWT 1152(1A94A) OTSAT130

(MJKA36) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.04536	-.00766	-.01364	.11174	-.02970	-.26345	.02577	.06966
-6.000	12.00000	-10.00000	-.02502	-.00411	-.01291	.10442	-.03142	-.25042	.01731	.05847
-4.000	12.00000	-10.00000	-.00298	-.00010	-.01219	.10195	-.03289	-.24457	.01051	.05087
-2.000	12.00000	-10.00000	.02523	.00493	-.01122	.10257	-.03508	-.24356	.00376	.04466
.000	12.00000	-10.00000	.05542	.00995	-.00894	.10535	-.03747	-.24282	-.00180	.03827
2.000	12.00000	-10.00000	.08432	.01480	-.00616	.10671	-.03918	-.24389	-.00617	.02811
4.000	12.00000	-10.00000	.10556	.01886	-.00346	.10544	-.04061	-.24184	-.01059	.01871
GRADIENT	.00000	.00000	.01381	.00239	.00113	.00056	-.00098	.00026	-.00261	-.00404

LARC UPWT 1152(1A94A) OTSAT130

(MJKA37) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-5.00000	-.06052	-.00924	-.00966	-.12569	.03592	.30183	.00752	.02206	
-6.000	12.00000	-5.00000	-.04014	-.00532	-.00894	-.11891	.03810	.28898	-.00459	.01445	
-4.000	12.00000	-5.00000	-.01835	-.00108	-.00756	-.11804	.04022	.28340	-.01725	.00624	
-2.000	12.00000	-5.00000	.00489	.00335	-.00568	-.11846	.04229	.28132	-.02854	-.00064	
.000	12.00000	-5.00000	.02735	.00760	-.00397	-.12032	.04417	.28085	-.03805	-.00383	
2.000	12.00000	-5.00000	.04684	.01119	-.00217	-.12244	.04574	.28248	-.04752	-.00631	
4.000	12.00000	-5.00000	.06392	.01444	-.00064	-.12431	.04770	.28465	-.05546	-.01053	
GRADIENT	.00000	.00000	.01032	.00194	.00087	-.00083	.00092	.00018	-.00477	-.00196	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA38) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-5.00000	-.05755	-.00881	-.01107	-.08185	.02295	.19954	.01051	.02470	
-6.000	12.00000	-5.00000	-.03710	-.00494	-.01068	-.07772	.02513	.19102	-.00123	.01696	
-4.000	12.00000	-5.00000	-.01373	-.00048	-.00956	-.07708	.02664	.18755	-.01362	.00837	
-2.000	12.00000	-5.00000	.01194	.00432	-.00764	-.07732	.02764	.18480	-.02526	.00152	
.000	12.00000	-5.00000	.03613	.00899	-.00550	-.07886	.02886	.18493	-.03465	-.00200	
2.000	12.00000	-5.00000	.05665	.01262	-.00285	-.08340	.03062	.19004	-.04369	-.00511	
4.000	12.00000	-5.00000	.07390	.01578	-.00091	-.08387	.03234	.19232	-.05109	-.00940	
GRADIENT	.00000	.00000	.01100	.00204	.00110	-.00098	.00072	.00074	-.00467	-.00211	

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(1A94A) OTSAT130

(MJK439) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.05087	-.00765	-.01258	-.00376	.00236	.01367	.01856	.03083
-6.000	12.00000	-5.00000	-.03088	-.00393	-.01214	-.00427	.00263	.01393	.00773	.01821
-4.000	12.00000	-5.00000	-.00597	.00056	-.01152	-.00423	.00221	.01252	-.00172	.01209
-2.000	12.00000	-5.00000	.01999	.00547	-.01045	-.00475	.00214	.01299	-.01006	.00582
.000	12.00000	-5.00000	.04654	.01029	-.00851	-.00602	.00228	.01495	-.01947	.00191
2.000	12.00000	-5.00000	.07392	.01477	-.00485	-.00709	.00219	.01655	-.02744	-.00201
4.000	12.00000	-5.00000	.09414	.01836	-.00166	-.00675	.00167	.01555	-.03152	-.00672
GRADIENT	.00000	.00000	.01271	.00224	.00127	-.00037	-.00005	.00048	-.00385	-.00227

LARC UPWT 1152(1A94A) OTSAT130

(MJK440) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.04071	-.00679	-.01540	.06950	-.01709	-.16493	.02355	.04444
-6.000	12.00000	-5.00000	-.02137	-.00338	-.01487	.06399	-.01869	-.15568	.01617	.03166
-4.000	12.00000	-5.00000	.00176	.00085	-.01448	.06430	-.01997	-.15391	.01023	.02403
-2.000	12.00000	-5.00000	.03097	.00600	-.01309	.06680	-.02208	-.15524	.00387	.01846
.000	12.00000	-5.00000	.06178	.01109	-.01060	.06737	-.02331	-.15287	-.00390	.01257
2.000	12.00000	-5.00000	.08473	.01542	-.00871	.06870	-.02442	-.15307	-.00933	.00639
4.000	12.00000	-5.00000	.10256	.01932	-.00659	.06655	-.02541	-.15078	-.01606	.00111
GRADIENT	.00000	.00000	.01277	.00232	.00101	.00032	-.00066	.00042	-.00329	-.00300

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJK41) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	12.00000	-5.00000	-.03943	-.00636	-.01666	.11266	-.02982	-.26464	.02585	.04940
	-6.000	12.00000	-5.00000	-.02000	-.00288	-.01616	.10515	-.03152	-.25125	.01779	.03800
	-4.000	12.00000	-5.00000	.00205	.00115	-.01559	.10299	-.03324	-.24667	.01113	.02975
	-2.000	12.00000	-5.00000	.02995	.00619	-.01458	.10288	-.03511	-.24292	.00480	.02475
	.000	12.00000	-5.00000	.06120	.01130	-.01201	.10592	-.03757	-.24329	-.00066	.01966
	2.000	12.00000	-5.00000	.08938	.01599	-.00917	.10667	-.03909	-.24257	-.00506	.01219
	4.000	12.00000	-5.00000	.10920	.01988	-.00683	.10511	-.04067	-.24081	-.00956	.00452
	GRADIENT	.00000	.00000	.01369	.00236	.00115	.00040	-.00094	.00060	-.00256	-.00315

LARC UPWT 1152(1A94A) OTSAT130

(MJK42) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	12.00000	2.00000	-.05781	-.00793	-.01053	-.12527	.03555	.30004	.00511	-.00234
	-6.000	12.00000	2.00000	-.03819	-.00412	-.00982	-.11881	.03792	.28813	-.00722	-.01053
	-4.000	12.00000	2.00000	-.01619	.00006	-.00821	-.11846	.04020	.28405	-.01984	-.01935
	-2.000	12.00000	2.00000	.00721	.00455	-.00623	-.11943	.04250	.28236	-.03104	-.02608
	.000	12.00000	2.00000	.02980	.00877	-.00437	-.12036	.04406	.28063	-.04047	-.02874
	2.000	12.00000	2.00000	.05009	.01240	-.00229	-.12314	.04584	.28343	-.04999	-.03130
	4.000	12.00000	2.00000	.06684	.01552	-.00063	-.12379	.04750	.28333	-.05784	-.03513
	GRADIENT	.00000	.00000	.01045	.00194	.00096	-.00072	.00090	-.00002	-.00475	-.00184

LARC UPWT 1152(1A94A) OTSAT130

(MJK443) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	12.00000	2.00000	-.05601	-.00762	-.01189	-.08234	.02301	.20032	.00884	.00085
	-6.000	12.00000	2.00000	-.03547	-.00379	-.01133	-.07745	.02485	.19113	-.00325	-.00734
	-4.000	12.00000	2.00000	-.01175	.00061	-.01003	-.07760	.02664	.18861	-.01585	-.01698
	-2.000	12.00000	2.00000	.01433	.00553	-.00807	-.07738	.02757	.18496	-.02788	-.02405
	.000	12.00000	2.00000	.03870	.01015	-.00590	-.07923	.02885	.18501	-.03726	-.02704
	2.000	12.00000	2.00000	.05985	.01381	-.00298	-.08226	.03012	.18770	-.04639	-.02985
	4.000	12.00000	2.00000	.07709	.01690	-.00085	-.08249	.03177	.18915	-.05339	-.03365
	GRADIENT	.00000	.00000	.01116	.00204	.00117	-.00073	.00064	.00019	-.00468	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJK444) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	12.00000	2.00000	-.04545	-.00621	-.01315	-.00224	.00198	.01101	.01712	.00796
	-6.000	12.00000	2.00000	-.02586	-.00260	-.01257	-.00305	.00243	.01208	.00680	-.00360
	-4.000	12.00000	2.00000	-.00152	.00183	-.01187	-.00313	.00210	.01090	-.00282	-.00994
	-2.000	12.00000	2.00000	.02529	.00686	-.01071	-.00345	.00191	.01074	-.01195	-.01793
	.000	12.00000	2.00000	.05125	.01155	-.00879	-.00476	.00210	.01300	-.02071	-.02180
	2.000	12.00000	2.00000	.07831	.01601	-.00521	-.00614	.00206	.01487	-.02896	-.02541
	4.000	12.00000	2.00000	.09857	.01956	-.00181	-.00556	.00158	.01355	-.03302	-.02973
	GRADIENT	.00000	.00000	.01266	.00223	.00128	-.00038	-.00005	.00047	-.00387	-.00235

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJKA45) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L - 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.03786	-.00550	-.01553	.07060	-.01753	-.16594	.02083	.02006	
-6.000	12.00000	2.00000	-.01846	-.00209	-.01501	.06580	-.01916	-.15764	.01395	.00914	
-4.000	12.00000	2.00000	.00450	.00212	-.01459	.06559	-.02025	-.15454	.00845	.00140	
-2.000	12.00000	2.00000	.03262	.00717	-.01334	.06678	-.02188	-.15390	.00166	-.00450	
.000	12.00000	2.00000	.06334	.01219	-.01083	.06870	-.02349	-.15459	-.00584	-.01024	
2.000	12.00000	2.00000	.08785	.01669	-.00855	.07025	-.02485	-.15534	-.01129	-.01666	
4.000	12.00000	2.00000	.10648	.02058	-.00610	.06771	-.02570	-.15216	-.01820	-.02258	
GRADIENT	.00000	.00000	.01296	.00232	.00109	.00039	-.00069	.00017	-.00331	-.00301	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA46) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	-.03762	-.00518	-.01697	.11347	-.02991	-.25436	.02318	.02422	
-6.000	12.00000	2.00000	-.01726	-.00159	-.01628	.10634	-.03187	-.25207	.01553	.01374	
-4.000	12.00000	2.00000	.00478	.00243	-.01563	.10384	-.03334	-.24617	.00982	.00649	
-2.000	12.00000	2.00000	.03214	.00743	-.01481	.10402	-.03536	-.24349	.00318	.00189	
.000	12.00000	2.00000	.06274	.01241	-.01219	.10640	-.03747	-.24235	-.00223	-.00358	
2.000	12.00000	2.00000	.09110	.01713	-.00932	.10820	-.03945	-.24460	-.00705	-.01073	
4.000	12.00000	2.00000	.11228	.02110	-.00650	.10671	-.04103	-.24349	-.01172	-.01772	
GRADIENT	.00000	.00000	.01370	.00235	.00119	.00050	-.00097	.00021	-.00267	-.00305	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA47) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	2.00000	-06174	-00835	-00887	-012711	03622	30403	03384	-00192
-6.000	8.00000	2.00000	-04163	-00449	-00820	-011949	.03836	.29022	.02159	-01011
-4.000	8.00000	2.00000	-01966	-00025	-00670	-011845	.04039	.28498	.00898	-01899
-2.000	8.00000	2.00000	00360	.00416	-00479	-011972	.04266	.28308	-00249	-02598
000	8.00000	2.00000	.02699	.00844	-00268	-012110	.04424	.28161	-01394	-02873
2.000	8.00000	2.00000	04732	.01212	-00060	-012321	.04596	.28370	-02423	-03126
4.000	8.00000	2.00000	.06439	.01520	00108	-012388	04757	.28370	-03272	-03503
GRADIENT	.00000	00000	01059	.00194	00099	-00072	00088	-00010	-00526	-00187

LARC UPWT 1152(1A94A) OTSAT130

(MJKA48) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	2.00000	-05945	-00802	-01007	-008265	02330	20027	03661	00118
-6.000	8.00000	2.00000	-03838	-00406	-00960	-007750	.02522	.19104	.02402	-00726
-4.000	8.00000	2.00000	-01402	.00038	-00816	-007747	.02684	.18859	.01196	-01703
-2.000	8.00000	2.00000	.01184	.00520	-00622	-007778	.02780	.18499	.00040	-02407
000	8.00000	2.00000	.03614	.00980	-00406	-007920	.02901	.18548	-01005	-02712
2.000	8.00000	2.00000	.05705	.01344	-00122	-008333	.03078	.19005	-02043	-02974
4.000	8.00000	2.00000	.07536	.01664	.00097	-008265	.03202	.18934	-02878	-03354
GRADIENT	.00000	.00000	.01120	.00204	.00116	-00080	.00067	.00033	-00512	-00193

DATE 29 OCT 76

TABULATED SOURCE DATA - IA94A.

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LARC UPWT 1152(IA94A) OTSAT130

(MJK49) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	8.00000	2.00000	- .05001	- .00670	- .01154	- .00280	.00231	.01146	.04540	.00896
	-6.000	8.00000	2.00000	- .02950	- .00295	- .01098	- .00358	.00267	.01282	.03398	- .00292
	-4.000	8.00000	2.00000	- .00455	.00154	- .01016	- .00348	.00241	.01169	.02309	- .00974
	-2.000	8.00000	2.00000	.02256	.00655	- .00904	- .00462	.00246	.01269	.01393	- .01760
	.000	8.00000	2.00000	.04837	.01123	- .00705	- .00611	.00267	.01532	.00434	- .02169
	2.000	8.00000	2.00000	.07562	.01570	- .00350	- .00718	.00247	.01658	- .00512	- .02528
	4.000	8.00000	2.00000	.09559	.01921	- .00015	- .00700	.00222	.01614	- .00994	- .02971
	GRADIENT	.00000	.00000	.01267	.00222	.00128	- .00048	- .00002	.00064	- .00426	- .00238

LARC UPWT 1152(IA94A) OTSAT130

(MJK450) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
	-8.000	8.00000	2.00000	- .04142	- .00592	- .01336	.07002	- .01716	- .16581	.04658	.02014
	-6.000	8.00000	2.00000	- .02099	- .00240	- .01273	.06447	- .01865	- .15662	.03947	.00947
	-4.000	8.00000	2.00000	.00079	.00167	- .01256	.06525	- .01996	- .15469	.03301	.00234
	-2.000	8.00000	2.00000	.03089	.00697	- .01108	.06598	- .02137	- .15293	.02503	- .00417
	.000	8.00000	2.00000	.06168	.01194	- .00854	.06731	- .02294	- .15297	.01720	- .01020
	2.000	8.00000	2.00000	.08596	.01643	- .00634	.06940	- .02442	- .15489	.01025	- .01661
	4.000	8.00000	2.00000	.10497	.02027	- .00374	.06762	- .02564	- .15297	.00367	- .02223
	GRADIENT	.00000	.00000	.01317	.00233	.00112	.00041	- .00072	.00007	- .00367	- .00308

LARC UPWT 1152(1A94A) OTSAT130

(MJKA51) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8 000	8.00000	2.00000	2.00000	-.04152	-.00570	-.01470	.11264	-.02940	-.26346	.04836	.02443
-6 000	8.00000	2.00000	2.00000	-.02068	-.00206	-.01380	.10554	-.03127	-.25166	.04096	.01404
-4 000	8.00000	2.00000	2.00000	.00236	.00210	-.01321	.10296	-.03283	-.24514	.03432	.00707
-2 000	8.00000	2.00000	2.00000	.03026	.00711	-.01225	.10304	-.03473	-.24179	.02717	.00273
000	8.00000	2.00000	2.00000	.06033	.01208	-.00983	.10544	-.03696	-.24114	.02066	-.00315
2 000	8.00000	2.00000	2.00000	.08867	.01679	-.00697	.10701	-.03887	-.24310	.01397	-.01062
4 000	8.00000	2.00000	2.00000	.10975	.02075	-.00423	.10556	-.04047	-.24145	.00843	-.01762
GRADIENT	.00000	.00000	.00000	.01366	.00235	.00116	.00046	-.00097	.00030	-.00325	-.00314

LARC UPWT 1152(1A94A) OTSAT130

(MJKA52) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8 000	8.00000	-5.00000	-5.00000	-.06242	-.00953	-.00644	-.12724	.03636	.30528	.03527	.02135
-6 000	8.00000	-5.00000	-5.00000	-.04176	-.00555	-.00578	-.11952	.03852	.29144	.02319	.01382
-4 000	8.00000	-5.00000	-5.00000	-.01995	-.00135	-.00445	-.11872	.04048	.28504	.01079	.00577
-2 000	8.00000	-5.00000	-5.00000	.00404	.00317	-.00244	-.11902	.04247	.28191	-.00059	-.00166
000	8.00000	-5.00000	-5.00000	.02778	.00747	-.00024	-.12178	.04459	.28378	-.01229	-.00553
2 000	8.00000	-5.00000	-5.00000	.04784	.01117	.00167	-.12316	.04603	.28429	-.02251	-.00866
4 000	8.00000	-5.00000	-5.00000	.06490	.01428	.00317	-.12457	.04781	.28548	-.03111	-.01298
GRADIENT	.00000	.00000	.00000	.01067	.00196	.00097	-.00079	.00091	.00016	-.00529	-.00222

LARC UPWT 1152(1A94A) OTSAT130

(MJKA53) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.06014	-.00920	-.00771	-.08329	.02346	.20177	.03766	.02396	
-6.000	8.00000	-5.00000	-.03829	-.00512	-.00729	-.07751	.02523	.19177	.02524	.01567	
-4.000	8.00000	-5.00000	-.01349	-.00057	-.00588	-.07721	.02678	.18850	.01334	.00684	
-2.000	8.00000	-5.00000	.01207	.00420	-.00394	-.07778	.02783	.18540	.00171	-.00010	
.000	8.00000	-5.00000	.03595	.00873	-.00183	-.07968	.02929	.18679	-.00844	-.00391	
2.000	8.00000	-5.00000	.05770	.01249	.00103	-.08333	.03078	.19020	-.01916	-.00724	
4.000	8.00000	-5.00000	.07642	.01579	.00321	-.08286	.03212	.18972	-.02727	-.01170	
GRADIENT	.00000	.00000	.01127	.00205	.00116	-.00084	.00068	.00036	-.000510	-.00221	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA54) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.05108	-.00787	-.00951	-.00197	.00203	.00981	.04750	.03185	
-6.000	8.00000	-5.00000	-.02992	-.00401	-.00892	-.00311	.00244	.01170	.03548	.01895	
-4.000	8.00000	-5.00000	-.00477	.00049	-.00806	-.00314	.00222	.01087	.02478	.01223	
-2.000	8.00000	-5.00000	.02178	.00540	-.00680	-.00431	.00228	.01259	.01590	.00537	
.000	8.00000	-5.00000	.04891	.01023	-.00474	-.00590	.00255	.01476	.00568	.00088	
2.000	8.00000	-5.00000	.07626	.01470	-.00110	-.00721	.00238	.01660	-.00400	-.00337	
4.000	8.00000	-5.00000	.09672	.01828	.00225	-.00726	.00220	.01647	-.00898	-.00872	
GRADIENT	.00000	.00000	.01287	.00224	.00132	-.00056	.00000	.00076	-.00437	-.00253	

ORIGINAL PAGE IS OF POOR QUALITY

LARC UPWT 1152(IA94A) OTSAT130

(MJKA55) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.04104	-.00696	-.01091	.06938	-.01702	-.16468	.04913	.04345
-6.000	8.00000	-5.00000	-.02052	-.00340	-.01033	.06411	-.01874	-.15594	.04121	.03144
-4.000	8.00000	-5.00000	.00052	.00056	-.01029	.06449	-.01986	-.15366	.03431	.02515
-2.000	8.00000	-5.00000	.03093	.00584	-.00881	.06569	-.02150	-.15299	.02646	.01845
.000	8.00000	-5.00000	.06127	.01078	-.00640	.06740	-.02318	-.15367	.01880	.01209
2.000	8.00000	-5.00000	.08629	.01534	-.00413	.06844	-.02432	-.15295	.01167	.00468
4.000	8.00000	-5.00000	.10552	.01925	-.00144	.06683	-.02548	-.15167	.00517	-.00182
GRADIENT	00000	00000	.01327	.00234	.00112	.00037	-.00070	.00020	-.00365	-.00338

LARC UPWT 1152(IA94A) OTSAT130

(MJKA56) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.04193	-.00683	-.01245	.11186	-.02943	-.26294	.05110	.04900
-6.000	8.00000	-5.00000	-.02105	-.00317	-.01165	.10505	-.03148	-.25153	.04292	.03728
-4.000	8.00000	-5.00000	.00187	.00094	-.01103	.10173	-.03260	-.24332	.03564	.03014
-2.000	8.00000	-5.00000	.03012	.00599	-.01006	.10173	-.03450	-.23962	.02812	.02490
.000	8.00000	-5.00000	.06003	.01091	-.00763	.10431	-.03670	-.23961	.02195	.01927
2.000	8.00000	-5.00000	.08869	.01568	-.00487	.10643	-.03878	-.24234	.01553	.01088
4.000	8.00000	-5.00000	.11011	.01970	-.00208	.10536	-.04050	-.24178	.01016	.00239
GRADIENT	00000	00000	.01377	.00236	.00115	.00060	-.00100	.00002	-.00318	-.00348

LARC UPWT 1152(1A94A) OTSAT130

(MJKA57) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10 000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.07145	-.01112	-.00725	-.12613	.03589	.30236	.03510	.04443
-6.000	8.00000	-10.00000	-.05125	-.00712	-.00683	-.11871	.03799	.28884	.02244	.03567
-4.000	8.00000	-10.00000	-.02897	-.00284	-.00546	-.11853	.04009	.28514	.00930	.02599
-2.000	8.00000	-10.00000	-.00538	.00169	-.00347	-.11929	.04241	.28313	-.00163	.01869
.000	8.00000	-10.00000	.01851	.00605	-.00133	-.12080	.04416	.28193	-.01296	.01448
2.000	8.00000	-10.00000	.03822	.00968	.00053	-.12324	.04588	.28444	-.02305	.01098
4.000	8.00000	-10.00000	.05589	.01295	.00211	-.12512	.04775	.28691	-.03183	.00617
GRADIENT	.00000	.00000	.01067	.00198	.00096	-.00086	.00094	.00024	-.00518	-.00237

LARC UPWT 1152(1A94A) OTSAT130

(MJKA58) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4 000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8 000
 ELV-RO = -10 000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.06888	-.01071	-.00856	-.08255	.02292	.19956	.03820	.04639
-6.000	8.00000	-10.00000	-.04797	-.00668	-.00818	-.07776	.02507	.19111	.02544	.03726
-4.000	8.00000	-10.00000	-.02340	-.00218	-.00698	-.07574	.02611	.18583	.01314	.02715
-2.000	8.00000	-10.00000	.00302	.00273	-.00483	-.07815	.02783	.18733	.00100	.02019
.000	8.00000	-10.00000	.02755	.00738	-.00253	-.07918	.02904	.18605	-.00963	.01590
2.000	8.00000	-10.00000	.04942	.01120	-.00000	-.08276	.03021	.18857	-.01992	.01180
4.000	8.00000	-10.00000	.06840	.01455	.00228	-.08272	.03158	.18878	-.02792	.00725
GRADIENT	.00000	.00000	.01150	.00210	.00117	-.00093	.00067	.00036	-.00515	-.00241

LARC UPWT 1152(1A94A) OTSAT130

(MJKA59) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05781	-.00928	-.00967	-.00246	.00204	.01063	.04834	.05549
-6.000	8.00000	-10.00000	-.03758	-.00546	-.00941	-.00338	.00244	.01225	.03559	.04108
-4.000	8.00000	-10.00000	-.01238	-.00093	-.00875	-.00421	.00239	.01288	.02407	.03243
-2.000	8.00000	-10.00000	.01344	.00396	-.00755	-.00581	.00269	.01526	.01469	.02470
.000	8.00000	-10.00000	.04021	.00879	-.00557	-.00609	.00242	.01544	.00482	.02020
2.000	8.00000	-10.00000	.06706	.01323	-.00220	-.00772	.00246	.01711	-.00488	.01575
4.000	8.00000	-10.00000	.08738	.01688	.00108	-.00767	.00211	.01724	-.01021	.00975
GRADIENT	00000	00000	.01266	.00224	.00125	-.00044	-.00004	.00053	-.00441	-.00272

LARC UPWT 1152(1A94A) OTSAT130

(MJKA60) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05082	-.00861	-.01179	.07031	-.01745	-.16645	.05053	.06683
-6.000	8.00000	-10.00000	-.03033	-.00507	-.01117	.06417	-.01897	-.15581	.04225	.05467
-4.000	8.00000	-10.00000	-.00743	-.00084	-.01083	.06355	-.01483	-.15305	.03473	.04628
-2.000	8.00000	-10.00000	.01994	.00414	-.00985	.06498	-.02113	-.15258	.02678	.03871
.000	8.00000	-10.00000	.05185	.00928	-.00706	.06615	-.02302	-.15174	.01842	.03072
2.000	8.00000	-10.00000	.07740	.01391	-.00489	.06916	-.02490	-.15517	.01103	.02206
4.000	8.00000	-10.00000	.09604	.01784	-.00259	.06654	-.02564	-.15188	.00435	.01492
GRADIENT	00000	00000	.01322	.00236	.00107	.00051	-.00075	-.00001	-.00383	-.00397

LARC UPWT 1152(1A94A) OTSAT130

(MJK61) (25 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05069	-.00839	-.01296	.11255	-.02981	-.26417	.05250	.07228
-6.000	8.00000	-10.00000	-.02947	-.00473	-.01225	.10471	-.03160	-.25087	.04356	.06087
-4.000	8.00000	-10.00000	-.00698	-.00064	-.01162	.10156	-.03290	-.24386	.03577	.05281
-2.000	8.00000	-10.00000	.02033	.00432	-.01085	.10197	-.03495	-.24157	.02800	.04586
.000	8.00000	-10.00000	.05165	.00946	-.00819	.10437	-.03725	-.24089	.02133	.03903
2.000	8.00000	-10.00000	.08026	.01427	-.00556	.10630	-.03928	-.24356	.01462	.02863
4.000	8.00000	-10.00000	.10161	.01836	-.00286	.10469	-.04057	-.24077	.00922	.01840
GRADIENT	.00000	.00000	.01386	.00240	.00114	.00053	-.00098	.00021	-.00332	-.00430

LARC UPWT 1152(1A94A) OTSAT130

(MJK817) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.29716	-.58537	.21902	.04387	.06747	.03101	.01980	.02354
-6.000	10.00000	-5.00000	.29844	-.42932	.15537	.04349	.06536	.03173	.00732	.01595
-4.000	10.00000	-5.00000	.29777	-.28806	.10171	.04349	.06384	.03134	-.00553	.00795
-2.000	10.00000	-5.00000	.29797	-.15285	.05011	.04381	.06164	.03130	-.01778	.00068
.000	10.00000	-5.00000	.29725	-.02336	.00276	.04409	.05966	.03170	-.02911	-.00303
2.000	10.00000	-5.00000	.29825	.09558	-.04167	.04321	.05841	.03179	-.03933	-.00628
4.000	10.00000	-5.00000	.29563	.21441	-.08568	.04182	.05778	.03149	-.04751	-.01043
GRADIENT	.00000	.00000	-.00020	.06267	-.02333	-.00020	-.00077	.00004	-.00528	-.00219

LARC UPWT (152(1A94A) OTSAT130

(MJKB18) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.29998	-.57823	.22046	.04292	.06548	.03162	.02169	.02580
-6.000	10.00000	-5.00000	.30059	-.42581	.16000	.04321	.06479	.03078	.00954	.01782
-4.000	10.00000	-5.00000	.30059	-.29052	.10654	.04337	.06299	.03016	-.00264	.00922
-2.000	10.00000	-5.00000	.29947	-.15578	.05498	.04325	.06054	.03027	-.01456	.00267
.000	10.00000	-5.00000	.29907	-.02488	.00618	.04284	.05938	.03077	-.02480	-.00112
2.000	10.00000	-5.00000	.29891	.09742	-.04046	.04181	.05779	.03087	-.03567	-.00473
4.000	10.00000	-5.00000	.29650	.21434	-.08347	.04127	.05705	.03071	-.04315	-.00903
GRADIENT	.00000	00000	-.00044	.06315	-.02377	-.00028	-.00073	.00008	-.00511	-.00220

LARC UPWT (152(1A94A) OTSAT130

(MJKB19) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.30496	-.56312	.21510	.04138	.06652	.02920	.03155	.03240
-6.000	10.00000	-5.00000	.30273	-.41710	.15922	.04190	.06466	.02902	.02040	.01993
-4.000	10.00000	-5.00000	.30343	-.28198	.10588	.04218	.06152	.02833	.01104	.01380
-2.000	10.00000	-5.00000	.30454	-.14660	.05279	.04225	.05947	.02821	.00133	.00691
.000	10.00000	-5.00000	.30534	-.01951	.00606	.04170	.05773	.02802	-.00953	.00251
2.000	10.00000	-5.00000	.30430	.09723	-.03613	.04115	.05615	.02809	-.01904	-.00165
4.000	10.00000	-5.00000	.30051	.21072	-.07891	.03997	.05556	.02838	-.02402	-.00666
GRADIENT	.00000	00000	-.00030	.06146	-.02292	-.00028	-.00076	-.00000	-.00452	-.00247

LARC UPWT 1152(1A94A) OTSAT130

(MJKB20) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.31075	-.57930	.22248	.04227	.06568	.02718	.03498	.04630
-6.000	10.00000	-5.00000	.30787	-.42936	.16330	.04278	.06438	.02799	.02725	.03297
-4.000	10.00000	-5.00000	.30718	-.28957	.10875	.04274	.06181	.02739	.02080	.02573
-2.000	10.00000	-5.00000	.30799	-.15393	.05544	.04278	.05887	.02646	.01363	.01982
.000	10.00000	-5.00000	.30833	-.02734	.00857	.04300	.05691	.02574	.00652	.01395
2.000	10.00000	-5.00000	.30658	.09247	-.03704	.04260	.05564	.02585	-.00080	.00696
4.000	10.00000	-5.00000	.30410	.20686	-.08000	.04179	.05407	.02608	-.00815	.00337
GRADIENT	.00000	.00000	-.00038	.06196	-.02350	-.00010	-.00094	-.00016	-.00362	-.00318

LARC UPWT 1152(1A94A) OTSAT130

(MJKB21) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.30877	-.58047	.22191	.04396	.06585	.02540	.03736	.05188
-6.000	10.00000	-5.00000	.30850	-.43093	.16202	.04431	.06432	.02614	.02897	.03956
-4.000	10.00000	-5.00000	.30734	-.29123	.10790	.04441	.06223	.02582	.02200	.03079
-2.000	10.00000	-5.00000	.30777	-.15835	.05655	.04436	.05984	.02507	.01540	.02627
.000	10.00000	-5.00000	.30855	-.02368	.00534	.04409	.05799	.02413	.00952	.02124
2.000	10.00000	-5.00000	.30643	.09552	-.04071	.04345	.05704	.02470	.00347	.01307
4.000	10.00000	-5.00000	.30315	.21074	-.08439	.04308	.05551	.02498	-.00214	.00511
GRADIENT	.00000	.00000	-.00049	.06289	-.02409	-.00018	-.00081	-.00010	-.00301	-.00323

LARC UPWT 1152(1A94A) OTSAT130

(MJKB22) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	2.00000	.29727	-.57669	.21168	.04395	.06741	.03095	.01805	-.00024
-6.000	10.00000	2.00000	2.00000	.29850	-.42290	.14967	.04357	.06553	.03165	.00533	-.00791
-4.000	10.00000	2.00000	2.00000	.29770	-.28148	.09554	.04357	.06387	.03150	-.00792	-.01608
-2.000	10.00000	2.00000	2.00000	.29802	-.14772	.04454	.04386	.06144	.03146	-.01968	-.02303
.000	10.00000	2.00000	2.00000	.29807	-.01922	-.00200	.04408	.05930	.03173	-.03064	-.02580
2.000	10.00000	2.00000	2.00000	.29910	.10008	-.04602	.04309	.05810	.03177	-.04100	-.02850
4.000	10.00000	2.00000	2.00000	.29705	.21708	-.08915	.04193	.05735	.03159	-.04923	-.03259
GRADIENT	00000	.00000	.00000	-.00001	.06225	-.02300	-.00020	-.00082	00002	-.00520	-.00192

LARC UPWT 1152(1A94A) OTSAT130

(MJKB23) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	2.00000	.30043	-.56997	.21317	.04298	.06527	.03156	.02104	.00258
-6.000	10.00000	2.00000	2.00000	.30038	-.42036	.15414	.04331	.06478	.03091	.00834	-.00543
-4.000	10.00000	2.00000	2.00000	.30042	-.28309	.10009	.04343	.06306	.03034	-.00450	-.01442
-2.000	10.00000	2.00000	2.00000	.30008	-.14906	.04895	.04329	.06034	.03043	-.01639	-.02099
.000	10.00000	2.00000	2.00000	.29987	-.01855	.00067	.04279	.05818	.03087	-.02698	-.02418
2.000	10.00000	2.00000	2.00000	.30036	.10094	-.04456	.04172	.05739	.03091	-.03705	-.02697
4.000	10.00000	2.00000	2.00000	.29811	.21668	-.08730	.04116	.05668	.03082	-.04493	-.03099
GRADIENT	00000	00000	00000	-.00022	.06248	-.02342	-.00031	-.00079	00007	-.00508	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJKB24) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
-8.000	10.00000	2.00000	.30594	-.56142	.21041	.04152	.06635	.02920	.02988	.01034	
-6.000	10.00000	2.00000	.30378	-.41489	.15476	.04198	.06453	.02905	.01912	-.00105	
-4.000	10.00000	2.00000	.30415	-.27450	.09972	.04221	.06134	.02836	.00848	-.00777	
-2.000	10.00000	2.00000	.30520	-.14190	.04758	.04224	.05958	.02826	-.00093	-.01517	
.000	10.00000	2.00000	.30377	-.01736	.00238	.04182	.05759	.02813	-.01057	-.01895	
2.000	10.00000	2.00000	.30271	.10164	-.04033	.04119	.05597	.02814	-.02008	-.02259	
4.000	10.00000	2.00000	.30168	.21653	-.08360	.03970	.05511	.02840	-.02483	-.02719	
GRADIENT	.00000	00000	-.00037	.06128	-.02273	-.00030	-.00080	-.00000	-.00429	-.00231	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB25) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
-8.000	10.00000	2.00000	.31108	-.57062	.21515	.04240	.06558	.02715	.03284	.02192	
-6.000	10.00000	2.00000	.30854	-.42164	.15661	.04288	.06439	.02797	.02558	.01133	
-4.000	10.00000	2.00000	.30721	-.28245	.10273	.04280	.06222	.02754	.01964	.00429	
-2.000	10.00000	2.00000	.30879	-.14631	.04922	.04279	.05899	.02648	.01211	-.00198	
.000	10.00000	2.00000	.30971	-.02044	.00240	.04295	.05680	.02566	.00449	-.00758	
2.000	10.00000	2.00000	.30818	.10061	-.04332	.04248	.05526	.02580	-.00245	-.01375	
4.000	10.00000	2.00000	.30605	.21553	-.08624	.04161	.05376	.02609	-.00960	-.01952	
GRADIENT	.00000	00000	-.00015	.06214	-.02352	-.00013	-.00103	-.00018	-.00365	-.00297	

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LARC UPWT 1152(1A94A) OTSAT130

(MJKB26) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	.30907	-.56989	.21361	.04406	.06581	.02530	.03499	.02605
-6.000	10.00000	2.00000	.30922	-.42316	.15520	.04438	.06427	.02607	.02739	.01581
-4.000	10.00000	2.00000	.30795	-.28516	.10214	.04447	.06240	.02582	.02115	.00916
-2.000	10.00000	2.00000	.30881	-.14775	.04856	.04434	.05972	.02507	.01404	.00475
.000	10.00000	2.00000	.30990	-.01778	-.00038	.04404	.05790	.02412	.00808	-.00072
2.000	10.00000	2.00000	.30820	.10125	-.04597	.04336	.05679	.02467	.00189	-.00797
4.000	10.00000	2.00000	.30489	.21557	-.08887	.04299	.05530	.02502	-.00392	-.01484
GRADIENT	.00000	00000	-.00034	.06252	-.02383	-.00020	-.00086	-.00010	-.00311	-.00304

LARC UPWT 1152(1A94A) OTSAT130

(MJKB27) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.29757	-.58951	.22542	.04390	.06774	.03105	.01763	.04500
-6.000	10.00000	-10.00000	.29869	-.43791	.16354	.04360	.06562	.03178	.00455	.03543
-4.000	10.00000	-10.00000	.29812	-.29888	.11005	.04359	.06408	.03146	-.00840	.02538
-2.000	10.00000	-10.00000	.29786	-.16040	.05736	.04390	.06205	.03120	-.02057	.01795
.000	10.00000	-10.00000	.29724	-.03198	.00999	.04430	.06016	.03163	-.03126	.01359
2.000	10.00000	-10.00000	.29755	.09013	-.03569	.04351	.05887	.03184	-.04139	.01011
4.000	10.00000	-10.00000	.29582	.20618	-.07853	.04221	.05819	.03153	-.04945	.00625
GRADIENT	.00000	00000	-.00025	.06303	-.02351	-.00016	-.00075	.00004	-.00515	-.00231

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJKB28) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4 000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30131	-.58930	.22868	.04288	.06572	.03169	.02093	.04678	
-6.000	10.00000	-10.00000	.30163	-.43818	.16880	.04319	.06500	.03090	.00792	.03752	
-4.000	10.00000	-10.00000	.30120	-.29673	.11344	.04337	.06317	.03016	-.00475	.02700	
-2.000	10.00000	-10.00000	.29988	-.16135	.06117	.04333	.06086	.03025	-.01767	.01961	
0.000	10.00000	-10.00000	.29940	-.03285	.01284	.04300	.05867	.03083	-.02752	.01517	
2.000	10.00000	-10.00000	.29858	.08868	-.03314	.04211	.05816	.03097	-.03754	.01118	
4.000	10.00000	-10.00000	.29710	.20474	-.07622	.04142	.05738	.03077	-.04494	.00736	
GRADIENT	.00000	.00000	-.00048	.06265	-.02368	-.00026	-.00071	.00010	-.00501	-.00239	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB29) (25 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30559	-.57645	.22427	.04146	.06646	.02921	.03102	.05503	
-6.000	10.00000	-10.00000	.30294	-.43272	.16894	.04194	.06502	.02913	.01920	.04180	
-4.000	10.00000	-10.00000	.30282	-.29164	.11348	.04225	.06229	.02859	.00873	.03289	
-2.000	10.00000	-10.00000	.30439	-.15727	.06077	.04238	.05984	.02836	-.00063	.02405	
0.000	10.00000	-10.00000	.30498	-.02848	.01325	.04191	.05812	.02813	-.01180	.01928	
2.000	10.00000	-10.00000	.30406	.08692	-.02867	.04131	.05643	.02818	-.02081	.01513	
4.000	10.00000	-10.00000	.29954	.20229	-.07190	.04017	.05594	.02847	-.02556	.00963	
GRADIENT	.00000	.00000	-.00034	.06160	-.02301	-.00026	-.00081	-.00002	-.00444	-.00277	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB30) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.31185	-.58593	.22999	.04231	.06599	.02706	.03388	.06593
-6.000	10.00000	-10.00000	.30898	-.43620	.17054	.04277	.06491	.02775	.02595	.05406
-4.000	10.00000	-10.00000	.30741	-.29835	.11633	.04280	.06236	.02756	.01923	.04629
-2.000	10.00000	-10.00000	.30850	-.15948	.06220	.04288	.05930	.02657	.01180	.03868
.000	10.00000	-10.00000	.30851	-.03422	.01486	.04323	.05754	.02597	.00389	.03041
2.000	10.00000	-10.00000	.30672	.08499	-.03090	.04285	.05626	.02599	-.00329	.02158
4.000	10.00000	-10.00000	.30438	.20076	-.07401	.04203	.05453	.02620	-.01021	.01493
GRADIENT	.00000	.00000	-.00039	.06213	-.02369	-.00008	-.00094	-.00017	-.00370	-.00399

LARC UPWT 1152(1A94A) OTSAT130

(MJKB31) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30979	-.59005	.23015	.04400	.06632	.02541	.03627	.07125
-6.000	10.00000	-10.00000	.30975	-.44242	.17091	.04434	.06491	.02606	.02762	.06025
-4.000	10.00000	-10.00000	.30822	-.30015	.11627	.04441	.06257	.02601	.02052	.05273
-2.000	10.00000	-10.00000	.30837	-.16261	.06243	.04444	.06033	.02531	.01318	.04596
.000	10.00000	-10.00000	.30889	-.03449	.01323	.04439	.05850	.02442	.00671	.03927
2.000	10.00000	-10.00000	.30734	.08648	-.03357	.04378	.05757	.02482	.00088	.02860
4.000	10.00000	-10.00000	.30377	.20357	-.07783	.04334	.05623	.02510	-.00448	.01871
GRADIENT	.00000	.00000	-.00050	.06283	-.02421	-.00014	-.00077	-.00012	-.00312	-.00427

LARC UPWT 1152(1A94A) OTSAT130

(MJKB32) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	-10.00000	.29893	-.58721	.22407	.04414	.06764	.03111	.00719	.04410
	-6.000	12.00000	-10.00000	.29998	-.43534	.16197	.04385	.06561	.03182	-.00496	.03473
	-4.000	12.00000	-10.00000	.29876	-.29795	.10894	.04380	.06404	.03162	-.01733	.02496
	-2.000	12.00000	-10.00000	.29857	-.16143	.05686	.04422	.06175	.03131	-.02853	.01684
	.000	12.00000	-10.00000	.29776	-.03318	.00941	.04460	.05983	.03166	-.03802	.01255
	2.000	12.00000	-10.00000	.29877	.08967	-.03591	.04366	.05857	.03181	-.04740	.00971
	4.000	12.00000	-10.00000	.29540	.20669	-.07906	.04248	.05799	.03152	-.05548	.00643
	GRADIENT	.00000	.00000	-.00023	.06302	-.02344	-.00016	-.00076	.00001	-.00476	-.00224

LARC UPWT 1152(1A94A) OTSAT130

(MJKB33) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	-10.00000	.30241	-.58774	.22743	.04324	.06562	.03167	.01062	.04596
	-6.000	12.00000	-10.00000	.30219	-.43734	.16835	.04356	.06491	.03098	-.00141	.03679
	-4.000	12.00000	-10.00000	.30160	-.29622	.11271	.04364	.06323	.03051	-.01352	.02627
	-2.000	12.00000	-10.00000	.30077	-.16082	.06048	.04358	.06095	.03036	-.02569	.01819
	.000	12.00000	-10.00000	.30066	-.03003	.01158	.04322	.05856	.03075	-.03456	.01394
	2.000	12.00000	-10.00000	.29992	.09025	-.03381	.04228	.05787	.03094	-.04401	.01062
	4.000	12.00000	-10.00000	.29769	.20464	-.07645	.04170	.05727	.03074	-.05134	.00698
	GRADIENT	.00000	.00000	-.00043	.06264	-.02363	-.00026	-.00075	.00005	-.00470	-.00231

LARC UPWT 1152(1A94A) OTSAT130

(MJKB34) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	-10.00000	.30645	-.57607	.22340	.04182	.06639	.02932	.01913	.05397
	-6.000	12.00000	-10.00000	.30421	-.42725	.16581	.04225	.06464	.02914	.00789	.04028
	-4.000	12.00000	-10.00000	.30387	-.28869	.11142	.04257	.06168	.02859	-.00195	.03098
	-2.000	12.00000	-10.00000	.30496	-.15521	.05928	.04269	.05947	.02846	-.01056	.02318
	.000	12.00000	-10.00000	.30553	-.02551	.01170	.04214	.05769	.02814	-.01944	.01861
	2.000	12.00000	-10.00000	.30426	.08825	-.02973	.04168	.05616	.02820	-.02775	.01427
	4.000	12.00000	-10.00000	.30001	.20429	-.07338	.04041	.05575	.02850	-.03188	.00914
	GRADIENT	.00000	.00000	-.00042	.06147	-.02293	-.00027	-.00076	-.00002	-.00385	-.00263

LARC UPWT 1152(1A94A) OTSAT130

(MJKB35) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	-10.00000	.31319	-.58145	.22786	.04267	.06564	.02719	.02289	.06460
	-6.000	12.00000	-10.00000	.31060	-.43615	.16961	.04312	.06454	.02787	.01508	.05299
	-4.000	12.00000	-10.00000	.30879	-.29510	.11443	.04309	.06215	.02763	.00871	.04541
	-2.000	12.00000	-10.00000	.30856	-.15834	.06153	.04326	.05957	.02678	.00217	.03763
	.000	12.00000	-10.00000	.30952	-.02857	.01220	.04355	.05723	.02600	-.00488	.02937
	2.000	12.00000	-10.00000	.30766	.08819	-.03251	.04314	.05583	.02601	-.01059	.02138
	4.000	12.00000	-10.00000	.30546	.20250	-.07529	.04227	.05441	.02618	-.01647	.01459
	GRADIENT	.00000	.00000	-.00038	.06209	-.02367	-.00009	-.00096	-.00018	-.00316	-.00389

LARC UPWT 1152(IA94A) OTSAT130

(MJKB36) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.31115	-.58592	.22813	.04425	.06606	.02551	.02577	.06966
-6.000	12.00000	-10.00000	.31111	-.43844	.16863	.04457	.06462	.02612	.01731	.05847
-4.000	12.00000	-10.00000	.30949	-.29900	.11525	.04467	.06250	.02598	.01051	.05087
-2.000	12.00000	-10.00000	.30961	-.16356	.06188	.04481	.05999	.02526	.00376	.04466
.000	12.00000	-10.00000	.31038	-.03454	.01298	.04472	.05815	.02444	-.00180	.03827
2.000	12.00000	-10.00000	.30815	.08759	-.03398	.04408	.05721	.02487	-.00617	.02811
4.000	12.00000	-10.00000	.30515	.20405	-.07857	.04360	.05576	.02510	-.01059	.01871
GRADIENT	.00000	.00000	-.00051	.06286	-.02418	-.00014	-.00081	-.00011	-.00261	-.00404

LARC UPWT 1152(IA94A) OTSAT130

(MJKB37) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.29779	-.58447	.21799	.04441	.05763	.03129	.00752	.02206
-6.000	12.00000	-5.00000	.29862	-.43248	.15604	.04414	.06541	.03215	-.00459	.01445
-4.000	12.00000	-5.00000	.29775	-.28957	.10114	.04407	.06386	.03170	-.01725	.00624
-2.000	12.00000	-5.00000	.29736	-.15605	.05038	.04444	.06162	.03160	-.02854	-.00064
.000	12.00000	-5.00000	.29683	-.02687	.00288	.04470	.05962	.03192	-.03805	-.00383
2.000	12.00000	-5.00000	.29753	.09001	-.04045	.04377	.05850	.03198	-.04752	-.00631
4.000	12.00000	-5.00000	.29532	.21021	-.08466	.04254	.05781	.03169	-.05546	-.01053
GRADIENT	.00000	.00000	-.00023	.06228	-.02312	-.00019	-.00076	.00002	-.00477	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJKB38) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	-5.00000	.30023	-.58013	.21923	.04349	.06569	.03183	.01051	.02470
-6.000	12.00000	-5.00000	.30056	-.43207	.16099	.04381	.06490	.03108	-.00123	.01696
-4.000	12.00000	-5.00000	.29985	-.29016	.10548	.04389	.06298	.03051	-.01362	.00837
-2.000	12.00000	-5.00000	.29901	-.15692	.05437	.04367	.06078	.03058	-.02526	.00152
.000	12.00000	-5.00000	.29847	-.02328	.00431	.04330	.05838	.03099	-.03465	-.00200
2.000	12.00000	-5.00000	.29842	.09279	-.03898	.04246	.05763	.03108	-.04369	-.00511
4.000	12.00000	-5.00000	.29685	.20806	-.08223	.04179	.05695	.03082	-.05109	-.00940
GRADIENT	.00000	.00000	-.00033	.06231	-.02344	-.00027	-.00076	.00006	-.00467	-.00211

LARC UPWT 1152(1A94A) OTSAT130

(MJKB39) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	-5.00000	.30679	-.56681	.21623	.04205	.06662	.02944	.01856	.03083
-6.000	12.00000	-5.00000	.30504	-.42236	.16108	.04250	.06477	.02930	.00773	.01821
-4.000	12.00000	-5.00000	.30436	-.28538	.10732	.04284	.06158	.02870	-.00172	.01209
-2.000	12.00000	-5.00000	.30498	-.15115	.05433	.04290	.05961	.02862	-.01006	.00582
.000	12.00000	-5.00000	.30594	-.02211	.00712	.04230	.05765	.02824	-.01947	.00191
2.000	12.00000	-5.00000	.30480	.09393	-.03473	.04177	.05612	.02829	-.02744	-.00201
4.000	12.00000	-5.00000	.30092	.20751	-.07728	.04044	.05556	.02863	-.03152	-.00672
GRADIENT	.00000	.00000	-.00035	.06154	-.02291	-.00030	-.00078	-.00002	-.00385	-.00227

LARC UPWT 1152(1A94A) OTSAT130

(MJKB40) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L - 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.30996	-.57812	.22116	.04284	.06576	.02741	.02355	.04444
-6.000	12.00000	-5.00000	.30712	-.43072	.16261	.04331	.06445	.02828	.01617	.03166
-4.000	12.00000	-5.00000	.30598	-.29152	.10765	.04327	.06188	.02767	.01023	.02403
-2.000	12.00000	-5.00000	.30657	-.15445	.05427	.04336	.05906	.02661	.00387	.01846
.000	12.00000	-5.00000	.30672	-.02264	.00500	.04360	.05711	.02597	-.00390	.01257
2.000	12.00000	-5.00000	.30529	.09213	-.03885	.04320	.05554	.02610	-.00933	.00639
4.000	12.00000	-5.00000	.30280	.20591	-.08063	.04231	.05406	.02631	-.01606	.00011
GRADIENT	.00000	.00000	-.00038	.06207	-.02348	-.00010	-.00096	-.00016	-.00329	-.00300

LARC UPWT 1152(1A94A) OTSAT130

(MJKB41) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.30719	-.57931	.21930	.04451	.06614	.02561	.02585	.04940
-6.000	12.00000	-5.00000	.30745	-.43242	.16099	.04480	.06444	.02632	.01779	.03800
-4.000	12.00000	-5.00000	.30594	-.29318	.10726	.04494	.06243	.02596	.01113	.02975
-2.000	12.00000	-5.00000	.30625	-.15529	.05336	.04491	.05993	.02526	.00480	.02475
.000	12.00000	-5.00000	.30689	-.02457	.00394	.04471	.05810	.02443	-.00066	.01966
2.000	12.00000	-5.00000	.30505	.09322	-.04115	.04406	.05709	.02490	-.00506	.01219
4.000	12.00000	-5.00000	.30164	.20634	-.08362	.04365	.05568	.02519	-.00956	.00452
GRADIENT	.00000	.00000	-.00049	.06238	-.02381	-.00017	-.00082	-.00010	-.00256	-.00315

LARC UPWT 1152(IA94A) OTSAT130

(MJKB42) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	29711	-.57382	.20942	.04463	.06779	.03132	.00511	-.00234
-6.000	12.00000	2.00000	29847	-.42275	.14826	.04431	.06577	.03215	-.00722	-.01053
-4.000	12.00000	2.00000	29778	-.28058	.09358	.04426	.06400	.03198	-.01984	-.01935
-2.000	12.00000	2.00000	.29792	-.14399	.04140	.04457	.06151	.03192	-.03104	-.02608
.000	12.00000	2.00000	.29729	-.01668	-.00453	.04481	.05966	.03213	-.04047	-.02874
2.000	12.00000	2.00000	29879	.10315	-.04906	.04372	.05840	.03215	-.04999	-.03130
4.000	12.00000	2.00000	.29692	.22098	-.09187	.04259	.05751	.03196	-.05784	-.03513
GRADIENT	.00000	00000	-.00004	.06251	-.02307	-.00021	-.00080	.00001	-.00475	-.00184

LARC UPWT 1152(IA94A) OTSAT130

(MJKB43) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	30046	-.57063	.21184	.04370	.06576	.03188	.00884	.00085
-6.000	12.00000	2.00000	.30048	-.42256	.15398	.04403	.06504	.03129	-.00325	-.00734
-4.000	12.00000	2.00000	.30066	-.28243	.09896	.04409	.06305	.03069	-.01585	-.01698
-2.000	12.00000	2.00000	.29985	-.14486	.04609	.04381	.06095	.03084	-.02788	-.02405
.000	12.00000	2.00000	.29972	-.01443	-.00252	.04337	.05830	.03130	-.03726	-.02704
2.000	12.00000	2.00000	29986	.10411	-.04623	.04247	.05740	.03132	-.04639	-.02985
4.000	12.00000	2.00000	.29827	.21881	-.08924	.04183	.05671	.03116	-.05339	-.03365
GRADIENT	.00000	00000	-.00024	.06257	-.02344	-.00029	-.00081	.00007	-.00468	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJKB44) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	2.00000	.30597	-.55752	.20810	.04228	.06663	.02947	.01712	.00796
	-6.000	12.00000	2.00000	.30417	-.41356	.15333	.04269	.06486	.02940	.00680	-.00360
	-4.000	12.00000	2.00000	.30391	-.27598	.09917	.04299	.06196	.02889	-.00282	-.00994
	-2.000	12.00000	2.00000	.30459	-.13942	.04528	.04299	.05956	.02872	-.01195	-.01793
	.000	12.00000	2.00000	.30630	-.01463	-.00029	.04236	.05762	.02847	-.02071	-.02180
	2.000	12.00000	2.00000	.30531	.10203	-.04200	.04180	.05594	.02847	-.02896	-.02541
	4.000	12.00000	2.00000	.30185	.21736	-.08523	.04041	.05537	.02877	-.03302	-.02973
	GRADIENT	.00000	.00000	-.00017	.06141	-.02280	-.00032	-.00083	-.00003	-.00387	-.00235

LARC UPWT 1152(1A94A) OTSAT130

(MJKB45) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	12.00000	2.00000	.31104	-.56896	.21373	.04307	.06593	.02751	.02083	.02006
	-6.000	12.00000	2.00000	.30882	-.42139	.15539	.04357	.06472	.02824	.01395	.00914
	-4.000	12.00000	2.00000	.30770	-.28057	.10039	.04349	.06212	.02783	.00845	.00140
	-2.000	12.00000	2.00000	.30883	-.14571	.04806	.04347	.05911	.02670	.00166	-.00450
	.000	12.00000	2.00000	.30950	-.01552	-.00108	.04367	.05720	.02598	-.00584	-.01024
	2.000	12.00000	2.00000	.30810	.10326	-.04592	.04322	.05557	.02607	-.01129	-.01666
	4.000	12.00000	2.00000	.30587	.21662	-.08735	.04229	.05392	.02640	-.01820	-.02258
	GRADIENT	.00000	.00000	-.00022	.06217	-.02347	-.00013	-.00100	-.00017	-.00331	-.00301

LARC UPWT 1152(1A94A) OTSAT130

(MJKB46) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.30888	-.56976	.21238	.04468	.06621	.02560	.02318	.02422
-6.000	12.00000	2.00000	.30924	-.41981	.15284	.04498	.06468	.02627	.01553	.01374
-4.000	12.00000	2.00000	.30794	-.28223	.09977	.04508	.06274	.02605	.00982	.00649
-2.000	12.00000	2.00000	.30860	-.14568	.04652	.04505	.06015	.02536	.00318	.00189
.000	12.00000	2.00000	.30974	-.01794	-.00187	.04482	.05801	.02448	-.00223	-.00358
2.000	12.00000	2.00000	.30819	.10242	-.04778	.04415	.05702	.02491	-.00705	-.01073
4.000	12.00000	2.00000	.30496	.21783	-.09049	.04362	.05559	.02525	-.01172	-.01772
GRADIENT	00000	.00000	-.00032	.06241	-.02374	-.00019	- .00087	- .00010	-.00267	-.00305

LARC UPWT 1152(1A94A) OTSAT130

(MJKB47) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	2.00000	.29609	-.57944	.21391	.04387	.06799	.03112	.03384	-.00192
-6.000	8.00000	2.00000	.29747	-.42578	.15168	.04350	.06593	.03187	.02159	-.01011
-4.000	8.00000	2.00000	.29702	-.28376	.09753	.04338	.06443	.03156	.00898	-.01899
-2.000	8.00000	2.00000	.29684	-.14910	.04606	.04361	.06228	.03155	-.00249	-.02598
.000	8.00000	2.00000	.29649	-.02289	.00007	.04382	.06022	.03188	-.01394	-.02873
2.000	8.00000	2.00000	.29802	.09969	-.04500	.04286	.05897	.03193	-.02423	-.03126
4.000	8.00000	2.00000	.29594	.21479	-.08694	.04179	.05815	.03183	-.03272	-.03503
GRADIENT	00000	00000	-.00005	.06229	-.02300	-.00020	-.00079	.00005	-.00526	-.00187

DATE '29 OCT 76

TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJKB48) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.29944	- .57549	.21635	.04281	.06581	.03177	.03661	.00118
-6.000	8.00000	2.00000	.29920	- .42493	.15681	.04308	.06536	.03117	.02402	-.00726
-4.000	8.00000	2.00000	.29937	- .28488	.10200	.04310	.06379	.03038	.01196	-.01703
-2.000	8.00000	2.00000	.29850	- .15091	.05075	.04297	.06163	.03048	.00040	-.02407
.000	8.00000	2.00000	.29886	- .02171	.00253	.04248	.05902	.03101	-.01005	-.02712
2.000	8.00000	2.00000	.29947	.09842	-.04211	.04143	.05834	.03105	-.02043	-.02974
4.000	8.00000	2.00000	.29740	.21381	-.08500	.04094	.05752	.03102	-.02878	-.03354
GRADIENT	.00000	00000	- .00015	.06234	-.02334	-.00029	- .00079	00009	-.00512	-.00193

LARC UPWT 1152(1A94A) OTSAT130

(MJKB49) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.30420	- .56574	.21308	.04132	.06692	.02931	.04540	.00896
-6.000	8.00000	2.00000	.30153	- .41731	.15652	.04168	.06564	.02927	.03398	-.00292
-4.000	8.00000	2.00000	.30157	- .27851	.10244	.04192	.06268	.02855	.02309	-.00974
-2.000	8.00000	2.00000	.30335	- .14429	.04937	.04198	.06049	.02834	.01393	-.01760
.000	8.00000	2.00000	.30396	- .02006	.00433	.04154	.05861	.02826	.00434	-.02169
2.000	8.00000	2.00000	.30307	.09863	-.03843	.04095	.05669	.02827	-.00512	-.02528
4.000	8.00000	2.00000	.30008	.21384	-.08165	.03961	.05586	.02862	-.00994	-.02971
GRADIENT	00000	00000	- .00016	.06138	-.02280	-.00028	- .00086	.00000	-.00426	-.00238

LARC UPWT 1152(IA94A) OTSAT130

(MJKB50) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.31020	-.57241	.21772	.04212	.06615	.02715	.04658	.02014
-6.000	8.00000	2.00000	.30785	-.42228	.15880	.04253	.06528	.02793	.03947	.00947
-4.000	8.00000	2.00000	.30645	-.28663	.10561	.04255	.06305	.02760	.03301	.00234
-2.000	8.00000	2.00000	.30784	-.14611	.05078	.04256	.05990	.02658	.02503	-.00417
.000	8.00000	2.00000	.30831	-.02062	.00337	.04280	.05789	.02584	.01720	-.01020
2.000	8.00000	2.00000	.30718	.10063	-.04222	.04233	.05628	.02589	.01025	-.01661
4.000	8.00000	2.00000	.30479	.21185	-.08358	.04153	.05468	.02623	.00367	-.02223
GRADIENT	.00000	.00000	-.00020	.06219	-.02357	-.00011	-.00102	-.00017	-.00367	-.00308

LARC UPWT 1152(IA94A) OTSAT130

(MJKB51) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.30852	-.57623	.21777	.04401	.06621	.02541	.04836	.02443
-6.000	8.00000	2.00000	.30884	-.42820	.15895	.04414	.06528	.02610	.04096	.01404
-4.000	8.00000	2.00000	.30756	-.28745	.10474	.04422	.06333	.02602	.03432	.00707
-2.000	8.00000	2.00000	.30810	-.15042	.05082	.04409	.06084	.02528	.02717	.00273
.000	8.00000	2.00000	.30922	-.02104	.00214	.04391	.05887	.02420	.02066	-.00315
2.000	8.00000	2.00000	.30749	.09806	-.04339	.04325	.05781	.02475	.01397	-.01062
4.000	8.00000	2.00000	.30427	.21322	-.08654	.04280	.05619	.02517	.00843	-.01762
GRADIENT	.00000	.00000	-.00036	.06249	-.02384	-.00018	-.00087	-.00011	-.00325	-.00314

LARC UPWT 1152(1A94A) OTSAT130

(MJKB52) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	8.00000	-5.00000	.29537	-.58984	.22234	.04380	.06808	.03107	.03527	.02135
	-6.000	8.00000	-5.00000	.29661	-.43304	.15880	.04344	.06590	.03176	.02319	.01382
	-4.000	8.00000	-5.00000	.29645	-.29310	.10507	.04331	.06444	.03133	.01079	.00577
	-2.000	8.00000	-5.00000	.29605	-.15645	.05323	.04358	.06240	.03130	-.00059	-.00166
	.000	8.00000	-5.00000	.29515	-.02920	.00636	.04386	.06063	.03172	-.01229	-.00553
	2.000	8.00000	-5.00000	.29646	.09268	-.03888	.04295	.05936	.03187	-.02251	-.00866
	4.000	8.00000	-5.00000	.29395	.20801	-.08140	.04182	.05864	.03171	-.03111	-.01298
	GRADIENT	.00000	.00000	-.00023	.06257	-.02325	-.00018	-.00073	.00007	-.00529	-.00222

LARC UPWT 1152(1A94A) OTSAT130

(MJKB53) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
	-8.000	8.00000	-5.00000	.29869	-.58633	.22466	.04265	.06599	.03172	.03766	.02396
	-6.000	8.00000	-5.00000	.29831	-.43337	.16408	.04298	.06542	.03103	.02524	.01567
	-4.000	8.00000	-5.00000	.29851	-.29218	.10879	.04304	.06378	.03019	.01334	.00684
	-2.000	8.00000	-5.00000	.29742	-.15811	.05709	.04298	.06189	.03025	.00171	-.00010
	.000	8.00000	-5.00000	.29754	-.02979	.00896	.04254	.05933	.03081	-.00844	-.00391
	2.000	8.00000	-5.00000	.29742	.09042	-.03575	.04150	.05873	.03095	-.01916	-.00724
	4.000	8.00000	-5.00000	.29525	.20762	-.07936	.04102	.05795	.03086	-.02727	-.01170
	GRADIENT	.00000	.00000	-.00033	.06241	-.02346	-.00028	-.00074	.00010	-.00510	-.00221

LARC UPWT 1152(1A94A) OTSAT130

(MJKB54) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30341	-.57743	.22192	.04121	.06700	.02924	.04750	.03185	
-6.000	8.00000	-5.00000	.30068	-.42682	.16434	.04158	.06562	.02911	.03548	.01895	
-4.000	8.00000	-5.00000	.30091	-.28891	.10993	.04186	.06259	.02835	.02478	.01223	
-2.000	8.00000	-5.00000	.30211	-.15400	.05704	.04198	.06059	.02822	.01580	.00537	
.000	8.00000	-5.00000	.30313	-.02649	.01041	.04151	.05884	.02809	.00568	.00088	
2.000	8.00000	-5.00000	.30176	.09141	-.03221	.04100	.05706	.02821	-.00400	-.00337	
4.000	8.00000	-5.00000	.29789	.20661	-.07585	.03976	.05643	.02855	-.00898	-.00872	
GRADIENT	00000	00000	-.00032	.06182	-.02304	-.00026	-.00079	.00002	-.00437	-.00253	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB55) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30943	-.58076	.22503	.04199	.06643	.02701	.04913	.04345	
-6.000	8.00000	-5.00000	.30665	-.42955	.16519	.04243	.06540	.02777	.04121	.03144	
-4.000	8.00000	-5.00000	.30573	-.29450	.11218	.04244	.06281	.02744	.03431	.02515	
-2.000	8.00000	-5.00000	.30604	-.15583	.05777	.04257	.06010	.02659	.02646	.01845	
.000	8.00000	-5.00000	.30676	-.02920	.01051	.04287	.05798	.02581	.01880	.01209	
2.000	8.00000	-5.00000	.30495	.09231	-.03574	.04246	.05670	.02592	.01167	.00468	
4.000	8.00000	-5.00000	.30269	.20379	-.07730	.04168	.05515	.02611	.00617	-.00182	
GRADIENT	00000	00000	-.00036	.06224	-.02362	-.00008	-.00094	-.00017	-.00365	-.00338	

LARC UPWT 1152(IA94A) OTSAT130

(MJK856) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30782	-.58400	.22513	.04387	.06581	.02545	.05110	.04900	
-6.000	8.00000	-5.00000	.30709	-.43575	.16588	.04404	.06536	.02618	.04292	.03728	
-4.000	8.00000	-5.00000	.30621	-.29635	.11191	.04414	.06341	.02601	.03564	.03014	
-2.000	8.00000	-5.00000	.30622	-.15672	.05729	.04409	.06105	.02530	.02812	.02490	
.000	8.00000	-5.00000	.30750	-.03184	.00964	.04398	.05920	.02421	.02195	.01927	
2.000	8.00000	-5.00000	.30566	.08963	-.03689	.04333	.05817	.02470	.01553	.01088	
4.000	8.00000	-5.00000	.30214	.20523	-.08046	.04294	.05667	.02506	.01016	.00239	
GRADIENT	.00000	.00000	-.00044	.06247	-.02395	-.00016	-.00082	-.00013	-.00318	-.00348	

LARC UPWT 1152(IA94A) OTSAT130

(MJK857) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.29494	-.59357	.22839	.04373	.06798	.03109	.03510	.04443	
-6.000	8.00000	-10.00000	.29589	-.43972	.16530	.04342	.06589	.03181	.02244	.03567	
-4.000	8.00000	-10.00000	.29509	-.29929	.11101	.04333	.06471	.03147	.00930	.02599	
-2.000	8.00000	-10.00000	.29522	-.16210	.05915	.04353	.06269	.03124	-.00163	.01869	
.000	8.00000	-10.00000	.29455	-.03426	.01189	.04391	.06081	.03172	-.01296	.01448	
2.000	8.00000	-10.00000	.29497	.08697	-.03376	.04311	.05969	.03195	-.02305	.01098	
4.000	8.00000	-10.00000	.29242	.20529	-.07754	.04204	.05894	.03178	-.03183	.00617	
GRADIENT	.00000	.00000	-.00028	.06291	-.02350	-.00015	-.00073	.00007	-.00518	-.00237	

LARC UPWT 1152(1A94A) OTSAT130

(MJK858) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
1.550	-8.000	8.00000	-10.00000	.29824	-.59177	.23083	.04256	.06604	.03173	.03820	.04639
	-6.000	8.00000	-10.00000	.29803	-.43966	.17093	.04283	.06543	.03104	.02544	.03726
	-4.000	8.00000	-10.00000	.29820	-.30167	.11674	.04295	.06387	.03018	.01314	.02715
	-2.000	8.00000	-10.00000	.29717	-.16420	.06328	.04295	.06160	.03024	.00100	.02019
	.000	8.00000	-10.00000	.29698	-.03435	.01478	.04260	.05948	.03086	-.00963	.01590
	2.000	8.00000	-10.00000	.29591	.08593	-.03060	.04167	.05900	.03109	-.01992	.01180
	4.000	8.00000	-10.00000	.29410	.20333	-.07469	.04115	.05822	.03092	-.02792	.00725
	GRADIENT	.00000	.00000	-.00047	.06301	-.02384	-.00024	-.00070	.00012	-.00515	-.00241

LARC UPWT 1152(1A94A) OTSAT130

(MJK859) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH =	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
1.550	-8.000	8.00000	-10.00000	.30235	-.58096	.22697	.04104	.06698	.02921	.04834	.05549
	-6.000	8.00000	-10.00000	.29957	-.42930	.16868	.04146	.06565	.02908	.03559	.04108
	-4.000	8.00000	-10.00000	.29863	-.29212	.11402	.04182	.06321	.02859	.02407	.03243
	-2.000	8.00000	-10.00000	.30056	-.15470	.06055	.04197	.06074	.02830	.01469	.02470
	.000	8.00000	-10.00000	.30158	-.02614	.01320	.04157	.05904	.02815	.00482	.02020
	2.000	8.00000	-10.00000	.30051	.08897	-.02866	.04107	.05731	.02830	-.00488	.01575
	4.000	8.00000	-10.00000	.29614	.20474	-.07249	.03993	.05671	.02859	-.01021	.00975
	GRADIENT	.00000	.00000	-.00025	.06187	-.02311	-.00023	-.00082	-.00000	-.00441	-.00272

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TABULATED SOURCE DATA - 1A94A.

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LARC UPWT 1152(1A94A) OTSAT130

(MJKB60) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4 000 ELV-LI = 8.000
 ELV-LO = -10 000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8 00000	-10 00000	30960	-.58842	.23267	.04180	.06629	.02701	.05053	.06683
-6 000	8 00000	-10 00000	30648	-.43830	.17269	.04226	.06531	.02785	.04225	.05467
-4 000	8 00000	-10.00000	30502	-.29871	.11791	.04242	.06305	.02751	.03473	.04628
-2 000	8 00000	-10.00000	30589	-.16492	.06494	.04254	.06014	.02665	.02678	.03871
.000	8 00000	-10.00000	30643	-.03508	.01609	.04290	.05827	.02592	.01842	.03072
2 000	8 00000	-10.00000	30403	.08632	-.03044	.04261	.05711	.02598	.01103	.02206
4 000	8.00000	-10.00000	30180	.19903	-.07253	.04185	.05538	.02618	.00435	.01492
GRADIENT	00000	00000	- 00042	06234	- 02381	-.00005	-.00092	-.00017	-.00383	-.00397

LARC UPWT 1152(1A94A) OTSAT130

(MJKB61) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10 000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8 00000	-10 00000	.30758	-.59295	.23341	.04376	.06632	.02551	.05250	.07228
-6.000	8 00000	-10 00000	30688	-.44433	.17377	.04395	.06540	.02629	.04356	.06087
-4.000	8 00000	-10 00000	.30532	-.30365	.11928	.04412	.06364	.02615	.03577	.05281
-2 000	8 00000	-10 00000	30559	-.16665	.06534	.04415	.06132	.02546	.02800	.04586
.000	8.00000	-10 00000	30682	-.03858	.01611	.04414	.05943	.02433	.02133	.03903
2.000	8 00000	-10 00000	30456	.08204	-.03100	.04359	.05852	.02488	.01462	.02863
4.000	8.00000	-10 00000	30090	.20116	-.07580	.04318	.05718	.02517	.00922	.01840
GRADIENT	00000	00000	- 00049	06292	- 02433	-.00012	-.00079	-.00013	-.00332	- 00430