NASA
National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
Houston, Texas 77058

DMS-DR-2353
NASA-CR 160,827

SUBSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.030-SCALE SPACE SHUTTLE ORBITER WITH TAILCONE (MODEL 201) TESTED IN THE NASA/ARC 11-FOOT TRANSONIC WIND TUNNEL

(LA89)

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

285-96-0002
D1003328 #9

Data Management Services

HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

May 1981

DMS-DR-2353
NASA-CR 160,827

SUBSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.030-SCALE SPACE SHUTTLE ORBITER WITH TAILCONE (MODEL 201) TESTED IN THE NASA/ARC 11-FOOT TRANSONIC WIND TUNNEL

(LA89)

Prepared under NASA Contract Number NAS9-16283

by

Data Management Services
Chrysler Huntsville Electronics Division/
Slidell Engineering Office
New Orleans, Louisiana 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	ARC 11-213-1
NASA Series Number:	LA89
Model Number:	201-0
Test Dates:	October 4-18, 1976
Occupancy Hours:	208

FACILITY COORDINATOR:

J. J. Brownson
Mail Stop 227-5
Ames Research Center
Moffett Field, CA 94035
Phone: (415) 965-5647

PROJECT ENGINEERS:

G. M. Ware, B. Spencer, Jr.
Mail Stop 365
Langley Research Center
Hampton, VA 23665
Phone: (804) 827-3911

J. Underwood, P. Romere, EX13
Bldg. 13
Johnson Space Center
Houston, TX 77058
Phone: (713) 483-2862

DATA MANAGEMENT SERVICES:

Prepared by: Liaison: J. W. Ball, J. E. Vaughn
Operations: G. G. McDonald, B. J. Burst

Reviewed by: G. W. Klug

Approved: _____
J. L. Glynn, Manager
Data Operations

Concurrence: _____
N. D. Kemp, Manager
Data Management Services

Chrysler Huntsville Electronics Division/Slidell Engineering Office assumes no responsibility for the data presented other than display characteristics.

SUBSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.030-SCALE SPACE SHUTTLE ORBITER WITH TAILCONE (MODEL 201) TESTED IN THE NASA/ARC 11-FOOT TRANSONIC WIND TUNNEL (LA89)

ABSTRACT

The investigation was conducted in the NASA/Ames Research Center 11-Foot Transonic Wind Tunnel from October 4, 1976 to October 18, 1976. The model was a LaRC-built 0.030-scale SSV orbiter model with remote independently operated left and right elevon surfaces, bodyflap and rudder. Most of the tests were conducted with the approach and landing test (ALT)/ferry tailcone in place on the base of the model.

The objectives of the test were to obtain aerodynamic stability and control data to support ALT and to verify previous tailcone-on test data. Particular attention was directed to bodyflap effects on directional stability and mutual interference effects of controls.

Six component aerodynamic force and moment and control position data were recorded for each test condition. The angle of attack was varied from -2^{o} to 20^{o} at angles of sideslip of 0^{o} and 2^{o}. Additional tests were made over an angle of sideslip range from -6^{o} to 8^{o} at selected angles of attack. Test Mach numbers were 0.40, 0.50, 0.60, 0.65 and 0.70 at Reynolds numbers from 2.5 to 6.5 x 10^{6} per foot.

(THIS PAGE INTENTIONALLY LEFT BLANK)

TABLE OF CONTENTS

	Page
ABSTRACT	iii
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	3
INTRODUCTION	9
NOMENCLATURE	10
CONFIGURATIONS INVESTIGATED	13
TEST FACILITY DESCRIPTION	15
TEST CONDITIONS	16
DATA REDUCTION	17
TABLES	
I. TEST CONDITIONS	18
II. DATA SET/RUN NUMBER COLLATION SUMMARY	19
FIGURES	
MODEL	33
DATA	40
APPENDIX	
TABULATED SOURCE DATA	

INDEX OF MODEL FIGURES

Figure	Title	Page
1.	Axis Systems	33
2.	Model Sketches	
	a. Tailcone Cut-off and Sting Arrangement	34
	b. Position of Transition Grit used in Investigation	35
3.	Model Photographs	
	a. Side View of Model 201-Ø in ALT Configuration	36
	b. Three-Quarter Front View of Model 201-Ø Installed in ARC 11-Foot Tunnel	37
	c. Three-Quarter Rear View of Model 201-Ø Installed in ARC 11-Foot Tunnel	38
	d. Internal Arrangement	39

INDEX OF DATA FIGURES

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
4	TRIMMED ELEVON DEFLECTION, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES	A	BDFLAP	1-1
5	TRIMMED LIFT COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES	B	BDFLAP	2-2
6	TRIMMED DRAG COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES	C	BDFLAP	3-3
7	TRIMMED LIFT-TO-DRAG RATIO, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES	D	BDFLAP	4-4
8	TRIMMED SIDE FORCE COEFFICIENT, M = 0.65, SPEED-BRAKE AT 11.5 DEGREES (6 DEGREES ANGLE OF ATTACK)	E	BDFLAP	5-5
9	TRIMMED SIDE FORCE COEFFICIENT, M = 0.65, SPEED-BRAKE AT 11.5 DEGREES (12 DEGREES ANGLE OF ATTACK)	E	BDFLAP	6-6
10	TRIMMED YAWING MOMENT COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES (6 DEGREES ANGLE OF ATTACK)	F	BDFLAP	7-7
11	TRIMMED YAWING MOMENT COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES (12 DEGREES ANGLE OF ATTACK)	F	BDFLAP	8-8
12	TRIMMED ROLLING MOMENT COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES (6 DEGREES ANGLE OF ATTACK)	G	BDFLAP	9-9

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
13	TRIMMED ROLLING MOMENT COEFFICIENT, M = 0.65, SPEEDBRAKE AT 11.5 DEGREES (12 DEGREES ANGLE OF ATTACK)	G	BDFLAP	10-10
14	EFFECT OF SPEEDBRAKE ON TRIMMED LIFT COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES	B	SPDBRK	11-11
15	EFFECT OF SPEEDBRAKE ON TRIMMED DRAG COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES	C	SPDBRK	12-12
16	EFFECT OF SPEEDBRAKE ON TRIMMED LIFT-TO-DRAG RATIO, M = 0.65, BODYFLAP AT -11.7 DEGREES	D	SPDBRK	13-13
17	EFFECT OF SPEEDBRAKE ON TRIMMED SIDE FORCE COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (6 DEGREES ANGLE OF ATTACK)	E	SPDBRK	14-14
18	EFFECT OF SPEEDBRAKE ON TRIMMED SIDE FORCE COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (12 DEGREES ANGLE OF ATTACK)	E	SPDBRK	15-15
19	EFFECT OF SPEEDBRAKE ON TRIMMED YAWING MOMENT COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (6 DEGREES ANGLE OF ATTACK)	F	SPDBRK	16-16
20	EFFECT OF SPEEDBRAKE ON TRIMMED YAWING MOMENT COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (12 DEGREES ANGLE OF ATTACK)	F	SPDBRK	17-17
21	EFFECT OF SPEEDBRAKE ON TRIMMED ROLLING MOMENT COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (6 DEGREES ANGLE OF ATTACK)	G	SPDBRK	18-18

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
22	EFFECT OF SPEEDBRAKE ON TRIMMED ROLLING MOMENT COEFFICIENT, M = 0.65, BODYFLAP AT -11.7 DEGREES (12 DEGREES ANGLE OF ATTACK)	G	SPDBRK	19-19
23	EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M = 0.4	E	BDFLAP	20-21
24	EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M = 0.6	E	BDFLAP	22-23
25	EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M = 0.7	E	BDFLAP	24-25
26	EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M = 0.4	F	BDFLAP	26-27
27	EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M = 0.6	F	BDFLAP	28-29
28	EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M = 0.7	F	BDFLAP	30-31
29	EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M = 0.4	G	BDFLAP	32-33
30	EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M = 0.6	G	BDFLAP	34-35
31	EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M = 0.7	G	BDFLAP	36-37

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
32	LIFT COEFFICIENT	B	MACH	38-38
33	DRAG COEFFICIENT	C	MACH	39-39
34	PITCHING MOMENT COEFFICIENT	H	MACH	40-40
35	LIFT-TO-DRAG RATIO	D	MACH	41-41
36	EFFECT OF BODYFLAP ON LIFT COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES	I	MACH	42-42
37	EFFECT OF BODYFLAP ON DRAG COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES	J	MACH	43-43
38	EFFECT OF BODYFLAP ON PITCHING MOMENT COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES	K	MACH	44-44
39	EFFECT OF BODYFLAP ON LIFT-TO-DRAG RATIO, ANGLE OF ATTACK AT 10 DEGREES	L	MACH	45-45
40	EFFECT OF REYNOLDS NUMBER ON LIFT COEFFICIENT, M = 0.6	B	RN/L	46-46
41	EFFECT OF REYNOLDS NUMBER ON DRAG COEFFICIENT, M = 0.6	C	RN/L	47-47
42	EFFECT OF REYNOLDS NUMBER ON PITCHING MOMENT COEFFICIENT, M = 0.6	H	RN/L	48-48
43	EFFECT OF REYNOLDS NUMBER ON LIFT-TO-DRAG RATIO, M = 0.6	D	RN/L	49-49

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
44	EFFECT OF SPEEDBRAKE ON DIRECTIONAL STAB ILITY, M = 0.4	F	SPDBRK	50-50
45	EFFECT OF SPEEDBRAKE ON DIRECTIONAL STABILITY, M = 0.6	F	SPDBRK	51-51
46	EFFECT OF SPEEDBRAKE ON DIRECTIONAL STABILITY, M = 0.7	F	SPDBRK	52-52
47	EFFECT OF TAILCONE ON LIFT COEFFICIENT, M = 0.4	B	CONFIG	53-53
48	EFFECT OF TAILCONE ON LIFT COEFFICIENT, M = 0.6	B	CONFIG	54-54
49	EFFECT OF TAILCONE ON LIFT COEFFICIENT, M = 0.7	B	CONFIG	55-55
50	EFFECT OF TAILCONE ON DRAG COEFFICIENT, M = 0.4	C	CONFIG	56-56
51	EFFECT OF TAILCONE ON DRAG COEFFICIENT, M = 0.6	C	CONFIG	57-57
52	EFFECT OF TAILCONE ON DRAG COEFFICIENT, M = 0.7	C	CONFIG	58-58
53	EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M = 0.4	H	CONFIG	59-59
54	EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M = 0.6	H	CONFIG	60-60
55	EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M = 0.7	H	CONFIG	61-61
56	EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M = 0.4	D	CONFIG	62-62

INDEX OF DATA FIGURES (Concluded)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	CONDITIONS VARYING	PAGES
57	EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M = 0.6	D	CONFIG	63-63
58	EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M = 0.7	D	CONFIG	64-64
59	EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M = 0.4	F	CONFIG	65-65
60	EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M = 0.6	F	CONFIG	66-66
61	EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M = 0.7	F	CONFIG	67-67

COEFFICIENT SCHEDULES:

A: δ_e vs. α

B: C_L vs. α

C: C_D vs. α

D: L/D vs. α

E: C_Y vs. β

F: C_n(BODY) vs. β

G: C_ℓ(BODY) vs. β

H: C_m vs. α

I: C_L vs. δ_{bf}

J: C_D vs. δ_{bf}

K: C_m vs. δ_{bf}

L: L/D vs. δ_{bf}

INTRODUCTION

The space shuttle orbiter can be ferried from one place to another atop a Boeing 747. In order to cut down on aerodynamic drag during this ferry operation, a large tailcone has been added to smooth the large orbiter base area. This configuration also exists during the initial shuttle Approach and Landing Tests (ALT) where the orbiter separates from the Boeing 747 carrier at altitude and makes a dead stick landing on a runway.

The aerodynamic wind tunnel investigations reported herein were conducted to evaluate the stability and control characteristics of the shuttle orbiter in this ALT configuration. Six component force and moment and control position data were obtained over a Mach number range from 0.40 to 0.70 at Reynolds numbers from 2.5×10^6 to 6.5×10^6 per foot. Model attitudes tested ranged from -2° to 20° angle of attack at sideslip angles of 0° and 2° and from -6° to 8° angle of sideslip at 6° and 12° angle of attack.

Plotted and tabulated results are presented herein. The increase in directional stability over that shown in other tests (OA174, OA175) is due to the aft end of the tailcone cut off more to accommodate the circular sting used with this LaRC model.

NOMENCLATURE

SYMBOL	MNEMONIC	DEFINITION
a		speed of sound; m/sec, ft/sec
	AILRON	aileron deflection angle, $(\delta e_L - \delta e_R)/2$, degrees
α	ALPHA	orbiter angle of attack, degrees
	ALPHA2	true angle of attack (uncorrected for sting deflection under load), degrees
δ_{bf}	BDFLAP	bodyflap deflection angle (positive with trailing edge down), degrees
β	BETA	orbiter angle of sideslip, degrees
	BETA2	true angle of sideslip (uncorrected for sting deflection under load), degrees
b	BREF	reference span, in.
C	CA	axial force coefficient
C_ℓ(BODY)	CBL	rolling moment coefficient, body axis system
C_D	CD	drag coefficient
C_L	CL	lift coefficient
C_m	CLM	pitching moment coefficient
	CPCI	pressure coefficient for tap i
C_Y	CY	side force coefficient
C_n(BODY)	CYN	yawing moment coefficient
δ_e	ELEVON	elevon deflection angle, $(\delta e_L + \delta e_R)/2$, degrees
δ_{e_L}	ELEV-L	left elevon deflection angle, $(\delta e_{L_O} + \delta e_{L_I})/2$, degrees

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
δe_{L_I}		left inboard elevon deflection angle, positive with trailing edge down, degrees
δe_{L_O}		left outboard elevon deflection angle, positive with trailing edge down, degrees
δe_R	ELEV-R	right elevon deflection angle, $(\delta e_{R_O}+\delta e_{R_I})/2$, degrees
δe_{R_I}		right inboard elevon deflection angle, positive with trailing edge down, degrees
δe_{R_O}		right outboard elevon deflection angle, positive with trailing edge down, degrees
	GRIT	= 0, no transition grit present 1, transition grit present
L/D	L/D	lift-to-drag ratio
ℓ_{REF}	LREF	reference length, in.
M	MACH	Mach number, V/a
	MRP	moment reference point
	P	tunnel static pressure, psfa
	PT	tunnel stagnation pressure, psfa
	RDA	average of the actual recorded aileron deflection angles for a single tunnel run, degrees
	RDBF	average of the actual recorded bodyflap deflection angles for a single tunnel run, degrees
	RDE	average of the actual recorded elevon deflection angles for a single tunnel run, degrees
RN/L	RN/L	unit Reynolds number; per ft.
q		dynamic pressure; lb/ft^2

NOMENCLATURE (Concluded)

SYMBOL	MNEMONIC	DEFINITION
δ_R	RUDDER	rudder deflection angle (positive with trailing edge right), degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, (positive), degrees
	SREF	reference area; ft^2
	TIME	time of data acquisition; recorded as XXYY.00000 where XX is hours and YY is minutes, 24 hour clock
	TF	tunnel temperature, ^oF
	TTF	tunnel stagnation temperature, ^oF
V		velocity; m/sec, ft/sec
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

CONFIGURATIONS INVESTIGATED

The test model (Model 201-Ø) was a 0.030-scale representation of the OV-101 ALT Configuration with tailcone. The tailcone was cut-off at full-scale station 1776.6 (MS 53.30) to allow sting-mounting of the model. A sketch showing the model and sting arrangement is presented as figure 2(a). The elevons, bodyflap, and rudder were driven by internally mounted electric motors. The position of the controls was determined by high resolution potentiometers mounted on the pivot axis (hinge line) of each control, thus giving the true position of the surface at all times. The accuracy of the control position is the read-out accuracy of the potentiometer, which was determined to be within 0.20 degrees. Model photographs are shown in figure 3.

The model configuration is summarized as follows:

Orbiter with tailcone on-140A/B = B_{70} C_9 E_{44} F_9 R_5 $TC_{23}V_8$ W_{116} AT_{132}

Orbiter with tailcone off-140A/B = B_{70} C_9 E_{44} F_o M_{16} N_{24} N_{28} R_5 V_8 W_{116} AT_{132}

Component	Definition
AT_{132}	Aft attach structure per Rockwell Lines V510-560101 (4/2/76 Revision)
B_{70}	Fuselage per Rockwell Lines VL70-000134B, -000200, -000205, -006089, -000145, -000140A, -000140B (Model drawing SS-A00147, release 12)
C_9	Canopy per Rockwell Lines VL70-000143A (Model drawing SS-A00147, release 12)

CONFIGURATIONS INVESTIGATED (Concluded)

Component	Definition
E_{44}	Slotted version of E_{26} elevons (drawing not available)
F_9	Bodyflap per Rockwell Lines VL70-000140B and VL70-000200
M_{16}	OMS/RCS pods per Rockwell Lines VL70-008401 and VL70-008410
N_{24}	MPS Nozzles per Rockwell Lines VL70-005030A, VL70-00140A (Model drawing SS-A00147, release 12)
N_{28}	OMS Engine Nozzles per Rockwell Lines VL70-000140A (Model drawing SS-A00106, release 5)
R_5	Rudder per Rockwell Lines VL70-000146B, VL70-000095
TC_{23}	Tailcone per Rockwell Lines VL70-30-330-02, (Model drawing SS-A01572)
V_8	Vertical Tail per Rockwell Lines VL70-000140C and VL70-000146B
W_{116}	Wing per Rockwell Lines VL70-000140A and VL70-000200

TEST FACILITY DESCRIPTION

The Ames Research Center Unitary Plan Wind Tunnel 11-foot transonic test circuit is a closed-circuit, single return, air-medium, continuous flow, variable-density tunnel. The 11-foot by 11-foot by 22-foot long test section is slotted to permit transonic testing. The nozzle has adjustable sidewalls. The tunnel air is driven by a 3-stage axial flow compressor powered by four wound-rotor induction motors.

The tunnel is capable of attaining Mach numbers from 0.4 to 1.4 at Reynolds numbers from below 1.7×10^6/ft to approximately 9.4×10^6/ft.

Shadowgraph and Schlieren photographic equipment are available, and pressure transducer instrumentation is provided.

Tunnel operating temperature is 580°R. Extended high Reynolds number runs are restricted by power availability.

TEST CONDITIONS

The tunnel conditions existing during the test are summarized in table I and the configurations tested in table II. The model was sting supported and the aerodynamic forces and moments measured by an internally mounted six component strain gage balance. In an attempt to insure turbulent flow over the model, strips of carborundum grit were applied to the wing, vertical tail, OMS pods, and nose as shown in figure 2(b). Model angle of attack was varied from about -2° to 20° for angles of sideslip of 0° and 2°. Sideslip angles were varied from -6° to 8° at nominal angles of attack of 6° and 12°. The elevons were tested up to $\pm 15^{\circ}$, the bodyflap from -11.7° to 22.5°, and the speedbrake from 0° to 15°.

Angles of attack and sideslip have been corrected for the effects of sting deflection under load.

DATA REDUCTION

LaRC 847 six-component strain gage balance was used to measure model forces and moments. All final data were presented along a set of body and stability axes (figure 1) through the nominal center of gravity located at F. S. 1076.7 and FRL 375.0. Drag data presented represent gross drag in that no corrections to free-stream conditions in the base regions have been made. Model data were converted to standard NASA coefficients using the following constants:

Reference Area	S_{ref} = 2.421 ft.^{2}
Reference Length	ℓ_{ref} = 14.244 in.
Reference Span	b_{ref} = 28.104 in.

TABLE I

TEST : 11-FT-213-1 (LA89) DATE : 10/18/76

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.40	2.50	200	120
"	3.75	360	"
"	5.00	500	"
"	5.25	530	"
0.50	5.00	580	"
0.50	6.50	750	"
0.60	3.75	490	"
"	5.00	650	"
"	6.50	870	"
0.65	5.00	700	"
0.65	6.50	920	"
0.70	3.75	550	"
"	5.00	750	"
"	6.50	980	"

BALANCE UTILIZED: LaRC 847

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	4000 lb	± 20 lb	
SF	800 lb.	± 4 lb	
AF	500 lb	± 2.5 lb	
PM	7000 in-lb	± 35 in-lb	
RM	2000 in-lb	± 10 in-lb	
YM	2000 in-lb	± 10 in-lb	

COMMENTS:

TABLE II

TEST : LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	δ_e	δ_{SB}	δ_{BF}	RN/L	TRANS CRIT	NO. OF RUNS	MACH NUMBERS .65	TEST RUN NUMBERS
*2E002	ORB W/ TAILCONE	A	0	TRIM	15	-11.7	6.5	NONE		2	
003		A	2							3	
004		6	B							4	
005		12	B							5	
006		A	0			-6.0				6	
007		A	2							7	
008		6	B							8	
009		12	B							9	
010		A	0			0.0				10	
011		A	2							11	
012		6	B							12	
013		12	B							13	
014		A	0			6.0				14	
015		A	2							15	
016		6	B							16	
017		12	B							17	
018		A	0			12.0				18	
019		A	2							19	

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

α OR β SCHEDULES

COEFFICIENTS

A) α = -2, 0, 2, 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 20

B) β = -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8

IDVAR (1) IDVAR (2) NDV

F) δ_{BF} = -11.7, -6, -4, -2, 0, 8, 16.3, 22.5

E) δ_e = ±15, ±10, ±7.5, ±5, ±4, ±2, 0

* = { R , BETA, CN, CA, CL, CD, L/D, CLM, CY, CBL, CYN
S , ELEVON, AILRON, BDFLAP, RUDDER, ELEV-L, ELEV-R, ALPHA2, BETA2#, RN/L, TIME
T , PT, P, TTF, TF, CPC1, CPC2, CPC3, CPC4, CPC5, CPC6

D/S's 002 - 021 ARE NOT PRESENTED; DATA ARE NO GOOD DUE TO FOULING.

- BETA2 DATA ARE SUSPECT

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Se	S_{SB}	S_{BF}			RN/L		TRANS GRIT			NO. OF RUNS	MACH NUMBERS 0.65				TEST RUN NUMBERS
*2E 020	ORB W/ TAILCONE	6	B	TRIM	15	12.0			6.5		NO				20				
021	↓	12	B	↓	↓	↓			↓		↓				21				
*2E 022	ORB W/ TAILCONE	A	0	0	11.5	-11.7			6.5		NO				22				
023		A	-2	0											23				
024		A	0	TRIM											24				
025		A	2												25				
026		6	B												26				
027		12	B			↓									27				
028		A	0			-6.0									28				
029		A	2												29				
030		6	B												30				
031		12	B			↓									31				
032		A	0			0.0									32				
033		A	2												33				
034		6	B												34				
035		12	B			↓									35				
036	↓	A	0	↓	↓	6.0			↓		↓				36				

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

COEFFICENTS

α OR β SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE II (Continued)

TEST: LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Sc	Ssb	Sbf	RNL	TRANS GRIT	NO. OF RUNS	MACH NUMBERS 0.65	TEST RUN NUMBERS
*2E 037	ORB W/ TAILCONE	A	2	TRM	11.5	6.0	6.5	NO		37	
038		6	B							38	
039		12	B			↓				39	
040		A	0			12.0				40	
041		A	2							41	
042		6	B							42	
043		12	B	↓		↓				43	
044		6	0	0		F				44	
045		12	0	0		F				45	
046		6	0	TRM		F				46	
↓ 047	↓	12	0	TRM	↓	F	↓	↓		47	

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

α OR β SCHEDULES — COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

TABLE II (Continued)

TEST : LAST (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Se	S_{SB}	S_{BF}	RN/L	TRANSART	NO. OF RUNS	MACH NUMBERS 0.65	TEST RUN NUMBERS
*2E 048	ORB W/ TAILCONE (REPEAT)	A	0	TRIM	15	-11.7	6.5	NO		48	
049		A	2							49	
050		6	B							50	
051		12	B			↓				51	
052		A	0			-6.0				52	
053		A	2							53	
054		6	B							54	
055		12	B			↓				55	
056		A	0			0.0				56	
057		A	2							57	
058		6	B							58	
059		12	B			↓				59	
060		A	0			6.0				60	
061		A	2							61	
062		6	B							62	
063		12	B			↓				63	
064		A	0			12.0				64	
065	↓	A	2	↓	↓	↓	↓	↓		65	

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

COEFFICIENTS — IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE :

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	S_{SB}	S_{BF}	$R_{N/L}$	TRANS & RUT	NO. OF RUNS	MACH NUMBERS 0.65	TEST RUN NUMBERS
*2E 066	ORB W/TAILCONE (REPEAT)	6	B	TRIM	15	12.0	6.5	NO		66	
067	↓	12	B	↓	↓	↓	↓	↓		67	
*2E 068	ORB W/TAILCONE	A	0	TRIM	7.5	-11.7	6.5	NO		068	
069		A	2							069	
070		6	B							070	
071		12	B			↓				071	
072		A	0			-6.0				072	
073		A	2							073	
074		6	B							074	
075		12	B			↓				075	
076		A	0			0.0				076	
077		A	2							077	
078		6	B							078	
079		12	B			↓				079	
080		A	0			6.0				080	
081		A	2							081	
082	↓	6	B	↓	↓	↓	↓	↓		082	

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

α OR β SCHEDULES — COEFFICENTS — IDVAR (1) — IDVAR (2) — NDV

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES Se	SSB	SBF			RN/L		TRANS GRIT			NO. OF RUNS	MACH NUMBERS 0.65	0.4			TEST RUN NUMBERS
*2E 083	ORB W/TAILCONE	12	B	TRIM	7.5	6.0			6.5		NO				083				
084		A	0			12.0									084				
085		A	2												085				
086		6	B												086				
087		12	B												087				
088		A	0						5.0							88			
089		A	2													89			
090		0	B			-11.7										90			

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

α OR β SCHEDULES — COEFFICENTS — IDVAR (1) IDVAR (2) NDV

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	δ_e	S_{SB}	S_{BF}	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
*2E 091	ORB W/ TAILCONE	5	B	0	0	-11.7	5.0	NONE			91		
092											92		
093											93		
094													94
095													95
096													96
097		A	0								97		
098		A	2								98		
099		0	B								99		
100		10	B								100		
101		12	B			↓					101		
102		A	0			0					102		
103		A	0			16.3					103		
104		A	0			22.5					104		
105		10	B			22.5					105		
106		10	B			16.3					106		
107		10	B			0	↓				107		
108	↓	5	B	↓	↓	-11.7	5.25	↓	108				

TEST RUN NUMBERS

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	S_e	S_{SB}	S_{BF}	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
#2E 109	ORB W/ TAILCONE	10	B	0	0	-11.7	5.25	NONE	109				
110		12	B						110				
111		0	B						111				
112		A	2						112				
113		A	0						113				
114		5	B				5.0		114				
115		5	B			-6.0			115				
116		5	B			-4.0			116				
117		5	B			-2.0			117				
118		5	B			0.0			118				
119		5	B			8.0			119				
120		5	B			16.3			120				
121		5	B			22.5			121				
122		10	0			F			122				
123		10	2						123				
124		12	0						124				
125		12	2						125				
126		A	0			-11.7		ON	126				

TEST RUN NUMBERS

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

α OR β SCHEDULES | COEFFICIENTS | IDVAR (1) | IDVAR (2) | NDV

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	S_e	S_{SB}	S_{BF}	R_N/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
*2E 127	ORB W/ TAILCONE	A	2	0	0	-11.7	5.0	ON	127				
128		5	B						128				
129		A	0								129		
130		A	2								130		
131		5	B								131		
*2E 133	ORB W/ TAILCONE	5	B	0	0	-6.0	5.0	ON			133		
134						-4.0					134		
135						-2.0					135		
136						0.0					136		
137						8.0					137		
138						16.3					138		
139						22.5					139		
140		10	0			F					140		
141		10	2								141		
142		12	0								142		
143		12	2								143		
144		A	0			-11.7							144

TEST RUN NUMBERS

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

COEFFICIENTS

α OR β SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE II (Continued)

TEST : LA89 (ARC 11-213 -1) DATA SET/RUN NUMBER COLLATION SUMMARY DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	Se	SsB	SBF	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7	TEST RUN NUMBERS
*2E 145	ORB W/ TAILCONE	A	2	0	0	-11.7	5.0	ON	-				145	
146		0	B										146	
147		10	B										147	
148		12	B										148	
149		5	B			↓							149	
150		↓	↓			-6.0							150	
151						-4.0							151	
152						-2.0							152	
153						0.0							153	
154						8.0							154	
155						16.3							155	
156		↓	↓			22.5							156	
157		10	0			F							157	
158		10	2			↓							158	
159		12	0										159	
160		12	2			↓							160	
161		A	0			-11.7						161		
162	↓	A	2	↓	↓	-11.7	↓	↓				162		

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

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) — IDVAR (2) — NDV

TABLE II (Continued)

TEST : LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	S_e	S_{SB}	S_{BF}	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
*2E 163	ORB W/TAILCONE	5	B	0	0	-11.7	5.0	ON				163	
164		A	0							164			
165		A	2							165			
166		5	B				↓			166			
167		A	0				6.5			167			
168		A	2				↓			168			
169		A	0				5.0				169		
170		A	2				↓				170		
171		A	0				6.5					171	
172		A	2									172	
173		A	0										173
174		A	2										174
175		12	B				↓						175
176		A	0				3.75				176		
177		A	2				3.75				177		
178		12	B				3.75		178				
179		A	0				2.5				179		
180		A	2				2.5				180		

TEST RUN NUMBERS

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

COEFFICIENTS — IDVAR (1) — IDVAR (2) — NDV

α OR β SCHEDULES

TABLE II (Continued)

TEST : LA 89 (ARC 11-213-1) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	Se	S_{SB}	S_{BF}	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
*2E 181	ORB W/ TAILCONE	5	B	0	7.5	-117	2.5	ON	181				
182		5	B				3.75		182				
183		5	B				3.75				183		
184		5	B				3.75						184
185		A	-6				5.0						185
186		A	0										186
187		-2	B										187
188		0	B										188
189		10	B										189
190		12	B										190
191		A	0								191		
192		A	2								192		
193		0	B								193		
194		5	B								194		
195		10	B								195		
196		12	B								196		
197		A	0						197				
198		A	2						198				

TEST RUN NUMBERS

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

COEFFICIENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE II (Continued)

TEST: LA89 (ARC 11-213-1) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE:

DATA SET IDENTIFIER	CONFIGURATION	α	β	δe	δSB	δBF	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7
*2E199	ORB W/ TAILCONE	0	B	0	7.5	-11.7	5.0	ON	199				
200		5	B						200				
201		10	B						201				
202		12	B						202				
203		5	B				6.5				203		
204		5	B				6.5						204
205	ORB W/O TAILCONE	A	0	0	0	-11.7	5.0	ON	205				
206		5	B						206				
207		10	B						207				
208		A	0				6.5				208		
209		5	B								209		
210		10	B								210		
211		A	0			0					211		
212		10	B			0					212		
213		A	0			-11.7							213
214		10	B			-11.7							214
215		10	0			F					215		
216		10	0	-10	0	F					216		

11 ST RUN NUMBERS

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

α OR β SCHEDULES — COEFFICIENTS — IDVAR (1) — IDVAR (2) — NDV

TABLE II (Concluded)

TEST : LA89 (ARC 11-213-1) DATA SET/RUN NUMBER COLLATION SUMMARY DATE :

DATA SET IDENTIFIER	CONFIGURATION	α	β	δ_e	δ_{SB}	δ_{BF}	RN/L	TRANS GRIT	MACH NUMBERS 0.4	0.5	0.6	0.65	0.7	TEST RUN NUMBERS
*2E217	ORB W/O TAILCONE	10	0	10	0	F	6.5	ON			217			
218				E		16.3					218			
219				E		0					219			
220				E		-11.7					220			

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

α OR β SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

NASA-MSFC-MAF

Notes:

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

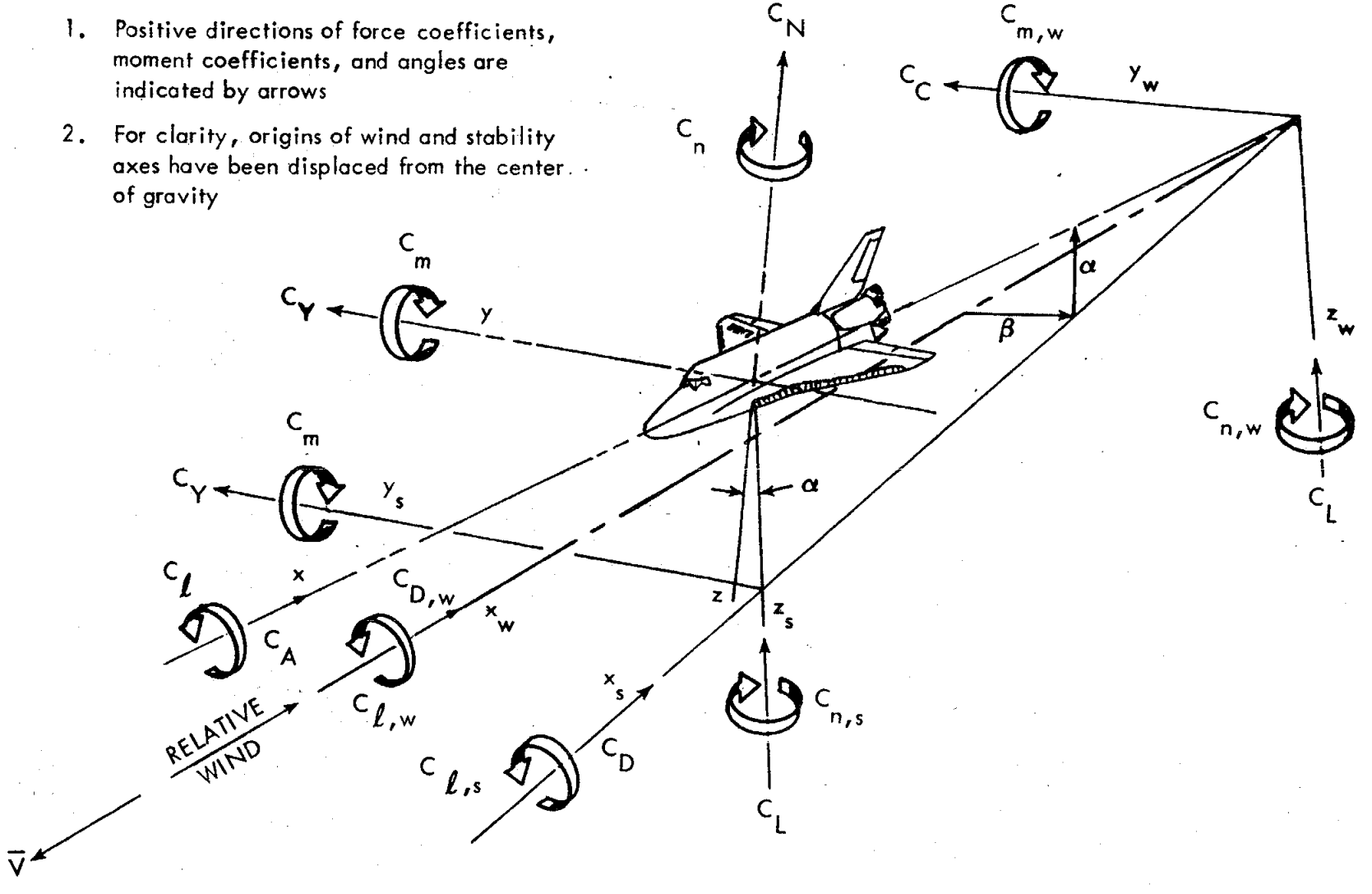

Figure 1. Axis Systems

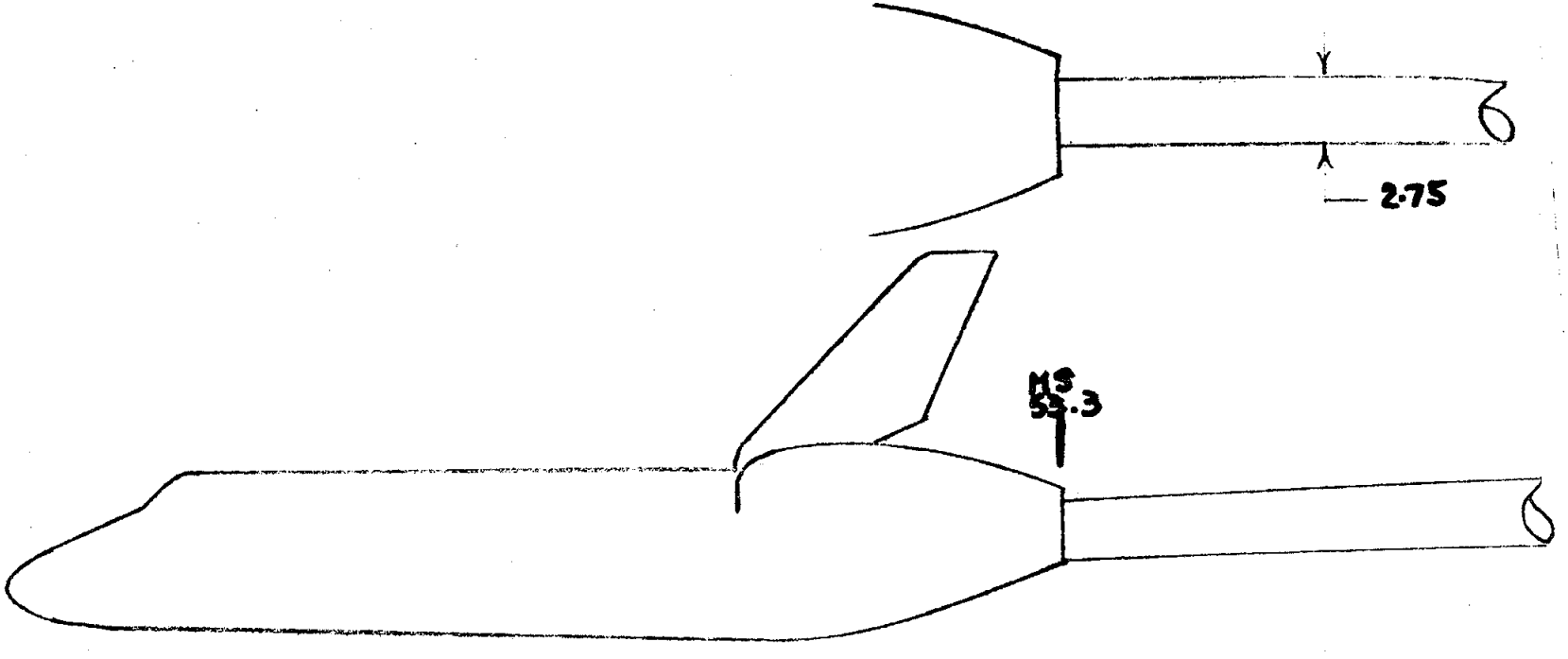

Figure 2a. Tailcone Cut-off and Sting Arrangement

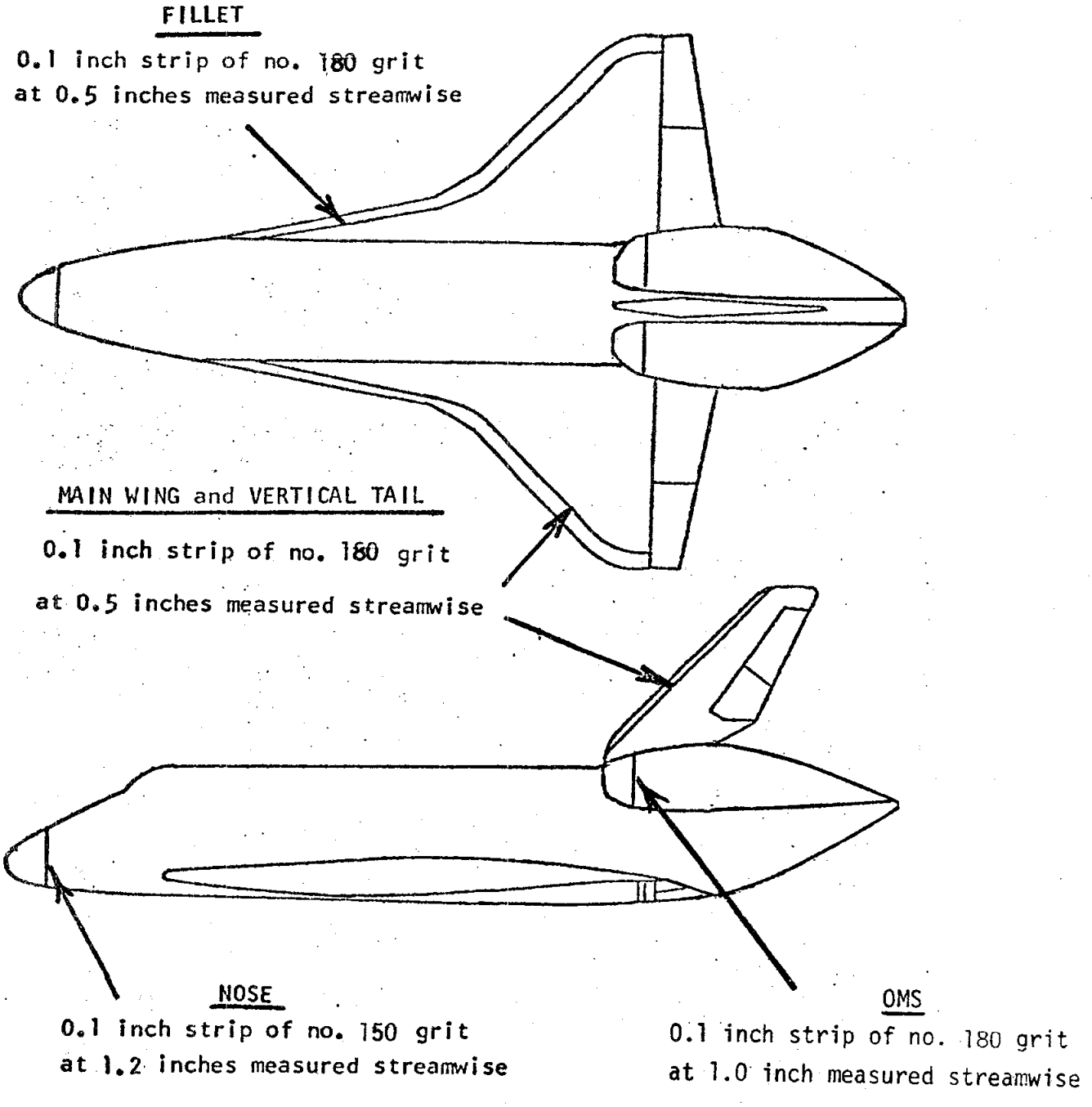

Figure 2b. Position of Transition Grit used in Investigation

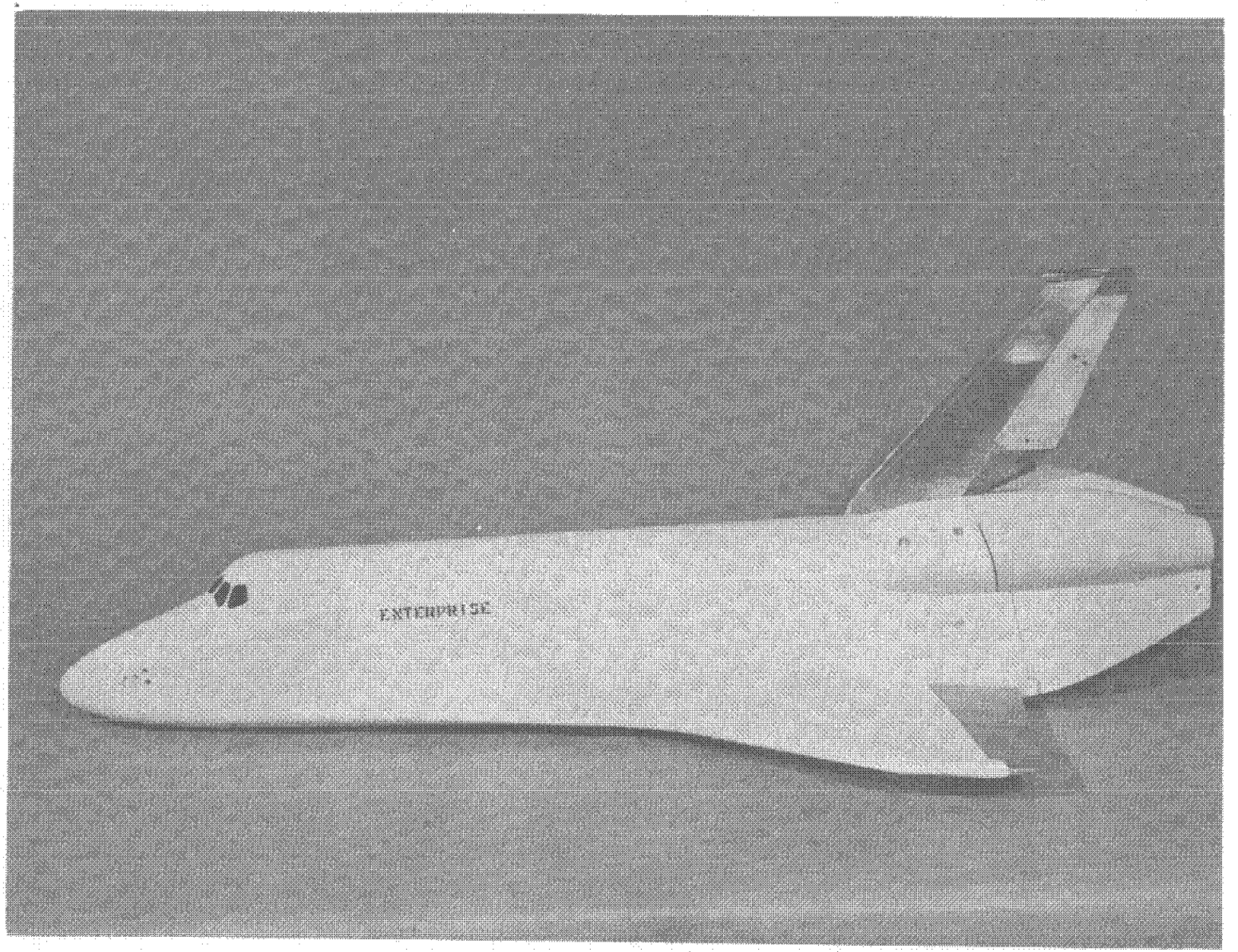

Figure 3. Model Photographs

a. Side View of Model 201-0 in ALT Configuration

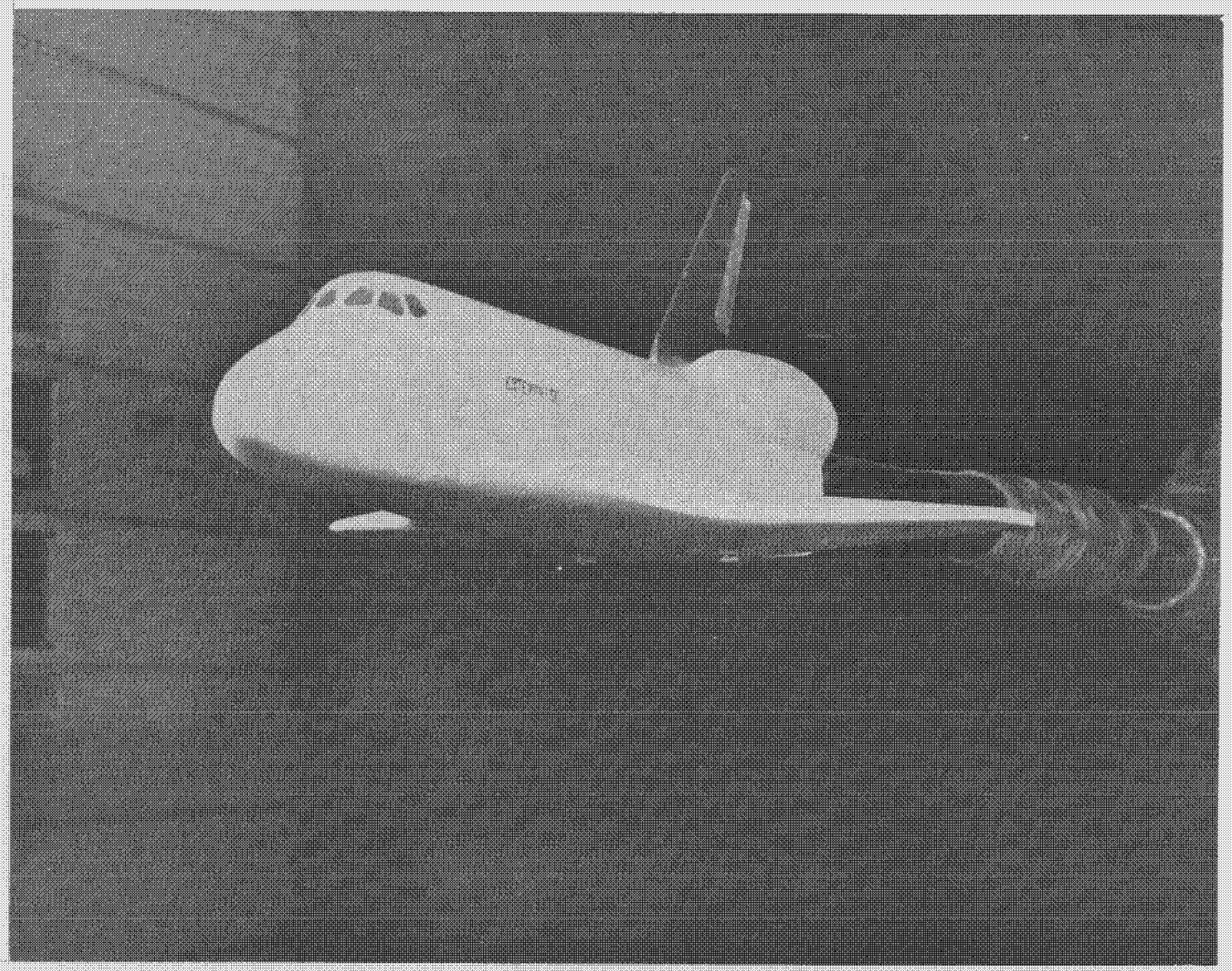

Figure 3. Continued

b. Three-Quarter Front View of Model 201-0 Installed in ARC 11 foot Tunnel

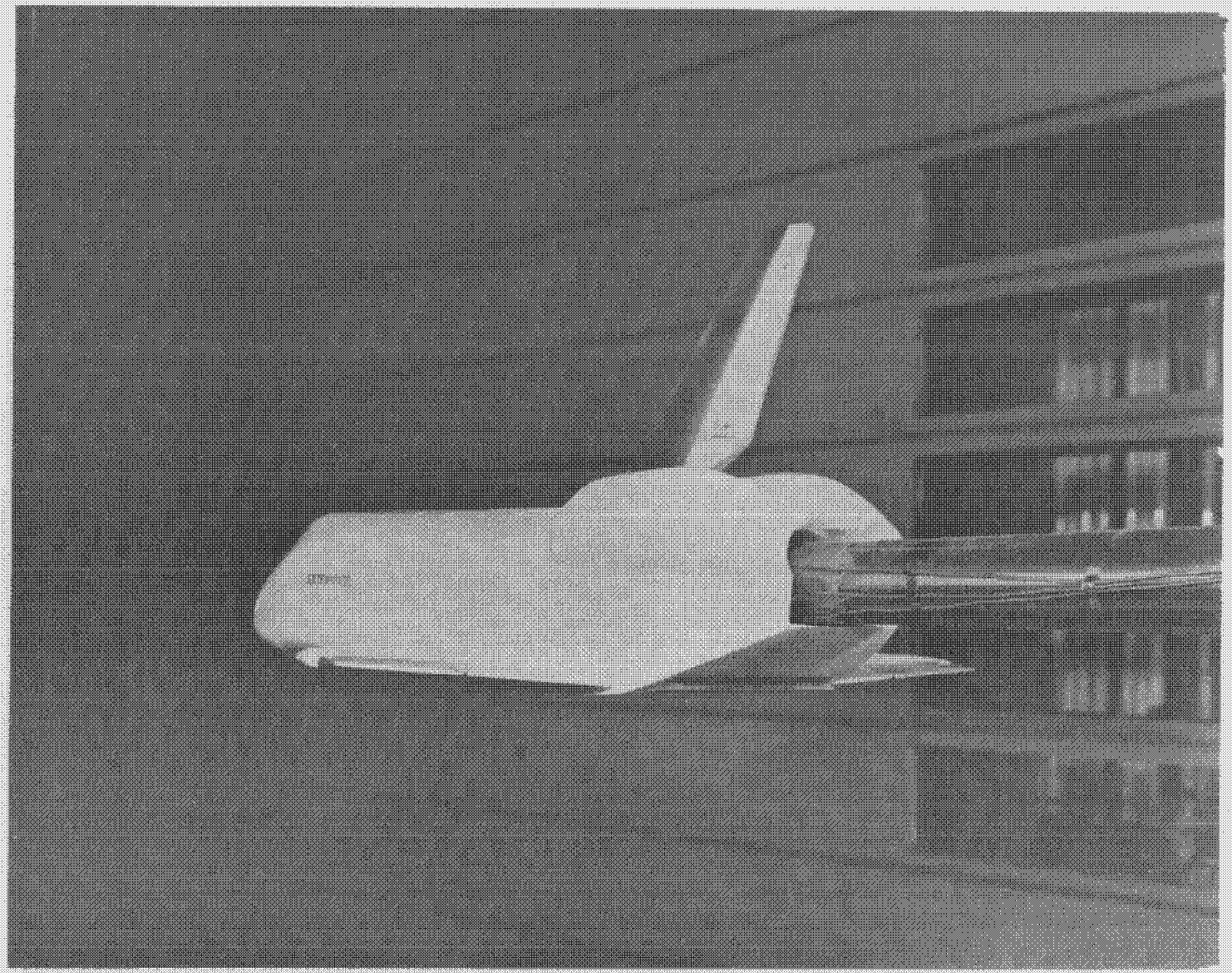

Figure 3. Continued

c. Three-Quarter Rear View of Model 201-O Installed in ARC 11 foot Tunnel

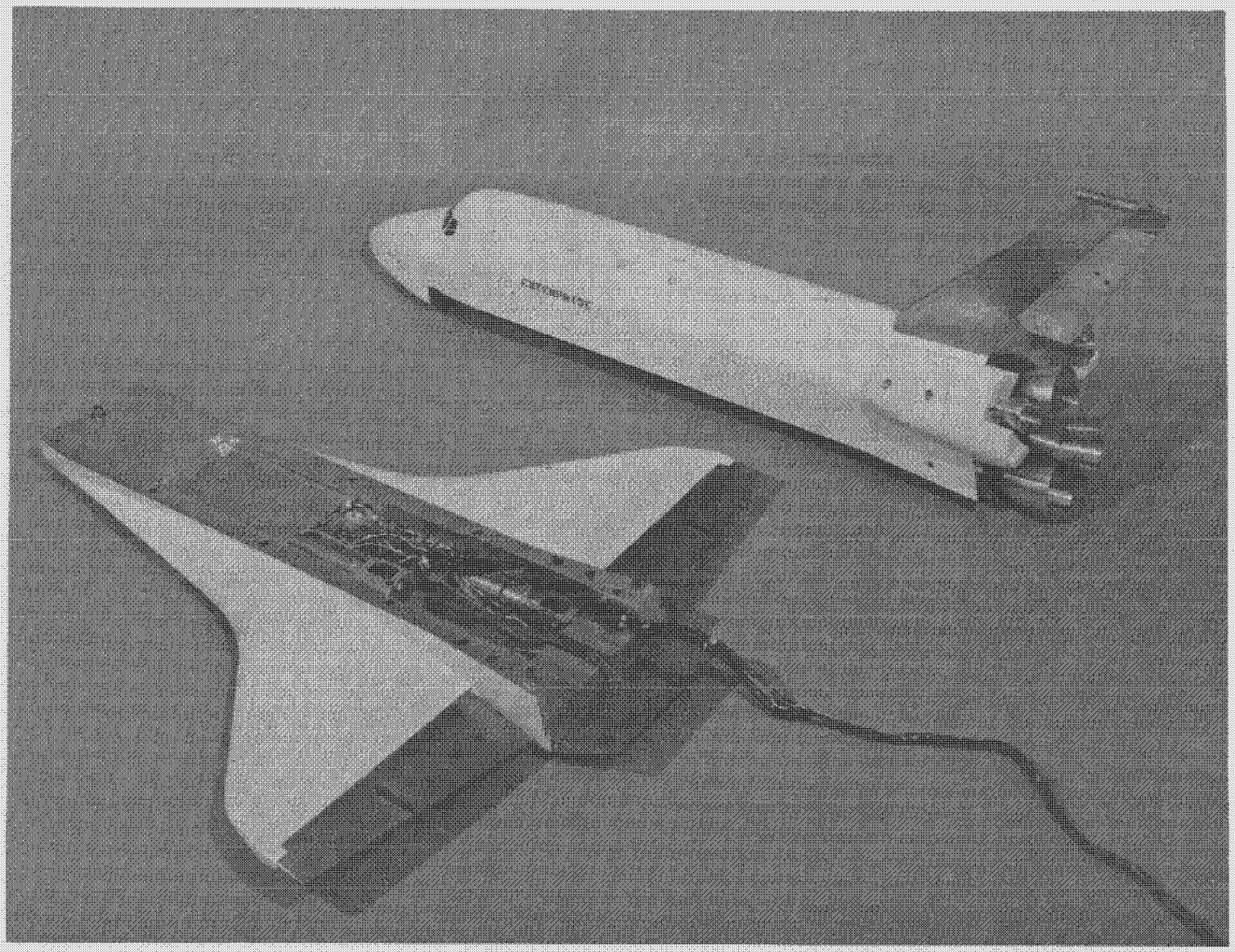

Figure 3. Concluded

d. Internal Arrangement

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
S2E024	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
S2E028	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-6.000
S2E032	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	.000
S2E036	△	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	6.000
S2E040	▷	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	12.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

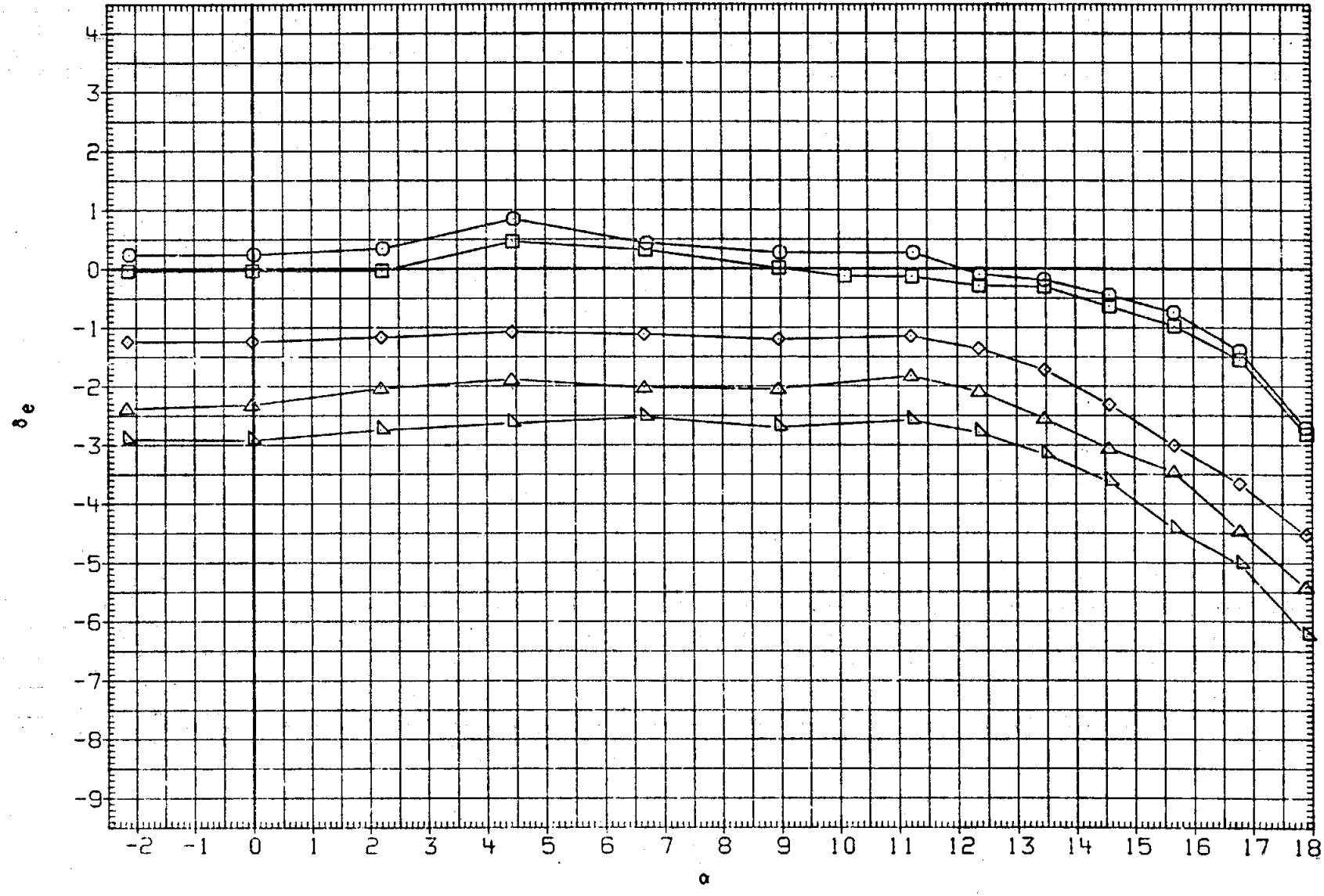

FIGURE 4. TRIMMED ELEVON DEFLECTION, M=0.65, SPEEDBRAKE AT 11.5 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 1

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E024	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E028	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-6.000
R2E032	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	.000
R2E036	△	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	6.000
R2E040	◁	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	12.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

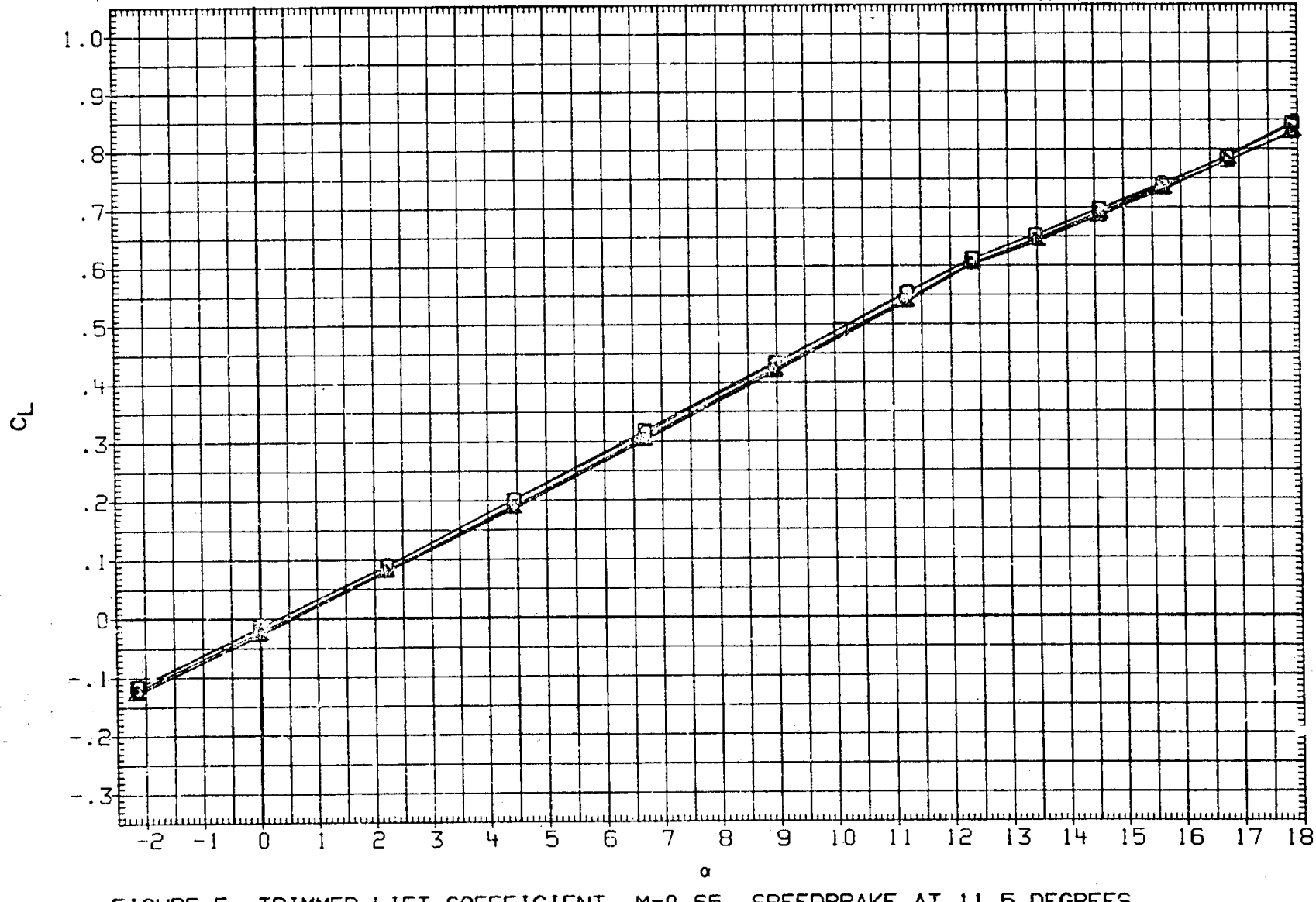

FIGURE 5. TRIMMED LIFT COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 2

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E024	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E028	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-6.000
R2E032	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	.000
R2E036	△	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	6.000
R2E040	◺	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	12.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

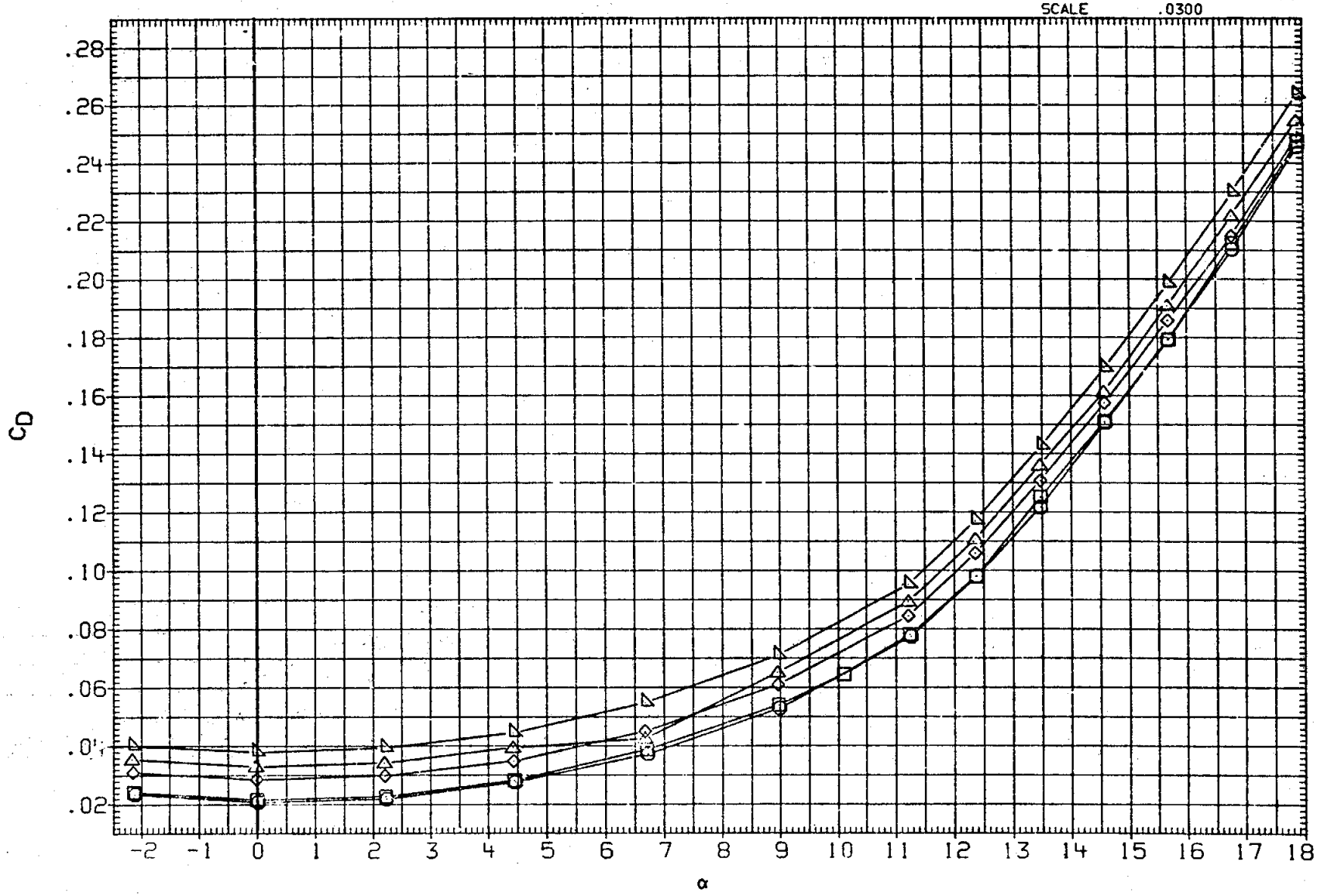

FIGURE 6. TRIMMED DRAG COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E024	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E028	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-6.000
R2E032	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	.000
R2E036	△	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	6.000
R2E040	◁	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	12.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

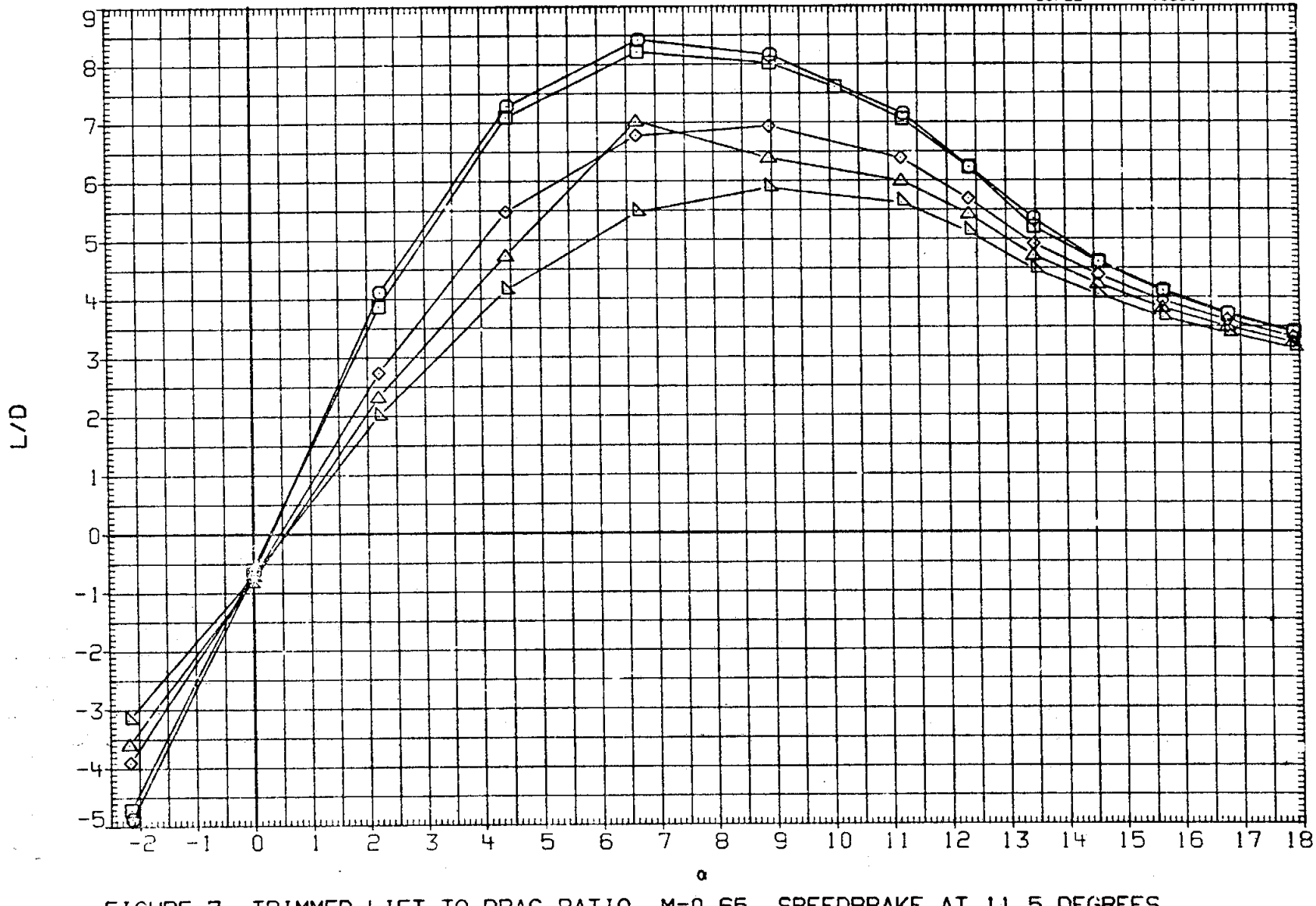

FIGURE 7. TRIMMED LIFT-TO-DRAG RATIO, M=0.65, SPEEDBRAKE AT 11.5 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 4

DATA SET	SYMBOL	CONFIGURATION
R2E026	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E030	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E034	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E038	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E042	◺	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
6.000	11.500	6.500	-11.700
6.000	11.500	6.500	-6.000
6.000	11.500	6.500	.000
6.000	11.500	6.500	6.000
6.000	11.500	6.500	12.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

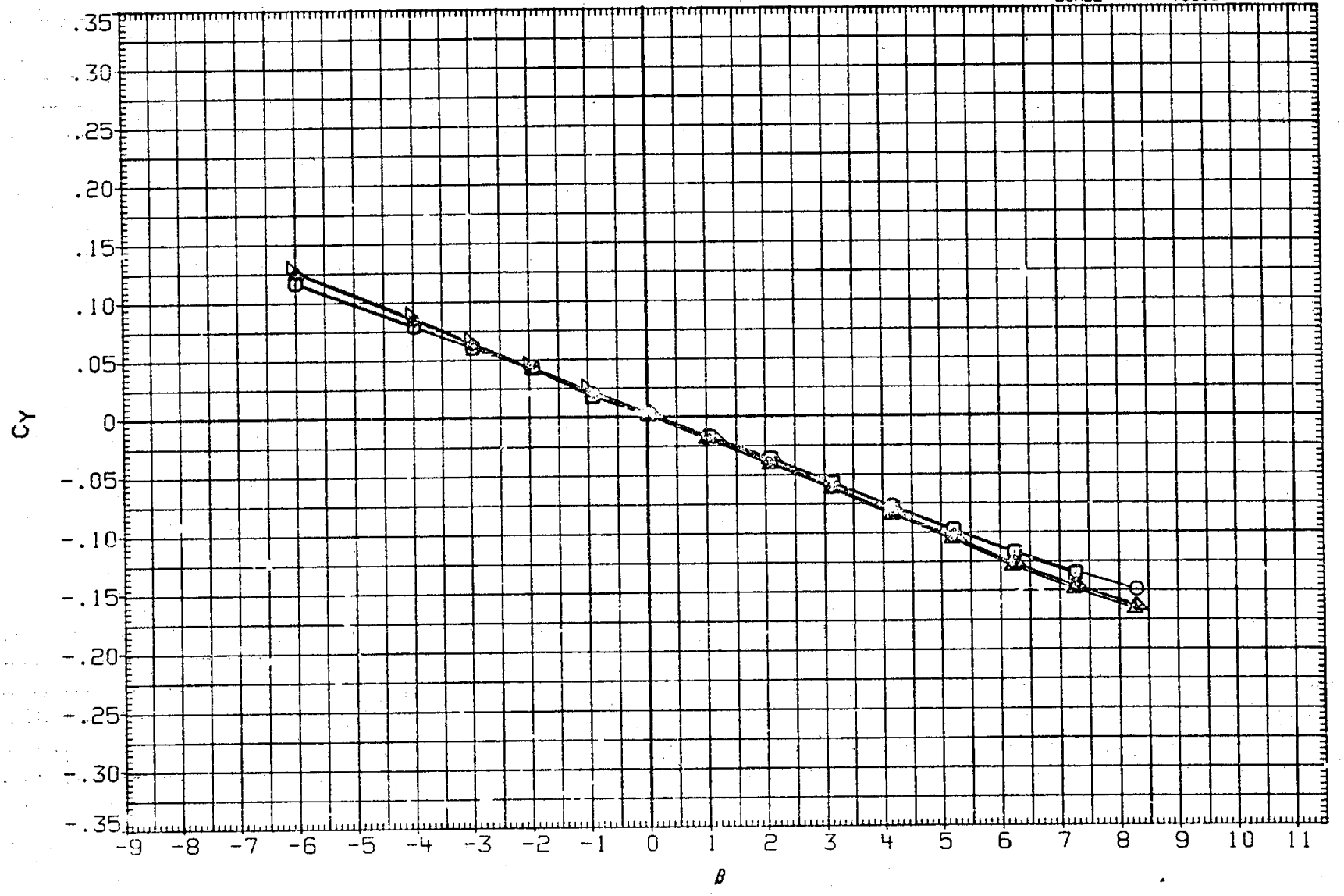

FIGURE 8. TRIMMED SIDE FORCE COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES
6 DEGREES ANGLE OF ATTACK

(A)MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E027	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E031	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E035	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E039	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E043	▽	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
12.000	11.500	6.500	-11.700
12.000	11.500	6.500	-6.000
12.000	11.500	6.500	.000
12.000	11.500	6.500	6.000
12.000	11.500	6.500	12.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	935.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

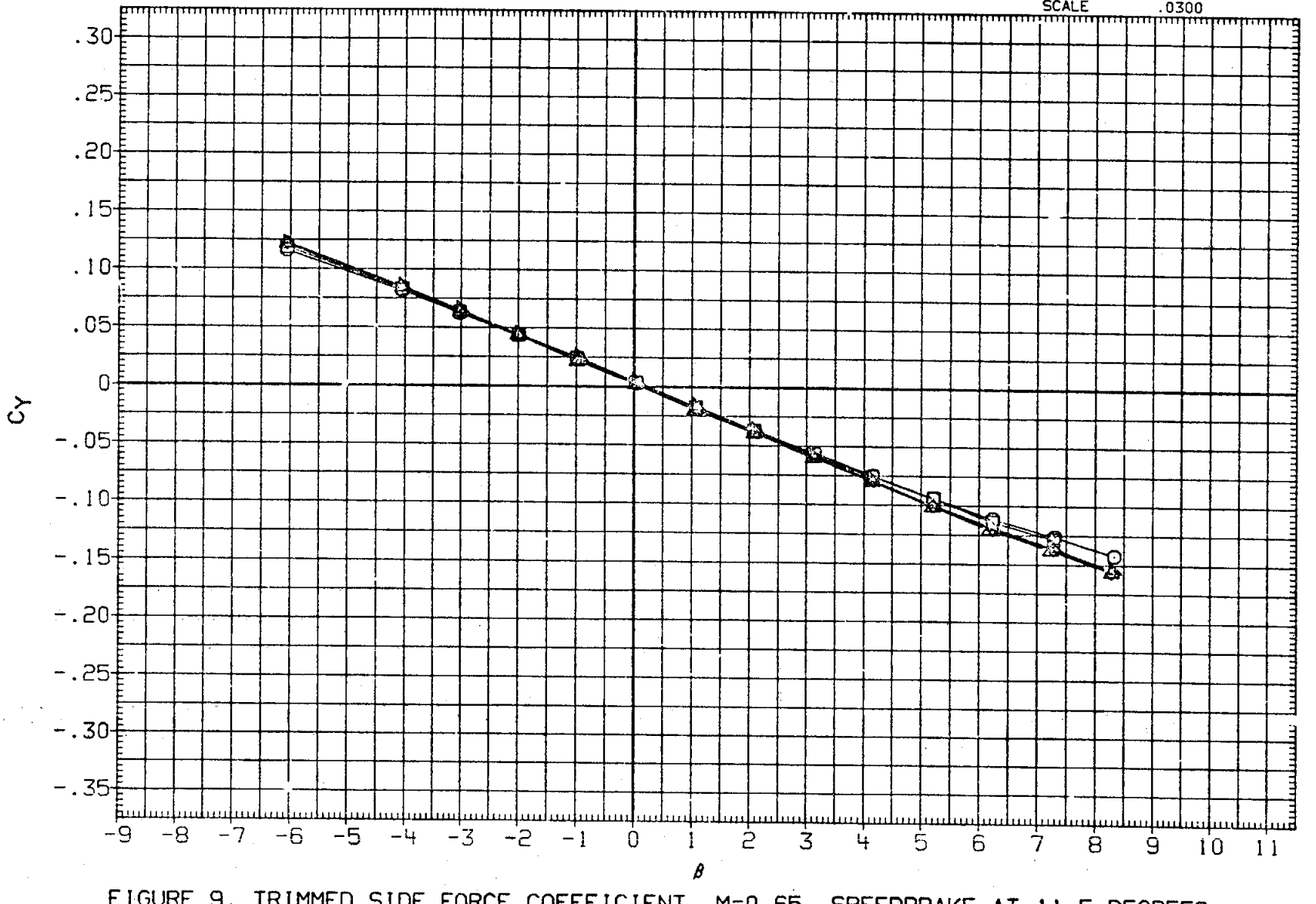

FIGURE 9. TRIMMED SIDE FORCE COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES 12 DEGREES ANGLE OF ATTACK

(A)MACH = .65

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E026	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E030	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E034	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E038	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E042	◺	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
6.000	11.500	6.500	-11.700
6.000	11.500	6.500	-6.000
6.000	11.500	6.500	.000
6.000	11.500	6.500	6.000
6.000	11.500	6.500	12.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.5800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

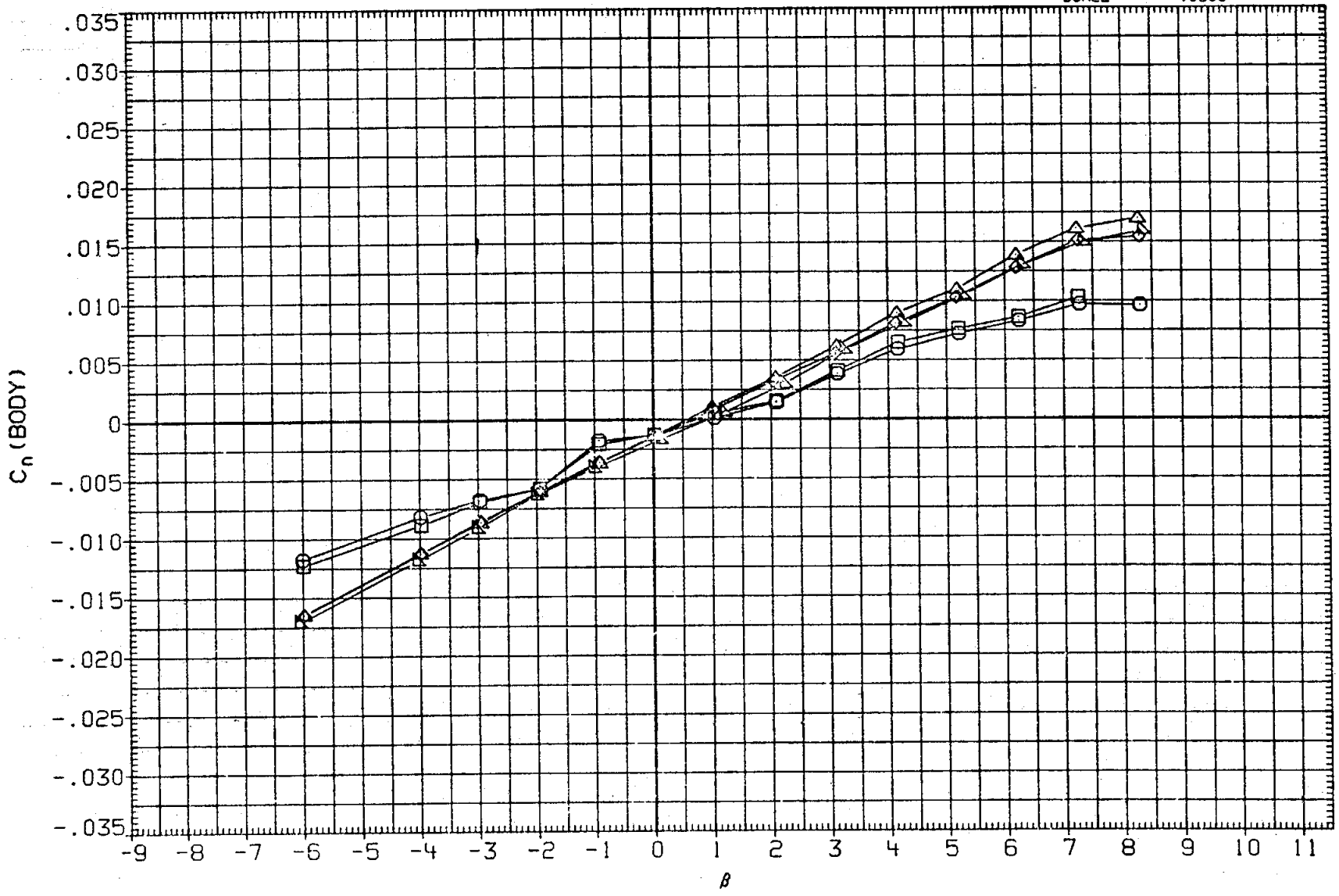

FIGURE 10. TRIMMED YAWING MOMENT COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES
6 DEGREES ANGLE OF ATTACK

(A)MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E027	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E031	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E035	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E039	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E043	◁	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
12.000	11.500	6.500	-11.700
12.000	11.500	6.500	-6.000
12.000	11.500	6.500	.000
12.000	11.500	6.500	6.000
12.000	11.500	6.500	12.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

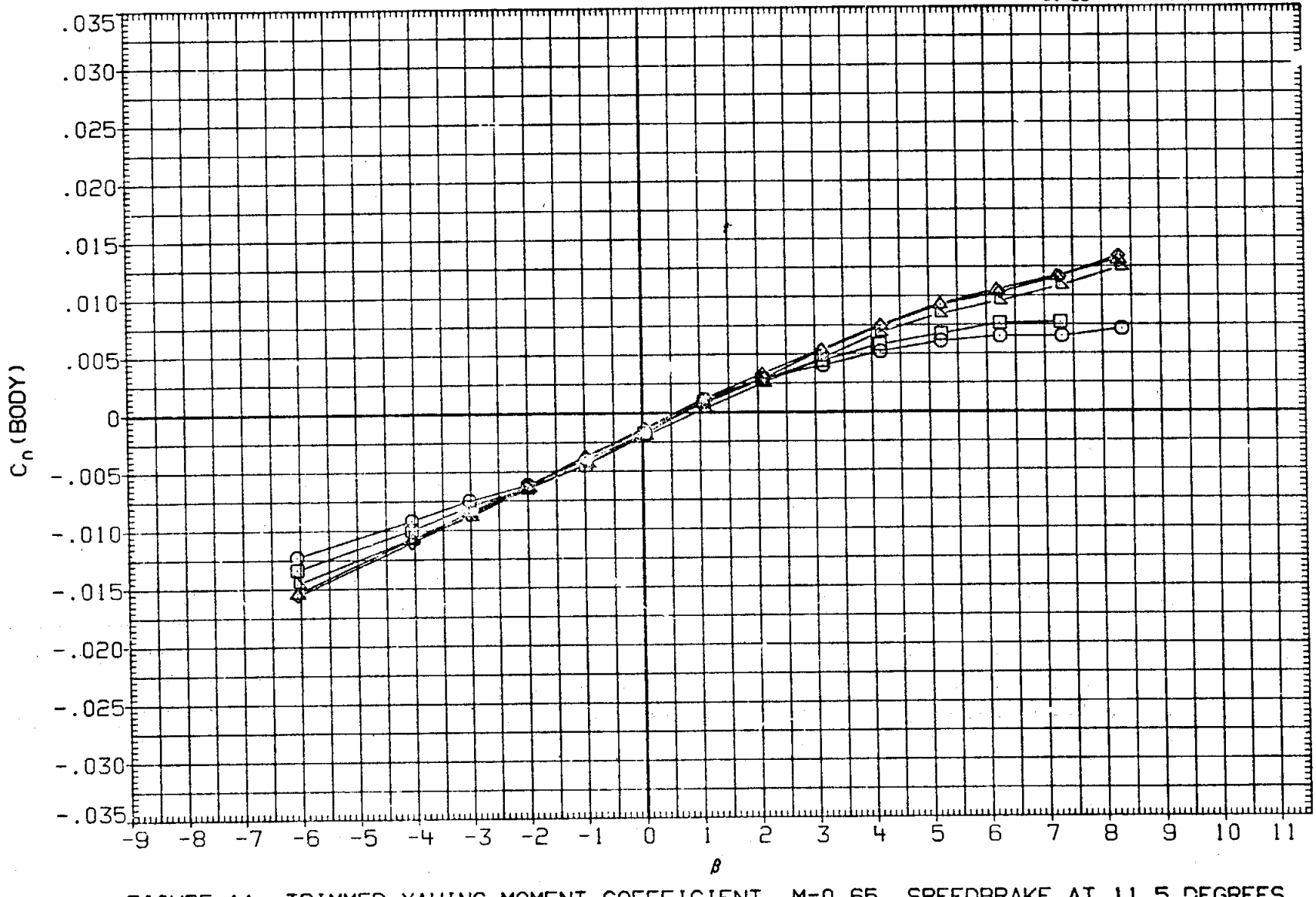

FIGURE 11. TRIMMED YAWING MOMENT COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES
12 DEGREES ANGLE OF ATTACK

(A)MACH = .65 DATE 23 SEP 77 PAGE 8

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	RN/L	BDFLAP
R2E026	○	ARC 213-1-11 LA89 OV 101 WITH T/C	6.000	11.500	6.500	-11.700
R2E030	□	ARC 213-1-11 LA89 OV 101 WITH T/C	6.000	11.500	6.500	-6.000
R2E034	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	6.000	11.500	6.500	.000
R2E038	△	ARC 213-1-11 LA89 OV 101 WITH T/C	6.000	11.500	6.500	6.000
R2E042	▷	ARC 213-1-11 LA89 OV 101 WITH T/C	6.000	11.500	6.500	12.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

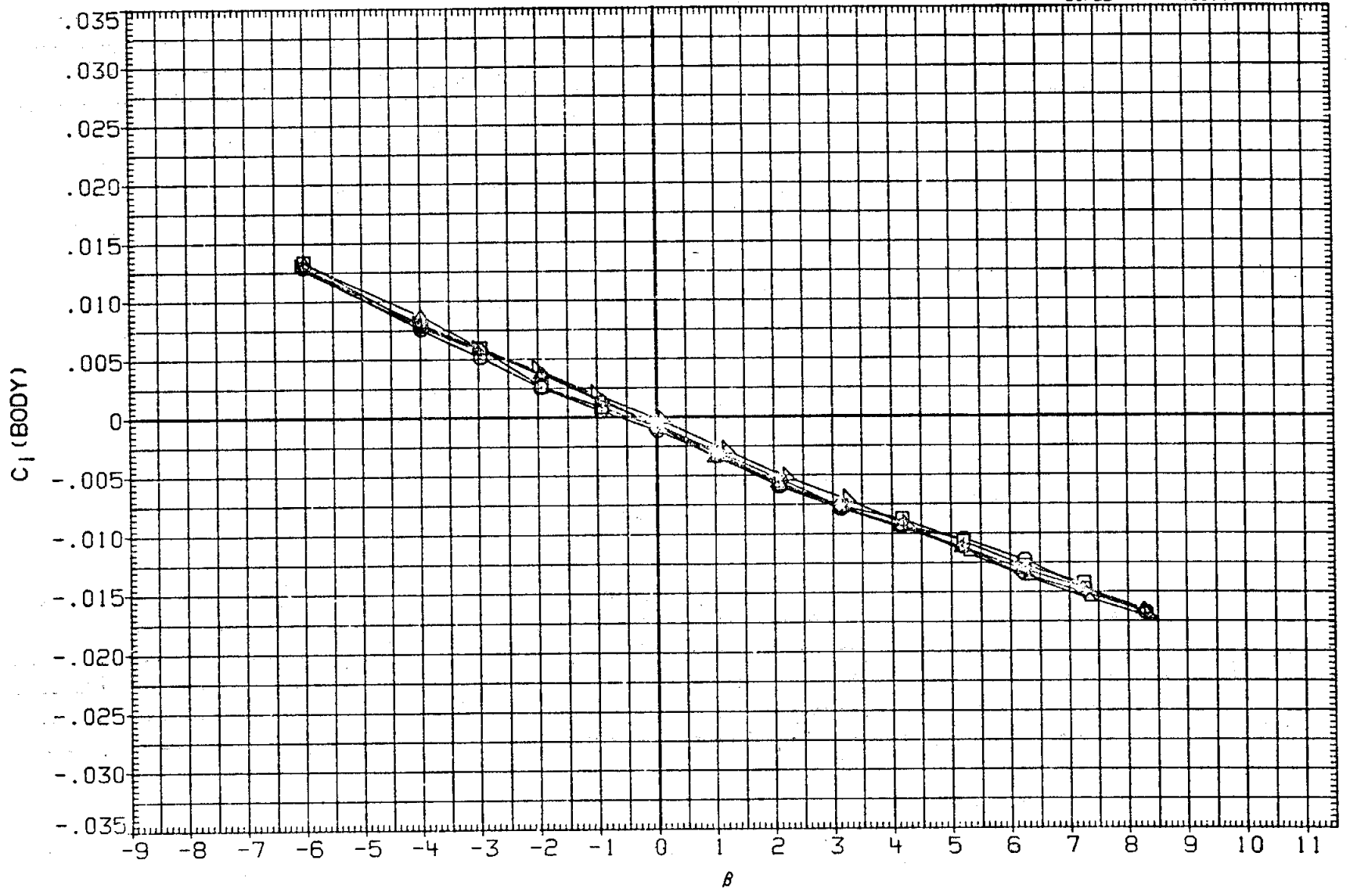

FIGURE 12. TRIMMED ROLLING MOMENT COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES
6 DEGREES ANGLE OF ATTACK

(A) MACH = .65

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E027	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E031	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E035	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E039	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E043	◁	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
12.000	11.500	6.500	-11.700
12.000	11.500	6.500	-6.000
12.000	11.500	6.500	.000
12.000	11.500	6.500	6.000
12.000	11.500	6.500	12.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

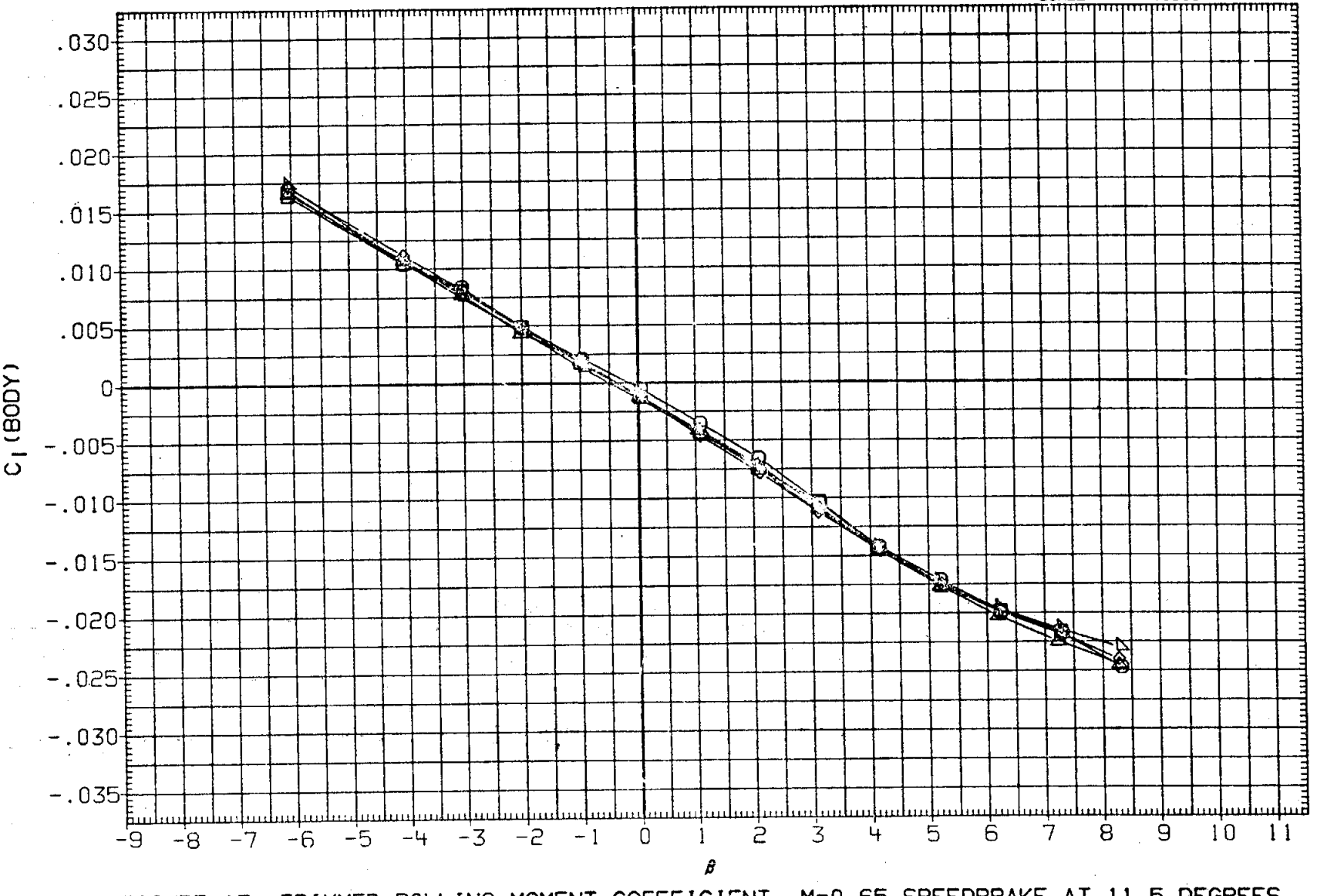

FIGURE 13. TRIMMED ROLLING MOMENT COEFFICIENT, M=0.65, SPEEDBRAKE AT 11.5 DEGREES 12 DEGREES ANGLE OF ATTACK

(A) MACH = .65

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E068	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	7.500	6.500	-11.700
R2E024	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E048	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	15.000	6.500	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

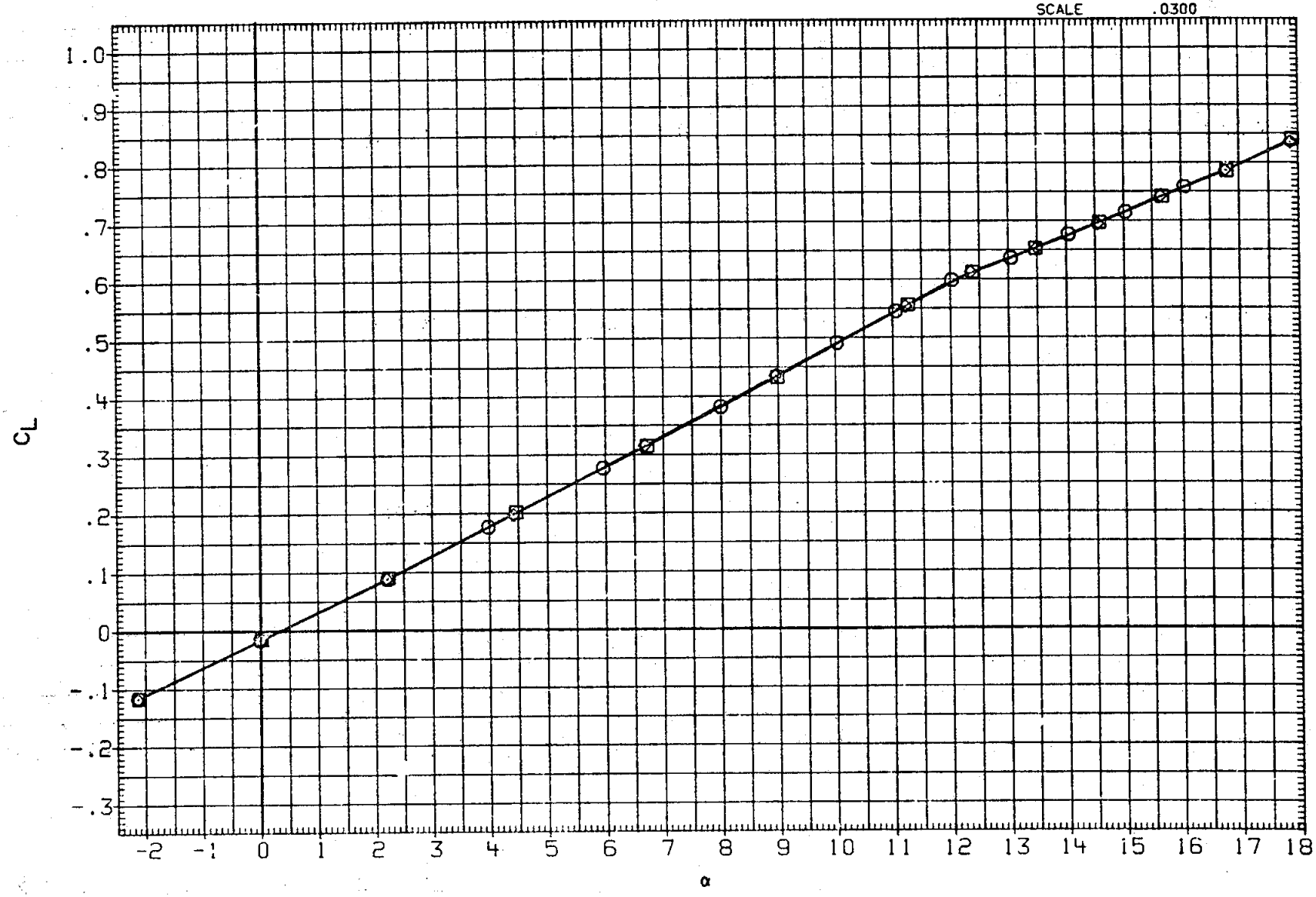

FIGURE 14. EFFECT OF SPEEDBRAKE ON TRIMMED LIFT COEFFICIENT, M=0.65, BODYFLAP AT - 11.7 DEGREES

(A) MACH = .65 DATE 23 SEP 77 PAGE 11

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E068	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	7.500	6.500	-11.700
R2E024	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E048	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	15.000	6.500	-11.700

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

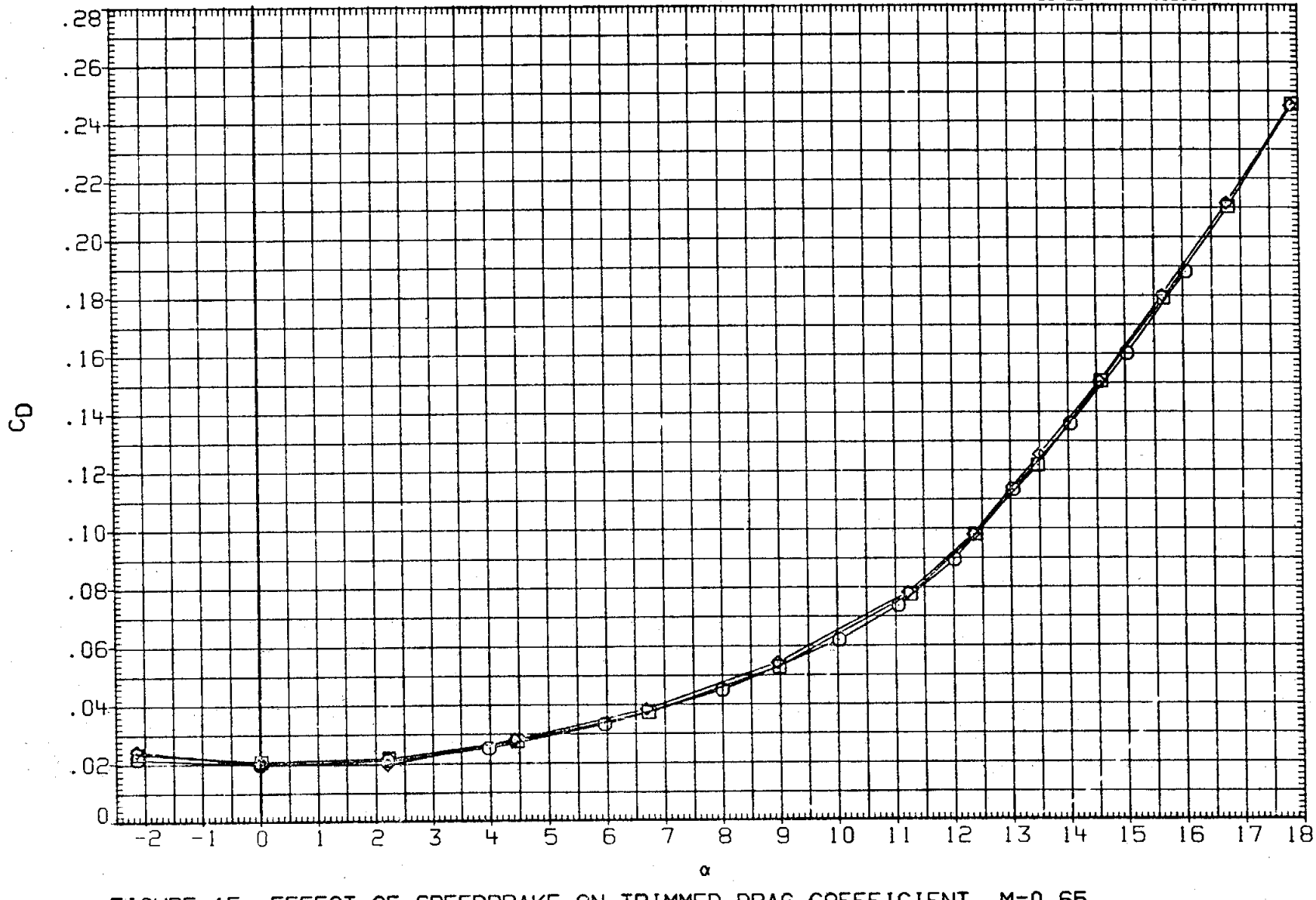

FIGURE 15. EFFECT OF SPEEDBRAKE ON TRIMMED DRAG COEFFICIENT, M=0.65
BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 12

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	RN/L	BDFLAP
R2E068	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	7.500	6.500	-11.700
R2E024	□	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	11.500	6.500	-11.700
R2E048	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	15.000	6.500	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

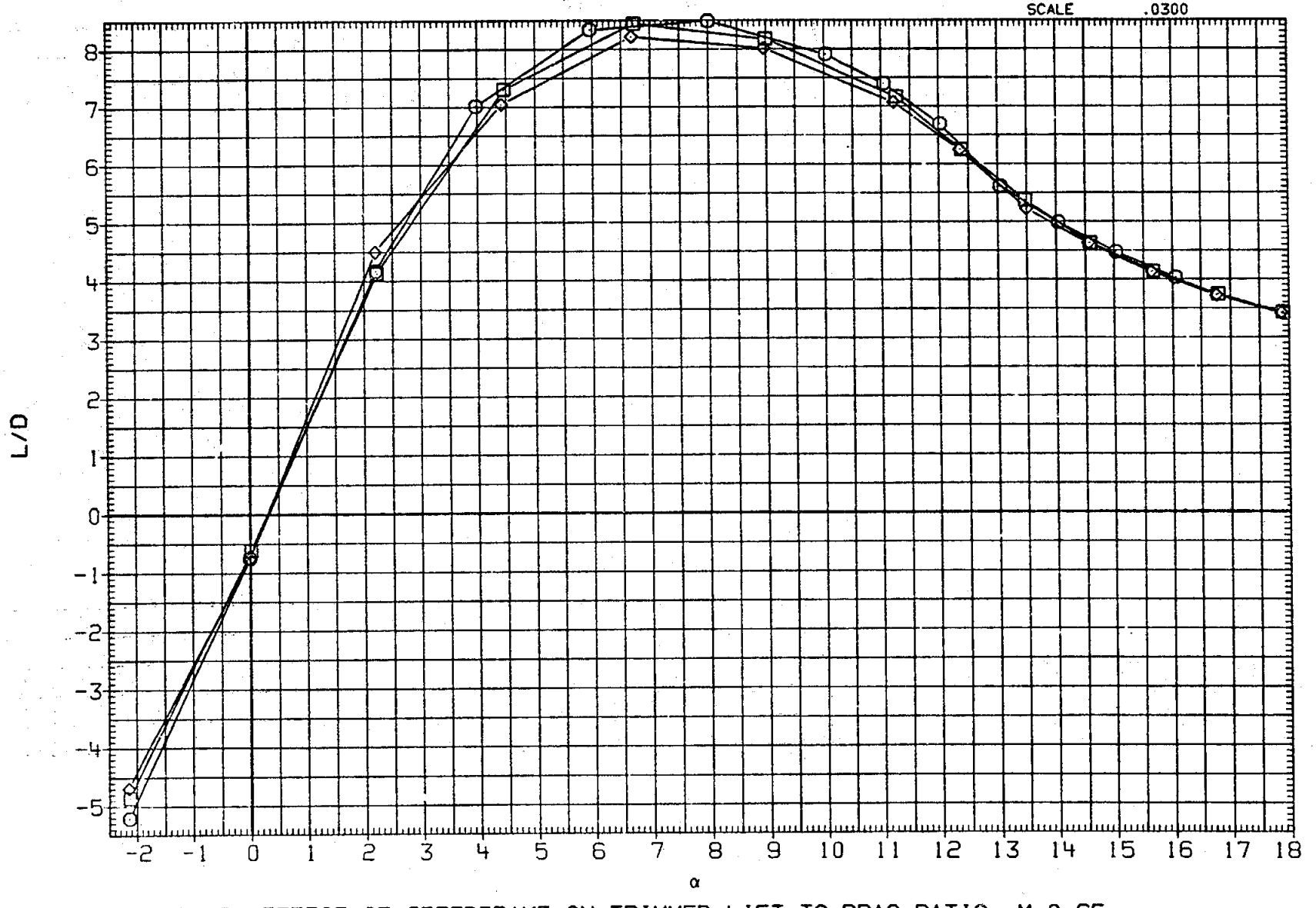

FIGURE 16. EFFECT OF SPEEDBRAKE ON TRIMMED LIFT-TO-DRAG RATIO, M=0.65
BODYFLAP AT -11.7 DEGREES

(A) MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E070	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E026	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E050	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
6.000	7.500	6.500	-11.700
6.000	11.500	6.500	-11.700
6.000	15.000	6.500	-11.700

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

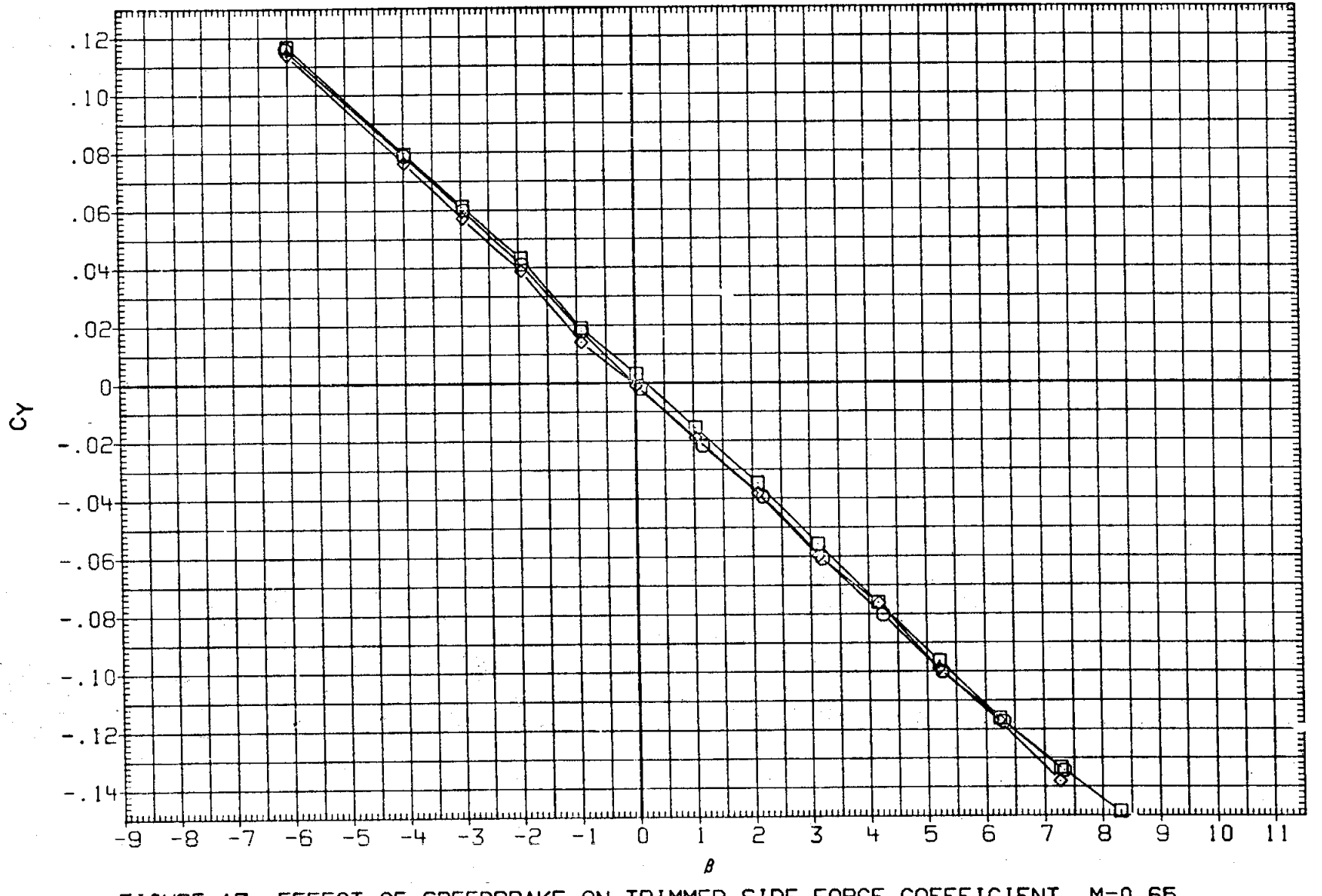

FIGURE 17. EFFECT OF SPEEDBRAKE ON TRIMMED SIDE FORCE COEFFICIENT, M=0.65
6 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 14

DATA SET	SYMBOL	CONFIGURATION
R2E071	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E027	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E051	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
12.000	7.500	6.500	-11.700
12.000	11.500	6.500	-11.700
12.000	15.000	6.500	-11.700

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

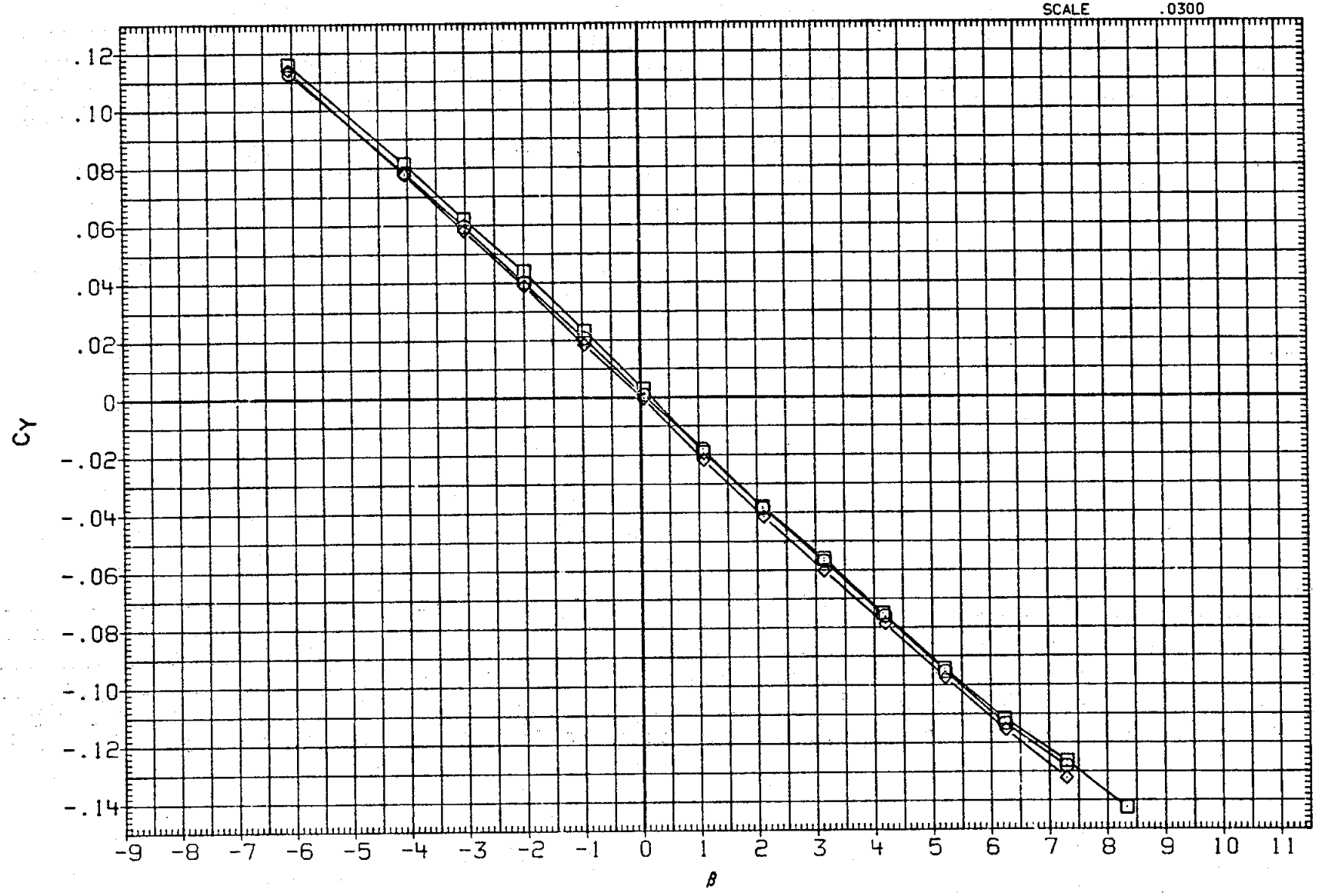

FIGURE 18. EFFECT OF SPEEDBRAKE ON TRIMMED SIDE FORCE COEFFICIENT, M=0.65
12 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E070	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E026	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E050	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
6.000	7.500	6.500	-11.700
6.000	11.500	6.500	-11.700
6.000	15.000	6.500	-11.700

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

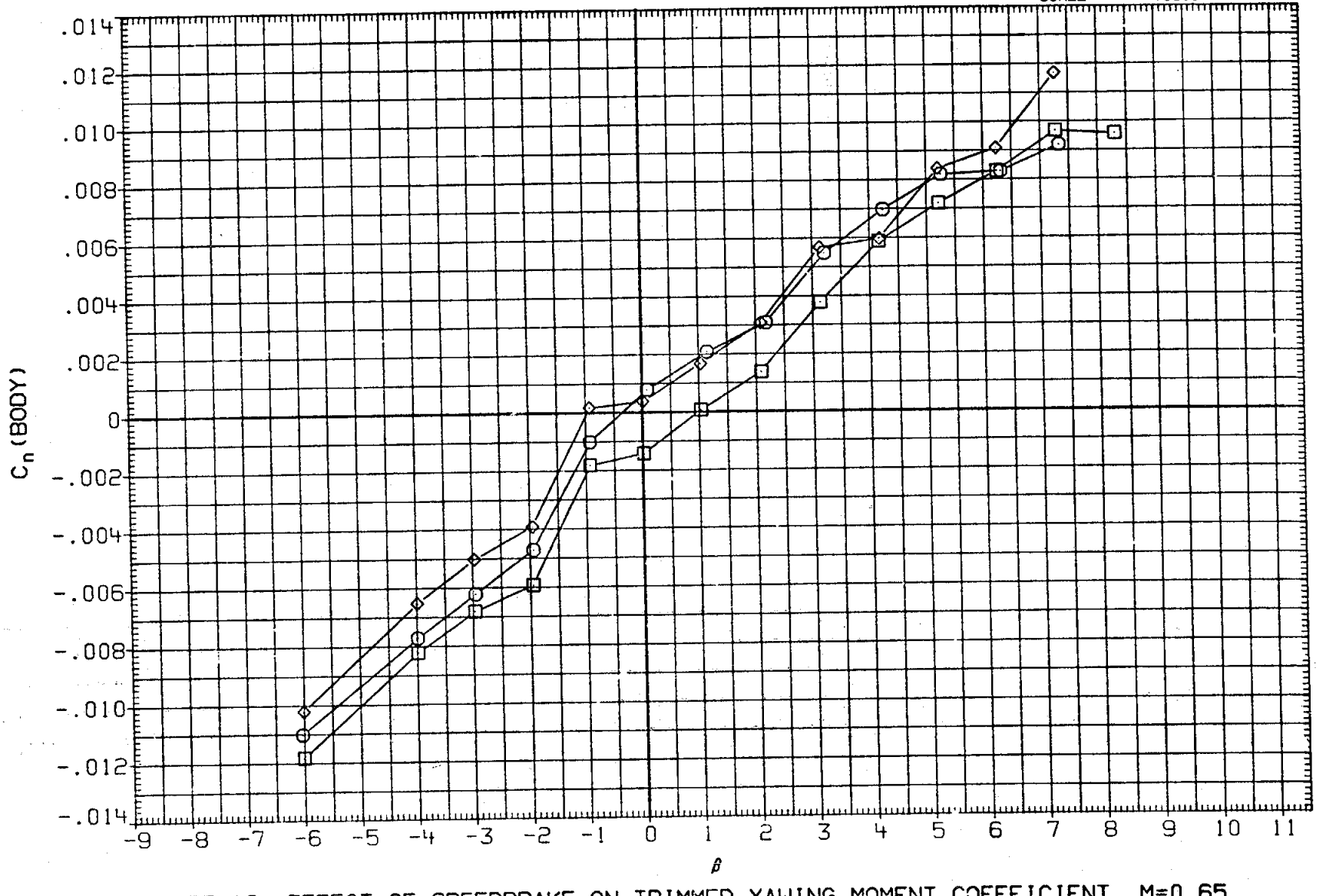

FIGURE 19. EFFECT OF SPEEDBRAKE ON TRIMMED YAWING MOMENT COEFFICIENT, M=0.65
6 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E071	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E027	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E051	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
12.000	7.500	6.500	-11.700
12.000	11.500	6.500	-11.700
12.000	15.000	6.500	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

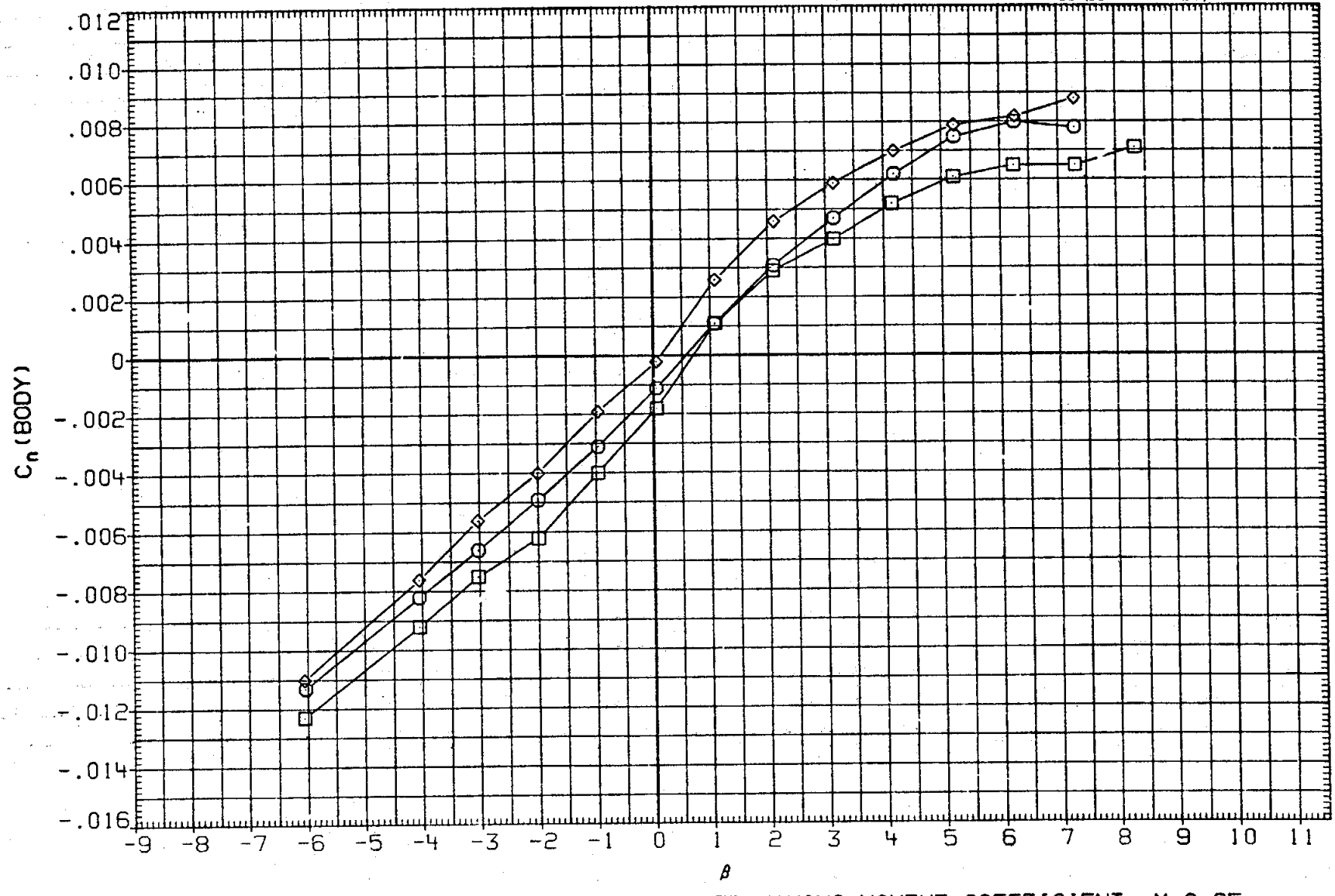

FIGURE 20. EFFECT OF SPEEDBRAKE ON TRIMMED YAWING MOMENT COEFFICIENT, M=0.65
12 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E070	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E026	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E050	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	RN/L	BDFLAP
6.000	7.500	6.500	-11.700
6.000	11.500	6.500	-11.700
6.000	15.000	6.500	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

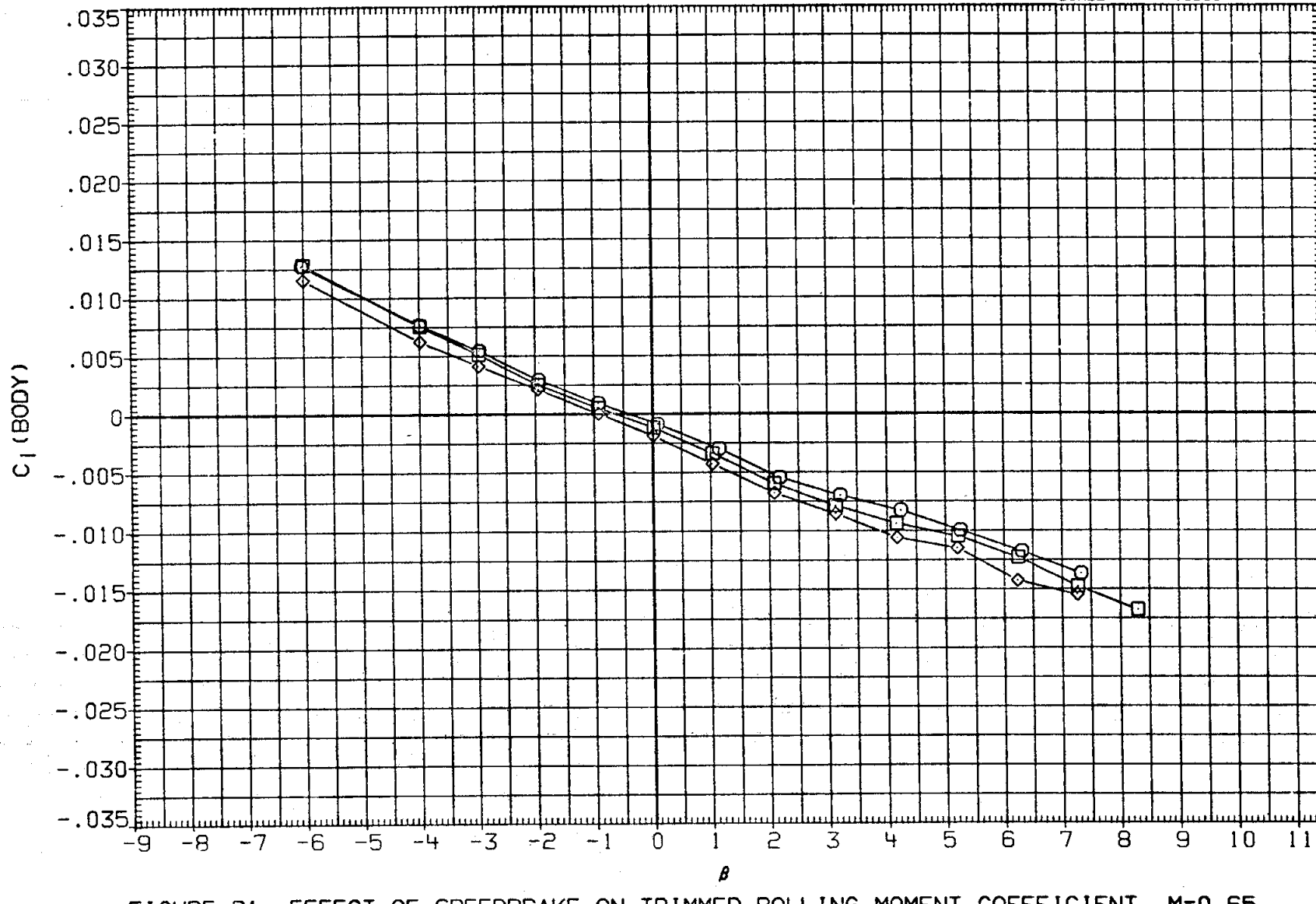

FIGURE 21. EFFECT OF SPEEDBRAKE ON TRIMMED ROLLING MOMENT COEFFICIENT, M=0.65
6 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 18

DATA SET	SYMBOL	CONFIGURATION
R2E071	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E027	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E051	◇	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPOBRK	RN/L	BDFLAP
12.000	7.500	6.500	-11.700
12.000	11.500	6.500	-11.700
12.000	15.000	6.500	-11.700

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

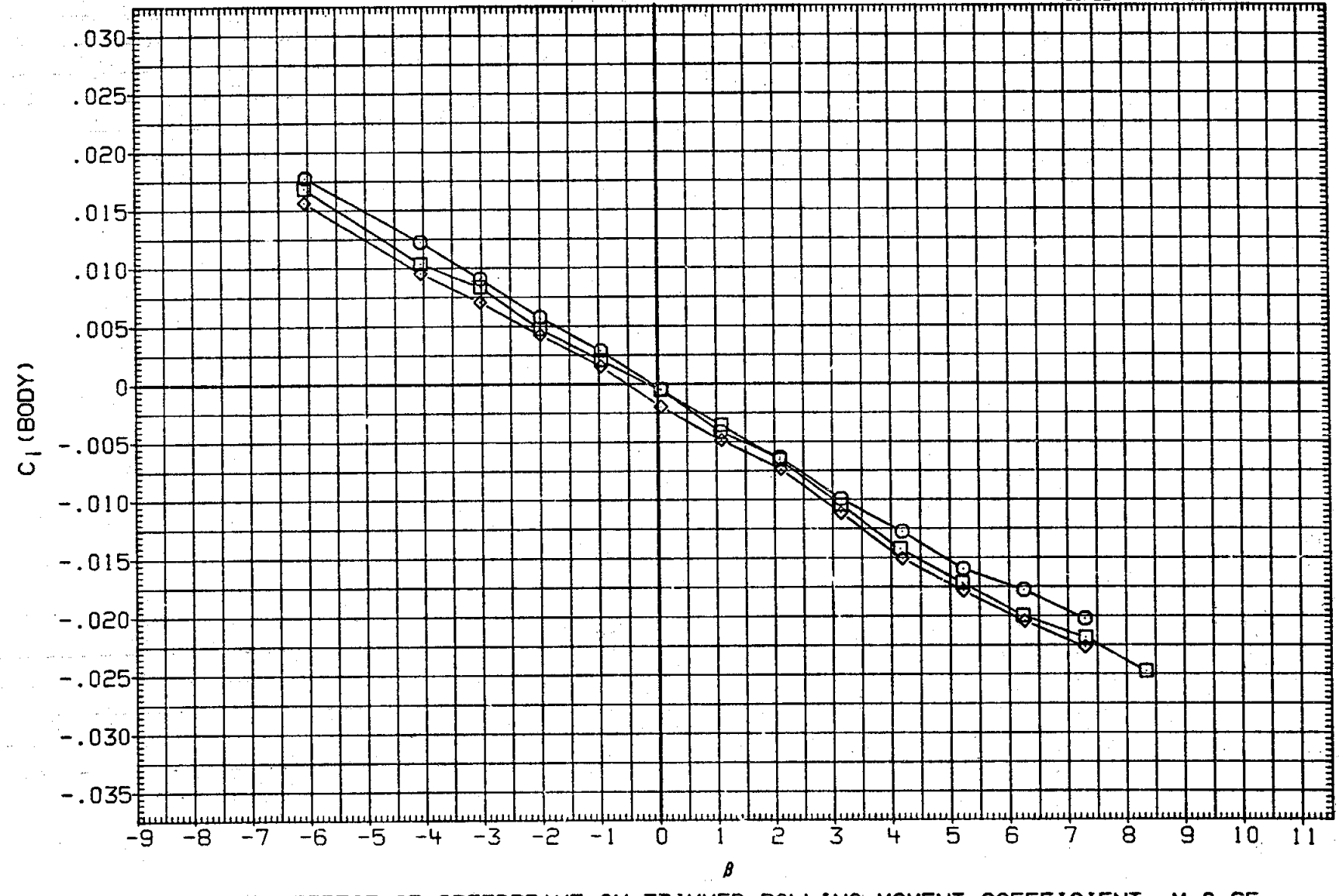

FIGURE 22. EFFECT OF SPEEDBRAKE ON TRIMMED ROLLING MOMENT COEFFICIENT, M=0.65
12 DEGREES ANGLE OF ATTACK BODYFLAP AT -11.7 DEGREES

(A)MACH = .65 DATE 23 SEP 77 PAGE 19

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPOBRK	BDFLAP	ELEVON
R2E114	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-11.700	.000
R2E115	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-6.000	.000
R2E116	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-4.000	.000
R2E117	△	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-2.000	.000
R2E118	◁	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	.000	.000
R2E119	▷	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

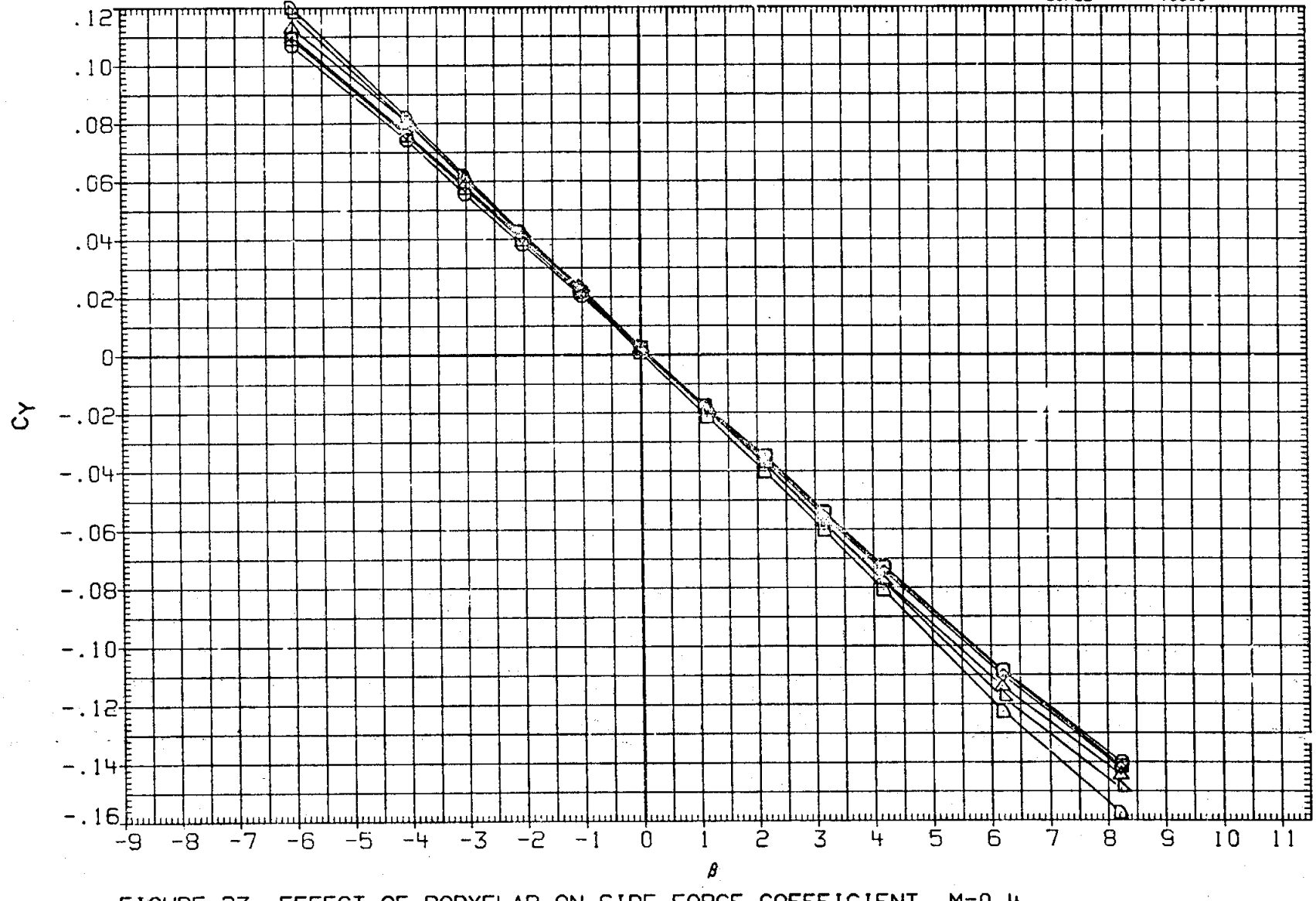

FIGURE 23. EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M=0.4

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E120	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E121	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

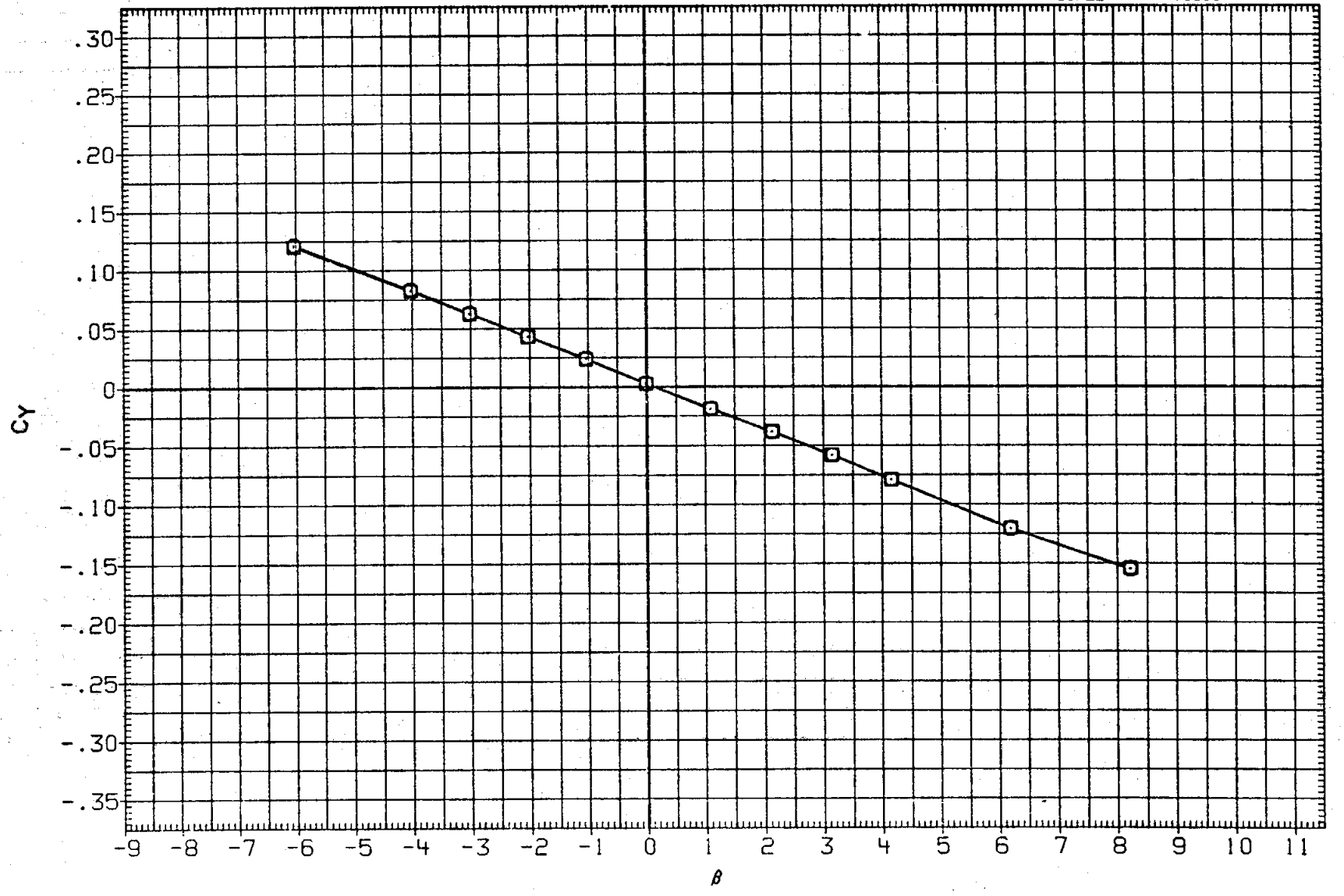

FIGURE 23. (CONTINUED)

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E131	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E134	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E135	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E136	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E137	◁	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

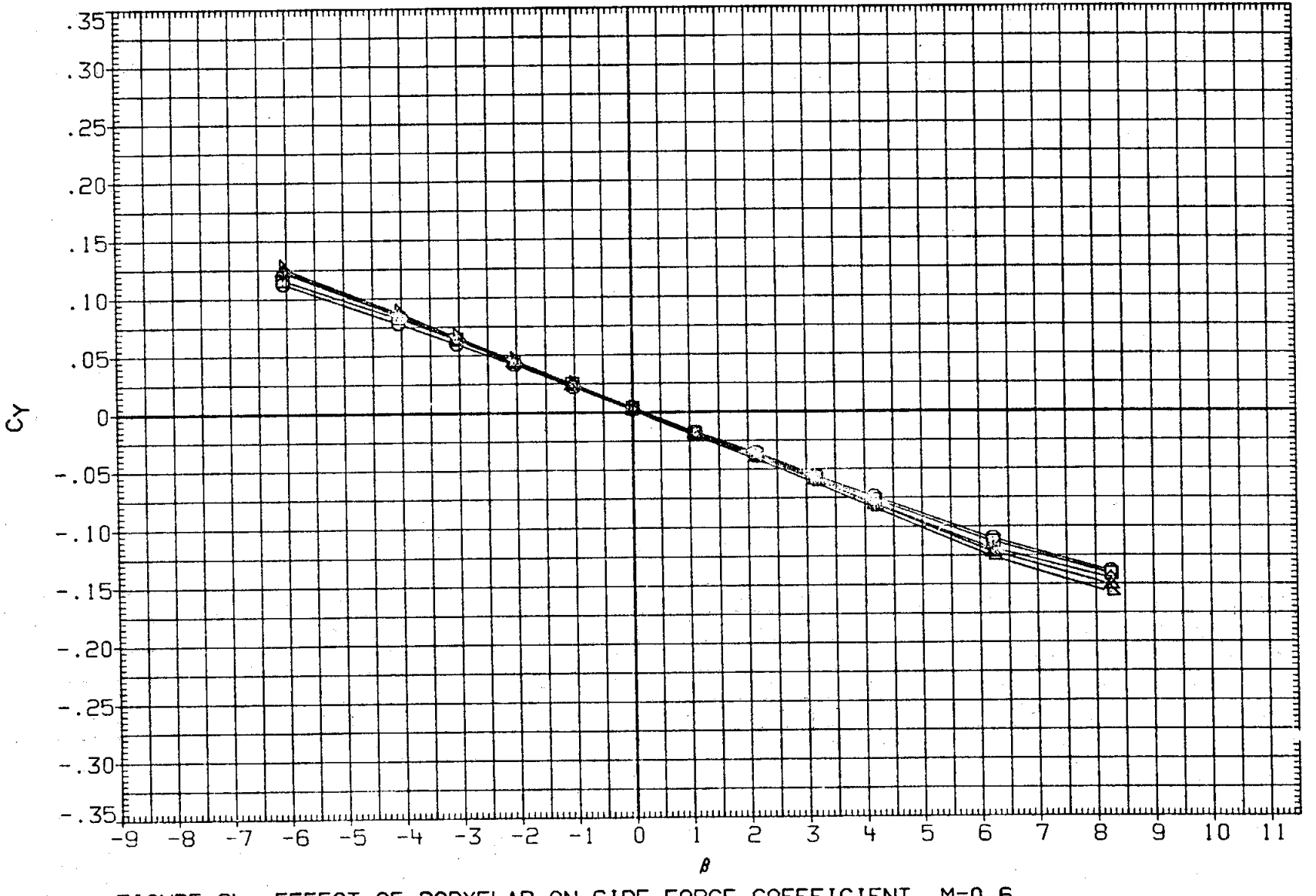

FIGURE 24. EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M=0.6

(A)MACH = .60 DATE 23 SEP 77 PAGE 22

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E138	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E139	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

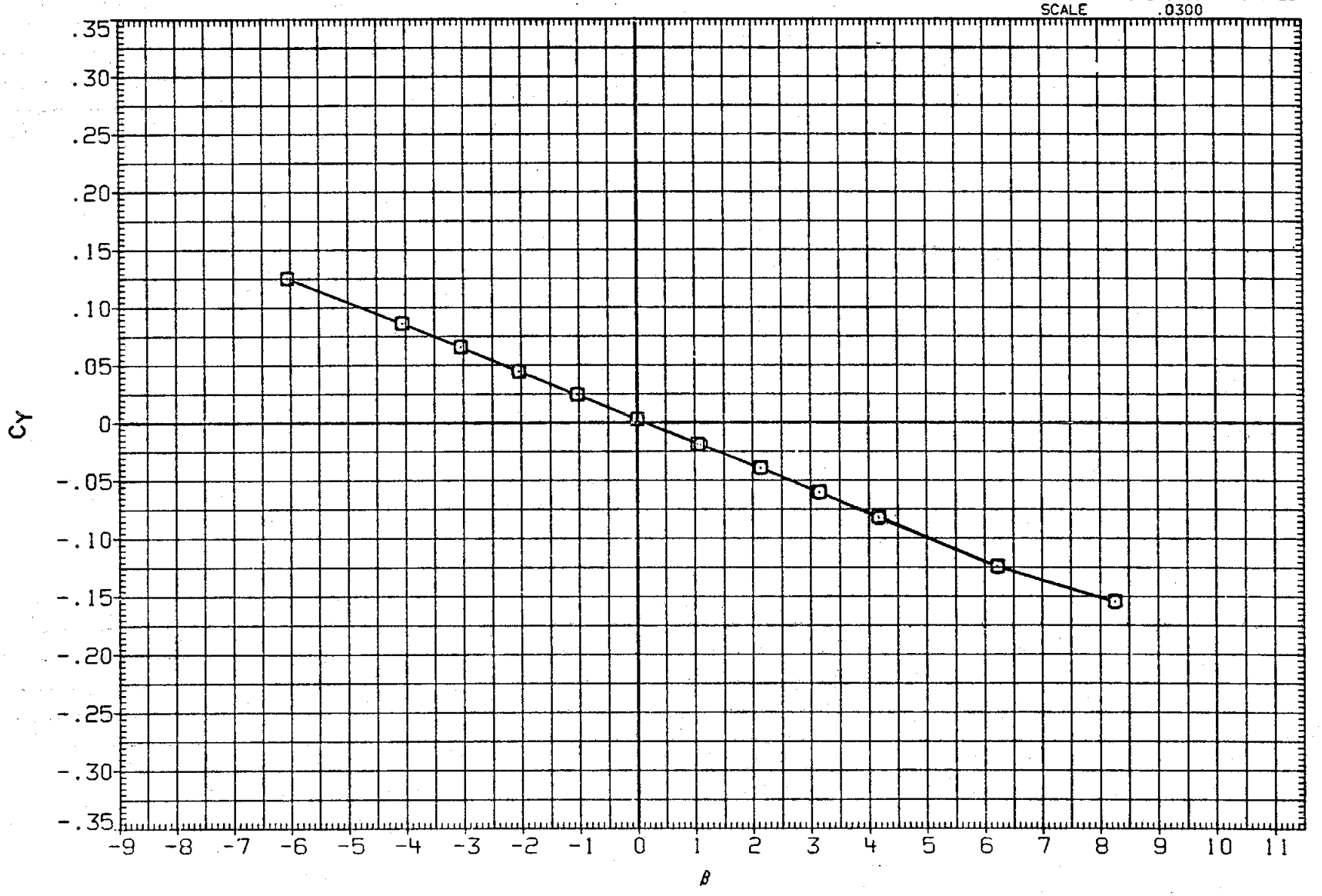

FIGURE 24. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E149	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E150	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E151	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E152	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E153	◁	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E154	D	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-6.000	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

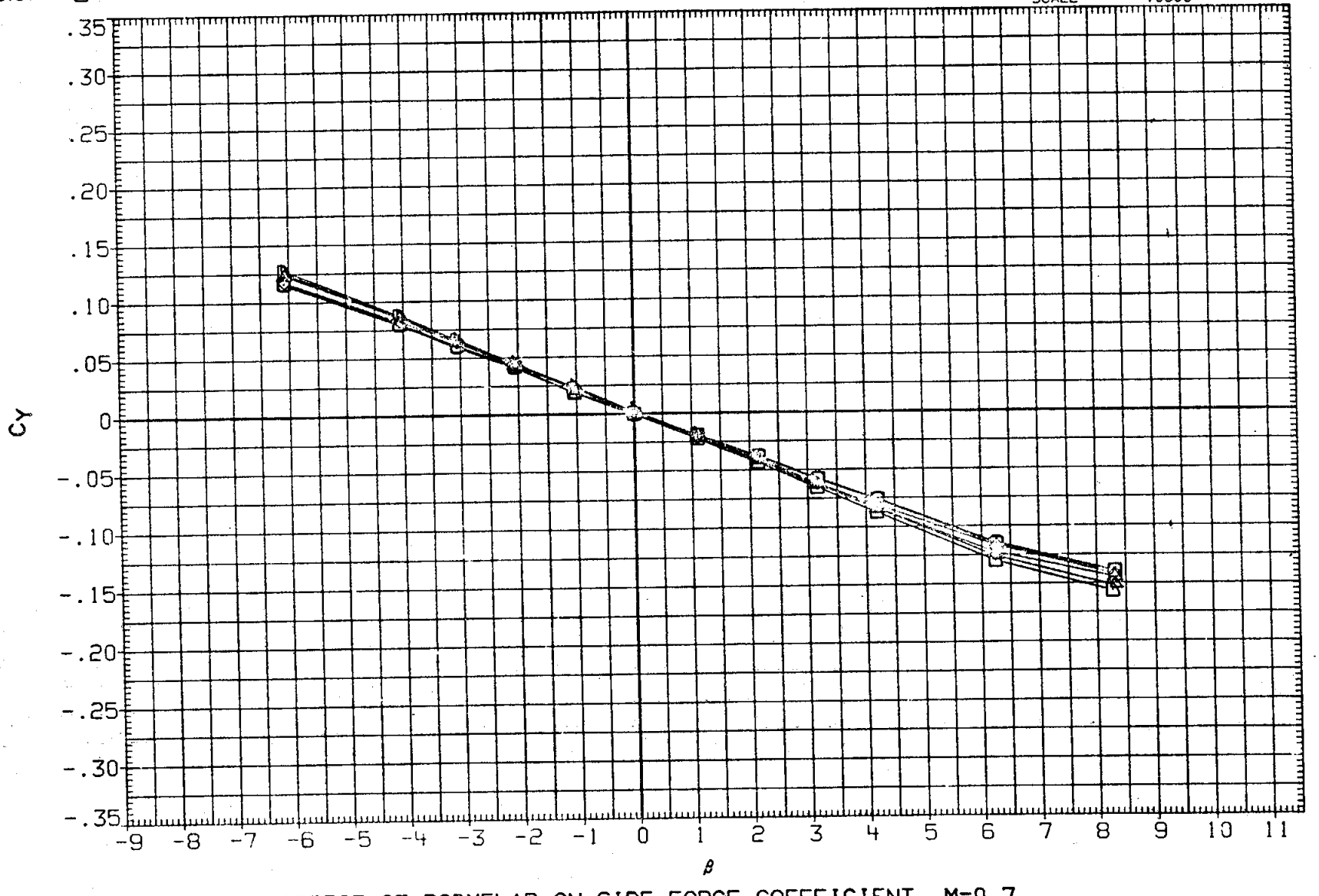

FIGURE 25. EFFECT OF BODYFLAP ON SIDE FORCE COEFFICIENT, M=0.7

(A)MACH = .70 DATE 23 SEP 77 PAGE 24

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E155	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E156	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

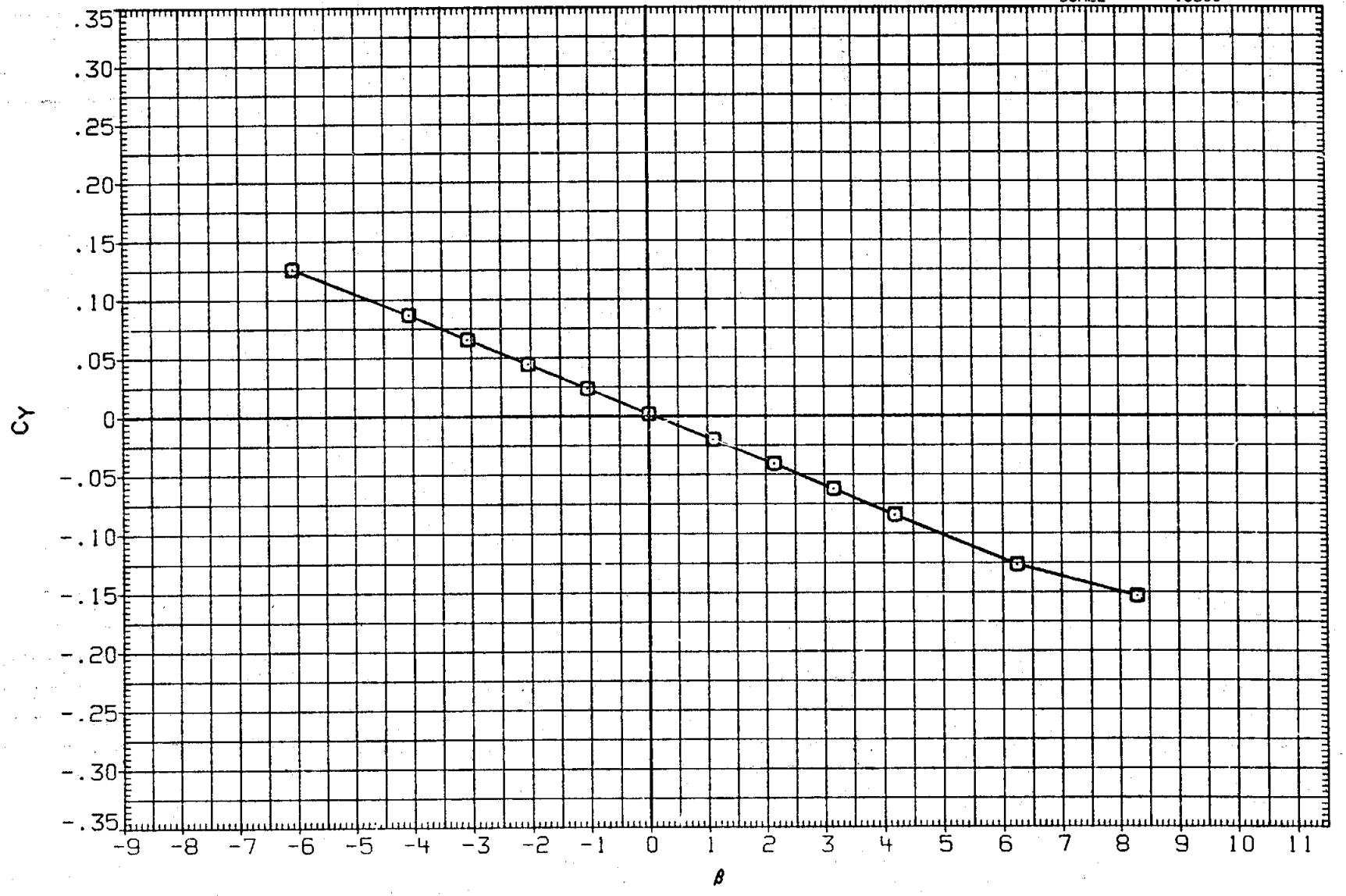

FIGURE 25. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E114	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E115	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E116	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E117	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E118	◸	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E119	⬠	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-6.000	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

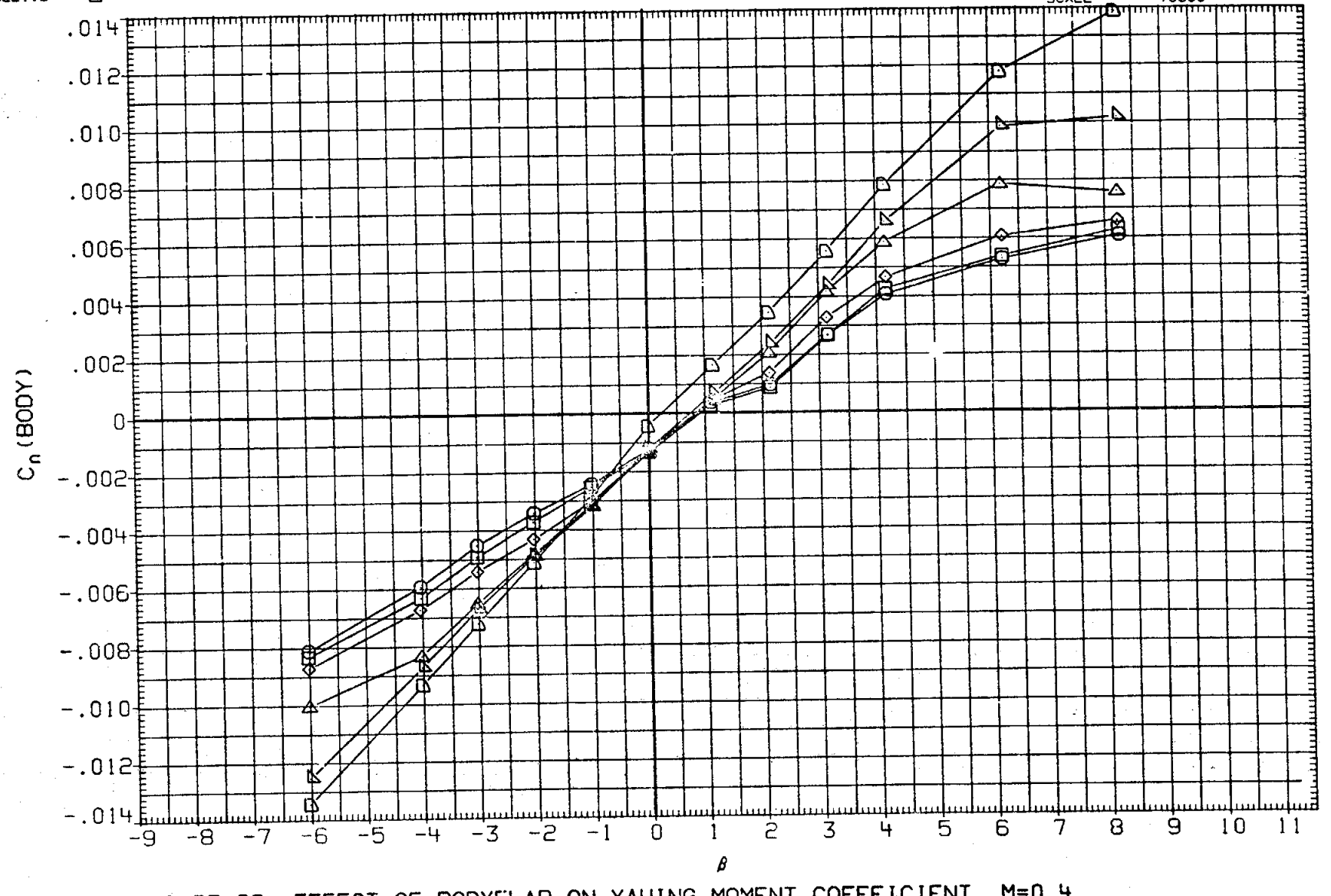

FIGURE 26. EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M=0.4

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E120	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E121	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

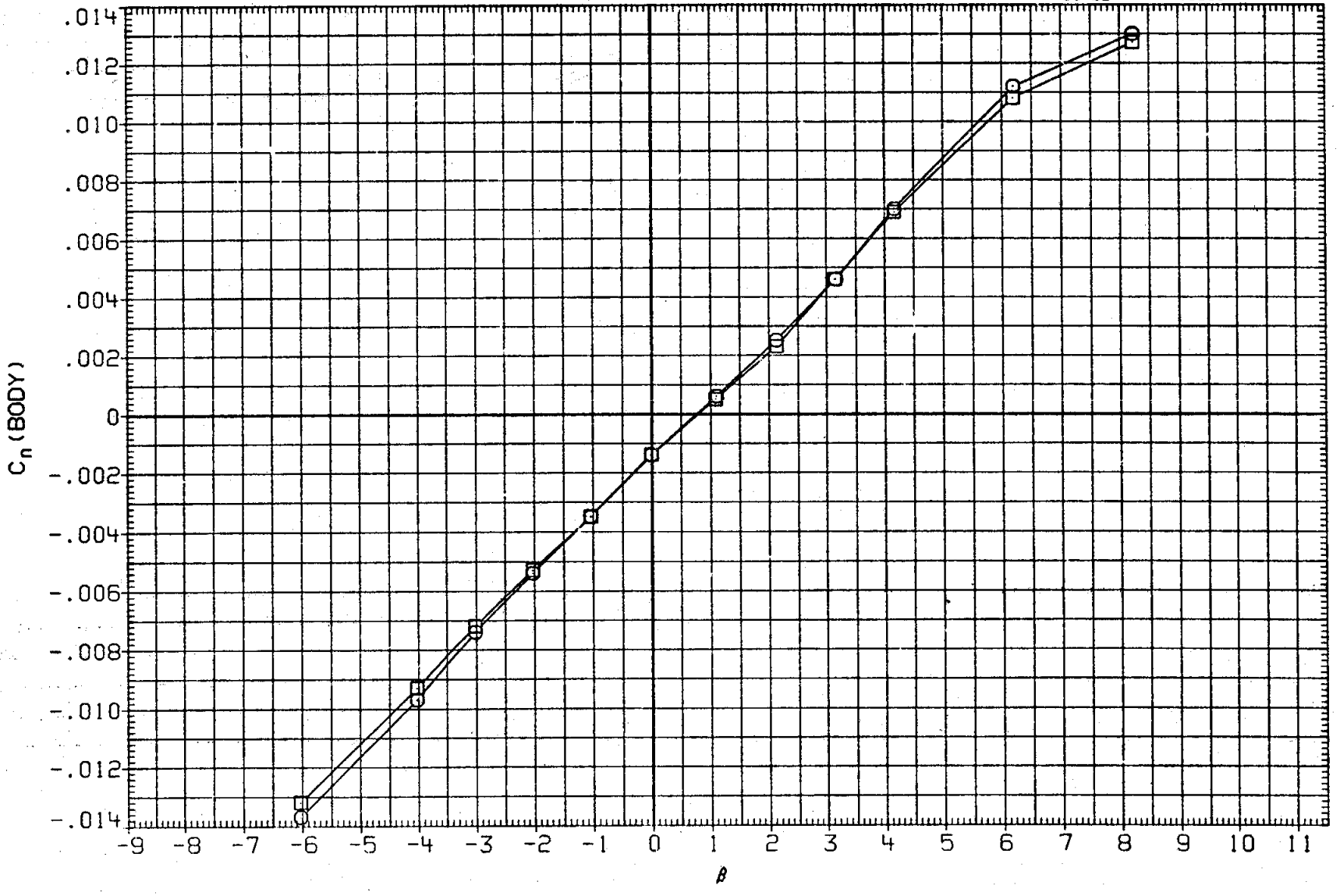

FIGURE 26. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E131	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E134	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E135	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E136	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E137	◁	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

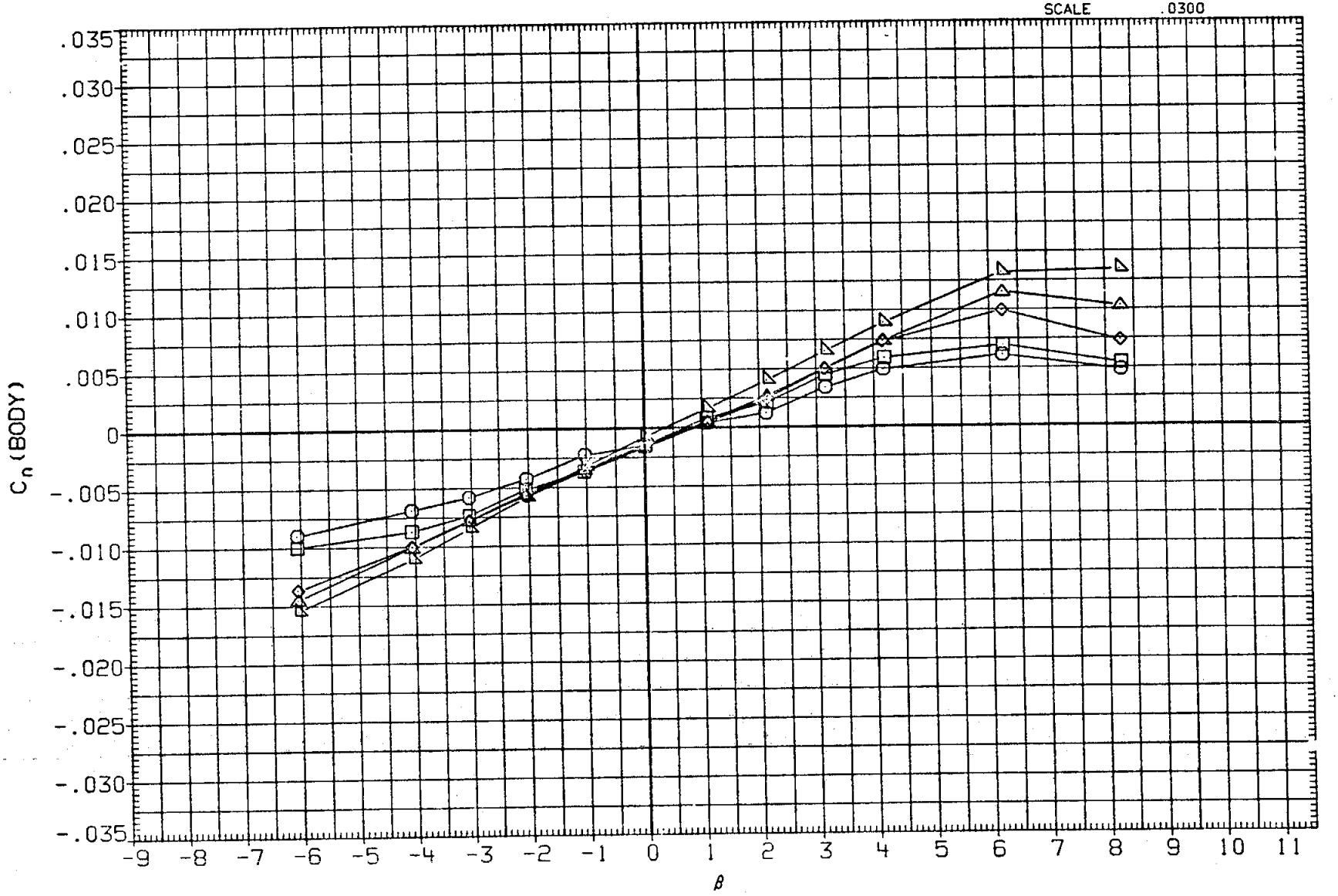

FIGURE 27. EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E138	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E139	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

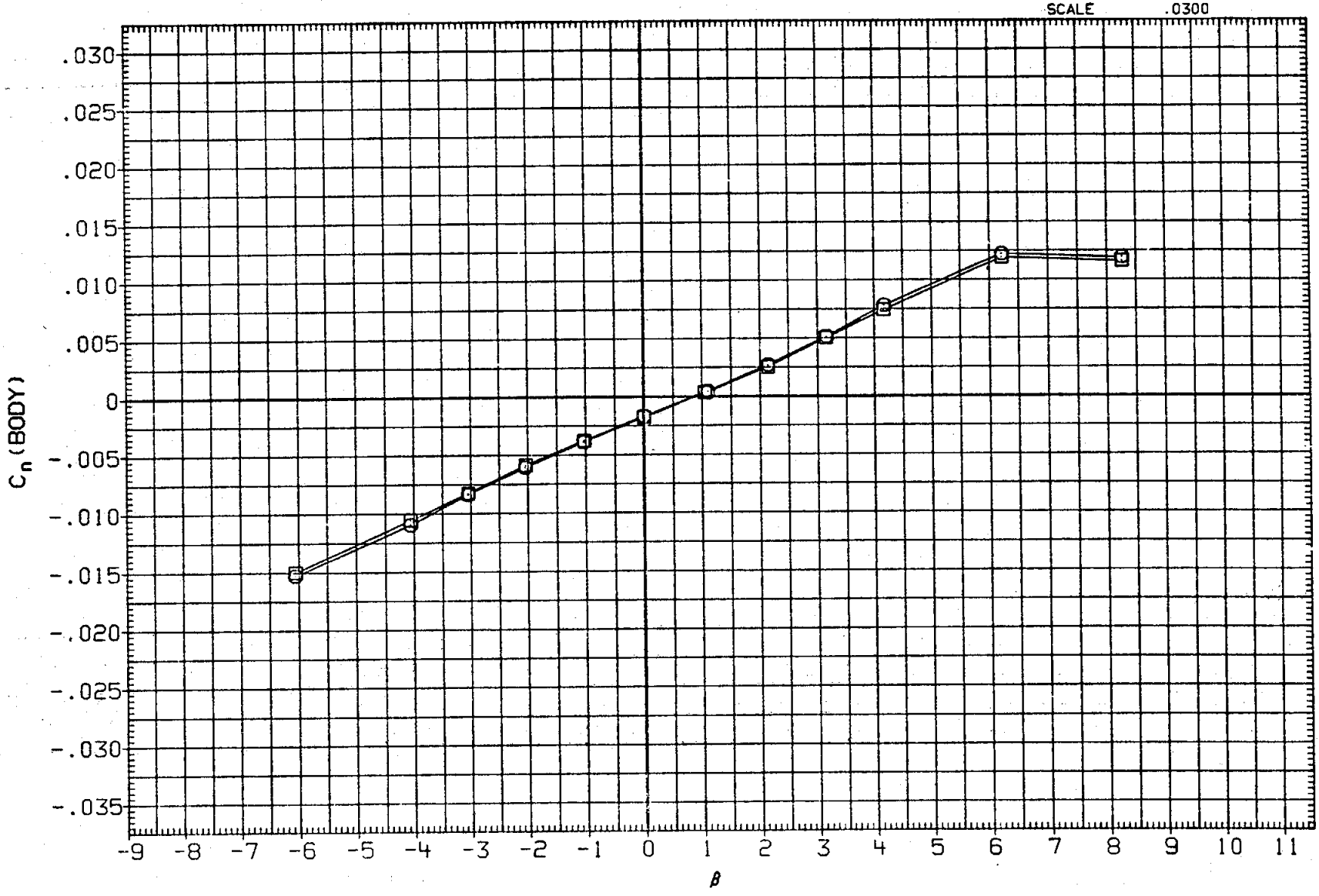

FIGURE 27. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E149	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E150	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E151	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E152	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E153	◁	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E154	D	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-6.000	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6900	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

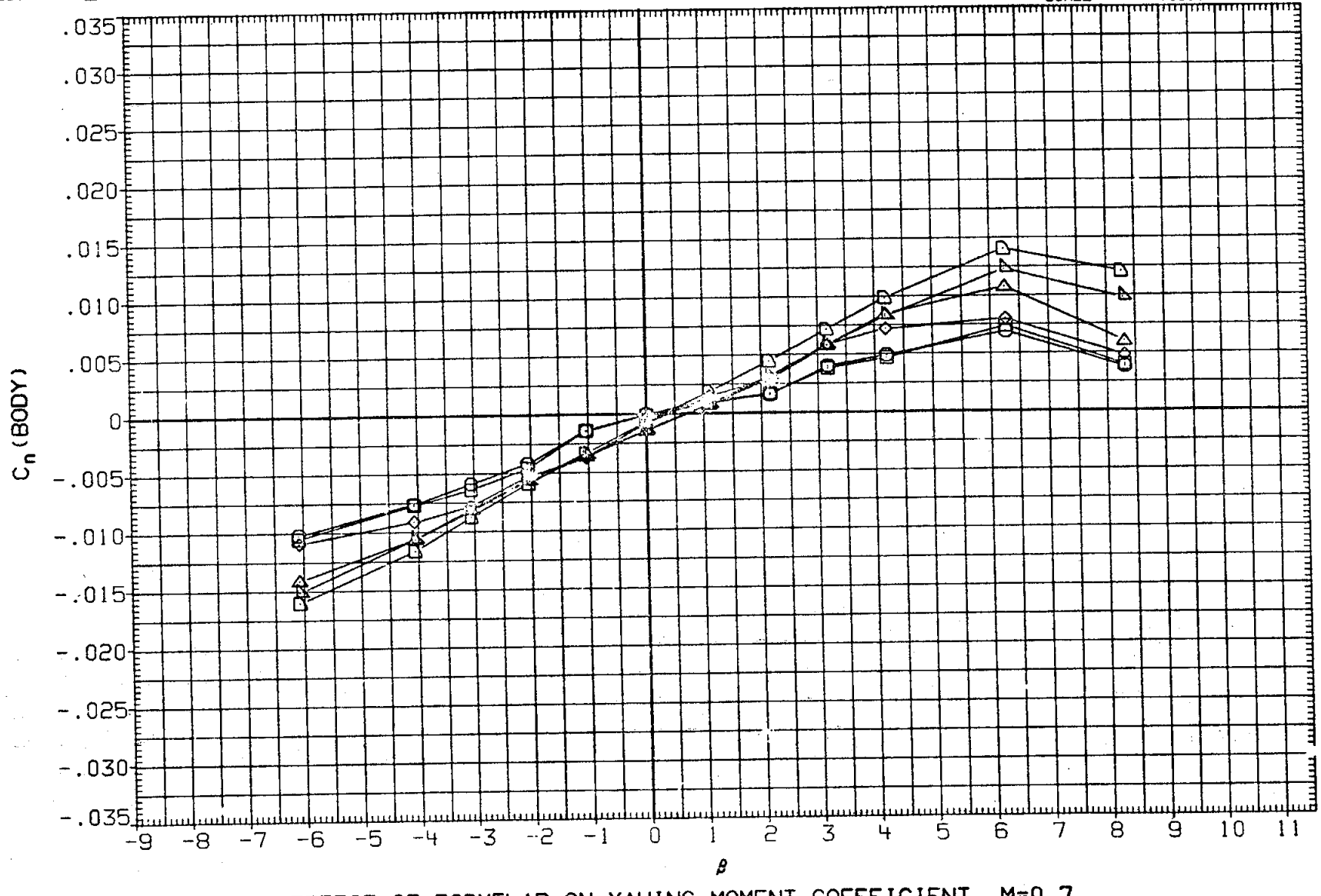

FIGURE 28. EFFECT OF BODYFLAP ON YAWING MOMENT COEFFICIENT, M=0.7

(A)MACH = .70 DATE 23 SEP 77 PAGE 30

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E155	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E156	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

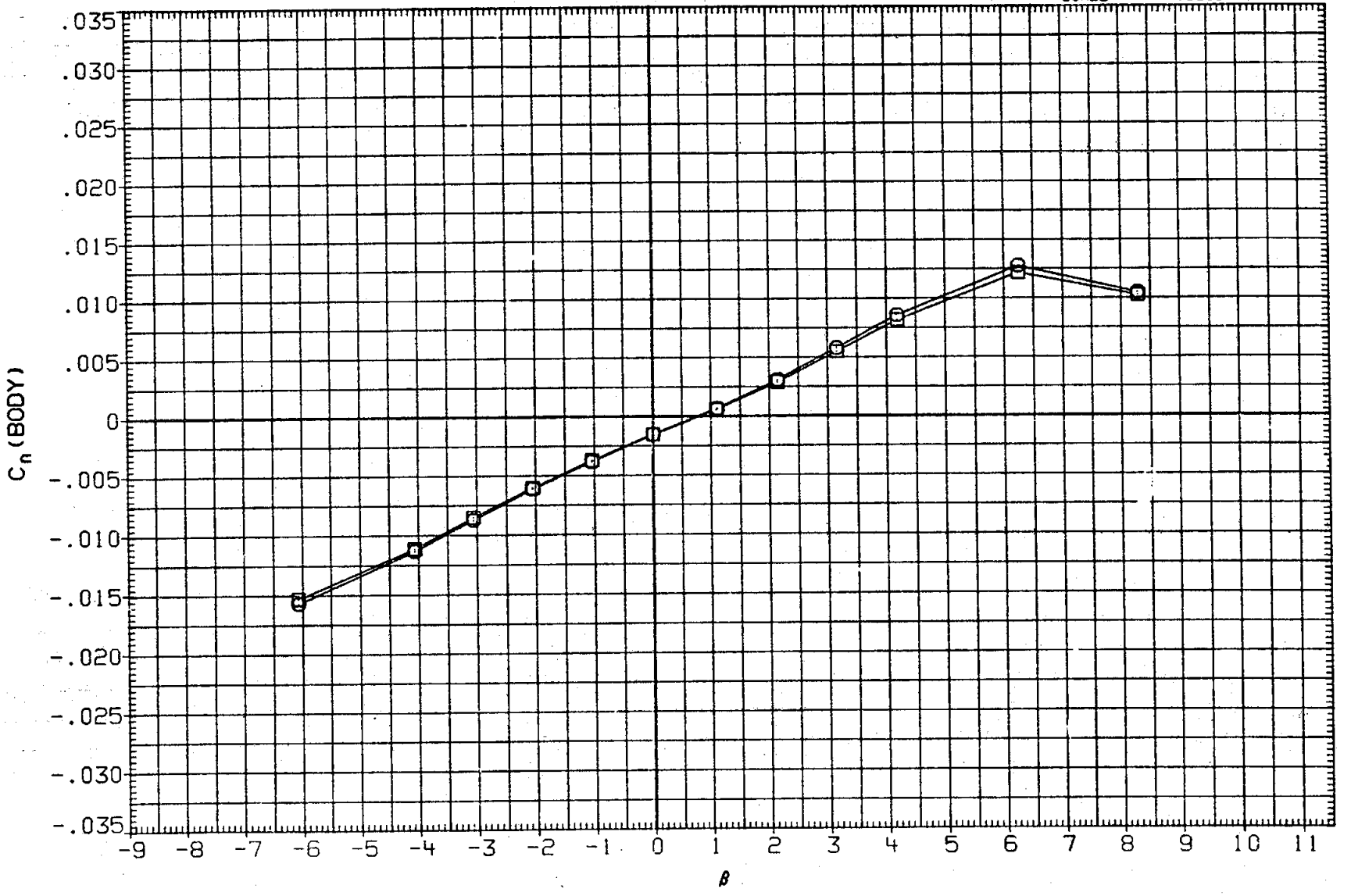

FIGURE 28. (CONTINUED)

(A)MACH = .70

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E114	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-11.700	.000
R2E115	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-6.000	.000
R2E116	◇	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-4.000	.000
R2E117	▷	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-2.000	.000
R2E118	▽	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	.000	.000
R2E119	D	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

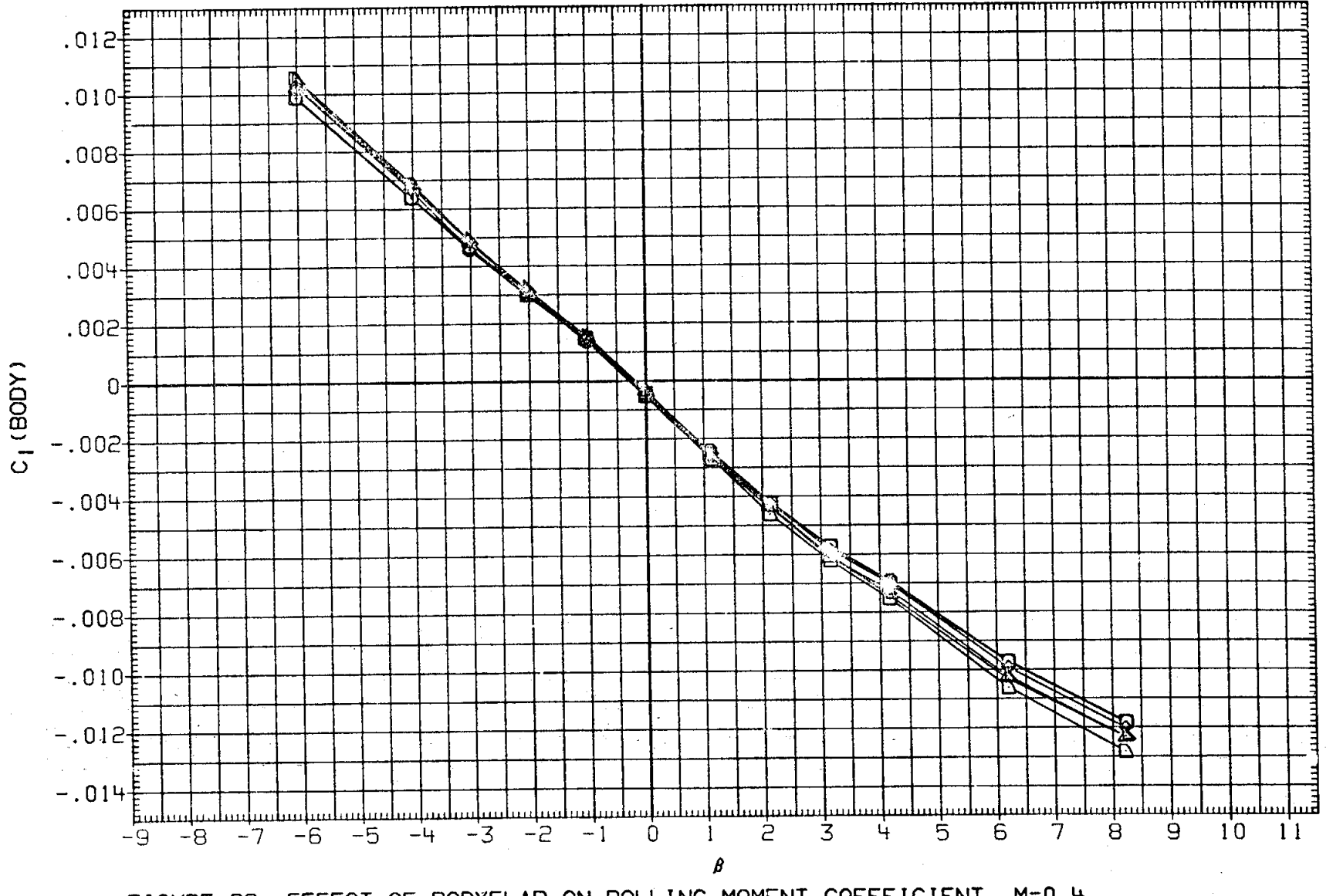

FIGURE 29. EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M=0.4

(A)MACH = .40 DATE 23 SEP 77 PAGE 32

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E120	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E121	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

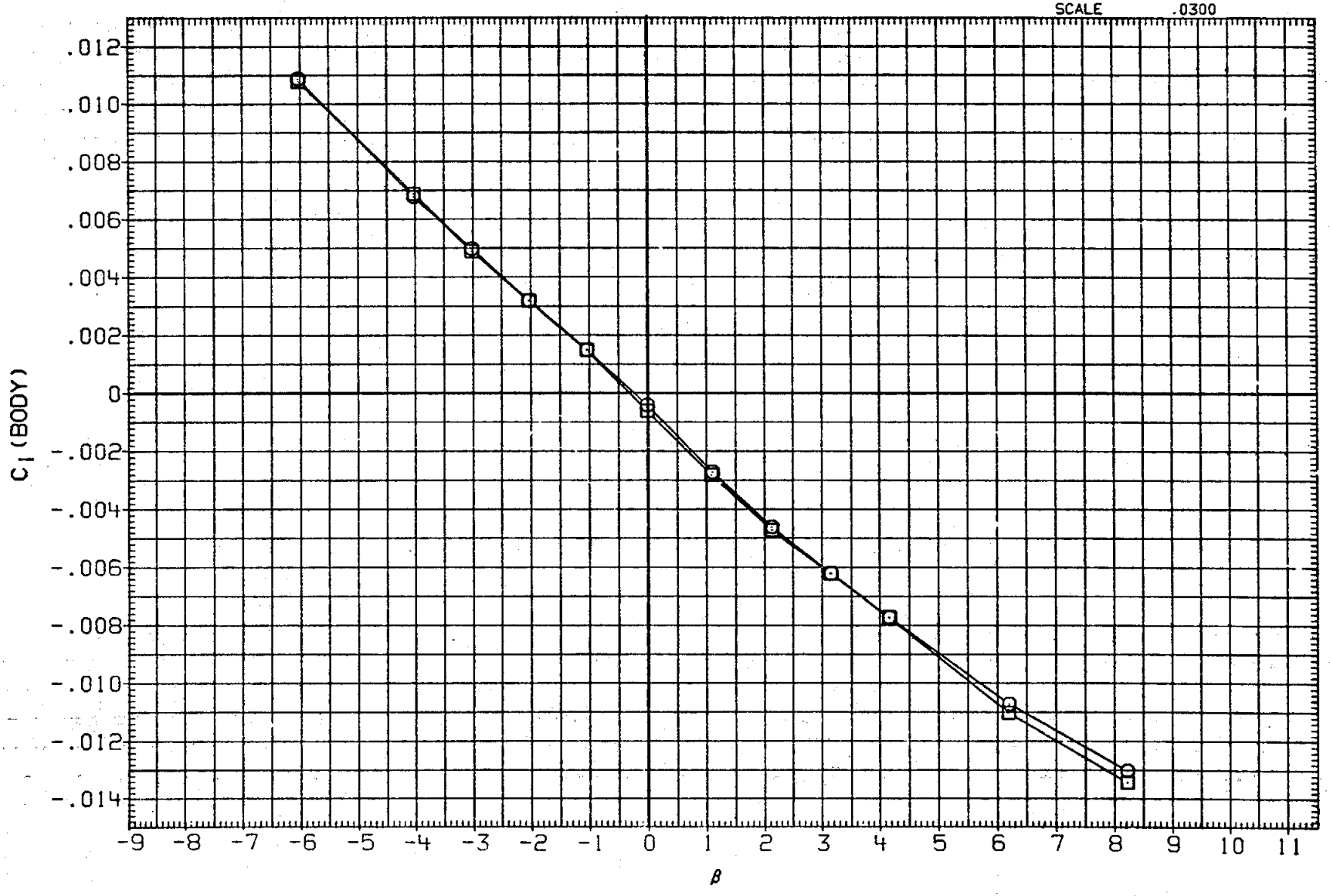

FIGURE 29. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E131	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E134	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E135	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E136	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E137	▷	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPOBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION

SREF	2630.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

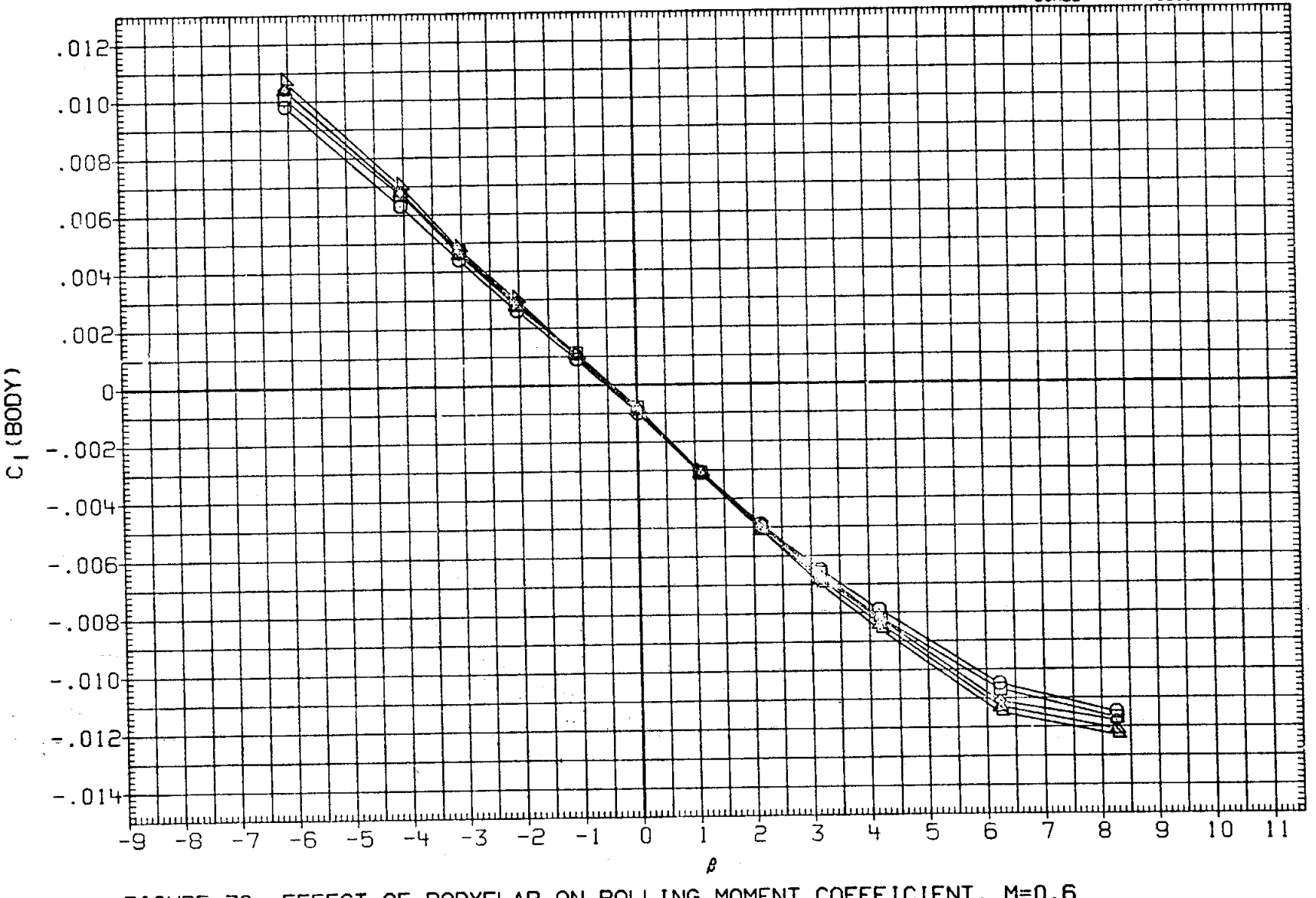

FIGURE 30. EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E138	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E139	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

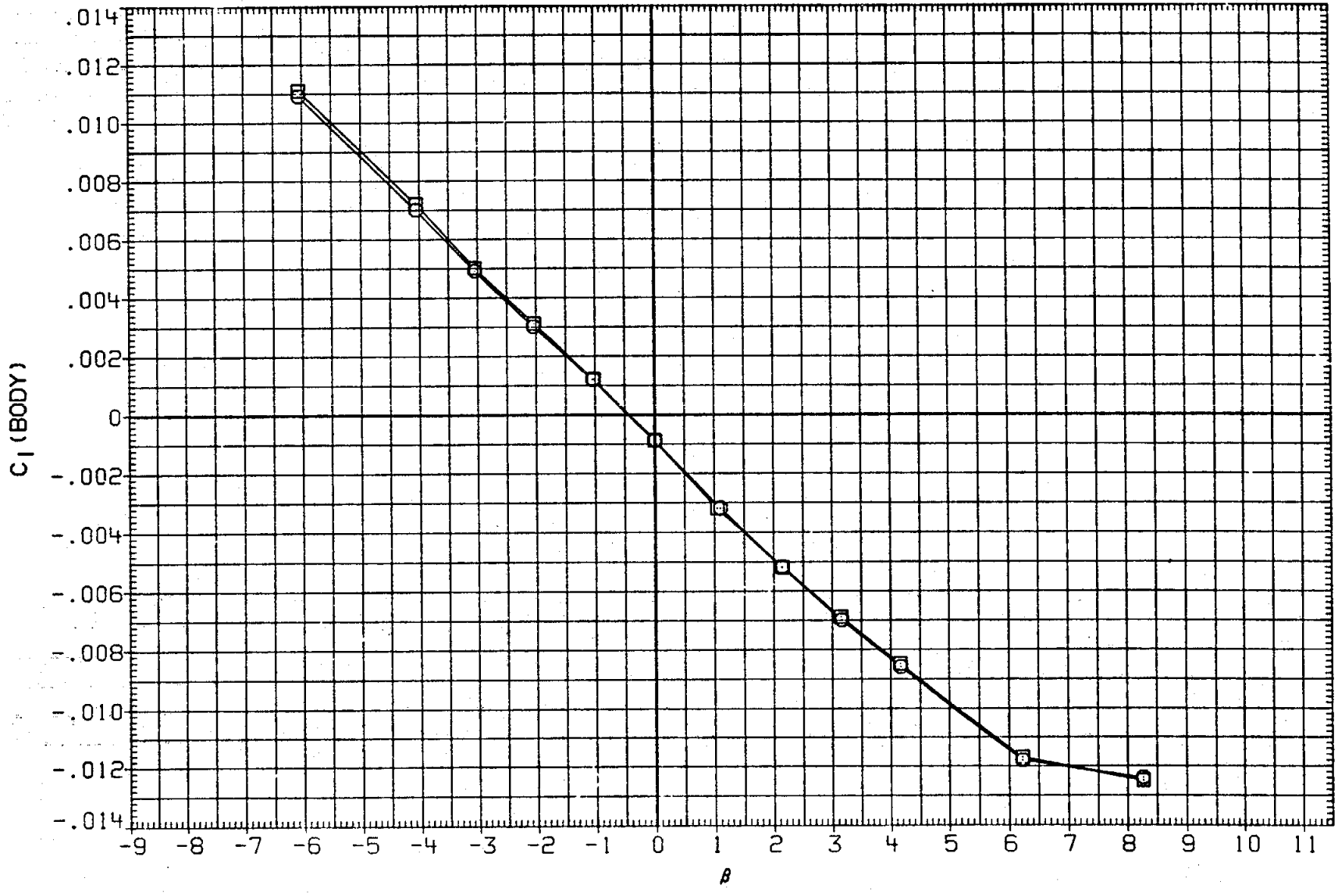

FIGURE 30. (CONTINUED)

DATA SET	SYMBOL	CONFIGURATION
R2E149	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E150	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E151	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E152	△	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E153	▷	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E154	D	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	.000	-6.000	.000
5.000	.000	-4.000	.000
5.000	.000	-2.000	.000
5.000	.000	.000	.000
5.000	.000	8.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

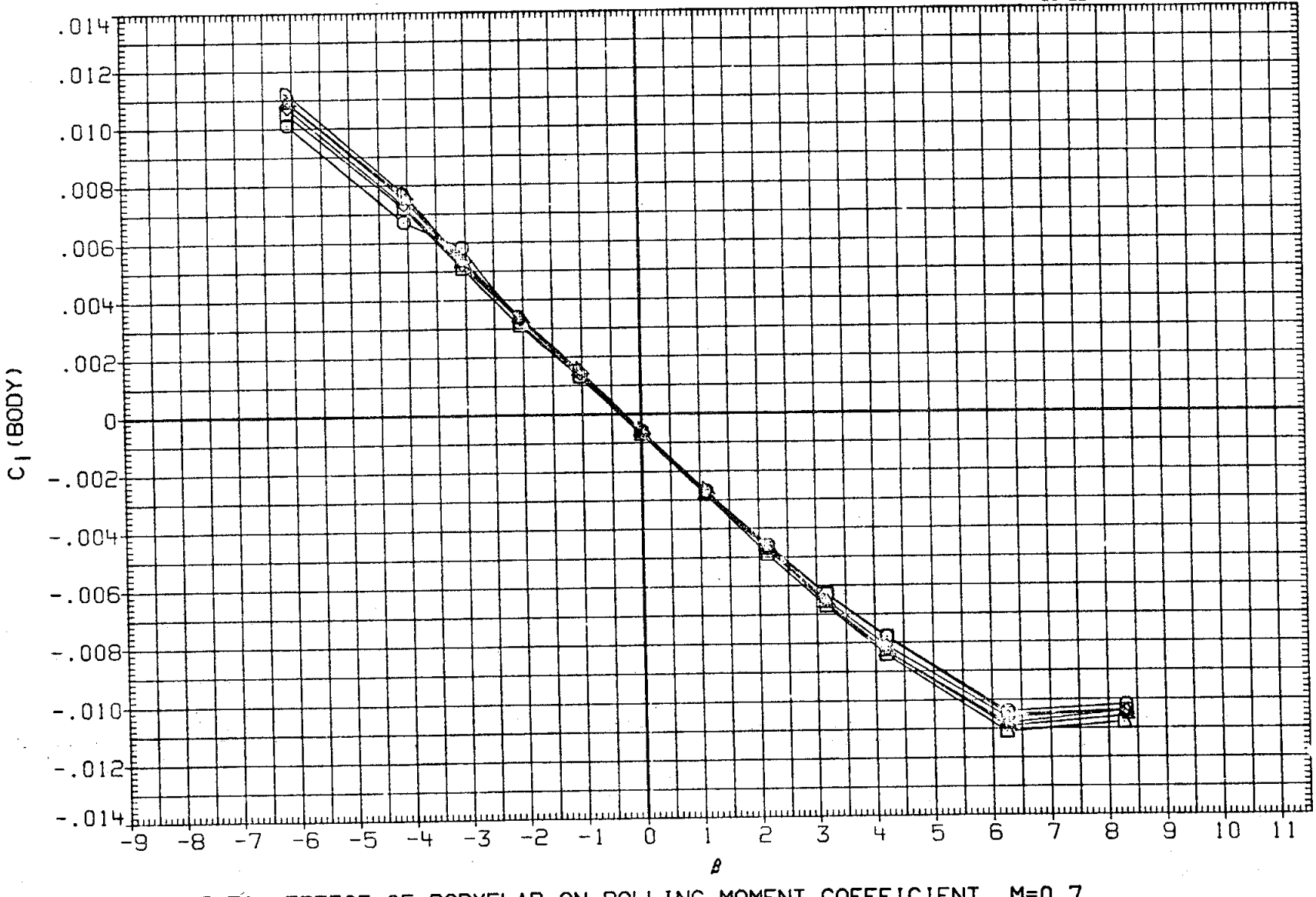

FIGURE 31. EFFECT OF BODYFLAP ON ROLLING MOMENT COEFFICIENT, M=0.7

(A)MACH = .70 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E155	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	16.300	.000
R2E156	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	22.500	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

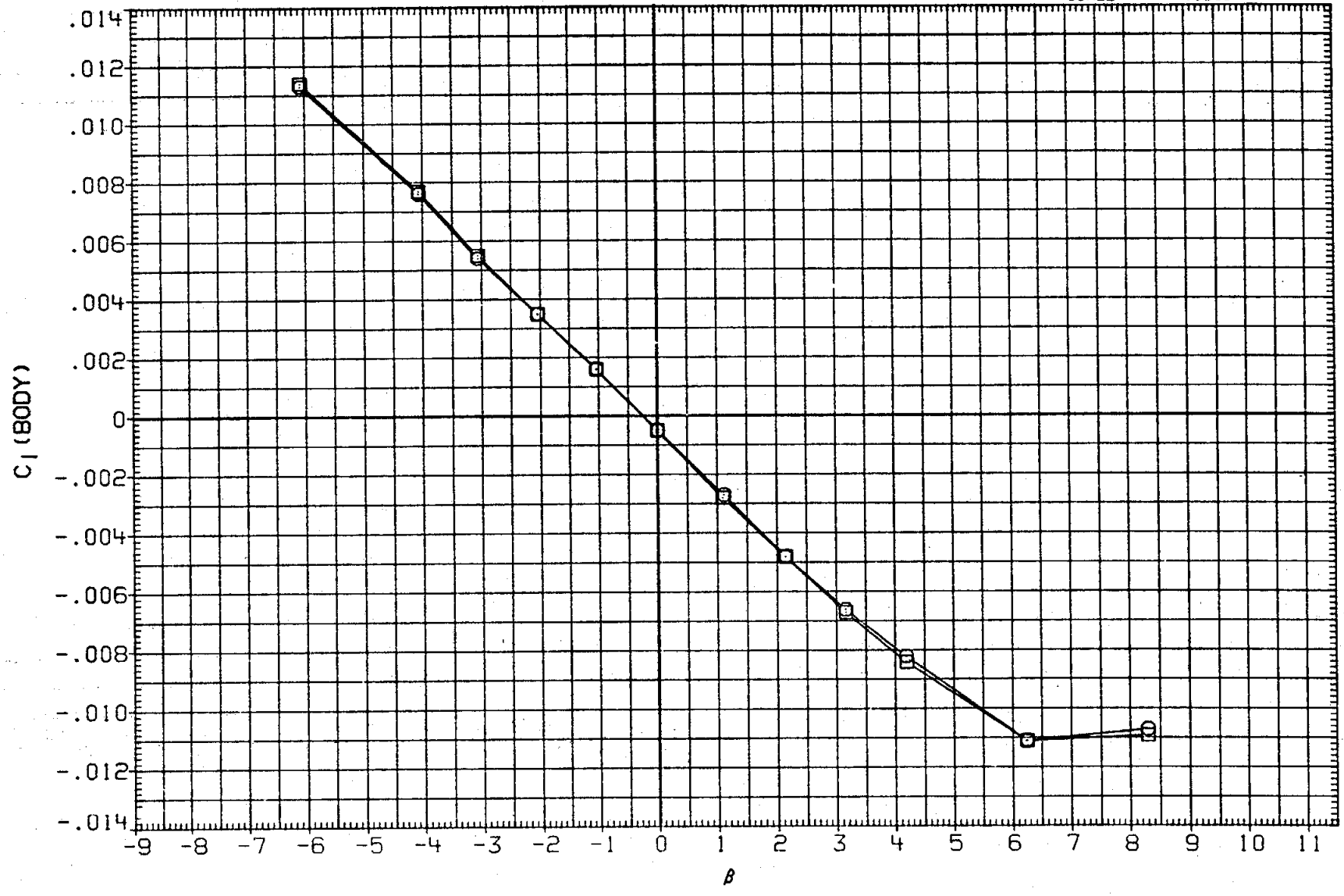

FIGURE 31. (CONTINUED)

B2E126 CONFIGURATION ARC 213-1-11 LA89 OV 101 WITH T/C

SYMBOL	MACH	PARAMETRIC VALUES			
○	.399	BETA	.000	GRIT	1.000
□	.599	ELEVON	.000		
◇	.699	SPOBRK	.000		
		BDFLAP	-11.700		
		RN/L	5.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

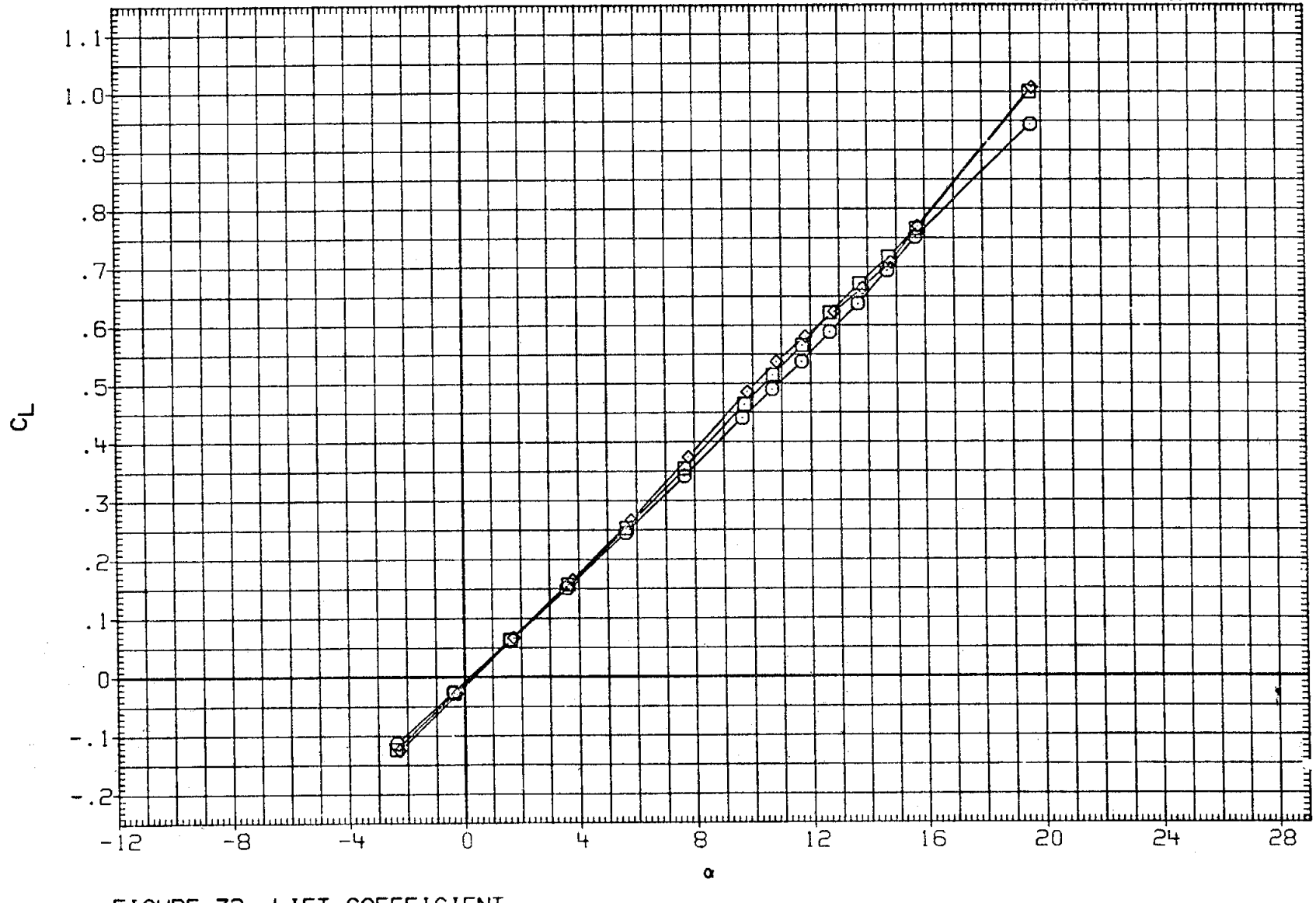

FIGURE 32. LIFT COEFFICIENT

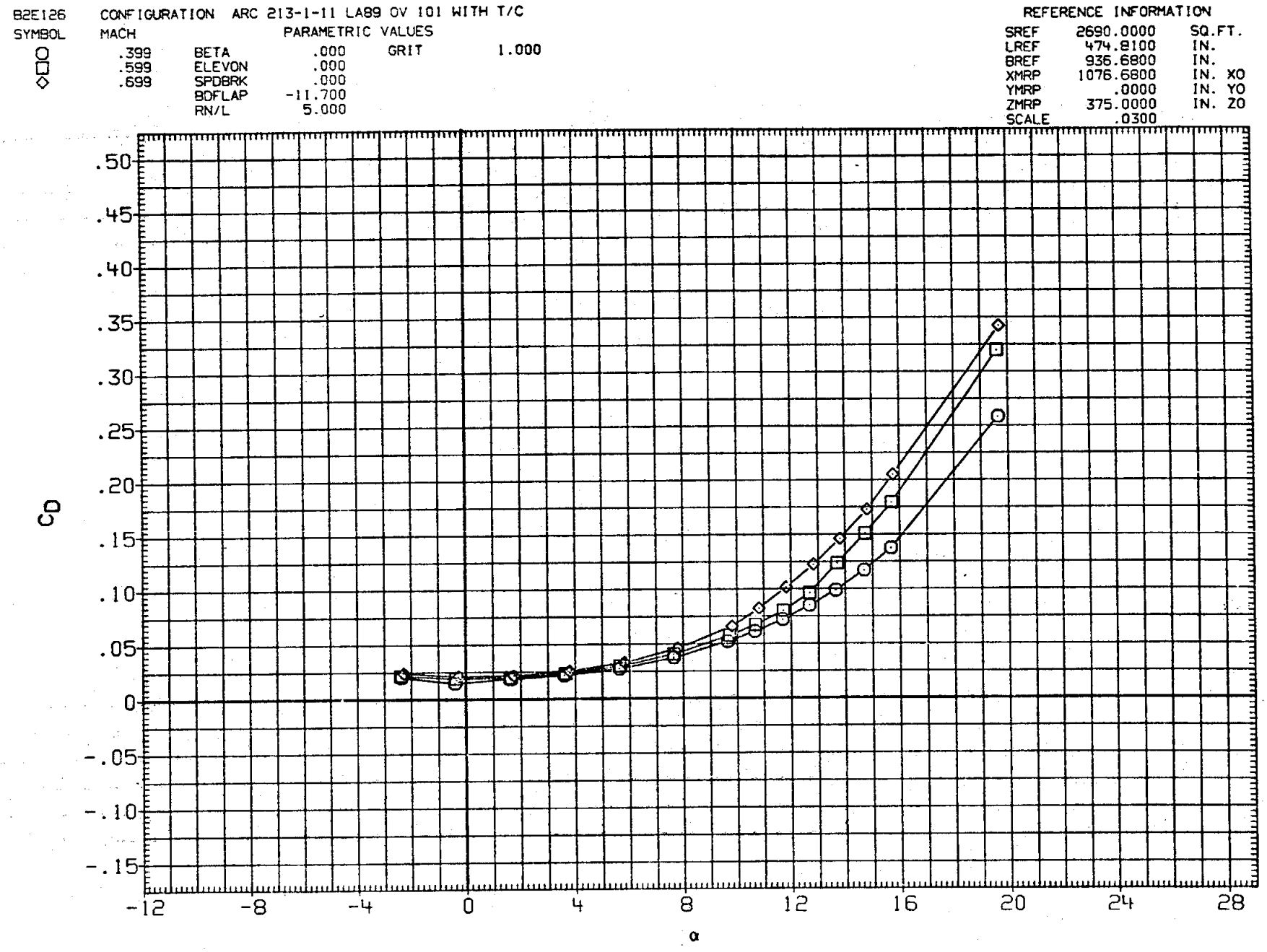

FIGURE 33. DRAG COEFFICIENT

B2E126 CONFIGURATION ARC 213-1-11 LA89 OV 101 WITH T/C

SYMBOL	MACH	PARAMETRIC VALUES			
○	.399	BETA	.000	GRIT	1.000
□	.599	ELEVON	.000		
◇	.699	SPDBRK	.000		
		BDFLAP	-11.700		
		RN/L	5.000		

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

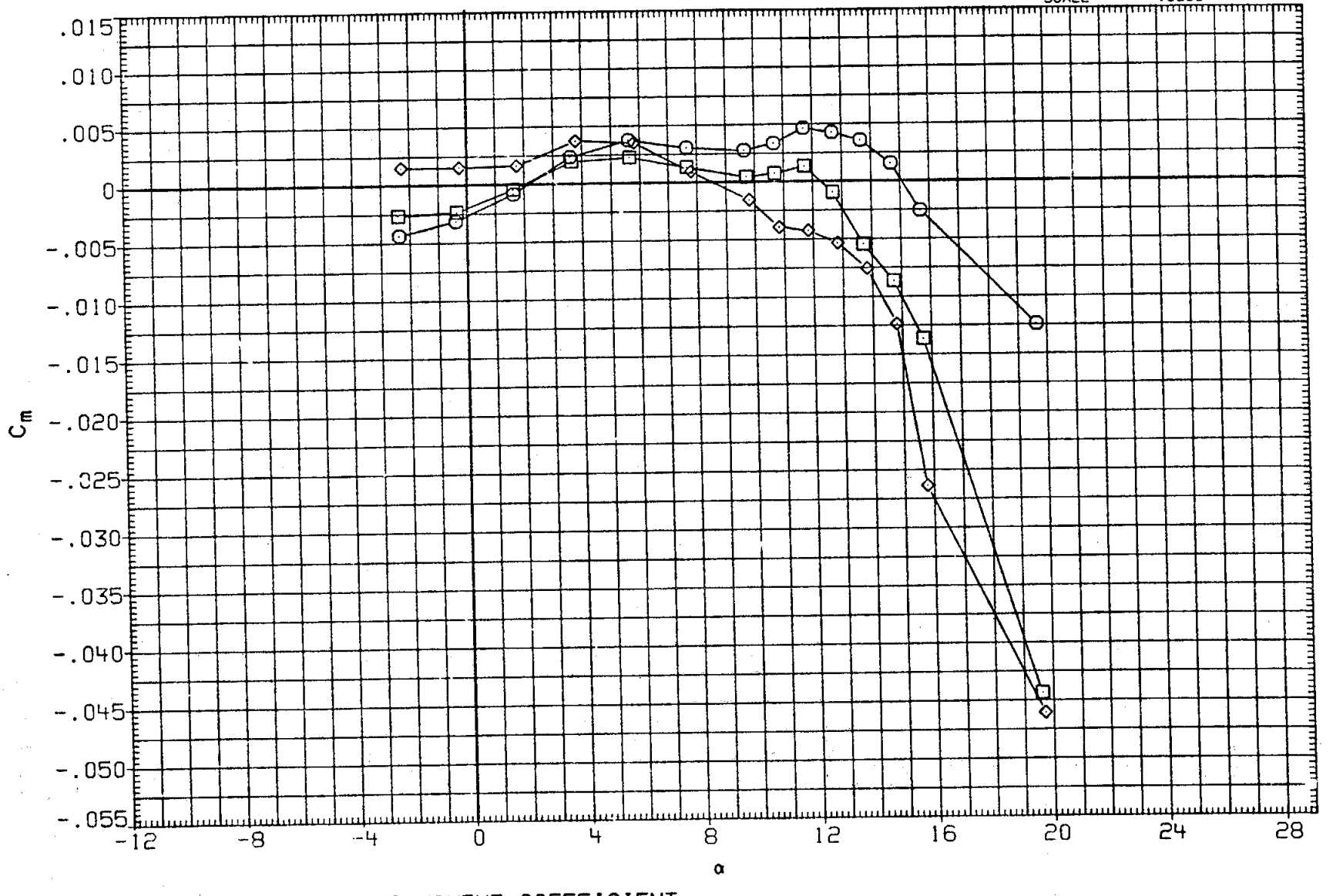

FIGURE 34. PITCHING MOMENT COEFFICIENT

DATE 23 SEP 77

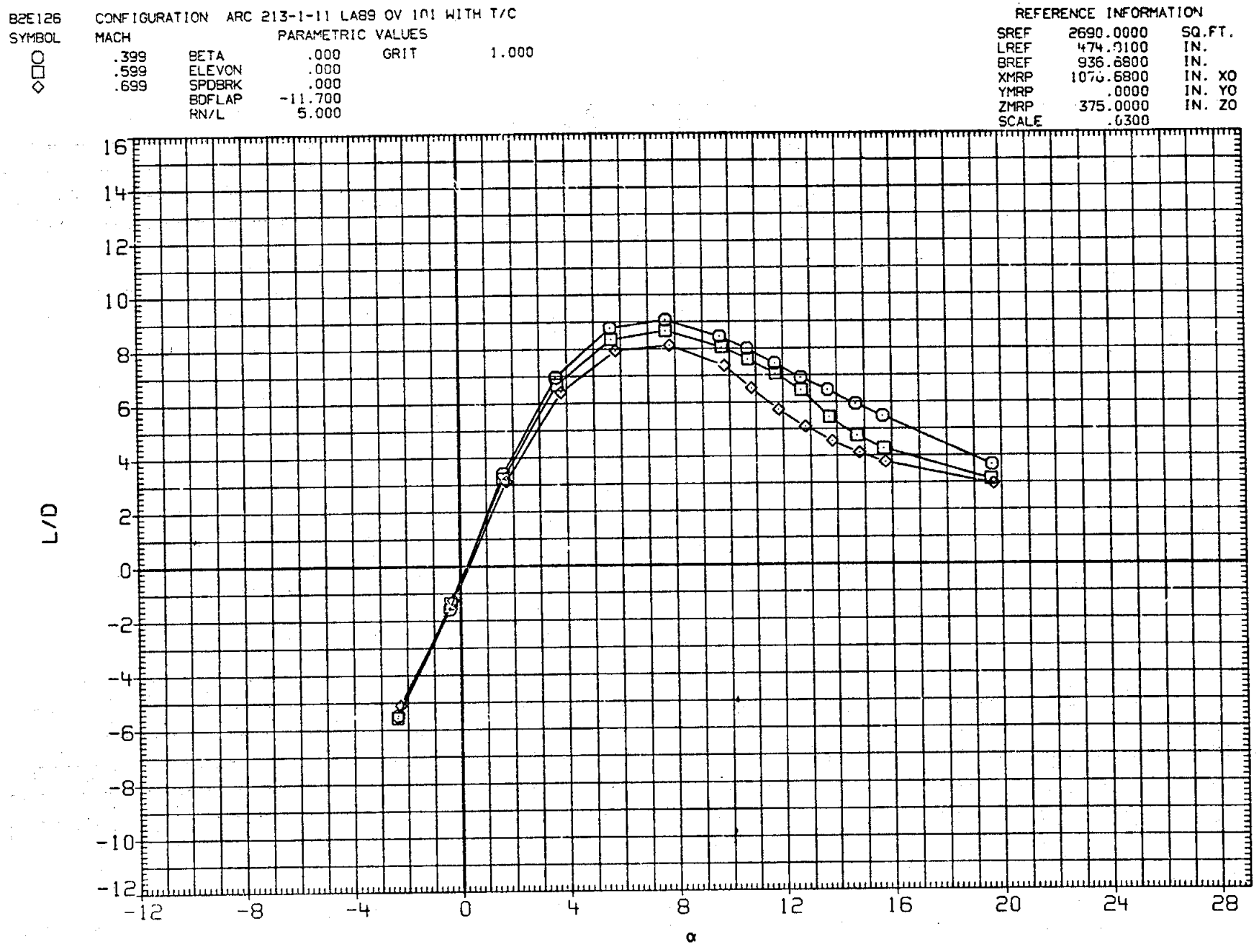

FIGURE 35. LIFT-TO-DRAG RATIO

B2E122
SYMBOL

CONFIGURATION ARC 213-1-11 LA89 OV 101 WITH T/C

MACH	PARAMETRIC VALUES	
.400	ALPHA	10.000
.599	BETA	.000
.699	ELEVON	.000
	SPDBRK	.000
	RN/L	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

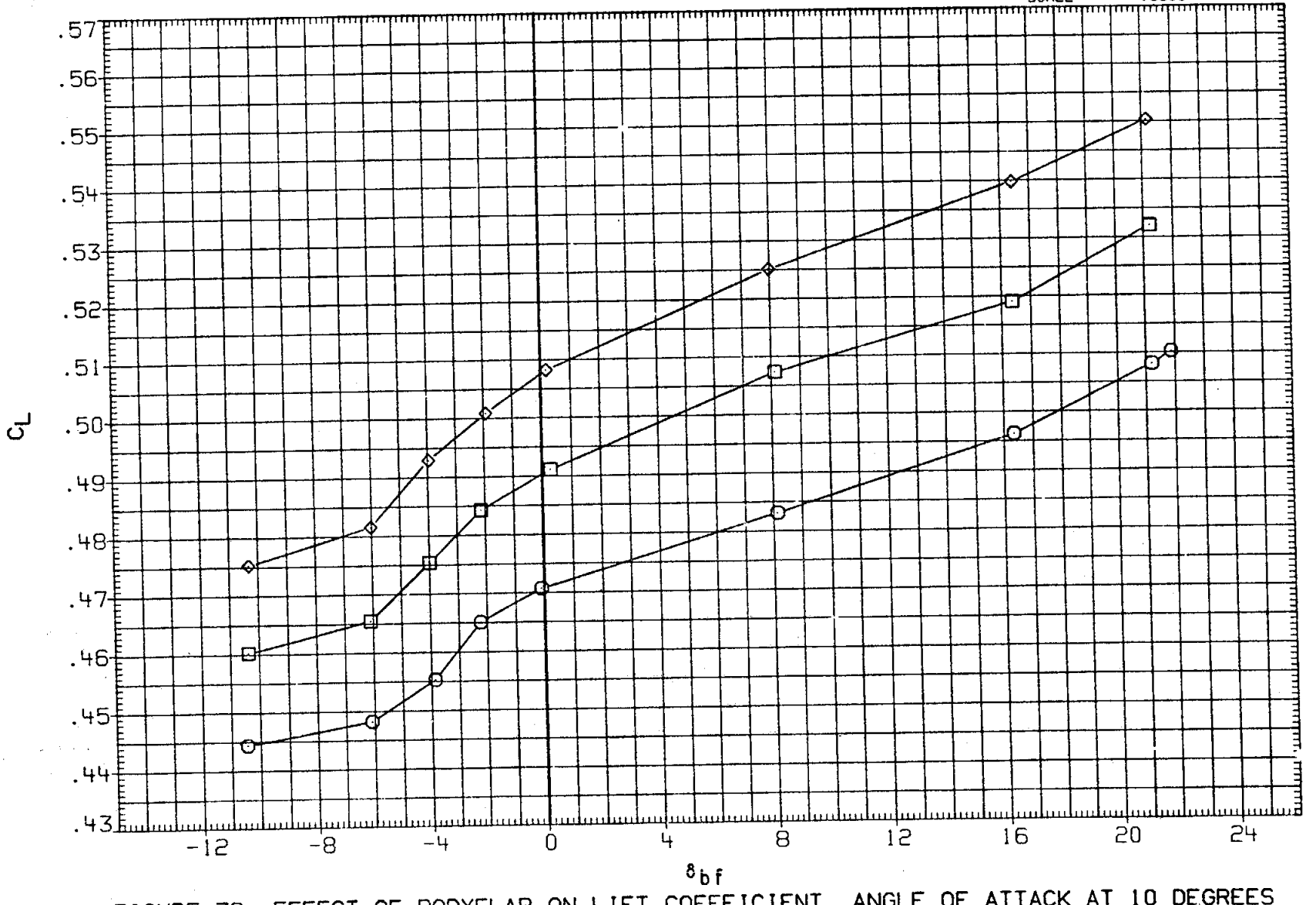

FIGURE 36. EFFECT OF BODYFLAP ON LIFT COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES

DATE 23 SEP 77

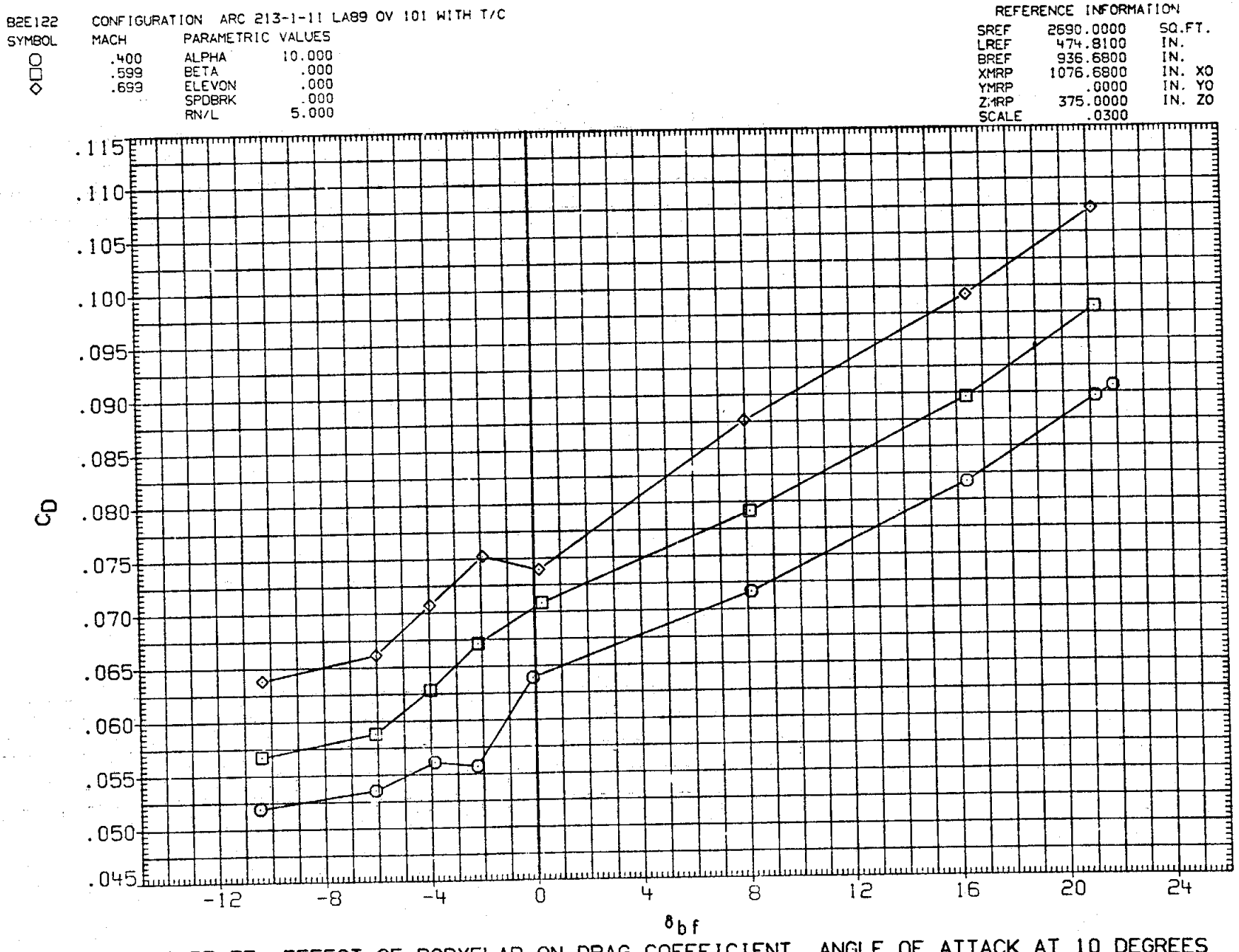

FIGURE 37. EFFECT OF BODYFLAP ON DRAG COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES

B2E122 CONFIGURATION ARC 213-1-11 LA89 OV 101 WITH T/C

SYMBOL	MACH	PARAMETRIC VALUES	
○	.400	ALPHA	10.000
□	.599	BETA	.000
◇	.699	ELEVON	.000
		SPDBRK	.000
		RN/L	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

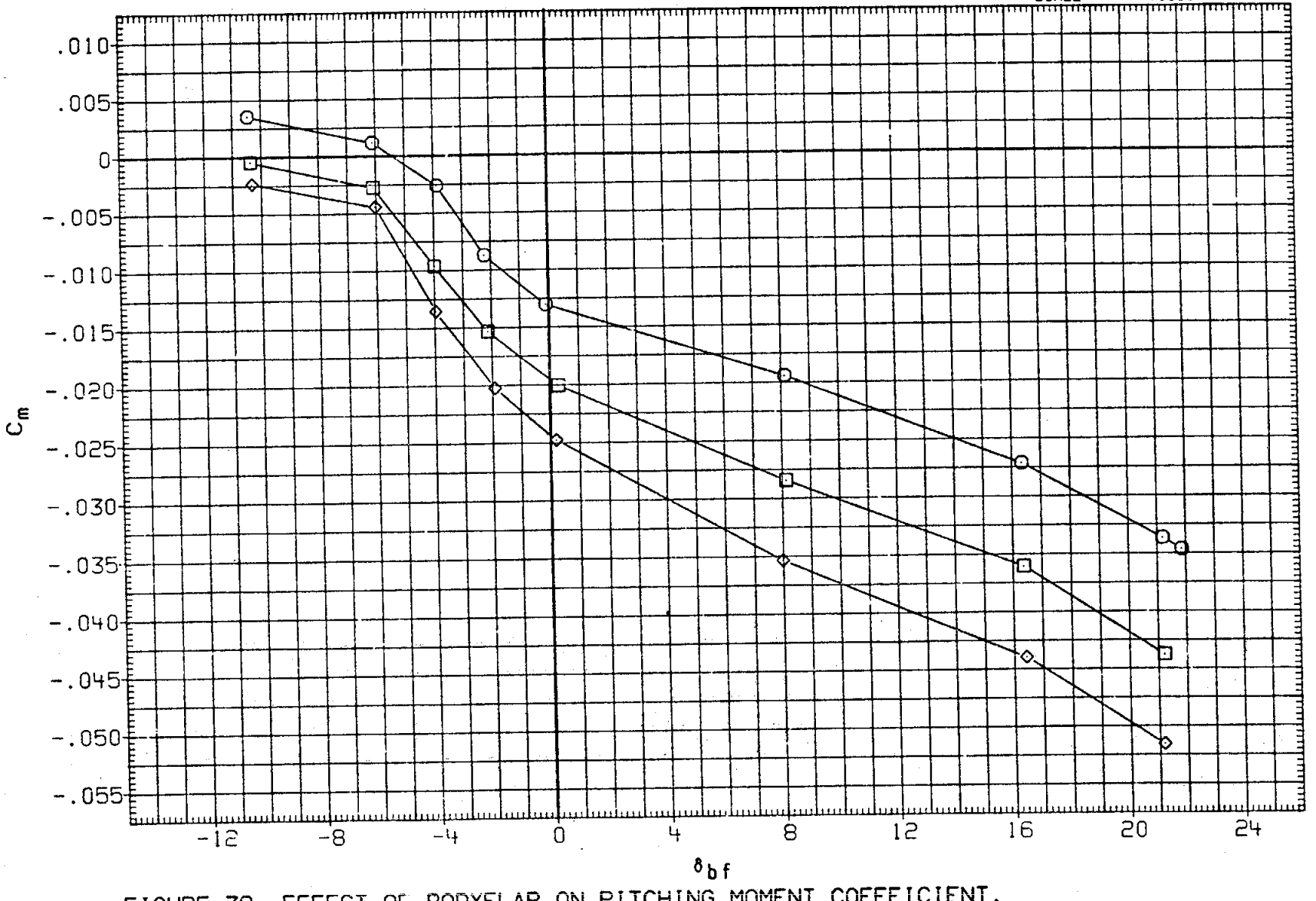

FIGURE 38. EFFECT OF BODYFLAP ON PITCHING MOMENT COEFFICIENT, ANGLE OF ATTACK AT 10 DEGREES

DATE 23 SEP 77

B2E122 CONFIGURATION ARC 213-1-11 LA89 OV 101 WITH T/C

SYMBOL	MACH	PARAMETRIC VALUES	
○	.400	ALPHA	10.000
□	.599	BETA	.000
◇	.699	ELEVON	.000
		SPDBRK	.000
		RN/L	5.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

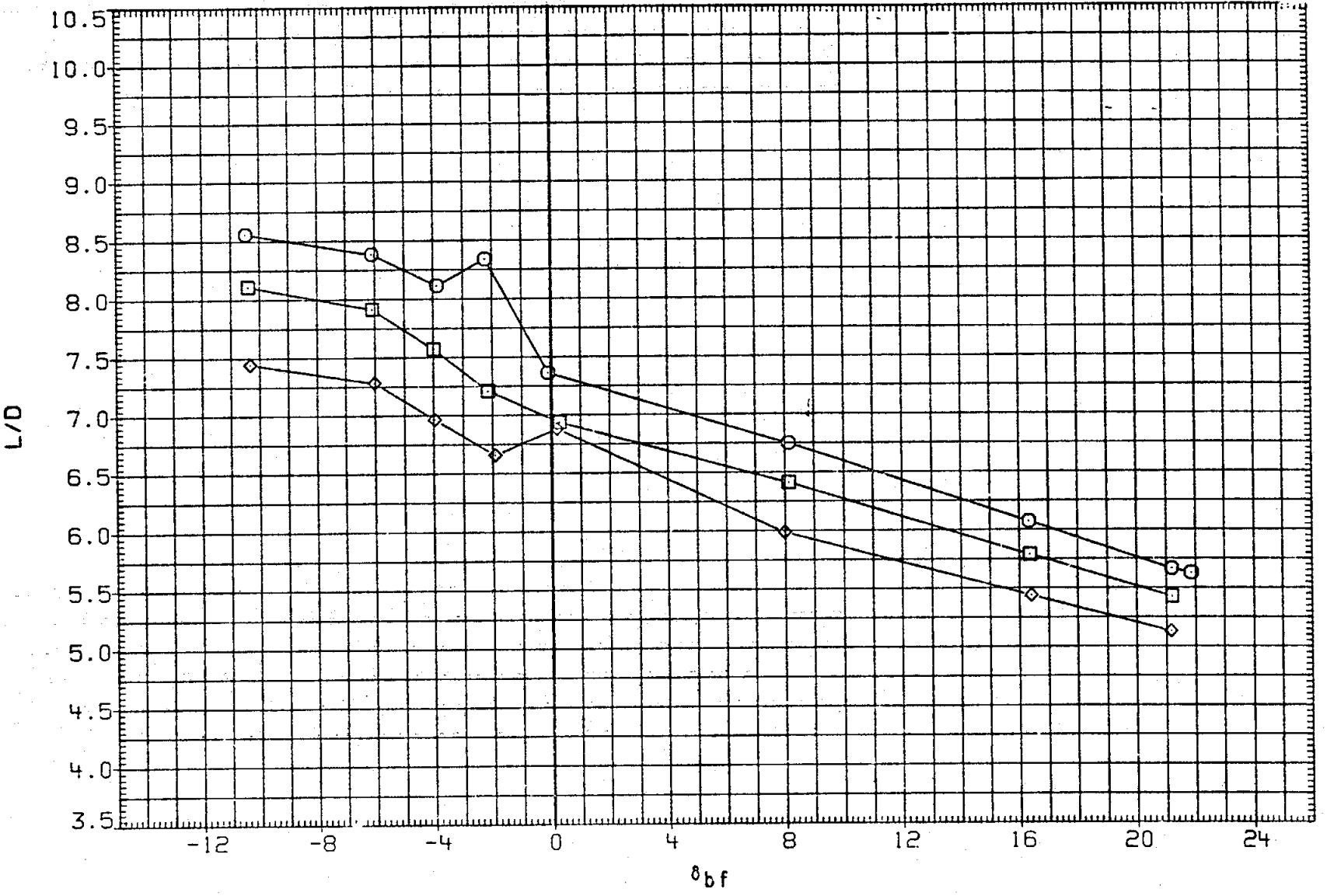

FIGURE 39. EFFECT OF BODYFLAP ON LIFT-TO-DRAG RATIO, ANGLE OF ATTACK AT 10 DEGREES

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E129	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E176	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E179	△	ARC 213-1-11 LA89 OV 101 WITH T/C

RN/L	SPDBRK	BETA	ELEVON	BDFLAP
5.000	.000	.000	.000	-11.700
5.000	.000	.000	.000	-11.700
3.750	.000	.000	.000	-11.700
2.500	.000	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

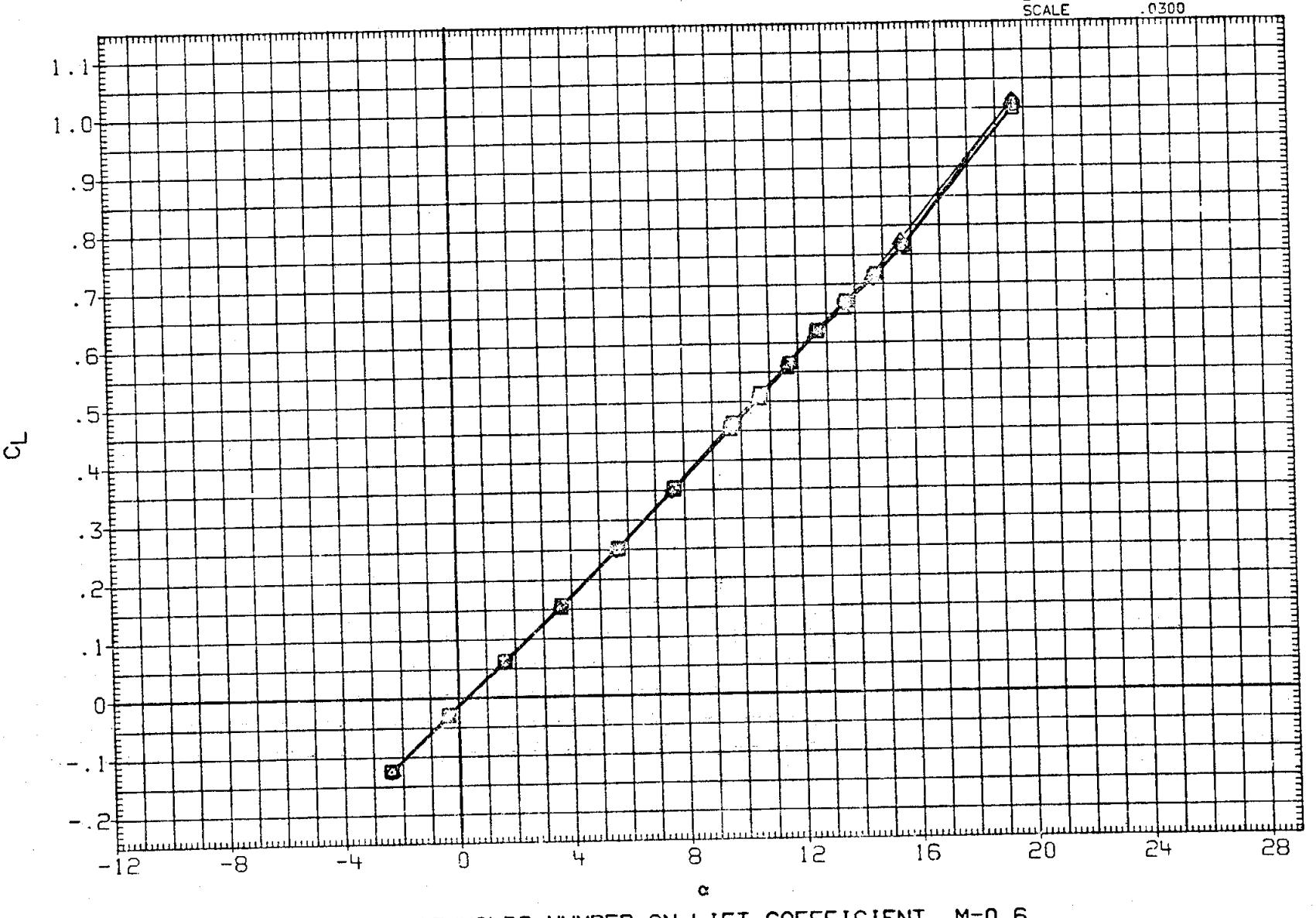

FIGURE 40. EFFECT OF REYNOLDS NUMBER ON LIFT COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E129	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E176	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E179	△	ARC 213-1-11 LA89 OV 101 WITH T/C

RN/L	SPDBRK	BETA	ELEVON	BDFLAP
5.000	.000	.000	.000	-11.700
5.000	.000	.000	.000	-11.700
3.750	.000	.000	.000	-11.700
2.500	.000	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

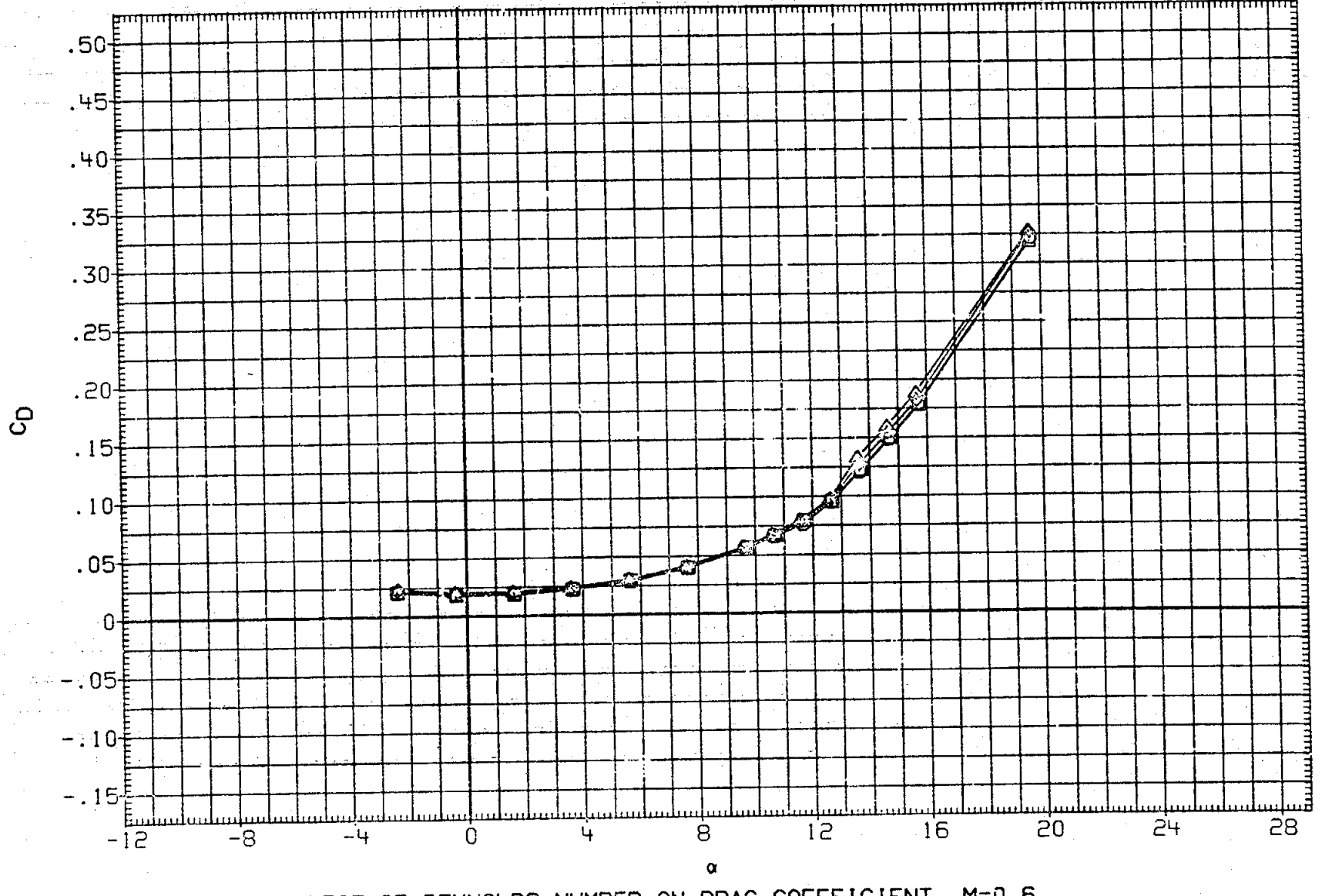

FIGURE 41. EFFECT OF REYNOLDS NUMBER ON DRAG COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E129	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E176	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E179	△	ARC 213-1-11 LA89 OV 101 WITH T/C

RN/L	SPDBRK	BETA	ELEVON	BDFLAP
5.000	.000	.000	.000	-11.700
5.000	.000	.000	.000	-11.700
3.750	.000	.000	.000	-11.700
2.500	.000	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

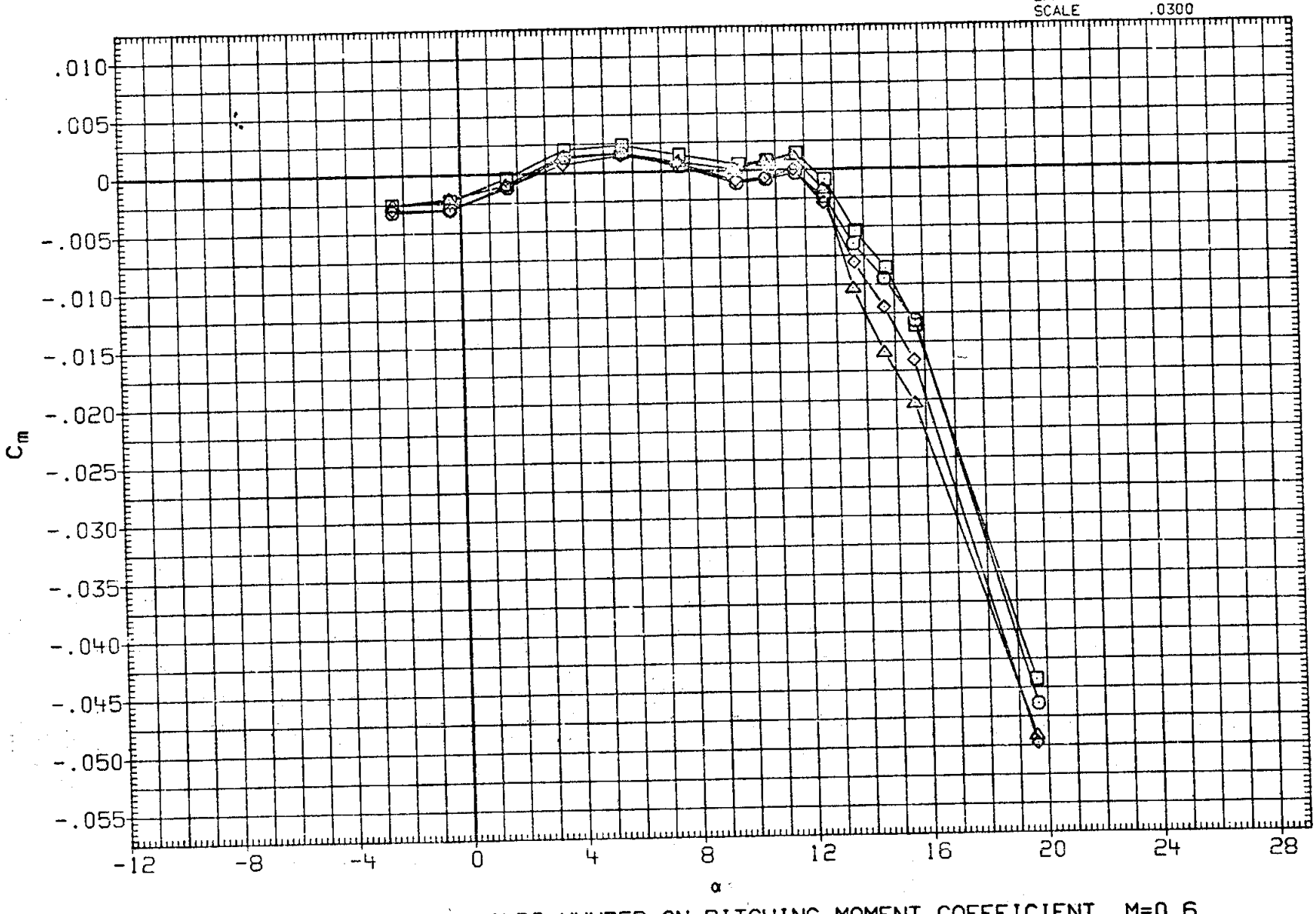

FIGURE 42. EFFECT OF REYNOLDS NUMBER ON PITCHING MOMENT COEFFICIENT, M=0.6

MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E129	□	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E176	◇	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E179	△	ARC 213-1-11 LA89 OV 101 WITH T/C

RN/L	SPDBRK	BETA	ELEVON	BDFLAP
5.000	.000	.000	.000	-11.700
5.000	.000	.000	.000	-11.700
3.750	.000	.000	.000	-11.700
2.500	.000	.000	.000	-11.700

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

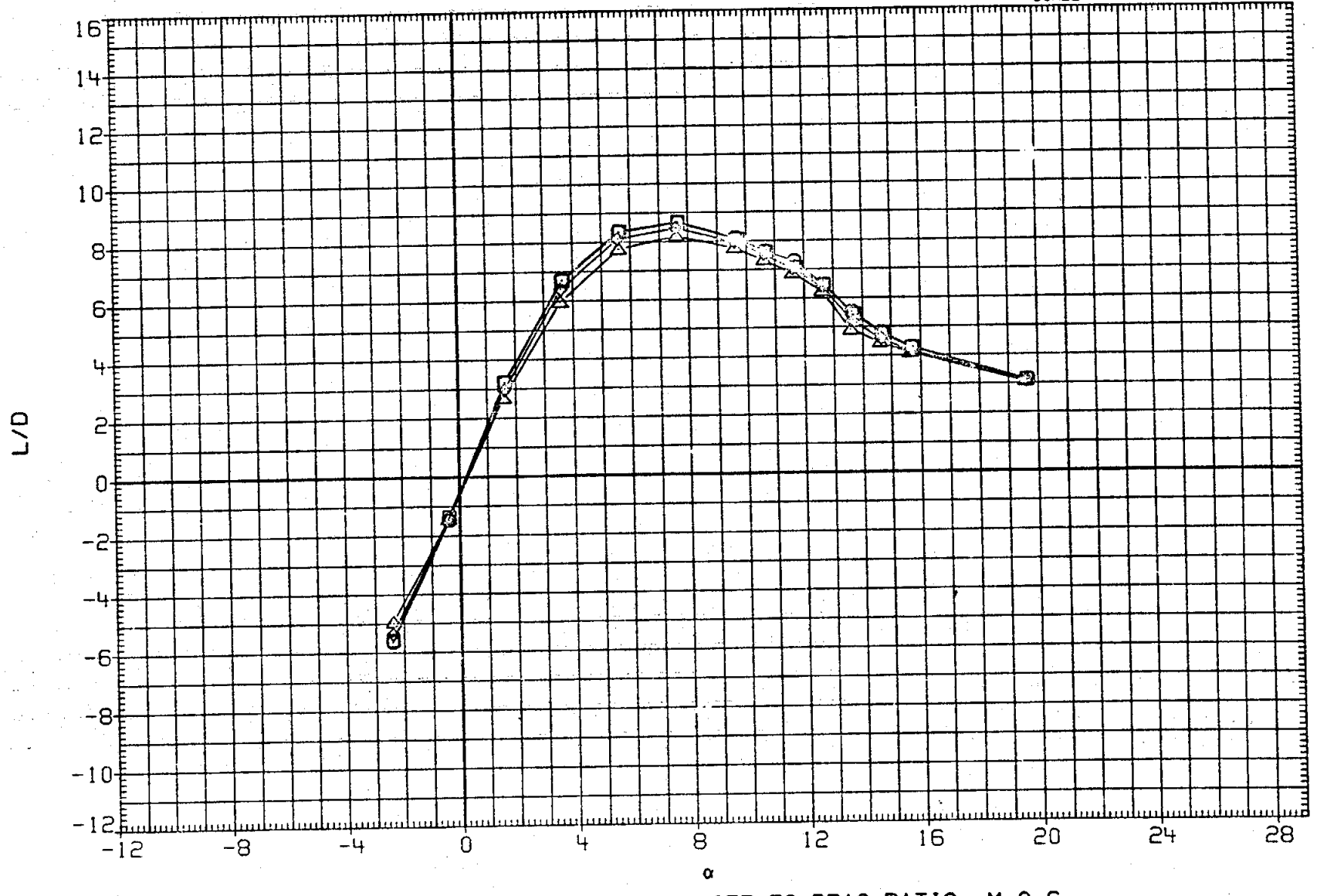

FIGURE 43. EFFECT OF REYNOLDS NUMBER ON LIFT-TO-DRAG RATIO, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E114	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E200	□	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
5.000	7.500	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

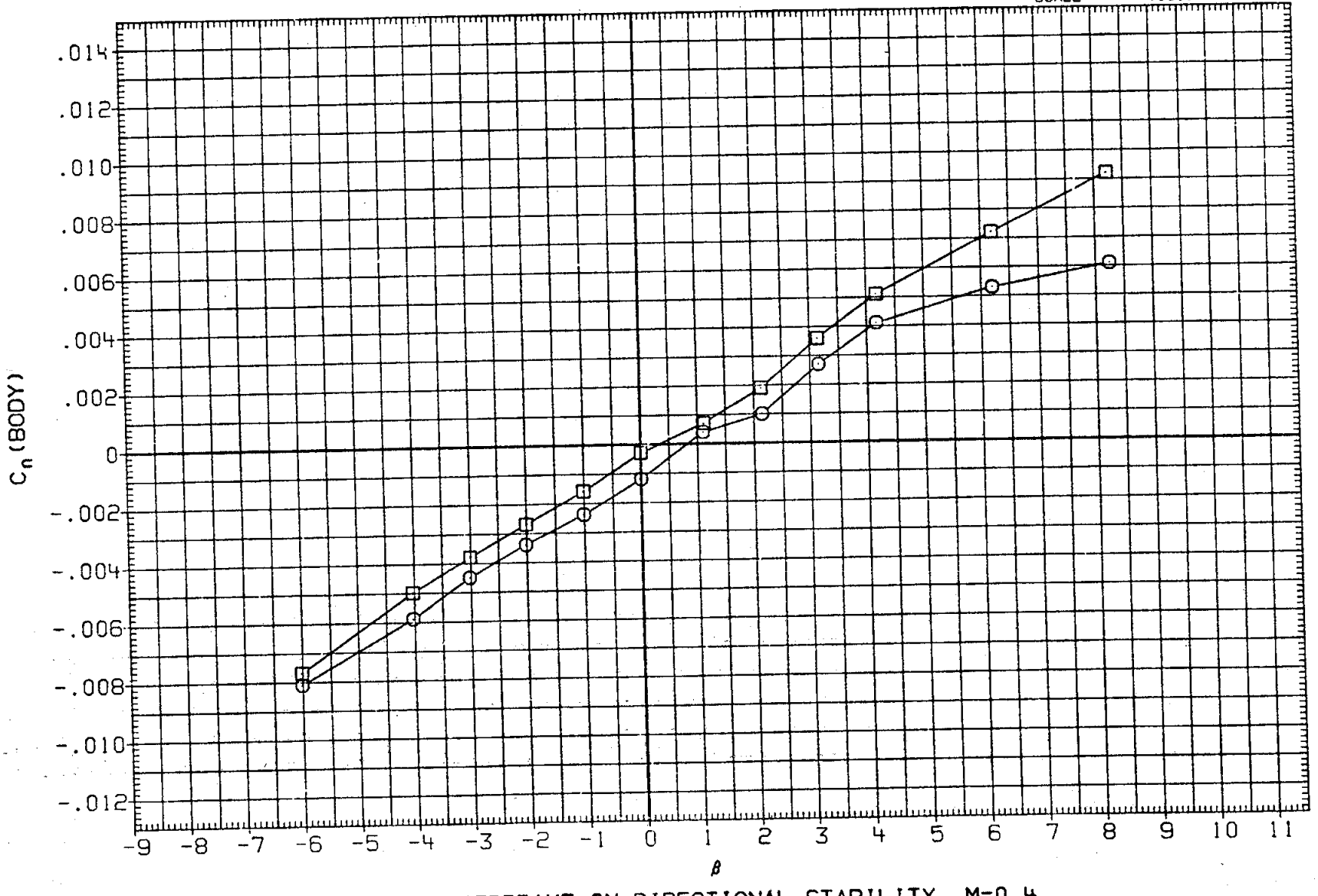

FIGURE 44. EFFECT OF SPEEDBRAKE ON DIRECTIONAL STABILITY, M=0.4

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E131	○	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	.000	-11.700	.000
R2E194	□	ARC 213-1-11 LA89 OV 101 WITH T/C	5.000	7.500	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

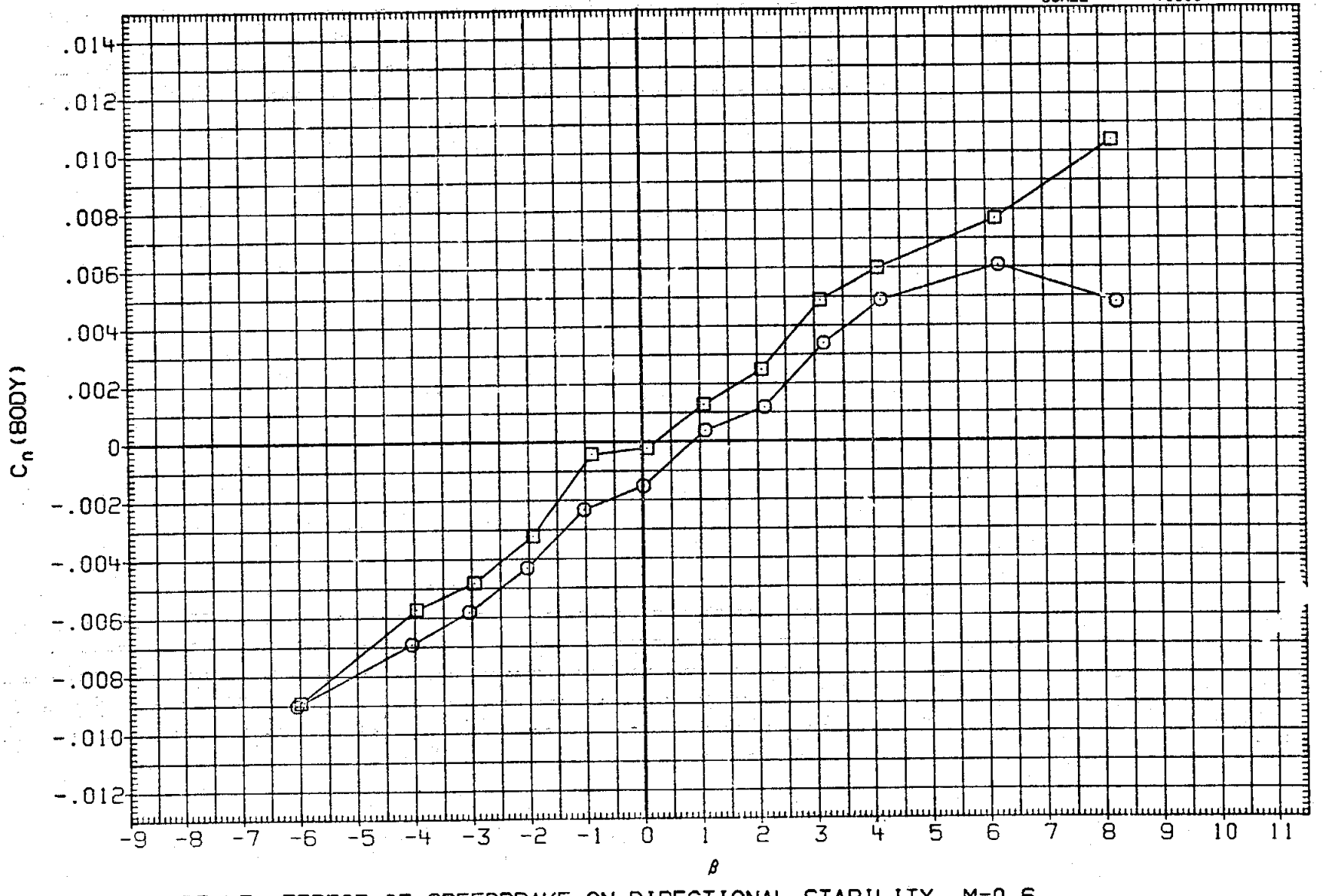

FIGURE 45. EFFECT OF SPEEDBRAKE ON DIRECTIONAL STABILITY, M=0.6

DATA SET	SYMBOL	CONFIGURATION
R2E149	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E188	□	ARC 213-1-11 LA89 OV 101 WITH T/C

ALPHA	SPDBRK	BDFLAP	ELEVON
5.000	.000	-11.700	.000
0.000	7.500	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

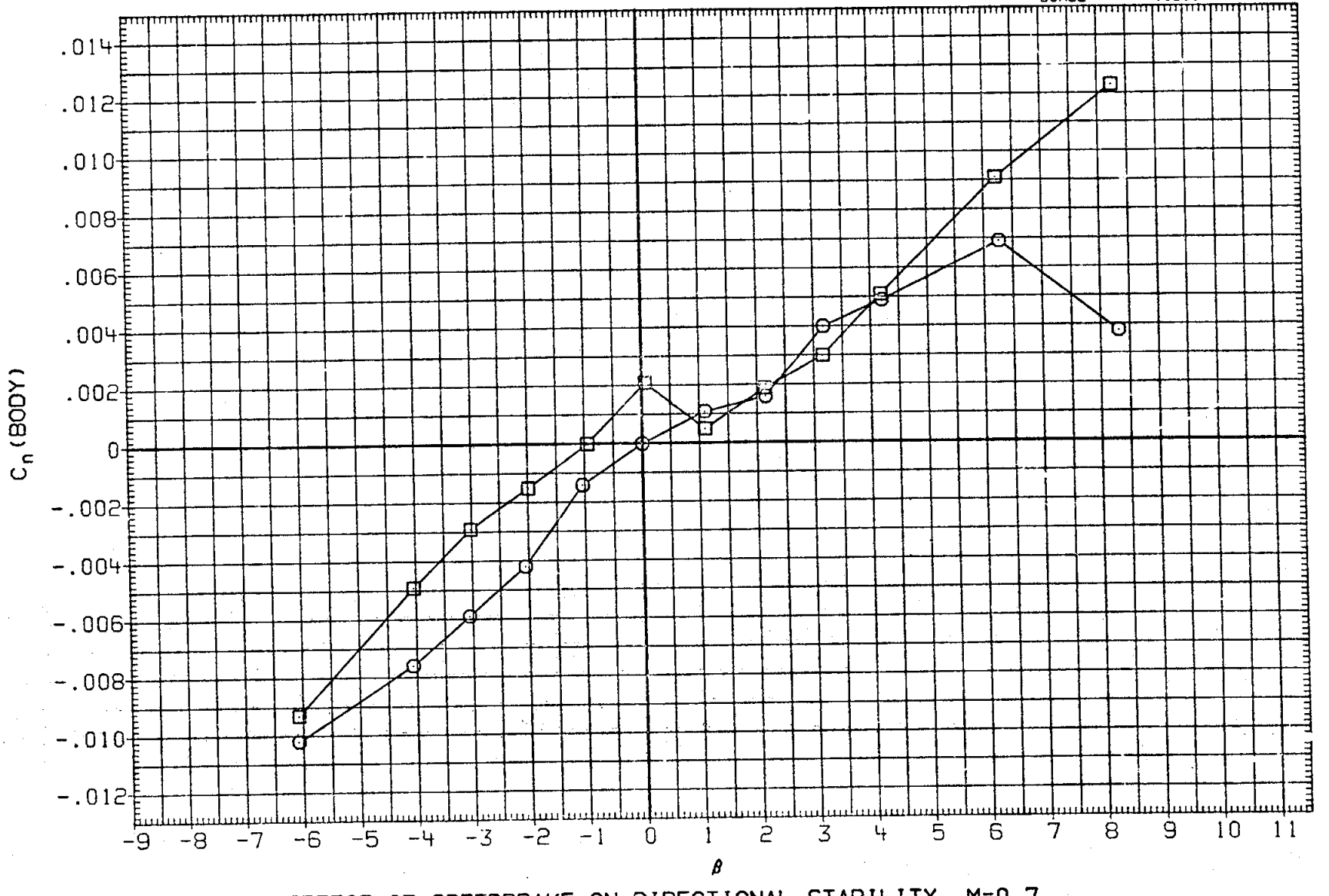

FIGURE 46. EFFECT OF SPEEDBRAKE ON DIRECTIONAL STABILITY, M=0.7

(A)MACH = .70

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	BDFLAP	ELEVON
R2E126	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	.000	-11.700	.000
R2E205	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C	.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6900	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

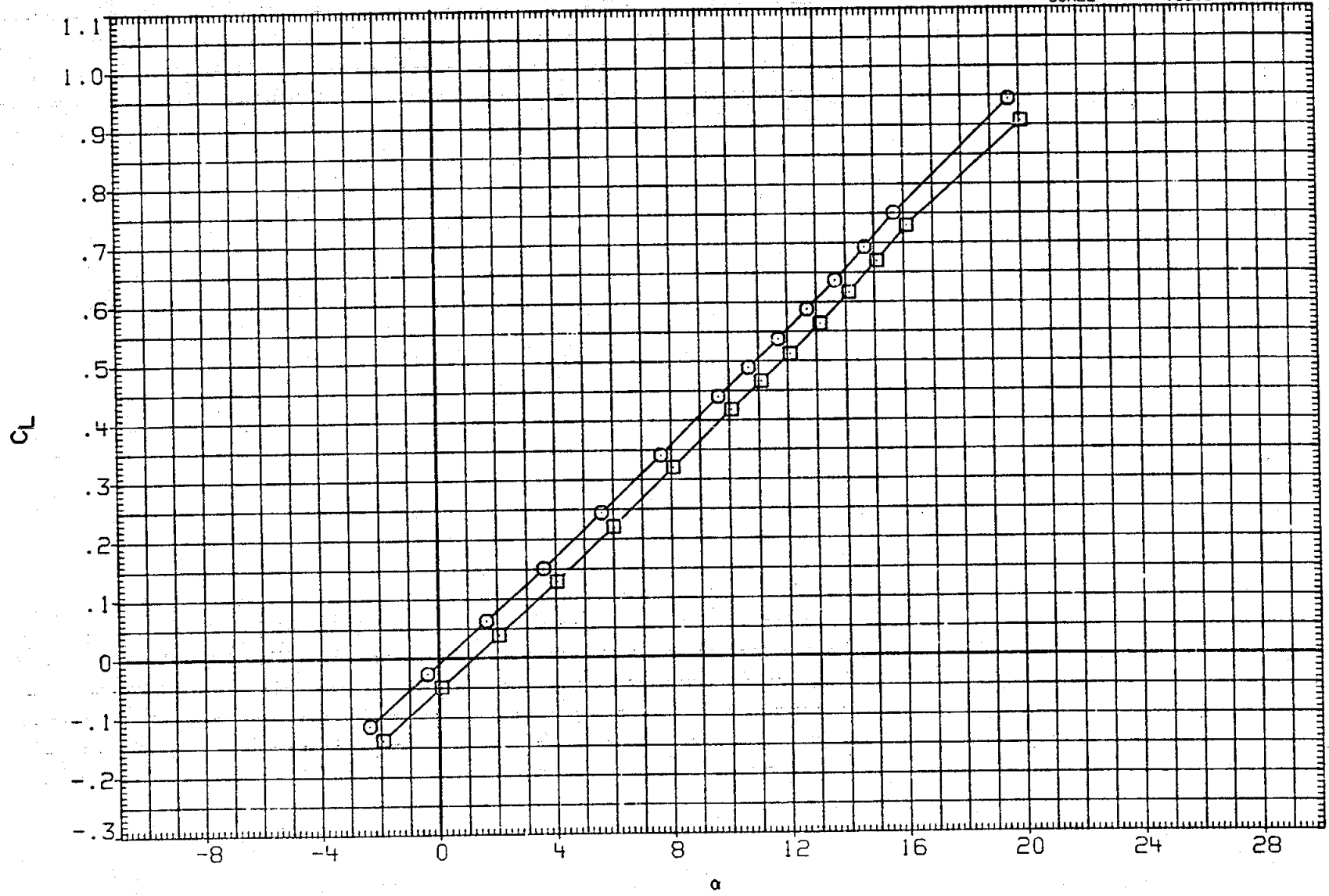

FIGURE 47. EFFECT OF TAILCONE ON LIFT COEFFICIENT, M=0.4

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E208	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2590.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

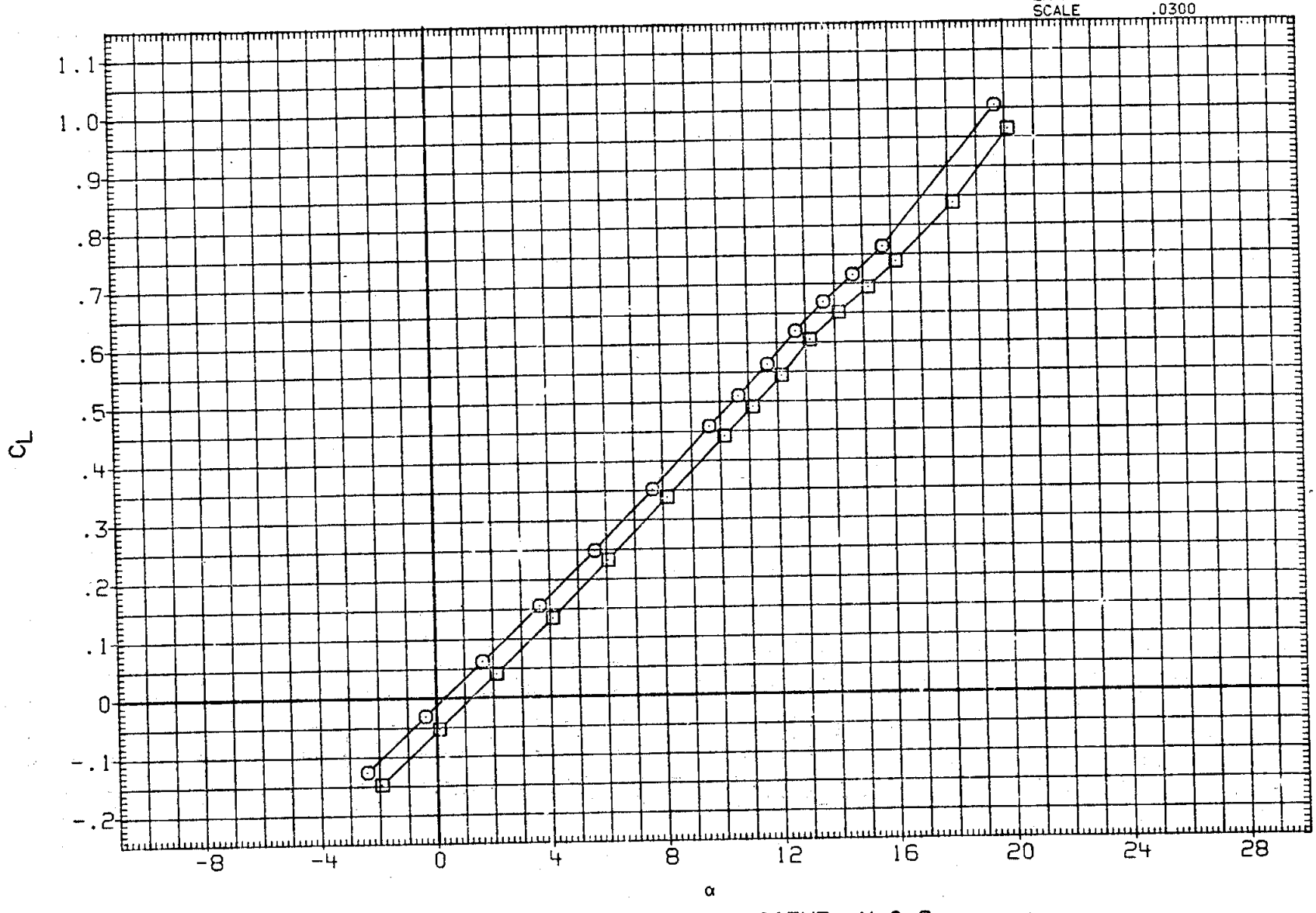

FIGURE 48. EFFECT OF TAILCONE ON LIFT COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E173	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E213	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

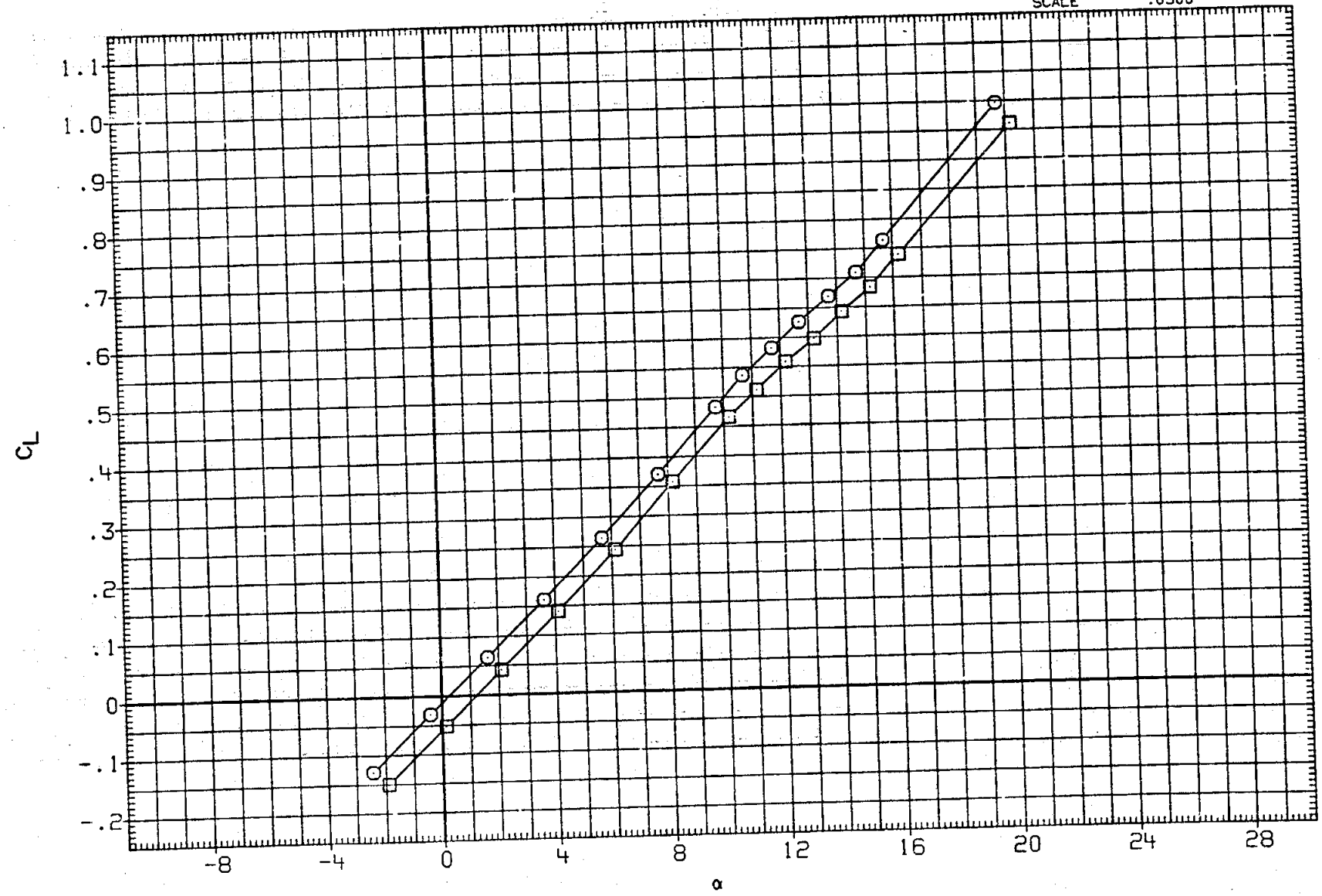

FIGURE 49. EFFECT OF TAILCONE ON LIFT COEFFICIENT, M=0.7

(A)MACH = .70

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E126	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E205	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

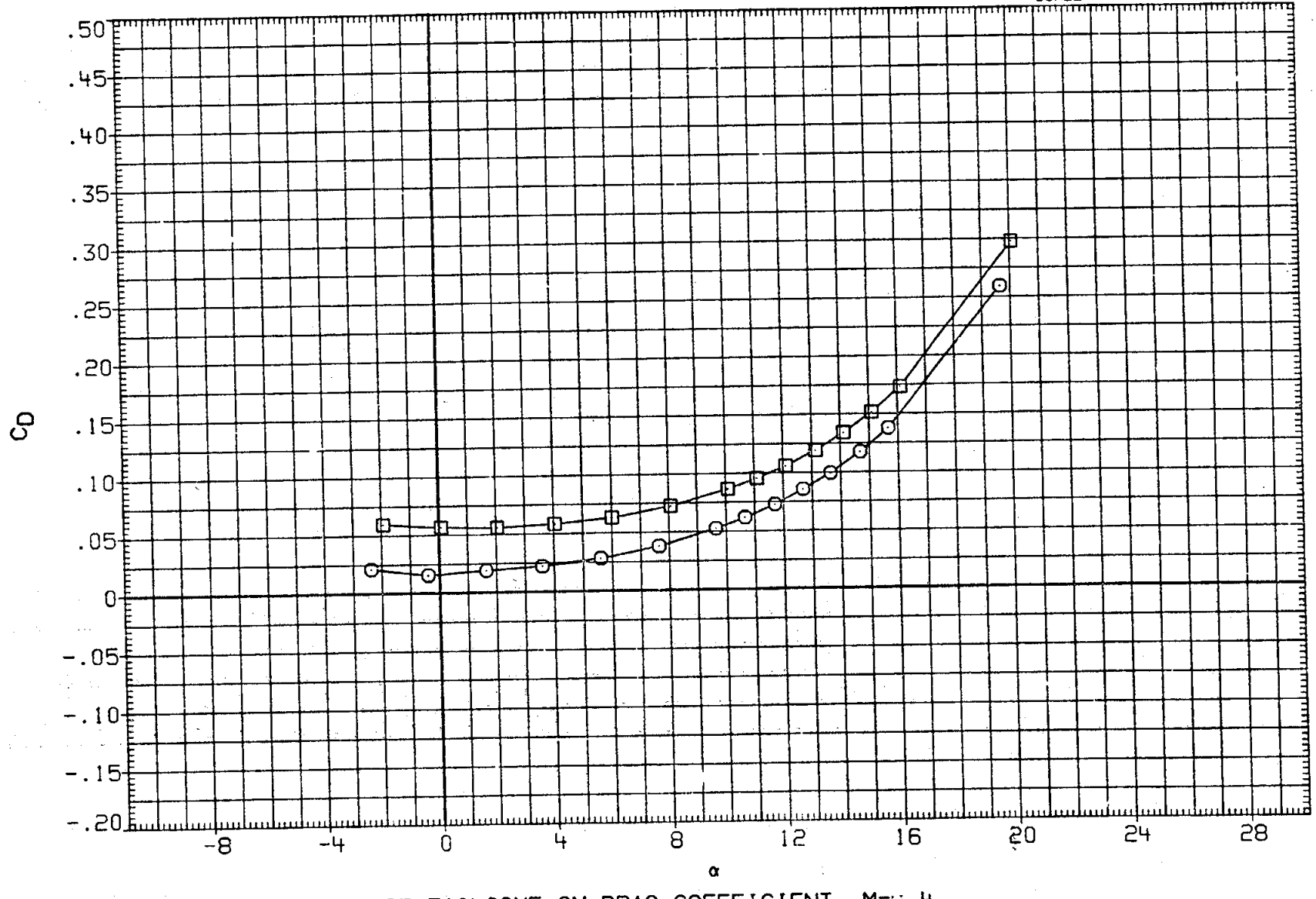

FIGURE 50. EFFECT OF TAILCONE ON DRAG COEFFICIENT, M=[illegible].4

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E208	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPOBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

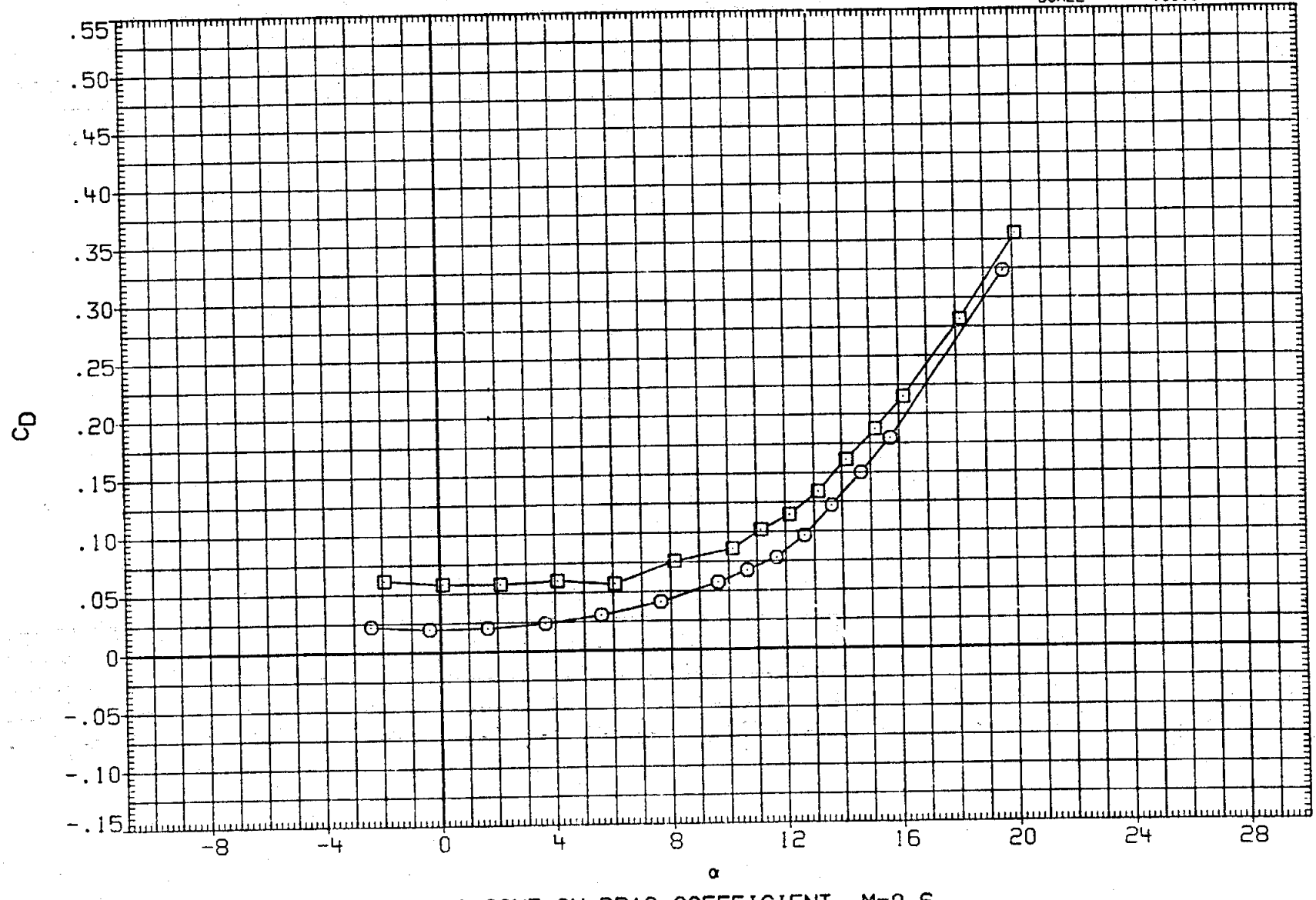

FIGURE 51. EFFECT OF TAILCONE ON DRAG COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E173	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E213	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

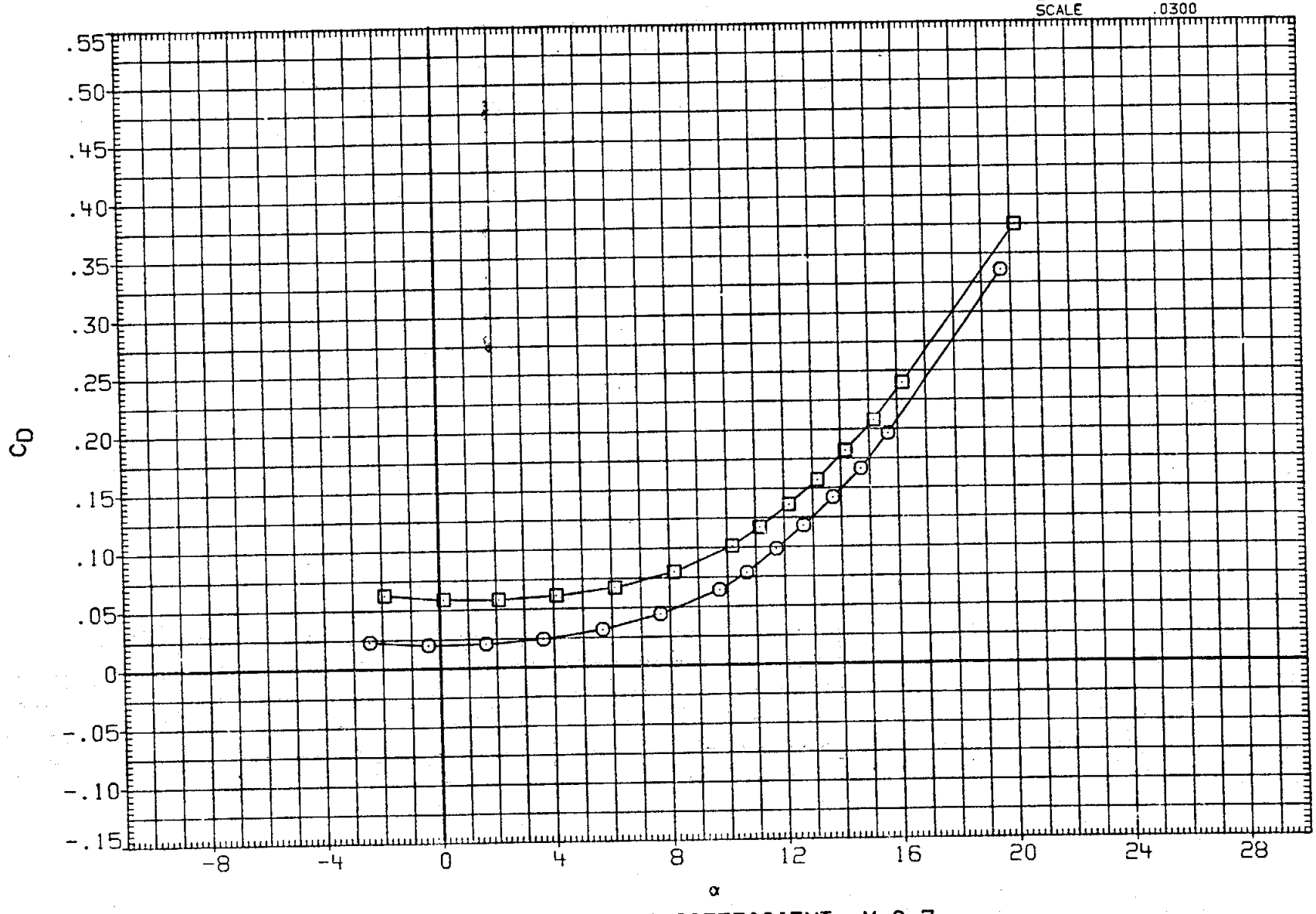

FIGURE 52. EFFECT OF TAILCONE ON DRAG COEFFICIENT, M=0.7

(A)MACH = .70

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E126	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E205	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

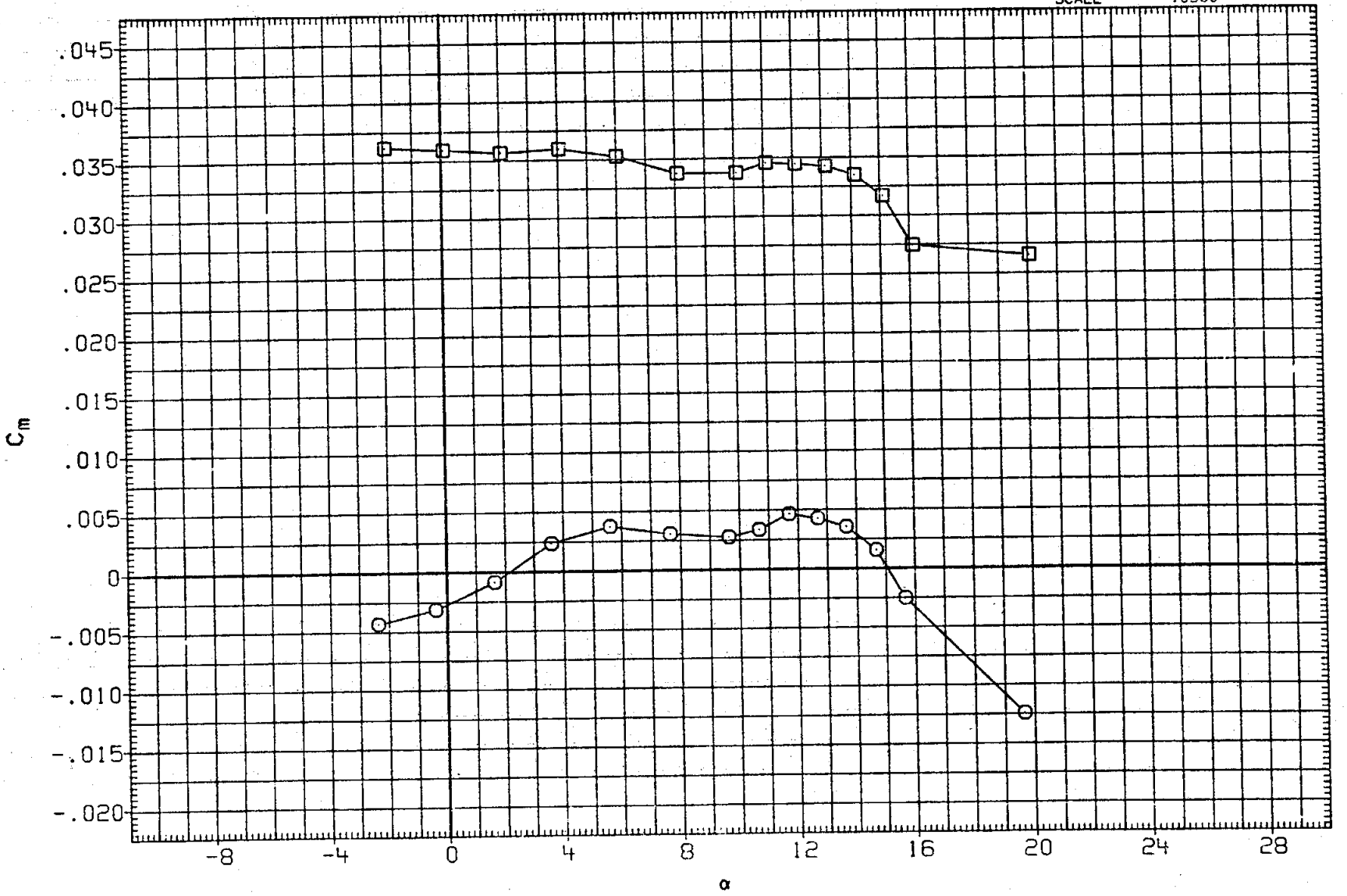

FIGURE 53. EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M=0.4

(A) MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E208	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BOFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

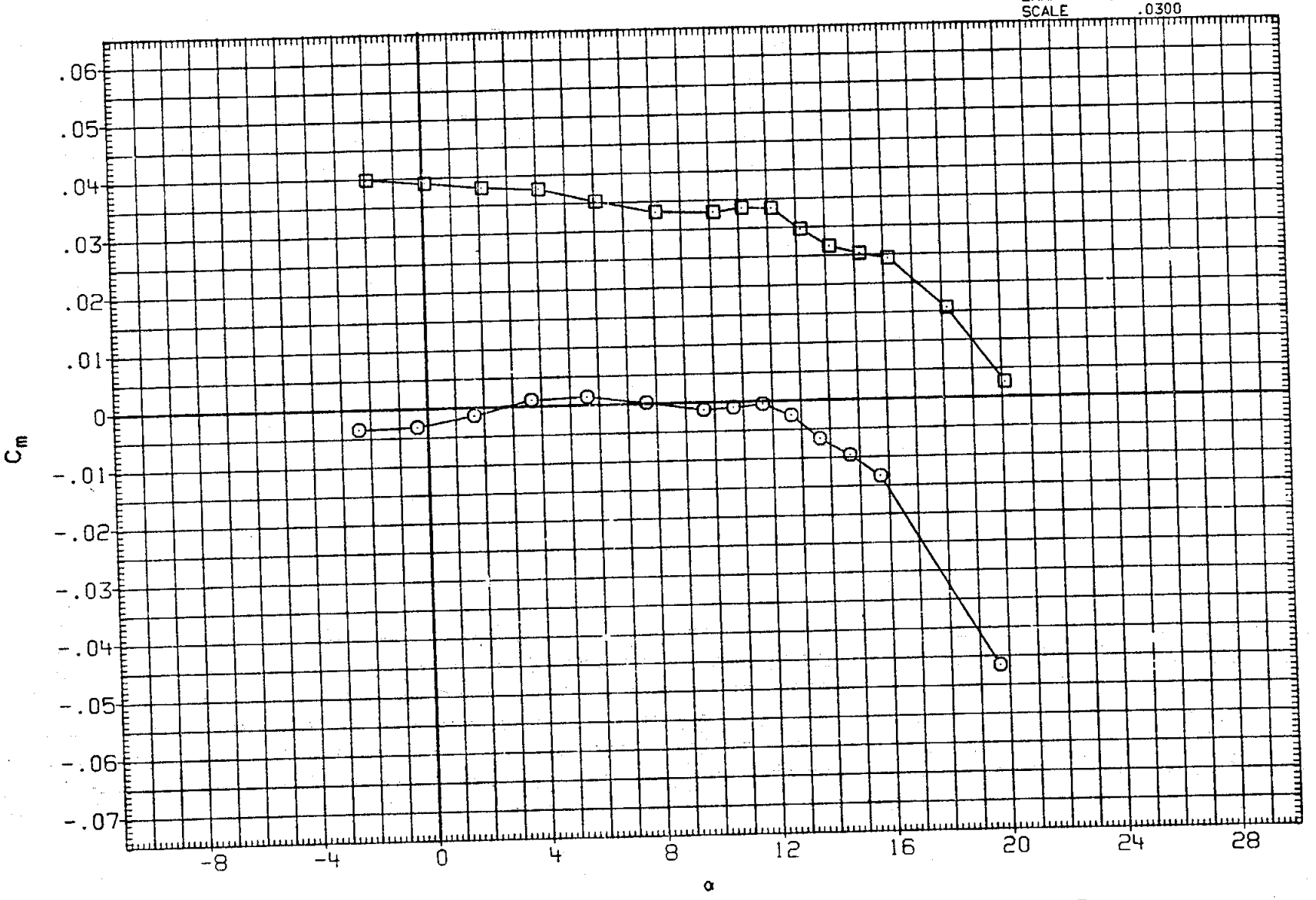

FIGURE 54. EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M=0.6

(A)MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E173	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E213	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

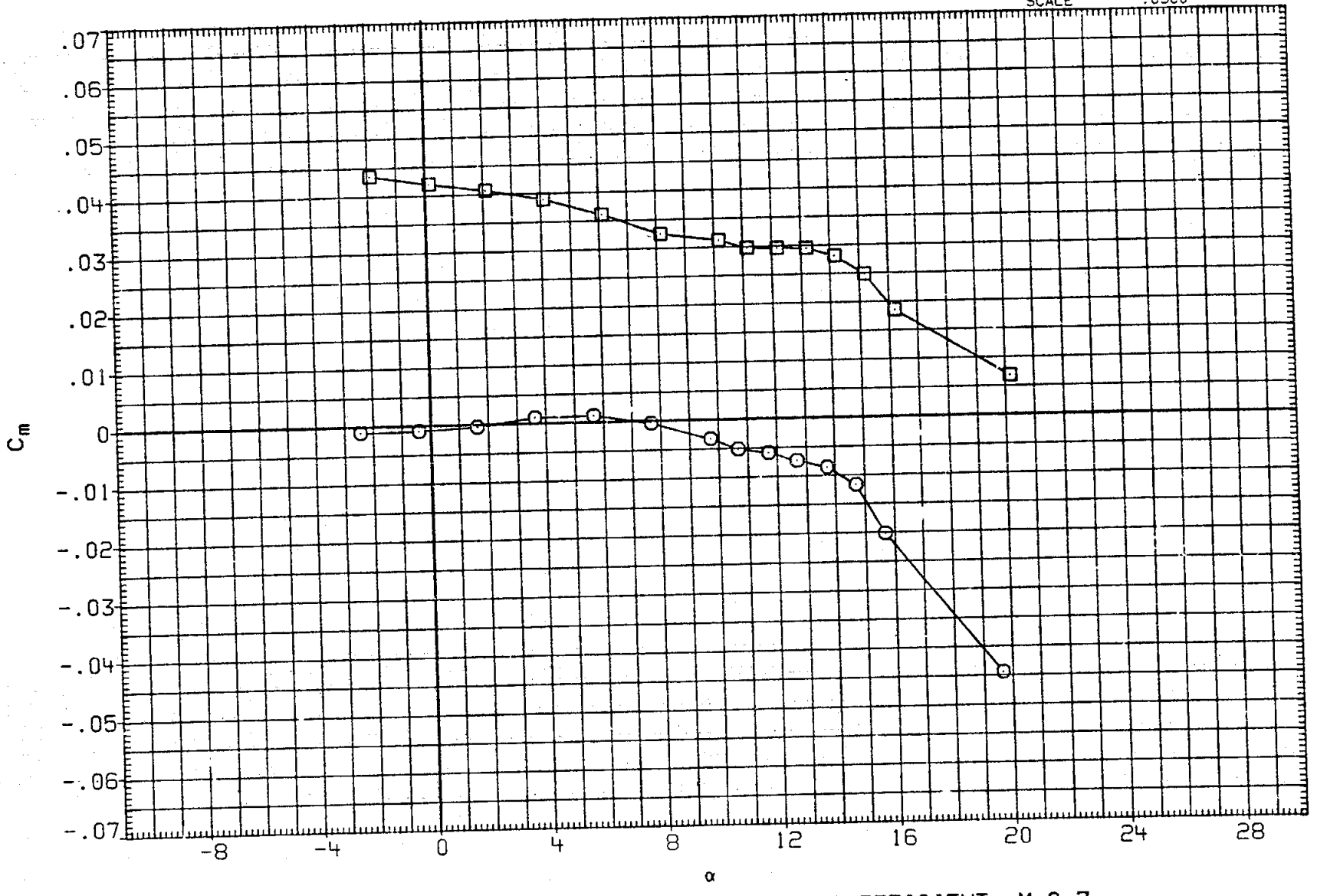

FIGURE 55. EFFECT OF TAILCONE ON PITCHING MOMENT COEFFICIENT, M=0.7

(A)MACH = .70

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E126	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E205	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

BETA	SPDBRK	BDFLAP	ELEVON
.000	.000	-11.700	.000
.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

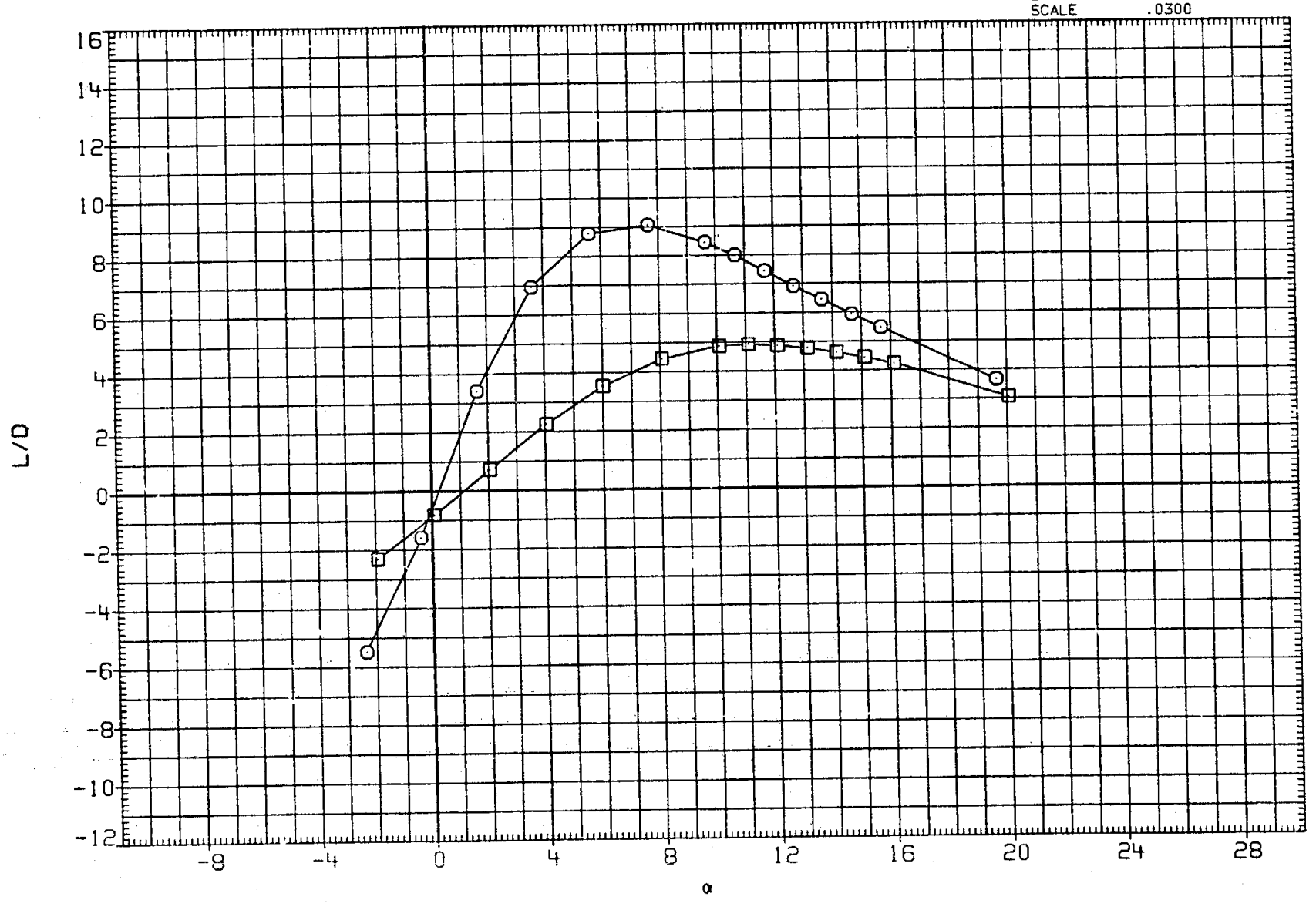

FIGURE 56. EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M=0.4

(A)MACH = .40

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	BDFLAP	ELEVON
R2E169	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	.000	-11.700	.000
R2E208	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C	.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

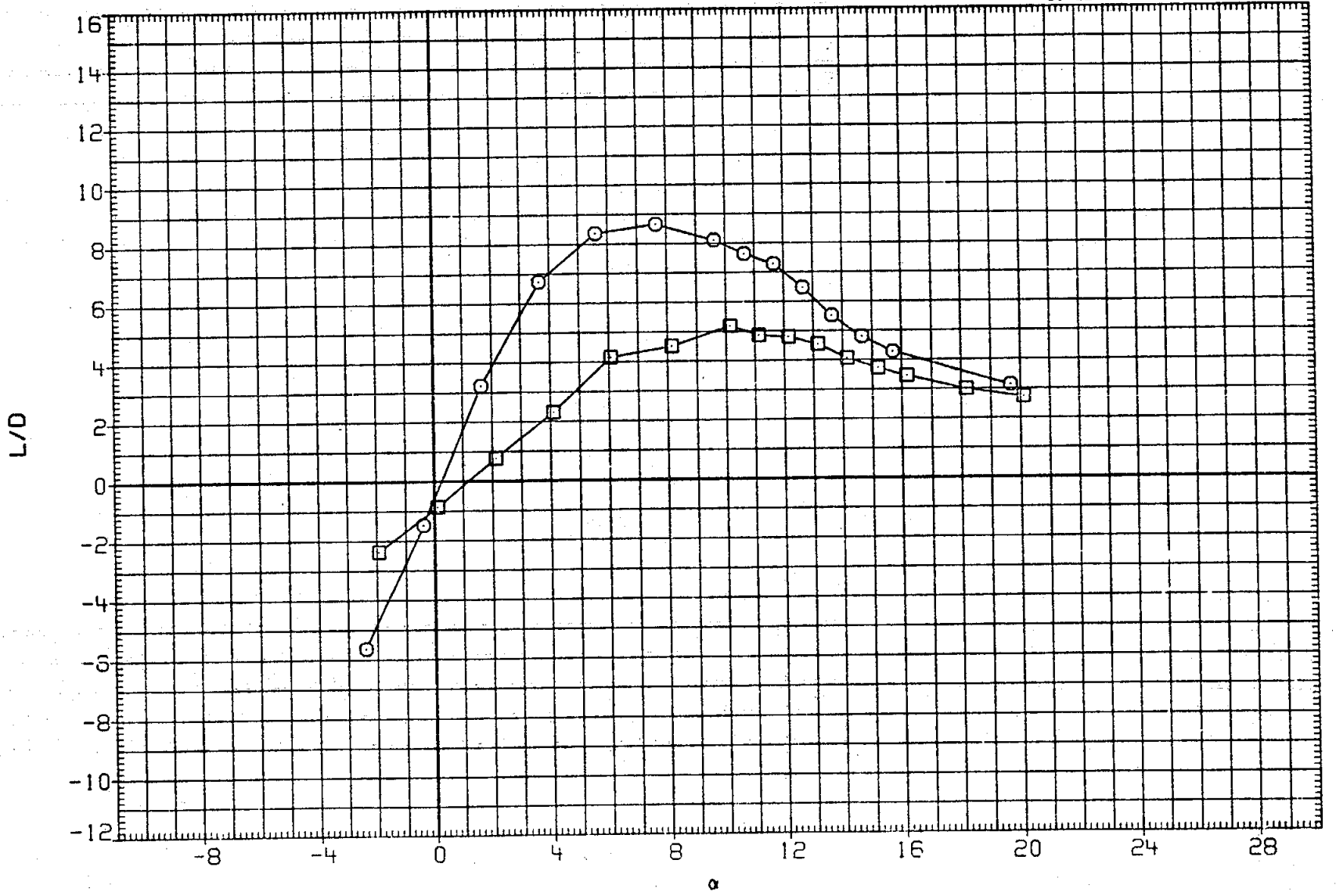

FIGURE 57. EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M=0.6

(A)MACH = .60 DATE 23 SEP 77 PAGE 63

DATA SET	SYMBOL	CONFIGURATION	BETA	SPDBRK	BDFLAP	ELEVON
R2E173	○	ARC 213-1-11 LA89 OV 101 WITH T/C	.000	.000	-11.700	.000
R2E213	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C	.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

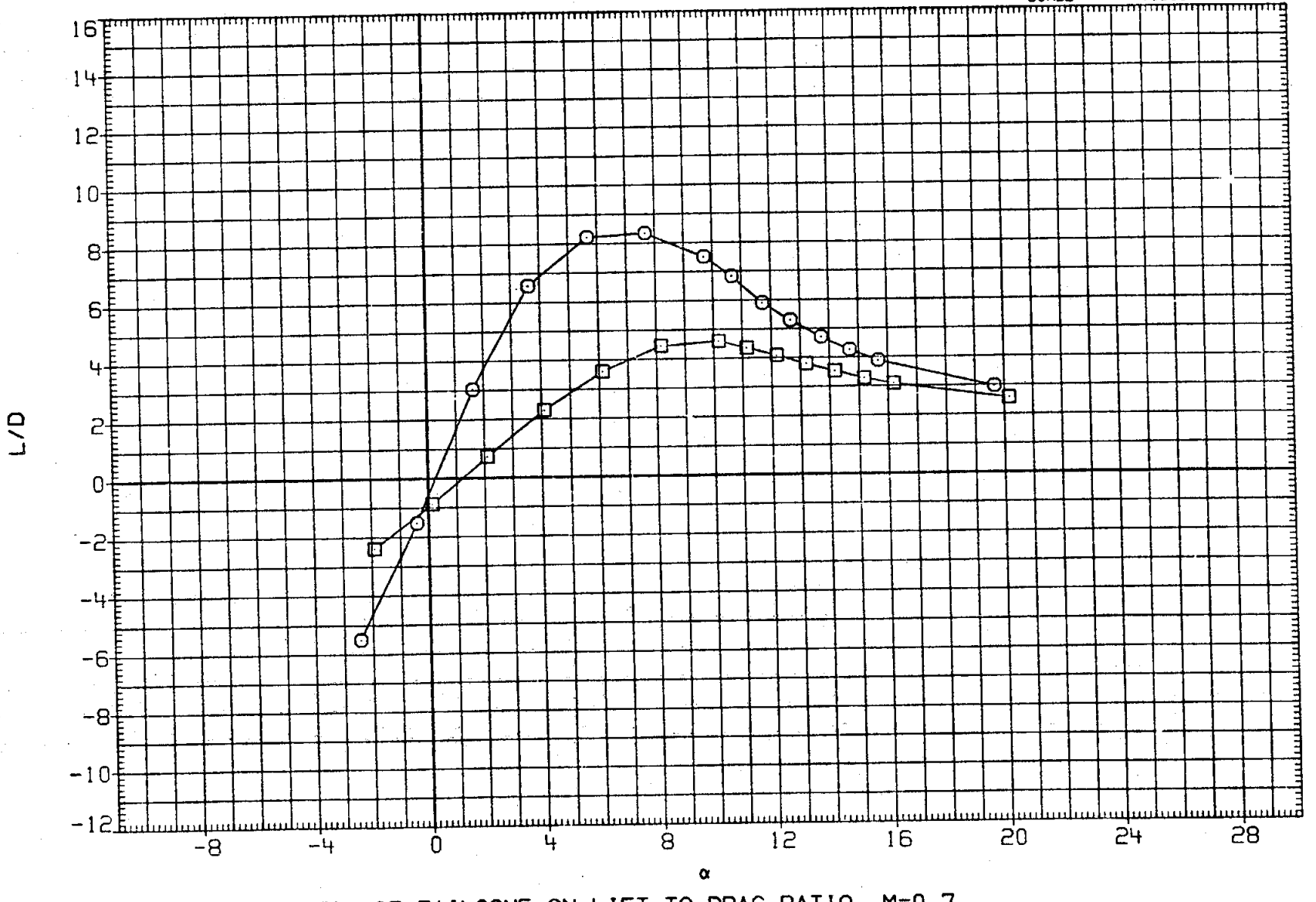

FIGURE 58. EFFECT OF TAILCONE ON LIFT-TO-DRAG RATIO, M=0.7

(A)MACH = .70 DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION	ALPHA	SPDBRK	BDFLAP	ELEVON
R2E109	○	ARC 213-1-11 LA89 OV 101 WITH T/C	10.000	.000	-11.700	.000
R2E207	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C	10.000	.000	-11.700	.000

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

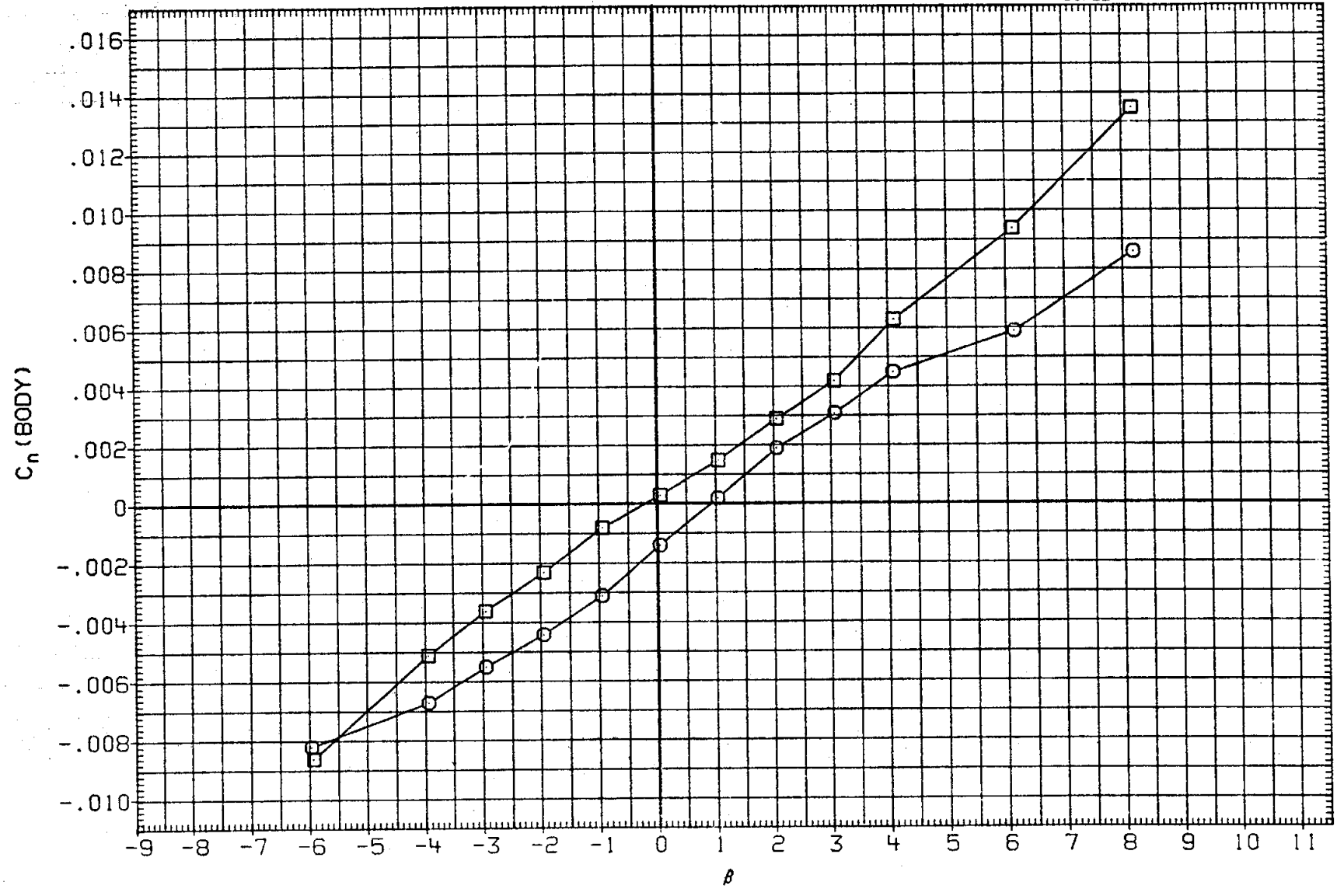

FIGURE 59. EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M=0.4

(A)MACH = .40 DATE 23 SEP 77 PAGE 65

DATA SET	SYMBOL	CONFIGURATION
R2E100	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E210	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

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

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

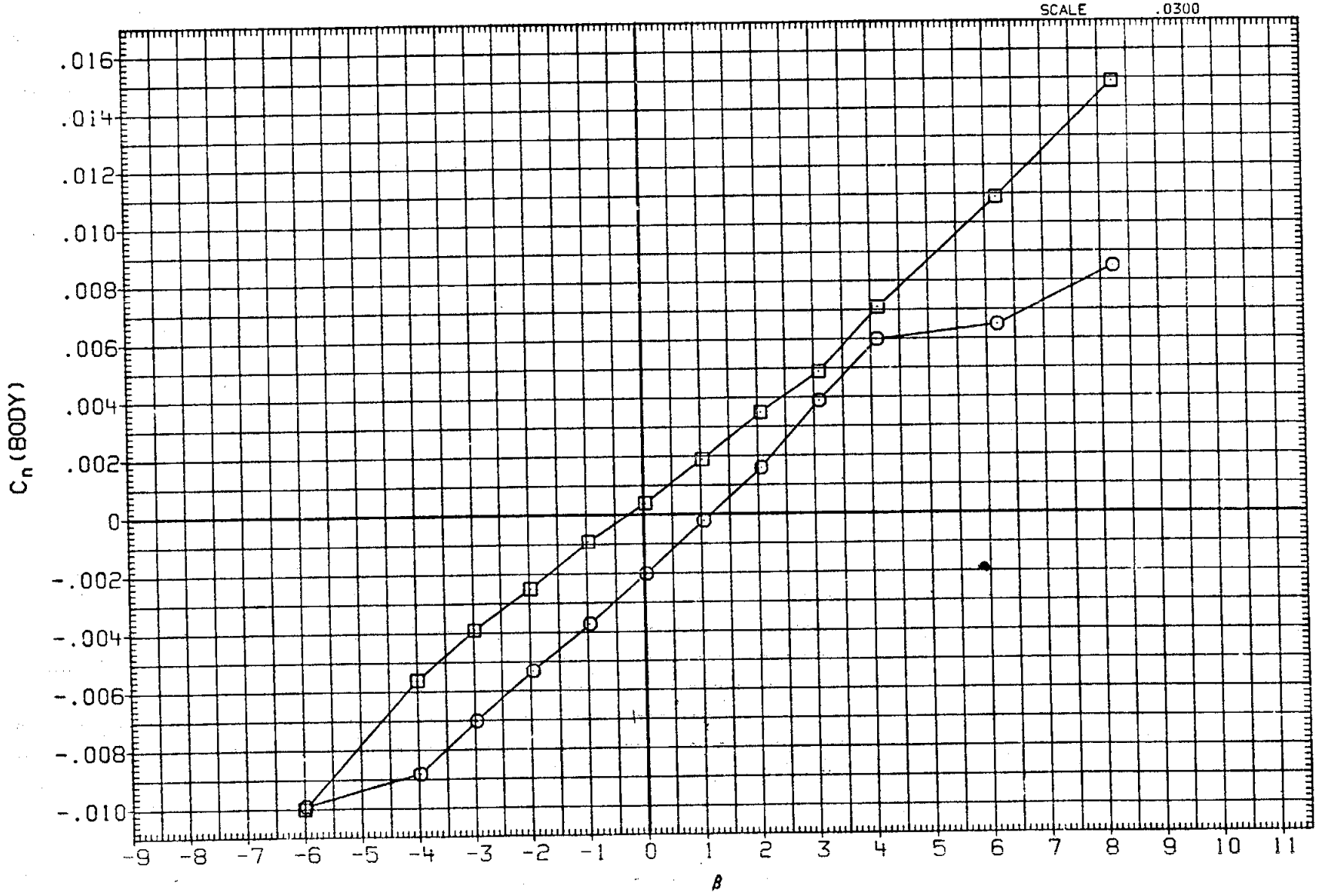

FIGURE 60. EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M=0.6

(A) MACH = .60

DATE 23 SEP 77

DATA SET	SYMBOL	CONFIGURATION
R2E147	○	ARC 213-1-11 LA89 OV 101 WITH T/C
R2E214	□	ARC 213-1-11 LA89 OV 101 WITHOUT T/C

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

REFERENCE INFORMATION

SREF	2690.0000	SQ.FT.
LREF	474.8100	IN.
BREF	936.6800	IN.
XMRP	1076.6800	IN. XO
YMRP	.0000	IN. YO
ZMRP	375.0000	IN. ZO
SCALE	.0300	

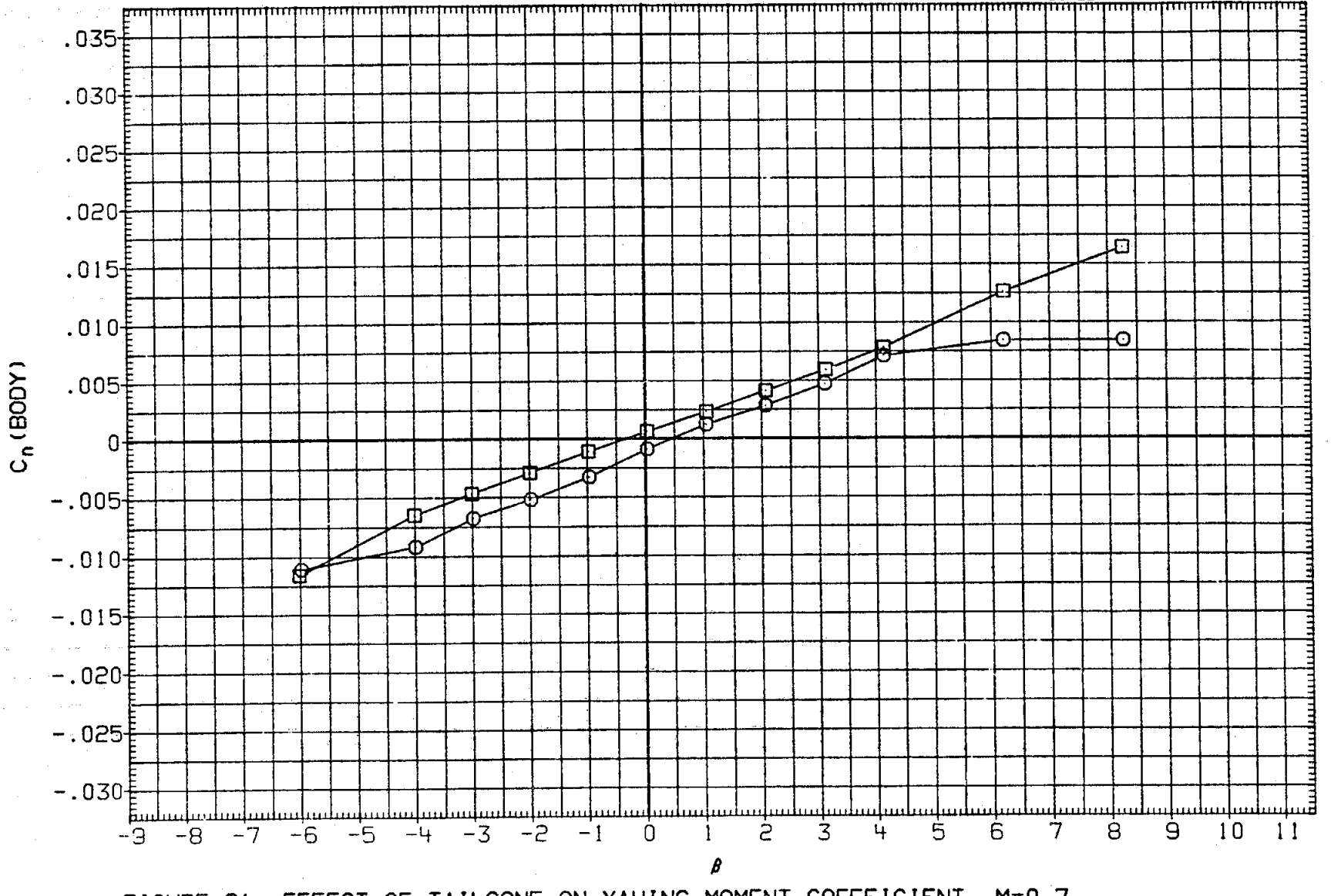

FIGURE 61. EFFECT OF TAILCONE ON YAWING MOMENT COEFFICIENT, M=0.7

(A)MACH = .70 DATE 23 SEP 77 PAGE 67

TABULATED SOURCE DATA

Tabulations of plotted data are available from Data Management Services.

Data for dependent variable BETA2 in datasets S2E$$$ are suspect.

LA-89 - FORCE SOURCE DATA TABULATION

ARC 213-1-11 LA89 OV 101 WITH T/C

(R2E022) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.067	RDA =	-.003
RDBF =	-10.880	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 22/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-2.210	.00000	-.12650	.01910	-.12570	.02400	-5.23700	.00460	.00030	.00050	-.00050
.649	-.020	.01000	-.02130	.02090	-.02130	.02100	-1.01700	.00350	.00020	.00040	-.00050
.649	2.190	.00000	.08190	.01870	.08120	.02180	3.72400	.00570	.00090	.00040	-.00070
.649	4.400	.00000	.18590	.01210	.18440	.02640	6.99400	.00860	.00170	.00010	-.00100
.649	6.680	.01000	.30400	.00080	.30190	.03620	8.34600	.00730	.00100	.00010	-.00100
.649	8.950	.02000	.42530	-.01480	.42240	.05150	8.20400	.00500	.00170	.00020	-.00140
.649	11.220	.03000	.55260	-.03200	.54830	.07610	7.20300	.00270	.00220	-.00040	-.00170
.649	12.360	.03000	.62120	-.03710	.61470	.09670	6.35700	-.00100	.00290	-.00030	-.00190
.649	13.450	.03000	.66670	-.03210	.65590	.12380	5.29700	-.00170	.00180	.00040	-.00130
.649	14.560	.04000	.72150	-.03150	.70620	.15090	4.67900	-.00550	.00230	.00000	-.00170
.649	15.660	.04000	.77670	-.02850	.75560	.18220	4.14600	-.01070	.00230	.00020	-.00170
.649	16.790	.05000	.84610	-.02590	.81750	.21960	3.72300	-.01920	.00130	.00140	-.00150
.649	17.920	.06000	.92790	-.02440	.89040	.26230	3.39400	-.03110	.00210	.00270	-.00200
	GRADIENT	-.00046	.04720	-.00105	.04686	.00036	1.87982	.00065	.00022	-.00005	-.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E023) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.076	RDA =	-.028
RDBF =	-10.869	BETA =	-2.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 23/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.130	-2.07000	-.12010	.01900	-.11930	.02340	-5.09700	.00290	.03900	.00210	-.00350
.648	.020	-2.08000	-.01860	.02080	-.01860	.02080	-.89300	.00390	.03870	.00280	-.00340
.648	2.260	-2.08000	.08460	.01830	.08380	.02160	3.87900	.00690	.04010	.00330	-.00350
.648	4.530	-2.05000	.19120	.01170	.18970	.02680	7.07400	.01090	.04180	.00370	-.00470
.648	6.800	-1.96000	.30570	.00050	.30350	.03670	8.26400	.01120	.04210	.00420	-.00530
.648	9.070	-1.96000	.43360	-.01580	.43070	.05270	8.16600	.00510	.04020	.00510	-.00470
.648	10.200	-1.95000	.49670	-.02500	.49330	.06330	7.78900	.00210	.04220	.00610	-.00580
.648	11.330	-1.93000	.55970	-.03280	.55520	.07770	7.14100	.00120	.04170	.00640	-.00570
.648	13.580	-1.92000	.67450	-.03260	.66330	.12670	5.23500	-.00300	.04180	.00630	-.00570
.648	14.690	-1.90000	.73250	-.03200	.71670	.15480	4.63000	-.00650	.04290	.00520	-.00620
.648	15.780	-1.90000	.78660	-.03580	.76670	.17950	4.27100	-.01260	.04050	.00640	-.00540
.648	16.900	-1.88000	.85230	-.02630	.82320	.22260	3.69700	-.01990	.04080	.00710	-.00540
.648	18.030	-1.86000	.93860	-.02430	.90000	.26740	3.36600	-.03240	.04220	.00830	-.00630
.648	21.980	-1.85000	1.16730	-.03190	1.09430	.40730	2.68700	-.03610	.04110	.00860	-.00420
	GRADIENT	.00275	.04667	-.00111	.04633	.00050	1.85676	.00122	.00044	.00024	-.00017

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E024) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.855	BETA =	.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 24/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.130	.00000	-.11550	.01930	-.11470	.02360	-4.86000	.00080	.00140	-.00010	-.00070
.647	.010	.01000	-.01320	.02100	-.01320	.02100	-.62700	.00090	.00080	-.00020	-.00070
.647	2.230	.01000	.09220	.01860	.09140	.02210	4.12700	.00140	.00230	-.00080	-.00120
.647	4.460	.01000	.20410	.01190	.20260	.02780	7.29900	.00130	.00220	-.00110	-.00130
.647	6.720	.01000	.31820	.00020	.31600	.03750	8.43800	.00100	.00330	-.00110	-.00160
.647	8.990	.02000	.43680	-.01540	.43380	.05310	8.17500	.00030	.00290	-.00090	-.00160
.647	11.260	.03000	.56110	-.03240	.55660	.07770	7.15900	-.00040	.00320	-.00080	-.00180
.647	12.380	.03000	.62020	-.03550	.61340	.09830	6.24100	-.00080	.00390	-.00100	-.00270
.647	13.470	.03000	.66430	-.03380	.65390	.12190	5.36300	-.00070	.00250	.00010	-.00150
.647	14.580	.03000	.71360	-.02970	.69810	.15090	4.62700	-.00020	.00430	-.00130	-.00240
.647	15.670	.04000	.76320	-.02770	.74240	.17940	4.13800	-.00080	.00490	-.00110	-.00260
.647	16.790	.05000	.81420	-.02580	.78690	.21053	3.73800	-.00070	.00340	.00000	-.00220
.647	17.900	.06000	.87700	-.02490	.84220	.24580	3.42600	-.00150	.00260	.00230	-.00220
	GRADIENT	.00135	.04840	-.00113	.04805	.00063	1.87413	.00009	.00018	-.00016	-.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E025) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.852 BETA = 2.000
SPDBRK = 11.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 25/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.150	2.10000	-.11640	.01890	-.11560	.02330	-4.97100	.00020	-.03310	-.00180	-.00030
.647	-.020	2.12000	-.01700	.02040	-.01700	.02040	-.83500	.00020	-.03730	-.00270	.00180
.647	2.200	2.15000	.08950	.01830	.08870	.02180	4.07600	.00250	-.03530	-.00410	.00090
.647	4.470	2.18000	.20680	.01200	.20530	.02810	7.31200	.00230	-.03560	-.00530	.00090
.647	6.780	2.20000	.33010	-.00030	.32780	.03860	8.48700	-.00110	-.03640	-.00590	.00160
.647	9.080	2.23000	.44600	-.01630	.44300	.05420	8.17100	-.00220	-.03670	-.00660	.00190
.647	11.350	2.23000	.56730	-.03310	.56270	.07920	7.10800	-.00260	-.03710	-.00770	.00240
.647	12.470	2.23000	.62930	-.03640	.62230	.10030	6.20200	-.00380	-.03710	-.00740	.00170
.647	13.560	2.24000	.66860	-.03080	.65720	.12670	5.18500	-.00220	-.03950	-.00670	.00300
.647	14.660	2.25000	.72080	-.03030	.70500	.15310	4.60500	-.00220	-.03830	-.00710	.00240
.647	15.750	2.26000	.76600	-.02870	.74510	.18030	4.13300	-.00140	-.03690	-.00750	.00170
.647	16.860	2.27000	.82170	-.02720	.79420	.21230	3.74200	-.00400	-.03810	-.00620	.00200
.647	17.970	2.29000	.88150	-.02660	.84670	.24670	3.43300	-.00260	-.04230	-.00360	.00270
	GRADIENT	.01224	.04875	-.00104	.04840	.00073	1.88983	.00039	-.00024	-.00054	.00012

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E026) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.854 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 26/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.010	6.80000	.32470	-.00350	.32280	.03490	9.24500	.00210	.11660	.01290	-.01180
.648	-3.990	6.79000	.32540	-.00200	.32330	.03650	8.85300	.00240	.07920	.00760	-.00820
.648	-2.970	6.78000	.32740	-.00170	.32530	.03700	8.79700	.00030	.06110	.00520	-.00680
.648	-1.950	6.76000	.32110	.00030	.31880	.03810	8.37400	.00440	.04320	.00260	-.00590
.648	-.930	6.73000	.32600	.00040	.32370	.03860	8.38300	.00010	.01890	.00060	-.00180
.648	.020	6.72000	.32150	.00020	.31930	.03780	8.44400	-.00030	.00310	-.00110	-.00140
.648	1.030	6.81000	.32330	-.00030	.32100	.03800	8.44400	.00050	-.01560	-.00330	.00010
.648	2.090	6.84000	.32190	-.00020	.31960	.03810	8.38400	.00250	-.03480	-.00590	.00140
.648	3.130	6.83000	.32840	-.00160	.32630	.03740	8.71600	-.00430	-.05590	-.00780	.00380
.648	4.160	6.81000	.31960	-.00220	.31760	.03570	8.90900	-.00160	-.07600	-.00930	.00590
.648	5.210	6.80000	.31760	-.00310	.31570	.03450	9.15300	-.00190	-.09640	-.01040	.00720
.648	6.240	6.80000	.31320	-.00320	.31140	.03390	9.18400	.00150	-.11620	-.01220	.00830
.648	7.270	6.80000	.31900	-.00360	.31720	.03420	9.26500	.00020	-.13350	-.01470	.00970
.648	8.300	6.80000	.32120	-.00340	.31930	.03470	9.20700	-.00230	-.14860	-.01670	.00960
	GRADIENT	.00773	-.00035	-.00004	-.00034	-.00004	.00141	-.00055	-.01907	-.00209	.00172

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E027) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RODF =	-10.852	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 27/ 0 RN/L = 6.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.070	13.43000	.66450	-.03640	.65480	.11890	5.50600	.00100	.11600	.01690	-.01230
.647	-4.050	13.47000	.66670	-.03410	.65630	.12220	5.37200	-.00090	.08140	.01040	-.00920
.647	-3.030	13.46000	.66130	-.03270	.65080	.12210	5.32900	.00150	.06200	.00840	-.00750
.647	-2.000	13.46000	.66120	-.03230	.65060	.12260	5.30800	.00170	.04390	.00480	-.00620
.647	-.970	13.47000	.66520	-.03160	.65420	.12430	5.26400	-.00020	.02320	.00210	-.00400
.647	.050	13.47000	.66480	-.03120	.65380	.12450	5.25100	-.00080	.00300	-.00050	-.00180
.647	1.080	13.46000	.66530	-.03130	.65440	.12440	5.26100	-.00180	-.01920	-.00350	.00110
.647	2.090	13.45000	.66630	-.03140	.65530	.12450	5.26600	-.00290	-.03810	-.00650	.00290
.647	3.140	13.46000	.66330	-.03210	.65260	.12320	5.29700	-.00360	-.05600	-.01040	.00400
.647	4.150	13.45000	.66030	-.03280	.64980	.12170	5.33900	-.00310	-.07510	-.01420	.00520
.647	5.200	13.46000	.65780	-.03440	.64770	.11960	5.41400	-.00240	-.09440	-.01710	.00610
.647	6.230	13.45000	.66040	-.03600	.65060	.11860	5.48400	-.00100	-.11160	-.01990	.00650
.647	7.300	13.45000	.66250	-.03680	.65290	.11820	5.52300	-.00380	-.12640	-.02180	.00650
.647	8.330	13.44000	.65860	-.03750	.64930	.11650	5.57200	-.00290	-.14260	-.02470	.00710
	GRADIENT	-.00178	-.00015	.00015	-.00018	.00008	-.00512	-.00057	-.01928	-.00297	.00188

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E028) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -6.031 BETA = .000
SPDBRK = 11.500 BDFLAP = -6.000
RN/L = 6.500 GRIT = .000

RUN NO. 28/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.150	-.01000	-.11550	.02010	-.11470	.02440	-4.70300	.00110	.00190	.00060	-.00110
.648	-.010	.01000	-.01290	.02190	-.01290	.02190	-.58600	.00060	.00130	.00050	-.00100
.648	2.210	.01000	.09020	.01960	.08940	.02300	3.88100	.00300	.00240	.00030	-.00120
.648	4.440	.01000	.20360	.01270	.20200	.02840	7.10800	.00230	.00370	-.00090	-.00190
.648	6.700	.02000	.32210	.00130	.31970	.03890	8.22700	-.00110	.00390	-.00100	-.00180
.648	8.970	.03000	.43910	-.01440	.43600	.05430	8.02900	-.00090	.00250	-.00030	-.00180
.648	10.100	.03000	.49640	-.02280	.49270	.06470	7.62000	-.00030	.00270	.00030	-.00180
.648	11.240	.04000	.55830	-.03110	.55360	.07830	7.07100	-.00030	.00270	.00000	-.00180
.648	12.370	.04000	.61960	-.03540	.61280	.09810	6.24400	-.00090	.00410	-.00110	-.00280
.648	13.470	.03000	.66520	-.03050	.65400	.12530	5.21800	-.00170	.00300	-.00020	-.00170
.648	14.580	.04000	.71430	-.02930	.69870	.15140	4.61400	-.00130	.00430	-.00090	-.00250
.648	15.680	.04000	.75900	-.02640	.73790	.17960	4.10800	.00000	.00530	-.00130	-.00290
.648	16.790	.05000	.81790	-.02460	.79020	.21270	3.71500	-.00350	.00440	-.00010	-.00280
.648	17.910	.07000	.88060	-.02420	.84540	.24770	3.41300	-.00370	.00300	.00220	-.00260
	GRADIENT	.00271	.04823	-.00112	.04786	.00060	1.81369	.00027	.00030	-.00021	-.00012

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E029) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6900 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.038	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 29/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.160	2.09000	-.11610	.01980	-.11530	.02420	-4.77200	.00030	-.03350	-.00160	.00030
.648	-.030	2.12000	-.01450	.02140	-.01450	.02140	-.67600	.00030	-.03790	-.00230	.00200
.648	2.190	2.15000	.08920	.01650	.08850	.01990	4.45400	.00290	-.03630	-.00360	.00100
.648	4.470	2.18000	.20660	.01280	.20490	.02880	7.10900	.00270	-.03570	-.00530	.00070
.648	6.780	2.20000	.33180	.00040	.32950	.03960	8.32200	-.00170	-.03660	-.00620	.00140
.648	9.080	2.23000	.44480	-.01550	.44160	.05490	8.04900	-.00250	-.03840	-.00590	.00250
.648	11.350	2.23000	.56720	-.03180	.56230	.08040	6.99200	-.00220	-.03850	-.00680	.00270
.648	12.470	2.23000	.62370	-.03520	.61660	.10030	6.14500	-.00080	-.03590	-.00840	.00140
.648	13.560	2.23000	.67110	-.02990	.65940	.12820	5.14200	-.00390	-.03860	-.00720	.00280
.648	14.660	2.24000	.71920	-.02930	.70320	.15370	4.57600	-.00220	-.03810	-.00720	.00230
.648	15.750	2.25000	.76570	-.02810	.74450	.18080	4.11800	-.00150	-.03690	-.00760	.00180
.648	16.860	2.27000	.82260	-.02470	.79450	.21490	3.69700	-.00460	-.03970	-.00580	.00240
.648	17.980	2.29000	.88080	-.02510	.84550	.24810	3.40800	-.00240	-.04150	-.00380	.00250
	GRADIENT	.01357	.04849	-.00118	.04812	.00057	1.84168	.00044	-.00022	-.00056	.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E030) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.047	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 30/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.000	6.81000	.32690	-.00280	.32490	.03600	9.02800	.00130	.11820	.01340	-.01230
.647	-3.980	6.80000	.32810	-.00140	.32590	.03740	8.70900	.00040	.08030	.00790	-.00890
.647	-2.970	6.79000	.32560	-.00080	.32350	.03760	8.59500	.00130	.06080	.00600	-.00700
.647	-1.940	6.77000	.32550	.00080	.32320	.03920	8.24600	.00210	.04290	.00270	-.00580
.647	-.920	6.73000	.32860	.00100	.32620	.03950	8.26000	-.00100	.01840	.00090	-.00210
.647	.020	6.72000	.31940	.00110	.31700	.03850	8.23600	.00050	.00260	-.00080	-.00130
.647	1.040	6.82000	.32150	.00070	.31910	.03890	8.19700	.00040	-.01670	-.00310	.00050
.647	2.090	6.84000	.32070	.00060	.31830	.03880	8.20500	.00260	-.03550	-.00570	.00150
.647	3.140	6.84000	.32480	-.00060	.32260	.03810	8.46500	-.00220	-.05660	-.00760	.00410
.647	4.170	6.81000	.32020	-.00150	.31820	.03650	8.70600	-.00170	-.07810	-.00870	.00650
.647	5.200	6.81000	.31630	-.00240	.31440	.03520	8.94200	-.00060	-.09760	-.01060	.00760
.647	6.230	6.81000	.31520	-.00250	.31320	.03483	8.99300	.00200	-.11660	-.01270	.00860
.647	7.250	6.81000	.31970	-.00280	.31780	.03510	9.04300	.00020	-.13530	-.01420	.01030
	GRADIENT	.00691	-.00082	-.00001	-.00082	-.00006	-.00847	-.00027	-.01932	-.00210	.00184

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E031) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.050	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 31/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.070	13.44000	.66220	-.03490	.65220	.12000	5.43500	.00240	.11870	.01640	-.01340
.648	-4.050	13.49000	.66650	-.03290	.65580	.12340	5.31200	-.00020	.08300	.01050	-.01000
.648	-3.030	13.47000	.66380	-.03140	.65290	.12400	5.26400	.00070	.06310	.00810	-.00800
.648	-2.000	13.47000	.66200	-.03090	.65100	.12410	5.24500	.00130	.04360	.00490	-.00640
.648	-.990	13.45000	.66540	-.03030	.65420	.12530	5.22000	-.00040	.02420	.00180	-.00450
.648	.030	13.46000	.66450	-.03000	.65330	.12550	5.20500	-.00050	.00360	-.00120	-.00180
.648	1.070	13.47000	.66470	-.03000	.65340	.12560	5.20200	-.00090	-.01750	-.00430	.00090
.648	2.080	13.46000	.66410	-.02980	.65280	.12550	5.20100	-.00280	-.03720	-.00740	.00280
.648	3.120	13.47000	.66490	-.03080	.65380	.12490	5.23500	-.00380	-.05730	-.01030	.00440
.648	4.140	13.46000	.66010	-.03190	.64930	.12270	5.29400	-.00330	-.07600	-.01440	.00580
.648	5.210	13.47000	.65440	-.03370	.64420	.11960	5.38700	-.00170	-.09450	-.01760	.00670
.648	6.230	13.47000	.66310	-.03480	.65300	.12070	5.40900	-.00190	-.11400	-.01980	.00760
.648	7.280	13.47000	.66590	-.03550	.65580	.12070	5.43600	-.00410	-.12880	-.02160	.00770
	GRADIENT	-.00195	-.00031	.00013	-.00033	.00005	-.00429	-.00056	-.01954	-.00302	.00202

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E032) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.090	BETA =	.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 327 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.160	.00000	-.12230	.02660	-.12120	.03120	-3.89100	.00120	.00370	-.00030	-.00210
.648	-.020	.01000	-.02150	.02880	-.02150	.02880	-.74700	.00150	.00350	-.00020	-.00210
.648	2.200	.01000	.08370	.02680	.08260	.03000	2.75400	.00280	.00350	-.00030	-.00200
.648	4.430	.01000	.19420	.02010	.19210	.03500	5.48500	.00180	.00360	-.00090	-.00200
.648	6.670	.03000	.31030	.00920	.30720	.04520	6.79500	.00050	.00300	-.00090	-.00190
.648	8.960	.03000	.42920	-.00570	.42480	.06120	6.94300	-.00040	.00290	-.00080	-.00170
.648	11.220	.04000	.54840	-.02240	.54230	.08470	6.40000	-.00030	.00260	-.00140	-.00170
.648	12.360	.04000	.61340	-.02580	.60470	.10610	5.70000	-.00230	.00390	-.00210	-.00280
.648	13.470	.03000	.65900	-.02310	.64630	.13100	4.93200	-.00130	.00290	-.00100	-.00170
.648	14.570	.03000	.71000	-.02170	.69270	.15770	4.39300	-.00220	.00290	-.00120	-.00190
.648	15.670	.04000	.75800	-.01940	.73510	.18610	3.95100	-.00160	.00310	-.00130	-.00200
.648	16.780	.05000	.80860	-.01910	.77970	.21510	3.62400	-.00070	.00250	.00010	-.00190
.648	17.900	.07000	.86630	-.01810	.82990	.24900	3.33200	-.00100	.00200	.00240	-.00220
	GRADIENT	.00135	.04797	-.00099	.04748	.00058	1.43798	.00014	-.00001	-.00009	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E033) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.049	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 33/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.170	2.09000	-.12550	.02560	-.12450	.03040	-4.09800	.00070	-.03870	-.00200	.00260
.647	-.040	2.12000	-.02480	.02660	-.02480	.02670	-.93100	.00170	-.03920	-.00280	.00270
.647	2.180	2.15000	.08200	.02610	.08100	.02920	2.77200	.00200	-.03930	-.00390	.00270
.647	4.450	2.17000	.19840	.01930	.19630	.03470	5.66400	.00080	-.04000	-.00480	.00300
.647	6.750	2.19000	.31630	.00800	.31310	.04510	6.94300	.00000	-.04000	-.00510	.00310
.647	9.070	2.22000	.43670	-.00710	.43230	.06180	6.99400	-.00100	-.03960	-.00640	.00330
.647	11.340	2.23000	.55910	-.02370	.55290	.08680	6.37100	-.00140	-.03850	-.00820	.00310
.647	12.470	2.23000	.62140	-.02660	.61250	.10830	5.65700	-.00330	-.03730	-.00860	.00200
.647	13.560	2.23000	.66350	-.02300	.65040	.13320	4.88300	-.00330	-.03900	-.00750	.00300
.647	14.650	2.25000	.71120	-.02210	.69370	.15850	4.37500	-.00200	-.03990	-.00680	.00310
.647	15.750	2.26000	.76360	-.02080	.74050	.18730	3.95300	-.00270	-.03890	-.00720	.00270
.647	16.860	2.27000	.81400	-.01930	.78460	.21760	3.60600	-.00320	-.04000	-.00600	.00260
.647	17.970	2.29000	.87580	-.02050	.83940	.25080	3.34700	-.00320	-.04230	-.00380	.00310
	GRADIENT	.01221	.04886	-.00089	.04839	.00071	1.49348	.00002	-.00018	-.00043	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E034) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.032	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 34/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-5.990	6.78000	.31530	.00410	.31260	.04140	7.56100	.00090	.12590	.01290	-.01650
.648	-3.980	6.78000	.31180	.00610	.30890	.04290	7.20300	.00370	.08560	.00810	-.01130
.648	-2.960	6.76000	.31460	.00690	.31160	.04390	7.09600	.00180	.06380	.00590	-.00860
.648	-1.930	6.74000	.31350	.00780	.31050	.04450	6.97200	.00280	.04350	.00370	-.00610
.648	-.920	6.70000	.31280	.00860	.30970	.04510	6.86900	.00120	.02190	.00150	-.00360
.648	.020	6.70000	.30870	.00940	.30550	.04540	6.72900	.00150	.00250	-.00060	-.00150
.648	1.020	6.79000	.31320	.00890	.31000	.04590	6.75400	.00140	-.01780	-.00290	.00080
.648	2.040	6.81000	.31320	.00810	.31000	.04520	6.86400	.00080	-.03910	-.00510	.00320
.648	3.100	6.82000	.31390	.00710	.31090	.04440	7.00900	-.00070	-.06040	-.00760	.00560
.648	4.130	6.80000	.31270	.00600	.30980	.04290	7.21800	-.00230	-.08130	-.00940	.00810
.648	5.170	6.79000	.30950	.00490	.30670	.04140	7.40000	-.00100	-.10290	-.01110	.01030
.648	6.200	6.80000	.31420	.00360	.31160	.04080	7.64200	-.00280	-.12530	-.01340	.01280
.648	7.250	6.80000	.31640	.00200	.31390	.03940	7.96400	-.00310	-.14540	-.01500	.01510
.648	8.290	6.78000	.30920	.00150	.30690	.03800	8.08200	.00030	-.16160	-.01660	.01540
	GRADIENT	.00809	.00002	.00002	.00002	.00006	-.00830	-.00059	-.02058	-.00219	.00237

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E035) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.038	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 35/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	13.43000	.65870	-.02820	.64720	.12560	5.15400	-.00080	.12210	.01720	-.01560
.648	-4.050	13.47000	.65820	-.02540	.64600	.12860	5.02400	.00070	.08490	.01120	-.01110
.648	-3.030	13.45000	.65520	-.02410	.64280	.12900	4.98400	.00040	.06420	.00820	-.00870
.648	-2.000	13.45000	.65090	-.02360	.63850	.12850	4.96800	.00120	.04330	.00500	-.00630
.648	-.990	13.44000	.65730	-.02290	.64460	.13050	4.93800	.00040	.02310	.00180	-.00380
.648	.050	13.47000	.65530	-.02270	.64260	.13060	4.92000	.00060	.00210	-.00120	-.00140
.648	1.080	13.47000	.65600	-.02290	.64330	.13050	4.92800	-.00060	-.01810	-.00460	.00080
.648	2.110	13.47000	.65780	-.02380	.64520	.13010	4.95800	-.00150	-.03840	-.00780	.00290
.648	3.110	13.45000	.65700	-.02450	.64460	.12900	4.99700	-.00310	-.05880	-.01120	.00530
.648	4.160	13.46000	.65360	-.02540	.64150	.12740	5.03400	-.00260	-.07960	-.01450	.00740
.648	5.200	13.46000	.65310	-.02690	.64140	.12590	5.09400	-.00100	-.10070	-.01740	.00920
.648	6.230	13.46000	.65530	-.02860	.64390	.12470	5.16300	-.00090	-.11990	-.01970	.01030
.648	7.270	13.46000	.65670	-.02980	.64560	.12380	5.21400	-.00380	-.13690	-.02180	.01160
.648	8.280	13.45000	.65790	-.03190	.64730	.12200	5.30600	-.00420	-.15670	-.02400	.01340
	GRADIENT	.00050	-.00001	-.00003	-.00001	-.00003	.00080	-.00049	-.02001	-.00314	.00226

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E036) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.970 BETA = .000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 36/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.180	.00000	-.12900	.03080	-.12770	.03570	-3.58200	.00160	.00250	.00020	-.00150
.647	-.030	.01000	-.02660	.03320	.02660	.03320	-.80000	.00220	.00190	.00020	-.00150
.647	2.190	.01000	.08140	.03130	.08020	.03440	2.33300	.00180	.00220	.00000	-.00160
.647	4.420	.01000	.19070	.02500	.18820	.03960	4.74700	.00150	.00290	-.00030	-.00150
.647	6.670	.02000	.30450	.00750	.30160	.04280	7.04200	.00110	.00220	-.00060	-.00160
.647	8.950	.03000	.42420	-.00060	.41910	.06540	6.40700	.00050	.00160	-.00040	-.00150
.647	11.220	.04000	.54550	-.01690	.53840	.08960	6.01000	-.00010	.00200	-.00120	-.00150
.647	12.360	.04000	.61370	-.02080	.60390	.11100	5.44200	-.00230	.00360	-.00160	-.00250
.647	13.460	.03000	.65850	-.01760	.64450	.13620	4.73200	-.00180	.00190	-.00050	-.00150
.647	14.560	.04000	.70410	-.01600	.68550	.16150	4.24400	-.00040	.00380	-.00160	-.00230
.647	15.660	.04000	.75690	-.01360	.73250	.19120	3.83000	-.00270	.00420	-.00130	-.00230
.647	16.780	.06000	.81080	-.01260	.77990	.22200	3.51400	-.00250	.00240	.00100	-.00180
.647	17.890	.07000	.86620	-.01180	.82800	.25480	3.24900	-.00090	.00270	.00170	-.00250
	GRADIENT	.00135	.04846	-.00088	.04789	.00059	1.27676	-.00003	.00007	-.00008	-.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E037) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.976 BETA = 2.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 37/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.190	2.09000	-.12820	.03010	-.12700	.03500	-3.63100	-.00020	-.04100	-.00170	.00370
.647	-.050	2.12000	-.03000	.03280	-.02990	.03280	-.91300	.00220	-.04140	-.00260	.00380
.647	2.170	2.15000	.07720	.03090	.07600	.03380	2.25100	.00240	-.04200	-.00360	.00380
.647	4.440	2.18000	.19210	.02430	.18960	.03910	4.85500	.00200	-.04180	-.00480	.00360
.647	6.750	2.20000	.31240	.01310	.30870	.04970	6.20600	.00050	-.04170	-.00530	.00370
.647	9.050	2.22000	.43170	-.00160	.42660	.06640	6.42700	-.00060	-.04120	-.00630	.00380
.647	11.330	2.23000	.55020	-.01750	.54290	.09090	5.97100	.00020	-.04000	-.00790	.00350
.647	12.460	2.23000	.62070	-.02110	.61060	.11330	5.38900	-.00380	-.03800	-.00820	.00220
.647	13.550	2.23000	.66320	-.01720	.64870	.13870	4.67800	-.00330	-.04110	-.00670	.00350
.647	14.650	2.24000	.71030	-.01590	.69120	.16430	4.20800	-.00130	-.03950	-.00750	.00290
.647	15.740	2.25000	.75950	-.01480	.73510	.19180	3.83300	-.00240	-.03940	-.00670	.00270
.647	16.850	2.27000	.80890	-.01330	.77800	.22170	3.50900	-.00160	-.04160	-.00460	.00310
.647	17.970	2.29000	.87220	-.01400	.83400	.25570	3.26200	-.00270	-.04180	-.00370	.00270
	GRADIENT	.01357	.04832	-.00089	.04776	.00061	1.29421	.00030	-.00013	-.00047	-.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E038) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.973 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 38/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.646	-5.990	6.77000	.31400	.00980	.31060	.04670	6.64600	-.00090	.12590	.01330	-.01650
.646	-3.990	6.77000	.30780	.01170	.30430	.04790	6.35400	.00400	.08540	.00880	-.01130
.646	-2.960	6.75000	.30910	.01240	.30550	.04860	6.28600	.00300	.06420	.00600	-.00870
.646	-1.940	6.73000	.30850	.01300	.30480	.04900	6.22000	.00260	.04310	.00380	-.00610
.646	-.910	6.68000	.30890	.01370	.30520	.04950	6.16600	.00140	.02230	.00140	-.00370
.646	.010	6.62000	.30300	.01430	.29930	.04920	6.08600	.00200	.00260	-.00070	-.00140
.646	.990	6.75000	.31000	.01380	.30630	.05020	6.10300	.00080	-.01780	-.00340	.00100
.646	2.080	6.81000	.31020	.01310	.30640	.04980	6.15600	.00070	-.03970	-.00560	.00350
.646	3.120	6.81000	.31090	.01260	.30720	.04940	6.21500	-.00040	-.06130	-.00770	.00620
.646	4.150	6.79000	.31000	.01190	.30640	.04850	6.31600	-.00160	-.08360	-.00930	.00900
.646	5.180	6.78000	.30630	.01120	.30290	.04730	6.40400	-.00090	-.10450	-.01110	.01100
.646	6.200	6.79000	.30590	.01030	.30250	.04640	6.52200	-.00100	-.12790	-.01300	.01390
.646	7.230	6.78000	.30530	.00940	.30210	.04540	6.65400	-.00120	-.14750	-.01460	.01610
.646	8.270	6.77000	.30320	.00920	.30000	.04490	6.68000	-.00050	-.16510	-.01640	.01700
	GRADIENT	.00816	.00031	.00003	.00030	.00012	-.00884	-.00061	-.02071	-.00226	.00247

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E039) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.966 ALPHA = 12.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 39/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	13.42000	.65650	-.02160	.64360	.13130	4.90000	-.00070	.12220	.01660	-.01540
.648	-4.050	13.44000	.65070	-.01920	.63740	.13250	4.80900	.00210	.08440	.01080	-.01080
.648	-3.030	13.43000	.65270	-.01860	.63920	.13350	4.78800	.00040	.06350	.00780	-.00850
.648	-2.010	13.43000	.65420	-.01760	.64040	.13480	4.75100	.00080	.04370	.00440	-.00630
.648	-.990	13.43000	.65360	-.01730	.63970	.13490	4.74100	.00090	.02200	.00200	-.00370
.648	.020	13.43000	.65550	-.01720	.64150	.13550	4.73300	.00010	.00220	-.00110	-.00140
.648	1.040	13.41000	.65360	-.01720	.63980	.13480	4.74500	-.00080	-.01950	-.00400	.00110
.648	2.080	13.44000	.65580	-.01780	.64200	.13510	4.75200	-.00160	-.03930	-.00710	.00330
.648	3.120	13.45000	.65640	-.01840	.64270	.13470	4.77000	-.00210	-.06010	-.01080	.00540
.648	4.150	13.45000	.65440	-.01900	.64090	.13380	4.79100	-.00200	-.07990	-.01450	.00750
.648	5.190	13.45000	.64950	-.01990	.63630	.13170	4.83200	-.00110	-.10120	-.01760	.00930
.648	6.180	13.44000	.65240	-.02080	.63940	.13150	4.86400	-.00230	-.12040	-.02020	.01050
.648	7.220	13.45000	.65440	-.02190	.64150	.13090	4.90100	-.00400	-.13760	-.02240	.01170
.648	8.280	13.43000	.65280	-.02370	.64050	.12860	4.98200	-.00430	-.15640	-.02440	.01310
	GRADIENT	.00164	.00047	.00002	.00045	.00015	-.00192	-.00049	-.02010	-.00303	.00226

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E040) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.948	BETA =	.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 40/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.180	.00000	-.12880	.03540	-.12740	.04030	-3.16100	.00160	.00340	.00040	-.00210
.648	-.030	.01000	-.02760	.03820	-.02760	.03820	-.72100	.00240	.00330	.00020	-.00210
.648	2.190	.01000	.08090	.03640	.07950	.03950	2.01400	.00260	.00350	-.00010	-.00220
.648	4.420	.01000	.18850	.03030	.18560	.04470	4.15300	.00300	.00340	.00010	-.00200
.648	6.670	.03000	.30570	.01960	.30130	.05500	5.48300	.00110	.00320	-.00030	-.00200
.648	8.950	.03000	.42550	.00510	.41950	.07120	5.89100	.00020	.00300	-.00010	-.00200
.648	11.220	.04000	.54630	-.01110	.53800	.09540	5.63800	.00170	.00280	-.00100	-.00200
.648	12.360	.04000	.61370	-.01440	.60250	.11730	5.13800	-.00230	.00440	-.00150	-.00300
.648	13.480	.04000	.65620	-.01050	.64060	.14280	4.48600	-.00010	.00410	-.00120	-.00230
.648	14.570	.04000	.70890	-.00910	.68830	.16960	4.05900	-.00140	.00510	-.00130	-.00280
.648	15.670	.05000	.75650	-.00580	.73000	.19870	3.67400	-.00250	.00450	-.00020	-.00260
.648	16.790	.06000	.81440	-.00550	.78130	.23000	3.39700	-.00230	.00370	.00070	-.00240
.648	17.900	.07000	.87000	-.00370	.82900	.26380	3.14300	-.00360	.00390	.00170	-.00320
	GRADIENT	.00135	.04816	-.00078	.04751	.00066	1.12044	.00020	.00001	-.00005	.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E041) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.964	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 41/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.646	-2.190	2.09000	-.13290	.03490	-.13150	.03990	-3.29500	.00220	-.03910	-.00210	.00290
.646	-.050	2.12000	-.02970	.03760	-.02970	.03760	-.78900	.00190	-.04010	-.00250	.00300
.646	2.170	2.15000	.07950	.03580	.07800	.03880	2.01000	.00130	-.04070	-.00370	.00290
.646	4.440	2.18000	.18930	.02980	.18640	.04430	4.20800	.00280	-.04070	-.00450	.00290
.646	5.350	.05000	.66670	.00740	.66310	.06960	9.53000	-.01150	-.03990	.00000	.00000
.646	6.740	2.20000	.31140	.01870	.30710	.05510	5.57200	.00030	-.03970	-.00520	.00270
.646	9.060	2.22000	.43090	.00440	.42490	.07220	5.88500	-.00030	-.03940	-.00590	.00290
.646	11.330	2.23000	.55310	-.01140	.54450	.09750	5.58400	-.00080	-.03840	-.00770	.00270
.646	12.450	2.24000	.61120	-.01360	.59980	.11850	5.06000	-.00090	-.03620	-.00850	.00130
.646	14.640	2.25000	.70340	-.00860	.68280	.16940	4.03000	-.00020	-.03880	-.00710	.00230
.646	15.740	2.26000	.75610	-.00640	.72950	.19890	3.66700	-.00140	-.04010	-.00560	.00260
.646	16.850	2.28000	.80840	-.00460	.77500	.22990	3.37100	-.00150	-.03950	-.00520	.00230
.646	17.970	2.29000	.87240	-.00470	.83130	.26460	3.14100	-.00220	-.04100	-.00370	.00230
	GRADIENT	.01357	.04866	-.00078	.04801	.00066	1.14409	.00006	-.00024	-.00038	-.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E042) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 11.961 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 42/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.090	6.84000	.30930	.01590	.30520	.05260	5.80000	.00160	.12940	.01290	-.01720
.647	-4.070	6.84000	.30560	.01730	.30130	.05360	5.62500	.00510	.08940	.00900	-.01200
.647	-3.050	6.84000	.31090	.01780	.30660	.05470	5.60800	.00240	.06750	.00590	-.00930
.647	-2.040	6.84000	.31180	.01810	.30740	.05500	5.58500	.00220	.04580	.00420	-.00650
.647	-1.040	6.88000	.31410	.01830	.30960	.05580	5.55300	.00140	.02570	.00200	-.00420
.647	.090	6.92000	.31750	.01820	.31300	.05630	5.56000	.00200	.00360	-.00020	-.00180
.647	1.180	6.82000	.31340	.01870	.30890	.05580	5.53900	.00190	-.01880	-.00280	.00050
.647	2.210	6.77000	.31150	.01860	.30720	.05520	5.57000	.00040	-.04020	-.00510	.00290
.647	3.230	6.74000	.31050	.01830	.30620	.05460	5.60400	-.00080	-.06190	-.00700	.00580
.647	4.240	6.72000	.30520	.01790	.30100	.05340	5.63300	.00050	-.08280	-.00920	.00810
.647	5.270	6.70000	.30170	.01730	.29760	.05240	5.68100	.00050	-.10440	-.01160	.01040
.647	6.290	6.68000	.30190	.01640	.29790	.05150	5.78900	.00070	-.12670	-.01370	.01300
.647	7.320	6.68000	.30280	.01560	.29890	.05070	5.89400	-.00040	-.14600	-.01550	.01490
.647	8.330	6.66000	.30130	.01540	.29750	.05030	5.91900	-.00120	-.16380	-.01700	.01590
	GRADIENT	-.01565	-.00007	.00008	-.00006	-.00001	-.00039	-.00049	-.02059	-.00208	.00237

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E043) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 11.947 ALPHA = 12.000
SPDBRK = 11.500 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 43/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.070	13.42000	.64700	-.01380	.63250	.13680	4.62300	.00400	.12060	.01730	-.01460
.648	-4.050	13.46000	.65170	-.01250	.63670	.13950	4.56500	.00310	.08430	.01060	-.01080
.648	-3.030	13.45000	.65560	-.01160	.64030	.14120	4.53400	.00080	.06480	.00750	-.00890
.648	-2.000	13.44000	.65190	-.01120	.63660	.14060	4.52800	.00220	.04340	.00460	-.00650
.648	-.970	13.46000	.65360	-.01050	.63810	.14200	4.49400	.00130	.02470	.00130	-.00440
.648	.030	13.44000	.65200	-.01040	.63660	.14140	4.50200	.00130	.00380	-.00140	-.00200
.648	1.070	13.45000	.65520	-.01050	.63970	.14210	4.50200	-.00050	-.01700	-.00420	.00030
.648	2.090	13.44000	.65270	-.01050	.63730	.14150	4.50600	-.00110	-.03730	-.00740	.00250
.648	3.110	13.44000	.65320	-.01090	.63790	.14130	4.51500	-.00310	-.05780	-.01110	.00460
.648	4.120	13.43000	.65100	-.01120	.63580	.14030	4.53100	-.00250	-.07870	-.01430	.00680
.648	5.170	13.44000	.64950	-.01220	.63450	.13910	4.56200	-.00270	-.09940	-.01730	.00840
.648	6.210	13.44000	.64920	-.01350	.63460	.13780	4.60600	-.00260	-.11820	-.01960	.00950
.648	7.270	13.44000	.64970	-.01490	.63540	.13650	4.65400	-.00330	-.13590	-.02140	.01080
.648	8.300	13.43000	.64650	-.01510	.63230	.13550	4.66800	-.00310	-.15490	-.02300	.01240
	GRADIENT	-.00261	-.00011	.00014	-.00013	.00009	-.00378	-.00069	-.01994	-.00302	.00218

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E044) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.042	RDA =	-.032
ALPHA =	6.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 44/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-10.870	6.70000	.30870	.00040	.30660	.03650	8.41100	.00500	.00210	-.00030	-.00150
.647	-10.100	6.70000	.30970	.00040	.30750	.03650	8.42900	.00400	.00170	-.00030	-.00130
.647	-8.120	6.70000	.31110	.00050	.30890	.03680	8.39500	.00460	.00200	-.00030	-.00140
.647	-5.980	6.70000	.31260	.00140	.31030	.03780	8.20600	.00210	.00170	-.00020	-.00130
.647	-4.020	6.71000	.32330	.00330	.32070	.04110	7.80900	-.00460	.00170	-.00030	-.00130
.647	-2.030	6.72000	.33430	.00620	.33130	.04520	7.32300	-.01080	.00190	-.00020	-.00160
.647	-.030	6.72000	.33990	.00820	.33660	.04790	7.02100	-.01560	.00240	-.00020	-.00170
.647	1.970	6.72000	.34720	.00990	.34360	.05050	6.80500	-.01970	.00140	-.00040	-.00140
.647	3.920	6.72000	.35090	.01110	.34720	.05210	6.66000	-.02230	.00100	-.00030	-.00110
.647	6.180	6.73000	.35590	.01260	.35200	.05420	6.49500	-.02490	.00010	-.00030	-.00070
.647	8.040	6.73000	.35800	.01370	.35390	.05560	6.36700	-.02650	.00080	-.00040	-.00100
.647	10.030	6.74000	.36210	.01540	.35780	.05770	6.19600	-.02830	.00220	-.00030	-.00170
.647	11.840	6.74000	.36530	.00910	.36170	.05190	6.97400	-.03010	.00270	-.00020	-.00190
.647	14.170	6.74000	.37090	.01910	.36610	.06260	5.85200	-.03230	.00320	-.00020	-.00200
.647	18.430	6.75000	.38080	.02400	.37530	.06860	5.46800	-.03840	.00250	-.00030	-.00200
.647	21.830	6.76000	.38990	.02820	.38390	.07390	5.19300	-.04420	.00310	-.00020	-.00210
	GRADIENT	.00101	.00343	.00097	.00329	.00137	-.14174	-.00223	-.00010	-.00001	.00003

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E045) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.070	RDA =	-.021
ALPHA =	12.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 45/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-10.900	13.50000	.66760	-.03190	.65660	.12480	5.26200	-.00240	.00310	-.00030	-.00200
.648	-10.040	13.50000	.66710	-.03180	.65610	.12480	5.25700	-.00300	.00300	-.00030	-.00200
.648	-8.060	13.49000	.67000	-.03440	.65960	.12290	5.36500	-.00400	.00340	-.00030	-.00190
.648	-6.550	13.50000	.67210	-.03080	.66080	.12690	5.20900	-.00580	.00340	-.00030	-.00210
.648	-4.060	13.50000	.68450	-.02850	.67230	.13200	5.09100	-.01430	.00240	-.00030	-.00180
.648	-1.980	13.51000	.69560	-.02490	.68220	.13830	4.93400	-.02070	.00210	-.00040	-.00170
.648	.120	13.51000	.70150	-.02280	.68740	.14170	4.85100	-.02420	.00160	-.00040	-.00150
.648	2.000	13.51000	.70590	-.02090	.69120	.14470	4.77800	-.02710	.00090	-.00040	-.00110
.648	4.070	13.51000	.70690	-.01930	.69180	.14640	4.72500	-.02910	.00100	-.00040	-.00120
.648	6.020	13.52000	.71280	-.01780	.69720	.14930	4.67000	-.03050	.00130	-.00040	-.00140
.648	8.010	13.52000	.71470	-.01590	.69860	.15170	4.60600	-.03210	.00210	-.00050	-.00180
.648	10.020	13.52000	.71810	-.01400	.70150	.15430	4.54600	-.03360	.00310	-.00040	-.00220
.648	12.010	13.52000	.72290	-.01200	.70560	.15740	4.48200	-.03580	.00330	-.00050	-.00220
.648	13.770	13.53000	.72740	-.00960	.70950	.16080	4.41200	-.03790	.00330	-.00040	-.00220
.648	17.990	13.53000	.73860	-.00330	.71880	.16970	4.23700	-.04470	.00310	-.00030	-.00200
.648	21.900	13.54000	.74850	.00210	.72720	.17730	4.10200	-.05180	.00310	-.00070	-.00200
	GRADIENT	.00100	.00273	.00111	.00238	.00174	-.04396	-.00178	-.00020	-.00001	.00009

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E046) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-1.569	RDA =	.018		
ALPHA =	6.000	BETA =	.000		
SPDBRK =	11.500	RN/L =	6.500		
GRIT =	.000				

RUN NO. 46/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-10.880	6.70000	.31650	.00030	.31430	.03720	8.44800	.00070	.00410	-.00120	-.00190
.647	-10.070	6.69000	.31410	.00040	.31190	.03700	8.44000	.00080	.00330	-.00130	-.00180
.647	-8.110	6.70000	.31610	.00050	.31390	.03740	8.39900	.00120	.00370	-.00130	-.00190
.647	-6.120	6.69000	.31290	.00140	.31060	.03790	8.19900	.00280	.00200	-.00030	-.00140
.647	-4.000	6.69000	.31250	.00370	.30990	.04010	7.72800	.00090	.00320	-.00110	-.00170
.647	-1.790	6.68000	.30990	.00730	.30690	.04330	7.08400	.00100	.00270	-.00080	-.00190
.647	-.090	6.67000	.30320	.00950	.30000	.04470	6.71900	.00230	.00250	-.00060	-.00180
.647	2.020	6.67000	.30310	.01130	.29980	.04640	6.45400	.00200	.00250	-.00110	-.00160
.647	3.870	6.66000	.30100	.01260	.29750	.04750	6.26900	.00300	.00170	-.00090	-.00140
.647	5.990	6.67000	.30310	.01420	.29940	.04930	6.07700	.00130	.00210	-.00120	-.00160
.647	8.060	6.67000	.30300	.01580	.29910	.05080	5.88200	.00160	.00240	-.00070	-.00160
.647	10.060	6.67000	.30270	.01760	.29860	.05270	5.67000	.00200	.00260	-.00050	-.00190
.647	12.100	6.66000	.30070	.01970	.29640	.05450	5.44000	.00310	.00290	-.00040	-.00190
.647	14.040	6.66000	.30190	.02210	.29730	.05700	5.21400	.00240	.00390	-.00120	-.00240
.647	16.150	6.66000	.30070	.02500	.29580	.05970	4.95300	.00240	.00420	-.00140	-.00250
.647	18.290	6.66000	.29930	.02790	.29400	.06240	4.70900	.00290	.00450	-.00110	-.00250
.647	21.890	6.65000	.29730	.03320	.29150	.06740	4.32200	.00270	.00400	-.00040	-.00230
	GRADIENT	-.00357	-.00151	.00112	-.00162	.00092	-.18206	.00026	-.00016	.00000	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E047) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -2.139 RDA = .033
ALPHA = 12.000 BETA = .000
SPDBRK = .000 RN/L = 6.500
GRIT = .000

RUN NO. 47/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-10.880	13.50000	.66410	-.03160	.65320	.12430	5.25500	-.00060	.00360	-.00050	-.00210
.649	-9.910	13.49000	.66140	-.03190	.65060	.12340	5.27400	.00010	.00370	-.00090	-.00220
.649	-8.160	13.49000	.66460	-.03160	.65360	.12440	5.25600	-.00070	.00380	-.00070	-.00220
.649	-6.170	13.49000	.66210	-.03120	.65110	.12410	5.24600	.00010	.00430	-.00110	-.00220
.649	-4.030	13.48000	.65720	-.02840	.64570	.12560	5.14200	-.00050	.00380	-.00130	-.00210
.649	-1.860	13.48000	.65840	-.02520	.64610	.12900	5.01000	-.00050	.00310	-.00100	-.00180
.649	.170	13.47000	.65510	-.02270	.64240	.13050	4.92100	-.00040	.00260	-.00090	-.00160
.649	2.110	13.48000	.65610	-.02080	.64290	.13260	4.84700	.00010	.00190	-.00080	-.00130
.649	4.230	13.48000	.65560	-.01890	.64190	.13440	4.77500	-.00020	.00240	-.00050	-.00150
.649	5.930	13.47000	.65450	-.01760	.64060	.13540	4.73200	.00020	.00130	-.00050	-.00140
.649	7.930	13.47000	.65450	-.01540	.64000	.13750	4.65600	-.00020	.00300	-.00130	-.00180
.649	10.060	13.48000	.65510	-.01280	.64000	.14020	4.56600	.00040	.00360	-.00130	-.00210
.649	11.580	13.47000	.65290	-.01720	.63890	.13530	4.72100	.00040	.00480	-.00160	-.00230
.649	14.040	13.47000	.65430	-.00780	.63810	.14480	4.40700	.00020	.00410	-.00100	-.00240
.649	15.980	13.47000	.65390	-.00520	.63710	.14730	4.32600	.00040	.00340	-.00080	-.00220
.649	21.830	13.47000	.65440	.00420	.63540	.15650	4.06000	-.00030	.00290	-.00020	-.00190
	GRADIENT	-.00001	-.00027	.00114	-.00053	.00104	-.04384	.00006	-.00019	.00009	.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E048) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.261	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 48/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.150	-.01000	-.11670	.02030	-.11590	.02470	-4.69300	.00070	-.00300	-.00100	.00130
.648	-.010	.00000	-.01530	.02010	-.01520	.02010	-.76000	.00050	-.00340	-.00100	.00130
.648	2.200	.00000	.09020	.01650	.08950	.01990	4.49700	.00160	-.00180	-.00140	.00060
.648	4.420	.00000	.20060	.01280	.19900	.02830	7.04000	.00160	-.00050	-.00200	.00030
.648	6.680	.02000	.31940	.00140	.31710	.03860	8.21100	.00030	-.00050	-.00220	.00010
.648	8.960	.02000	.43970	-.01410	.43650	.05450	8.01200	-.00200	-.00010	-.00210	-.00020
.648	11.220	.03000	.55900	-.03100	.55440	.07850	7.06600	-.00090	-.00100	-.00190	-.00010
.648	12.350	.03000	.62050	-.03520	.61370	.09830	6.24200	-.00200	-.00070	-.00170	-.00060
.648	13.490	.03000	.66590	-.03060	.65470	.12550	5.21600	-.00080	-.00160	-.00070	.00010
.648	14.550	.03000	.71150	-.02900	.69600	.15060	4.62000	-.00030	.00050	-.00220	-.00060
.648	15.640	.04000	.76410	-.02680	.74300	.18020	4.12400	-.00170	-.00010	-.00140	-.00050
.648	16.760	.05000	.81510	-.02430	.78750	.21180	3.71800	-.00160	-.00050	-.00050	-.00050
.648	17.870	.06000	.87140	-.02320	.83640	.24530	3.41000	-.00120	-.00180	.00130	-.00030
	GRADIENT	.00136	.04824	-.00119	.04788	.00049	1.84483	.00017	.00042	-.00016	-.00017

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E049) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.030J				

PARAMETRIC DATA

RDBF =	-10.239	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 49/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.150	2.09000	-.11420	.02030	-.11330	.02460	-4.60400	-.00050	-.03550	-.00330	.00110
.648	-.030	2.11000	-.01490	.02150	-.01490	.02150	-.69400	-.00070	-.04030	-.00390	.00370
.648	2.190	2.15000	.08980	.01930	.08900	.02270	3.92400	.00180	-.03940	-.00520	.00270
.648	4.470	2.18000	.20870	.01310	.20710	.02930	7.06000	.00160	-.04020	-.00570	.00280
.648	6.770	2.20000	.33160	.00100	.32920	.04010	8.20700	-.00100	-.04100	-.00610	.00350
.648	9.070	2.23000	.44440	-.01360	.44100	.05660	7.78800	-.00160	-.04010	-.00730	.00340
.648	11.350	2.23000	.56680	-.03210	.56210	.08010	7.01800	-.00200	-.04110	-.00800	.00410
.648	12.470	2.23000	.62410	-.03500	.61690	.10050	6.13700	-.00160	-.03950	-.00890	.00330
.648	13.570	2.23000	.66650	-.03070	.65510	.12640	5.18100	-.00180	-.04210	-.00770	.00430
.648	14.640	2.24000	.71820	-.02930	.70250	.15270	4.60200	-.00180	-.04180	-.00790	.00400
.648	15.740	2.26000	.76710	-.02810	.74590	.18110	4.11900	-.00160	-.04090	-.00770	.00350
.648	16.840	2.27000	.81830	-.02490	.79050	.21320	3.70700	-.00150	-.04340	-.00600	.00400
.648	17.940	2.29000	.87210	-.02520	.83750	.24480	3.42100	-.00010	-.04520	-.00420	.00430
	GRADIENT	.01405	.04863	-.00109	.04826	.00071	1.79236	.00040	-.00059	-.00038	.00018

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E050) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.238	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 50/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.010	6.80000	.32800	-.00280	.32600	.03610	9.03600	.00070	.11380	.01160	-.01020
.647	-3.990	6.80000	.32900	-.00080	.32680	.03810	8.57700	.00110	.07610	.00630	-.00650
.647	-2.970	6.78000	.32850	-.00060	.32630	.03810	8.55300	.00010	.05710	.00420	-.00500
.647	-1.950	6.77000	.33320	.00150	.33070	.04080	8.10200	-.00080	.03870	.00220	-.00390
.647	-.930	6.73000	.32920	.00130	.32670	.03990	8.19000	-.00080	.01400	.00010	.00020
.647	.010	6.71000	.32140	.00130	.31900	.03880	8.22100	-.00030	-.00100	-.00180	.00040
.647	1.030	6.82000	.32410	.00070	.32180	.03910	8.22000	.00020	-.01910	-.00420	.00170
.647	2.090	6.83000	.32030	.00130	.31790	.03930	8.07900	.00360	-.03830	-.00670	.00310
.647	3.130	6.83000	.32170	-.00040	.31950	.03790	8.43700	-.00030	-.06000	-.00850	.00570
.647	4.170	6.81000	.31900	-.00010	.31680	.03780	8.38700	.00060	-.07630	-.01050	.00600
.647	5.200	6.80000	.31640	-.00160	.31430	.03590	8.75100	-.00020	-.09910	-.01140	.00840
.647	6.230	6.81000	.32080	-.00200	.31880	.03610	8.84200	-.00070	-.11710	-.01420	.00910
.647	7.260	6.80000	.31790	-.00290	.31600	.03480	9.08000	.00050	-.13820	-.01540	.01170
	GRADIENT	.00660	-.00149	.00004	-.00149	-.00009	-.01817	.00011	-.01882	-.00209	.00160

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E051) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.226 ALPHA = 12.000
SPDBRK = 15.000 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 51/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.070	13.45000	.66910	-.03580	.65910	.12080	5.45800	-.00030	.11400	.01570	-.01100
.647	-4.050	13.49000	.66890	-.03320	.65820	.12380	5.31700	-.00050	.07750	.00960	-.00760
.647	-3.030	13.49000	.66940	-.03210	.65840	.12490	5.27100	-.00090	.05800	.00710	-.00560
.647	-2.000	13.49000	.66900	-.03110	.65780	.12580	5.23000	-.00160	.03880	.00430	-.00400
.647	-.970	13.50000	.66580	-.03060	.65450	.12570	5.20500	.00010	.01830	.00160	-.00190
.647	.050	13.50000	.66760	-.03070	.65640	.12600	5.21000	-.00080	-.00050	-.00190	-.00020
.647	1.080	13.49000	.66670	-.03100	.65550	.12530	5.23000	-.00190	-.02190	-.00480	.00260
.647	2.110	13.48000	.66460	-.03080	.65350	.12500	5.23000	-.00190	-.04160	-.00730	.00460
.647	3.140	13.48000	.66110	-.03140	.65010	.12360	5.26000	-.00120	-.06040	-.01110	.00590
.647	4.180	13.48000	.65760	-.03210	.64700	.12200	5.30100	-.00170	-.07880	-.01500	.00700
.647	5.220	13.47000	.65870	-.03410	.64860	.12030	5.39100	-.00180	-.09750	-.01780	.00790
.647	6.260	13.47000	.65970	-.03470	.64960	.11990	5.41700	-.00120	-.11560	-.02040	.00820
.647	7.290	13.46000	.65900	-.03530	.64910	.11910	5.45000	-.00130	-.13220	-.02260	.00880
	GRADIENT	-.00162	-.00127	.00011	-.00125	-.00021	-.00115	-.00013	-.01915	-.00296	.00186

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E052) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.068	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 52/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.140	-.01000	-.11250	.02140	-.11160	.02560	-4.36000	.00020	-.00240	-.00120	.00100
.648	.000	.00000	-.01340	.02310	-.01340	.02310	-.58300	.00090	-.00350	-.00070	.00150
.648	2.210	.00000	.09350	.02070	.09260	.02430	3.81500	.00160	-.00180	-.00130	.00090
.648	4.440	.00000	.20470	.01370	.20310	.02960	6.86900	.00100	-.00090	-.00190	.00040
.648	6.690	.02000	.31800	.00250	.31550	.03950	7.98400	.00080	-.00130	-.00170	.00040
.648	8.980	.03000	.43910	-.01320	.43570	.05550	7.84900	-.00060	-.00100	-.00120	.00010
.648	11.240	.03000	.55780	-.02990	.55300	.07940	6.96400	.00010	-.00160	-.00070	.00020
.648	12.360	.04000	.61900	-.03330	.61180	.10000	6.11900	-.00020	.00050	-.00200	-.00090
.648	13.490	.03000	.66790	-.02960	.65640	.12690	5.17100	-.00100	-.00090	-.00120	-.00010
.648	14.570	.03000	.71460	-.02760	.69860	.15310	4.56400	-.00170	.00020	-.00190	-.00040
.648	15.660	.04000	.76060	-.02480	.73900	.18150	4.07300	-.00100	.00070	-.00170	-.00070
.648	16.790	.05000	.81420	-.02330	.78620	.21280	3.69500	-.00090	-.00050	-.00010	-.00030
.648	17.910	.06000	.87290	-.02180	.83730	.24780	3.37900	.00060	-.00040	.00050	-.00060
	GRADIENT	.00136	.04823	-.00117	.04785	.00061	1.73445	.00014	.00028	-.00012	-.00011

ARC 213-1-11 LA89 OV 1.01 WITH T/C (R2E053) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 53/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.160	2.09000	-.11520	.02130	-.11430	.02560	-4.45800	.00090	-.03670	-.00300	.00160
.648	-.020	2.12000	-.01410	.02360	-.01410	.02360	-.59500	.00080	-.04220	-.00340	.00410
.648	2.200	2.15000	.09570	.02040	.09480	.02400	3.94800	.00120	-.03940	-.00540	.00270
.648	4.480	2.18000	.21170	.01390	.21000	.03040	6.91800	.00090	-.04020	-.00600	.00280
.648	6.780	2.20000	.33090	.00200	.32840	.04110	7.99500	-.00030	-.04060	-.00660	.00340
.648	9.090	2.23000	.44560	-.01440	.44230	.05610	7.87700	-.00100	-.04250	-.00640	.00430
.648	11.360	2.22000	.56740	-.03080	.56230	.08160	6.89400	-.00180	-.04200	-.00740	.00450
.648	12.470	2.23000	.62210	-.03380	.61470	.10140	6.06300	-.00040	-.03990	-.00900	.00340
.648	13.570	2.23000	.66930	-.02920	.65750	.12870	5.11000	-.00160	-.04250	-.00790	.00450
.648	14.660	2.24000	.71730	-.02860	.70110	.15390	4.55500	-.00150	-.04180	-.00780	.00410
.648	15.760	2.25000	.76670	-.02650	.74510	.18270	4.07900	-.00100	-.04150	-.00760	.00390
.648	16.870	2.27000	.81670	-.02340	.78830	.21450	3.67400	-.00160	-.04370	-.00600	.00430
.648	17.990	2.29000	.87740	-.02320	.84170	.24890	3.38200	-.00030	-.04480	-.00510	.00420
	GRADIENT	.01355	.04927	-.00116	.04887	.00068	1.74512	.00002	-.00034	-.00050	.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E054) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -6.062 ALPHA = 6.000
SPDBRK = 15.000 BDFLAP = -6.000
RN/L = 6.500 GRIT = .000

RUN NO. 54/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.010	6.81000	.32890	-.00160	.32680	.03740	8.73800	.00030	.11370	.01190	-.01050
.647	-3.990	6.80000	.32810	.00000	.32580	.03880	8.39000	.00100	.07580	.00690	-.00630
.647	-2.970	6.79000	.32860	.00020	.32620	.03910	8.35100	.00030	.05780	.00450	-.00500
.647	-1.950	6.78000	.33160	.00230	.32900	.04140	7.94100	.00070	.03870	.00200	-.00390
.647	-.930	6.73000	.32580	.00230	.32330	.04040	7.99400	.00010	.01470	.00000	.00020
.647	.010	6.72000	.32310	.00210	.32060	.04000	8.02400	-.00040	-.00070	-.00210	.00030
.647	1.040	6.83000	.32440	.00180	.32190	.04040	7.97000	.00030	-.01970	-.00410	.00210
.647	2.090	6.85000	.32730	.00220	.32470	.04120	7.88200	.00030	-.03870	-.00650	.00330
.647	3.130	6.83000	.32130	.00060	.31890	.03890	8.20800	.00020	-.06140	-.00780	.00620
.647	4.180	6.82000	.31910	.00080	.31670	.03870	8.18500	.00150	-.07960	-.00950	.00690
.647	5.200	6.81000	.31780	-.00080	.31570	.03690	8.55900	-.00070	-.10080	-.01110	.00920
.647	6.230	6.81000	.32160	-.00100	.31940	.03720	8.59700	-.00080	-.11820	-.01390	.00960
.647	7.260	6.80000	.31840	-.00160	.31630	.03610	8.76000	-.00010	-.13850	-.01570	.01180
	GRADIENT	.00724	-.00111	.00006	-.00112	-.00002	-.02247	.00002	-.01915	-.00202	.00168

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E055) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -6.062 ALPHA = 12.000
SPDBRK = 15.000 BDFLAP = -6.000
RN/L = 6.500 GRIT = .000

RUN NO. 55/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.070	13.45000	.66720	-.03430	.65690	.12180	5.39100	.00010	.11330	.01630	-.01140
.648	-4.060	13.49000	.66780	-.03210	.65690	.12460	5.27400	-.00010	.07730	.01040	-.00760
.648	-3.030	13.49000	.66770	-.03070	.65650	.12590	5.21600	-.00140	.05830	.00710	-.00590
.648	-2.000	13.50000	.67060	-.02980	.65900	.12750	5.17000	-.00210	.03890	.00430	-.00420
.648	-.970	13.50000	.67010	-.02990	.65850	.12740	5.16900	-.00190	.01970	.00120	-.00230
.648	.050	13.50000	.66780	-.02990	.65640	.12690	5.17300	-.00090	-.00090	-.00170	.00010
.648	1.080	13.49000	.66480	-.03000	.65350	.12590	5.19000	-.00090	-.02270	-.00440	.00300
.648	2.110	13.49000	.66590	-.02970	.65450	.12640	5.17700	-.00170	-.04120	-.00780	.00460
.648	3.140	13.49000	.66130	-.03020	.65010	.12480	5.20800	-.00150	-.06130	-.01090	.00630
.648	4.180	13.48000	.65820	-.03110	.64730	.12310	5.25700	-.00170	-.08000	-.01460	.00770
.648	5.230	13.48000	.65710	-.03250	.64650	.12150	5.32100	-.00120	-.09900	-.01810	.00860
.648	6.260	13.48000	.66390	-.03390	.65350	.12183	5.36500	-.00310	-.11650	-.02080	.00910
.648	7.290	13.47000	.66310	-.03440	.65290	.12090	5.39800	-.00120	-.13290	-.02250	.00930
	GRADIENT	-.00114	-.00117	.00009	-.00116	-.00021	-.00091	-.00008	-.01928	-.00298	.00195

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E056) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.094	BETA =	.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 56/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.160	-.01000	-.12330	.02780	-.12220	.03240	-3.77200	.00200	-.00140	-.00090	.00020
.647	-.010	.01000	-.01880	.03000	-.01880	.03000	-.62600	.00090	-.00120	-.00100	.00020
.647	2.210	.01000	.08760	.02780	.08650	.03120	2.77200	.00170	-.00160	-.00090	.00030
.647	4.440	.01000	.19550	.02140	.19330	.03640	5.30400	.00150	-.00240	-.00060	.00050
.647	6.690	.03000	.31110	.01050	.30780	.04670	6.59700	.00120	-.00190	-.00130	.00030
.647	8.970	.02000	.42810	-.00440	.42360	.06230	6.79500	.00080	-.00210	-.00120	.00040
.647	11.240	.03000	.55280	-.02120	.54630	.08690	6.28400	-.00090	-.00170	-.00170	.00030
.647	12.370	.03000	.61230	-.02480	.60340	.10690	5.64500	-.00070	-.00050	-.00240	-.00050
.647	13.500	.02000	.65960	-.02180	.64640	.13280	4.86800	-.00090	-.00170	-.00160	.00050
.647	14.570	.03000	.70610	-.02080	.68860	.15750	4.37300	-.00020	-.00200	-.00170	.00030
.647	15.660	.04000	.75070	-.01760	.72760	.18570	3.91800	.00020	-.00130	-.00160	.00030
.647	16.780	.05000	.80400	-.01640	.77450	.21640	3.57900	-.00010	-.00150	-.00060	.00010
.647	17.900	.06000	.86330	-.01550	.82630	.25050	3.29800	.00060	-.00310	.00200	.00030
	GRADIENT	.00271	.04826	-.00098	.04777	.00061	1.39036	-.00003	-.00016	.00005	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E057) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .089 BETA = 2.000
SPDBRK = 15.000 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 57/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.170	2.08000	-.12350	.02690	-.12240	.03150	-3.88400	.00070	-.04270	-.00290	.00470
.648	-.040	2.11000	-.02480	.02920	-.02480	.02920	-.84900	.00200	-.04350	-.00380	.00480
.648	2.190	2.14000	.08510	.02720	.08400	.03050	2.75700	.00090	-.04420	-.00450	.00490
.648	4.450	2.17000	.19590	.02050	.19370	.03560	5.44100	.00170	-.04430	-.00540	.00500
.648	6.760	2.19000	.31520	.00880	.31190	.04580	6.80700	.00090	-.04450	-.00620	.00500
.648	9.070	2.22000	.43370	-.00610	.42920	.06230	6.89000	.00000	-.04440	-.00670	.00540
.648	11.340	2.22000	.55570	-.02230	.54930	.08740	6.28600	-.00040	-.04380	-.00810	.00540
.648	12.480	2.23000	.61810	-.02560	.60900	.10850	5.61300	-.00080	-.04160	-.00930	.00410
.648	13.590	2.23000	.66310	-.02180	.64960	.13460	4.82500	-.00200	-.04400	-.00770	.00520
.648	14.670	2.25000	.71030	-.02110	.69250	.15950	4.34300	-.00110	-.04420	-.00770	.00490
.648	15.760	2.25000	.75790	-.01970	.73470	.18690	3.93200	.00000	-.04340	-.00750	.00480
.648	16.860	2.27000	.80870	-.01710	.77890	.21823	3.56900	-.00120	-.04470	-.00630	.00480
.648	17.990	2.29000	.87220	-.01820	.83520	.25210	3.31300	-.00010	-.04820	-.00370	.00560
	GRADIENT	.01358	.04836	-.00097	.04786	.00063	1.42914	.00008	-.00025	-.00037	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E058) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .155 ALPHA = 6.000
SPDBRK = 15.000 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 58/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.000	6.79000	.31720	.00510	.31440	.04260	7.38300	.00120	.12310	.01210	-.01470
.648	-3.990	6.79000	.31890	.00700	.31590	.04460	7.07800	.00080	.08060	.00740	-.00920
.648	-2.970	6.77000	.31530	.00810	.31210	.04520	6.90900	.00190	.05920	.00520	-.00640
.648	-1.950	6.76000	.31920	.00870	.31590	.04620	6.84500	.00010	.03750	.00310	-.00380
.648	-.930	6.72000	.31570	.00380	.31310	.04080	7.68300	.00020	.01690	.00100	-.00150
.648	.010	6.71000	.31090	.01050	.30750	.04670	6.58200	.00130	-.00150	-.00130	.00040
.648	1.040	6.81000	.31570	.01000	.31230	.04740	6.59400	.00040	-.02210	-.00330	.00280
.648	2.090	6.82000	.31340	.00910	.31010	.04630	6.70400	.00120	-.04310	-.00580	.00500
.648	3.130	6.82000	.31290	.00830	.30970	.04540	6.82300	.00030	-.06450	-.00800	.00760
.648	4.170	6.79000	.30860	.00720	.30560	.04370	7.00000	.00060	-.08660	-.00960	.01030
.648	5.190	6.79000	.30780	.00590	.30490	.04230	7.21000	.00000	-.10690	-.01180	.01230
.648	6.220	6.79000	.30850	.00470	.30580	.04110	7.43800	.00120	-.12890	-.01420	.01480
.648	7.250	6.79000	.31090	.00300	.30840	.03980	7.74600	.00050	-.14910	-.01590	.01720
	GRADIENT	.00593	-.00098	.00013	-.00099	.00006	-.03098	-.00005	-.02033	-.00213	.00233

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E059) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.042	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 59/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	13.46000	.66240	-.02690	.65040	.12800	5.08000	-.00030	.11860	.01670	-.01390
.648	-4.050	13.50000	.66090	-.02450	.64840	.13040	4.97200	.00060	.08000	.01050	-.00900
.648	-3.020	13.49000	.65950	-.02310	.64670	.13130	4.92400	-.00040	.05960	.00730	-.00670
.648	-2.000	13.49000	.65740	-.02240	.64450	.13160	4.89900	.00010	.03850	.00400	-.00410
.648	-.970	13.50000	.65850	-.02200	.64550	.13230	4.87800	-.00060	.01850	.00090	-.00180
.648	.050	13.50000	.66100	-.02190	.64780	.13310	4.86800	-.00030	-.00210	-.00180	.00060
.648	1.080	13.49000	.65670	-.02210	.64380	.13160	4.89100	-.00040	-.02280	-.00470	.00290
.648	2.110	13.49000	.65880	-.02220	.64580	.13210	4.88800	-.00140	-.04350	-.00760	.00520
.648	3.140	13.49000	.65610	-.02320	.64340	.13050	4.93100	-.00130	-.06380	-.01100	.00750
.648	4.180	13.49000	.65490	-.02420	.64250	.12920	4.97400	-.00160	-.08360	-.01480	.00940
.648	5.220	13.48000	.65400	-.02600	.64210	.12720	5.05000	-.00110	-.10360	-.01810	.01080
.648	6.250	13.48000	.65700	-.02810	.64540	.12580	5.13000	-.00110	-.12340	-.02060	.01220
.648	7.280	13.48000	.65740	-.02920	.64610	.12480	5.17500	-.00240	-.14160	-.02270	.01390
	GRADIENT	-.00081	-.00054	.00002	-.00053	-.00011	.00035	-.00023	-.01994	-.00300	.00226

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E060) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO	RDBF =	6.037	BETA =	.000
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO	SPDBRK =	15.000	BDFLAP =	6.000
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO	RN/L =	6.500	GRIT =	.000
SCALE =	.0300						

PARAMETRIC DATA

RUN NO. 60/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.180	-.01000	-.12730	.02890	-.12610	.03370	-3.74200	.00130	-.00220	-.00080	.00080
.648	-.030	.00000	-.02610	.03450	-.02610	.03450	-.75600	.00190	-.00240	-.00090	.00080
.648	2.190	.00000	.08170	.03250	.08040	.03560	2.25700	.00260	-.00190	-.00110	.00050
.648	4.430	.01000	.19430	.02600	.19170	.04090	4.68500	.00130	-.00180	-.00140	.00060
.648	6.670	.03000	.30520	.01530	.30130	.05070	5.94700	.00070	-.00230	-.00150	.00060
.648	8.960	.03000	.42510	.00050	.41980	.06660	6.30000	.00030	-.00240	-.00140	.00070
.648	11.230	.03000	.54990	-.01590	.54250	.09160	5.92300	.00030	-.00230	-.00230	.00050
.648	12.360	.04000	.61020	-.01920	.60020	.11190	5.36400	-.00060	-.00110	-.00220	-.00020
.648	13.500	.03000	.66040	-.01630	.64600	.13840	4.66900	-.00090	-.00240	-.00120	.00070
.648	14.570	.03000	.70520	-.01510	.68630	.16280	4.21400	.00040	-.00100	-.00210	-.00010
.648	15.670	.04000	.75220	-.01170	.72740	.19180	3.79300	-.00010	-.00150	-.00130	.00020
.648	16.780	.05000	.80530	-.01020	.77390	.22270	3.47500	.00000	-.00280	.00020	.00050
.648	17.910	.06000	.86350	-.00860	.82430	.25730	3.20400	-.00050	-.00240	.00080	.00000
	GRADIENT	.00272	.04865	-.00050	.04807	.00103	1.28261	.00003	.00008	-.00009	-.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E061) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.984	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 61/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.180	2.08000	-.12960	.03120	-.12830	.03610	-3.55400	.00090	-.04550	-.00290	.00580
.647	-.040	2.11000	-.02880	.03370	-.02880	.03370	-.85500	.00250	-.04590	-.00380	.00590
.647	2.180	2.14000	.07940	.03180	.07810	.03480	2.24500	.00210	-.04610	-.00460	.00590
.647	4.450	2.17000	.19440	.02530	.19190	.04030	4.76600	.00130	-.04610	-.00610	.00570
.647	6.750	2.19000	.31240	.01410	.30860	.05070	6.08800	.00090	-.04550	-.00650	.00560
.647	9.070	2.22000	.43380	-.00060	.42850	.06780	6.32400	-.00050	-.04530	-.00720	.00570
.647	11.350	2.22000	.55780	-.01670	.55020	.09340	5.88900	-.00130	-.04370	-.00910	.00540
.647	12.470	2.23000	.61680	-.01960	.60650	.11400	5.31900	-.00140	-.04310	-.00900	.00440
.647	13.560	2.23000	.65930	-.01640	.64480	.13860	4.65100	-.00050	-.04480	-.00740	.00540
.647	14.660	2.24000	.70990	-.01430	.69050	.16520	4.18000	-.00100	-.04370	-.00810	.00480
.647	15.750	2.25000	.75900	-.01350	.73420	.19300	3.80500	-.00100	-.04380	-.00730	.00460
.647	16.860	2.27000	.80840	-.01090	.77680	.22410	3.46700	-.00080	-.04590	-.00500	.00520
.647	17.980	2.28000	.87060	-.01090	.83150	.25830	3.21900	-.00110	-.04630	-.00460	.00490
	GRADIENT	.01357	.04887	-.00090	.04829	.00063	1.26871	.00003	-.00009	-.00047	-.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E062) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 6.009 ALPHA = 6.000
SPDBRK = 15.000 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 62/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.000	6.78000	.31380	.01100	.31030	.04800	6.47000	.00100	.12220	.01260	-.01470
.648	-3.980	6.77000	.31510	.01250	.31150	.04950	6.28700	.00040	.08130	.00760	-.00930
.648	-2.970	6.76000	.31380	.01330	.31000	.05010	6.18600	.00100	.06000	.00510	-.00660
.648	-1.940	6.74000	.31200	.01390	.30820	.05040	6.11800	.00160	.03790	.00300	-.00380
.648	-.930	6.70000	.30660	.01470	.30280	.05040	6.00500	.00220	.01690	.00100	-.00130
.648	.010	6.69000	.30790	.01520	.30400	.05090	5.96800	.00090	-.00220	-.00170	.00060
.648	1.040	6.80000	.31070	.01470	.30680	.05130	5.97500	.00110	-.02270	-.00390	.00300
.648	2.080	6.81000	.31130	.01410	.30740	.05090	6.03300	.00090	-.04410	-.00640	.00550
.648	3.130	6.81000	.30920	.01380	.30530	.05030	6.06800	.00070	-.06600	-.00810	.00830
.648	4.160	6.78000	.30490	.01320	.30120	.04910	6.13400	.00050	-.08820	-.00960	.01120
.648	5.190	6.76000	.30370	.01230	.30010	.04810	6.23700	.00060	-.10960	-.01160	.01330
.648	6.220	6.79000	.30670	.01110	.30330	.04730	6.41200	-.00020	-.13150	-.01370	.01590
.648	7.250	6.77000	.30410	.01050	.30080	.04630	6.49600	-.00010	-.15200	-.01550	.01820
	GRADIENT	.00709	-.00085	.00007	-.00087	.00001	-.01890	-.00005	-.02069	-.00217	.00246

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E063) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	6.008	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 63/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.070	13.43000	.65530	-.02050	.64220	.13230	4.85500	.00110	.11760	.01660	-.01350
.647	-4.050	13.48000	.65730	-.01860	.64350	.13510	4.76300	.00020	.07900	.01060	-.00860
.647	-3.030	13.48000	.65620	-.01740	.64220	.13600	4.72100	.00030	.05870	.00770	-.00620
.647	-2.000	13.48000	.65900	-.01680	.64470	.13730	4.69700	-.00120	.03770	.00450	-.00380
.647	-.970	13.49000	.65850	-.01660	.64420	.13750	4.68400	-.00010	.01740	.00150	-.00150
.647	.050	13.50000	.65950	-.01610	.64500	.13830	4.66500	-.00050	-.00290	-.00170	.00070
.647	1.080	13.48000	.65520	-.01630	.64100	.13680	4.68400	.00010	-.02360	-.00430	.00310
.647	2.110	13.48000	.65530	-.01590	.64100	.13730	4.66800	-.00050	-.04460	-.00690	.00550
.647	3.140	13.48000	.64900	-.01620	.63490	.13550	4.68500	.00110	-.06480	-.01080	.00760
.647	4.180	13.47000	.64910	-.01170	.63400	.13980	4.53400	-.00020	-.08440	-.01500	.00940
.647	5.220	13.47000	.65180	-.01830	.63810	.13400	4.76100	-.00120	-.10470	-.01820	.01090
.647	6.250	13.47000	.65270	-.01990	.63930	.13270	4.81900	-.00070	-.12430	-.02030	.01260
.647	7.280	13.45000	.65040	-.02100	.63740	.13090	4.86900	-.00160	-.14160	-.02280	.01400
	GRADIENT	-.00081	-.00106	.00054	-.00114	.00027	-.01755	.00004	-.01993	-.00302	.00221

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E064) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.995	BETA =	.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 64/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.180	-.01000	-.12660	.03670	-.12510	.04150	-3.01500	.00110	-.00200	-.00010	.00050
.647	-.030	.00000	-.02520	.03950	-.02520	.03950	-.63900	.00220	-.00220	-.00020	.00040
.647	2.190	.01000	.08150	.03750	.08010	.04060	1.97100	.00280	-.00140	-.00070	.00020
.647	4.420	.01000	.19240	.03120	.18940	.04590	4.12400	.00160	-.00090	-.00110	.00010
.647	6.670	.02000	.30480	.02080	.30030	.05610	5.35500	.00140	-.00190	-.00090	.00020
.647	8.950	.03000	.42360	.00640	.41750	.07220	5.77900	.00110	-.00200	-.00070	.00020
.647	11.230	.03000	.55120	-.01000	.54260	.09750	5.56300	-.00020	-.00110	-.00170	-.00010
.647	12.360	.04000	.61030	-.01280	.59890	.11810	5.06900	.00040	-.00060	-.00190	-.00080
.647	13.490	.03000	.65840	-.00950	.64250	.14440	4.44900	-.00020	-.00190	-.00110	.00010
.647	14.570	.04000	.70890	-.00820	.68820	.17040	4.03900	-.00060	.00030	-.00200	-.00080
.647	15.670	.04000	.75420	-.00420	.72730	.19960	3.64300	.00030	-.00200	-.00020	.00000
.647	16.770	.06000	.80310	-.00210	.76950	.22970	3.35000	.00070	-.00060	.00000	-.00040
.647	17.910	.07000	.86530	-.00070	.82360	.26540	3.10400	.00030	-.00180	.00160	-.00040
	GRADIENT	.00317	.04831	-.00085	.04763	.00066	1.09097	.00009	.00019	-.00016	-.00006

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E065) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 12.007 BETA = 2.000
SPDBRK = 15.000 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 65/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.090	2.15000	-.12670	.03640	-.12530	.04100	-3.05500	.00190	-.04400	-.00260	.00530
.648	.080	2.15000	-.02110	.03870	-.02110	.03870	-.54600	.00060	-.04340	-.00360	.00510
.648	2.300	2.15000	.08410	.03680	.08260	.04020	2.05600	.00200	-.04360	-.00410	.00500
.648	4.540	2.15000	.19270	.03070	.18970	.04590	4.13600	.00210	-.04340	-.00520	.00480
.648	6.790	2.08000	.30840	.02000	.30380	.05630	5.39400	.00110	-.04290	-.00540	.00480
.648	9.030	2.09000	.42560	.00620	.41940	.07290	5.75000	.00040	-.04330	-.00620	.00480
.648	11.270	2.09000	.54750	-.00960	.53880	.09760	5.51900	-.00010	-.04190	-.00820	.00450
.648	12.400	2.10000	.60910	-.01280	.59760	.11830	5.05200	-.00130	-.04100	-.00830	.00360
.648	13.500	2.10000	.65600	-.00900	.64000	.14440	4.43100	-.00070	-.04180	-.00790	.00430
.648	14.590	2.11000	.70370	-.00760	.68290	.16990	4.02100	-.00080	-.04160	-.00770	.00400
.648	15.680	2.12000	.75250	-.00550	.72600	.19820	3.66400	-.00030	-.04310	-.00580	.00450
.648	16.790	2.12000	.80400	-.00300	.77060	.22940	3.35800	-.00010	-.04270	-.00560	.00410
.648	17.920	2.14000	.86540	-.00220	.82410	.26420	3.12000	-.00050	-.04450	-.00370	.00450
	GRADIENT	.00000	.04810	-.00087	.04743	.00074	1.09307	.00009	.00007	-.00038	-.00007

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E066) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.028	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 66/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.020	6.77000	.31110	.01720	.30690	.05380	5.70800	.00160	.12260	.01310	-.01470
.647	-3.990	6.76000	.31350	.01830	.30920	.05510	5.60800	.00180	.08150	.00770	-.00940
.647	-2.970	6.75000	.31340	.01910	.30900	.05580	5.53500	.00180	.05900	.00570	-.00650
.647	-1.960	6.73000	.31310	.01940	.30870	.05600	5.51200	.00150	.03830	.00310	-.00400
.647	-.940	6.70000	.30910	.02020	.30460	.05610	5.42700	.00200	.01770	.00100	-.00160
.647	.010	6.71000	.30980	.02050	.30520	.05650	5.39800	.00080	-.00130	-.00130	.00030
.647	1.030	6.81000	.31080	.02020	.30620	.05690	5.38000	.00100	-.02140	-.00320	.00240
.647	2.090	6.82000	.31000	.01990	.30540	.05650	5.40400	.00140	-.04310	-.00520	.00490
.647	3.130	6.82000	.31020	.01960	.30570	.05630	5.43400	.00040	-.06500	-.00750	.00760
.647	4.170	6.79000	.30560	.01900	.30130	.05500	5.47700	-.00010	-.08700	-.00940	.01040
.647	5.200	6.78000	.29920	.01860	.29490	.05380	5.48500	.00220	-.10740	-.01170	.01250
.647	6.220	6.78000	.30240	.01750	.29820	.05310	5.61700	.00120	-.12940	-.01380	.01500
.647	7.250	6.77000	.30190	.01660	.29780	.05210	5.71900	.00030	-.14930	-.01610	.01710
	GRADIENT	.01017	-.00075	.00008	-.00076	.00005	-.01768	-.00021	-.02046	-.00211	.00235

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E067) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.004	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 67/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-6.070	13.44000	.65620	-.01300	.64130	.13990	4.58300	.00060	.11730	.01620	-.01310
.649	-4.050	13.48000	.65630	-.01190	.64100	.14140	4.53400	.00170	.07940	.01010	-.00870
.649	-3.030	13.48000	.66200	-.01080	.64630	.14390	4.49200	-.00060	.05890	.00740	-.00650
.649	-2.000	13.48000	.65680	-.01020	.64110	.14320	4.47800	.00090	.03910	.00410	-.00440
.649	-.970	13.50000	.65910	-.00970	.64320	.14440	4.45300	.00010	.01900	.00110	-.00220
.649	.050	13.49000	.66020	-.00960	.64420	.14470	4.45200	-.00090	-.00160	-.00130	.00010
.649	1.080	13.48000	.65610	-.00930	.64020	.14390	4.44900	.00040	-.02190	-.00440	.00240
.649	2.110	13.47000	.65060	-.00910	.63480	.14280	4.44700	.00060	-.04250	-.00740	.00460
.649	3.140	13.47000	.65370	-.00920	.63780	.14340	4.44900	-.00180	-.06270	-.01100	.00670
.649	4.180	13.47000	.64770	-.00970	.63220	.14140	4.47000	.00000	-.08290	-.01450	.00890
.649	5.220	13.46000	.65230	-.01160	.63710	.14050	4.53300	-.00130	-.10320	-.01780	.01010
.649	6.250	13.46000	.64680	-.01180	.63180	.13900	4.54400	.00040	-.12420	-.01920	.01190
.649	7.290	13.44000	.64810	-.01330	.63340	.13780	4.59800	-.00190	-.14170	-.02130	.01340
	GRADIENT	-.00178	-.00121	.00026	-.00124	-.00005	-.00730	-.00017	-.01974	-.00295	.00215

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E068) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.259	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 68/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.140	-.01000	-.11550	.01770	-.11470	.02200	-5.21200	.00050	-.00010	.00040	-.00030
.647	-.010	.00000	-.01500	.02000	-.01500	.02000	-.75200	.00050	-.00190	.00050	.00080
.647	2.210	.00000	.08980	.01790	.08900	.02130	4.17200	.00200	-.00150	.00000	.00060
.647	3.980	.01000	.17940	.01300	.17810	.02540	7.00700	.00090	-.00140	-.00060	.00060
.647	5.960	.02000	.28000	.00430	.27800	.03340	8.33600	.00080	-.00200	-.00070	.00070
.647	8.000	.02000	.38540	-.00860	.38290	.04510	8.48200	.00030	-.00140	-.00070	.00060
.647	10.030	.03000	.49530	-.02440	.49190	.06220	7.90500	-.00140	.00110	-.00040	-.00080
.647	11.050	.04000	.55030	-.03220	.54620	.07390	7.39000	-.00100	.00110	-.00050	-.00100
.647	12.020	.04000	.60490	-.03720	.59940	.08960	6.68700	-.00180	.00080	.00010	-.00100
.647	13.040	.04000	.64660	-.03310	.63740	.11360	5.60900	-.00080	.00090	-.00010	-.00090
.647	14.040	.04000	.69050	-.03230	.67770	.13610	4.97900	-.00080	.00230	-.00080	-.00140
.647	15.030	.04000	.73330	-.03090	.71630	.16030	4.46800	-.00110	.00360	-.00120	-.00180
.647	16.050	.05000	.78150	-.02890	.75900	.18830	4.03100	-.00070	.00410	-.00150	-.00240
	GRADIENT	.00288	.04805	-.00076	.04770	.00053	2.02612	.00014	-.00017	-.00017	.00012

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E069) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.252	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 69/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.646	-2.100	2.11000	-.11530	.01790	-.11460	.02210	-5.18700	.00040	-.03440	-.00180	.00030
.646	-.080	2.11000	-.02140	.01950	-.02130	.01950	-1.09400	.00100	-.04170	-.00240	.00380
.646	1.930	2.14000	.07790	.01780	.07720	.02050	3.77500	.00120	-.04060	-.00350	.00360
.646	3.990	2.16000	.17940	.01230	.17810	.02480	7.19300	.00150	-.04140	-.00450	.00350
.646	6.030	2.20000	.28640	.00280	.28450	.03280	8.66400	.00030	-.04050	-.00550	.00310
.646	8.110	2.22000	.39500	-.01030	.39250	.04540	8.63600	-.00180	-.03950	-.00570	.00330
.646	10.130	2.22000	.49830	-.02550	.49500	.06250	7.91800	-.00170	-.04000	-.00670	.00350
.646	11.140	2.22000	.55280	-.03290	.54870	.07450	7.36600	-.00110	-.03980	-.00670	.00350
.646	12.130	2.23000	.60530	-.03790	.59970	.09010	6.65400	-.00120	-.03880	-.00760	.00290
.646	13.140	2.23000	.64750	-.03430	.63830	.11380	5.61000	.00010	-.03930	-.00730	.00330
.646	14.110	2.23000	.69170	-.03290	.67880	.13670	4.96400	-.00120	-.03930	-.00730	.00310
.646	15.110	2.25000	.73500	-.03180	.71790	.16090	4.46100	-.00090	-.03910	-.00740	.00280
.646	16.120	2.26000	.77970	-.02980	.75730	.18780	4.03200	.00090	-.03760	-.00770	.00200
	GRADIENT	.00888	.04849	-.00092	.04816	.00045	2.07074	.00017	-.00098	-.00045	.00046

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E070) (16 MAR 77)

REFERENCE DATA

SREF =	2590.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.242	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 70/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.040	6.08000	.28890	-.00120	.28740	.02940	9.77200	.00150	.11570	.01280	-.01100
.647	-3.990	6.07000	.29060	.00080	.28890	.03150	9.16500	.00110	.07850	.00770	-.00770
.647	-2.960	6.06000	.29080	.00120	.28900	.03190	9.05700	-.00020	.05990	.00550	-.00620
.647	-1.940	6.06000	.29130	.00320	.28930	.03390	8.52500	.00260	.04100	.00300	-.00470
.647	-.930	6.04000	.29210	.00340	.29010	.03410	8.50800	-.00180	.01780	.00100	-.00100
.647	.090	5.88000	.27900	.00450	.27700	.03300	8.38900	.00100	-.00220	-.00080	.00080
.647	1.150	6.03000	.28690	.00320	.28500	.03330	8.55600	.00070	-.02190	-.00290	.00210
.647	2.180	6.01000	.28620	.00270	.28430	.03270	8.69700	.00010	-.03960	-.00540	.00310
.647	3.210	5.99000	.28230	.00200	.28060	.03140	8.92600	-.00060	-.06100	-.00690	.00550
.647	4.240	5.98000	.27900	.00160	.27730	.03060	9.06100	.00050	-.08030	-.00820	.00700
.647	5.260	5.97000	.27420	.00020	.27270	.02880	9.48200	.00040	-.10010	-.00990	.00820
.647	6.310	5.95000	.27670	.00030	.27520	.02903	9.50100	.00170	-.11740	-.01170	.00830
.647	7.330	5.95000	.28210	-.00020	.28060	.02990	9.66100	-.00050	-.13450	-.01360	.00920
	GRADIENT	-.01095	-.00141	.00007	-.00140	-.00014	-.00639	-.00010	-.01941	-.00197	.00182

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E071) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.231 ALPHA = 12.000
SPDBRK = 7.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 71/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.050	11.79000	.58890	-.03830	.58430	.08280	7.05500	-.00010	.11280	.01780	-.01130
.648	-4.050	11.84000	.59650	-.03760	.59150	.08570	6.90600	-.00160	.07820	.01230	-.00820
.648	-3.020	11.84000	.59390	-.03710	.58890	.08550	6.88500	-.00080	.05930	.00910	-.00660
.648	-2.000	11.83000	.59440	-.03690	.58930	.08580	6.86800	-.00110	.03990	.00580	-.00490
.648	-.970	11.84000	.59270	-.03650	.58760	.08590	6.84200	-.00090	.02050	.00290	-.00310
.648	.050	11.84000	.59180	-.03660	.58670	.08560	6.85000	-.00080	.00080	-.00040	-.00110
.648	1.070	11.83000	.59130	-.03680	.58630	.08530	6.87700	-.00170	-.01810	-.00410	.00110
.648	2.100	11.83000	.58770	-.03660	.58270	.08470	6.88200	-.00090	-.03860	-.00630	.00310
.648	3.140	11.83000	.58420	-.03640	.57930	.08420	6.88400	-.00120	-.05700	-.00990	.00470
.648	4.180	11.84000	.58630	-.03670	.58140	.08440	6.89000	-.00290	-.07620	-.01270	.00620
.648	5.220	11.85000	.58650	-.03730	.58170	.08390	6.93200	-.00240	-.09550	-.01590	.00750
.648	6.250	11.84000	.58440	-.03750	.57970	.08320	6.97100	-.00260	-.11340	-.01770	.00800
.648	7.290	11.83000	.58240	-.03670	.57760	.08350	6.92100	-.00160	-.12800	-.02020	.00780
	GRADIENT	-.00065	-.00137	.00010	-.00136	-.00019	-.00006	-.00011	-.01885	-.00305	.00181

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E072) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.019	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 72/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.020	-.01000	-.11180	.01960	-.11100	.02350	-4.72400	.00090	.00550	-.00320	-.00210
.648	-.030	.00000	-.01650	.02150	-.01640	.02160	-.76300	.00070	.00410	-.00340	-.00130
.648	2.030	.01000	.08300	.01960	.08220	.02260	3.64400	.00110	.00400	-.00380	-.00120
.648	4.040	.01000	.18020	.01410	.17880	.02680	6.68100	.00190	.00320	-.00390	-.00100
.648	5.990	.04000	.28090	.00530	.27880	.03460	8.06700	.00020	.00240	-.00380	-.00070
.648	8.040	.03000	.38860	-.01120	.38640	.04330	8.92500	-.00100	.00310	-.00430	-.00100
.648	10.050	.04000	.49230	-.02310	.48880	.06320	7.74000	.00000	.00630	-.00430	-.00260
.648	11.060	.04000	.55120	-.03090	.54690	.07560	7.23200	-.00100	.00640	-.00480	-.00280
.648	12.070	.04000	.60360	-.03580	.59780	.09120	6.55600	-.00180	.00720	-.00490	-.00300
.648	13.080	.04000	.64580	-.03180	.63620	.11520	5.52300	-.00180	.00650	-.00400	-.00260
.648	14.080	.04000	.68810	-.03080	.67490	.13740	4.91100	-.00050	.00680	-.00440	-.00290
.648	15.080	.05000	.73590	-.03000	.71840	.16250	4.42000	-.00090	.00750	-.00410	-.00330
.648	16.090	.06000	.78510	-.02820	.76220	.19050	4.00200	-.00250	.00790	-.00370	-.00360
	GRADIENT	.00346	.04820	-.00091	.04783	.00054	1.90843	.00017	-.00035	-.00012	.00017

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E073) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -6.015 BETA = 2.000
SPDBRK = 7.500 BDFLAP = -6.000
RN/L = 6.500 GRIT = .000

RUN NO. 73/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.060	2.09000	-.11450	.01930	-.11380	.02340	-4.87200	.00080	-.03540	-.00550	.00180
.648	-.050	2.12000	-.01900	.02090	-.01900	.02090	-.90900	.00100	-.03550	-.00650	.00170
.648	1.940	2.14000	.07740	.01910	.07670	.02170	3.53200	.00110	-.03690	-.00690	.00210
.648	4.010	2.16000	.18150	.01330	.18010	.02600	6.92200	.00090	-.03730	-.00770	.00220
.648	6.070	2.21000	.28720	.00370	.28520	.03400	8.38200	-.00010	-.03730	-.00830	.00200
.648	8.140	2.23000	.39430	-.00940	.39160	.04650	8.41300	-.00100	-.03640	-.00940	.00220
.648	10.170	2.23000	.49910	-.02430	.49560	.06420	7.71600	-.00070	-.03400	-.01140	.00160
.648	11.190	2.23000	.55560	-.03160	.55120	.07680	7.17800	-.00140	-.03360	-.01190	.00150
.648	12.170	2.23000	.60990	-.03630	.60380	.09310	6.48800	-.00210	-.03330	-.01200	.00120
.648	13.150	2.23000	.64840	-.03280	.63890	.11550	5.52900	-.00050	-.03530	-.01100	.00200
.648	14.170	2.24000	.69690	-.03150	.68350	.14000	4.88100	-.00190	-.03520	-.01060	.00190
.648	15.170	2.25000	.74120	-.03050	.72340	.16450	4.39700	-.00260	-.03530	-.00980	.00180
.648	16.170	2.26000	.78360	-.02850	.76060	.19080	3.98700	-.00160	-.03620	-.00920	.00160
	GRADIENT	.01138	.04874	-.00099	.04839	.00043	1.97050	.00002	-.00035	-.00035	.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E074) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.017	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 74/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	6.14000	.29130	-.00040	.28970	.03080	9.41900	.00090	.12240	.00890	-.01330
.648	-3.980	6.12000	.29130	.00150	.28950	.03250	8.89800	.00160	.08420	.00430	-.00930
.648	-2.960	6.11000	.28970	.00240	.28780	.03320	8.66700	.00090	.06390	.00220	-.00730
.648	-1.930	6.11000	.29720	.00370	.29510	.03530	8.35200	-.00020	.04450	.00000	-.00590
.648	-.910	6.07000	.28840	.00440	.28640	.03480	8.21800	.00070	.02190	-.00200	-.00250
.648	.120	5.88000	.27750	.00560	.27550	.03400	8.10000	.00070	.00210	-.00420	-.00080
.648	1.150	6.06000	.28690	.00420	.28480	.03450	8.26400	.00050	-.01770	-.00650	.00080
.648	2.180	6.08000	.28560	.00360	.28360	.03390	8.37500	.00090	-.03610	-.00870	.00200
.648	3.200	6.07000	.28670	.00280	.28480	.03310	8.59600	-.00100	-.05680	-.01060	.00420
.648	4.240	6.04000	.28110	.00200	.27930	.03160	8.83400	-.00050	-.07650	-.01250	.00590
.648	5.270	6.03000	.27910	.00100	.27750	.03030	9.14500	.00010	-.09520	-.01480	.00680
.648	6.300	6.04000	.28530	.00100	.28360	.03100	9.16200	.00030	-.11420	-.01620	.00760
.648	7.330	6.03000	.28440	.00050	.28280	.03030	9.32300	.00050	-.13110	-.01770	.00840
	GRADIENT	-.00826	-.00121	.00004	-.00121	-.00011	-.00601	-.00020	-.01956	-.00207	.00186

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E075) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 75/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	12.57000	.62200	-.03690	.61510	.09940	6.19000	-.00030	.12000	.01530	-.01320
.648	-4.030	12.58000	.62300	-.03370	.61540	.10280	5.98800	-.00140	.08660	.00770	-.01050
.648	-3.000	12.58000	.61920	-.03280	.61150	.10280	5.94700	.00020	.06660	.00490	-.00850
.648	-1.960	12.59000	.62510	-.03320	.61730	.10380	5.94800	-.00140	.04860	.00100	-.00730
.648	-.900	12.59000	.62880	-.03400	.62110	.10390	5.97600	-.00170	.02980	-.00340	-.00610
.648	.140	12.60000	.62700	-.03440	.61940	.10320	6.00100	-.00100	.00940	-.00680	-.00410
.648	1.200	12.56000	.62600	-.03520	.61870	.10170	6.08300	-.00100	-.01230	-.01010	-.00130
.648	2.240	12.53000	.62390	-.03520	.61670	.10090	6.10900	-.00140	-.03230	-.01310	.00070
.648	3.290	12.50000	.62180	-.03560	.61470	.09990	6.15600	-.00190	-.05210	-.01610	.00240
.648	4.320	12.47000	.61810	-.03520	.61110	.09910	6.16500	-.00280	-.07140	-.01930	.00420
.648	5.360	12.44000	.61570	-.03590	.60900	.09770	6.23600	-.00240	-.09160	-.02220	.00540
.648	6.390	12.43000	.61850	-.03680	.61200	.09720	6.29700	-.00260	-.10980	-.02430	.00620
.648	7.410	12.40000	.61630	-.03640	.60980	.09680	6.30200	-.00250	-.12440	-.02600	.00600
	GRADIENT	-.01322	-.00027	-.00031	-.00018	-.00050	.02813	-.00018	-.01899	-.00328	.00179

ARC 213-1-11 LAS: OV 101 WITH T/C (R2E076) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.084	BETA =	.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 76/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-1.940	.00000	-.11040	.02570	-.10950	.02940	-3.72300	.00040	.00620	-.00350	-.00310
.648	-.010	.02000	-.01880	.02760	-.01880	.02760	-.68200	.00190	.00580	-.00340	-.00290
.648	2.040	.02000	.08110	.02570	.08010	.02860	2.80100	.00150	.00640	-.00390	-.00300
.648	4.030	.02000	.17740	.02040	.17560	.03290	5.34400	.00190	.00600	-.00410	-.00280
.648	6.080	.05000	.28040	.01150	.27760	.04110	6.75200	.00050	.00530	-.00450	-.00270
.648	8.170	.03000	.38770	-.00130	.38390	.05380	7.13800	.00040	.00570	-.00460	-.00250
.648	10.180	.04000	.49620	-.01600	.49120	.07200	6.82200	.00020	.00510	-.00490	-.00260
.648	11.170	.04000	.55340	-.02330	.54750	.08440	6.48500	-.00180	.00520	-.00570	-.00240
.648	12.170	.04000	.60510	-.02820	.59750	.10000	5.97500	-.00040	.00520	-.00480	-.00240
.648	13.180	.03000	.64640	-.02420	.63490	.12380	5.12600	-.00080	.00270	-.00300	-.00140
.648	14.160	.03000	.68760	-.02780	.67350	.14120	4.76900	-.00010	.00420	-.00400	-.00190
.648	15.170	.04000	.73870	-.02230	.71880	.17190	4.18200	-.00110	.00510	-.00420	-.00230
.648	16.170	.05000	.78090	-.02120	.75590	.19710	3.83600	-.00070	.00470	-.00340	-.00230
	GRADIENT	.00298	.04826	-.00090	.04781	.00058	1.53733	.00020	.00000	-.00012	.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E077) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.067	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 77/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.650	-1.910	2.09000	-.11060	.02490	-.10970	.02860	-3.84300	.00100	-.03670	-.00530	.00190
.650	-.010	2.12000	-.01990	.02680	-.01990	.02680	-.74100	.00180	-.03690	-.00610	.00190
.650	2.000	2.14000	.07640	.02520	.07550	.02790	2.70800	.00220	-.03710	-.00710	.00200
.650	4.040	2.16000	.17960	.01980	.17780	.03240	5.48800	.00090	-.03700	-.00840	.00200
.650	6.190	2.20000	.29010	.00990	.28730	.04110	6.98800	.00030	-.03680	-.00930	.00210
.650	8.260	2.22000	.39630	-.00270	.39260	.05420	7.23700	-.00030	-.03740	-.00970	.00250
.650	10.320	2.22000	.50400	-.01670	.49880	.07390	6.74900	-.00040	-.03640	-.01140	.00270
.650	11.330	2.22000	.56020	-.02440	.55410	.08610	6.43300	-.00100	-.03660	-.01190	.00260
.650	12.310	2.23000	.61360	-.02850	.60550	.10300	5.87800	-.00190	-.03600	-.01130	.00210
.650	13.270	2.23000	.65330	-.02530	.64160	.12540	5.11500	-.00120	-.03850	-.00960	.00320
.650	14.280	2.24000	.69830	-.02450	.68280	.14860	4.59500	-.00170	-.03740	-.01020	.00270
.650	15.290	2.25000	.74440	-.02370	.72430	.17340	4.17700	-.00220	-.03730	-.00990	.00260
.650	16.280	2.26000	.78760	-.02190	.76210	.19970	3.81600	-.00170	-.03800	-.00910	.00240
	GRADIENT	.01156	.04869	-.00086	.04824	.00064	1.58240	.00000	-.00005	-.00052	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E078) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.029	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 78/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.040	6.21000	.28660	.00590	.28430	.03690	7.70500	.00120	.12870	.01020	-.01690
.648	-3.980	6.20000	.28720	.00800	.28470	.03890	7.31600	.00200	.08840	.00480	-.01190
.648	-2.950	6.19000	.29050	.00890	.28790	.04020	7.16700	.00050	.06780	.00210	-.00950
.648	-1.940	6.17000	.28950	.00990	.28680	.04100	7.00200	.00140	.04630	.00000	-.00700
.648	-.920	6.14000	.28650	.01060	.28380	.04120	6.89300	.00180	.02580	-.00200	-.00470
.648	.020	6.11000	.28630	.01130	.28350	.04170	6.79500	-.00070	.00650	-.00470	-.00270
.648	1.090	6.22000	.28640	.01080	.28350	.04180	6.78200	.00140	-.01510	-.00680	-.00020
.648	2.110	6.20000	.28360	.01040	.28080	.04090	6.85900	.00130	-.03560	-.00890	.00200
.648	3.140	6.18000	.28370	.00940	.28100	.03990	7.04200	.00070	-.05730	-.01110	.00460
.648	4.170	6.17000	.28010	.00840	.27750	.03850	7.21000	.00010	-.07840	-.01250	.00720
.648	5.210	6.17000	.27780	.00730	.27540	.03710	7.42000	.00030	-.10040	-.01410	.00940
.648	6.240	6.17000	.28040	.00580	.27810	.03593	7.74300	.00050	-.12290	-.01600	.01200
.648	7.270	6.16000	.28020	.00460	.27810	.03460	8.03500	.00080	-.14190	-.01750	.01380
	GRADIENT	-.00011	-.00100	.00007	-.00101	-.00004	-.01925	-.00012	-.02045	-.00215	.00232

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E079) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.104	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 79/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-6.050	12.14000	.60080	-.02990	.59360	.09710	6.11600	.00020	.12170	.01550	-.01470
.647	-4.040	12.20000	.60450	-.02950	.59710	.09880	6.04200	.00140	.08540	.00890	-.01100
.647	-3.020	12.19000	.60700	-.02880	.59940	.10010	5.98900	-.00070	.06570	.00490	-.00880
.647	-2.000	12.18000	.60210	-.02850	.59460	.09920	5.99100	.00130	.04500	.00210	-.00660
.647	-.970	12.20000	.60670	-.02810	.59890	.10080	5.94400	-.00040	.02500	-.00120	-.00440
.647	.050	12.20000	.60990	-.02810	.60200	.10150	5.93200	-.00240	.00560	-.00510	-.00250
.647	1.070	12.19000	.60440	-.02850	.59680	.09970	5.98500	.00000	-.01510	-.00790	-.00010
.647	2.110	12.20000	.60680	-.02840	.59910	.10050	5.96000	-.00160	-.03560	-.01110	.00230
.647	3.140	12.19000	.60490	-.02850	.59730	.09980	5.98300	-.00400	-.05630	-.01420	.00460
.647	4.170	12.18000	.59850	-.02880	.59110	.09820	6.02100	-.00250	-.07630	-.01640	.00670
.647	5.220	12.18000	.59470	-.02950	.58760	.09660	6.08000	-.00100	-.09690	-.01970	.00830
.647	6.250	12.19000	.59770	-.03060	.59070	.09680	6.13400	-.00090	-.11560	-.02230	.00930
.647	7.280	12.18000	.59710	-.03180	.59030	.09490	6.21700	-.00210	-.13360	-.02470	.01100
	GRADIENT	-.00081	-.00038	.00006	-.00038	-.00003	-.00198	-.00050	-.01972	-.00311	.00216

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E080) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RQBF =	5.972	BETA =	.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 80/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-1.930	.00000	-.11470	.02990	-.11360	.03380	-3.36300	.00160	.00490	-.00320	-.00240
.648	-.020	.01000	-.02480	.03220	-.02480	.03220	-.77200	.00220	.00450	-.00320	-.00220
.648	2.020	.02000	.07600	.03060	.07490	.03320	2.25400	.00190	.00460	-.00310	-.00220
.648	4.030	.02000	.17410	.02530	.17190	.03740	4.59200	.00150	.00390	-.00300	-.00190
.648	6.070	.04000	.27670	.01630	.27340	.04550	6.00500	.00140	.00290	-.00350	-.00180
.648	8.140	.04000	.38520	.00380	.38080	.05830	6.53000	.00040	.00400	-.00400	-.00190
.648	10.180	.04000	.49080	-.01060	.48490	.07630	6.35400	.00120	.00310	-.00410	-.00180
.648	11.180	.04000	.55010	-.01800	.54310	.08910	6.09800	-.00080	.00350	-.00460	-.00170
.648	12.180	.04000	.60280	-.02250	.59390	.10520	5.64600	-.00060	.00390	-.00450	-.00210
.648	13.170	.04000	.64440	-.01870	.63170	.12860	4.91300	-.00030	.00370	-.00380	-.00160
.648	14.180	.04000	.69200	-.01810	.67530	.15200	4.44400	-.00120	.00460	-.00410	-.00210
.648	15.200	.04000	.74040	-.01660	.71890	.17810	4.03800	-.00150	.00450	-.00370	-.00240
.648	16.200	.05000	.78350	-.01440	.75640	.20470	3.69600	-.00070	.00490	-.00330	-.00250
	GRADIENT	.00350	.04856	-.00078	.04801	.00060	1.34983	-.00003	-.00015	.00004	.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E081) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.945 BETA = 2.000
SPDBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 81/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-1.940	2.09000	-.11480	.02930	-.11380	.03310	-3.43300	.00090	-.03870	-.00550	.00290
.647	-.030	2.12000	-.02730	.03150	-.02730	.03150	-.86700	.00300	-.03910	-.00600	.00310
.647	2.000	2.14000	.07300	.03000	.07190	.03260	2.21000	.00190	-.04020	-.00650	.00340
.647	4.060	2.16000	.18000	.02450	.17780	.03720	4.78300	-.00030	-.04070	-.00720	.00360
.647	6.160	2.20000	.28360	.01530	.28040	.04570	6.13700	.00130	-.04080	-.00810	.00360
.647	8.240	2.22000	.39260	.00300	.38820	.05920	6.55800	-.00080	-.04050	-.00880	.00370
.647	10.290	2.22000	.49880	-.01130	.49280	.07800	6.32000	.00050	-.03960	-.01050	.00370
.647	11.290	2.22000	.55430	-.01830	.54710	.09050	6.04300	-.00010	-.03910	-.01080	.00360
.647	12.270	2.23000	.61100	-.02180	.60170	.10860	5.54200	-.00220	-.03710	-.01160	.00250
.647	13.260	2.23000	.65360	-.01910	.64060	.13130	4.87800	-.00210	-.03840	-.01060	.00320
.647	14.260	2.24000	.69650	-.01820	.67960	.15390	4.41500	-.00200	-.03810	-.01030	.00290
.647	15.270	2.25000	.74310	-.01650	.72130	.17980	4.01100	-.00270	-.03840	-.00930	.00280
.647	16.270	2.26000	.78510	-.01750	.75850	.20310	3.73500	.00000	-.03810	-.00920	.00230
	GRADIENT	.01146	.04918	-.00081	.04865	.00068	1.38400	-.00024	-.00035	-.00028	.00012

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E082) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.945	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 827 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-6.030	6.22000	.28370	.01160	.28070	.04230	6.63900	.00180	.13040	.00960	-.01750
.649	-3.970	6.21000	.28350	.01350	.28040	.04410	6.35300	.00270	.08890	.00460	-.01210
.649	-2.950	6.20000	.28530	.01420	.28210	.04490	6.28000	.00190	.06750	.00220	-.00960
.649	-1.940	6.19000	.28500	.01470	.28170	.04530	6.21800	.00180	.04530	.00050	-.00660
.649	-.910	6.16000	.28520	.01530	.28190	.04580	6.14800	.00100	.02340	-.00100	-.00390
.649	.030	6.08000	.27660	.01630	.27340	.04550	6.00800	.00230	.00280	-.00310	-.00160
.649	1.090	6.22000	.28390	.01570	.28050	.04640	6.05000	.00170	-.01870	-.00520	.00110
.649	2.110	6.20000	.28460	.01520	.28120	.04590	6.12800	-.00020	-.03970	-.00800	.00350
.649	3.140	6.17000	.27940	.01520	.27610	.04510	6.12000	.00070	-.06080	-.01020	.00600
.649	4.160	6.16000	.27570	.01440	.27260	.04390	6.20700	.00090	-.08190	-.01210	.00850
.649	5.200	6.16000	.27490	.01350	.27190	.04290	6.33200	-.00050	-.10300	-.01430	.01050
.649	6.230	6.15000	.27520	.01260	.27230	.04200	6.48300	.00000	-.12540	-.01660	.01330
.649	7.260	6.15000	.27490	.01190	.27200	.04130	6.58300	.00030	-.14400	-.01780	.01500
	GRADIENT	-.00338	-.00083	.00013	-.00084	.00003	-.02184	-.00023	-.02102	-.00206	.00254

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E083) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.945	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 83/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-6.050	12.12000	.59730	-.02290	.58880	.10300	5.71500	-.00070	.12120	.01530	-.01450
.649	-4.040	12.18000	.60250	-.02310	.59380	.10450	5.68300	.00010	.08620	.00800	-.01100
.649	-3.020	12.18000	.60280	-.02250	.59400	.10510	5.64900	-.00050	.06530	.00440	-.00870
.649	-2.000	12.17000	.60040	-.02270	.59170	.10440	5.67000	.00180	.04530	.00140	-.00660
.649	-.980	12.18000	.60490	-.02270	.59610	.10540	5.65400	.00040	.02510	-.00200	-.00440
.649	.050	12.19000	.60490	-.02230	.59600	.10590	5.62900	-.00090	.00320	-.00430	-.00180
.649	1.070	12.17000	.60230	-.02250	.59360	.10500	5.65400	-.00060	-.01690	-.00760	.00050
.649	2.110	12.18000	.60270	-.02260	.59390	.10500	5.65400	-.00180	-.03710	-.01070	.00290
.649	3.140	12.17000	.59950	-.02140	.59050	.10550	5.59600	-.00170	-.05660	-.01450	.00480
.649	4.180	12.16000	.59620	-.02120	.58730	.10490	5.59800	-.00210	-.07650	-.01780	.00680
.649	5.220	12.16000	.59260	-.02150	.58380	.10390	5.62000	-.00120	-.09810	-.02050	.00870
.649	6.250	12.16000	.59470	-.02240	.58600	.10333	5.67500	-.00270	-.11710	-.02320	.01010
.649	7.280	12.16000	.59100	-.02240	.58250	.10250	5.68300	-.00280	-.13470	-.02510	.01150
	GRADIENT	-.00163	-.00054	.00018	-.00056	.00006	-.00862	-.00033	-.01985	-.00308	.00220

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E084) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.985	BETA =	.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 84/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-1.940	.00000	-.11450	.03460	-.11330	.03850	-2.94300	.00170	.00640	-.00340	-.00300
.648	-.010	.01000	-.02190	.03690	-.02190	.03690	-.59300	.00180	.00580	-.00310	-.00280
.648	2.010	.02000	.07170	.03570	.07040	.03820	1.84300	.00350	.00620	-.00330	-.00300
.648	4.040	.02000	.17370	.03050	.17110	.04260	4.01400	.00250	.00650	-.00390	-.00300
.648	6.060	.04000	.27680	.02190	.27290	.05100	5.35600	.00140	.00570	-.00380	-.00280
.648	8.120	.04000	.38530	.00970	.38010	.06400	5.94100	-.00020	.00610	-.00430	-.00300
.648	10.160	.04000	.49080	-.00450	.48390	.08220	5.89000	.00150	.00660	-.00460	-.00310
.648	11.160	.04000	.55130	-.01190	.54320	.09510	5.71200	-.00120	.00570	-.00480	-.00280
.648	12.160	.05000	.60680	-.01600	.59660	.11210	5.32000	-.00210	.00640	-.00510	-.00330
.648	13.150	.04000	.64890	-.01220	.63460	.13580	4.67300	-.00290	.00550	-.00400	-.00250
.648	14.160	.04000	.69260	-.01090	.67430	.15890	4.24200	-.00140	.00610	-.00380	-.00280
.648	15.180	.05000	.73710	-.00880	.71370	.18440	3.86900	-.00030	.00710	-.00370	-.00330
.648	16.170	.05000	.78010	-.00720	.75130	.21030	3.57200	-.00030	.00750	-.00350	-.00350
	GRADIENT	.00350	.04801	-.00069	.04737	.00069	1.16737	.00020	.00004	-.00009	-.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E085) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 12.016 BETA = 2.000
SPDBRK = 7.500 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 85/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-1.950	2.09000	-.11700	.03420	-.11580	.03810	-3.03700	.00100	-.03730	-.00530	.00230
.648	-.010	2.12000	-.02730	.03650	-.02730	.03650	-.74800	.00270	-.03750	-.00610	.00220
.648	2.020	2.15000	.07400	.03500	.07270	.03760	1.93400	.00190	-.03710	-.00710	.00200
.648	4.070	2.16000	.17370	.03010	.17110	.04240	4.03700	.00240	-.03720	-.00780	.00210
.648	6.150	2.20000	.28360	.02100	.27970	.05130	5.45600	.00040	-.03670	-.00930	.00170
.648	8.230	2.22000	.39220	.00880	.38690	.06480	5.96900	-.00130	-.03570	-.00970	.00170
.648	10.250	2.23000	.49300	-.00480	.48600	.08300	5.85200	.00160	-.03600	-.01100	.00200
.648	11.270	2.23000	.55280	-.01180	.54450	.09640	5.64600	-.00080	-.03520	-.01170	.00190
.648	12.260	2.23000	.60990	-.01550	.59930	.11430	5.24200	-.00250	-.03450	-.01190	.00120
.648	13.240	2.23000	.65140	-.01230	.63690	.13720	4.64100	-.00250	-.03700	-.01030	.00220
.648	14.240	2.24000	.69050	-.01080	.67190	.15940	4.21600	.00050	-.03660	-.00980	.00200
.648	15.250	2.25000	.73510	-.00940	.71170	.18430	3.86200	.00030	-.03640	-.00930	.00170
.648	16.250	2.27000	.78520	-.00800	.75610	.21210	3.56500	-.00170	-.03520	-.00950	.00120
	GRADIENT	.01192	.04846	-.00070	.04783	.00071	1.18957	.00017	.00004	-.00042	-.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E086) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.040	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 86/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.030	6.01000	.27360	.01880	.27010	.04740	5.70300	.00180	.13060	.00960	-.01770
.648	-4.010	6.00000	.26800	.02060	.26440	.04850	5.44700	.00610	.08880	.00500	-.01220
.648	-2.990	6.00000	.27370	.02100	.27000	.04950	5.45400	.00290	.06890	.00200	-.01000
.648	-1.960	5.98000	.27240	.02150	.26870	.04970	5.40300	.00300	.04690	.00010	-.00730
.648	-.910	5.96000	.27470	.02200	.27090	.05040	5.37900	.00240	.02600	-.00210	-.00490
.648	.120	5.87000	.27100	.02260	.26730	.05020	5.32800	.00170	.00480	-.00380	-.00260
.648	1.130	5.92000	.27500	.02240	.27120	.05060	5.35800	.00040	-.01530	-.00670	-.00050
.648	2.140	5.94000	.27430	.02210	.27060	.05030	5.37700	.00000	-.03690	-.00870	.00200
.648	3.160	5.91000	.27140	.02180	.26770	.04960	5.39400	-.00020	-.05880	-.01060	.00480
.648	4.210	5.90000	.26880	.02120	.26520	.04870	5.44700	-.00060	-.08050	-.01220	.00750
.648	5.230	5.89000	.26810	.02030	.26460	.04770	5.55100	-.00130	-.10240	-.01420	.00970
.648	6.230	5.87000	.26580	.01930	.26240	.04640	5.65300	.00000	-.12450	-.01570	.01240
.648	7.300	5.88000	.26370	.01870	.26040	.04560	5.70900	.00060	-.14310	-.01690	.01410
	GRADIENT	-.01286	.00001	.00010	.00001	.00004	-.00414	-.00072	-.02061	-.00209	.00237

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E087) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 87/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-6.060	11.93000	.58580	-.01630	.57650	.10510	5.48400	.00120	.12130	.01510	-.01480
.648	-4.040	11.94000	.58610	-.01600	.57680	.10560	5.46400	.00240	.08480	.00850	-.01080
.648	-3.020	11.93000	.58870	-.01580	.57920	.10630	5.45100	.00150	.06500	.00480	-.00880
.648	-2.000	11.90000	.58910	-.01570	.57960	.10610	5.46300	.00100	.04610	.00130	-.00700
.648	-.980	12.03000	.59540	-.01600	.58570	.10850	5.40000	.00070	.02600	-.00130	-.00480
.648	.040	12.05000	.59670	-.01600	.58680	.10900	5.38600	.00050	.00600	-.00510	-.00300
.648	1.050	12.04000	.59560	-.01550	.58570	.10900	5.37200	.00000	-.01310	-.00820	-.00080
.648	2.090	12.06000	.59810	-.01560	.58810	.10970	5.36100	-.00230	-.03410	-.01130	.00160
.648	3.130	12.06000	.59550	-.01500	.58550	.10970	5.33800	-.00280	-.05490	-.01440	.00380
.648	4.170	12.06000	.58980	-.01400	.57970	.10950	5.29300	-.00230	-.07450	-.01670	.00590
.648	5.130	12.04000	.58910	-.01460	.57920	.10860	5.33300	-.00270	-.09630	-.01960	.00770
.648	6.190	12.05000	.58680	-.01500	.57700	.10780	5.35100	-.00210	-.11480	-.02210	.00890
.648	7.250	12.04000	.58520	-.00780	.57390	.11450	5.01300	-.00220	-.13370	-.02430	.01060
	GRADIENT	.01949	.00086	.00018	.00077	.00054	-.02041	-.00063	-.01945	-.00310	.00205

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E088) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 11.986 BETA = .000
SPDBRK = 7.500 BDFLAP = 12.000
RN/L = 5.000 GRIT = .000

RUN NO. 88/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.400	-1.990	-.01000	-.10790	.03250	-.10670	.03630	-2.94300	.00100	.00550	-.00340	-.00270
.400	.000	.01000	-.01770	.03450	-.01770	.03450	-.51400	.00350	.00570	-.00350	-.00270
.400	2.010	.01000	.07310	.03290	.07190	.03550	2.02800	.00510	.00580	-.00420	-.00270
.400	4.040	.01000	.17210	.02750	.16970	.03950	4.29400	.00410	.00560	-.00390	-.00260
.400	6.000	.04000	.26790	.01890	.26450	.04680	5.64900	.00320	.00550	-.00440	-.00280
.400	8.020	.04000	.36510	.00660	.36060	.05750	6.27000	.00200	.00510	-.00470	-.00270
.400	10.040	.04000	.47050	-.00840	.46470	.07370	6.30200	-.00010	.00650	-.00550	-.00290
.400	11.080	.05000	.51990	-.01630	.51330	.08390	6.11800	.00120	.00670	-.00550	-.00300
.400	12.070	.05000	.56900	-.02450	.56160	.09500	5.90900	.00170	.00710	-.00560	-.00310
.400	13.080	.05000	.62470	-.03300	.61600	.10920	5.63800	-.00110	.00740	-.00630	-.00330
.400	14.110	.05000	.68090	-.04170	.67050	.12560	5.33900	-.00290	.00760	-.00630	-.00310
.400	15.080	.06000	.73010	-.04950	.71780	.14210	5.05200	-.00190	.00630	-.00520	-.00280
.400	16.110	.07000	.78580	-.06150	.77200	.15890	4.85800	-.00400	.00420	-.00460	-.00220
.400	20.050	.15000	.99280	-.05750	.95240	.28630	3.32700	-.00890	.00270	-.00300	-.00200
	GRADIENT	.00298	.04631	-.00083	.04571	.00053	1.20651	.00054	.00002	-.00011	.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E089) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 11.982 BETA = 2.000
SPDBRK = 7.500 BDFLAP = 12.000
RN/L = 5.000 GRIT = .000

RUN NO. 89/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-2.020	2.06000	-.10690	.03180	-.10570	.03550	-2.97300	-.00130	-.03360	-.00600	.00120
.399	.000	2.09000	-.01860	.03390	-.01860	.03390	-.54900	.00220	-.03460	-.00640	.00130
.399	2.010	2.12000	.07000	.02770	.06900	.03010	2.28900	.00490	-.03440	-.00720	.00120
.399	4.050	2.15000	.17020	.02730	.16790	.03930	4.27300	.00460	-.03500	-.00790	.00130
.399	6.120	2.17000	.27420	.01800	.27070	.04710	5.75000	.00270	-.03460	-.00850	.00120
.399	8.160	2.17000	.37480	.00600	.37010	.05920	6.25700	.00140	-.03320	-.00880	.00110
.399	10.170	2.18000	.47100	-.00830	.46510	.07490	6.20600	.00150	-.03350	-.01010	.00150
.399	11.160	2.18000	.52250	-.01650	.51580	.08490	6.07200	.00020	-.03210	-.01190	.00120
.399	12.170	2.18000	.57370	-.02500	.56610	.09660	5.86100	.00080	-.03230	-.01180	.00120
.399	13.170	2.19000	.62460	-.03320	.61580	.10990	5.60300	.00020	-.03300	-.01210	.00120
.399	14.160	2.20000	.67830	-.04150	.66790	.12560	5.31700	-.00180	-.03310	-.01200	.00130
.399	15.160	2.22000	.73390	-.04990	.72150	.14370	5.01900	-.00370	-.03430	-.01210	.00150
.399	16.170	2.23000	.79510	-.05810	.77980	.16570	4.70700	-.00540	-.03590	-.01090	.00180
.399	20.070	2.24000	.98920	-.05880	.94930	.28420	3.34000	-.00720	-.03740	-.00920	.00220
	GRADIENT	.01484	.04550	-.00097	.04493	.00038	1.21519	.00101	-.00020	-.00032	.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E090) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.941	ALPHA =	.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	5.000	GRIT =	.000

RUN NO. 90/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-6.100	.15000	-.00610	.01400	-.00610	.01400	-.43900	.00180	.10930	.00800	-.00850
.398	-4.090	.09000	-.00580	.00780	-.00580	.00780	-.74500	.00010	.07530	.00450	-.00630
.398	-3.080	.06000	-.00740	.01700	-.00740	.01700	-.43800	.00070	.05710	.00320	-.00500
.398	-2.050	.05000	-.01160	.01770	-.01160	.01770	-.65600	.00290	.03730	.00240	-.00300
.398	-1.020	.03000	-.01320	.01840	-.01320	.01840	-.72000	.00290	.01730	.00130	-.00090
.398	.010	.01000	-.01230	.01860	-.01230	.01860	-.66000	.00190	.00000	-.00030	.00000
.398	1.040	.04000	-.01090	.01850	-.01100	.01850	-.59200	.00200	-.01840	-.00160	.00060
.398	2.070	.04000	-.00830	.01790	-.00830	.01790	-.46200	.00000	-.03560	-.00310	.00180
.398	3.090	.04000	-.00730	.01710	-.00730	.01710	-.42700	-.00140	-.05330	-.00430	.00300
.398	4.100	.05000	-.00790	.01610	-.00790	.01610	-.48900	-.00270	-.07180	-.00450	.00440
.398	6.150	.04000	-.00750	.01400	-.00750	.01400	-.53800	-.00030	-.10710	-.00560	.00570
.398	8.180	.05000	-.00590	.01860	-.00600	.01860	-.32000	.00020	-.14210	-.00740	.00770
	GRADIENT	-.00374	.00001	.00055	.00001	.00055	.02552	-.00039	-.01788	-.00118	.00127

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E091) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.036
RDBF =	-10.254	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 91/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-.010	5.06000	.22120	.00750	.21970	.02690	8.15100	.00580	.00240	-.00070	-.00100
.599	1.130	5.08000	.22370	.00720	.22220	.02700	8.21900	.00540	-.01760	-.00280	.00040
.599	2.150	5.08000	.22310	.00690	.22160	.02660	8.33000	.00690	-.03710	-.00460	.00190
.599	3.170	5.08000	.22690	.00570	.22550	.02580	8.75100	.00240	-.05660	-.00630	.00370
.599	4.200	5.08000	.22660	.00530	.22520	.02530	8.89500	.00200	-.07560	-.00780	.00500
.599	6.240	5.07000	.22730	.00430	.22600	.02430	9.29200	.00280	-.11110	-.01040	.00600
.599	8.290	5.06000	.23020	.00410	.22890	.02430	9.40800	.00190	-.14020	-.01150	.00510
	GRADIENT	.00391	.00134	-.00056	.00137	-.00042	.19210	-.00100	-.01864	-.00169	.00146

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E092) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	-.045
RDBF =	-10.245	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 92/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-6.050	5.21000	.23310	.00330	.23180	.02450	9.46300	.00360	.11490	.01050	-.01000
.599	-4.010	5.20000	.23200	.00460	.23070	.02560	9.00300	.00400	.07950	.00670	-.00760
.599	-2.990	5.19000	.23060	.00530	.22920	.02620	8.75800	.00410	.05970	.00470	-.00610
.599	-1.990	5.18000	.22560	.00650	.22410	.02690	8.33700	.00800	.04000	.00290	-.00430
.599	-1.000	5.17000	.22740	.00660	.22580	.02700	8.35200	.00520	.02230	.00130	-.00300
.599	.040	5.02000	.21950	.00770	.21800	.02690	8.10900	.00580	.00130	-.00070	-.00110
.599	1.150	5.08000	.22480	.00750	.22320	.02740	8.14000	.00610	-.01700	-.00280	-.00070
.599	2.180	5.09000	.22360	.00690	.22210	.02670	8.31400	.00650	-.03700	-.00460	.00180
.599	3.210	5.08000	.22600	.00580	.22460	.02570	8.72600	.00240	-.05650	-.00620	.00370
.599	4.240	5.08000	.22670	.00550	.22540	.02550	8.82500	.00220	-.07490	-.00760	.00410
.599	6.280	5.08000	.22820	.00410	.22700	.02430	9.34800	.00280	-.11140	-.01040	.00590
	GRADIENT	-.01733	-.00066	.00011	-.00066	-.00003	-.01640	-.00023	-.01867	-.00176	.00146

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E093) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.044	RDA =	-.028
RDBF =	-10.224	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 93/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-4.050	5.20000	.23210	.00450	.23070	.02550	9.03200	.00390	.08010	.00690	-.00760
.598	-3.030	5.19000	.23030	.00530	.22880	.02620	8.75000	.00410	.06110	.00490	-.00620
.598	-2.030	5.19000	.22510	.00660	.22350	.02690	8.30300	.00800	.04170	.00320	-.00430
.598	-1.030	5.17000	.22510	.00660	.22360	.02690	8.31900	.00530	.02350	.00160	-.00310
.598	-.010	5.01000	.21940	.00770	.21790	.02680	8.12600	.00540	.00220	-.00040	-.00090
	GRADIENT	-.03974	-.00304	.00076	-.00306	.00033	-.22253	.00042	-.01919	-.00178	.00164

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E094) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.006	RDA =	.046
RDBF =	-10.187	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 94/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.700	.060	5.05000	.22880	.00980	.22700	.02990	7.59300	.00590	.00350	-.00030	-.00250
.700	1.130	5.10000	.23180	.00970	.23000	.03030	7.59200	.00640	-.01520	-.00240	-.00140
.700	2.170	5.10000	.23130	.00880	.22960	.02930	7.83800	.00700	-.03920	-.00440	.00230
.700	3.180	5.10000	.23630	.00760	.23460	.02860	8.21700	.00150	-.05890	-.00620	.00450
.700	4.210	5.10000	.23360	.00780	.23200	.02850	8.12600	.00290	-.07610	-.00760	.00490
.700	6.260	5.05000	.23330	.00710	.23180	.02760	8.39800	.00290	-.11440	-.01030	.00720
.700	8.320	5.04000	.23420	.00810	.23260	.02860	8.12400	.00220	-.13930	-.01010	.00410
	GRADIENT	.00975	.00136	-.00059	.00141	-.00043	.16303	-.00105	-.01960	-.00178	.00200

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E095) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.023
RDBF =	-10.293	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 95/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.701	-6.070	5.25000	.24300	.00560	.24150	.02780	8.67600	.00300	.11790	.01110	-.01120
.701	-4.020	5.24000	.23950	.00730	.23790	.02910	8.17600	.00520	.08210	.00730	-.00890
.701	-3.000	5.23000	.23970	.00750	.23800	.02930	8.11800	.00420	.06230	.00520	-.00740
.701	-1.990	5.22000	.23430	.00850	.23250	.02980	7.80600	.00720	.04310	.00330	-.00580
.701	-.980	5.20000	.23570	.00890	.23400	.03020	7.74000	.00560	.02450	.00160	-.00420
.701	.040	5.04000	.22750	.00350	.22640	.02350	9.63800	.00570	.00420	-.00030	-.00260
.701	1.150	5.06000	.23020	.01000	.22840	.03030	7.54200	.00670	-.01510	-.00240	-.00170
.701	2.180	5.08000	.23070	.00880	.22900	.02920	7.85300	.00640	-.03910	-.00440	.00230
.701	3.210	5.06000	.23380	.00760	.23220	.02820	8.22300	.00180	-.05950	-.00610	.00440
.701	4.240	5.06000	.23250	.00810	.23090	.02850	8.08900	.00270	-.07720	-.00770	.00500
.701	6.290	5.06000	.23450	.00700	.23300	.02770	8.42100	.00290	-.11520	-.01040	.00710
	GRADIENT	-.02651	-.00093	.00009	-.00093	-.00011	-.00339	-.00029	-.01942	-.00182	.00177

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E096) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.016	RDA =	.004
RDBF =	-10.272	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 96/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-4.050	5.24000	.24020	.00710	.23860	.02900	8.21900	.00510	.08250	.00740	-.00890
.698	-3.040	5.24000	.24120	.00750	.23950	.02950	8.11500	.00420	.06380	.00530	-.00750
.698	-2.030	5.23000	.23600	.00860	.23430	.03010	7.78500	.00730	.04470	.00350	-.00590
.698	-1.030	5.21000	.23610	.00870	.23430	.03020	7.76900	.00570	.02540	.00180	-.00410
.698	-.030	5.06000	.22910	.00970	.22740	.02990	7.61300	.00610	.00520	-.00020	-.00280
	GRADIENT	-.03874	-.00271	.00064	-.00274	.00025	-.15510	.00035	-.01920	-.00186	.00155

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E097) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.015
RDBF =	-10.279	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 97/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-1.940	.03000	-.10210	.01770	-.10140	.02110	-4.80500	-.00130	.00180	.00020	-.00130
.600	.040	.03000	-.00920	.01590	-.00920	.01590	-.57700	-.00110	.00070	.00000	-.00040
.600	2.050	.03000	.08320	.01710	.08250	.02010	4.10100	.00140	.00130	-.00010	-.00080
.600	4.050	.03000	.17630	.01160	.17510	.02400	7.28200	.00400	.00200	-.00030	-.00100
.600	6.070	.05000	.27320	.00260	.27140	.03150	8.61800	.00400	.00210	-.00040	-.00130
.600	8.060	.05000	.37770	-.00990	.37540	.04310	8.70100	.00140	.00210	-.00030	-.00150
.600	10.120	.05000	.49070	-.02560	.48760	.06100	7.99400	-.00140	.00260	-.00040	-.00180
.600	11.120	.06000	.54370	-.03360	.54000	.07200	7.50300	-.00050	.00250	-.00040	-.00190
.600	12.110	.06000	.59420	-.04080	.58960	.08490	6.94800	.00090	.00210	-.00040	-.00160
.600	13.110	.06000	.65560	-.04480	.64870	.10500	6.17600	-.00330	.00250	-.00020	-.00180
.600	14.120	.06000	.70330	-.03940	.69170	.13330	5.18900	-.00590	.00160	.00020	-.00170
.600	15.100	.07000	.75610	-.03750	.73980	.16080	4.60100	-.01120	.00420	-.00180	-.00280
.600	16.090	.09000	.80870	-.03560	.78680	.18990	4.14300	-.01530	.00300	-.00070	-.00230
.600	20.020	.16000	1.07920	-.03570	1.02620	.33590	3.05500	-.04680	-.00290	.00310	-.00080
	GRADIENT	.00000	.04643	-.00086	.04611	.00065	2.04891	.00092	.00006	-.00008	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E098) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.019
RDBF =	-10.294	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 98/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-1.950	2.08000	-.10650	.01770	-.10580	.02130	-4.95600	.00000	-.03280	-.00150	-.00010
.598	.020	2.11000	-.01210	.01870	-.01210	.01870	-.64600	-.00090	-.03690	-.00240	.00180
.598	2.050	2.14000	.08020	.01660	.07960	.01950	4.08600	.00160	-.03710	-.00310	.00190
.598	4.090	2.16000	.17670	.01110	.17550	.02370	7.40900	.00550	-.03720	-.00390	.00170
.598	6.160	2.19000	.28160	.00110	.27990	.03140	8.92000	.00380	-.03770	-.00450	.00200
.598	8.200	2.21000	.38590	-.01060	.38350	.04450	8.60900	.00320	-.03400	-.00490	.00020
.598	10.260	2.21000	.49670	-.02720	.49360	.06170	7.99600	-.00150	-.03620	-.00640	.00200
.598	11.240	2.21000	.54930	-.03500	.54560	.07270	7.50500	-.00170	-.03750	-.00710	.00250
.598	12.180	2.22000	.59980	-.04190	.59510	.08560	6.95300	-.00220	-.03720	-.00700	.00220
.598	13.170	2.23000	.66040	-.04580	.65340	.10580	6.17300	-.00580	-.03670	-.00660	.00160
.598	14.170	2.23000	.70800	-.03860	.69590	.13590	5.12000	-.00950	-.03890	-.00570	.00230
.598	15.210	2.25000	.76300	-.03860	.74640	.16290	4.58200	-.01310	-.03690	-.00630	.00140
.598	16.210	2.26000	.81680	-.03710	.79470	.19240	4.13100	-.01740	-.03880	-.00500	.00200
.598	20.070	2.29000	1.07760	-.03750	1.02510	.33460	3.06400	-.04430	-.04670	-.00190	.00430
	GRADIENT	.01339	.04674	-.00109	.04643	.00040	2.07502	.00095	-.00066	-.00039	.00027

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E099) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	-.042
RDBF =	-10.307	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 99/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-6.140	.20000	.00210	.01580	.00210	.01580	.13000	-.00240	.11380	.00650	-.00910
.601	-4.110	.13000	-.00460	.00870	-.00460	.00870	-.52800	-.00180	.07680	.00450	-.00630
.601	-3.110	.10000	-.00580	.01820	-.00580	.01820	-.32100	-.00130	.05850	.00320	-.00470
.601	-2.070	.10000	-.00660	.01860	-.00670	.01860	-.35900	-.00120	.04020	.00210	-.00380
.601	-1.030	.07000	-.00790	.01910	-.00790	.01910	-.41700	-.00160	.01890	.00100	-.00120
.601	-.010	.10000	-.00870	.01910	-.00880	.01910	-.46100	-.00110	.00070	-.00020	-.00080
.601	1.030	.09000	-.00910	.01910	-.00910	.01910	-.47600	-.00030	-.01700	-.00150	.00020
.601	2.070	.08000	-.01000	.01860	-.01000	.01860	-.54000	-.00110	-.03600	-.00260	.00190
.601	3.100	.08000	-.00930	.01830	-.00930	.01830	-.50700	-.00020	-.05140	-.00350	.00130
.601	4.110	.09000	-.00920	.01760	-.00920	.01760	-.52500	-.00210	-.07090	-.00440	.00280
.601	6.160	.08000	-.00520	.01560	-.00520	.01560	-.33500	-.00300	-.10940	-.00590	.00580
.601	8.210	.09000	-.00190	.01460	-.00200	.01460	-.13400	-.00210	-.13940	-.00540	.00520
	GRADIENT	-.00388	-.00060	.00058	-.00059	.00058	-.01570	.00006	-.01793	-.00109	.00109

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E100) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.024
RDBF =	-10.297	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 100/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-5.990	10.11000	.49320	-.02760	.49040	.05940	8.24900	-.00010	.11040	.01620	-.00990
.600	-3.980	10.12000	.49230	-.02700	.48940	.05990	8.16500	.00020	.07930	.01090	-.00880
.600	-2.970	10.10000	.49310	-.02650	.49010	.06040	8.11300	-.00130	.05980	.00780	-.00700
.600	-1.960	10.09000	.49160	-.02600	.48850	.06050	8.07000	-.00110	.04080	.00490	-.00530
.600	-.960	10.11000	.49060	-.02590	.48760	.06060	8.04100	-.00100	.02260	.00230	-.00370
.600	.030	10.11000	.49110	-.02580	.48800	.06080	8.02600	-.00120	.00320	-.00060	-.00200
.600	1.040	10.12000	.48740	-.02670	.48460	.05930	8.16700	-.00050	-.01570	-.00370	-.00020
.600	2.060	10.13000	.48700	-.02580	.48390	.06020	8.03600	-.00060	-.03480	-.00640	.00160
.600	3.090	10.15000	.48820	-.02660	.48530	.05980	8.10800	-.00290	-.05480	-.00920	.00390
.600	4.110	10.15000	.48660	-.02710	.48370	.05910	8.18800	-.00250	-.07490	-.01170	.00600
.600	6.190	10.16000	.48810	-.02700	.48520	.05950	8.15700	-.00140	-.11000	-.01630	.00650
.600	8.210	10.15000	.49050	-.02740	.48760	.05940	8.20700	-.00350	-.14490	-.01990	.00850
	GRADIENT	.00595	-.00082	-.00002	-.00081	-.00011	.00228	-.00023	-.01899	-.00281	.00180

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E101) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.000
RDBF =	-10.293	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-6.010	12.04000	.60310	-.04210	.59860	.08460	7.07500	-.00590	.11040	.01730	-.00990
.599	-4.000	12.07000	.60230	-.04170	.59770	.08520	7.01600	-.00400	.07690	.01190	-.00780
.599	-2.990	12.06000	.60060	-.04110	.59590	.08540	6.97900	-.00300	.05850	.00860	-.00640
.599	-1.980	12.06000	.59610	-.04070	.59140	.08480	6.97700	-.00070	.04030	.00560	-.00510
.599	-.960	12.08000	.59300	-.04050	.58830	.08450	6.96600	.00060	.02190	.00270	-.00350
.599	.050	12.07000	.59060	-.04050	.58600	.08390	6.98500	.00110	.00270	-.00040	-.00180
.599	1.050	12.05000	.59020	-.04070	.58570	.08340	7.02600	.00080	-.01740	-.00380	.00030
.599	2.090	12.08000	.59060	-.04100	.58610	.08350	7.02200	-.00160	-.03610	-.00700	.00220
.599	3.060	12.05000	.59500	-.04100	.59040	.08410	7.01900	-.00480	-.05470	-.01000	.00360
.599	4.140	12.08000	.59400	-.04120	.58950	.08400	7.01600	-.00690	-.07300	-.01280	.00520
.599	6.170	12.09000	.60040	-.04110	.59560	.08560	6.96100	-.00710	-.10850	-.01770	.00600
.599	8.260	12.08000	.59990	-.04050	.59510	.08580	6.93200	-.00970	-.14070	-.02220	.00670
	GRADIENT	.00035	-.00105	.00002	-.00103	-.00020	.00443	-.00031	-.01859	-.00306	.00165

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E102) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.073	RDA =	.020
RDBF =	.134	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

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

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-1.940	.01000	-.07510	.02450	-.07420	.02700	-2.75100	-.01840	.00190	.00010	-.00130
.600	.040	.02000	.01590	.02630	.01580	.02630	.60300	-.01770	.00180	.00000	-.00130
.600	2.060	.02000	.11050	.02410	.10960	.02800	3.90800	-.01550	.00170	-.00010	-.00120
.600	4.060	.03000	.20530	.01870	.20340	.03320	6.12000	-.01470	.00170	-.00030	-.00120
.600	6.040	.05000	.30250	.01000	.29980	.04180	7.17200	-.01590	.00140	-.00040	-.00120
.600	8.040	.05000	.41000	-.00240	.40630	.05500	7.38400	-.01910	.00080	-.00060	-.00120
.600	10.100	.05000	.52040	-.01750	.51540	.07410	6.95700	-.02040	.00070	-.00070	-.00110
.600	11.090	.06000	.57200	-.02530	.56620	.06520	6.64400	-.01990	.00070	-.00070	-.00110
.600	12.060	.06000	.62190	-.03260	.61500	.09800	6.27200	-.01940	.00030	-.00070	-.00090
.600	13.100	.06000	.68600	-.03640	.67640	.12000	5.63600	-.02430	.00070	-.00040	-.00100
.600	14.120	.06000	.73280	-.03070	.71820	.14903	4.82200	-.02700	.00070	-.00060	-.00120
.600	15.100	.07000	.78090	-.02890	.76150	.17550	4.34000	-.02930	.00110	-.00150	-.00170
.600	16.080	.08000	.83110	-.02820	.80640	.20310	3.97100	-.03200	-.00010	.00010	-.00100
.600	20.010	.14000	1.08280	-.03850	1.03060	.33430	3.08300	-.05010	-.00360	.00440	-.00050
	GRADIENT	.00299	.04674	-.00098	.04628	.00102	1.49426	.00066	-.00003	-.00006	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E103) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.026	RDA =	.064
RDBF =	16.330	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 103/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-1.930	.01000	-.04070	.03700	-.03950	.03840	-1.02800	-.03910	.00240	.00000	-.00140
.599	.060	.03000	.05050	.03890	.05050	.03890	1.29600	-.03740	.00240	-.00020	-.00160
.599	2.060	.03000	.14270	.03690	.14130	.04200	3.36700	-.03520	.00260	-.00020	-.00170
.599	4.050	.02000	.23910	.03170	.23630	.04850	4.86700	-.03400	.00240	-.00040	-.00150
.599	6.040	.05000	.33510	.02310	.33080	.05820	5.68000	-.03450	.00200	-.00050	-.00150
.599	8.060	.05000	.44240	.01090	.43650	.07290	5.99100	-.03630	.00180	-.00050	-.00140
.599	10.100	.05000	.54780	-.01010	.54110	.08610	6.28500	-.03640	.00150	-.00060	-.00140
.599	11.100	.06000	.60040	-.01100	.59130	.10480	5.64100	-.03460	.00110	-.00060	-.00140
.599	12.080	.06000	.65280	-.01780	.64210	.11930	5.38300	-.03440	.00040	-.00070	-.00110
.599	13.100	.06000	.71620	-.01920	.70190	.14360	4.88600	-.04000	.00100	.00010	-.00120
.599	14.120	.06000	.76140	-.01350	.74170	.17270	4.29500	-.04270	.00240	-.00060	-.00210
.599	15.110	.07000	.81920	-.01200	.79400	.20200	3.93000	-.04930	.00340	-.00220	-.00250
.599	16.100	.08000	.86890	-.01070	.83780	.23060	3.63300	-.05100	.00070	.00040	-.00150
.599	20.040	.13000	1.14650	-.01360	1.08170	.38000	2.84600	-.08510	-.00320	.00280	-.00040
	GRADIENT	.00150	.04672	-.00090	.04605	.00167	.99079	.00088	.00001	-.00006	-.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E104) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.006	RDA =	-.015
RDBF =	21.071	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 104/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-1.960	.01000	-.03220	.04190	-.03070	.04300	-.71500	-.04500	.00290	-.00010	-.00160
.599	.040	.03000	.06140	.03500	.06130	.03510	1.74800	-.04440	.00280	-.00020	-.00180
.599	2.050	.03000	.15420	.04210	.15260	.04760	3.20500	-.04160	.00250	-.00030	-.00170
.599	4.040	.02000	.24920	.03700	.24590	.05450	4.51300	-.04090	.00250	-.00060	-.00160
.599	6.050	.05000	.34750	.02860	.34260	.06500	5.27000	-.04170	.00190	-.00070	-.00150
.599	8.070	.05000	.45430	.01650	.44750	.08010	5.58600	-.04390	.00170	-.00080	-.00150
.599	10.100	.05000	.56090	.00240	.55180	.10070	5.47700	-.04390	.00130	-.00080	-.00140
.599	11.100	.06000	.61200	-.00490	.60150	.11300	5.32100	-.04220	.00170	-.00060	-.00140
.599	12.090	.06000	.66480	-.01760	.65370	.12200	5.35800	-.04260	.00080	-.00080	-.00120
.599	13.110	.06000	.72910	-.01240	.71290	.15320	4.65300	-.04840	.00050	-.00030	-.00110
.599	14.130	.06000	.77580	-.00680	.75400	.18280	4.12500	-.05190	.00270	-.00090	-.00230
.599	15.120	.07000	.83320	-.00500	.80570	.21260	3.79000	-.05870	.00380	-.00210	-.00270
.599	16.100	.08000	.88730	-.00350	.85350	.24270	3.51600	-.06380	.00190	-.00050	-.00180
.599	20.050	.13000	1.16980	-.00560	1.10080	.39580	2.78100	-.10060	-.00260	.00190	-.00040
	GRADIENT	.00150	.04683	-.00038	.04603	.00235	.85670	.00075	-.00008	-.00008	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E105) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.039	RDA =	-.006
RDBF =	21.085	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 105/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-3.970	10.05000	.56450	.00120	.55560	.09970	5.57300	-.04610	.08000	.01150	-.00940
.600	-2.970	10.04000	.56200	.00180	.55310	.09970	5.54700	-.04580	.06030	.00820	-.00720
.600	-1.970	10.03000	.56290	.00210	.55400	.10010	5.53200	-.04520	.04120	.00530	-.00530
.600	-.960	10.05000	.55930	.00250	.55030	.10010	5.50000	-.04430	.02170	.00250	-.00330
.600	.030	10.05000	.55800	.00270	.54900	.10000	5.48700	-.04400	.00180	-.00060	-.00140
.600	1.030	10.02000	.55620	.00320	.54710	.10000	5.47200	-.04450	-.01760	-.00370	.00050
.600	2.060	10.06000	.55740	.00280	.54830	.10020	5.47400	-.04550	-.03680	-.00680	.00240
.600	3.080	10.08000	.55700	.00260	.54790	.10000	5.47700	-.04630	-.05680	-.00950	.00450
.600	4.120	10.09000	.55700	.00190	.54810	.09950	5.51100	-.04760	-.07750	-.01230	.00700
.600	6.180	10.08000	.56030	.00020	.55160	.09830	5.61200	-.05010	-.11930	-.01710	.01080
.600	8.220	10.08000	.56580	.00010	.55710	.09910	5.62200	-.05370	-.15430	-.02080	.01300
	GRADIENT	.00515	-.00097	.00012	-.00099	.00000	-.00989	-.00014	-.01943	-.00295	.00198

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E106) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	-.009
RDBF =	16.373	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-5.980	10.04000	.55500	-.00560	.54740	.09120	6.00100	-.04160	.11790	.01700	-.01360
.599	-3.980	10.06000	.55260	-.00480	.54490	.09180	5.93700	-.03860	.08150	.01120	-.00990
.599	-2.980	10.04000	.55210	-.00420	.54440	.09210	5.90800	-.03860	.06110	.00810	-.00760
.599	-1.970	10.03000	.54870	-.00380	.54100	.09180	5.89200	-.03750	.04160	.00520	-.00560
.599	-.970	10.01000	.54790	-.00320	.54010	.09210	5.86400	-.03680	.02160	.00250	-.00350
.599	.040	10.05000	.54540	-.00310	.53760	.09220	5.83300	-.03680	.00200	-.00060	-.00150
.599	1.040	10.04000	.54540	-.00280	.53760	.09230	5.82600	-.03710	-.01780	-.00380	.00060
.599	2.060	10.06000	.54680	-.00300	.53900	.09250	5.82400	-.03860	-.03750	-.00680	.00250
.599	3.050	10.06000	.54800	-.00330	.54010	.09250	5.83800	-.03930	-.05720	-.00960	.00480
.599	4.110	10.08000	.54590	-.00180	.53780	.09380	5.73500	-.04020	-.07880	-.01240	.00740
.599	6.160	10.08000	.55030	-.00520	.54270	.09120	5.95100	-.04280	-.12050	-.01730	.01130
.599	8.210	10.08000	.55640	.00290	.54730	.10020	5.46100	-.04620	-.15520	-.02050	.01310
	GRADIENT	.00382	-.00075	.00028	-.00079	.00018	-.01973	-.00018	-.01972	-.00294	.00209

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E107) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.007
RDBF =	-.009	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 107/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-5.980	10.03000	.51850	-.02110	.51430	.06950	7.40400	-.02100	.11840	.01660	-.01420
.600	-3.970	10.04000	.51750	-.01980	.51300	.07070	7.25500	-.01990	.08240	.01100	-.01050
.600	-2.970	10.03000	.51930	-.01890	.51460	.07180	7.16400	-.02100	.06140	.00800	-.00790
.600	-1.970	10.02000	.51790	-.01820	.51320	.07220	7.10400	-.02090	.04120	.00500	-.00550
.600	-.960	10.02000	.51510	-.01720	.51020	.07260	7.02700	-.02060	.02080	.00220	-.00320
.600	.040	10.04000	.51480	-.01700	.50980	.07300	6.98200	-.02040	.00140	-.00050	-.00120
.600	1.020	10.00000	.51290	-.01680	.50800	.07250	7.00300	-.02050	-.01830	-.00350	.00110
.600	2.040	10.02000	.51120	-.01750	.50650	.07170	7.05900	-.01980	-.03840	-.00630	.00330
.600	3.090	10.06000	.51020	-.01850	.50560	.07090	7.13300	-.01960	-.05900	-.00910	.00570
.600	4.120	10.07000	.50790	-.01970	.50350	.06940	7.26000	-.01790	-.08070	-.01180	.00860
.600	6.170	10.06000	.50920	-.02200	.50520	.06730	7.51100	-.01810	-.12120	-.01680	.01200
.600	8.220	10.05000	.50740	-.02280	.50360	.06620	7.61000	-.01870	-.15540	-.02020	.01370
	GRADIENT	.00319	-.00134	.00005	-.00133	-.00015	-.00284	.00024	-.02002	-.00282	.00230

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E108) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	.032
RDBF =	-10.195	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 108/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.397	-6.010	5.21000	.23070	.00080	.22970	.02170	10.57000	.00030	.10630	.01040	-.00800
.397	-4.030	5.20000	.22880	.00280	.22760	.02350	9.68200	.00200	.07330	.00690	-.00570
.397	-3.030	5.20000	.22760	.00350	.22630	.02410	9.38400	.00290	.05580	.00500	-.00460
.397	-2.010	5.21000	.22210	.00460	.22070	.02470	8.91900	.00570	.03780	.00340	-.00330
.397	-1.020	5.20000	.22370	.00500	.22230	.02520	8.80900	.00470	.02000	.00190	-.00220
.397	-.010	5.02000	.21320	.00630	.21190	.02490	8.51000	.00580	.00200	.00000	-.00110
.397	1.160	5.03000	.21740	.00580	.21610	.02490	8.68600	.00450	-.01910	-.00220	.00050
.397	2.140	5.06000	.21780	.00540	.21650	.02460	8.79800	.00510	-.03560	-.00380	.00110
.397	3.150	5.07000	.22040	.00440	.21910	.02380	9.18800	.00180	-.05480	-.00540	.00280
.397	4.170	5.07000	.22240	.00330	.22120	.02290	9.64200	-.00010	-.07360	-.00670	.00410
.397	6.200	5.06000	.22400	.00180	.22300	.02160	10.33000	.00070	-.10920	-.00940	.00540
.397	8.230	5.04000	.22650	.00090	.22550	.02080	10.83000	.00010	-.14160	-.01170	.00640
	GRADIENT	-.02235	-.00100	.00011	-.00099	-.00006	-.01746	-.00021	-.01788	-.00168	.00118

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E109) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.034
RDBF =	-10.193	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 109/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-5.970	10.09000	.47150	-.03080	.46960	.05230	8.97900	-.00020	.10390	.01470	-.00820
.398	-3.950	10.05000	.46680	-.02840	.46460	.05350	8.69000	.00230	.07280	.00990	-.00670
.398	-2.950	10.03000	.46550	-.02780	.46320	.05370	8.62000	.00190	.05520	.00720	-.00550
.398	-1.950	10.02000	.46450	-.02710	.46210	.05410	8.53500	.00250	.03720	.00450	-.00440
.398	-.950	10.04000	.46360	-.02680	.46120	.05440	8.47700	.00310	.01940	.00190	-.00310
.398	.040	10.04000	.45970	-.02640	.45730	.05420	8.44400	.00280	.00110	-.00060	-.00140
.398	1.030	10.01000	.45740	-.02630	.45500	.05360	8.48800	.00260	-.01680	-.00340	.00020
.398	2.050	10.04000	.45750	-.02640	.45520	.05370	8.47000	.00140	-.03550	-.00590	.00190
.398	3.070	10.06000	.45770	-.02690	.45530	.05350	8.51900	.00110	-.05350	-.00850	.00310
.398	4.080	10.06000	.45850	-.02770	.45630	.05280	8.63500	.00030	-.07150	-.01080	.00450
.398	6.140	10.07000	.46050	-.02920	.45860	.05180	8.85900	-.00060	-.10810	-.01530	.00590
.398	8.180	10.06000	.46250	-.03030	.46070	.05090	9.04500	-.00260	-.14430	-.01930	.00860
	GRADIENT	.00235	-.00127	.00012	-.00128	-.00008	-.01057	-.00022	-.01803	-.00259	.00144

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E110) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.005	RDA =	.037
RDBF =	-10.193	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 110/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-5.980	11.81000	.55930	-.04470	.55660	.07080	7.86600	-.00100	.10360	.01670	-.00830
.398	-3.970	11.84000	.55580	-.04320	.55290	.07180	7.69600	.00180	.07310	.01110	-.00690
.398	-2.960	11.83000	.55290	-.04220	.54980	.07210	7.62900	.00190	.05540	.00810	-.00580
.398	-1.950	11.83000	.55330	-.04170	.55010	.07260	7.57700	.00340	.03750	.00520	-.00460
.398	-.950	11.83000	.54800	-.04080	.54470	.07240	7.52400	.00440	.01950	.00230	-.00330
.398	.060	11.84000	.54660	-.04090	.54340	.07210	7.53200	.00450	.00140	-.00060	-.00170
.398	1.070	11.83000	.54500	-.04080	.54180	.07170	7.55300	.00400	-.01840	-.00390	.00040
.398	2.080	11.83000	.54370	-.04100	.54050	.07130	7.58100	.00180	-.03660	-.00690	.00200
.398	3.100	11.83000	.54840	-.04150	.54520	.07190	7.58700	.00080	-.05410	-.00990	.00320
.398	4.120	11.84000	.54670	-.04220	.54370	.07090	7.67300	-.00090	-.07190	-.01220	.00460
.398	6.170	11.84000	.55390	-.04400	.55120	.07060	7.80900	-.00400	-.10730	-.01700	.00570
.398	8.210	11.82000	.55490	-.04420	.55220	.07050	7.83600	-.00650	-.14280	-.02180	.00810
	GRADIENT	.00000	-.00119	.00012	-.00120	-.00012	-.00294	-.00029	-.01806	-.00293	.00148

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E111) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	.036
RDBF =	-10.189	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 111/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.397	-6.100	-.09000	-.00810	.01360	-.00810	.01360	-.59600	-.00390	.10700	.00680	-.00830
.397	-4.090	-.16000	-.01330	.01570	-.01330	.01580	-.84200	-.00310	.07300	.00450	-.00590
.397	-3.090	-.19000	-.01540	.01660	-.01540	.01660	-.92400	-.00290	.05530	.00330	-.00470
.397	-2.050	-.19000	-.01650	.01730	-.01640	.01740	-.94800	-.00200	.03620	.00220	-.00320
.397	-1.030	-.22000	-.01900	.01800	-.01900	.01800	-1.05100	-.00140	.01710	.00110	-.00110
.397	.010	-.24000	-.02100	.01800	-.02090	.01810	-1.15500	-.00120	.00030	.00010	-.00050
.397	1.030	-.22000	-.01980	.01770	-.01980	.01780	-1.11000	-.00090	-.01670	-.00110	-.00020
.397	2.070	-.22000	-.02080	.01720	-.02080	.01730	-1.20400	-.00150	-.03410	-.00210	.00080
.397	3.090	-.21000	-.01870	.01640	-.01860	.01640	-1.13200	-.00270	-.05290	-.00290	.00230
.397	4.060	-.20000	-.01740	.01560	-.01740	.01570	-1.10700	-.00450	-.07090	-.00370	.00340
.397	6.160	-.21000	-.01590	.01350	-.01590	.01350	-1.17200	-.00490	-.10710	-.00530	.00550
.397	8.190	-.20000	-.01130	.01180	-.01130	.01180	-.95500	-.00440	-.13980	-.00590	.00630
	GRADIENT	-.00457	-.00058	-.00002	-.00058	-.00002	-.03679	-.00006	-.01749	-.00101	.00109

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E112) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.037
RDBF =	-10.200	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 112/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-2.230	2.06000	-.11140	.01520	-.11070	.01960	-5.66100	-.00320	-.03450	-.00140	.00110
.398	-.200	2.07000	-.01910	.01640	-.01910	.01650	-1.15600	-.00180	-.03450	-.00210	.00080
.398	1.770	2.09000	.06700	.01550	.06650	.01760	3.77800	.00050	-.03400	-.00270	.00060
.398	3.780	2.13000	.16040	.01040	.15940	.02090	7.61000	.00350	-.03540	-.00350	.00090
.398	5.850	2.19000	.25690	.00160	.25540	.02780	9.19500	.00500	-.03610	-.00420	.00110
.398	7.890	2.20000	.35490	-.01070	.35300	.03810	9.25900	.00330	-.03560	-.00470	.00140
.398	9.900	2.19000	.45520	-.02540	.45280	.05320	8.50700	.00120	-.03580	-.00600	.00180
.398	10.910	2.19000	.50550	-.03350	.50270	.06280	8.00700	.00130	-.03630	-.00670	.00190
.398	11.910	2.19000	.55180	-.04080	.54830	.07390	7.41500	.00160	-.03590	-.00680	.00210
.398	12.900	2.20000	.60220	-.04990	.59810	.08580	6.97300	.00130	-.03680	-.00690	.00210
.398	13.910	2.21000	.65770	-.05830	.65240	.10150	6.42500	-.00020	-.03740	-.00680	.00230
.398	14.910	2.22000	.71280	-.06640	.70580	.11920	5.92000	-.00290	-.03860	-.00690	.00240
.398	15.890	2.24000	.77270	-.07430	.76350	.14010	5.45000	-.00620	-.03920	-.00640	.00240
.398	19.800	2.25000	.97920	-.07600	.94710	.26010	3.64200	-.01420	-.03980	-.00540	.00230
	GRADIENT	.01149	.04508	-.00076	.04480	.00025	2.23707	.00112	-.00011	-.00035	-.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E113) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.033
RDBF =	-10.194	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 113/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-2.210	-.02000	-.11060	.01600	-.10990	.02020	-5.44000	-.00240	.00270	.00000	-.00150
.398	-.190	-.01000	-.01980	.01800	-.01970	.01810	-1.09300	-.00120	.00060	-.00020	-.00070
.398	1.800	.00000	.06800	.01620	.06740	.01830	3.68100	.00110	.00180	-.00030	-.00110
.398	3.800	.01000	.15790	.01110	.15680	.02150	7.28600	.00490	.00200	-.00040	-.00120
.398	5.800	.03000	.25150	.00250	.24990	.02790	8.96000	.00610	.00220	-.00050	-.00130
.398	7.820	.03000	.34950	-.00970	.34760	.03790	9.16400	.00420	.00210	-.00070	-.00160
.398	9.790	.04000	.44740	-.02410	.44500	.05240	8.49800	.00310	.00180	-.00090	-.00170
.398	10.780	.05000	.49440	-.03190	.49170	.06110	8.05100	.00370	.00250	-.00090	-.00180
.398	11.840	.06000	.54710	-.04050	.54380	.07270	7.48100	.00490	.00230	-.00090	-.00190
.398	12.830	.05000	.59950	-.04850	.59530	.08580	6.94100	.00460	.00270	-.00090	-.00190
.398	13.820	.05000	.65010	-.05690	.64490	.10010	6.44300	.00340	.00300	-.00100	-.00200
.398	14.820	.05000	.70550	-.06510	.69870	.11750	5.94700	.00100	.00260	-.00070	-.00200
.398	15.810	.06000	.76410	-.07330	.75520	.13760	5.48800	-.00270	.00250	-.00100	-.00180
.398	19.780	.13000	.98500	-.07580	.95260	.26200	3.63500	-.01440	-.00030	.00050	-.00120
	GRADIENT	.00499	.04462	-.00082	.04432	.00020	2.14546	.00121	-.00005	-.00006	.00003

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E114) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.036
RDBF =	-10.198	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 114/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.396	-6.020	4.96000	.22060	.00190	.21960	.02100	10.47000	.00040	.10690	.00990	-.00810
.396	-4.030	4.95000	.21740	.00380	.21620	.02250	9.59900	.00210	.07420	.00640	-.00590
.396	-3.020	4.95000	.21620	.00480	.21490	.02340	9.17100	.00310	.05550	.00460	-.00450
.396	-2.020	4.95000	.21170	.00570	.21040	.02390	8.79800	.00560	.03810	.00300	-.00340
.396	-1.010	4.93000	.21070	.00630	.20940	.02430	8.59900	.00470	.02020	.00140	-.00240
.396	.000	4.76000	.20180	.00750	.20050	.02420	8.28900	.00640	.00210	-.00050	-.00120
.396	1.100	4.82000	.20800	.00690	.20670	.02440	8.47500	.00480	-.01810	-.00240	.00040
.396	2.140	4.83000	.20610	.00660	.20480	.02390	8.56700	.00510	-.03490	-.00420	.00100
.396	3.150	4.83000	.20900	.00560	.20780	.02310	8.98600	.00230	-.05390	-.00570	.00270
.396	4.170	4.83000	.21110	.00450	.20990	.02230	9.41100	-.00020	-.07290	-.00690	.00410
.396	6.200	4.82000	.21200	.00310	.21100	.02090	10.11000	.00150	-.10850	-.00970	.00530
.396	8.240	4.81000	.21270	.00240	.21180	.02020	10.49000	.00030	-.14010	-.01180	.00610
	GRADIENT	-.01921	- 00097	.00012	-.00097	-.00003	-.02979	-.00021	-.01783	-.00166	.00119

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E115) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.053
RDBF =	-6.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 115/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-6.030	4.96000	.22500	.00270	.22390	.02210	10.11000	-.00130	.10930	.00990	-.00830
.398	-4.030	4.95000	.22230	.00480	.22100	.02390	9.24000	.00050	.07580	.00640	-.00630
.398	-3.020	4.95000	.21960	.00560	.21830	.02460	8.88500	.00150	.05760	.00470	-.00490
.398	-2.030	4.92000	.21410	.00670	.21280	.02510	8.49000	.00400	.03970	.00300	-.00370
.398	-1.030	4.89000	.21200	.00740	.21060	.02550	8.26200	.00330	.02150	.00150	-.00250
.398	.000	4.76000	.20560	.00840	.20420	.02540	8.03900	.00470	.00250	-.00040	-.00130
.398	1.090	4.82000	.21060	.00780	.20920	.02550	8.20300	.00320	-.01760	-.00250	.00030
.398	2.140	4.82000	.21130	.00740	.20990	.02510	8.35200	.00360	-.03500	-.00420	.00090
.398	3.150	4.82000	.21210	.00650	.21080	.02430	8.66000	.00080	-.05460	-.00570	.00270
.398	4.160	4.83000	.21440	.00550	.21320	.02360	9.05200	-.00140	-.07330	-.00700	.00430
.398	6.190	4.81000	.21550	.00410	.21440	.02220	9.65700	-.00010	-.10880	-.00970	.00540
.398	8.230	4.80000	.21800	.00320	.21700	.02140	10.12000	-.00090	-.14140	-.01180	.00630
	GRADIENT	-.01839	-.00098	.00012	-.00097	-.00004	-.02759	-.00018	-.01817	-.00167	.00125

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E116) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.013	RDA =	.049
RDBF =	-3.897	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 116/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.020	4.96000	.22830	.00390	.22710	.02360	9.62500	-.00280	.11020	.01030	-.00870
.399	-4.040	4.95000	.22800	.00600	.22660	.02570	8.82700	-.00260	.07680	.00670	-.00670
.399	-3.020	4.95000	.22570	.00700	.22430	.02640	8.49300	-.00210	.05850	.00460	-.00540
.399	-2.030	4.95000	.22290	.00790	.22140	.02710	8.16700	-.00050	.04060	.00320	-.00430
.399	-1.020	4.93000	.22260	.00870	.22100	.02780	7.93900	-.00130	.02280	.00150	-.00300
.399	-.010	4.77000	.21430	.00970	.21280	.02750	7.72900	.00010	.00260	-.00030	-.00130
.399	1.140	4.77000	.21600	.00960	.21450	.02750	7.79400	-.00130	-.01870	-.00250	.00050
.399	2.130	4.82000	.21650	.00870	.21500	.02690	7.99500	-.00040	-.03600	-.00420	.00140
.399	3.140	4.82000	.21920	.00690	.21780	.02530	8.59800	-.00220	-.05540	-.00580	.00330
.399	4.170	4.82000	.22060	.00660	.21920	.02520	8.71200	-.00370	-.07460	-.00700	.00470
.399	6.200	4.81000	.21940	.00500	.21820	.02340	9.32900	-.00200	-.11020	-.00990	.00610
.399	8.220	4.80000	.22120	.00410	.22010	.02260	9.73400	-.00260	-.14200	-.01200	.00660
	GRADIENT	-.02153	-.00110	.00007	-.00110	-.00010	-.00971	-.00007	-.01848	-.00170	.00140

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E117) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.055
RDBF =	-1.802	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 117/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.020	4.96000	.23890	.00540	.23750	.02610	9.11100	-.00890	.11330	.01030	-.01000
.399	-4.030	4.94000	.23880	.00830	.23720	.02880	8.23400	-.01010	.08040	.00680	-.00630
.399	-3.020	4.95000	.23760	.00940	.23590	.02980	7.91300	-.00900	.06110	.00490	-.00650
.399	-2.020	4.95000	.23410	.01030	.23230	.03050	7.62100	-.00800	.04130	.00310	-.00480
.399	-1.020	4.93000	.23260	.01150	.23080	.03150	7.33600	-.00770	.02310	.00160	-.00310
.399	-.010	4.76000	.22390	.00610	.22260	.02460	9.04100	-.00680	.00230	-.00030	-.00130
.399	1.130	4.77000	.22630	.01220	.22450	.03090	7.25700	-.00670	-.01840	-.00260	.00050
.399	2.120	4.79000	.22600	.01130	.22420	.03020	7.43300	-.00710	-.03750	-.00430	.00210
.399	3.140	4.79000	.22560	.01020	.22400	.02910	7.70700	-.00760	-.05760	-.00610	.00420
.399	4.150	4.80000	.22780	.00880	.22620	.02780	8.14100	-.00950	-.07720	-.00720	.00590
.399	6.180	4.78000	.22510	.00610	.22380	.02493	8.99600	-.00760	-.11400	-.01020	.00790
.399	8.220	4.77000	.22290	.00540	.22170	.02390	9.28100	-.00590	-.14440	-.01230	.00760
	GRADIENT	-.02468	-.00166	.00012	-.00165	-.00011	-.02464	.00015	-.01924	-.00175	.00172

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E118) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.048
RDBF =	.023	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 118/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-6.020	4.97000	.24860	.00730	.24700	.02880	8.57700	-.01600	.11760	.01050	-.01250
.398	-4.020	4.96000	.24590	.00980	.24410	.03110	7.86200	-.01430	.08040	.00680	-.00870
.398	-3.020	4.96000	.24530	.01110	.24340	.03230	7.54500	-.01320	.06060	.00490	-.00670
.398	-2.030	4.95000	.24070	.01200	.23870	.03270	7.30100	-.01210	.04180	.00320	-.00490
.398	-1.030	4.93000	.23990	.01310	.23790	.03370	7.05800	-.01180	.02290	.00150	-.00320
.398	-.010	4.78000	.23240	.01400	.23040	.03340	6.90700	-.01080	.00210	-.00040	-.00120
.398	1.140	4.78000	.23330	.01400	.23130	.03340	6.93400	-.01110	-.01920	-.00270	.00070
.398	2.140	4.80000	.23400	.01300	.23210	.03250	7.13500	-.01120	-.03800	-.00440	.00240
.398	3.150	4.80000	.23330	.01210	.23140	.03160	7.33200	-.01250	-.05790	-.00600	.00440
.398	4.160	4.80000	.23270	.01050	.23100	.02990	7.72700	-.01340	-.07810	-.00740	.00660
.398	6.200	4.79000	.23740	.00740	.23590	.02720	8.66700	-.01370	-.11800	-.01030	.00990
.398	8.230	4.78000	.23550	.00560	.23420	.02520	9.29200	-.01130	-.14920	-.01230	.01020
	GRADIENT	-.02545	-.00176	.00014	-.00175	-.00012	-.02591	.00013	-.01929	-.00176	.00183

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E119) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.057
RDBF =	8.014	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 119/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.030	4.94000	.26750	.01350	.26530	.03650	7.27400	-.02710	.12010	.01060	-.01340
.399	-4.020	4.93000	.26270	.01570	.26040	.03820	6.81200	-.02430	.08190	.00690	-.00930
.399	-3.020	4.93000	.26110	.01670	.25870	.03910	6.61200	-.02320	.06190	.00490	-.00720
.399	-2.030	4.92000	.25820	.01760	.25570	.03970	6.43700	-.02250	.04240	.00310	-.00510
.399	-1.040	4.90000	.25600	.01870	.25350	.04050	6.26600	-.02190	.02260	.00150	-.00290
.399	-.010	4.75000	.24930	.01960	.24690	.04020	6.13700	-.02100	.00080	-.00050	-.00040
.399	1.140	4.76000	.25030	.01970	.24780	.04040	6.13200	-.02080	-.02140	-.00270	.00170
.399	2.130	4.80000	.25150	.01890	.24900	.03990	6.24800	-.02130	-.04030	-.00460	.00350
.399	3.150	4.80000	.25290	.01810	.25050	.03920	6.38700	-.02290	-.06030	-.00620	.00560
.399	4.160	4.81000	.25510	.01700	.25270	.03830	6.60100	-.02560	-.08080	-.00750	.00790
.399	6.200	4.80000	.25990	.01450	.25780	.03620	7.11700	-.02770	-.12260	-.01060	.01180
.399	8.220	4.79000	.26370	.02210	.26090	.04410	5.92400	-.02970	-.15740	-.01280	.01390
	GRADIENT	-.02026	-.00120	.00021	-.00120	.00001	-.03251	-.00001	-.01987	-.00179	.00209

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E120) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.064
RDBF =	16.355	ALPHA =	5.000
ELEVON =	.000	SPOBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 120/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.040	4.94000	.28190	.02100	.27900	.04520	6.17700	-.03500	.12150	.01090	-.01370
.399	-4.030	4.94000	.27750	.02290	.27450	.04670	5.87800	-.03150	.08330	.00680	-.00970
.399	-3.020	4.94000	.27490	.00940	.27310	.03300	8.27300	-.03080	.06300	.00500	-.00740
.399	-2.030	4.93000	.27280	.02470	.26970	.04800	5.61500	-.02870	.04300	.00320	-.00540
.399	-1.040	4.91000	.27080	.01470	.26850	.03780	7.10500	-.02840	.02400	.00150	-.00350
.399	-.010	4.75000	.26280	.02660	.25970	.04820	5.38500	-.02720	.00260	-.00040	-.00140
.399	1.100	4.79000	.26560	.02640	.26250	.04850	5.41100	-.02720	-.01870	-.00270	.00060
.399	2.120	4.81000	.26740	.02580	.26430	.04810	5.49800	-.02820	-.03860	-.00460	.00250
.399	3.150	4.80000	.26830	.02540	.26520	.04780	5.54900	-.03040	-.05830	-.00620	.00460
.399	4.160	4.81000	.27050	.02430	.26750	.04680	5.71200	-.03360	-.07940	-.00770	.00700
.399	6.200	4.80000	.27660	.02190	.27380	.04503	6.08600	-.03620	-.12120	-.01070	.01120
.399	8.220	4.79000	.28220	.02050	.27950	.04400	6.35600	-.04030	-.15540	-.01300	.01300
	GRADIENT	-.02102	-.00103	.00110	-.00110	.00091	-.17461	-.00008	-.01978	-.00181	.00199

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E121) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.004	RDA =	.046
RDBF =	21.856	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 121/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-6.040	4.94000	.29700	.02730	.29350	.05280	5.56300	-.04300	.11970	.01080	-.01320
.398	-4.030	4.95000	.29280	.02920	.28920	.05430	5.32100	-.03940	.08170	.00690	-.00930
.398	-3.020	4.95000	.29200	.03020	.28830	.05520	5.21900	-.03780	.06210	.00490	-.00720
.398	-2.030	4.94000	.28870	.03080	.28500	.05560	5.12500	-.03650	.04280	.00320	-.00530
.398	-1.040	4.92000	.28500	.03160	.28120	.05590	5.02700	-.03550	.02320	.00150	-.00350
.398	-.010	4.78000	.27760	.03250	.27390	.05550	4.93000	-.03460	.00220	-.00060	-.00140
.398	1.080	4.83000	.27960	.02440	.27660	.04780	5.78200	-.03510	-.01910	-.00280	.00050
.398	2.130	4.83000	.28150	.03160	.27780	.05520	5.03100	-.03600	-.03830	-.00470	.00230
.398	3.140	4.83000	.28280	.03120	.27910	.05490	5.08500	-.03790	-.05840	-.00620	.00460
.398	4.160	4.83000	.28440	.03030	.28090	.05420	5.18400	-.04090	-.07920	-.00770	.00690
.398	6.190	4.82000	.29040	.02810	.28700	.05240	5.47900	-.04350	-.12050	-.01100	.01080
.398	8.220	4.81000	.29280	.02670	.28950	.05110	5.66100	-.04730	-.15460	-.01340	.01270
	GRADIENT	-.01859	-.00130	.00003	-.00128	-.00017	-.00576	-.00008	-.01961	-.00181	.00194

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E122) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.003	RDA =	.056
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 122/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.400	-10.490	9.76000	.44670	-.02420	.44430	.05190	8.56000	.00360	.00150	-.00090	-.00150
.400	-6.110	9.76000	.45080	-.02330	.44820	.05350	8.38500	.00120	.00150	-.00100	-.00150
.400	-3.880	9.76000	.45810	-.02190	.45520	.05610	8.11700	-.00260	.00150	-.00100	-.00140
.400	-2.230	9.77000	.46770	-.02390	.46500	.05570	8.34200	-.00870	.00100	-.00110	-.00110
.400	-.110	9.77000	.47470	-.01690	.47070	.06390	7.36400	-.01300	.00060	-.00100	-.00110
.400	8.120	9.78000	.48810	-.01150	.48300	.07160	6.75000	-.01940	.00050	-.00100	-.00090
.400	16.340	9.78000	.50280	-.00380	.49620	.08170	6.07400	-.02710	.00140	-.00110	-.00140
.400	21.190	9.79000	.51600	.00200	.50810	.08960	5.66800	-.03360	.00140	-.00110	-.00130
.400	21.860	9.79000	.51820	.00250	.51020	.09060	5.63000	-.03460	.00100	-.00110	-.00130
	GRADIENT	.00253	.00435	.00142	.00405	.00215	-.21190	-.00272	-.00024	.00000	.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E123) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .010 RDA = .065
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = .000

RUN NO. 123/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-10.610	9.79000	.44590	-.02430	.44360	.05190	8.55200	.00230	-.03450	-.00610	.00160
.398	-6.020	9.83000	.45180	-.02370	.44920	.05380	8.34800	-.00040	-.03510	-.00610	.00200
.398	-3.930	9.83000	.45610	-.02270	.45330	.05550	8.16100	-.00230	-.03640	-.00630	.00230
.398	-2.220	9.84000	.46540	-.02040	.46200	.05940	7.77300	-.00780	-.03650	-.00630	.00260
.398	-.250	9.84000	.47140	-.01850	.46760	.06240	7.49600	-.01170	-.03700	-.00640	.00280
.398	8.130	9.85000	.49010	-.01180	.48490	.07220	6.71700	-.02080	-.03830	-.00650	.00310
.398	16.050	9.86000	.50610	-.00420	.49940	.08260	6.04800	-.02830	-.03620	-.00660	.00230
	21.240	9.86000	.51870	.00180	.51070	.09070	5.63300	-.03550	-.03610	-.00690	.00210
	GRADIENT	.00265	.00413	.00114	.00386	.00187	-.17970	-.00254	-.00017	-.00003	.00014

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E124) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .010 RDA = .065
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = .000

RUN NO. 124/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-10.500	11.83000	.54480	-.04050	.54150	.07200	7.51700	.00530	.00210	-.00110	-.00180
.398	-6.180	11.83000	.55030	-.03990	.54680	.07390	7.40400	.00270	.00260	-.00110	-.00190
.398	-4.010	11.83000	.55330	-.03870	.54950	.07560	7.27200	.00020	.00150	-.00100	-.00170
.398	-1.840	11.84000	.56670	-.03540	.56190	.08160	6.88400	-.00780	.00050	-.00120	-.00120
.398	-.230	11.84000	.57180	-.03370	.56650	.08430	6.71800	-.01090	.00050	-.00110	-.00090
.398	7.760	11.85000	.58670	-.02850	.58000	.09250	6.26900	-.01650	.00040	-.00120	-.00110
.398	16.410	11.85000	.60470	-.02000	.59590	.10460	5.69800	-.02430	.00150	-.00110	-.00140
	21.090	11.84000	.61540	-.01400	.60520	.11260	5.37400	-.03120	.00070	-.00120	-.00120
	GRADIENT	.00276	.00497	.00133	.00457	.00233	-.14838	-.00298	-.00028	-.00003	.00021

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E125) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .012 RDA = .067
ALPHA = 12.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = .000

RUN NO. 125/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-10.630	11.82000	.54320	-.04060	.54000	.07150	7.55100	.00220	-.03490	-.00710	.00180
.399	-6.020	11.83000	.55030	-.03990	.54680	.07370	7.41800	.00030	-.03580	-.00720	.00190
.399	-3.960	11.83000	.55560	-.03880	.55170	.07600	7.26300	-.00170	-.03610	-.00730	.00220
.399	-1.880	11.83000	.56620	-.03660	.56170	.08030	6.99900	-.00720	-.03720	-.00730	.00250
.399	-.210	11.83000	.57040	-.03450	.56530	.08320	6.79300	-.01090	-.03770	-.00740	.00270
.399	8.130	11.84000	.58900	-.02830	.58220	.09320	6.24500	-.01850	-.03770	-.00740	.00280
.399	16.350	11.85000	.60260	-.01990	.59380	.10430	5.69600	-.02650	-.03710	-.00750	.00240
.399	21.270	11.86000	.61490	-.01370	.60460	.11290	5.35300	-.03340	-.03740	-.00740	.00250
	GRADIENT	.00000	.00399	.00114	.00367	.00193	-.12540	-.00246	-.00043	-.00003	.00013

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E126) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.067 RDA = -.024
RDBF = -10.444 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 126/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-2.390	.01000	-.11380	.01590	-.11310	.02060	-5.49100	-.00430	.00230	-.00060	-.00150
.399	-.400	.02000	-.02460	.01520	-.02450	.01530	-1.59900	-.00310	.00150	-.00060	-.00120
.399	1.630	.02000	.06460	.01700	.06410	.01880	3.40200	-.00080	.00180	-.00080	-.00140
.399	3.590	.03000	.15310	.01230	.15210	.02190	6.95000	.00240	.00170	-.00080	-.00140
.399	5.610	.03000	.24690	.00390	.24530	.02800	8.77500	.00380	.00200	-.00090	-.00150
.399	7.640	.04000	.34410	-.00810	.34210	.03780	9.05700	.00310	.00270	-.00110	-.00160
.399	9.640	.05000	.44360	-.02230	.44110	.05230	8.43800	.00280	.00160	-.00130	-.00150
.399	10.660	.06000	.49300	-.03030	.49010	.06140	7.98200	.00340	.00160	-.00100	-.00150
.399	11.690	.07000	.54160	-.03810	.53810	.07240	7.43100	.00470	.00190	-.00100	-.00160
.399	12.670	.07000	.59320	-.04590	.58880	.08530	6.90000	.00430	.00160	-.00110	-.00150
.399	13.640	.08000	.64330	-.05410	.63790	.09910	6.43600	.00360	.00090	-.00100	-.00130
.399	14.680	.07000	.70150	-.06250	.69440	.11730	5.92100	.00160	.00160	-.00090	-.00120
.399	15.670	.08000	.76140	-.07070	.75220	.13760	5.46700	-.00250	-.00010	-.00100	-.00070
.399	19.640	.13000	.97730	-.07420	.94530	.25870	3.65500	-.01240	-.00040	.00060	-.00090
	GRADIENT	.00300	.04456	-.00045	.04427	.00037	2.12013	.00112	-.00007	-.00004	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E127) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.189	RDA =	.067
RDBF =	-10.441	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BOFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 127/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-2.420	2.06000	-.12030	.01540	-.11960	.02050	-5.83600	-.00320	-.03460	-.00140	.00120
.398	-.410	2.09000	-.02910	.01710	-.02900	.01730	-1.66900	-.00220	-.03470	-.00230	.00100
.398	1.630	2.12000	.06100	.01670	.06050	.01840	3.28400	-.00010	-.03350	-.00280	.00030
.398	3.640	2.12000	.15290	.01180	.15190	.02150	7.07700	.00260	-.03430	-.00350	.00090
.398	5.650	2.19000	.24710	.00350	.24550	.02780	8.82400	.00510	-.03520	-.00420	.00110
.398	7.750	2.20000	.34740	-.00880	.34540	.03810	9.07300	.00420	-.03550	-.00480	.00140
.398	9.800	2.19000	.44710	-.02340	.44460	.05300	8.38200	.00240	-.03500	-.00570	.00180
.398	10.810	2.18000	.49730	-.03140	.49440	.06240	7.92300	.00300	-.03550	-.00630	.00200
.398	11.790	2.19000	.54400	-.03900	.54050	.07290	7.41100	.00330	-.03620	-.00660	.00200
.398	12.770	2.19000	.59580	-.04710	.59150	.08580	6.89300	.00300	-.03600	-.00670	.00220
.398	13.770	2.20000	.64870	-.05530	.64330	.10070	6.39000	.00170	-.03780	-.00650	.00260
.398	14.770	2.20000	.70640	-.06340	.69920	.11880	5.88700	-.00090	-.03810	-.00650	.00280
.398	15.760	2.22000	.76740	-.07160	.75800	.13950	5.43300	-.00430	-.03920	-.00620	.00290
.398	19.690	2.22000	.97740	-.07430	.94530	.25930	3.64500	-.01260	-.03900	-.00570	.00260
	GRADIENT	.01039	.04499	-.00055	.04471	.00020	2.16110	.00096	.00010	-.00034	-.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E128) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.212	RDA =	.050
RDBF =	-10.441	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 128/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-6.030	4.78000	.21340	.00350	.21240	.02130	9.97200	.00020	.10840	.01020	-.00780
.398	-4.040	4.77000	.20970	.00560	.20850	.02300	9.06300	.00110	.07510	.00670	-.00590
.398	-3.030	4.77000	.20810	.00650	.20680	.02380	8.70000	.00190	.05660	.00470	-.00460
.398	-2.040	4.76000	.20570	.00750	.20440	.02450	8.34300	.00430	.03910	.00320	-.00340
.398	-1.030	4.74000	.20240	.00800	.20100	.02480	8.12200	.00360	.02160	.00180	-.00240
.398	-.010	4.60000	.19570	.00890	.19440	.02460	7.91200	.00510	.00260	-.00010	-.00120
.398	1.090	4.62000	.19830	.00490	.19730	.02080	9.46900	.00360	-.01700	-.00220	.00000
.398	2.120	4.64000	.19800	.00830	.19670	.02430	8.10200	.00420	-.03440	-.00390	.00090
.398	3.150	4.63000	.20050	.00750	.19920	.02360	8.42800	.00140	-.05320	-.00530	.00260
.398	4.160	4.64000	.20310	.00640	.20190	.02280	8.86900	-.00090	-.07190	-.00650	.00390
.398	6.200	4.63000	.20400	.00410	.20300	.02060	9.87700	-.00080	-.10790	-.00930	.00540
.398	8.230	4.62000	.20680	.00260	.20600	.01930	10.68000	-.00170	-.14130	-.01230	.00700
	GRADIENT	-.02101	-.00110	.00007	-.00110	-.00010	-.01046	-.00016	-.01785	-.00164	.00116

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E129) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.065	RDA =	.064
RDBF =	-10.417	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 129/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-2.410	.00000	-.12370	.01680	-.12290	.02200	-5.57800	-.00260	.00180	.00000	-.00080
.599	-.370	.02000	-.02720	.01930	-.02700	.01950	-1.38500	-.00230	.00060	-.00010	-.00080
.599	1.620	.02000	.06480	.01820	.06420	.02000	3.20500	-.00040	.00240	-.00030	-.00120
.599	3.640	.03000	.15880	.01350	.15770	.02360	6.67800	.00200	.00180	-.00040	-.00110
.599	5.640	.03000	.25510	.00530	.25340	.03040	8.34000	.00230	.00210	-.00050	-.00120
.599	7.650	.04000	.35760	-.00670	.35530	.04100	8.66000	.00140	.00210	-.00050	-.00130
.599	9.710	.05000	.46780	-.02150	.46470	.05780	8.04600	.00050	.00200	-.00060	-.00150
.599	10.680	.06000	.51870	-.02890	.51500	.06770	7.60500	.00080	.00200	-.00040	-.00150
.599	11.710	.06000	.57090	-.03640	.56650	.08020	7.06600	.00140	.00130	-.00030	-.00130
.599	12.680	.06000	.62790	-.04220	.62180	.09660	6.43600	-.00090	.00160	.00010	-.00130
.599	13.700	.06000	.68230	-.03880	.67210	.12390	5.42300	-.00540	.00120	.00050	-.00100
.599	14.720	.08000	.73290	-.03610	.71800	.15130	4.74700	-.00860	.00260	-.00070	-.00200
.599	15.700	.09000	.78610	-.03420	.76600	.17970	4.26200	-.01360	.00230	-.00050	-.00170
.599	19.610	.14000	1.05000	-.03420	1.00050	.32020	3.12500	-.04430	-.00350	.00540	-.00030
	GRADIENT	.00448	.04665	-.00054	.04633	.00026	2.05336	.00078	.00009	-.00007	-.00006

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E130) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.009
RDBF =	-10.410	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 130/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-2.360	2.07000	-.11940	.01640	-.11860	.02130	-5.56700	-.00440	-.03570	-.00220	.00180
.599	-.380	2.10000	-.02870	.01880	-.02860	.01890	-1.50800	-.00360	-.03640	-.00300	.00180
.599	1.670	2.12000	.06650	.01780	.06590	.01970	3.34300	-.00130	-.03470	-.00360	.00080
.599	3.690	2.14000	.16050	.01310	.15930	.02340	6.81300	.00200	-.03500	-.00430	.00110
.599	5.750	2.20000	.26310	.00430	.26140	.03060	8.53600	.00250	-.03640	-.00520	.00170
.599	7.860	2.22000	.37230	-.00780	.36990	.04310	8.57700	.00130	-.03260	-.00570	.00050
.599	9.870	2.21000	.47700	-.02280	.47380	.05930	7.98700	-.00170	-.03560	-.00680	.00180
.599	10.860	2.21000	.53000	-.03050	.52630	.06990	7.52600	-.00190	-.03700	-.00720	.00230
.599	11.850	2.21000	.58360	-.03800	.57890	.08270	7.00000	-.00210	-.03700	-.00720	.00240
.599	12.830	2.21000	.64260	-.04330	.63620	.10040	6.33500	-.00510	-.03710	-.00670	.00210
.599	13.790	2.22000	.69270	-.03710	.68160	.12910	5.27800	-.01020	-.03790	-.00600	.00250
.599	14.740	2.22000	.74030	-.03730	.72540	.15230	4.76200	-.01230	-.03680	-.00670	.00180
.599	15.800	2.23000	.79640	-.03680	.77630	.18140	4.27900	-.01510	-.03790	-.00520	.00210
.599	19.700	2.24000	1.05360	-.03580	1.00410	.32140	3.12400	-.04200	-.04600	-.00050	.00460
	GRADIENT	.01138	.04628	-.00054	.04595	.00035	2.07891	.00107	.00019	-.00034	-.00015

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E131) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.053
RDBF =	-10.415	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 131/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-6.070	4.77000	.21690	.00640	.21560	.02440	8.82000	.00100	.11240	.00980	-.00900
.599	-4.060	4.75000	.21520	.00760	.21380	.02540	8.41500	.00130	.07770	.00630	-.00690
.599	-3.050	4.75000	.21580	.00800	.21430	.02580	8.30400	-.00020	.05990	.00440	-.00580
.599	-2.040	4.74000	.21100	.00920	.20950	.02660	7.87400	.00310	.04150	.00260	-.00430
.599	-1.030	4.72000	.21010	.00960	.20860	.02690	7.76400	.00210	.02210	.00090	-.00230
.599	.010	4.59000	.20390	.01010	.20250	.02640	7.67100	.00210	.00280	-.00100	-.00150
.599	1.090	4.61000	.20680	.00980	.20530	.02640	7.79000	.00140	-.01750	-.00310	.00040
.599	2.120	4.63000	.20560	.00970	.20420	.02620	7.77900	.00360	-.03520	-.00490	.00120
.599	3.160	4.62000	.20930	.00860	.20790	.02540	8.18600	-.00070	-.05580	-.00650	.00340
.599	4.160	4.63000	.21090	.00740	.20960	.02430	8.61100	-.00260	-.07430	-.00790	.00490
.599	6.220	4.62000	.21020	.00650	.20900	.02340	8.94800	.00020	-.11020	-.01050	.00610
.599	8.260	4.61000	.21280	.00630	.21160	.02340	9.05100	-.00070	-.13890	-.01150	.00480
	GRADIENT	-.01937	-.00082	.00003	-.00080	-.00011	.00471	-.00027	-.01853	-.00175	.00143

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E133) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.036
RDBF =	-5.994	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 133/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.070	4.77000	.21960	.00740	.21820	.02560	8.51200	-.00070	.11400	.01010	-.00940
.598	-4.060	4.76000	.21940	.00850	.21800	.02670	8.17000	-.00070	.07870	.00630	-.00700
.598	-3.050	4.76000	.21870	.00890	.21720	.02700	8.04400	-.00140	.06090	.00450	-.00600
.598	-2.040	4.75000	.21530	.01010	.21370	.02790	7.66200	.00180	.04170	.00270	-.00440
.598	-1.030	4.71000	.21300	.01080	.21140	.02830	7.48200	.00120	.02100	.00090	-.00200
.598	.000	4.63000	.20940	.01090	.20790	.02780	7.47600	.00050	.00320	-.00090	-.00150
.598	1.100	4.61000	.21100	.00730	.20970	.02420	8.65500	-.00050	-.01780	-.00320	.00050
.598	2.140	4.63000	.21050	.01070	.20890	.02760	7.56700	.00180	-.03530	-.00490	.00120
.598	3.140	4.63000	.21470	.00940	.21330	.02670	7.99500	-.00210	-.05600	-.00660	.00350
.598	4.160	4.63000	.21550	.00840	.21410	.02570	8.32400	-.00410	-.07510	-.00810	.00510
.598	6.230	4.62000	.21370	.00750	.21240	.02470	8.59300	-.00140	-.11140	-.01080	.00600
.598	8.260	4.60000	.21660	.00740	.21530	.02470	8.70000	-.00250	-.13960	-.01160	.00500
	GRADIENT	-.02019	-.00063	-.00002	-.00062	-.00016	.02423	-.00028	-.01871	-.00178	.00146

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E134) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.002	RDA =	-.027
RDBF =	-3.956	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 134/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-6.070	4.78000	.22630	.00820	.22480	.02700	8.32900	-.00340	.11580	.01010	-.01000
.599	-4.060	4.76000	.22950	.00930	.22800	.02830	8.04200	-.00770	.08260	.00670	-.00870
.599	-3.050	4.75000	.22780	.01040	.22620	.02930	7.72900	-.00820	.06380	.00470	-.00740
.599	-2.050	4.74000	.22500	.01170	.22330	.03020	7.39200	-.00570	.04380	.00280	-.00520
.599	-1.040	4.70000	.22380	.01230	.22210	.03060	7.24800	-.00690	.02460	.00110	-.00370
.599	.000	4.59000	.21680	.01310	.21500	.03040	7.08100	-.00610	.00360	-.00080	-.00160
.599	1.080	4.62000	.22030	.01260	.21860	.03030	7.20400	-.00610	-.01850	-.00310	.00080
.599	2.140	4.63000	.21960	.01210	.21790	.02980	7.31000	-.00500	-.03730	-.00500	.00210
.599	3.160	4.63000	.22140	.01100	.21970	.02880	7.63100	-.00720	-.05790	-.00660	.00450
.599	4.180	4.63000	.22110	.00990	.21950	.02770	7.92800	-.00800	-.07710	-.00820	.00590
.599	6.230	4.62000	.21890	.01190	.21720	.02960	7.35000	-.00380	-.11300	-.01070	.00690
.599	8.270	4.61000	.21990	.00820	.21850	.02590	8.44600	-.00480	-.14110	-.01170	.00540
	GRADIENT	-.01896	-.00108	.00008	-.00109	-.00008	-.01465	.00006	-.01948	-.00182	.00182

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E135) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	-.031
RDBF =	-1.846	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 135/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.060	4.78000	.24420	.00980	.24250	.03010	8.05900	-.01660	.12250	.01040	-.01370
.598	-4.060	4.76000	.23950	.01180	.23770	.03170	7.50700	-.01520	.08500	.00680	-.01000
.598	-3.050	4.76000	.23860	.01300	.23670	.03280	7.22200	-.01480	.06440	.00470	-.00780
.598	-2.050	4.74000	.23560	.01400	.23370	.03350	6.98300	-.01340	.04460	.00290	-.00570
.598	-1.040	4.71000	.23370	.01480	.23170	.03390	6.83200	-.01320	.02430	.00110	-.00370
.598	.000	4.59000	.22770	.01570	.22570	.03380	6.67700	-.01260	.00360	-.00080	-.00170
.598	1.100	4.62000	.22950	.01540	.22750	.03390	6.71800	-.01260	-.00310	-.00040	.00040
.598	2.140	4.63000	.23150	.01480	.22950	.03340	6.86500	-.01300	-.00840	-.00490	.00240
.598	3.140	4.64000	.23120	.01360	.22930	.03230	7.10800	-.01350	-.05870	-.00670	.00500
.598	4.150	4.64000	.23220	.01210	.23040	.03090	7.46500	-.01490	-.07980	-.00820	.00730
.598	6.220	4.63000	.23250	.00950	.23100	.02830	8.17200	-.01390	-.11910	-.01110	.00990
.598	8.260	4.62000	.22900	.00950	.22740	.02790	8.14100	-.00920	-.14470	-.01180	.00730
	GRADIENT	-.01856	-.00103	.00008	-.00103	-.00008	-.01361	.00010	-.01997	-.00184	.00206

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E136) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	-.029
RDBF =	.171	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 136/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.060	4.79000	.25180	.01170	.24990	.03270	7.64200	-.02220	.12410	.01040	-.01450
.598	-4.060	4.77000	.24720	.01370	.24520	.03420	7.16400	-.01980	.08510	.00680	-.01010
.598	-3.050	4.77000	.24550	.01480	.24340	.03520	6.92300	-.01910	.06390	.00460	-.00780
.598	-2.050	4.75000	.24400	.01590	.24180	.03610	6.69700	-.01830	.04380	.00280	-.00560
.598	-1.040	4.72000	.24060	.01680	.23840	.03650	6.52400	-.01780	.02380	.00110	-.00350
.598	.000	4.61000	.23550	.01750	.23340	.03640	6.41800	-.01700	.00280	-.00090	-.00150
.598	1.090	4.63000	.23770	.01730	.23550	.03650	6.45700	-.01700	-.01860	-.00310	.00050
.598	2.140	4.64000	.23860	.01670	.23650	.03590	6.58600	-.01750	-.03930	-.00510	.00270
.598	3.150	4.64000	.23820	.01560	.23610	.03480	6.79000	-.01840	-.05940	-.00680	.00500
.598	4.170	4.64000	.23950	.01410	.23760	.03340	7.11300	-.01990	-.08080	-.00840	.00740
.598	6.230	4.64000	.24120	.01140	.23950	.03090	7.76200	-.02040	-.12190	-.01130	.01150
.598	8.270	4.62000	.23820	.01010	.23660	.02930	8.07800	-.01760	-.15070	-.01210	.01030
	GRADIENT	-.01964	-.00107	.00010	-.00106	-.00008	-.01391	.00006	-.02002	-.00185	.00208

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E137) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.023
RDBF =	8.073	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 137/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.060	4.80000	.27230	.01760	.26980	.04030	6.69200	-.03420	.12590	.01070	-.01550
.598	-4.050	4.78000	.26860	.01950	.26600	.04180	6.35900	-.03210	.08700	.00700	-.01110
.598	-3.050	4.78000	.26550	.02050	.26280	.04260	6.17300	-.03120	.06610	.00480	-.00850
.598	-2.050	4.76000	.26310	.02150	.26040	.04320	6.02200	-.03010	.04490	.00300	-.00590
.598	-1.030	4.74000	.25990	.02230	.25720	.04370	5.89100	-.02950	.02390	.00100	-.00330
.598	.000	4.66000	.25400	.02290	.25130	.04350	5.77900	-.02860	.00170	-.00090	-.00080
.598	1.080	4.64000	.25540	.02290	.25270	.04350	5.80800	-.02810	-.02030	-.00310	.00160
.598	2.140	4.64000	.25690	.02240	.25430	.04310	5.89300	-.02830	-.04150	-.00510	.00400
.598	3.150	4.65000	.25870	.02170	.25610	.04260	6.01500	-.02960	-.06240	-.00700	.00650
.598	4.170	4.65000	.26010	.02060	.25760	.04160	6.19400	-.03220	-.08390	-.00860	.00890
.598	6.220	4.64000	.26350	.01820	.26120	.03950	6.61900	-.03470	-.12630	-.01150	.01320
.598	8.260	4.64000	.26750	.01800	.26510	.03960	6.69500	-.03710	-.15770	-.01230	.01340
	GRADIENT	-.02017	-.00114	.00017	-.00113	-.00002	-.02343	.00015	-.02075	-.00191	.00242

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E138) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	-.032
RDBF =	16.377	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.060	4.80000	.28840	.02570	.28530	.04970	5.73700	-.04310	.12560	.01090	-.01530
.598	-4.060	4.79000	.28260	.02740	.27940	.05080	5.49400	-.04000	.08650	.00700	-.01100
.598	-3.050	4.78000	.28130	.02840	.27800	.05180	5.37100	-.03870	.06610	.00490	-.00840
.598	-2.050	4.77000	.27980	.02920	.27640	.05240	5.27400	-.03760	.04510	.00300	-.00610
.598	-1.040	4.73000	.27670	.03000	.27330	.05270	5.18400	-.03690	.02520	.00120	-.00390
.598	.000	4.67000	.26950	.03040	.26620	.05230	5.09200	-.03620	.00340	-.00090	-.00170
.598	1.100	4.64000	.27240	.03040	.26910	.05240	5.13800	-.03610	-.01870	-.00320	.00040
.598	2.140	4.65000	.27320	.02990	.26990	.05190	5.19700	-.03690	-.03930	-.00520	.00270
.598	3.150	4.66000	.27590	.02920	.27260	.05150	5.29200	-.03890	-.06010	-.00700	.00510
.598	4.170	4.66000	.27920	.02830	.27590	.05090	5.42200	-.04190	-.08240	-.00860	.00780
.598	6.220	4.66000	.28280	.02590	.27970	.04870	5.74100	-.04410	-.12430	-.01180	.01220
.598	8.260	4.64000	.28690	.02550	.28390	.04860	5.83600	-.04810	-.15430	-.01240	.01190
	GRADIENT	-.01951	-.00076	.00012	-.00076	-.00003	-.01147	-.00010	-.02042	-.00192	.00222

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E139) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.047
RDBF =	21.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 139/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.060	4.81000	.30010	.03140	.29640	.05640	5.25600	-.05060	.12580	.01110	-.01500
.598	-4.060	4.79000	.29570	.03290	.29200	.05740	5.08300	-.04770	.08660	.00720	-.01060
.598	-3.050	4.79000	.29310	.03390	.28920	.05830	4.96200	-.04640	.06590	.00500	-.00830
.598	-2.040	4.78000	.29140	.03450	.28760	.05870	4.90200	-.04470	.04500	.00310	-.00590
.598	-1.030	4.75000	.28780	.03540	.28390	.05910	4.80600	-.04380	.02450	.00120	-.00380
.598	.000	4.66000	.28190	.03590	.27800	.05870	4.73900	-.04310	.00310	-.00090	-.00180
.598	1.050	4.68000	.28450	.03570	.28070	.05880	4.77400	-.04300	-.01810	-.00320	.00030
.598	2.140	4.63000	.28450	.03530	.28080	.05820	4.82700	-.04420	-.03840	-.00520	.00250
.598	3.140	4.62000	.28460	.03470	.28090	.05750	4.88800	-.04580	-.05950	-.00690	.00500
.598	4.160	4.61000	.28620	.03380	.28250	.05670	4.98100	-.04880	-.08070	-.00850	.00740
.598	6.220	4.61000	.29080	.03130	.28740	.05450	5.27000	-.05090	-.12340	-.01170	.01190
.598	8.260	4.60000	.29440	.03080	.29090	.05430	5.35400	-.05430	-.15360	-.01250	.01160
	GRADIENT	-.02586	-.00130	.00013	-.00128	-.00011	-.01290	.00002	-.02027	-.00193	.00215

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E140) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 140/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-10.400	9.63000	.46320	-.02110	.46020	.05670	8.11300	-.00040	.00230	-.00110	-.00170
.599	-6.100	9.66000	.46870	-.02010	.46540	.05880	7.91500	-.00270	.00250	-.00120	-.00180
.599	-4.000	9.66000	.47900	-.01790	.47530	.06280	7.57300	-.00960	.00210	-.00120	-.00150
.599	-2.140	9.67000	.48860	-.01520	.48420	.06710	7.21200	-.01530	.00200	-.00120	-.00150
.599	.280	9.67000	.49600	-.01280	.49110	.07080	6.93900	-.02000	.00130	-.00130	-.00130
.599	8.120	9.69000	.51340	-.00740	.50730	.07910	6.41400	-.02840	.00090	-.00110	-.00106
.599	16.360	9.70000	.52670	.00090	.51900	.08960	5.79100	-.03600	.00250	-.00100	-.00170
.599	21.200	9.70000	.54090	.00690	.53200	.09800	5.43100	-.04370	.00250	-.00100	-.00160
	GRADIENT	.00222	.00393	.00118	.00365	.00185	-.14640	-.00241	-.00019	-.00002	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E141) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.027
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 141/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-10.680	9.69000	.46310	-.02130	.46010	.05700	8.07600	-.00090	-.03440	-.00650	.00160
.598	-6.110	9.69000	.46870	-.02040	.46540	.05880	7.92000	-.00340	-.03510	-.00660	.00200
.598	-3.930	9.70000	.47900	-.01820	.47520	.06270	7.58100	-.00980	-.03690	-.00660	.00250
.598	-1.920	9.70000	.48820	-.01550	.48380	.06700	7.22200	-.01610	-.03740	-.00670	.00280
.598	.280	9.70000	.49370	-.01330	.48890	.07010	6.97500	-.01980	-.03780	-.00660	.00310
.598	8.010	9.71000	.51170	-.00700	.50560	.07940	6.37000	-.02920	-.04000	-.00690	.00380
.598	16.390	9.72000	.52650	.00100	.51880	.08990	5.76800	-.03820	-.03650	-.00680	.00240
.598	21.270	9.73000	.54010	.00710	.53110	.09820	5.40600	-.04590	-.03600	-.00690	.00220
	GRADIENT	.00000	.00348	.00116	.00324	.00175	-.14345	-.00236	-.00021	.00000	.00014

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E142) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.035
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 142/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-10.390	11.66000	.56900	-.03630	.56460	.07950	7.10400	.00040	.00180	-.00100	-.00160
.598	-6.180	11.66000	.57290	-.03530	.56820	.08130	6.99000	-.00260	.00250	-.00100	-.00170
.598	-3.980	11.67000	.58540	-.03290	.57990	.08610	6.73200	-.00950	.00140	-.00100	-.00140
.598	-2.060	11.68000	.59510	-.03010	.58880	.09100	6.47300	-.01520	.00090	-.00110	-.00110
.598	.110	11.68000	.60120	-.03070	.59490	.09170	6.49000	-.01940	.00040	-.00110	-.00100
.598	7.850	11.69000	.61450	-.02220	.60620	.10270	5.90400	-.02680	.00040	-.00120	-.00090
.598	16.400	11.70000	.63180	-.01330	.62140	.11510	5.40000	-.03480	.00110	-.00120	-.00120
.598	21.140	11.70000	.64410	-.00700	.63210	.12380	5.10600	-.04210	.00130	-.00100	-.00120
	GRADIENT	.00239	.00384	.00052	.00365	.00135	-.05772	-.00241	-.00024	-.00002	.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E143) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.003 RDA = -.035
ALPHA = 12.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 143/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-10.490	11.65000	.56660	-.03620	.56230	.07900	7.12100	-.00140	-.03670	-.00720	.00240
.598	-6.170	11.66000	.56960	-.03500	.56500	.08080	6.99300	-.00350	-.03650	-.00720	.00250
.598	-3.960	11.66000	.58330	-.03300	.57800	.08560	6.74900	-.01010	-.03720	-.00710	.00270
.598	-1.920	11.67000	.59490	-.03020	.58870	.09070	6.48700	-.01630	-.03770	-.00720	.00300
.598	.170	11.67000	.59720	-.02820	.59050	.09310	6.34000	-.01940	-.03860	-.00720	.00340
.598	7.840	11.68000	.61120	-.02190	.60290	.10230	5.89400	-.02770	-.03980	-.00730	.00360
.598	16.400	11.69000	.63000	-.01290	.61960	.11500	5.38900	-.03670	-.03760	-.00730	.00270
.598	21.100	11.70000	.64530	-.00670	.63330	.12430	5.09500	-.04450	-.03680	-.00720	.00250
	GRADIENT	.00241	.00336	.00116	.00302	.00181	-.09891	-.00225	-.00034	-.00002	.00017

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E144) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.126 RDA = .014
RDBF = -10.359 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 144/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-2.290	.09000	-.12540	.01930	-.12460	.02430	-5.12200	.00160	-.00200	.00000	.00060
.699	-.270	.09000	-.02750	.02140	-.02740	.02150	-1.27000	.00160	-.00160	.00000	.00060
.699	1.750	.10000	.06890	.01980	.06830	.02190	3.11400	.00170	-.00110	-.00010	.00030
.699	3.780	.10000	.16680	.01490	.16550	.02590	6.39900	.00380	-.00030	-.00030	.00000
.699	5.810	.08000	.26850	.00650	.26650	.03360	7.92300	.00360	.00050	-.00040	-.00020
.699	7.790	.11000	.37790	-.00510	.37510	.04620	8.12200	.00100	-.00090	-.00040	.00020
.699	9.810	.12000	.49060	-.01760	.48640	.06620	7.34800	-.00150	.00170	-.00030	-.00090
.699	10.820	.14000	.54430	-.01990	.53830	.08260	6.51700	-.00390	.00150	-.00060	-.00140
.699	11.820	.14000	.59010	-.01940	.58160	.10190	5.70700	-.00420	.00140	-.00050	-.00140
.699	12.820	.15000	.63610	-.01870	.62440	.12290	5.08200	-.00530	.00130	-.00040	-.00130
.699	13.810	.15000	.68050	-.01650	.66480	.14640	4.54100	-.00750	.00110	.00000	-.00120
.699	14.800	.16000	.73000	-.01380	.70930	.17310	4.09600	-.01230	.00130	.00000	-.00130
.699	15.760	.17000	.79720	-.01150	.77040	.20550	3.74800	-.02630	.00260	-.00050	-.00190
.699	19.700	.20000	1.06440	-.01700	1.00790	.34270	2.94100	-.04600	-.00340	.00290	-.00080
	GRADIENT	.00198	.04810	-.00073	.04775	.00026	1.92510	.00033	.00028	-.00005	-.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E145) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.029
RDBF =	-10.289	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 145/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-2.290	2.15000	-.12530	.01870	-.12440	.02370	-5.24700	-.00060	-.03920	-.00200	.00300
.699	-.280	2.14000	-.02780	.02070	-.02770	.02080	-1.33000	-.00070	-.03270	-.00260	.00100
.699	1.740	2.14000	.06640	.01960	.06570	.02160	3.04900	.00210	-.03430	-.00340	.00070
.699	3.730	2.13000	.16040	.01520	.15910	.02560	6.21900	.00550	-.03520	-.00380	.00130
.699	5.760	2.11000	.26390	.00630	.26200	.03270	8.00300	.00350	-.03810	-.00450	.00260
.699	7.720	2.08000	.37360	-.00420	.37080	.04610	8.04400	.00030	-.03270	-.00540	-.00020
.699	9.730	2.09000	.48510	-.01620	.48090	.06600	7.28600	-.00440	-.03780	-.00630	.00290
.699	10.730	2.10000	.54220	-.02100	.53670	.08030	6.68300	-.00690	-.03920	-.00510	.00340
.699	11.700	2.11000	.58790	-.02040	.57990	.09930	5.84200	-.00770	-.03900	-.00570	.00310
.699	12.720	2.10000	.63510	-.01900	.62370	.12130	5.14100	-.00820	-.03920	-.00590	.00310
.699	13.720	2.11000	.68330	-.01770	.66800	.14480	4.61300	-.01170	-.03810	-.00640	.00260
.699	14.710	2.13000	.73180	-.01500	.71160	.17130	4.15500	-.01600	-.03800	-.00600	.00200
.699	15.680	2.14000	.78620	-.01300	.76040	.20000	3.80300	-.02480	-.03830	-.00430	.00150
.699	19.590	2.22000	1.03560	-.01460	.98050	.33340	2.94100	-.04490	-.04740	-.00320	.00240
	GRADIENT	-.00299	.04738	-.00058	.04701	.00032	1.93146	.00105	.00052	-.00031	-.00027

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E146) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.006
RDBF =	-10.287	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 146/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-6.070	-.22000	-.01830	.01860	-.01820	.01870	-.97500	-.00100	.11360	.00620	-.00920
.699	-4.050	-.25000	-.01970	.01990	-.01960	.01990	-.98100	-.00220	.07630	.00430	-.00580
.699	-3.020	-.26000	-.02140	.02060	-.02130	.02070	-1.03000	-.00200	.05600	.00300	-.00370
.699	-1.990	-.26000	-.02250	.02110	-.02240	.02120	-1.05900	-.00100	.03730	.00180	-.00240
.699	-.960	-.26000	-.02360	.02120	-.02350	.02130	-1.10400	.00010	.01850	.00080	-.00110
.699	.070	-.27000	-.02620	.02150	-.02610	.02160	-1.20900	.00040	-.00100	-.00030	.00050
.699	1.110	-.24000	-.02580	.02130	-.02570	.02140	-1.20100	.00120	-.01980	-.00150	.00150
.699	2.140	-.23000	-.02620	.02080	-.02610	.02090	-1.24600	.00030	-.03410	-.00240	.00090
.699	3.170	-.23000	-.02650	.02030	-.02640	.02040	-1.29400	-.00070	-.05150	-.00340	.00110
.699	4.190	-.23000	-.02530	.01950	-.02530	.01960	-1.29000	-.00250	-.07200	-.00430	.00300
.699	6.230	-.21000	-.02280	.01760	-.02270	.01773	-1.28000	-.00320	-.11150	-.00550	.00640
.699	8.270	-.20000	-.01990	.01680	-.01980	.01690	-1.17500	-.00410	-.13980	-.00360	.00460
	GRADIENT	.00404	-.00076	-.00005	-.00077	-.00004	-.04040	.00010	-.01773	-.00104	.00095

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E147) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.020
RDBF =	-10.292	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 147/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-5.990	9.69000	.48950	-.01830	.48560	.06430	7.54800	-.00340	.11200	.01480	-.01100
.699	-3.990	9.71000	.49220	-.01790	.48810	.06530	7.47300	-.00450	.07980	.01010	-.00910
.699	-2.990	9.70000	.49250	-.01770	.48840	.06560	7.45000	-.00570	.05910	.00730	-.00670
.699	-1.980	9.69000	.48960	-.01730	.48550	.06530	7.43100	-.00450	.04030	.00470	-.00510
.699	-.970	9.69000	.48690	-.01700	.48280	.06520	7.40100	-.00310	.02130	.00210	-.00320
.699	.030	9.71000	.48450	-.01700	.48040	.06490	7.40000	-.00220	.00070	-.00070	-.00080
.699	1.040	9.69000	.48160	-.01700	.47760	.06430	7.42500	-.00170	-.01880	-.00340	.00130
.699	2.070	9.73000	.48510	-.01720	.48100	.06500	7.40000	-.00390	-.03760	-.00600	.00290
.699	3.100	9.74000	.48670	-.01760	.48260	.06500	7.42800	-.00650	-.05740	-.00850	.00480
.699	4.140	9.74000	.48460	-.01760	.48060	.06470	7.43100	-.00570	-.07810	-.01100	.00720
.699	6.210	9.74000	.48730	-.01810	.48330	.06460	7.48300	-.00590	-.11410	-.01520	.00850
.699	8.260	9.73000	.48530	-.01790	.48130	.06440	7.47800	-.00640	-.14530	-.01790	.00850
	GRADIENT	.00528	-.00102	.00003	-.00101	-.00009	-.00443	-.00008	-.01933	-.00261	.00197

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E148) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.007
RDBF =	-10.677	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 148/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.700	-6.030	11.64000	.59380	-.02040	.58570	.09980	5.86900	-.01020	.11390	.01530	-.01080
.700	-4.020	11.68000	.59530	-.01940	.58690	.10150	5.78200	-.01110	.07940	.01000	-.00850
.700	-3.010	11.68000	.59470	-.01910	.58620	.10170	5.76400	-.01040	.06050	.00730	-.00680
.700	-1.990	11.67000	.59050	-.01950	.58230	.10040	5.80200	-.00790	.04150	.00430	-.00540
.700	-.970	11.68000	.58900	-.01930	.58070	.10030	5.79200	-.00660	.02230	.00150	-.00370
.700	.050	11.69000	.58770	-.01980	.57950	.09970	5.81400	-.00580	.00260	-.00120	-.00160
.700	1.060	11.67000	.58630	-.01990	.57820	.09910	5.83200	-.00670	-.01790	-.00370	.00090
.700	2.090	11.69000	.58970	-.01990	.58150	.09990	5.81800	-.00890	-.03780	-.00620	.00280
.700	3.110	11.68000	.59010	-.01990	.58190	.10000	5.82100	-.01180	-.05710	-.00880	.00450
.700	4.150	11.69000	.59140	-.01950	.58310	.10070	5.79100	-.01310	-.07610	-.01190	.00600
.700	6.220	11.70000	.59450	-.02100	.58640	.10000	5.86500	-.01410	-.11410	-.01660	.00780
.700	8.280	11.68000	.59130	-.01960	.58300	.10050	5.80300	-.01460	-.14330	-.01760	.00700
	GRADIENT	.00115	-.00055	-.00007	-.00052	-.00017	.00454	-.00024	-.01917	-.00265	.00184

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E149) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.022	RDA =	.011
RDBF =	-10.687	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 149/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.700	-6.090	4.81000	.22390	.00850	.22240	.02720	8.16300	.00050	.11570	.01010	-.01020
.700	-4.070	4.79000	.22220	.00960	.22060	.02810	7.84300	.00100	.07980	.00670	-.00760
.700	-3.060	4.78000	.21650	.00990	.21490	.02790	7.70300	.00320	.05980	.00580	-.00590
.700	-2.060	4.77000	.21600	.01100	.21440	.02890	7.41300	.00450	.04150	.00320	-.00420
.700	-1.040	4.73000	.21360	.01160	.21190	.02920	7.25200	.00360	.01950	.00130	-.00140
.700	.000	4.63000	.20960	.01190	.20790	.02870	7.23500	.00320	-.00030	-.00060	.00000
.700	1.100	4.65000	.21330	.01110	.21160	.02840	7.45300	.00220	-.01960	-.00270	.00110
.700	2.150	4.67000	.21130	.01150	.20960	.02860	7.32100	.00540	-.03730	-.00460	.00160
.700	3.170	4.67000	.21440	.01020	.21290	.02760	7.71400	.00050	-.05720	-.00630	.00400
.700	4.200	4.67000	.21570	.00990	.21410	.02750	7.79700	.00030	-.07560	-.00780	.00490
.700	6.260	4.67000	.21640	.00880	.21500	.02640	8.13700	.00090	-.11390	-.01040	.00690
.700	8.310	4.65000	.21610	.00970	.21460	.02720	7.88500	-.00010	-.13880	-.01020	.00380
	GRADIENT	-.01744	-.00067	.00004	-.00067	-.00008	-.00156	-.00017	-.01876	-.00183	.00150

ARC 213-1-11 LA89 CV 101 WITH T/C (R2E150) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.013
RDBF =	-5.997	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 150/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-6.090	4.83000	.22860	.00960	.22700	.02890	7.86300	-.00010	.11660	.01050	-.01050
.699	-4.070	4.81000	.22600	.01060	.22440	.02960	7.59100	.00060	.08050	.00720	-.00770
.699	-3.060	4.81000	.22560	.01080	.22390	.02970	7.53600	.00000	.06130	.00510	-.00640
.699	-2.060	4.79000	.22180	.01190	.22010	.03040	7.23100	.00320	.04230	.00310	-.00460
.699	-1.040	4.76000	.21940	.01260	.21760	.03070	7.07700	.00200	.01930	.00130	-.00140
.699	.000	4.64000	.21570	.01300	.21390	.03040	7.04700	.00190	.00010	-.00070	-.00010
.699	1.100	4.66000	.21800	.01240	.21630	.03010	7.18100	.00110	-.01880	-.00280	.00090
.699	2.150	4.68000	.21720	.01010	.21560	.02780	7.76500	.00310	-.03780	-.00470	.00170
.699	3.170	4.68000	.21980	.01120	.21820	.02910	7.49800	-.00090	-.05780	-.00630	.00380
.699	4.200	4.68000	.21890	.01110	.21730	.02900	7.50400	-.00090	-.07580	-.00780	.00470
.699	6.260	4.67000	.22120	.00990	.21960	.02790	7.87200	-.00080	-.11490	-.01050	.00740
.699	8.310	4.66000	.22080	.01090	.21920	.02880	7.60500	-.00160	-.13900	-.01040	.00400
	GRADIENT	-.01970	-.00090	-.00001	-.00089	-.00016	.01219	-.00016	-.01894	-.00183	.00152

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E151) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	.009
RDBF =	-3.902	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 151/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.700	-6.080	4.84000	.23570	.01060	.23400	.03040	7.69800	-.00490	.11740	.01070	-.01090
.700	-4.070	4.82000	.23820	.01150	.23640	.03140	7.52500	-.00870	.08300	.00730	-.00910
.700	-3.060	4.81000	.23790	.01240	.23600	.03230	7.29700	-.00970	.06440	.00520	-.00780
.700	-2.050	4.80000	.23480	.01340	.23280	.03300	7.05000	-.00660	.04330	.00330	-.00530
.700	-1.040	4.76000	.23480	.01390	.23280	.03330	6.99000	-.00840	.02410	.00140	-.00370
.700	.000	4.64000	.22870	.01480	.22670	.03330	6.81200	-.00860	.00140	-.00060	-.00080
.700	1.100	4.67000	.23060	.01440	.22870	.03310	6.90800	-.00790	-.02050	-.00280	.00150
.700	2.140	4.68000	.22880	.01390	.22690	.03250	6.98100	-.00600	-.03940	-.00470	.00290
.700	3.160	4.68000	.23150	.01280	.22970	.03160	7.26100	-.00950	-.06160	-.00650	.00590
.700	4.190	4.68000	.23130	.01170	.22960	.03060	7.51400	-.00970	-.08070	-.00810	.00720
.700	6.260	4.68000	.22710	.01100	.22540	.02940	7.65900	-.00480	-.11650	-.01060	.00800
.700	8.310	4.66000	.22600	.01190	.22430	.03030	7.41400	-.00430	-.14140	-.01040	.00480
	GRADIENT	-.02053	-.00101	.00005	-.00099	-.00011	-.00552	-.00003	-.01997	-.00188	.00206

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E152) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.020
RDBF =	-2.130	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 152/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-6.080	4.84000	.25150	.01210	.24960	.03320	7.51300	-.01810	.12400	.01090	-.01410
.699	-4.060	4.82000	.24790	.01360	.24590	.03440	7.15200	-.01640	.08620	.00750	-.01060
.699	-3.060	4.81000	.24660	.01460	.24450	.03520	6.94100	-.01580	.06520	.00530	-.00810
.699	-2.060	4.80000	.24510	.01560	.24300	.03600	6.74700	-.01480	.04470	.00340	-.00560
.699	-1.040	4.77000	.24290	.01630	.24070	.03650	6.60000	-.01480	.02360	.00150	-.00360
.699	.000	4.65000	.23740	.01710	.23520	.03630	6.48200	-.01440	.00220	-.00060	-.00140
.699	1.100	4.67000	.23790	.01680	.23580	.03610	6.53000	-.01400	-.01960	-.00280	.00080
.699	2.150	4.68000	.23840	.01600	.23630	.03540	6.67300	-.01410	-.04000	-.00470	.00290
.699	3.160	4.68000	.23920	.01500	.23720	.03440	6.88700	-.01520	-.06190	-.00660	.00580
.699	4.190	4.69000	.23970	.01360	.23780	.03320	7.16900	-.01640	-.08340	-.00830	.00850
.699	6.250	4.66000	.23950	.01160	.23770	.03100	7.66800	-.01540	-.12240	-.01080	.01080
.699	8.310	4.65000	.23300	.01320	.23120	.03200	7.22800	-.00910	-.14360	-.01040	.00600
	GRADIENT	-.02007	-.00118	.00004	-.00116	-.00014	-.00452	.00006	-.02045	-.00192	.00224

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E153) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6600 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.014	RDA =	.022
RDBF =	.196	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 153/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.701	-6.080	4.80000	.25970	.01440	.25750	.03610	7.14300	-.02500	.12570	.01090	-.01510
.701	-4.060	4.78000	.25440	.01580	.25220	.03690	6.82800	-.02220	.08600	.00760	-.01060
.701	-3.060	4.78000	.25380	.01690	.25150	.03790	6.62900	-.02150	.06520	.00540	-.00820
.701	-2.050	4.76000	.25060	.01780	.24830	.03850	6.44700	-.02030	.04430	.00330	-.00570
.701	-1.040	4.73000	.24840	.01860	.24600	.03900	6.30600	-.02010	.02320	.00150	-.00350
.701	.000	4.61000	.24330	.01940	.24100	.03890	6.19500	-.01940	.00240	-.00060	-.00140
.701	1.100	4.63000	.24410	.01920	.24180	.03880	6.23000	-.01940	-.01950	-.00270	.00080
.701	2.140	4.65000	.24560	.01840	.24330	.03830	6.36000	-.02010	-.04070	-.00470	.00320
.701	3.160	4.65000	.24740	.01740	.24520	.03740	6.54800	-.02120	-.06250	-.00660	.00580
.701	4.190	4.65000	.24750	.01610	.24540	.03610	6.80400	-.02290	-.08340	-.00830	.00830
.701	6.250	4.64000	.25160	.01400	.24960	.03430	7.27000	-.02420	-.12570	-.01090	.01230
.701	8.290	4.63000	.24480	.01380	.24290	.03350	7.24100	-.02000	-.15120	-.01060	.00980
	GRADIENT	-.01975	-.00098	.00007	-.00096	-.00009	-.00901	-.00001	-.02048	-.00193	.00225

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E154) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	.004
RDBF =	8.007	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 154/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-6.080	4.81000	.27990	.02030	.27720	.04370	6.34300	-.03820	.12800	.01120	-.01600
.698	-4.060	4.79000	.27570	.02180	.27290	.04480	6.09500	-.03560	.08800	.00770	-.01160
.698	-3.060	4.78000	.27350	.02270	.27060	.04540	5.96300	-.03460	.06650	.00540	-.00870
.698	-2.050	4.77000	.27080	.02340	.26790	.04580	5.85000	-.03340	.04480	.00340	-.00590
.698	-1.040	4.73000	.26760	.02420	.26470	.04620	5.72400	-.03280	.02310	.00150	-.00330
.698	.000	4.62000	.26150	.02480	.25870	.04580	5.64300	-.03200	.00090	-.00050	-.00070
.698	1.100	4.64000	.26400	.02480	.26110	.04610	5.66800	-.03170	-.02170	-.00280	.00190
.698	2.140	4.65300	.26560	.02420	.26280	.04570	5.75100	-.03210	-.04290	-.00490	.00450
.698	3.160	4.66000	.26560	.02350	.26280	.04500	5.84100	-.03370	-.06500	-.00670	.00720
.698	4.180	4.66000	.26930	.02240	.26660	.04420	6.03200	-.03600	-.08680	-.00840	.00990
.698	6.240	4.65000	.27160	.02070	.26910	.04270	6.30200	-.03850	-.12940	-.01110	.01410
.698	8.270	4.63000	.27360	.02160	.27100	.04360	6.21300	-.04030	-.15620	-.01080	.01210
	GRADIENT	-.01944	-.00101	.00011	-.00100	-.00006	-.01376	.00008	-.02114	-.00196	.00257

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E155) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.040	RDA =	.006
RDBF =	16.372	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 155/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-6.080	4.76000	.29530	.02880	.29190	.05320	5.48400	-.04850	.12730	.01130	-.01570
.698	-4.070	4.73000	.28990	.03030	.28640	.05410	5.29500	-.04550	.08720	.00760	-.01130
.698	-3.060	4.73000	.28690	.03100	.28340	.05450	5.19600	-.04360	.06590	.00540	-.00870
.698	-2.050	4.71000	.28420	.03190	.28070	.05520	5.08700	-.04210	.04510	.00350	-.00610
.698	-1.040	4.68000	.28130	.03270	.27770	.05550	5.00000	-.04170	.02420	.00160	-.00380
.698	.000	4.57000	.27560	.03320	.27210	.05510	4.94000	-.04110	.00270	-.00050	-.00150
.698	1.110	4.60000	.27740	.03280	.27390	.05490	4.98600	-.04080	-.01950	-.00270	.00070
.698	2.140	4.60000	.28040	.03240	.27690	.05470	5.05800	-.04180	-.04080	-.00480	.00310
.698	3.150	4.60000	.28110	.03180	.27760	.05420	5.11900	-.04370	-.06210	-.00660	.00580
.698	4.180	4.60000	.28370	.03080	.28030	.05340	5.24500	-.04650	-.08420	-.00820	.00860
.698	6.240	4.60000	.28840	.02830	.28520	.05190	5.49600	-.04930	-.12640	-.01110	.01280
.698	8.290	4.58000	.29020	.02950	.28690	.05260	5.45200	-.05230	-.15260	-.01070	.01050
	GRADIENT	-.01945	-.00086	.00009	-.00085	-.00009	-.00789	-.00005	-.02067	-.00193	.00235

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E156) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.045	RDA =	-.003
RDBF =	21.096	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 156/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.701	-6.080	4.76000	.30580	.03450	.30190	.05980	5.04900	-.05590	.12610	.01140	-.01530
.701	-4.070	4.74000	.30290	.03580	.29890	.06060	4.92800	-.05320	.08750	.00770	-.01110
.701	-3.060	4.73000	.29980	.03670	.29580	.06130	4.82500	-.05160	.06590	.00550	-.00850
.701	-2.050	4.72000	.29680	.03750	.29270	.06170	4.74100	-.04990	.04460	.00350	-.00600
.701	-1.040	4.68000	.29410	.03820	.29000	.06210	4.67000	-.04920	.02420	.00160	-.00370
.701	.000	4.58000	.28790	.03880	.28390	.06170	4.60200	-.04870	.00240	-.00050	-.00150
.701	1.090	4.62000	.29150	.03830	.28740	.06170	4.66100	-.04840	-.01950	-.00280	.00060
.701	2.140	4.60000	.29160	.03790	.28770	.06120	4.70300	-.04950	-.03980	-.00480	.00290
.701	3.160	4.60000	.29250	.03700	.28860	.06040	4.77800	-.05160	-.06140	-.00670	.00550
.701	4.190	4.60000	.29500	.03610	.29120	.05960	4.88400	-.05390	-.08310	-.00840	.00820
.701	6.240	4.60000	.29890	.03400	.29520	.05780	5.10500	-.05610	-.12540	-.01110	.01220
.701	8.290	4.58000	.30130	.03500	.29750	.05890	5.04900	-.05900	-.15240	-.01090	.01030
	GRADIENT	-.02006	-.00106	.00005	-.00104	-.00013	-.00623	-.00002	-.02052	-.00196	.00227

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E157) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.034	RDA =	.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 157/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-10.340	9.61000	.47910	-.01650	.47520	.06380	7.44800	-.00230	.00040	-.00070	-.00060
.699	-6.030	9.62000	.48580	-.01530	.48150	.06610	7.28600	-.00440	.00100	-.00070	-.00100
.699	-3.970	9.63000	.49780	-.01270	.49290	.07070	6.96900	-.01350	.00060	-.00070	-.00100
.699	-1.920	9.63000	.50640	-.00960	.50080	.07520	6.66000	-.02020	.00110	-.00070	-.00110
.699	.190	9.64000	.51340	-.01230	.50820	.07390	6.88200	-.02470	.00090	-.00060	-.00110
.699	7.980	9.65000	.53230	-.00160	.52510	.08760	5.99200	-.03530	.00010	-.00070	-.00060
.699	16.410	9.66000	.54870	.00720	.53970	.09920	5.44100	-.04390	.00110	-.00060	-.00120
.699	21.160	9.66000	.56050	.01330	.55030	.10720	5.13200	-.05150	.00100	-.00060	-.00110
	GRADIENT	.00242	.00375	.00009	.00368	.00076	-.02030	-.00269	.00007	.00002	-.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E158) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.031 RDA = .021
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 158/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-10.480	9.67000	.47910	-.01700	.47520	.06370	7.46300	-.00340	-.03750	-.00600	.00280
.699	-6.020	9.67000	.48630	-.01570	.48200	.06630	7.27400	-.00580	-.03830	-.00610	.00300
.699	-3.840	9.68000	.49840	-.01290	.49340	.07110	6.94000	-.01510	-.03900	-.00600	.00340
.699	-1.910	9.69000	.50840	-.00980	.50290	.07580	6.63000	-.02160	-.03930	-.00610	.00350
.699	.180	9.69000	.51540	-.00800	.50940	.07880	6.46200	-.02540	-.04040	-.00610	.00390
.699	8.200	9.70000	.53240	-.00140	.52500	.08830	5.94700	-.03600	-.04170	-.00610	.00440
.699	16.460	9.71000	.55080	.00770	.54160	.10050	5.38800	-.04610	-.03870	-.00590	.00310
.699	21.120	9.72000	.56290	.01380	.55250	.10860	5.08500	-.05410	-.03860	-.00590	.00290
	GRADIENT	.00245	.00422	.00121	.00397	.00191	-.11837	-.00255	-.00035	-.00002	.00013

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E159) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.042 RDA = .065
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 159/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.700	-10.530	11.67000	.58470	-.01980	.57660	.09890	5.83000	-.00510	.00110	-.00100	-.00140
.700	-6.030	11.68000	.59280	-.01810	.58420	.10230	5.71200	-.00850	.00120	-.00090	-.00150
.700	-4.130	11.68000	.60220	-.01570	.59290	.10660	5.56500	-.01690	.00150	-.00090	-.00130
.700	-2.200	11.68000	.61210	-.01270	.60200	.11150	5.39900	-.02350	.00130	-.00100	-.00130
.700	.250	11.68000	.61860	-.01010	.60780	.11540	5.26600	-.02860	.00110	-.00090	-.00120
.700	7.880	11.69000	.63430	-.00360	.62190	.12510	4.97300	-.03760	.00030	-.00100	-.00100
.700	16.440	11.70000	.65170	.00590	.63700	.13800	4.61700	-.04660	.00130	-.00090	-.00150
.700	21.120	11.71000	.66330	.01310	.64680	.14750	4.38600	-.05490	.00160	-.00090	-.00160
	GRADIENT	-.00000	.00370	.00127	.00336	.00199	-.06765	-.00265	-.00009	.00000	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E160) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.024 RDA = .057
ALPHA = 12.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 160/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-10.190	11.67000	.58620	-.01990	.57810	.09910	5.83300	-.00830	-.03820	-.00590	.00290
.699	-5.960	11.68000	.59170	-.01840	.58310	.10180	5.73000	-.01090	-.03860	-.00600	.00290
.699	-4.170	11.68000	.60090	-.01650	.59180	.10550	5.61000	-.01840	-.03840	-.00590	.00300
.699	-2.210	11.68000	.61060	-.01360	.60070	.11030	5.44700	-.02520	-.03910	-.00590	.00320
.699	.170	11.69000	.61830	-.01070	.60770	.11480	5.29200	-.02950	-.04010	-.00590	.00360
.699	8.170	11.70000	.63700	-.00380	.62460	.12540	4.97900	-.03980	-.04070	-.00610	.00370
.699	16.080	11.71000	.65270	.00560	.63800	.13790	4.62500	-.04940	-.03790	-.00600	.00250
.699	21.160	11.71000	.66550	.01260	.64910	.14750	4.40200	-.05820	-.03740	-.00590	.00220
	GRADIENT	.00237	.00398	.00133	.00364	.00213	-.07298	-.00253	-.00039	-.00000	.00014

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E161) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.033 RDA = .069
RDBF = -10.470 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 161/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-2.370	.01000	-.12610	.01780	-.12520	.02300	-5.44000	-.00130	-.00020	-.00010	-.00020
.649	-.350	.02000	-.02980	.01990	-.02970	.02010	-1.47400	-.00130	-.00060	-.00020	-.00010
.649	1.650	.03000	.06400	.01860	.06340	.02050	3.09700	-.00030	-.00030	-.00030	-.00040
.649	3.640	.03000	.15930	.01390	.15810	.02400	6.59300	.00140	.00130	-.00050	-.00110
.649	5.620	.03000	.25620	.00580	.25440	.03090	8.23500	.00150	.00120	-.00060	-.00120
.649	7.650	.04000	.36290	-.00590	.36040	.04250	8.49000	.00040	.00060	-.00060	-.00110
.649	9.660	.04000	.47180	-.02340	.46900	.05610	8.35400	-.00160	.00200	-.00050	-.00170
.649	10.670	.05000	.52650	-.02760	.52250	.07040	7.42800	-.00140	.00170	-.00060	-.00160
.649	11.700	.06000	.58710	-.03340	.58170	.08630	6.73600	-.00380	.00150	-.00070	-.00140
.649	12.680	.05000	.63460	-.03000	.62570	.11000	5.68700	-.00560	.00150	-.00030	-.00150
.649	13.700	.07000	.67990	-.02820	.66730	.13360	4.99500	-.00710	.00110	-.00040	-.00150
.649	14.690	.06000	.72710	-.02530	.70970	.16000	4.43600	-.01040	.00110	.00000	-.00150
.649	15.700	.06000	.77970	-.02260	.75670	.18920	3.99900	-.01560	.00040	.00060	-.00120
.649	19.620	.12000	1.05490	-.02640	1.00250	.32930	3.04400	-.04570	-.00300	.00420	-.00060
	GRADIENT	.00350	.04743	-.00065	.04708	.00017	2.03056	.00045	.00024	-.00006	-.00015

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E162) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.056	RDA =	.064
RDBF =	-10.478	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 162/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.410	2.09000	-.12790	.01700	-.12710	.02230	-5.69600	-.00270	-.03790	-.00190	.00220
.648	-.400	2.09000	-.03110	.01920	-.03100	.01940	-1.59200	-.00290	-.03750	-.00260	.00210
.648	1.620	2.11000	.06270	.01830	.06220	.02000	3.10300	-.00040	-.03630	-.00330	.00120
.648	3.630	2.15000	.15690	.01390	.15570	.02380	6.53700	.00340	-.03720	-.00410	.00120
.648	5.670	2.20000	.26100	.00500	.25920	.03080	8.41500	.00270	-.03810	-.00490	.00190
.648	7.740	2.21000	.36700	-.00620	.36450	.04330	8.42200	.00220	-.03350	-.00510	.00010
.648	9.760	2.21000	.47740	-.02140	.47410	.05980	7.92800	-.00230	-.03800	-.00630	.00230
.648	10.770	2.21000	.53240	-.02850	.52830	.07150	7.38700	-.00260	-.03860	-.00660	.00280
.648	11.790	2.22000	.59440	-.03390	.58880	.08830	6.66800	-.00590	-.03870	-.00630	.00280
.648	12.780	2.22000	.64200	-.03130	.63300	.11140	5.68200	-.00780	-.03890	-.00620	.00260
.648	13.790	2.22000	.68660	-.02860	.67360	.13590	4.95700	-.00920	-.03920	-.00630	.00270
.648	14.780	2.24000	.73610	-.02730	.71870	.16130	4.45500	-.01190	-.03980	-.00510	.00270
.648	15.770	2.25000	.78590	-.02440	.76300	.19010	4.01500	-.01650	-.03950	-.00420	.00260
.648	19.670	2.26000	1.05050	-.02520	.99770	.33000	3.02400	-.04500	-.04590	-.00360	.00380
	GRADIENT	.00993	.04708	-.00051	.04675	.00025	2.05540	.00103	.00016	-.00036	-.00019

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E163) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.011	RDA =	-.009
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 163/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.649	-6.070	4.80000	.21800	.00720	.21660	.02540	8.53900	.00130	.11350	.01020	-.00980
.649	-4.060	4.78000	.21680	.00830	.21530	.02630	8.18100	.00160	.07840	.00700	-.00740
.649	-3.060	4.77000	.21690	.00850	.21550	.02650	8.13600	.00010	.06060	.00480	-.00620
.649	-2.050	4.76000	.21260	.00950	.21100	.02720	7.77300	.00350	.04130	.00300	-.00450
.649	-1.040	4.72000	.20990	.01060	.20830	.02780	7.49200	.00330	.01910	.00130	-.00160
.649	.000	4.60000	.20490	.01050	.20340	.02690	7.55100	.00200	.00160	-.00070	-.00110
.649	1.110	4.62000	.20880	.01020	.20730	.02700	7.67500	.00130	-.01890	-.00280	.00060
.649	2.150	4.64000	.20670	.01020	.20520	.02690	7.63100	.00420	-.03650	-.00450	.00140
.649	3.170	4.64000	.21110	.00880	.20970	.02580	8.11800	-.00060	-.05760	-.00640	.00370
.649	4.190	4.64000	.21020	.00860	.20880	.02560	8.16500	-.00030	-.07480	-.00780	.00410
.649	6.250	4.64000	.21230	.00730	.21100	.02453	8.61800	.00050	-.11270	-.01040	.00630
.649	8.290	4.62000	.21330	.00760	.21200	.02470	8.56700	-.00100	-.13850	-.01100	.00410
	GRADIENT	-.02069	-.00090	.00005	-.00089	-.00010	-.00291	-.00017	-.01865	-.00180	.00144

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E164) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.064
RDBF =	-10.502	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 164/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.497	-2.360	.00000	-.11740	.01640	-.11660	.02120	-5.49300	-.00460	.00240	-.00020	-.00150
.497	-.370	.01000	-.02480	.01870	-.02470	.01880	-1.31100	-.00340	.00150	-.00030	-.00130
.497	1.650	.02000	.06580	.01740	.06530	.01930	3.38900	-.00180	.00240	-.00040	-.00140
.497	3.600	.02000	.15470	.01270	.15360	.02240	6.85100	.00130	.00240	-.00050	-.00160
.497	5.630	.03000	.25010	.00430	.24840	.02880	8.62700	.00200	.00230	-.00070	-.00160
.497	7.640	.05000	.34870	-.00750	.34660	.03890	8.90400	.00100	.00210	-.00080	-.00170
.497	9.680	.05000	.45280	-.02230	.45010	.05420	8.30900	.00070	.00180	-.00080	-.00170
.497	10.690	.06000	.50310	-.03000	.49990	.06380	7.83900	.00130	.00160	-.00080	-.00170
.497	11.690	.06000	.55350	-.03780	.54970	.07520	7.31400	.00190	.00180	-.00080	-.00170
.497	12.660	.06000	.60530	-.04510	.60050	.08860	6.77700	.00080	.00170	-.00060	-.00160
.497	13.710	.07000	.66420	-.05290	.65780	.10600	6.20600	-.00080	.00120	-.00060	-.00130
.497	14.680	.06000	.72280	-.05740	.71380	.12770	5.58900	-.00600	-.00030	-.00020	-.00040
.497	15.680	.07000	.78150	-.05410	.76700	.15900	4.82300	-.01140	.00310	-.00090	-.00260
.497	19.640	.16000	1.02550	-.05000	.98270	.29760	3.30200	-.03590	-.00290	.00430	-.00090
	GRADIENT	.00353	.04557	-.00062	.04526	.00020	2.09780	.00097	.00005	-.00005	-.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E165) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 165/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.498	-2.410	2.06000	-.12060	.01570	-.11980	.02070	-5.78100	-.00500	-.03440	-.00200	.00110
.498	-.380	2.07000	-.02840	.01800	-.02820	.01820	-1.55200	-.00400	-.03410	-.00260	.00090
.498	1.610	2.10000	.06170	.01700	.06120	.01880	3.26100	-.00200	-.03290	-.00340	.00010
.498	3.630	2.15000	.15450	.01210	.15340	.02190	7.00600	.00090	-.03520	-.00420	.00080
.498	5.680	2.19000	.25060	.00370	.24900	.02850	8.73300	.00300	-.03580	-.00470	.00110
.498	7.720	2.19000	.35320	-.00840	.35120	.03910	8.97300	.00150	-.03540	-.00530	.00130
.498	9.760	2.19000	.45580	-.02310	.45310	.05450	8.31400	.00020	-.03560	-.00640	.00160
.498	10.770	2.20000	.50570	-.03090	.50260	.06410	7.83800	.00050	-.03630	-.00670	.00190
.498	11.770	2.20000	.55720	-.03870	.55340	.07570	7.30900	.00020	-.03630	-.00680	.00210
.498	12.770	2.20000	.61030	-.04620	.60540	.08980	6.74000	-.00100	-.03690	-.00700	.00230
.498	13.780	2.21000	.66570	-.05350	.65930	.10670	6.18100	-.00330	-.03720	-.00670	.00240
.498	14.760	2.23000	.73310	-.05910	.72400	.12970	5.58200	-.00850	-.03750	-.00600	.00210
.498	15.730	2.24000	.78240	-.05490	.76800	.15920	4.82400	-.01200	-.03750	-.00570	.00200
.498	19.740	2.27000	1.03000	-.04950	.98610	.30140	3.27200	-.03760	-.04230	-.00150	.00280
	GRADIENT	.01491	.04552	-.00059	.04520	.00021	2.14664	.00098	-.00006	-.00037	-.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E166) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.042
RDBF =	-10.511	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 166/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.497	-6.050	4.81000	.21300	-.00740	.21290	.01050	20.26000	.00000	.11020	.01000	-.00850
.497	-4.050	4.79000	.21160	.00590	.21040	.02350	8.93800	.00000	.07690	.00660	-.00660
.497	-3.040	4.79000	.21060	.00680	.20930	.02430	8.60800	-.00010	.05890	.00460	-.00540
.497	-2.040	4.78000	.20590	.00790	.20450	.02500	8.16900	.00280	.04000	.00290	-.00390
.497	-1.020	4.76000	.20630	.00810	.20490	.02520	8.11900	.00180	.02230	.00150	-.00290
.497	.000	4.61000	.19850	.00910	.19710	.02500	7.87600	.00290	.00300	-.00040	-.00150
.497	1.110	4.64000	.20180	.00880	.20040	.02510	7.99000	.00200	-.01720	-.00250	-.00010
.497	2.140	4.65000	.20180	.00850	.20040	.02480	8.07500	.00270	-.03520	-.00430	.00090
.497	3.160	4.66000	.20470	.00750	.20340	.02410	8.44300	-.00030	-.05460	-.00590	.00280
.497	4.180	4.66000	.20620	.00630	.20500	.02300	8.90700	-.00230	-.07320	-.00730	.00420
.497	6.230	4.65000	.20570	.00490	.20470	.02150	9.49900	-.00020	-.10920	-.00990	.00540
.497	8.260	4.64000	.20770	.00440	.20670	.02120	9.76400	-.00120	-.13960	-.01170	.00530
	GRADIENT	-.02078	-.00083	.00009	-.00083	-.00005	-.01444	-.00016	-.01824	-.00170	.00129

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E167) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.047	RDA =	.019
RDBF =	-10.503	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 167/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.495	-2.400	.01000	-.11990	.01550	-.11920	.02060	-5.79800	-.00450	.00270	-.00020	-.00170
.495	-.360	.02000	-.02560	.01800	-.02550	.01820	-1.40300	-.00340	.00260	-.00030	-.00160
.495	1.630	.02000	.06390	.01670	.06340	.01850	3.41900	-.00130	.00260	-.00040	-.00180
.495	3.620	.03000	.15530	.01200	.15430	.02180	7.08900	.00160	.00290	-.00050	-.00170
.495	5.560	.02000	.24630	.00400	.24470	.02780	8.80100	.00300	.00280	-.00050	-.00180
.495	7.610	.05000	.34830	-.00830	.34630	.03790	9.14100	.00170	.00220	-.00080	-.00170
.495	9.690	.05000	.45440	-.02340	.45190	.05340	8.46000	.00120	.00200	-.00070	-.00150
.495	10.680	.06000	.50360	-.03110	.50070	.06280	7.97800	.00210	.00200	-.00070	-.00170
.495	11.680	.06000	.55340	-.03880	.54980	.07400	7.42700	.00250	.00180	-.00070	-.00150
.495	12.680	.06000	.60600	-.04650	.60150	.08760	6.86700	.00180	.00190	-.00060	-.00150
.495	13.730	.06000	.66400	-.05460	.65800	.10450	6.29600	.00030	.00180	-.00060	-.00130
.495	14.710	.07000	.72680	-.06030	.71830	.12630	5.68900	-.00500	.00000	-.00030	-.00050
.495	15.660	.09000	.78670	-.06010	.77370	.15450	5.00800	-.01120	.00090	-.00010	-.00140
.495	19.690	.14000	1.01600	-.05710	.97580	.28850	3.38200	-.03130	-.00010	.00180	-.00160
	GRADIENT	.00299	.04564	-.00058	.04536	.00019	2.16890	.00102	.00003	-.00005	-.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E168) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.017
RDBF =	-10.488	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 168/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.496	-2.400	2.08000	-.12030	.01470	-.11960	.01980	-6.05200	-.00510	-.03470	-.00190	.00090
.496	-.400	2.08000	-.02840	.01710	-.02830	.01730	-1.63300	-.00390	-.03440	-.00270	.00060
.496	1.580	2.11000	.06260	.01620	.06220	.01790	3.47700	-.00200	-.03300	-.00330	.00000
.496	3.620	2.16000	.15640	.01120	.15530	.02110	7.37200	.00100	-.03510	-.00410	.00060
.496	5.650	2.20000	.25310	.00280	.25160	.02770	9.07900	.00340	-.03600	-.00480	.00090
.496	7.730	2.21000	.35670	-.00970	.35470	.03840	9.22900	.00160	-.03560	-.00550	.00120
.496	9.830	2.21000	.46210	-.02480	.45960	.05450	8.44000	-.00010	-.03590	-.00660	.00160
.496	10.790	2.21000	.51010	-.03220	.50710	.06390	7.93700	.00030	-.03640	-.00690	.00180
.496	11.810	2.22000	.56240	-.04020	.55870	.07570	7.38000	.00020	-.03680	-.00710	.00210
.496	12.780	2.22000	.61500	-.04800	.61030	.08930	6.83800	-.00090	-.03710	-.00710	.00230
.496	13.790	2.22000	.67150	-.05560	.66540	.10600	6.27500	-.00270	-.03800	-.00700	.00250
.496	14.810	2.24000	.73500	-.06130	.72620	.12860	5.64900	-.00800	-.03810	-.00610	.00220
.496	15.760	2.25000	.79460	-.05980	.78100	.15830	4.93400	-.01390	-.03880	-.00570	.00250
.496	19.680	2.26000	1.00870	-.05780	.96930	.28530	3.39700	-.02840	-.04160	-.00180	.00250
	GRADIENT	.01350	.04596	-.00057	.04567	.00023	2.26385	.00101	.00001	-.00036	-.00007

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E169) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.038	RDA =	.035
RDBF =	-10.501	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 169/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-2.420	.01000	-.12480	.01670	-.12400	.02200	-5.64800	-.00320	.00180	-.00030	-.00110
.598	-.380	.01000	-.02900	.01930	-.02890	.01950	-1.48500	-.00300	.00170	-.00050	-.00090
.598	1.640	.02000	.06450	.01810	.06390	.01990	3.20700	-.00120	.00320	-.00050	-.00170
.598	3.650	.03000	.15900	.01340	.15780	.02350	6.72100	.00130	.00240	-.00060	-.00150
.598	5.590	.03000	.25220	.00540	.25050	.03000	8.35900	.00160	.00250	-.00090	-.00150
.598	7.640	.05000	.35600	-.00650	.35370	.04090	8.65200	.00040	.00230	-.00100	-.00160
.598	9.620	.05000	.46320	-.02090	.46020	.05690	8.09300	-.00110	.00250	-.00110	-.00180
.598	10.650	.06000	.51530	-.02860	.51170	.06710	7.62400	-.00080	.00270	-.00090	-.00180
.598	11.660	.06000	.56890	-.03810	.56490	.07760	7.27900	-.00030	.00270	-.00080	-.00160
.598	12.650	.06000	.62760	-.04220	.62160	.09620	6.46000	-.00240	.00240	-.00060	-.00170
.598	13.630	.06000	.68070	-.03960	.67090	.12190	5.50200	-.00650	.00190	.00000	-.00140
.598	14.660	.06000	.73150	-.03650	.71690	.14980	4.78700	-.00950	.00320	-.00120	-.00230
.598	15.700	.09000	.78470	-.03430	.76480	.17930	4.26600	-.01320	.00150	-.00040	-.00180
.598	19.660	.15000	1.05670	-.03460	1.00670	.32280	3.11800	-.04640	-.00270	.00420	-.00070
	GRADIENT	.00346	.04671	-.00055	.04638	.00024	2.06636	.00076	.00016	-.00004	-.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E170) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE_ =	-.045	RDA =	.019
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 170/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-2.440	2.07000	-.12870	.01640	-.12790	.02190	-5.83800	-.00270	-.03530	-.00170	.00110
.598	-.410	2.09000	-.03220	.01880	-.03210	.01910	-1.68400	-.00250	-.03630	-.00250	.00200
.598	1.570	2.11000	.06010	.01790	.05960	.01950	3.05000	-.00070	-.03450	-.00350	.00060
.598	3.670	2.16000	.15860	.01300	.15740	.02310	6.81500	.00270	-.03610	-.00430	.00100
.598	5.610	2.19000	.25460	.00490	.25290	.02980	8.49300	.00310	-.03700	-.00500	.00150
.598	7.750	2.19000	.36590	-.00760	.36360	.04180	8.69100	.00140	-.03490	-.00560	.00090
.598	9.750	2.20000	.46930	-.02220	.46620	.05760	8.09000	-.00130	-.03590	-.00650	.00180
.598	10.790	2.20000	.52450	-.02990	.52080	.06880	7.57300	-.00150	-.03660	-.00690	.00210
.598	11.790	2.21000	.57660	-.03750	.57210	.08100	7.06000	-.00170	-.03680	-.00710	.00230
.598	12.730	2.22000	.63470	-.04310	.62860	.09770	6.43200	-.00470	-.03650	-.00660	.00200
.598	13.740	2.22000	.68930	-.03780	.67860	.12700	5.34300	-.00990	-.03810	-.00580	.00260
.598	14.750	2.23000	.73990	-.03780	.72510	.15180	4.77500	-.01200	-.03730	-.00660	.00180
.598	15.710	2.24000	.79130	-.03710	.77180	.17850	4.32500	-.01530	-.03720	-.00590	.00180
.598	19.650	2.25000	1.04910	-.03570	1.00000	.31920	3.13200	-.04420	-.04480	-.00170	.00410
	GRADIENT	.01480	.04698	-.00055	.04666	.00020	2.10083	.00089	-.00003	-.00043	-.00008

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E171) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.055	RDA =	.009
RDBF =	-10.476	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 171/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.648	-2.460	.00000	-.12440	.01640	-.12360	.02170	-5.68200	-.00400	.00110	-.00050	-.00100
.648	-.370	.02000	-.02560	.01900	-.02540	.01920	-1.32700	-.00400	.00250	-.00040	-.00180
.648	1.650	.03000	.06860	.01780	.06800	.01970	3.44400	-.00240	.00250	-.00070	-.00180
.648	3.590	.03000	.16170	.01330	.16050	.02340	6.86800	-.00010	.00240	-.00080	-.00170
.648	5.600	.02000	.26250	.00500	.26080	.03060	8.53400	-.00010	.00210	-.00100	-.00150
.648	7.680	.04000	.37060	-.00730	.36830	.04230	8.70500	-.00160	.00170	-.00120	-.00160
.648	9.690	.05000	.47640	-.02150	.47320	.05900	8.02300	-.00210	.00190	-.00070	-.00160
.648	10.710	.06000	.53030	-.02890	.52640	.07010	7.50500	-.00200	.00170	-.00080	-.00160
.648	11.710	.07000	.59050	-.03470	.58530	.08590	6.81500	-.00410	.00110	-.00080	-.00140
.648	12.670	.06000	.63870	-.03390	.63050	.10700	5.89100	-.00570	.00210	-.00130	-.00190
.648	13.720	.07000	.68450	-.03140	.67240	.13180	5.10000	-.00620	.00080	-.00050	-.00130
.648	14.730	.08000	.73340	-.02910	.71670	.15830	4.52800	-.00970	.00110	-.00070	-.00150
.648	15.690	.09000	.78280	-.02900	.76150	.18380	4.14400	-.01240	.00250	-.00160	-.00210
.648	19.650	.13000	1.04970	-.02820	.99810	.32640	3.05800	-.04470	-.00270	.00310	-.00080
	GRADIENT	.00499	.04722	-.00051	.04688	.00027	2.10435	.00065	.00020	-.00006	-.00011

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E172) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.019	RDA =	.062
RDBF =	-10.468	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 172/ 0 RN/L = 6.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.647	-2.450	2.10000	-.12680	.01620	-.12600	.02160	-5.82400	-.00270	-.03440	-.00170	-.00010
.647	-.440	2.10000	-.03060	.01840	-.03040	.01860	-1.63400	-.00310	-.03750	-.00260	.00170
.647	1.600	2.12000	.06430	.01750	.06380	.01920	3.31300	-.00070	-.03580	-.00330	.00090
.647	3.650	2.17000	.16070	.01310	.15950	.02330	6.84000	.00340	-.03710	-.00410	.00110
.647	5.650	2.20000	.26210	.00430	.26040	.03010	8.65600	.00300	-.03860	-.00490	.00180
.647	7.760	2.25000	.37230	-.00760	.36990	.04280	8.64600	.00120	-.03490	-.00520	.00030
.647	9.830	2.24000	.48170	-.02290	.47860	.05970	8.01700	-.00230	-.03760	-.00640	.00210
.647	10.780	2.24000	.53710	-.02970	.53320	.07130	7.48400	-.00460	-.03790	-.00750	.00230
.647	11.800	2.24000	.59750	-.03540	.59210	.08760	6.76200	-.00640	-.03900	-.00650	.00280
.647	12.760	2.24000	.64680	-.03430	.63840	.10950	5.83200	-.00840	-.03900	-.00660	.00260
.647	13.810	2.24000	.69090	-.03160	.67850	.13430	5.05300	-.00950	-.04010	-.00630	.00300
.647	14.790	2.24000	.74350	-.03040	.72660	.16040	4.53100	-.01230	-.03930	-.00620	.00260
.647	15.740	2.25000	.78730	-.02920	.76570	.18550	4.12700	-.01540	-.03820	-.00620	.00210
.647	19.660	2.28000	1.04560	-.02870	.99430	.32470	3.06200	-.04230	-.04620	-.00380	.00370
	GRADIENT	.01133	.04707	-.00050	.04674	.00028	2.11080	.00102	-.00031	-.00039	.00014

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E173) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.050
RDBF =	-10.472	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 173/ 0 RN/L = 6.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-2.450	-.02000	-.13040	.01790	-.12950	.02350	-5.52000	-.00080	-.00030	-.00020	.00000
.698	-.420	-.01000	-.03180	.02040	-.03170	.02060	-1.53500	-.00070	-.00100	-.00030	.00010
.698	1.610	.00000	.06420	.01920	.06360	.02100	3.03300	-.00020	-.00040	-.00030	-.00020
.698	3.610	.00000	.16160	.01430	.16040	.02440	6.56800	.00120	.00150	-.00050	-.00090
.698	5.660	.01000	.26560	.00590	.26380	.03210	8.22100	.00130	.00060	-.00070	-.00090
.698	7.670	.02000	.37310	-.00540	.37050	.04440	8.33700	-.00020	-.00060	-.00080	-.00030
.698	9.710	.03000	.48670	-.01790	.48270	.06440	7.50000	-.00310	.00090	-.00060	-.00100
.698	10.670	.04000	.54180	-.02210	.53650	.07870	6.82100	-.00500	.00050	-.00040	-.00110
.698	11.710	.05000	.59000	-.02140	.58210	.09870	5.89500	-.00570	.00140	-.00070	-.00150
.698	12.670	.04000	.63660	-.02160	.62580	.11860	5.27700	-.00720	.00180	-.00070	-.00150
.698	13.720	.05000	.68360	-.02030	.66890	.14230	4.70000	-.00840	.00170	-.00060	-.00150
.698	14.690	.05000	.72760	-.01830	.70850	.16680	4.24800	-.01150	.00200	-.00050	-.00160
.698	15.670	.06000	.78820	-.01670	.76340	.19680	3.87800	-.02000	.00280	-.00080	-.00220
.698	19.660	.10000	1.05100	-.01820	.99580	.33640	2.96000	-.04430	-.00310	.00230	-.00090
	GRADIENT	.00347	.04809	-.00059	.04775	.00015	2.02064	.00032	.00030	-.00004	-.00015

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E174) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.030	RDA =	.029
RDBF =	-10.474	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 174/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-2.430	2.12000	-.13140	.01760	-.13060	.02320	-5.63100	-.00100	-.03330	-.00160	-.00060
.699	-.420	2.11000	-.03380	.01950	-.03370	.01980	-1.70400	-.00130	-.03590	-.00250	.00030
.699	1.600	2.13000	.06160	.01860	.06110	.02040	3.00000	.00140	-.03560	-.00320	.00070
.699	3.650	2.17000	.16020	.01450	.15900	.02470	6.43900	.00480	-.03750	-.00420	.00110
.699	5.640	2.20000	.26480	.00560	.26300	.03160	8.32800	.00350	-.03890	-.00500	.00180
.699	7.740	2.26000	.37980	-.00580	.37710	.04540	8.31100	.00060	-.03470	-.00520	.00010
.699	9.810	2.25000	.49580	-.01860	.49170	.06620	7.43000	-.00480	-.03950	-.00600	.00270
.699	10.790	2.24000	.55220	-.02270	.54670	.08110	6.74300	-.00780	-.04010	-.00510	.00310
.699	11.780	2.24000	.59490	-.02200	.58690	.09990	5.87300	-.00860	-.04000	-.00570	.00290
.699	12.790	2.24000	.64310	-.02180	.63200	.12110	5.21800	-.00920	-.03940	-.00640	.00270
.699	13.770	2.25000	.68880	-.02110	.67410	.14340	4.70000	-.01030	-.03990	-.00640	.00270
.699	14.760	2.25000	.73680	-.01920	.71740	.16920	4.24000	-.01490	-.03900	-.00660	.00190
.699	15.760	2.26000	.79330	-.01780	.76830	.19830	3.87400	-.02130	-.03870	-.00570	.00120
.699	19.680	2.30000	1.04430	-.01710	.98910	.33550	2.94800	-.04320	-.04800	-.00340	.00170
	GRADIENT	.00841	.04789	-.00051	.04756	.00026	2.01907	.00099	-.00061	-.00042	.00027

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E175) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.027
RDBF =	-10.472	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 175/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-6.060	11.66000	.59630	-.02260	.58860	.09840	5.98300	-.01090	.11490	.01480	-.01150
.699	-4.050	11.70000	.59860	-.02130	.59050	.10050	5.87400	-.01120	.07960	.00970	-.00850
.699	-3.030	11.70000	.59630	-.02190	.58840	.09940	5.91900	-.01070	.05980	.00710	-.00680
.699	-2.000	11.69000	.59390	-.02160	.58600	.09910	5.91000	-.00810	.04060	.00420	-.00540
.699	-.980	11.69000	.59210	-.02130	.58410	.09910	5.89400	-.00700	.02150	.00160	-.00360
.699	.050	11.71000	.59030	-.02180	.58240	.09850	5.91500	-.00610	.00200	-.00100	-.00160
.699	1.060	11.70000	.59160	-.02180	.58370	.09870	5.91600	-.00690	-.01830	-.00350	.00080
.699	2.100	11.71000	.59220	-.02210	.58440	.09850	5.93200	-.00930	-.03830	-.00590	.00260
.699	3.130	11.71000	.59470	-.02240	.58690	.09880	5.94200	-.01210	-.05780	-.00860	.00450
.699	4.150	11.71000	.59570	-.02220	.58780	.09920	5.92600	-.01300	-.07750	-.01130	.00600
.699	6.240	11.72000	.59780	-.02330	.59010	.09870	5.98100	-.01500	-.11700	-.01540	.00860
.699	8.340	11.71000	.59770	-.02300	.58990	.09880	5.97100	-.01630	-.14630	-.01740	.00770
	GRADIENT	.00195	-.00033	-.00011	-.00031	-.00014	.00558	-.00022	-.01916	-.00254	.00183

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E176) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.020	RDA =	.048
RDBF =	-10.548	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 176/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-2.410	-.02000	-.12630	.01800	-.12540	.02330	-5.37700	-.00300	.00130	-.00040	-.00070
.600	-.380	-.01000	-.02910	.02030	-.02900	.02050	-1.41300	-.00310	.00130	-.00060	-.00090
.600	1.610	.00000	.06190	.01920	.06130	.02090	2.93700	-.00110	.00130	-.00060	-.00140
.600	3.580	.00000	.15560	.01450	.15440	.02420	6.38700	.00070	.00270	-.00080	-.00150
.600	5.560	.03000	.25120	.00650	.24940	.03080	8.09800	.00140	.00210	-.00110	-.00140
.600	7.570	.02000	.35080	-.00500	.34840	.04120	8.45200	.00070	.00180	-.00110	-.00140
.600	9.590	.03000	.46030	-.01950	.45710	.05750	7.95600	-.00090	.00230	-.00110	-.00180
.600	10.610	.04000	.51220	-.02720	.50840	.06760	7.51800	-.00070	.00320	-.00100	-.00200
.600	11.600	.04000	.56570	-.03450	.56110	.08000	7.01500	.00000	.00270	-.00100	-.00190
.600	12.630	.04000	.62830	-.04060	.62200	.09770	6.36400	-.00290	.00270	-.00090	-.00180
.600	13.650	.05000	.67890	-.03260	.66740	.12860	5.19100	-.00810	.00130	-.00020	-.00140
.600	14.630	.04000	.72460	-.02910	.70850	.15480	4.57700	-.01200	.00180	.00000	-.00160
.600	15.640	.05000	.78310	-.02870	.76190	.18340	4.15300	-.01660	.00050	.00080	-.00100
.600	19.600	.13000	1.06670	-.03190	1.01560	.32770	3.09900	-.04980	-.00280	.00270	-.00080
	GRADIENT	.00351	.04693	-.00058	.04658	.00015	1.98630	.00065	.00021	-.00006	-.00015

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E177) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.021
RDBF =	-10.555	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 177/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-2.400	2.04000	-.12640	.01790	-.12560	.02320	-5.41800	-.00250	-.03080	-.00209	-.00090
.599	-.410	2.04000	-.03090	.01970	-.03070	.01990	-1.54500	-.00410	-.03640	-.00290	.00180
.599	1.580	2.07000	.05980	.01880	.05920	.02050	2.89500	-.00150	-.03410	-.00360	.00060
.599	3.600	2.12000	.15560	.01410	.15440	.02380	6.47500	.00150	-.03560	-.00440	.00100
.599	5.640	2.15000	.25490	.00310	.25330	.02810	9.00100	.00200	-.03630	-.00520	.00150
.599	7.710	2.16000	.35950	-.00570	.35700	.04250	8.39400	.00160	-.03180	-.00560	-.00050
.599	9.710	2.16000	.46470	-.02190	.46170	.05690	8.11800	-.00220	-.03560	-.00690	.00160
.599	10.730	2.16000	.51710	-.02820	.51330	.06850	7.49100	-.00210	-.03610	-.00720	.00200
.599	11.730	2.16000	.57140	-.03520	.56660	.08170	6.93500	-.00250	-.03640	-.00730	.00220
.599	12.720	2.17000	.63410	-.04140	.62760	.09920	6.32400	-.00570	-.03580	-.00690	.00170
.599	13.750	2.17000	.68670	-.03200	.67460	.13210	5.10700	-.01230	-.03750	-.00600	.00220
.599	14.710	2.19000	.73280	-.03160	.71680	.15550	4.60900	-.01430	-.03860	-.00490	.00260
.599	15.710	2.20000	.78740	-.02980	.76600	.18450	4.15100	-.02010	-.03950	-.00270	.00290
.599	19.630	2.21000	1.05370	-.03300	1.00360	.32290	3.10800	-.04450	-.04400	-.00300	.00400
	GRADIENT	.01352	.04686	-.00062	.04652	.00012	2.00671	.00073	-.00060	-.00040	.00022

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E178) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	.001
RDBF =	-10.553	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 178/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.395	-5.970	11.64000	.55000	-.04110	.54700	.07070	7.73700	-.00160	.10470	.01530	-.00850
.395	-3.950	11.65000	.54710	-.03950	.54380	.07180	7.57700	.00110	.07340	.01020	-.00700
.395	-2.950	11.64000	.54560	-.03860	.54220	.07230	7.49800	.00110	.05540	.00750	-.00570
.395	-1.940	11.62000	.54330	-.03800	.53980	.07230	7.46800	.00180	.03800	.00450	-.00470
.395	-.940	11.63000	.54210	-.03750	.53860	.07260	7.42200	.00290	.02050	.00170	-.00340
.395	.060	11.63000	.53740	-.03710	.53380	.07210	7.40900	.00400	.00220	-.00130	-.00180
.395	1.070	11.62000	.53420	-.03690	.53070	.07140	7.43000	.00280	-.01740	-.00440	.00030
.395	2.080	11.62000	.53770	-.03720	.53420	.07190	7.43000	.00140	-.03500	-.00720	.00170
.395	3.080	11.62000	.53600	-.03720	.53250	.07160	7.43800	.00000	-.05280	-.00990	.00280
.395	4.110	11.63000	.53650	-.03790	.53220	.07080	7.51400	-.00140	-.07170	-.01210	.00420
.395	6.140	11.63000	.54040	-.03920	.53720	.07060	7.61400	-.00290	-.10550	-.01680	.00480
.395	8.180	11.61000	.54060	-.03960	.53750	.07000	7.67700	-.00570	-.14180	-.02170	.00760
	GRADIENT	-.00248	-.00156	.00021	-.00157	-.00013	-.00824	-.00024	-.01803	-.00283	.00144

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E179) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.018	RDA =	.055
RDBF =	-10.566	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 179/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-2.390	-.02000	-.12360	.01960	-.12270	.02470	-4.96400	-.00260	.00030	-.00070	-.00040
.601	-.410	-.01000	-.03230	.02180	-.03210	.02200	-1.46100	-.00210	-.00020	-.00080	-.00020
.601	1.580	-.01000	.06020	.02070	.05960	.02230	2.67200	-.00100	.00000	-.00090	-.00020
.601	3.570	-.01000	.15190	.01590	.15070	.02530	5.94900	.00140	.00100	-.00100	-.00070
.601	5.590	.03000	.25070	.00770	.24870	.03210	7.75000	.00160	.00120	-.00120	-.00120
.601	7.590	.02000	.35170	-.00380	.34910	.04270	8.17500	.00080	.00070	-.00130	-.00080
.601	9.580	.03000	.45500	-.01760	.45160	.05830	7.74200	.00010	.00220	-.00120	-.00190
.601	10.590	.04000	.50720	-.02490	.50310	.06870	7.32000	.00080	.00240	-.00130	-.00200
.601	11.590	.04000	.56090	-.03220	.55600	.08110	6.85300	.00120	.00200	-.00140	-.00190
.601	12.610	.04000	.62340	-.03800	.61670	.09900	6.22600	-.00170	.00220	-.00160	-.00190
.601	13.590	.05000	.67080	-.02390	.65770	.13440	4.89200	-.01030	.00000	.00020	-.00090
.601	14.610	.05000	.73420	-.02500	.71680	.16100	4.45300	-.01590	.00000	.00040	-.00090
.601	15.630	.06000	.79940	-.02660	.77700	.18980	4.09300	-.02030	.00050	-.00050	-.00100
.601	19.580	.15000	1.06500	-.02930	1.01320	.32920	3.07800	-.04910	-.00250	.00110	-.00110
	GRADIENT	.00151	.04625	-.00061	.04589	.00011	1.85567	.00066	.00012	-.00005	-.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E180) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.050
RDBF =	-10.564	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 180/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-2.390	2.03000	-.12740	.01930	-.12640	.02460	-5.13700	-.00240	-.03080	-.00170	-.00110
.601	-.430	2.05000	-.03220	.02080	-.03200	.02110	-1.52000	-.00410	-.03720	-.00270	.00200
.601	1.560	2.07000	.05750	.02020	.05700	.02180	2.61400	-.00140	-.03500	-.00330	.00070
.601	3.590	2.12000	.15340	.01570	.15210	.02530	6.01400	.00180	-.03650	-.00400	.00130
.601	5.670	2.15000	.25600	.00710	.25400	.03230	7.85500	.00230	-.03670	-.00490	.00160
.601	7.720	2.14000	.35800	-.00390	.35530	.04420	8.04400	.00280	-.03100	-.00530	-.00060
.601	9.720	2.14000	.46300	-.01880	.45950	.05960	7.70400	-.00090	-.03530	-.00650	.00170
.601	10.720	2.15000	.51410	-.02610	.50990	.06990	7.29100	-.00070	-.03600	-.00690	.00210
.601	11.730	2.15000	.56940	-.03340	.56430	.08310	6.79500	-.00120	-.03580	-.00710	.00200
.601	12.720	2.16000	.63160	-.03860	.62460	.10140	6.16000	-.00520	-.03570	-.00680	.00150
.601	13.730	2.16000	.68400	-.02500	.67040	.13810	4.85400	-.01390	-.03930	-.00330	.00330
.601	14.710	2.17000	.73390	-.02420	.71590	.16300	4.39200	-.01790	-.04010	-.00190	.00340
.601	15.720	2.18000	.80510	-.02500	.78170	.19410	4.02800	-.02510	-.03870	-.00310	.00250
.601	19.610	2.20000	1.06610	-.02880	1.01390	.33070	3.06600	-.04800	-.04270	-.00720	.00350
	GRADIENT	.01458	.04677	-.00058	.04639	.00015	1.88561	.00077	-.00074	-.00038	.00029

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E181) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.008	RDA =	.058
RDBF =	-10.656	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 181/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.401	-5.920	5.12000	.22960	.00560	.22820	.02610	8.74300	.00110	.10380	.00890	-.00690
.401	-3.920	5.12000	.22840	.00720	.22690	.02760	8.23300	.00160	.07010	.00540	-.00460
.401	-2.920	5.13000	.22810	.00780	.22650	.02820	8.04300	.00150	.05150	.00330	-.00350
.401	-1.900	5.12000	.21860	.01000	.21690	.02940	7.37000	.00810	.03470	.00160	-.00280
.401	-.890	5.14000	.22540	.00900	.22370	.02920	7.66600	.00360	.01630	.00010	-.00110
.401	.070	5.17000	.22370	.00240	.22250	.02250	9.87800	.00430	.00050	-.00170	-.00020
.401	1.080	5.14000	.21790	.00940	.21620	.02890	7.49000	.00340	-.01820	-.00360	.00100
.401	2.050	5.16000	.21580	.00930	.21410	.02860	7.48200	.00530	-.03480	-.00520	.00200
.401	3.040	5.15000	.22050	.00820	.21880	.02800	7.81800	.00090	-.05340	-.00670	.00370
.401	4.050	5.15000	.22000	.00730	.21840	.02700	8.09100	-.00090	-.07250	-.00810	.00530
.401	6.080	5.14000	.22150	.00560	.22010	.02550	8.64700	.00130	-.10810	-.01120	.00680
.401	8.090	5.14000	.22430	.00430	.22300	.02430	9.17400	-.00090	-.14230	-.01430	.00890
	GRADIENT	.00436	-.00117	.00001	-.00118	-.00008	-.02052	-.00029	-.01775	-.00170	.00122

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E182) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.482	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 182/ 0 RN/L = 3.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.396	-5.960	5.14000	.23640	.00370	.23510	.02490	9.44800	.00040	.10610	.00940	-.00760
.396	-3.930	5.12000	.23270	.00550	.23130	.02630	8.80800	.00090	.07120	.00540	-.00510
.396	-2.930	5.11000	.23220	.00660	.23070	.02730	8.46000	.00150	.05280	.00350	-.00370
.396	-1.910	5.12000	.22600	.00060	.22510	.02070	10.87000	.00630	.03500	.00160	-.00260
.396	-.900	5.12000	.22970	.00770	.22810	.02820	8.08600	.00320	.01660	.00010	-.00120
.396	.040	5.02000	.21750	.00880	.21590	.02780	7.77000	.00440	-.00070	-.00180	-.00020
.396	1.170	5.04000	.22270	.00870	.22110	.02820	7.83200	.00300	-.01970	-.00390	.00110
.396	2.150	5.04000	.22040	.00860	.21880	.02800	7.82600	.00460	-.03720	-.00540	.00210
.396	3.150	5.04000	.22320	.00770	.22160	.02730	8.11900	.00070	-.05660	-.00710	.00390
.396	4.170	5.04000	.22400	.00640	.22260	.02600	8.55100	-.00160	-.07560	-.00850	.00560
.396	6.190	5.02000	.22290	.00480	.22160	.02430	9.12700	-.00020	-.11140	-.01170	.00730
.396	8.210	5.00000	.22540	.00320	.22420	.02290	9.81200	-.00260	-.14610	-.01500	.00910
	GRADIENT	-.01261	-.00131	.00039	-.00133	.00022	-.13740	-.00026	-.01802	-.00173	.00127

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E183) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.003
RDBF =	-10.487	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 183/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-5.980	5.18000	.24200	.00620	.24040	.02810	8.56600	.00160	.11110	.01000	-.00900
.599	-3.950	5.16000	.23940	.00760	.23770	.02910	8.15800	.00250	.07400	.00610	-.00600
.599	-2.940	5.15000	.23850	.00810	.23680	.02950	8.04100	.00160	.05640	.00400	-.00490
.599	-1.910	5.16000	.23200	.00980	.23020	.03060	7.51400	.00770	.03700	.00190	-.00320
.599	-.890	5.17000	.23650	.00980	.23470	.03100	7.56100	.00440	.01600	.00010	-.00060
.599	.070	5.21000	.23520	.00940	.23340	.03070	7.59700	.00340	.00050	-.00160	.00000
.599	1.050	5.18000	.23080	.00980	.22890	.03060	7.48500	.00320	-.01610	-.00380	.00060
.599	2.070	5.18000	.22630	.01000	.22440	.03040	7.38300	.00630	-.03650	-.00540	.00270
.599	3.070	5.17000	.23170	.00860	.23000	.02940	7.81800	.00080	-.05660	-.00720	.00490
.599	4.080	5.17000	.22920	.00810	.22760	.02870	7.93300	.00020	-.07530	-.00880	.00620
.599	6.130	5.17000	.23130	.00690	.22980	.02770	8.30700	.00190	-.11250	-.01200	.00800
.599	8.150	5.16000	.23500	.00510	.23360	.02630	8.89500	-.00100	-.14830	-.01510	.01050
	GRADIENT	.00249	-.00130	.00007	-.00130	-.00004	-.03199	-.00026	-.01857	-.00186	.00152

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E184) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.068	RDA =	.038		
RDBF =	-10.487	ALPHA =	5.000		
ELEVON =	.000	SPDBRK =	7.500		
BDFLAP =	-11.700	RN/L =	3.750		
GRIT =	1.000				

RUN NO. 184/ 0 RN/L = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.699	-5.950	5.21000	.24760	.00830	.24580	.03070	7.99600	.00230	.11410	.01040	-.01030
.699	-3.960	5.20000	.24350	.01000	.24160	.03200	7.54300	.00500	.07670	.00650	-.00700
.699	-2.940	5.19000	.24370	.01010	.24170	.03210	7.52100	.00400	.05910	.00450	-.00590
.699	-1.920	5.19000	.23760	.01160	.23560	.03310	7.12200	.00900	.03920	.00240	-.00410
.699	-.890	5.20000	.24100	.01210	.23890	.03390	7.04500	.00610	.01510	.00030	.00010
.699	.070	5.24000	.24050	.01160	.23840	.03350	7.11400	.00560	.00000	-.00150	.00040
.699	1.060	5.22000	.23380	.01230	.23170	.03350	6.91800	.00610	-.01470	-.00340	-.00040
.699	2.070	5.22000	.23210	.01150	.23010	.03260	7.05700	.00710	-.03830	-.00560	.00340
.699	3.080	5.21000	.23740	.01030	.23550	.03190	7.38600	.00170	-.05930	-.00750	.00590
.699	4.090	5.21000	.23380	.01280	.23170	.03400	6.81800	.00330	-.07660	-.00900	.00640
.699	6.140	5.21000	.23540	.00930	.23360	.03060	7.63500	.00300	-.11640	-.01220	.00980
.699	8.170	5.20000	.23800	.00930	.23610	.03090	7.65400	.00140	-.14610	-.01350	.00890
	GRADIENT	.00298	-.00126	.00020	-.00127	.00010	-.05936	-.00029	-.01916	-.00136	.00172

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E185) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.103	RDA =	.009		
RDBF =	-10.472	BETA =	-6.000		
ELEVON =	.000	SPDBRK =	7.500		
BDFLAP =	-11.700	RN/L =	5.000		
GRIT =	1.000				

RUN NO. 185/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.697	5.150	-5.98000	.24440	.00740	.24280	.02930	8.28500	.00210	.11430	.01060	-.01040
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E186) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.085	RDA =	.046
RDBF =	-10.475	BETA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 186/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-2.010	-.03000	-.11180	.02110	-.11100	.02500	-4.44500	.00210	-.00320	-.00090	.00160
.698	.000	-.01000	-.01520	.02270	-.01520	.02270	-.66900	.00190	-.00390	-.00110	.00180
.698	1.980	-.01000	.08000	.02080	.07920	.02360	3.35800	.00290	-.00350	-.00120	.00150
.698	3.990	.00000	.17630	.01560	.17480	.02790	6.27400	.00490	-.00300	-.00130	.00130
.698	5.980	.03000	.27780	.00700	.27550	.03590	7.67200	.00490	-.00340	-.00140	.00120
.698	8.040	.02000	.39230	-.00550	.38920	.04940	7.88200	.00160	-.00370	-.00160	.00140
.698	10.040	.03000	.50190	-.01980	.49770	.06810	7.31100	-.00100	-.00060	-.00130	.00010
.698	11.040	.04000	.55620	-.01860	.54940	.06830	6.22200	-.00380	.00000	-.00190	-.00050
.698	12.050	.04000	.60200	-.01840	.59260	.10760	5.50500	-.00400	-.00070	-.00160	-.00030
.698	13.070	.04000	.65030	-.01720	.63730	.13030	4.89300	-.00550	-.00070	-.00120	-.00010
.698	14.050	.04000	.69480	-.01490	.67760	.15430	4.39300	-.00870	-.00110	-.00040	.00000
.698	15.040	.04000	.74550	-.01230	.72320	.18160	3.98200	-.01600	-.00010	-.00100	-.00020
.698	16.040	.05000	.81620	-.01020	.78720	.21580	3 64800	-.02740	-.00130	.00020	-.00030
.698	20.000	.14000	1.07440	-.01690	1.01540	.35160	2.88800	-.04330	-.00790	.00250	.00080
	GRADIENT	.00451	.04802	-.00092	.04764	.00048	1.81079	.00047	.00005	-.00007	-.00006

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E187) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.028
RDBF =	-10.479	ALPHA =	-2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 187/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	2.060	-2.01000	-.11170	.02090	-.11080	.02480	-4.46400	.00060	-.03550	-.00290	.00090
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E188) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.068
RDBF =	-10.480	ALPHA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 188/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.697	-6.080	.17000	-.00230	.01960	-.00230	.01960	-.12000	.00100	.11320	.00700	-.00930
.697	-4.040	.15000	-.00340	.02140	-.00350	.02130	-.16300	.00050	.07380	.00440	-.00490
.697	-3.020	.15000	-.00380	.02190	-.00390	.02190	-.17800	.00060	.05410	.00290	-.00290
.697	-1.990	.14000	-.00500	.02240	-.00500	.02240	-.22500	.00160	.03490	.00160	-.00150
.697	-.950	.14000	-.00610	.02250	-.00620	.02250	-.27500	.00170	.01550	.00050	.0006
.697	.060	.15000	-.00700	.02280	-.00700	.02280	-.31000	.00180	-.00400	-.00090	.00210
.697	1.100	.17000	-.00860	.02260	-.00860	.02260	-.38200	.00240	-.01780	-.00210	.00050
.697	2.140	.18000	-.00850	.02220	-.00850	.02220	-.38500	.00210	-.03650	-.00340	.00190
.697	3.160	.13000	-.01110	.02190	-.01110	.02180	-.51000	.00090	-.05540	-.00450	.00300
.697	4.180	.12000	-.01130	.02100	-.01130	.02100	-.53900	-.00110	-.07620	-.00550	.00510
.697	6.210	.14000	-.00710	.01890	-.00710	.01893	-.37600	-.00220	-.11660	-.00740	.00910
.697	8.240	.14000	-.00250	.01610	-.00260	.01610	-.15900	-.00600	-.15570	-.00840	.01230
	GRADIENT	-.00113	-.00102	-.00003	-.00101	-.00003	-.04741	-.00006	-.01789	-.00121	.00105

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E189) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.042
RDBF =	-10.474	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 189/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-6.020	10.07000	.50830	-.01920	.50390	.06990	7.20400	-.00330	.11210	.01480	-.01120
.698	-4.000	10.08000	.51170	-.01880	.50710	.07110	7.13700	-.00380	.07790	.00990	-.00830
.698	-3.000	10.07000	.51250	-.01840	.50780	.07140	7.11200	-.00510	.05780	.00700	-.00610
.698	-1.980	10.05000	.50950	-.01790	.50480	.07120	7.08700	-.00310	.03820	.00440	-.00420
.698	-.980	10.05000	.50740	-.02170	.50340	.06710	7.50000	-.00250	.01900	.00150	-.00220
.698	.020	10.07000	.50590	-.01740	.50120	.07130	7.03300	-.00190	-.00080	-.00110	.00030
.698	1.030	10.05000	.50170	-.01760	.49710	.07030	7.07500	-.00150	-.02180	-.00400	.00290
.698	2.050	10.06000	.50210	-.01780	.49750	.07030	7.08100	-.00370	-.04110	-.00660	.00470
.698	3.080	10.07000	.50640	-.01780	.50170	.07110	7.05700	-.00640	-.06080	-.00910	.00660
.698	4.120	10.07000	.50290	-.01800	.49830	.07030	7.09100	-.00580	-.08180	-.01170	.00900
.698	6.180	10.05000	.50400	-.01060	.49810	.07760	6.41900	-.00590	-.11780	-.01640	.01040
.698	8.230	10.04000	.50420	-.02050	.50010	.06770	7.39100	-.00920	-.15800	-.02170	.01490
	GRADIENT	-.00032	-.00121	.00015	-.00122	-.00004	-.01293	-.00020	-.01364	-.00267	.00214

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E190) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.024
RDBF =	-10.473	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 190/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.698	-6.050	12.05000	.60860	-.01950	.59920	.10800	5.54600	-.00870	.11380	.01590	-.01070
.698	-4.030	12.06000	.61110	-.01860	.60150	.10950	5.49200	-.01010	.07650	.01010	-.00740
.698	-3.010	12.05000	.60910	-.01800	.59940	.10960	5.47000	-.00920	.05810	.00740	-.00590
.698	-1.990	12.05000	.60490	-.01840	.59550	.10820	5.50100	-.00660	.03830	.00440	-.00430
.698	-.970	12.06000	.60370	-.01860	.59420	.10800	5.50300	-.00530	.01890	.00130	-.00240
.698	.040	12.06000	.60200	-.01840	.59250	.10780	5.49600	-.00470	-.00070	-.00160	-.00020
.698	1.050	12.05000	.60160	-.01900	.59240	.10710	5.53300	-.00570	-.02160	-.00440	.00260
.698	2.080	12.06000	.60460	-.01940	.59530	.10730	5.54800	-.00780	-.04230	-.00710	.00480
.698	3.100	12.06000	.60610	-.01930	.59680	.10780	5.53800	-.01070	-.06150	-.00980	.00660
.698	4.130	12.04000	.60520	-.01890	.59580	.10780	5.52800	-.01170	-.08070	-.01280	.00800
.698	6.200	12.04000	.60670	-.02070	.59760	.10630	5.62300	-.01300	-.11780	-.01860	.00970
.698	8.260	12.02000	.60770	-.02140	.59880	.10560	5.67100	-.01590	-.15460	-.02150	.01250
	GRADIENT	-.00066	-.00058	-.00012	-.00054	-.00024	.00772	-.00023	-.01946	-.00281	.00200

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E191) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.036	RDA =	-.024
RDBF =	-10.494	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 191/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-2.000	-.03000	-.10360	.01900	-.10290	.02260	-4.55800	-.00260	-.00080	-.00100	.00040
.598	-.010	-.01000	-.01040	.02060	-.01040	.02060	-.50600	-.00240	.00030	-.00100	-.00040
.598	1.990	.00000	.08260	.01880	.08190	.02170	3.78100	-.00040	-.00010	-.00120	-.00020
.598	3.990	.00000	.17450	.01350	.17320	.02560	6.77000	.00220	.00010	-.00120	-.00030
.598	5.980	.03000	.27230	.00450	.27030	.03290	8.22800	.00180	-.00010	-.00150	-.00030
.598	8.000	.03000	.37760	-.00800	.37500	.04470	8.39700	.00080	-.00030	-.00160	-.00020
.598	10.050	.04000	.48520	-.02310	.48180	.06200	7.77300	-.00040	-.00010	-.00140	-.00040
.598	11.030	.03000	.53510	-.03180	.53130	.07120	7.46700	-.00010	-.00010	-.00130	-.00050
.598	12.060	.05000	.59250	-.03860	.58750	.08610	6.82500	.00040	-.00070	-.00130	-.00030
.598	13.050	.04000	.65340	-.04230	.64600	.10630	6.07500	-.00440	-.00110	-.00110	-.00010
.598	14.050	.04000	.70290	-.03730	.69090	.13440	5.13900	-.00760	-.00030	-.00100	-.00040
.598	15.060	.04000	.75080	-.03420	.73390	.16200	4.52900	-.01140	.00110	-.00220	-.00110
.598	16.050	.06000	.80670	-.03330	.78440	.19100	4.10600	-.01540	-.00010	-.00070	-.00050
.598	19.970	.12000	1.07760	-.03490	1.02470	.33530	3.05600	-.04640	-.00570	.00350	.00090
	GRADIENT	.00500	.04643	-.00092	.04610	.00051	1.91633	.00082	.00012	-.00004	-.00010

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E192) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.049
RDBF =	-10.494	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 192/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.597	-2.020	2.05000	-.10800	.01890	-.10730	.02270	-4.72000	-.00160	-.03550	-.00290	.00120
.597	-.040	2.08000	-.01440	.02020	-.01440	.02020	-.71200	-.00170	-.03870	-.00370	.00290
.597	1.970	2.11000	.07820	.01840	.07750	.02110	3.67200	.00030	-.03820	-.00450	.00240
.597	4.000	2.15000	.17370	.01340	.17230	.02540	6.77100	.00400	-.03870	-.00520	.00250
.597	6.070	2.18000	.27440	.00410	.27250	.03320	8.21800	.00590	-.03910	-.00580	.00260
.597	8.120	2.19000	.38370	-.00880	.38110	.04550	8.37600	.00150	-.03680	-.00630	.00200
.597	10.160	2.19000	.48870	-.02400	.48530	.06260	7.75100	-.00050	-.03930	-.00740	.00330
.597	11.140	2.19000	.53980	-.03160	.53560	.07340	7.30100	-.00050	-.04050	-.00770	.00380
.597	12.160	2.19000	.59690	-.03910	.59170	.08750	6.76200	-.00190	-.04060	-.00720	.00380
.597	13.150	2.20000	.66060	-.04020	.65250	.11110	5.87300	-.00570	-.03990	-.00730	.00340
.597	14.140	2.21000	.70500	-.03590	.69250	.13740	5.04000	-.01000	-.04160	-.00700	.00370
.597	15.120	2.22000	.75560	-.03630	.73890	.16210	4.56000	-.01160	-.04070	-.00680	.00330
.597	16.120	2.23000	.81010	-.03350	.78750	.19270	4.08600	-.01780	-.04230	-.00550	.00380
	20.010	2.27000	1.07540	-.03550	1.02260	.33470	3.05600	-.04450	-.05010	-.00180	.00610
	GRADIENT	.01645	.04672	-.00092	.04637	.00045	1.93549	.00094	-.00045	-.00038	.00017

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E193) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.024	RDA =	.053
RDBF =	-10.493	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 193/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.070	.16000	.00080	.01730	.00080	.01730	.04400	-.00130	.11110	.00680	-.00830
.598	-4.030	.14000	-.00130	.01920	-.00140	.01920	-.07100	-.00150	.07330	.00400	-.00500
.598	-3.010	.14000	-.00190	.02000	-.00200	.02000	-.10000	-.00070	.05450	.00260	-.00340
.598	-1.980	.13000	-.00300	.02040	-.00300	.02040	-.15000	-.00090	.03700	.00150	-.00250
.598	-.950	.13000	-.00430	.02080	-.00430	.02080	-.20800	-.00160	.01680	.00030	-.00030
.598	.070	.14000	-.00470	.02060	-.00480	.02060	-.23100	-.00160	.00030	-.00090	-.00020
.598	1.100	.16000	-.00590	.02050	-.00600	.02050	-.29100	-.00110	-.01780	-.00220	.00080
.598	2.130	.17000	-.00600	.02010	-.00600	.02010	-.30000	-.00130	-.03810	-.00360	.00280
.598	3.150	.17000	-.00660	.01970	-.00670	.01970	-.34100	-.00140	-.05490	-.00450	.00310
.598	4.170	.17000	-.00550	.01900	-.00560	.01890	-.29600	-.00310	-.07360	-.00540	.00460
.598	6.200	.18000	-.00110	.01680	-.00120	.01683	-.07000	-.00460	-.11240	-.00720	.00760
.598	8.220	.19000	.00120	.01330	.00110	.01330	.08600	-.00670	-.15250	-.00840	.01150
	GRADIENT	.00520	-.00063	-.00004	-.00063	-.00005	-.03260	-.00014	-.01788	-.00116	.00113

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E194) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.013
RD8F =	-10.490	ALPHA =	5.000
ELEVON =	.000	SPD8RK =	7.500
8DFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 194/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.598	-6.000	5.12000	.23760	.00560	.23620	.02680	8.81300	.00110	.11070	.01030	-.00890
.598	-3.970	5.11000	.23540	.00690	.23390	.02790	8.39300	.00190	.07470	.00620	-.00570
.598	-2.960	5.10000	.23430	.00740	.23270	.02820	8.24400	.00150	.05690	.00430	-.00480
.598	-1.930	5.11000	.22890	.00900	.22720	.02930	7.74200	.00650	.03740	.00230	-.00320
.598	-.890	5.12000	.23140	.00900	.22970	.02960	7.75700	.00350	.01560	.00040	-.00040
.598	.080	5.15000	.23100	.00870	.22930	.02940	7.80100	.00280	.00040	-.00140	-.00020
.598	1.070	5.15000	.22890	.00870	.22720	.02920	7.77300	.00240	-.01840	-.00330	.00130
.598	2.080	5.14000	.22430	.00890	.22260	.02900	7.67400	.00500	-.03690	-.00520	.00250
.598	3.100	5.14000	22890	.00760	.22730	.02810	8.10100	.00010	-.05760	-.00720	.00490
.598	4.110	5.13000	.22900	.00680	.22750	.02720	8.35000	-.00110	-.07690	-.00880	.00600
.598	6.170	5.13000	.22910	.00580	.22770	.02620	8.68000	.00060	-.11290	-.01180	.00770
.598	8.200	5.14000	.23510	.00380	.23380	.02490	9.40200	-.00220	-.14990	-.01510	.01040
	GRADIENT	.00479	-.00088	-.00000	-.00088	-.00007	-.01215	-.00033	-.01873	-.00187	.00147

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E195) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	-.020
RDBF =	-10.488	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 195/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-5.980	10.09000	.49190	-.02500	.48870	.06150	7.94400	-.00070	.10740	.01530	-.00890
.599	-3.980	10.10000	.49130	-.02490	.48810	.06160	7.92000	.00000	.07460	.00990	-.00710
.599	-2.970	10.09000	.49230	-.02460	.48900	.06210	7.88000	-.00180	.05550	.00690	-.00540
.599	-1.960	10.07000	.48900	-.02390	.48560	.06200	7.83500	-.00090	.03700	.00410	-.00380
.599	-.950	10.07000	.48850	-.02370	.48510	.06220	7.80400	-.00030	.01820	.00130	-.00210
.599	.040	10.08000	.48580	-.02340	.48240	.06200	7.78200	.00030	-.00090	-.00140	-.00030
.599	1.040	10.06000	.48210	-.02300	.47870	.06160	7.77200	.00040	-.01930	-.00430	.00150
.599	2.070	10.09000	.48400	-.02340	.48060	.06180	7.77600	-.00090	-.03870	-.00730	.00350
.599	3.090	10.10000	.48370	-.02360	.48030	.06160	7.80300	-.00290	-.05810	-.01000	.00540
.599	4.120	10.11000	.48340	-.02450	.48020	.06070	7.91300	-.00240	-.07770	-.01250	.00700
.599	6.190	10.11000	.48650	-.02480	.48330	.06100	7.92900	-.00290	-.11340	-.01740	.00810
.599	8.220	10.09000	.48860	-.02680	.48570	.05920	8.19900	-.00680	-.15370	-.02270	.01310
	GRADIENT	.00167	-.00121	.00010	-.00122	-.00010	-.00666	-.00020	-.01878	-.00278	.00176

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E196) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	-.011
RDBF =	-10.484	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 196/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-6.000	12.08000	.60480	-.03980	.59980	.08760	6.84800	-.00530	.10770	.01610	-.00880
.599	-4.000	12.10000	.60310	-.03960	.59800	.08780	6.81300	-.00450	.07320	.01050	-.00630
.599	-2.990	12.10000	.60230	-.04390	.59810	.08340	7.17500	-.00380	.05500	.00730	-.00500
.599	-1.970	12.09000	.59740	-.03880	.59230	.08720	6.79000	-.00110	.03670	.00440	-.00370
.599	-.960	12.10000	.59370	-.03860	.58860	.08670	6.78600	.00020	.01750	.00170	-.00180
.599	.050	12.11000	.59270	-.03870	.58760	.08650	6.79700	.00100	-.00140	-.00120	.00000
.599	1.070	12.10000	.59070	-.03870	.58560	.08590	6.81600	.00000	-.02110	-.00420	.00230
.599	2.090	12.10000	.59210	-.03860	.58710	.08630	6.80100	-.00170	-.03990	-.00730	.00390
.599	3.110	12.10000	.59510	-.03860	.59000	.08700	6.77800	-.00430	-.05870	-.01000	.00540
.599	4.140	12.10000	.59640	-.03890	.59130	.08700	6.79700	-.00560	-.07710	-.01280	.00670
.599	6.190	12.10000	.59590	-.03920	.59080	.08660	6.82100	-.00670	-.11240	-.01780	.00770
.599	8.250	12.09000	.59940	-.03970	.59440	.08670	6.85400	-.01060	-.15030	-.02390	.01130
	GRADIENT	.00033	-.00101	.00031	-.00105	.00008	-.01972	-.00012	-.01859	-.00286	.00168

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E197) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.025
RDBF =	-10.511	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 197/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-2.020	.00000	-.09960	.01790	-.09890	.02140	-4.62500	-.00410	-.00060	-.00090	-.00020
.398	-.050	.00000	-.01050	.01950	-.01050	.01950	-.53900	-.00310	-.00100	-.00110	-.00010
.398	1.990	.00000	.08010	.01380	.07960	.01660	4.79200	-.00070	-.00090	-.00110	-.00030
.398	4.000	.00000	.17050	.01210	.16920	.02390	7.06800	.00340	-.00050	-.00120	-.00030
.398	5.970	.03000	.26270	.00310	.26090	.03040	8.57600	.00400	-.00140	-.00140	-.00020
.398	8.040	.03000	.36130	-.00960	.35910	.04100	8.75300	.00280	-.00120	-.00160	-.00030
.398	10.000	.05000	.45910	-.02400	.45630	.05610	8.13800	.00290	-.00160	-.00150	-.00020
.398	11.030	.05000	.50800	-.03220	.50470	.06560	7.69700	.00350	-.00170	-.00140	-.00020
.398	12.030	.06000	.55800	-.04010	.55410	.07710	7.18200	.00390	-.00160	-.00160	-.00030
.398	13.050	.05000	.61050	-.04820	.60570	.09090	6.66400	.00360	-.00120	-.00150	-.00020
.398	14.040	.06000	.66450	-.05680	.65840	.10610	6.20600	.00190	-.00190	-.00130	.00000
.398	15.050	.06000	.72070	-.06510	.71290	.12430	5.73500	-.00050	-.00210	-.00130	.00000
.398	16.020	.07000	.78260	-.07310	.77230	.14570	5.30000	-.00570	-.00350	-.00150	.00040
.398	19.930	.13000	.98530	-.07190	.95080	.26830	3.54400	-.01450	-.00320	-.00070	.00010
	GRADIENT	.00000	.04482	-.00115	.04450	.00023	2.01053	.00124	.00002	-.00004	-.00003

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E198) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.014	RDA =	.024
RDBF =	-10.514	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 198/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-2.050	2.05000	-.10260	.01720	- 10190	.02090	-4.88400	-.00440	-.03710	-.00310	.00210
.398	-.060	2.09000	-.01310	.01890	-.01310	.01890	-.69300	-.00310	-.03650	-.00380	.00160
.398	1.900	2.10000	.07520	.01720	.07460	.01970	3.79000	-.00100	-.03640	-.00430	.00130
.398	3.910	2.15000	.16640	.01180	.16520	.02310	7.14400	.00240	-.03800	-.00530	.00180
.398	6.040	2.17000	.26560	.00240	.26390	.03030	8.69600	.00480	-.03790	-.00570	.00190
.398	8.090	2.20000	.36330	-.01030	.36110	.04090	8.82700	.00310	-.03790	-.00630	.00230
.398	10.080	2.18000	.46230	-.02490	.45950	.05640	8.14400	.00180	-.03830	-.00740	.00280
.398	11.100	2.18000	.51250	-.03300	.50930	.06630	7.68400	.00200	-.03890	-.00790	.00310
.398	12.090	2.19000	.56130	-.04100	.55740	.07750	7.19100	.00230	-.03910	-.00790	.00320
.398	13.070	2.19000	.61060	-.04870	.60580	.09070	6.68200	.00170	-.04010	-.00800	.00360
.398	14.080	2.20000	.66390	-.05350	.65700	.10960	5.99500	.00040	-.04080	-.00780	.00380
.398	15.070	2.22000	.72180	-.06070	.71270	.12900	5.52500	-.00200	-.04210	-.00760	.00400
.398	16.050	2.22000	.77990	-.07260	.76960	.14580	5.27700	-.00590	-.04260	-.00710	.00410
.398	19.980	2.28000	.98580	-.07230	.95120	.26900	3.53600	-.01360	-.04380	-.00720	.00380
	GRADIENT	.01564	.04513	-.00090	.04481	.00037	2.04416	.00113	-.00013	-.00036	-.00006

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E199) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.022	RDA =	.013
RDBF =	-10.519	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 199/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.090	.11000	-.00170	.01520	-.00180	.01520	-.11600	-.00430	.10640	.00610	-.00790
.399	-4.080	.05000	-.00500	.01720	-.00510	.01720	-.29500	-.00380	.07170	.00350	-.00530
.399	-3.080	.03000	-.00700	.01810	-.00700	.01810	-.38900	-.00340	.05330	.00220	-.00410
.399	-2.050	.02000	-.00880	.01880	-.00880	.01880	-.47000	-.00290	.03460	.00100	-.00230
.399	-1.030	-.02000	-.01190	.01950	-.01190	.01950	-.60800	-.00270	.01500	-.00010	-.00020
.399	-.010	.00000	-.01090	.01940	-.01090	.01940	-.56300	-.00240	-.00040	-.00130	-.00020
.399	1.020	.01000	-.01250	.01930	-.01250	.01930	-.64700	-.00240	-.01780	-.00250	.00030
.399	2.050	.00000	-.01100	.01880	-.01100	.01880	-.58500	-.00290	-.03620	-.00360	.00160
.399	3.060	.01000	-.01120	.01790	-.01120	.01790	-.62300	-.00420	-.05590	-.00470	.00350
.399	4.070	.00000	-.01070	.01700	-.01070	.01700	-.63000	-.00600	-.07380	-.00560	.00460
.399	6.090	.00000	-.00570	.01510	-.00570	.01510	-.37700	-.00630	-.10990	-.00730	.00670
.399	8.130	-.01000	-.00280	.01220	-.00280	.01220	-.23200	-.00820	-.14560	-.00910	.00940
	GRADIENT	-.00440	-.00066	-.00003	-.00065	-.00003	-.03771	-.00018	-.01769	-.00112	.00115

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E200) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.028
RDBF =	-10.522	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 200/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.020	5.10000	.22640	.00280	.22530	.02300	9.81500	-.00070	.10640	.00950	-.00770
.399	-4.030	5.11000	.22520	.00480	.22390	.02490	9.00100	.00100	.07170	.00560	-.00500
.399	-3.010	5.11000	.22390	.00580	.22250	.02570	8.66000	.00180	.05380	.00370	-.00380
.399	-2.010	5.11000	.21860	.00730	.21700	.02670	8.13400	.00590	.03600	.00200	-.00270
.399	-1.010	5.10000	.21850	.00720	.21700	.02660	8.15400	.00380	.01790	.00030	-.00160
.399	.000	4.94000	.21050	.00830	.20900	.02640	7.91800	.00490	.00000	-.00140	-.00030
.399	1.110	4.95000	.21320	.00800	.21170	.02630	8.03500	.00330	-.01970	-.00360	.00070
.399	2.130	4.95000	.21350	.00780	.21200	.02620	8.08300	.00470	-.03730	-.00530	.00190
.399	3.140	4.95000	.21640	.00650	.21510	.02520	8.54300	.00070	-.05620	-.00700	.00360
.399	4.170	4.95000	.21750	.00560	.21620	.02430	8.89200	-.00150	-.07530	-.00850	.00510
.399	6.200	4.94000	.21740	.00380	.21630	.02250	9.61700	-.00160	-.11210	-.01120	.00720
.399	8.210	4.92000	.22380	.00200	.22280	.02120	10.52000	-.00280	-.14680	-.01480	.00920
	GRADIENT	-.02578	-.00111	.00011	-.00110	-.00009	-.01565	-.00027	-.01788	-.00174	.00120

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E201) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	-.001
RDBF =	-10.522	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 201/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.398	-5.940	9.98000	.46390	-.03730	.46330	.04370	10.60000	-.00010	.10260	.01400	-.00760
.398	-3.950	9.99000	.46350	-.02590	.46100	.05490	8.40300	.00280	.06910	.00860	-.00540
.398	-2.950	9.98000	.46150	-.02540	.45890	.05500	8.34200	.00240	.05230	.00610	-.00440
.398	-1.940	9.97000	.46100	-.03060	.45930	.04970	9.23300	.00240	.03480	.00350	-.00320
.398	-.950	9.94000	.45660	-.02420	.45390	.05500	8.25000	.00350	.01690	.00100	-.00190
.398	.040	9.97000	.45630	-.02400	.45350	.05540	8.18700	.00370	-.00120	-.00160	-.00030
.398	1.030	9.94000	.45230	-.02370	.44960	.05480	8.20500	.00340	-.01950	-.00420	.00140
.398	2.060	9.98000	.45450	-.02400	.45180	.05510	8.19500	.00200	-.03750	-.00720	.00280
.398	3.070	10.00000	.45490	-.02320	.45200	.05610	8.05800	.00140	-.05440	-.00960	.00400
.398	4.060	9.99000	.45280	-.02520	.45030	.05380	8.37400	.00040	-.07310	-.01190	.00530
.398	6.110	10.00000	.46040	-.02770	.45820	.05270	8.69900	-.00190	-.11050	-.01650	.00730
.398	8.140	10.00000	.46190	-.02960	.46000	.05110	9.00500	-.00490	-.14930	-.02140	.01130
	GRADIENT	.00135	-.00133	.00038	-.00138	.00016	-.05125	-.00023	-.01781	-.00259	.00139

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E202) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	.010
RDBF =	-10.525	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 202/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.397	-5.970	11.98000	.56680	-.04410	.56360	.07450	7.56700	-.00080	.10310	.01570	-.00810
.397	-3.970	11.99000	.56080	-.04210	.55730	.07530	7.40500	.00260	.06970	.01000	-.00550
.397	-2.960	11.97000	.55870	-.04110	.55500	.07570	7.33600	.00270	.05220	.00720	-.00440
.397	-1.950	11.95000	.55850	-.04060	.55480	.07590	7.30900	.00360	.03450	.00430	-.00330
.397	-.940	11.97000	.55390	-.04010	.55020	.07570	7.27200	.00490	.01690	.00140	-.00200
.397	.050	11.96000	.55270	-.03980	.54890	.07560	7 25700	.00510	-.00130	-.00160	-.00020
.397	1.060	11.96000	.55190	-.03970	.54810	.07550	7.25800	.00430	-.02060	-.00470	.00180
.397	2.080	11.97000	.55170	-.03980	.54800	.07550	7.26200	.00260	-.03860	-.00770	.00320
.397	3.090	11.97000	.55120	-.04000	.54750	.07520	7.28400	.00170	-.05600	-.01050	.00440
.397	4.090	11.96000	.55140	-.04090	.54790	.07430	7.37800	-.00010	-.07360	-.01310	.00560
.397	6.160	11.97000	.56020	-.03740	.55570	.07960	6.97900	-.00380	-.11030	-.01780	.00720
.397	8.200	11.95000	.56010	-.04410	.55710	.07290	7.64000	-.00740	-.14820	-.02420	.01040
	GRADIENT	-.00149	-.00125	.00017	-.00125	-.00011	-.00615	-.00027	-.01789	-.00290	.00145

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E203) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.017
RDBF =	-10.514	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 203/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-6.090	5.13000	.23440	.00430	.23310	.02530	9.22500	.00060	.11060	.01040	-.00830
.600	-4.070	5.10000	.23140	.00590	.23000	.02640	8.69600	.00160	.07460	.00640	-.00560
.600	-3.050	5.10000	.23100	.00670	.22950	.02720	8.45000	.00170	.05680	.00450	-.00460
.600	-2.040	5.09000	.22450	.00820	.22290	.02810	7.92900	.00640	.03790	.00260	-.00300
.600	-1.030	5.06000	.22650	.00800	.22490	.02800	8.03500	.00260	.01960	.00090	-.00170
.600	.000	4.94000	.21920	.00890	.21760	.02770	7.84900	.00350	-.00080	-.00110	-.00020
.600	1.100	4.96000	.22340	.00840	.22180	.02770	8.00300	.00240	-.02140	-.00340	.00160
.600	2.160	4.96000	.21940	.00870	.21780	.02760	7.88400	.00540	-.03950	-.00520	.00270
.600	3.160	4.96000	.22490	.00720	.22340	.02660	8.40500	-.00010	-.06000	-.00710	.00510
.600	4.190	4.96000	.22440	.00650	.22300	.02590	8.61400	-.00070	-.07780	-.00860	.00610
.600	6.260	4.95000	.22760	.00500	.22630	.02460	9.18800	-.00020	-.11610	-.01170	.00800
.600	8.290	4.93000	.23110	.00310	.23000	.02300	10.00000	-.00310	-.15220	-.01500	.01040
	GRADIENT	-.02152	-.00095	.00008	-.00095	-.00008	-.00897	-.00027	-.01858	-.00184	.00146

ARC 213-1-11 LA89 OV 101 WITH T/C (R2E204) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.017	RDA =	-.012
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 204/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.701	-6.110	5.12000	.24040	.00680	.23890	.02820	8.46700	.00100	.11580	.01120	-.01040
.701	-4.100	5.09000	.23770	.00870	.23600	.02980	7.93100	.00270	.07830	.00700	-.00670
.701	-3.060	5.09000	.23630	.00900	.23460	.02990	7.83900	.00240	.05870	.00470	-.00540
.701	-2.040	5.09000	.23100	.00340	.22980	.02390	9.63100	.00640	.03960	.00280	-.00350
.701	-1.030	5.07000	.23050	.01060	.22870	.03090	7.40100	.00380	.01810	.00070	-.00010
.701	.000	4.95000	.22650	.01080	.22480	.03030	7.42100	.00350	-.00270	-.00140	.00080
.701	1.080	4.97000	.22900	.01070	.22720	.03050	7.43800	.00390	-.02040	-.00350	.00090
.701	2.160	4.96000	.22530	.01120	.22350	.03060	7.29500	.00780	-.04120	-.00550	.00330
.701	3.140	4.96000	.22920	.00980	.22750	.02960	7.69600	.00280	-.06010	-.00730	.00490
.701	4.210	4.96000	.22960	.00940	.22800	.02920	7.80300	.00120	-.07960	-.00890	.00620
.701	6.280	4.95000	.23270	.00770	.23120	.02770	8.33300	.00010	-.12070	-.01210	.00960
	8.320	4.93000	.23620	.00630	.23480	.02660	8.83400	-.00290	-.15530	-.01480	.01100
	GRADIENT	-.02035	-.00107	.00033	-.00108	.00016	-.08930	-.00003	-.01905	-.00193	.00156

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E205) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.016
RDBF =	-11.886	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 205/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-1.940	.00000	-.13870	.05450	-.13680	.05910	-2.31400	.03620	-.00140	-.00070	.00030
.399	.080	.00000	-.04690	.05640	-.04700	.05630	-.83400	.03600	-.00130	-.00070	.00020
.399	2.050	.00000	.04180	.05420	.03980	.05560	.71600	.03570	-.00190	-.00090	.00030
.399	4.040	.00000	.13390	.04870	.13020	.05800	2.24400	.03600	-.00130	-.00110	.00020
.399	6.010	.03000	.22720	.03940	.22180	.06300	3.52000	.03530	-.00180	-.00120	.00030
.399	8.070	.03000	.32840	.02640	.32150	.07220	4.44900	.03380	-.00170	-.00120	.00030
.399	10.070	.04000	.42830	.01160	.41970	.08630	4.86500	.03380	-.00200	-.00120	.00040
.399	11.090	.04000	.47700	.00360	.46740	.09520	4.90900	.03460	-.00180	-.00120	.00040
.399	12.090	.05000	.52440	-.00430	.51360	.10560	4.86500	.03450	-.00210	-.00120	.00050
.399	13.120	.06000	.57660	-.01260	.56440	.11860	4.75900	.03430	-.00310	-.00130	.00060
.399	14.110	.05000	.63170	-.02080	.61770	.13390	4.61500	.03350	-.00310	-.00120	.00070
.399	15.100	.06000	.68700	-.02870	.67080	.15120	4.43600	.03170	-.00330	-.00140	.00080
.399	16.110	.07000	.75030	-.03660	.73090	.17300	4.22400	.02750	-.00430	-.00130	.00120
.399	20.060	.14000	.95480	-.03210	.90790	.29730	3.05400	.02660	-.00520	.00010	.00150
	GRADIENT	.00000	.04553	-.00098	.04459	-.00020	.76459	-.00005	-.00001	-.00007	-.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E206) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.008	RDA =	-.004
RDBF =	-11.919	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 206/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-6.020	5.24000	.19760	.03930	.19320	.05720	3.38000	.03030	.10590	.00850	-.00890
.399	-4.020	5.24000	.19470	.04110	.19020	.05870	3.23700	.03260	.07110	.00520	-.00570
.399	-3.010	5.23000	.19250	.04210	.18780	.05950	3.15700	.03320	.05330	.00360	-.00410
.399	-2.010	5.24000	.19320	.04270	.18850	.06010	3.13600	.03350	.03550	.00160	-.00270
.399	-1.010	5.23000	.19170	.04330	.18700	.06060	3.08500	.03420	.01800	.00040	-.00130
.399	-.010	5.04000	.18020	.04460	.17560	.06030	2.91300	.03450	-.00070	-.00130	.00020
.399	1.160	5.08000	.18530	.04410	.18060	.06030	2.99600	.03450	-.02070	-.00300	.00160
.399	2.150	5.11000	.18620	.04360	.18160	.06000	3.02600	.03330	-.03810	-.00440	.00290
.399	3.140	5.13000	.18860	.04270	.18400	.05940	3.09600	.03190	-.05590	-.00570	.00460
.399	4.170	5.12000	.18830	.04170	.18390	.05840	3.15000	.02970	-.07490	-.00690	.00640
.399	6.190	5.11000	.19320	.03970	.18890	.05673	3.33000	.02820	-.11390	-.00960	.00990
.399	8.220	5.09000	.19620	.03830	.19200	.05550	3.45700	.02560	-.15260	-.01310	.01390
	GRADIENT	-.01927	-.00093	.00011	-.00092	-.00003	-.01347	-.00025	-.01779	-.00149	.00144

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E207) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.038	RDA =	-.026
RDBF =	-11.921	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 207/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.399	-5.940	10.13000	.44200	.00790	.43370	.08540	5.07600	.02880	.10270	.01280	-.00860
.399	-3.950	10.14000	.43710	.00870	.42870	.08550	5.01200	.03090	.06670	.00790	-.00510
.399	-2.950	10.12000	.43490	.00980	.42640	.08610	4.95200	.03110	.04940	.00540	-.00360
.399	-1.940	10.12000	.43230	.01070	.42370	.08640	4.90200	.03190	.03250	.00300	-.00230
.399	-.940	10.11000	.42910	.01090	.42050	.08610	4.88700	.03230	.01450	.00090	-.00080
.399	.050	10.11000	.42960	.01130	.42090	.08660	4.86200	.03290	-.00140	-.00150	.00030
.399	1.040	10.10000	.42690	.01160	.41820	.08620	4.85000	.03260	-.01800	-.00400	.00150
.399	2.050	10.11000	.42580	.01130	.41720	.08590	4.85500	.03170	-.03570	-.00630	.00290
.399	3.060	10.13000	.42600	.01080	.41740	.08560	4.87600	.03060	-.05300	-.00850	.00420
.399	4.100	10.14000	.42540	.00980	.41700	.08450	4.93400	.02880	-.07300	-.01060	.00630
.399	6.130	10.14000	.43110	.00870	.42280	.08450	5.00300	.02710	-.11240	-.01470	.00940
.399	8.170	10.13000	.43260	.00810	.42440	.08410	5.04600	.02430	-.14920	-.01930	.01350
	GRADIENT	.00002	-.00147	.00015	-.00148	-.00011	-.01109	-.00017	-.01720	-.00231	.00136

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E208) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.021
RDBF =	-11.994	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 208/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-1.940	.00000	-.14740	.05610	-.14540	.06110	-2.38000	.04000	-.00120	-.00070	.00020
.600	.100	.00000	-.05070	.05770	-.05080	.05760	-.88200	.03920	-.00120	-.00080	.00020
.600	2.110	.00000	.04530	.05540	.04320	.05710	.75800	.03820	-.00080	-.00090	.00020
.600	4.100	.01000	.14080	.04960	.13690	.05960	2.29800	.03770	-.00170	-.00100	.00030
.600	6.070	.04000	.23890	.03140	.23420	.05650	4.14500	.03540	-.00210	-.00120	.00030
.600	8.140	.03000	.34690	.02660	.33970	.07550	4.50000	.03330	-.00190	-.00120	.00030
.600	10.140	.03000	.45170	.00630	.44350	.08570	5.17300	.03310	-.00250	-.00100	.00040
.600	11.130	.04000	.50330	.00440	.49300	.10150	4.85700	.03370	-.00230	-.00070	.00050
.600	12.150	.04000	.55790	-.00330	.54610	.11420	4.78200	.03360	-.00310	-.00080	.00070
.600	13.150	.05000	.62140	-.00800	.60690	.13360	4.54400	.02980	-.00310	-.00050	.00070
.600	14.150	.04000	.67230	-.00360	.65280	.16090	4.05700	.02680	-.00260	-.00100	.00060
.600	15.180	.04000	.72060	-.00160	.69590	.18710	3.71900	.02540	-.00210	-.00140	.00030
.600	16.160	.05000	.77030	.00040	.73970	.21480	3.44300	.02450	-.00260	-.00120	.00040
.600	18.170	.07000	.88580	.00510	.84000	.28120	2.98800	.01580	-.00490	.00180	.00080
.600	20.110	.10000	1.02910	.00170	.96580	.35530	2.71800	.00280	-.00790	.00510	.00180
	GRADIENT	.00148	.04772	-.00108	.04674	-.00025	.77858	-.00039	-.00005	-.00005	.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E209) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.050
RDBF =	-11.811	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 209/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-6.070	5.28000	.20620	.04060	.20160	.05940	3.39100	.03130	.11260	.00970	-.01080
.600	-4.070	5.26000	.20200	.04220	.19730	.06050	3.26000	.03340	.07570	.00580	-.00670
.600	-3.050	5.26000	.20100	.04320	.19620	.06140	3.19400	.03420	.05610	.00380	-.00480
.600	-2.030	5.26000	.19830	.04410	.19340	.06210	3.11500	.03520	.03710	.00220	-.00300
.600	-1.010	5.25000	.19630	.04440	.19140	.06220	3.07900	.03620	.01860	.00090	-.00130
.600	-.010	5.10000	.18950	.04530	.18480	.06200	2.98200	.03660	-.00100	-.00070	.00030
.600	1.150	5.09000	.19070	.04490	.18600	.06170	3.01500	.03620	-.02190	-.00260	.00190
.600	2.140	5.12000	.19260	.04440	.18780	.06150	3.05700	.03550	-.04040	-.00430	.00350
.600	3.160	5.12000	.19390	.04350	.18920	.06070	3.11900	.03400	-.05950	-.00570	.00540
.600	4.200	5.12000	.19560	.04260	.19100	.05990	3.19100	.03200	-.07970	-.00700	.00750
.600	6.250	5.11000	.19970	.04050	.19530	.05810	3.35800	.02970	-.12040	-.01010	.01150
.600	8.300	5.10000	.20460	.03910	.20030	.05720	3.50400	.02730	-.15970	-.01350	.01580
	GRADIENT	-.02284	-.00102	.00006	-.00101	-.00010	-.01084	-.00009	-.01871	-.00155	.00166

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E210) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.003	RDA =	.035
RDBF =	-11.804	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 210/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-6.010	10.16000	.46200	.00910	.45310	.09040	5.01000	.02780	.10630	.01460	-.01000
.601	-4.000	10.17000	.46000	.00960	.45110	.09070	4.97500	.03010	.06930	.00910	-.00560
.601	-2.990	10.15000	.45850	.01070	.44940	.09130	4.92200	.03090	.05070	.00640	-.00390
.601	-1.980	10.14000	.45700	.01120	.44790	.09140	4.89800	.03170	.03410	.00410	-.00250
.601	-.970	10.16000	.45460	.01170	.44540	.09170	4.85600	.03230	.01570	.00160	-.00090
.601	.030	10.18000	.45340	.01180	.44420	.09170	4.84500	.03290	-.00220	-.00080	.00040
.601	1.030	10.14000	.45190	.01160	.44280	.09110	4.86300	.03290	-.02010	-.00320	.00190
.601	2.060	10.18000	.45350	.01140	.44430	.09140	4.86300	.03210	-.03860	-.00600	.00350
.601	3.090	10.20000	.45440	.01100	.44520	.09130	4.87900	.03040	-.05670	-.00830	.00490
.601	4.130	10.22000	.45610	.00990	.44710	.09060	4.93500	.02840	-.07610	-.01070	.00710
.601	6.200	10.21000	.45920	.00900	.45040	.09020	4.99100	.02610	-.11640	-.01550	.01090
.601	8.240	10.21000	.46060	.00920	.45170	.09060	4.98300	.02390	-.15500	-.02030	.01490
	GRADIENT	.00677	-.00061	.00004	-.00063	-.00002	-.00572	-.00012	-.01783	-.00244	.00151

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E211) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.013 RDA = .028
RDBF = -.011 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500
GRIT = 1.000

RUN NO. 211/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-1.920	.00000	-.12300	.05020	-.12120	.05430	-2.23400	.02260	-.00130	-.00050	.00030
.601	.040	.00000	-.03050	.05170	-.03050	.05170	-.59000	.02140	-.00130	-.00050	.00030
.601	2.080	.00000	.06630	.04950	.06440	.05180	1.24300	.02000	-.00110	-.00050	.00030
.601	4.150	.01000	.16700	.04310	.16340	.05510	2.96600	.01880	-.00170	-.00080	.00030
.601	6.080	.03000	.26330	.03400	.25820	.06180	4.18100	.01660	-.00200	-.00080	.00040
.601	8.100	.02000	.36780	.02120	.36110	.07280	4.96000	.01380	-.00160	-.00090	.00040
.601	10.150	.03000	.47570	.00670	.46700	.09040	5.16400	.01360	-.00240	-.00080	.00050
.601	11.110	.03000	.52680	-.00050	.51710	.10100	5.12000	.01390	-.00280	-.00060	.00060
.601	12.170	.03000	.58400	-.00800	.57260	.11520	4.97000	.01360	-.00270	-.00050	.00090
.601	13.160	.05000	.64640	-.01190	.63220	.13560	4.66000	.00960	-.00300	-.00030	.00080
.601	14.140	.05000	.69230	-.00690	.67300	.16240	4.14500	.00770	-.00260	-.00070	.00070
.601	15.130	.04000	.74200	-.00490	.71750	.18900	3.79700	.00670	-.00220	-.00090	.00040
.601	16.140	.05000	.79520	-.00230	.76450	.21880	3.49300	.00450	-.00200	-.00120	.00040
.601	20.110	.12000	1.06130	.00110	.99620	.36580	2.72300	-.01940	-.00780	.00450	.00170
	GRADIENT	.00149	.04775	-.00117	.04685	.00013	.86090	-.00063	-.00005	-.00004	-.00000

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E212) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.015
RDBF =	-.020	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500
GRIT =	1.000		

RUN NO. 212/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-6.010	10.14000	.48580	.00560	.47730	.09100	5.24300	.00840	.10810	.01520	-.01050
.601	-4.000	10.15000	.48250	.00520	.47410	.09020	5.25800	.01120	.07050	.00950	-.00600
.601	-2.990	10.15000	.48120	.00580	.47270	.09050	5.22500	.01190	.05250	.00660	-.00420
.601	-1.980	10.12000	.47880	.00610	.47030	.09010	5.22000	.01320	.03380	.00420	-.00260
.601	-.970	10.13000	.47760	.00620	.46910	.09020	5.20300	.01410	.01470	.00160	-.00080
.601	.030	10.15000	.47560	.00170	.46790	.08540	5.47600	.01410	-.00250	-.00070	.00050
.601	1.040	10.13000	.47170	.00670	.46320	.08960	5.16900	.01420	-.02060	-.00320	.00210
.601	2.080	10.17000	.47350	.00670	.46480	.09010	5.15600	.01310	-.03940	-.00590	.00380
.601	3.090	10.17000	.47470	.00680	.46600	.09050	5.15200	.01130	-.05780	-.00820	.00550
.601	4.120	10.18000	.47870	.00590	.47020	.09040	5.20000	.00900	-.07780	-.01060	.00760
.601	6.190	10.18000	.48200	.00570	.47340	.09080	5.21200	.00660	-.11800	-.01560	.01140
.601	8.250	10.18000	.48680	.00560	.47810	.09160	5.22000	.00440	-.15660	-.02040	.01550
	GRADIENT	.00462	-.00084	.00012	-.00086	.00000	-.01013	-.00018	-.01817	-.00246	.00163

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E213) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.019
RDBF =	-11.906	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 213/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.702	-1.920	.00000	-.15300	.05790	-.15100	.06300	-2.39700	.04370	-.00150	-.00070	.00030
.702	.130	.00000	-.05210	.05930	-.05230	.05920	-.88300	.04220	-.00180	-.00080	.00030
.702	2.090	.01000	.04430	.05710	.04220	.05870	.71900	.04090	-.00230	-.00080	.00040
.702	4.100	.01000	.14410	.05110	.14000	.06130	2.28600	.03910	-.00180	-.00090	.00040
.702	6.110	.04000	.24890	.04140	.24310	.06760	3.59600	.03630	-.00230	-.00120	.00030
.702	8.160	.03000	.36480	.02880	.35700	.08020	4.44900	.03270	-.00200	-.00130	.00030
.702	10.180	.03000	.47590	.01770	.46530	.10150	4.58400	.03140	-.00270	-.00090	.00060
.702	11.140	.04000	.52350	.01650	.51050	.11740	4.35000	.02990	-.00200	-.00130	.00030
.702	12.180	.04000	.57430	.01590	.55800	.13670	4.08100	.02980	-.00230	-.00120	.00040
.702	13.180	.05000	.61710	.01740	.59690	.15770	3.78600	.02970	-.00330	-.00080	.00080
.702	14.170	.04000	.66710	.01950	.64200	.18230	3.52200	.02830	-.00310	-.00100	.00070
.702	15.170	.04000	.71420	.02210	.68350	.20830	3.28200	.02500	-.00280	-.00110	.00060
.702	16.190	.05000	.77620	.02460	.73860	.24000	3.07700	.01870	-.00410	.00050	.00060
.702	20.160	.09000	1.03090	.02120	.96040	.37530	2.55900	.00700	-.00850	.00210	.00150
	GRADIENT	.00199	.04934	-.00113	.04833	-.00028	.78164	-.00075	-.00007	-.00003	.00002

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E214) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.019	RDA =	-.004
RDBF =	-11.748	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 214/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.702	-6.020	10.18000	.48540	.01550	.47500	.10100	4.70100	.02470	.11110	.01310	-.01150
.702	-4.010	10.18000	.48180	.01560	.47150	.10050	4.69000	.02730	.07150	.00800	-.00640
.702	-3.010	10.17000	.48060	.01670	.47010	.10130	4.64100	.02830	.05340	.00550	-.00460
.702	-1.990	10.15000	.47840	.01720	.46790	.10120	4.62100	.02970	.03460	.00350	-.00280
.702	-.980	10.18000	.47620	.01740	.46560	.10130	4.59500	.03070	.01590	.00130	-.00100
.702	.030	10.20000	.47480	.01770	.46410	.10140	4.57600	.03130	-.00240	-.00080	.00070
.702	1.050	10.17000	.47070	.01730	.46020	.10010	4.59600	.03140	-.02090	-.00310	.00240
.702	2.080	10.19000	.47150	.01460	.46140	.09780	4.72000	.02980	-.04030	-.00540	.00420
.702	3.120	10.22000	.47570	.01740	.46500	.10150	4.58300	.02800	-.05920	-.00730	.00600
.702	4.140	10.21000	.47670	.01660	.46620	.10080	4.62600	.02530	-.07850	-.00950	.00790
.702	6.220	10.21000	.48030	.01590	.46990	.10083	4.66000	.02330	-.12120	-.01430	.01270
.702	8.260	10.19000	.47600	.01600	.46570	.10090	4.65600	.02230	-.15880	-.01910	.01650
	GRADIENT	.00557	-.00089	.00001	-.00089	-.00010	-.00375	-.00013	-.01838	-.00214	.00174

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E215) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.000
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 215/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-11.760	10.15000	.45280	.01160	.44360	.09120	4.86700	.03260	-.00210	-.00090	.00040
.601	-6.100	10.15000	.46320	.00820	.45450	.08970	5.07000	.02420	-.00240	-.00090	.00050
.601	-3.870	10.15000	.46840	.00740	.45980	.08980	5.12000	.02060	-.00210	-.00090	.00040
.601	-1.980	10.15000	.47160	.00670	.46300	.08970	5.16300	.01700	-.00250	-.00090	.00050
.601	.010	10.15000	.47660	.00640	.46800	.09030	5.18300	.01360	-.00230	-.00090	.00050
.601	3.870	10.16000	.48900	.00670	.48020	.09290	5.17000	.00560	-.00180	-.00080	.00040
.601	8.070	10.13000	.49900	.00870	.48970	.09630	5.08600	-.00350	-.00220	-.00090	.00040
.601	16.450	10.14000	.52820	.01500	.51730	.10770	4.80400	-.02270	-.00120	-.00070	.00020
	GRADIENT	.00133	.00271	-.00008	.00269	.00042	.00565	-.00193	.00005	.00001	-.00000

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E216) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-10.186	RDA =	.289
ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 216/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.601	-11.650	9.88000	.23310	.02400	.22550	.06370	3.54200	.13230	-.00340	.00070	.00080
.601	-5.950	10.21000	.26420	.01860	.25670	.06510	3.94300	.12210	-.00370	.00050	.00090
.601	-3.740	10.21000	.27130	.01820	.26380	.06600	3.99800	.11820	-.00380	.00060	.00090
.601	-1.820	10.22000	.27640	.01770	.26890	.06650	4.04600	.11430	-.00380	.00050	.00090
.601	-.010	10.20000	.28050	.01800	.27290	.06740	4.04700	.11080	-.00400	.00050	.00090
.601	3.910	10.18000	.29250	.01350	.28550	.06500	4.39400	.10120	-.00320	.00060	.00080
.601	8.060	10.18000	.30780	.02190	.29910	.07590	3.94100	.09110	-.00300	.00060	.00080
.601	16.330	10.19000	.34440	.03370	.33290	.09410	3.53700	.06630	-.00340	.00060	.00110
.601	21.120	10.15000	.35870	.04110	.34590	.10360	3.33800	.05310	-.00370	.00070	.00100
	GRADIENT	-.00463	.00277	-.00062	.00283	-.00014	.05220	-.00223	.00008	.00000	-.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E217) (16 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	10.101	RDA =	-.085
ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 217/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-11.960	10.10000	.64440	.02300	.63040	.13560	4.64900	-.06710	-.00160	-.00110	.00040
.599	-6.110	10.09000	.65510	.01140	.64300	.12610	5.10100	-.07530	-.00220	-.00120	.00050
.599	-4.120	10.10000	.65870	.01830	.64530	.13350	4.83400	-.07740	-.00240	-.00130	.00050
.599	-2.070	10.09000	.66460	.01750	.65130	.13370	4.87200	-.08130	-.00210	-.00120	.00060
.599	.160	10.10000	.66710	.01720	.65370	.13390	4.88200	-.08450	-.00250	-.00120	.00050
.599	3.960	10.09000	.67600	.01690	.66260	.13510	4.90400	-.09180	-.00200	-.00130	.00050
.599	5.970	10.07000	.68100	.01750	.66740	.13630	4.89700	-.09580	-.00210	-.00120	.00050
.599	8.010	10.06000	.68450	.01820	.67080	.13750	4.87900	-.09960	-.00230	-.00140	.00050
.599	13.080	10.07000	.70270	.02150	.68810	.14410	4.77600	-.11120	-.00210	-.00110	.00050
.599	16.500	10.08000	.71410	.02430	.69830	.14890	4.69400	-.11850	-.00210	-.00120	.00050
.599	21.030	10.02000	.72930	.03010	.71290	.15650	4.55500	-.12930	-.00280	-.00110	.00060
	GRADIENT	-.00081	.00206	-.00016	.00206	.00020	.00799	-.00176	.00004	-.00000	-.00000

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E218) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 16.337 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = 16.300 RN/L = 6.500
GRIT = 1.000

RUN NO. 218/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-14.850	10.17000	.26720	.04880	.25430	.09530	2.67000	.09950	-.00250	-.00020	.00060
.600	-9.880	10.18000	.34590	.03320	.33460	.09380	3.56700	.06440	-.00250	-.00030	.00070
.600	-5.800	10.17000	.41760	.02280	.40700	.09620	4.23100	.03130	-.00120	-.00170	.00020
.600	-3.950	10.17000	.45110	.01870	.44070	.09810	4.49400	.01470	-.00080	-.00140	.00020
.600	-1.800	10.14000	.48510	.01610	.47470	.10130	4.68700	-.00190	.00060	-.00250	-.00030
.600	-.080	10.11000	.52580	.01510	.51500	.10710	4.80700	-.02250	-.00050	-.00160	.00010
.600	2.170	10.11000	.56280	.01580	.55130	.11440	4.82100	-.04130	.00030	-.00270	-.00010
.600	4.360	10.10000	.60030	.01750	.58790	.12250	4.79800	-.06080	-.00040	-.00230	.00010
.600	7.290	10.07000	.65590	.02080	.64220	.13520	4.75100	-.08940	-.00050	-.00370	.00010
.600	10.560	10.05000	.71950	.02540	.70400	.15050	4.67600	-.12260	-.00040	-.00360	.00040
.600	15.680	10.00000	.81580	.03920	.79660	.18030	4.41800	-.17440	-.00080	-.00330	.00100
	GRADIENT	-.00814	.01822	-.00012	.01798	.00301	.03540	-.00923	.00003	-.00010	-.00000

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E219) (16 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .175 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500
GRIT = 1.000

RUN NO. 219/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.600	-15.050	10.20000	.20590	.03100	.19710	.06700	2.94200	.14360	-.00250	.00090	.00060
.600	-9.940	10.21000	.28400	.01780	.27630	.06780	4.07400	.10870	-.00260	.00000	.00060
.600	-7.110	10.19000	.34010	.01220	.33260	.07220	4.60900	.08150	-.00280	-.00010	.00060
.600	-4.030	10.17000	.39410	.00850	.38640	.07800	4.95400	.05510	-.00170	-.00130	.00030
.600	-1.840	10.16000	.43390	.00710	.42590	.08360	5.09400	.03510	-.00090	-.00220	.00000
.600	.190	10.14000	.47680	.00660	.46820	.09040	5.17700	.01210	-.00150	-.00190	.00020
.600	2.320	10.14000	.52250	.00700	.51320	.09890	5.19000	-.00940	-.00120	-.00200	.00020
.600	4.390	10.13000	.55420	.00850	.54410	.10580	5.14100	-.02700	-.00060	-.00280	.00010
.600	7.290	10.10000	.61050	.01210	.59890	.11890	5.03600	-.05520	-.00050	-.00330	.00020
.600	10.360	10.07000	.67030	.01780	.65680	.13470	4.87500	-.08720	-.00070	-.00310	.00040
.600	15.710	10.03000	.77540	.03420	.75760	.16880	4.48900	-.14340	-.00140	-.00350	.00110
	GRADIENT	-.00476	.01947	-.00001	.01918	.00337	.02248	-.00994	.00009	-.00013	-.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (R2E220) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -11.700 ALPHA = 10.000
-BETA = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 6.500
GRIT = 1.000

RUN NO. 220/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	ALPHA	CN	CA	CL	CD	L/D	CLM	CY	CBL	CYN
.599	-14.910	10.23000	.17250	.03310	.16390	.06320	2.59400	.16870	-.00310	.00060	.00070
.599	-10.030	10.21000	.25300	.02110	.24530	.06560	3.73800	.13150	-.00310	-.00030	.00060
.599	-6.960	10.21000	.31380	.01590	.30600	.07130	4.29100	.10210	-.00250	-.00030	.00050
.599	-3.950	10.19000	.36680	.01300	.35870	.07770	4.61500	.07560	-.00050	-.00170	.00010
.599	-1.720	10.19000	.40890	.01190	.40030	.08400	4.76400	.05430	-.00050	-.00210	-.00010
.599	.200	10.16000	.45560	.01190	.44630	.09210	4.84900	.03060	-.00070	-.00190	.00010
.599	2.240	10.15000	.49380	.01240	.48390	.09920	4.87700	.01050	-.00030	-.00240	.00000
.599	4.320	10.14000	.53290	.01350	.52220	.10710	4.87500	-.00910	.00010	-.00260	.00000
.599	7.440	10.12000	.59000	.01720	.57780	.12060	4.79100	-.03820	.00130	-.00390	-.00010
.599	10.640	10.11000	.65380	.02370	.63950	.13810	4.63100	-.07210	.00000	-.00370	.00020
.599	15.610	10.05000	.75170	.04040	.73310	.17090	4.28900	-.12480	-.00070	-.00370	.00090
	GRADIENT	-.00679	.02033	.00007	.02002	.00361	.03100	-.01039	.00007	-.00010	-.00001

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E022) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.067	RDA =	-.003
RDBF =	-10.880	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 22/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-2.210	-.08000	-.01000	-10.91000	.00000	-.09000	-.07000	-2.23000	.01000	6.51300	130.00000
.649	-.020	-.08000	.00000	-10.89000	.00000	-.08000	-.08000	-.02000	.01000	6.49100	131.00000
.649	2.190	-.06000	.03000	-10.88000	.00000	-.03000	-.09000	2.18000	.01000	6.48400	131.00000
.649	4.400	-.06000	.02000	-10.89000	.00000	-.03000	-.08000	4.38000	.01000	6.49700	132.00000
.649	6.680	-.08000	.05000	-10.88000	.00000	-.03000	-.14000	6.65000	.01000	6.50000	132.00000
.649	8.950	-.12000	.06000	-10.89000	.00000	-.05000	-.18000	8.90000	.02000	6.48400	133.00000
.649	11.220	.01000	-.04000	-10.87000	.00000	-.03000	.04000	11.17000	.02000	6.48200	133.00000
.649	12.360	.00000	-.04000	-10.87000	.00000	-.04000	.04000	12.32000	.02000	6.49100	134.00000
.649	13.450	-.03000	-.03000	-10.88000	.00000	-.07000	.00000	13.41000	.01000	6.46900	134.00000
.649	14.560	-.09000	.00000	-10.88000	.00000	-.08000	-.09000	14.52000	.02000	6.47100	135.00000
.649	15.660	-.08000	-.02000	-10.86000	.00000	-.10000	-.05000	15.63000	.02000	6.47200	135.00000
.649	16.790	-.15000	.03000	-10.87000	.00000	-.12000	-.17000	16.78000	.02000	6.47000	136.00000
.649	17.920	-.05000	-.09000	-10.87000	.00000	-.14000	.05000	17.90000	.02000	6.47300	136.00000
	GRADIENT	.00363	.00544	.00317	.00000	.01044	-.00181	.99954	.00000	-.00249	.27215

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E023) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.076	RDA =	-.028
RDBF =	-10.889	BETA =	-2.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 23/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.130	-.04000	-.06000	-10.87000	.00000	-.10000	.03000	-2.19000	-.13000	6.46700	140.00000
.648	.020	-.03000	-.06000	-10.88000	.00000	-.09000	.03000	5.17000	-.04000	6.45700	141.00000
.648	2.260	-.03000	-.05000	-10.87000	.00000	-.08000	.03000	2.18000	-.13000	6.45200	141.00000
.648	4.530	-.03000	-.07000	-10.87000	.00000	-.09000	.04000	4.38000	-.12000	6.45400	142.00000
.648	6.800	-.04000	-.05000	-10.87000	.00000	-.09000	.01000	6.61000	-.12000	6.45400	142.00000
.648	9.070	-.06000	-.03000	-10.86000	.00000	-.09000	-.03000	8.88000	-.12000	6.44800	143.00000
.648	10.200	-.06000	-.02000	-10.86000	.00000	-.08000	-.05000	10.00000	-.12000	6.43900	143.00000
.648	11.330	-.08000	.00000	-10.85000	.00000	-.06000	-.08000	11.17000	-.12000	6.44000	144.00000
.648	13.580	-.10000	.00000	-10.88000	.00000	-.10000	-.10000	13.44000	-.12000	6.49800	148.00000
.648	14.690	-.14000	.03000	-10.85000	.00000	-.11000	-.18000	14.56000	-.12000	6.50100	148.00000
.648	15.780	-.12000	-.02000	-10.88000	.00000	-.14000	-.09000	15.66000	-.12000	6.50700	149.00000
.648	16.900	-.17000	.04000	-10.87000	.00000	-.13000	-.21000	16.80000	-.12000	6.50700	149.00000
.648	18.030	-.09000	-.06000	-10.88000	.00000	-.15000	-.03000	17.93000	-.11000	6.49200	150.00000
.648	21.980	-.07000	-.04000	-10.87000	.00000	-.10000	-.03000	21.96000	-.12000	6.50800	151.00000
	GRADIENT	.00134	-.00092	.00047	.00000	.00178	.00136	.74420	-.00283	-.00197	.26974

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E024) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.855	BETA =	.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 24/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.130	.24000	-.03000	-10.86000	.00000	.21000	.27000	-2.21000	1.35000	6.49000	156.00000
.647	.010	.24000	-.03000	-10.87000	.00000	.21000	.26000	-.01000	1.34000	6.48900	157.00000
.647	2.230	.34000	.01000	-10.85000	.00000	.35000	.33000	2.20000	1.34000	6.48500	157.00000
.647	4.460	.84000	.05000	-10.85000	.00000	.89000	.78000	4.41000	1.34000	6.49200	159.00000
.647	6.720	.43000	.03000	-10.86000	.00000	.46000	.41000	6.67000	1.34000	6.49100	200.00000
.647	8.990	.27000	-.01000	-10.85000	.00000	.25000	.28000	8.92000	1.34000	6.48100	201.00000
.647	11.260	.27000	-.02000	-10.84000	.00000	.25000	.28000	11.19000	1.35000	6.47800	202.00000
.647	12.380	-.10000	.02000	-10.84000	.00000	-.08000	-.11000	12.32000	1.35000	6.48200	202.00000
.647	13.470	-.19000	.02000	-10.86000	.00000	-.17000	-.21000	13.43000	1.35000	6.47400	203.00000
.647	14.580	-.45000	-.01000	-10.85000	.00000	-.46000	-.44000	14.54000	1.35000	6.48200	203.00000
.647	15.670	-.74000	-.03000	-10.87000	.00000	-.77000	-.71000	15.64000	1.35000	6.46500	204.00000
.647	16.790	-1.40000	.01000	-10.85000	.00000	-1.39000	-1.41000	16.77000	1.36000	6.48000	204.00000
.647	17.900	-2.71000	.06000	-10.87000	.00000	-2.65000	-2.76000	17.87000	1.36000	6.46600	205.00000
	GRADIENT	.08682	.01277	.00229	.00000	.09959	.07314	1.00355	-.00135	.00010	.40973

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E025) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.852	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 25/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.150	.27000	.00000	-10.84000	.00000	.27000	.28000	-2.21000	1.42000	6.47800	208.00000
.647	-.020	.11000	-.06000	-10.85000	.00000	.04000	.17000	-.02000	1.41000	6.47800	208.00000
.647	2.200	.30000	-.01000	-10.84000	.00000	.29000	.31000	2.19000	1.41000	6.47500	209.00000
.647	4.470	1.13000	-.09000	-10.85000	.00000	1.04000	1.22000	4.41000	1.41000	6.47600	209.00000
.647	6.780	1.09000	-.06000	-10.85000	.00000	1.03000	1.15000	6.69000	1.41000	6.47900	210.00000
.647	9.080	.33000	-.03000	-10.86000	.00000	.30000	.35000	8.94000	1.41000	6.47800	211.00000
.647	11.350	.22000	-.04000	-10.85000	.00000	.18000	.25000	11.20000	1.41000	6.47100	211.00000
.647	12.470	-.13000	-.05000	-10.86000	.00000	-.18000	-.08000	12.33000	1.41000	6.47100	212.00000
.647	13.560	-.30000	.05000	-10.86000	.00000	-.26000	-.35000	13.43000	1.41000	6.47100	212.00000
.647	14.660	-.53000	.00000	-10.85000	.00000	-.53000	-.53000	14.55000	1.41000	6.47200	212.00000
.647	15.750	-.87000	-.01000	-10.85000	.00000	-.89000	-.86000	15.65000	1.42000	6.47000	213.00000
.647	16.860	-1.31000	.06000	-10.85000	.00000	-1.25000	-1.38000	16.77000	1.42000	6.46400	213.00000
.647	17.970	-2.74000	.03000	-10.86000	.00000	-2.71000	-2.78000	17.88000	1.43000	6.46700	214.00000
	GRADIENT	.12682	-.00997	-.00090	.00000	.11732	.13545	.99939	-.00134	-.00041	.18129

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E026) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.854	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 26/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.010	.11000	.02000	-10.87000	.00000	.13000	.09000	6.68000	.94000	6.46800	220.00000
.648	-3.990	.31000	.07000	-10.85000	.00000	.38000	.23000	6.68000	1.00000	6.46900	220.00000
.648	-2.970	.34000	.02000	-10.87000	.00000	.35000	.32000	6.68000	1.02000	6.46900	221.00000
.648	-1.950	.62000	-.14000	-10.86000	.00000	.47000	.76000	6.68000	1.05000	6.47000	221.00000
.648	-.930	.91000	.01000	-10.85000	.00000	.92000	.90000	6.68000	1.07000	6.46700	221.00000
.648	.020	.59000	-.05000	-10.85000	.00000	.55000	.64000	6.67000	1.10000	6.47500	222.00000
.648	1.030	.44000	.07000	-10.84000	.00000	.51000	.38000	6.68000	1.13000	6.46200	222.00000
.648	2.090	.63000	.00000	-10.84000	.00000	.64000	.63000	6.68000	1.15000	6.46400	223.00000
.648	3.130	.94000	-.03000	-10.85000	.00000	.91000	.97000	6.67000	1.18000	6.46000	223.00000
.648	4.160	.16000	-.09000	-10.84000	.00000	.06000	.25000	6.67000	1.21000	6.47000	224.00000
.648	5.210	.09000	.00000	-10.86000	.00000	.10000	.09000	6.66000	1.24000	6.47300	224.00000
.648	6.240	-.12000	.02000	-10.86000	.00000	-.10000	-.14000	6.66000	1.27000	6.47100	225.00000
.648	7.270	.24000	.02000	-10.85000	.00000	.26000	.22000	6.67000	1.29000	6.45900	225.00000
.648	8.300	.30000	-.01000	-10.87000	.00000	.29000	.32000	6.67000	1.32000	6.48000	225.00000
	GRADIENT	.01234	-.00748	.00245	.00000	.00533	.02063	-.00115	.02592	-.00066	.44321

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E027) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.852	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 27/ 0 RN/L = 6.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.070	-.58000	.02000	-10.86000	.00000	-.55000	-.60000	13.43000	.96000	6.46100	227.00000
.647	-4.050	-.44000	-.05000	-10.87000	.00000	-.49000	-.40000	13.43000	1.00000	6.46500	228.00000
.647	-3.030	-.53000	.01000	-10.87000	.00000	-.52000	-.54000	13.43000	1.03000	6.46100	228.00000
.647	-2.000	-.31000	.04000	-10.85000	.00000	-.28000	-.35000	13.42000	1.06000	6.45900	228.00000
.647	-.970	-.12000	-.06000	-10.85000	.00000	-.19000	-.06000	13.43000	1.08000	6.46200	229.00000
.647	.050	-.05000	-.01000	-10.86000	.00000	-.06000	-.04000	13.43000	1.11000	6.45900	229.00000
.647	1.080	-.04000	.00000	-10.85000	.00000	-.04000	-.04000	13.42000	1.13000	6.45400	229.00000
.647	2.090	-.16000	-.01000	-10.84000	.00000	-.17000	-.15000	13.42000	1.16000	6.45800	229.00000
.647	3.140	-.35000	.02000	-10.85000	.00000	-.33000	-.38000	13.42000	1.18000	6.46000	230.00000
.647	4.150	-.71000	.04000	-10.84000	.00000	-.67000	-.75000	13.42000	1.21000	6.47700	230.00000
.647	5.200	-.72000	.04000	-10.84000	.00000	-.69000	-.76000	13.41000	1.24000	6.47100	230.00000
.647	6.230	-.78000	-.02000	-10.86000	.00000	-.79000	-.76000	13.41000	1.27000	6.45000	231.00000
.647	7.300	-.68000	.08000	-10.85000	.00000	-.60000	-.76000	13.41000	1.30000	6.44900	231.00000
.647	8.330	-.93000	-.03000	-10.84000	.00000	-.96000	-.91000	13.41000	1.32000	6.46400	231.00000
	GRADIENT	-.00258	.00568	.00325	.00000	.00359	-.00810	-.00130	.02502	.00057	.26016

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E028) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.031	BETA =	.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 28/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.150	-.04000	-.04000	-6.02000	.00000	-.08000	.00000	-2.21000	1.10000	6.50100	236.00000
.648	-.010	-.04000	-.04000	-6.01000	.00000	-.08000	.00000	-.01000	1.10000	6.49600	237.00000
.648	2.210	-.04000	-.04000	-6.02000	.00000	-.08000	-.01000	2.19000	1.10000	6.49700	237.00000
.648	4.440	.46000	-.12000	-6.03000	.00000	.34000	.58000	4.40000	1.10000	6.48400	237.00000
.648	6.700	.32000	-.03000	-6.03000	.00000	.29000	.35000	6.67000	1.10000	6.49000	238.00000
.648	8.970	.01000	-.07000	-6.04000	.00000	-.06000	.08000	8.93000	1.10000	6.48500	238.00000
.648	10.100	-.13000	.07000	-6.03000	.00000	-.06000	-.21000	10.06000	1.10000	6.48400	239.00000
.648	11.240	-.14000	.05000	-6.04000	.00000	-.09000	-.19000	11.19000	1.10000	6.48500	239.00000
.648	12.370	-.29000	.04000	-6.03000	.00000	-.25000	-.34000	12.32000	1.11000	6.47900	240.00000
.648	13.470	-.31000	.03000	-6.03000	.00000	-.27000	-.34000	13.43000	1.10000	6.48600	240.00000
.648	14.580	-.64000	.04000	-6.03000	.00000	-.60000	-.68000	14.55000	1.11000	6.48600	240.00000
.648	15.680	-.98000	-.01000	-6.03000	.00000	-.99000	-.97000	15.65000	1.11000	6.49200	241.00000
.648	16.790	-1.55000	.01000	-6.04000	.00000	-1.54000	-1.56000	16.77000	1.11000	6.48100	241.00000
.648	17.910	-2.82000	.11000	-6.05000	.00000	-2.71000	-2.93000	17.88000	1.12000	6.46900	242.00000
	GRADIENT	.06860	-.01098	-.00184	.00000	.05762	.07913	1.00173	.00000	-.00228	.13534

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E029) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.038	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 29/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.160	.05000	-.06000	-6.03000	.00000	-.01000	.10000	-2.21000	1.16000	6.48400	244.00000
.648	-.030	.00000	-.04000	-6.03000	.00000	-.04000	.03000	-.05000	1.16000	6.48800	245.00000
.648	2.190	.17000	-.03000	-6.04000	.00000	.14000	.20000	2.20000	1.16000	6.48200	245.00000
.648	4.470	.41000	.09000	-6.03000	.00000	.50000	.32000	4.41000	1.16000	6.48400	246.00000
.648	6.780	.85000	-.08000	-6.05000	.00000	.77000	.93000	6.69000	1.16000	6.47900	246.00000
.648	9.080	.05000	-.07000	-6.04000	.00000	-.02000	.12000	8.94000	1.15000	6.47700	247.00000
.648	11.350	-.15000	.05000	-6.03000	.00000	-.10000	-.20000	11.20000	1.15000	6.47200	247.00000
.648	12.470	-.44000	-.02000	-6.04000	.00000	-.46000	-.42000	12.33000	1.16000	6.46800	248.00000
.648	13.560	-.35000	-.06000	-6.04000	.00000	-.41000	-.29000	13.44000	1.15000	6.46500	248.00000
.648	14.660	-.81000	.02000	-6.04000	.00000	-.79000	-.83000	14.55000	1.16000	6.47000	249.00000
.648	15.750	-1.04000	-.05000	-6.04000	.00000	-1.09000	-1.00000	15.66000	1.16000	6.47300	249.00000
.648	16.860	-1.71000	-.09000	-6.05000	.00000	-1.80000	-1.62000	16.78000	1.16000	6.47100	249.00000
.648	17.980	-2.91000	.07000	-6.04000	.00000	-2.83000	-2.98000	17.90000	1.17000	6.48000	250.00000
	GRADIENT	.05698	.02095	-.00044	.00000	.07792	.03784	.99985	.00000	-.00028	.27118

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E030) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1078.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.047	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 30/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.000	-.06000	.02000	-6.05000	.00000	-.04000	-.08000	6.69000	.94000	6.48700	256.00000
.647	-3.980	.16000	-.01000	-6.05000	.00000	.15000	.17000	6.69000	.99000	6.49800	257.00000
.647	-2.970	.13000	.02000	-6.06000	.00000	.16000	.11000	6.69000	1.02000	6.49200	257.00000
.647	-1.940	.45000	.02000	-6.05000	.00000	.46000	.43000	6.69000	1.05000	6.49100	258.00000
.647	-.920	.55000	-.08000	-6.06000	.00000	.48000	.63000	6.69000	1.07000	6.48400	259.00000
.647	.020	.14000	-.08000	-6.05000	.00000	.06000	.23000	6.67000	1.10000	6.49400	259.00000
.647	1.040	.11000	-.12000	-6.04000	.00000	-.01000	.23000	6.68000	1.12000	6.48800	300.00000
.647	2.090	.28000	.05000	-6.03000	.00000	.32000	.23000	6.68000	1.15000	6.48600	300.00000
.647	3.140	.17000	-.06000	-6.04000	.00000	.11000	.23000	6.68000	1.18000	6.48500	301.00000
.647	4.170	.01000	-.03000	-6.05000	.00000	-.02000	.04000	6.67000	1.20000	6.49300	301.00000
.647	5.200	-.19000	-.01000	-6.04000	.00000	-.20000	-.18000	6.66000	1.23000	6.48400	301.00000
.647	6.230	-.19000	-.01000	-6.04000	.00000	-.21000	-.18000	6.67000	1.26000	6.48100	302.00000
.647	7.250	.08000	.07000	-6.05000	.00000	.15000	.01000	6.67000	1.29000	6.48700	302.00000
	GRADIENT	-.02048	-.00483	.00195	.00000	-.02597	-.01566	-.00228	.02576	-.00077	7.09854

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E031) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.050	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 31/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.070	-.92000	.01000	-6.05000	.00000	-.91000	-.93000	13.44000	.94000	6.48300	303.00000
.648	-4.050	-.74000	-.04000	-6.05000	.00000	-.78000	-.70000	13.45000	1.02000	6.48600	304.00000
.648	-3.030	-.82000	.03000	-6.05000	.00000	-.79000	-.85000	13.45000	1.04000	6.49100	304.00000
.648	-2.000	-.60000	.03000	-6.05000	.00000	-.57000	-.62000	13.44000	1.07000	6.47700	304.00000
.648	-.990	-.41000	-.02000	-6.05000	.00000	-.43000	-.38000	13.44000	1.10000	6.48300	305.00000
.648	.030	-.39000	-.04000	-6.05000	.00000	-.43000	-.35000	13.44000	1.12000	6.48200	305.00000
.648	1.070	-.38000	-.04000	-6.05000	.00000	-.42000	-.34000	13.44000	1.15000	6.48100	305.00000
.648	2.080	-.38000	-.05000	-6.05000	.00000	-.43000	-.32000	13.44000	1.17000	6.48600	306.00000
.648	3.120	-.67000	.02000	-6.06000	.00000	-.65000	-.69000	13.43000	1.20000	6.47900	306.00000
.648	4.140	-.86000	.00000	-6.05000	.00000	-.86000	-.85000	13.43000	1.23000	6.48600	306.00000
.648	5.210	-.94000	.06000	-6.04000	.00000	-.88000	-.99000	13.42000	1.26000	6.48900	307.00000
.648	6.230	-.93000	.07000	-6.04000	.00000	-.85000	-1.00000	13.44000	1.29000	6.47600	307.00000
.648	7.280	-.93000	.07000	-6.06000	.00000	-.86000	-1.00000	13.44000	1.32000	6.48200	307.00000
	GRADIENT	.00706	-.00080	-.00049	.00000	.00626	.00834	-.00228	.02556	-.00033	.29287

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E032) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.090	BETA =	.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 32/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.160	-1.24000	-.04000	-.11000	.00000	-1.28000	-1.20000	-2.20000	1.13000	6.48500	312.00000
.648	-.020	-1.24000	.04000	-.10000	.00000	-1.20000	-1.28000	-.03000	1.13000	6.48000	312.00000
.648	2.200	-1.17000	.10000	-.11000	.00000	-1.07000	-1.27000	2.18000	1.12000	6.48300	312.00000
.648	4.430	-1.08000	-.01000	-.12000	.00000	-1.09000	-1.07000	4.39000	1.12000	6.47200	313.00000
.648	6.670	-1.12000	.03000	-.11000	.00000	-1.09000	-1.15000	6.65000	1.12000	6.47100	313.00000
.648	8.960	-1.20000	-.04000	-.12000	.00000	-1.24000	-1.16000	8.91000	1.12000	6.48600	314.00000
.648	11.220	-1.15000	.02000	-.13000	.00000	-1.13000	-1.16000	11.17000	1.12000	6.47500	314.00000
.648	12.360	-1.36000	-.01000	-.12000	.00000	-1.36000	-1.35000	12.32000	1.13000	6.48600	314.00000
.648	13.470	-1.72000	-.03000	-.03000	.00000	-1.75000	-1.69000	13.43000	1.13000	6.47000	315.00000
.648	14.570	-2.31000	.00000	-.03000	.00000	-2.30000	-2.31000	14.54000	1.13000	6.46600	315.00000
.648	15.670	-3.01000	.06000	-.05000	.00000	-2.96000	-3.07000	15.65000	1.13000	6.47200	316.00000
.648	16.780	-3.66000	.04000	-.06000	.00000	-3.61000	-3.70000	16.77000	1.13000	6.47100	316.00000
.648	17.900	-4.53000	.05000	-.08000	.00000	-4.48000	-4.58000	17.87000	1.14000	6.47100	317.00000
	GRADIENT	.02510	.00667	-.00184	.00000	.03177	.01843	.99949	-.00182	-.00164	.13720

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E033) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.049	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 33/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.170	-1.29000	.03000	-.06000	.00000	-1.26000	-1.32000	-2.23000	1.19000	6.47200	318.00000
.647	-.040	-1.30000	.04000	-.04000	.00000	-1.26000	-1.34000	-.03000	1.18000	6.47700	318.00000
.647	2.180	-1.19000	.03000	-.04000	.00000	-1.16000	-1.22000	2.18000	1.18000	6.47200	318.00000
.647	4.450	-.98000	.01000	-.06000	.00000	-.97000	-.99000	4.39000	1.18000	6.47900	319.00000
.647	6.750	-1.05000	.03000	-.06000	.00000	-1.02000	-1.08000	6.66000	1.18000	6.47700	319.00000
.647	9.070	-1.15000	-.05000	-.05000	.00000	-1.20000	-1.11000	8.93000	1.18000	6.47900	320.00000
.647	11.340	-1.15000	-.04000	-.05000	.00000	-1.19000	-1.11000	11.19000	1.18000	6.47500	320.00000
.647	12.470	-1.41000	.01000	-.06000	.00000	-1.40000	-1.41000	12.33000	1.18000	6.47900	321.00000
.647	13.560	-1.83000	-.05000	-.06000	.00000	-1.88000	-1.78000	13.43000	1.18000	6.47600	321.00000
.647	14.650	-2.49000	.07000	-.06000	.00000	-2.42000	-2.57000	14.54000	1.18000	6.46900	322.00000
.647	15.750	-3.02000	.06000	-.07000	.00000	-2.96000	-3.08000	15.65000	1.19000	6.46500	322.00000
.647	16.860	-3.64000	.09000	-.07000	.00000	-3.55000	-3.73000	16.78000	1.19000	6.47200	322.00000
.647	17.970	-4.44000	.08000	.04000	.00000	-4.36000	-4.53000	17.89000	1.19000	6.46800	323.00000
	GRADIENT	.04741	-.00321	-.00006	.00000	.04420	.05062	.99936	-.00134	.00073	.13720

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E034) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.032	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 34/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-5.990	-1.52000	.07000	.04000	.00000	-1.46000	-1.59000	6.66000	.98000	6.47100	327.00000
.648	-3.980	-1.52000	.03000	.05000	.00000	-1.49000	-1.56000	6.66000	1.04000	6.47500	327.00000
.648	-2.960	-1.25000	.03000	.04000	.00000	-1.22000	-1.28000	6.66000	1.06000	6.47300	327.00000
.648	-1.930	-1.25000	.03000	.05000	.00000	-1.22000	-1.28000	6.66000	1.08000	6.47100	328.00000
.648	-.920	-1.07000	-.02000	.05000	.00000	-1.09000	-1.05000	6.66000	1.11000	6.46600	328.00000
.648	.020	-1.09000	.00000	.06000	.00000	-1.09000	-1.10000	6.65000	1.13000	6.46500	329.00000
.648	1.020	-1.13000	.01000	.07000	.00000	-1.13000	-1.14000	6.66000	1.16000	6.46600	329.00000
.648	2.040	-1.09000	.07000	.08000	.00000	-1.03000	-1.16000	6.66000	1.18000	6.47600	330.00000
.648	3.100	-1.00000	-.03000	.02000	.00000	-1.04000	-.97000	6.66000	1.21000	6.47400	330.00000
.648	4.130	-1.01000	-.03000	.01000	.00000	-1.04000	-.98000	6.65000	1.23000	6.46600	330.00000
.648	5.170	-1.30000	.06000	.01000	.00000	-1.23000	-1.36000	6.65000	1.26000	6.45900	331.00000
.648	6.200	-1.13000	.03000	.00000	.00000	-1.10000	-1.15000	6.66000	1.29000	6.47700	331.00000
.648	7.250	-1.08000	.07000	.00000	.00000	-1.01000	-1.16000	6.66000	1.32000	6.47900	331.00000
.648	8.290	-1.27000	.03000	-.03000	.00000	-1.24000	-1.30000	6.65000	1.35000	6.47300	332.00000
	GRADIENT	.05046	-.00519	-.00239	.00000	.04429	.05632	-.00066	.02413	-.00038	.42898

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E035) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.038	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 35/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-2.31000	.04000	-.03000	.00000	-2.27000	-2.36000	13.43000	1.00000	6.47200	333.00000
.648	-4.050	-2.52000	.07000	-.04000	.00000	-2.45000	-2.58000	13.43000	1.04000	6.47300	334.00000
.648	-3.030	-2.53000	.05000	-.04000	.00000	-2.47000	-2.58000	13.42000	1.07000	6.46600	334.00000
.648	-2.000	-2.32000	.09000	-.02000	.00000	-2.22000	-2.41000	13.42000	1.09000	6.46600	334.00000
.648	-.990	-2.13000	.05000	-.02000	.00000	-2.08000	-2.18000	13.42000	1.12000	6.46000	335.00000
.648	.050	-2.05000	.13000	-.03000	.00000	-1.92000	-2.18000	13.42000	1.14000	6.46500	335.00000
.648	1.080	-1.89000	-.01000	-.04000	.00000	-1.90000	-1.88000	13.42000	1.17000	6.47300	335.00000
.648	2.110	-1.88000	-.01000	-.04000	.00000	-1.90000	-1.87000	13.42000	1.19000	6.46400	336.00000
.648	3.110	-2.04000	.04000	-.04000	.00000	-2.00000	-2.07000	13.42000	1.21000	6.46300	336.00000
.648	4.160	-2.30000	.06000	-.05000	.00000	-2.24000	-2.36000	13.42000	1.24000	6.47200	336.00000
.648	5.200	-2.33000	.06000	-.04000	.00000	-2.27000	-2.39000	13.42000	1.27000	6.47000	337.00000
.648	6.230	-2.30000	.09000	-.04000	.00000	-2.21000	-2.39000	13.42000	1.30000	6.45900	337.00000
.648	7.270	-2.29000	.05000	-.05000	.00000	-2.23000	-2.34000	13.42000	1.32000	6.47500	337.00000
.648	8.280	-2.55000	.02000	-.05000	.00000	-2.53000	-2.57000	13.42000	1.35000	6.46200	337.00000
	GRADIENT	.05636	-.00537	-.00163	.00000	.04986	.06157	-.00065	.02388	-.00006	.29236

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E036) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.970	BETA =	.000
SPDBRK =	11.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 36/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.180	-2.38000	-.05000	5.96000	.00000	-2.43000	-2.34000	-2.24000	1.14000	6.47000	339.00000
.647	-.030	-2.32000	-.02000	5.97000	.00000	-2.34000	-2.31000	-.04000	1.14000	6.47000	340.00000
.647	2.190	-2.04000	.07000	5.97000	.00000	-1.97000	-2.11000	2.18000	1.14000	6.47000	340.00000
.647	4.420	-1.89000	.06000	5.98000	.00000	-1.84000	-1.95000	4.38000	1.14000	6.47100	341.00000
.647	6.670	-2.03000	-.04000	5.96000	.00000	-2.07000	-1.99000	6.64000	1.14000	6.46600	342.00000
.647	8.950	-2.05000	.07000	5.98000	.00000	-1.98000	-2.12000	8.90000	1.14000	6.46700	342.00000
.647	11.220	-1.83000	-.01000	5.98000	.00000	-1.84000	-1.82000	11.17000	1.14000	6.48300	343.00000
.647	12.360	-2.09000	.02000	5.97000	.00000	-2.07000	-2.11000	12.31000	1.14000	6.46400	343.00000
.647	13.460	-2.55000	.01000	5.96000	.00000	-2.54000	-2.56000	13.42000	1.14000	6.46800	343.00000
.647	14.560	-3.06000	.02000	5.97000	.00000	-3.03000	-3.08000	14.53000	1.14000	6.47000	344.00000
.647	15.660	-3.46000	.05000	5.98000	.00000	-3.41000	-3.52000	15.64000	1.14000	6.47400	344.00000
.647	16.780	-4.46000	.11000	5.97000	.00000	-4.35000	-4.57000	16.77000	1.15000	6.46700	345.00000
.647	17.890	-5.42000	.17000	5.96000	.00000	-5.24000	-5.59000	17.90000	1.15000	6.46400	345.00000
	GRADIENT	.07958	.01906	.00272	.00000	.09727	.06234	1.00266	.00000	.00014	.27221

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E037) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.976	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 37/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.190	-2.31000	.11000	5.98000	.00000	-2.20000	-2.42000	-2.24000	1.19000	6.47000	346.00000
.647	-.050	-2.44000	.04000	5.97000	.00000	-2.39000	-2.48000	-.04000	1.19000	6.47300	346.00000
.647	2.170	-2.20000	.12000	5.99000	.00000	-2.08000	-2.32000	2.17000	1.19000	6.48000	347.00000
.647	4.440	-2.01000	.08000	5.98000	.00000	-1.93000	-2.08000	4.38000	1.19000	6.48100	347.00000
.647	6.750	-1.91000	.01000	5.99000	.00000	-1.90000	-1.93000	6.65000	1.19000	6.47300	348.00000
.647	9.050	-2.06000	.07000	5.97000	.00000	-1.99000	-2.13000	8.91000	1.19000	6.47400	348.00000
.647	11.330	-2.00000	.14000	5.98000	.00000	-1.86000	-2.15000	11.18000	1.19000	6.48700	349.00000
.647	12.460	-2.15000	-.03000	5.98000	.00000	-2.18000	-2.12000	12.33000	1.19000	6.47800	349.00000
.647	13.550	-2.69000	.03000	5.98000	.00000	-2.67000	-2.72000	13.43000	1.19000	6.48000	349.00000
.647	14.650	-3.13000	.05000	5.97000	.00000	-3.07000	-3.18000	14.54000	1.19000	6.47500	350.00000
.647	15.740	-3.66000	.05000	5.96000	.00000	-3.61000	-3.70000	15.64000	1.20000	6.47200	350.00000
.647	16.850	-4.42000	.08000	5.98000	.00000	-4.35000	-4.50000	16.74000	1.20000	6.47500	351.00000
.647	17.970	-5.21000	.12000	5.96000	.00000	-5.09000	-5.33000	17.91000	1.21000	6.47900	351.00000
	GRADIENT	.05200	-.00040	.00091	.00000	.05114	.05377	.99803	.00000	.00181	.18100

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E038) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.973 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 38/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.646	-5.990	-2.46000	.04000	5.96000	.00000	-2.43000	-2.50000	6.65000	.99000	6.47100	353.00000
.646	-3.990	-2.73000	.02000	5.97000	.00000	-2.71000	-2.74000	6.66000	1.04000	6.49500	353.00000
.646	-2.960	-2.43000	.08000	5.97000	.00000	-2.35000	-2.52000	6.65000	1.06000	6.48300	353.00000
.646	-1.940	-2.26000	.09000	5.97000	.00000	-2.17000	-2.34000	6.65000	1.09000	6.48400	354.00000
.646	-.910	-2.09000	.03000	5.97000	.00000	-2.06000	-2.12000	6.65000	1.11000	6.47900	354.00000
.646	.010	-2.09000	.04000	5.98000	.00000	-2.05000	-2.13000	6.64000	1.14000	6.49000	355.00000
.646	.990	-1.90000	-.04000	5.97000	.00000	-1.94000	-1.86000	6.65000	1.16000	6.48400	355.00000
.646	2.080	-1.90000	-.03000	5.98000	.00000	-1.93000	-1.87000	6.65000	1.19000	6.48900	355.00000
.646	3.120	-2.01000	.07000	5.98000	.00000	-1.94000	-2.08000	6.65000	1.21000	6.49400	356.00000
.646	4.150	-2.08000	.00000	5.97000	.00000	-2.08000	-2.08000	6.65000	1.24000	6.49100	356.00000
.646	5.180	-2.40000	-.08000	5.97000	.00000	-2.48000	-2.32000	6.64000	1.26000	6.48200	356.00000
.646	6.200	-2.54000	.03000	5.98000	.00000	-2.51000	-2.57000	6.64000	1.29000	6.48900	357.00000
.646	7.230	-2.71000	.05000	5.97000	.00000	-2.66000	-2.75000	6.64000	1.31000	6.48200	357.00000
.646	8.270	-2.92000	.06000	5.98000	.00000	-2.85000	-2.98000	6.64000	1.34000	6.50300	357.00000
	GRADIENT	.07814	-.00679	.00082	.00000	.07135	.08444	-.00065	.02463	.00053	.39452

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E039) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.966 ALPHA = 12.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 39/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-3.18000	.03000	5.96000	.00000	-3.14000	-3.21000	13.42000	1.00000	6.49500	358.00000
.648	-4.050	-3.20000	.05000	5.98000	.00000	-3.16000	-3.25000	13.42000	1.04000	6.50200	359.00000
.648	-3.030	-3.08000	.15000	5.96000	.00000	-2.93000	-3.23000	13.41000	1.07000	6.48700	359.00000
.648	-2.010	-2.99000	.04000	5.96000	.00000	-2.95000	-3.03000	13.42000	1.09000	6.49400	359.00000
.648	-.990	-2.93000	.09000	5.96000	.00000	-2.84000	-3.02000	13.42000	1.12000	6.49200	400.00000
.648	.020	-2.73000	.05000	5.96000	.00000	-2.68000	-2.78000	13.42000	1.14000	6.49300	400.00000
.648	1.040	-2.73000	.05000	5.97000	.00000	-2.68000	-2.78000	13.42000	1.17000	6.49800	400.00000
.648	2.080	-2.79000	.07000	5.96000	.00000	-2.72000	-2.86000	13.42000	1.19000	6.49200	400.00000
.648	3.120	-2.90000	.07000	5.98000	.00000	-2.83000	-2.96000	13.41000	1.22000	6.48500	401.00000
.648	4.150	-3.01000	.08000	5.97000	.00000	-2.94000	-3.09000	13.42000	1.24000	6.49500	401.00000
.648	5.190	-3.13000	.08000	5.97000	.00000	-3.06000	-3.21000	13.41000	1.27000	6.49000	401.00000
.648	6.180	-3.16000	.04000	5.98000	.00000	-3.12000	-3.20000	13.41000	1.30000	6.49500	402.00000
.648	7.220	-3.38000	.04000	5.96000	.00000	-3.34000	-3.42000	13.42000	1.32000	6.49400	402.00000
.648	8.280	-3.62000	-.01000	5.96000	.00000	-3.63000	-3.61000	13.41000	1.35000	6.48800	402.00000
	GRADIENT	.03070	-.00161	.00049	.00000	.02909	.03280	-.00000	.02441	-.00052	6.10572

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E040) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.948	BETA =	.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 40/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.180	-2.91000	.06000	11.99000	.00000	-2.85000	-2.98000	-2.24000	1.14000	6.50000	404.00000
.648	-.030	-2.92000	.08000	11.97000	.00000	-2.84000	-2.99000	-.04000	1.14000	6.49800	405.00000
.648	2.190	-2.75000	-.01000	11.96000	.00000	-2.75000	-2.74000	2.18000	1.14000	6.49400	405.00000
.648	4.420	-2.63000	.12000	11.94000	.00000	-2.50000	-2.75000	4.38000	1.14000	6.50400	405.00000
.648	6.670	-2.53000	.10000	11.92000	.00000	-2.43000	-2.63000	6.65000	1.14000	6.50300	406.00000
.648	8.950	-2.70000	.03000	11.90000	.00000	-2.68000	-2.73000	8.91000	1.14000	6.50200	406.00000
.648	11.220	-2.58000	.05000	11.91000	.00000	-2.53000	-2.63000	11.17000	1.14000	6.49300	407.00000
.648	12.360	-2.79000	.04000	11.95000	.00000	-2.75000	-2.83000	12.32000	1.15000	6.50100	407.00000
.648	13.480	-3.16000	.08000	11.96000	.00000	-3.06000	-3.24000	13.43000	1.14000	6.50100	407.00000
.648	14.570	-3.63000	.01000	11.96000	.00000	-3.62000	-3.64000	14.53000	1.15000	6.49900	408.00000
.648	15.670	-4.43000	.18000	11.95000	.00000	-4.24000	-4.61000	15.65000	1.15000	6.50700	408.00000
.648	16.790	-5.03000	.10000	11.96000	.00000	-4.93000	-5.14000	16.75000	1.15000	6.49600	409.00000
.648	17.900	-6.24000	.15000	11.96000	.00000	-6.10000	-6.39000	17.90000	1.16000	6.49100	409.00000
	GRADIENT	.04600	.00414	-.00726	.00000	.05196	.04275	1.00266	.00000	.00037	.13528

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E041) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.964	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 41/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.646	-2.190	-3.02000	.07000	11.99000	.00000	-2.95000	-3.09000	-2.24000	1.19000	6.49500	410.00000
.646	-.050	-2.98000	.10000	11.98000	.00000	-2.88000	-3.08000	-.05000	1.19000	6.50300	410.00000
.646	2.170	-2.79000	.04000	11.98000	.00000	-2.75000	-2.83000	2.17000	1.19000	6.50600	411.00000
.646	4.440	-2.79000	.04000	11.97000	.00000	-2.75000	-2.82000	4.38000	1.19000	6.50100	411.00000
.646	5.350	-3.34000	.07000	11.96000	.00000	-3.27000	-3.42000	12.09000	1.14000	6.50200	414.00000
.646	6.740	-2.57000	.09000	11.96000	.00000	-2.48000	-2.65000	6.65000	1.19000	6.49800	412.00000
.646	9.060	-2.86000	.11000	11.96000	.00000	-2.75000	-2.96000	8.92000	1.19000	6.50600	412.00000
.646	11.330	-2.65000	.01000	11.95000	.00000	-2.63000	-2.66000	11.18000	1.19000	6.50700	413.00000
.646	12.450	-3.03000	.09000	11.95000	.00000	-2.94000	-3.11000	12.32000	1.20000	6.51100	413.00000
.646	14.640	-4.16000	.18000	11.95000	.00000	-3.99000	-4.34000	14.53000	1.20000	6.49800	416.00000
.646	15.740	-4.49000	.08000	11.96000	.00000	-4.41000	-4.56000	15.64000	1.20000	6.49700	417.00000
.646	16.850	-5.33000	.19000	11.97000	.00000	-5.14000	-5.52000	16.77000	1.20000	6.50100	417.00000
.646	17.970	-6.43000	.12000	11.95000	.00000	-6.31000	-6.55000	17.91000	1.21000	6.49600	418.00000
	GRADIENT	.03976	-.00683	-.00271	.00000	.03293	.04796	.99850	.00000	.00093	.18100

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E042) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.961	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 42/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.090	-3.18000	.09000	11.96000	.00000	-3.09000	-3.27000	6.71000	.99000	6.50700	422.00000
.647	-4.070	-3.13000	.12000	11.95000	.00000	-3.00000	-3.25000	6.72000	1.04000	6.51300	423.00000
.647	-3.050	-2.92000	.05000	11.96000	.00000	-2.87000	-2.98000	6.72000	1.06000	6.51200	423.00000
.647	-2.040	-2.85000	.10000	11.96000	.00000	-2.76000	-2.95000	6.72000	1.08000	6.49800	423.00000
.647	-1.040	-2.70000	.01000	11.97000	.00000	-2.69000	-2.70000	6.72000	1.11000	6.51100	423.00000
.647	.090	-2.68000	-.01000	11.95000	.00000	-2.69000	-2.67000	6.73000	1.14000	6.51000	424.00000
.647	1.180	-2.63000	.03000	11.95000	.00000	-2.61000	-2.66000	6.72000	1.16000	6.51000	424.00000
.647	2.210	-2.59000	.08000	11.96000	.00000	-2.51000	-2.67000	6.72000	1.19000	6.51400	425.00000
.647	3.230	-2.80000	.10000	11.96000	.00000	-2.71000	-2.90000	6.71000	1.21000	6.50500	425.00000
.647	4.240	-3.02000	.10000	11.96000	.00000	-2.92000	-3.12000	6.70000	1.24000	6.51200	425.00000
.647	5.270	-3.09000	.05000	11.98000	.00000	-3.05000	-3.14000	6.70000	1.27000	6.50300	426.00000
.647	6.290	-3.17000	.05000	11.96000	.00000	-3.12000	-3.22000	6.70000	1.29000	6.50300	426.00000
.647	7.320	-3.21000	.02000	11.97000	.00000	-3.18000	-3.23000	6.69000	1.32000	6.49900	426.00000
.647	8.330	-3.40000	.09000	11.97000	.00000	-3.31000	-3.49000	6.69000	1.35000	6.50700	427.00000
	GRADIENT	.02220	.00083	.00029	.00000	.02208	.02168	-.00174	.02420	.00010	.30366

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E043) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZC		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.947	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 43/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.070	-4.32000	.14000	11.95000	.00000	-4.18000	-4.46000	13.48000	1.00000	6.51600	433.00000
.648	-4.050	-3.83000	-.01000	11.94000	.00000	-3.84000	-3.82000	13.49000	1.05000	6.51200	433.00000
.648	-3.030	-3.52000	.04000	11.94000	.00000	-3.49000	-3.56000	13.49000	1.07000	6.51300	434.00000
.648	-2.000	-3.43000	.14000	11.95000	.00000	-3.28000	-3.57000	13.48000	1.10000	6.50700	434.00000
.648	-.970	-3.26000	.08000	11.95000	.00000	-3.17000	-3.34000	13.48000	1.12000	6.50500	434.00000
.648	.030	-3.22000	.09000	11.94000	.00000	-3.13000	-3.31000	13.48000	1.14000	6.51500	435.00000
.648	1.070	-3.17000	.06000	11.94000	.00000	-3.10000	-3.23000	13.48000	1.17000	6.51200	435.00000
.648	2.090	-3.40000	.10000	11.95000	.00000	-3.31000	-3.50000	13.48000	1.19000	6.50700	435.00000
.648	3.110	-3.42000	.08000	11.96000	.00000	-3.34000	-3.51000	13.47000	1.22000	6.50900	435.00000
.648	4.120	-3.75000	.03000	11.95000	.00000	-3.72000	-3.78000	13.47000	1.24000	6.51300	436.00000
.648	5.170	-3.95000	.04000	11.96000	.00000	-3.90000	-3.99000	13.47000	1.27000	6.51300	436.00000
.648	6.210	-4.27000	.10000	11.93000	.00000	-4.17000	-4.37000	13.47000	1.30000	6.51300	436.00000
.648	7.270	-4.41000	.07000	11.95000	.00000	-4.34000	-4.48000	13.47000	1.33000	6.51300	437.00000
.648	8.300	-4.68000	.08000	11.95000	.00000	-4.60000	-4.76000	13.47000	1.35000	6.52200	437.00000
	GRADIENT	.01265	.00295	.00147	.00000	.01545	.00921	-.00228	.02348	-.00002	.29336

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E044) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.042	RDA =	-.032
ALPHA =	6.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 44/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-10.870	.03000	-.05000	-.05000	.00000	-.10000	.00000	6.73000	1.14000	6.52200	450.00000
.647	-10.100	.03000	-.04000	-.06000	.00000	-.10000	.01000	6.73000	1.14000	6.51700	449.00000
.647	-8.120	.03000	-.04000	-.06000	.00000	-.10000	.02000	6.73000	1.14000	6.52200	449.00000
.647	-5.980	.03000	-.04000	-.05000	.00000	-.08000	.01000	6.73000	1.14000	6.51600	448.00000
.547	-4.020	.03000	-.03000	-.03000	.00000	-.06000	.00000	6.73000	1.14000	6.51800	447.00000
.647	-2.030	.03000	-.04000	-.05000	.00000	-.09000	.01000	6.74000	1.14000	6.51600	447.00000
.647	-.030	.03000	-.03000	-.03000	.00000	-.06000	-.01000	6.74000	1.14000	6.52300	446.00000
.647	1.970	.03000	-.04000	-.03000	.00000	-.07000	-.01000	6.75000	1.14000	6.51400	446.00000
.647	3.920	.03000	-.05000	-.02000	.00000	-.07000	-.03000	6.75000	1.14000	6.50900	445.00000
.647	6.180	.03000	-.04000	-.01000	.00000	-.05000	-.03000	6.75000	1.14000	6.51900	444.00000
.647	8.040	.03000	-.05000	-.03000	.00000	-.08000	-.02000	6.75000	1.14000	6.51700	444.00000
.647	10.030	.03000	-.05000	-.03000	.00000	-.08000	-.02000	6.76000	1.14000	6.53000	443.00000
.647	11.840	.03000	-.05000	-.03000	.00000	-.07000	-.02000	6.76000	1.14000	6.51600	443.00000
.647	14.170	.03000	-.04000	-.02000	.00000	-.06000	-.02000	6.76000	1.14000	6.50700	442.00000
.647	18.430	.03000	-.05000	-.01000	.00000	-.06000	-.04000	6.77000	1.14000	6.52100	442.00000
.647	21.830	.03000	-.04000	-.01000	.00000	-.05000	-.04000	6.77000	1.14000	6.51100	441.00000
	GRADIENT	.00000	-.00201	.00201	.00000	.00000	-.00402	.00252	-.00000	-.00100	-.25130

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E045) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.070	RDA =	-.021
ALPHA =	12.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 45/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-10.900	.04000	-.08000	-.04000	.00000	-.12000	-.04000	13.52000	1.14000	6.51700	452.00000
.648	-10.040	.04000	-.08000	-.02000	.00000	-.10000	-.06000	13.52000	1.14000	6.52600	453.00000
.648	-8.060	.04000	-.07000	-.03000	.00000	-.10000	-.04000	13.52000	1.14000	6.51600	454.00000
.648	-6.550	.04000	-.07000	-.03000	.00000	-.10000	-.03000	13.52000	1.14000	6.51700	454.00000
.648	-4.060	.04000	-.07000	-.02000	.00000	-.08000	-.05000	13.53000	1.14000	6.51600	455.00000
.648	-1.980	.04000	-.06000	-.03000	.00000	-.09000	-.03000	13.54000	1.14000	6.52100	456.00000
.648	.120	.04000	-.06000	-.02000	.00000	-.08000	-.03000	13.54000	1.14000	6.51600	456.00000
.648	2.000	.04000	-.06000	-.03000	.00000	-.08000	-.03000	13.54000	1.14000	6.51700	456.00000
.648	4.070	.04000	-.06000	-.01000	.00000	-.07000	-.05000	13.54000	1.14000	6.52100	457.00000
.648	6.020	.04000	-.06000	-.02000	.00000	-.08000	-.04000	13.55000	1.14000	6.51400	457.00000
.648	8.010	.04000	-.06000	-.02000	.00000	-.08000	-.04000	13.55000	1.14000	6.52300	458.00000
.648	10.020	.04000	-.06000	-.03000	.00000	-.09000	-.04000	13.55000	1.14000	6.51100	459.00000
.648	12.010	.04000	-.07000	-.01000	.00000	-.09000	-.06000	13.55000	1.14000	6.50600	459.00000
.648	13.770	.04000	-.09000	.01000	.00000	-.08000	-.11000	13.56000	1.14000	6.51000	500.00000
.648	17.990	.04000	-.12000	.01000	.00000	-.11000	-.13000	13.56000	1.14000	6.50200	500.00000
.648	21.900	.04000	-.05000	-.05000	.00000	-.11000	.00000	13.56000	1.14000	6.50800	501.00000
	GRADIENT	.00000	.00100	.00100	.00000	.00148	.00002	.00100	-.00000	.00030	.24744

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E046) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-1.569	RDA =	.018
ALPHA =	6.000	BETA =	.000
SPDBRK =	11.500	RN/L =	6.500
GRIT =	.000		

RUN NO. 46/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-10.880	.03000	.47000	-.17000	.00000	.30000	.63000	6.73000	1.14000	6.50400	512.00000
.647	-10.070	.04000	.30000	.04000	.00000	.34000	.26000	6.72000	1.14000	6.49700	511.00000
.647	-8.110	.04000	.30000	.01000	.00000	.32000	.29000	6.73000	1.14000	6.50500	511.00000
.647	-6.120	.04000	.06000	.02000	.00000	.08000	.04000	6.73000	1.14000	6.49700	511.00000
.647	-4.000	.04000	-.33000	-.05000	.00000	-.38000	-.28000	6.72000	1.14000	6.50900	510.00000
.647	-1.790	.04000	-.81000	.00000	.00000	-.81000	-.81000	6.71000	1.14000	6.50000	510.00000
.647	-.090	.04000	-1.14000	.04000	.00000	-1.10000	-1.17000	6.71000	1.14000	6.51300	509.00000
.647	2.020	.04000	-1.44000	.00000	.00000	-1.44000	-1.44000	6.70000	1.14000	6.50600	509.00000
.647	3.870	.04000	-1.88000	.09000	.00000	-1.79000	-1.97000	6.70000	1.14000	6.49900	508.00000
.647	5.990	.04000	-2.00000	-.04000	.00000	-2.04000	-1.97000	6.70000	1.14000	6.50800	508.00000
.647	8.060	.04000	-2.21000	.07000	.00000	-2.14000	-2.29000	6.70000	1.14000	6.50600	507.00000
.647	10.060	.04000	-2.42000	.05000	.00000	-2.37000	-2.47000	6.70000	1.14000	6.50800	507.00000
.647	12.100	.04000	-2.64000	.06000	.00000	-2.58000	-2.70000	6.70000	1.14000	6.51300	506.00000
.647	14.040	.04000	-2.83000	-.05000	.00000	-2.88000	-2.78000	6.70000	1.14000	6.50200	505.00000
.647	16.150	.04000	-3.06000	.06000	.00000	-3.00000	-3.12000	6.70000	1.14000	6.51400	505.00000
.647	18.290	.04000	-3.24000	.06000	.00000	-3.18000	-3.30000	6.69000	1.14000	6.51100	504.00000
.647	21.890	.04000	-3.80000	.12000	.00000	-3.68000	-3.92000	6.69000	1.14000	6.50900	503.00000
	GRADIENT	-.00000	-.19077	.01423	.00000	-.17654	-.20502	-.00258	-.00000	-.00076	-.25247

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E047) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-2.139	RDA =	.033
ALPHA =	12.000	BETA =	.000
SPDBRK =	.000	RN/L =	6.500
GRIT =	.000		

RUN NO. 47/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-10.880	.04000	-.17000	.03000	.00000	-.14000	-.21000	13.59000	1.14000	6.50800	514.00000
.649	-9.910	.04000	-.24000	-.04000	.00000	-.28000	-.21000	13.58000	1.14000	6.50300	515.00000
.649	-8.160	.04000	-.21000	.01000	.00000	-.20000	-.21000	13.58000	1.14000	6.49100	516.00000
.649	-6.170	.04000	-.49000	-.03000	.00000	-.52000	-.46000	13.58000	1.14000	6.49000	517.00000
.649	-4.030	.04000	-1.05000	-.02000	.00000	-1.07000	-1.03000	13.57000	1.14000	6.49800	517.00000
.649	-1.860	.04000	-1.48000	.01000	.00000	-1.47000	-1.48000	13.57000	1.14000	6.48500	518.00000
.649	.170	.04000	-2.08000	.10000	.00000	-1.98000	-2.18000	13.57000	1.14000	6.49500	518.00000
.649	2.110	.04000	-2.34000	.03000	.00000	-2.32000	-2.37000	13.57000	1.14000	6.49100	519.00000
.649	4.230	.04000	-2.56000	.09000	.00000	-2.46000	-2.65000	13.57000	1.14000	6.49700	520.00000
.649	5.930	.04000	-2.86000	.12000	.00000	-2.75000	-2.98000	13.56000	1.14000	6.49000	520.00000
.649	7.930	.04000	-2.94000	.03000	.00000	-2.92000	-2.97000	13.56000	1.14000	6.49100	521.00000
.649	10.060	.04000	-3.06000	.06000	.00000	-3.00000	-3.11000	13.57000	1.14000	6.49300	521.00000
.649	11.580	.04000	-3.22000	-.02000	.00000	-3.24000	-3.20000	13.56000	1.14000	6.49200	522.00000
.649	14.040	.04000	-3.37000	.11000	.00000	-3.26000	-3.48000	13.56000	1.14000	6.49100	522.00000
.649	15.980	.04000	-3.64000	.05000	.00000	-3.59000	-3.69000	13.56000	1.14000	6.48000	523.00000
.649	21.830	.04000	-4.51000	.00000	.00000	-4.51000	-4.51000	13.56000	1.14000	6.49200	523.00000
	GRADIENT	.00000	-.18945	.01183	.00000	-.17906	-.20175	-.00000	-.00000	.00018	.34173

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E048) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.261	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 48/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.150	.22000	.00000	-10.28000	.00000	.22000	.22000	-2.17000	1.14000	6.51200	716.00000
.648	-.010	.14000	.03000	-10.27000	.00000	.17000	.11000	-.02000	1.13000	6.50800	717.00000
.648	2.200	.25000	.03000	-10.27000	.00000	.28000	.22000	2.19000	1.13000	6.50300	718.00000
.648	4.420	.53000	.18000	-10.27000	.00000	.70000	.35000	4.39000	1.13000	6.49500	718.00000
.648	6.680	.69000	.06000	-10.24000	.00000	.74000	.63000	6.66000	1.13000	6.49200	719.00000
.648	8.960	.45000	-.01000	-10.25000	.00000	.44000	.46000	8.91000	1.13000	6.49500	719.00000
.648	11.220	.24000	-.02000	-10.25000	.00000	.22000	.26000	11.18000	1.14000	6.50600	720.00000
.648	12.350	.01000	-.12000	-10.26000	.00000	-.11000	.13000	12.31000	1.14000	6.50000	720.00000
.648	13.490	-.15000	.03000	-10.27000	.00000	-.12000	-.18000	13.50000	1.14000	6.50400	721.00000
.648	14.550	-.47000	-.02000	-10.25000	.00000	-.49000	-.44000	14.58000	1.14000	6.49700	721.00000
.648	15.640	-.76000	-.05000	-10.27000	.00000	-.81000	-.72000	15.69000	1.14000	6.47900	722.00000
.648	16.760	-1.49000	.06000	-10.26000	.00000	-1.44000	-1.55000	16.82000	1.15000	6.50200	722.00000
.648	17.870	-2.81000	.06000	-10.25000	.00000	-2.74000	-2.87000	17.95000	1.15000	6.49400	723.00000
	GRADIENT	.04774	.02471	.00136	.00000	.07108	.02303	.99861	-.00136	-.00256	.31861

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E049) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.239	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 49/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.150	.42000	-.03000	-10.24000	.00000	.38000	.45000	-2.11000	1.20000	6.49300	724.00000
.648	-.030	.25000	-.08000	-10.23000	.00000	.18000	.33000	.01000	1.19000	6.48900	725.00000
.648	2.190	.38000	.03000	-10.25000	.00000	.41000	.35000	2.25000	1.19000	6.49500	726.00000
.648	4.470	1.25000	.01000	-10.23000	.00000	1.26000	1.23000	4.47000	1.19000	6.48500	726.00000
.648	6.770	1.27000	.05000	-10.25000	.00000	1.32000	1.22000	6.74000	1.19000	6.48100	727.00000
.648	9.070	.26000	-.06000	-10.24000	.00000	.20000	.32000	8.99000	1.19000	6.48200	727.00000
.648	11.350	.11000	-.02000	-10.25000	.00000	.09000	.13000	11.25000	1.19000	6.48300	728.00000
.648	12.470	-.26000	-.04000	-10.24000	.00000	-.31000	-.22000	12.38000	1.19000	6.48300	729.00000
.648	13.570	-.32000	.00000	-10.25000	.00000	-.33000	-.32000	13.46000	1.19000	6.47200	729.00000
.648	14.640	-.59000	-.01000	-10.24000	.00000	-.60000	-.58000	14.59000	1.19000	6.46400	729.00000
.648	15.740	-.90000	-.07000	-10.22000	.00000	-.97000	-.84000	15.78000	1.20000	6.47300	730.00000
.648	16.840	-1.78000	.07000	-10.23000	.00000	-1.71000	-1.84000	16.82000	1.20000	6.46000	731.00000
.648	17.940	-2.92000	.07000	-10.24000	.00000	-2.85000	-2.99000	17.92000	1.20000	6.47300	731.00000
	GRADIENT	.12030	.01049	.00046	.00000	.13165	.10844	.99538	-.00134	-.00082	.31539

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E050) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.238	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 50/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.010	.23000	-.08000	-10.24000	.00000	.15000	.31000	6.75000	.98000	6.54200	735.00000
.647	-3.990	.49000	-.01000	-10.25000	.00000	.48000	.50000	6.76000	1.03000	6.54400	735.00000
.647	-2.970	.56000	.05000	-10.26000	.00000	.62000	.51000	6.75000	1.06000	6.54100	736.00000
.647	-1.950	1.36000	-.01000	-10.24000	.00000	1.35000	1.37000	6.76000	1.09000	6.53200	736.00000
.647	-.930	1.07000	-.07000	-10.23000	.00000	1.00000	1.14000	6.75000	1.11000	6.52700	737.00000
.647	.010	.61000	.08000	-10.23000	.00000	.69000	.53000	6.74000	1.13000	6.53400	737.00000
.647	1.030	.49000	-.01000	-10.23000	.00000	.48000	.50000	6.74000	1.16000	6.52300	738.00000
.647	2.090	.94000	.02000	-10.23000	.00000	.96000	.92000	6.74000	1.19000	6.52600	738.00000
.647	3.130	.26000	-.01000	-10.24000	.00000	.26000	.27000	6.74000	1.21000	6.53900	739.00000
.647	4.170	.39000	.02000	-10.24000	.00000	.41000	.37000	6.74000	1.24000	6.53900	740.00000
.647	5.200	.07000	-.03000	-10.23000	.00000	.05000	.10000	6.73000	1.27000	6.53000	740.00000
.647	6.230	.27000	.02000	-10.24000	.00000	.30000	.25000	6.74000	1.30000	6.52800	741.00000
.647	7.260	.16000	-.03000	-10.23000	.00000	.13000	.18000	6.74000	1.33000	6.53800	742.00000
	GRADIENT	-.04444	.00091	.00195	.00000	-.04352	-.04535	-.00261	.02526	-.00067	.55810

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E051) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.226	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 51/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.070	-.39000	.02000	-10.23000	.00000	-.37000	-.41000	13.58000	1.00000	6.50600	745.00000
.647	-4.050	-.37000	-.01000	-10.24000	.00000	-.38000	-.36000	13.58000	1.04000	6.51800	746.00000
.647	-3.030	-.32000	.01000	-10.24000	.00000	-.31000	-.33000	13.58000	1.07000	6.50500	746.00000
.647	-2.000	-.09000	-.08000	-10.24000	.00000	-.17000	.00000	13.58000	1.10000	6.50900	747.00000
.647	-.970	-.09000	.09000	-10.22000	.00000	.00000	-.18000	13.58000	1.12000	6.51700	747.00000
.647	.050	.08000	-.07000	-10.22000	.00000	.02000	.15000	13.58000	1.15000	6.50400	748.00000
.647	1.080	.07000	-.06000	-10.21000	.00000	.01000	.13000	13.57000	1.17000	6.50600	748.00000
.647	2.110	-.32000	.03000	-10.20000	.00000	-.29000	-.35000	13.57000	1.19000	6.49900	749.00000
.647	3.140	-.58000	-.02000	-10.22000	.00000	-.60000	-.56000	13.56000	1.22000	6.50500	749.00000
.647	4.180	-.78000	.01000	-10.22000	.00000	-.77000	-.80000	13.56000	1.25000	6.50500	750.00000
.647	5.220	-.80000	.03000	-10.22000	.00000	-.76000	-.83000	13.55000	1.28000	6.49100	750.00000
.647	6.260	-.76000	.07000	-10.23000	.00000	-.68000	-.83000	13.56000	1.31000	6.49200	751.00000
.647	7.290	-.98000	.01000	-10.25000	.00000	-.97000	-.99000	13.56000	1.34000	6.49700	751.00000
	GRADIENT	-.04422	.00099	.00372	.00000	-.04324	-.04618	-.00276	.02464	-.00134	.48627

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E052) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.068	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 52/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.140	.18000	-.03000	-6.05000	.00000	.15000	.21000	-2.04000	1.14000	6.50000	753.00000
.648	.000	.01000	-.04000	-6.13000	.00000	-.03000	.05000	.12000	1.14000	6.50100	754.00000
.648	2.210	.25000	.05000	-6.05000	.00000	.30000	.20000	2.33000	1.14000	6.50300	755.00000
.648	4.440	.53000	.09000	-6.06000	.00000	.62000	.44000	4.53000	1.14000	6.48700	756.00000
.648	6.690	.28000	-.05000	-6.05000	.00000	.23000	.33000	6.80000	1.14000	6.48900	756.00000
.648	8.980	.15000	-.03000	-6.06000	.00000	.12000	.18000	9.06000	1.14000	6.49700	757.00000
.648	11.240	-.07000	-.02000	-6.07000	.00000	-.09000	-.05000	11.32000	1.14000	6.48800	758.00000
.648	12.360	-.34000	.00000	-6.06000	.00000	-.33000	-.34000	12.46000	1.15000	6.47400	759.00000
.648	13.490	-.33000	.00000	-6.07000	.00000	-.33000	-.33000	13.58000	1.15000	6.47000	759.00000
.648	14.570	-.58000	-.04000	-6.05000	.00000	-.63000	-.54000	14.67000	1.15000	6.48500	800.00000
.648	15.660	-1.04000	-.03000	-6.07000	.00000	-1.06000	-1.01000	15.78000	1.15000	6.48200	800.00000
.648	16.790	-1.84000	.05000	-6.08000	.00000	-1.79000	-1.89000	16.89000	1.15000	6.51100	803.00000
.648	17.910	-3.08000	.05000	-6.08000	.00000	-3.03000	-3.13000	18.05000	1.16000	6.51200	803.00000
	GRADIENT	.05922	.02056	.00237	.00000	.07978	.03866	.99859	.00000	-.00170	.45554

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E053) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 53/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.160	.17000	-.07000	-6.07000	.00000	.10000	.25000	-2.05000	1.20000	6.50600	807.00000
.648	-.020	.03000	-.03000	-6.05000	.00000	.00000	.06000	.12000	1.20000	6.51000	807.00000
.648	2.200	.39000	.00000	-6.05000	.00000	.39000	.39000	2.34000	1.20000	6.50700	808.00000
.648	4.480	1.11000	-.04000	-6.07000	.00000	1.07000	1.15000	4.55000	1.20000	6.50900	809.00000
.648	6.780	1.04000	-.07000	-6.06000	.00000	.97000	1.11000	6.83000	1.19000	6.50100	809.00000
.648	9.090	.06000	-.07000	-6.07000	.00000	-.01000	.13000	9.07000	1.19000	6.51300	810.00000
.648	11.360	-.16000	-.02000	-6.07000	.00000	-.19000	-.14000	11.33000	1.19000	6.50700	811.00000
.648	12.470	-.50000	-.08000	-6.06000	.00000	-.58000	-.42000	12.46000	1.20000	6.49700	812.00000
.648	13.570	-.57000	-.04000	-6.06000	.00000	-.61000	-.54000	13.55000	1.20000	6.49700	812.00000
.648	14.660	-.86000	-.01000	-6.06000	.00000	-.88000	-.85000	14.69000	1.20000	6.49900	813.00000
.648	15.760	-1.19000	.00000	-6.06000	.00000	-1.19000	-1.20000	15.78000	1.20000	6.48900	813.00000
.648	16.870	-2.12000	.06000	-6.07000	.00000	-2.05000	-2.18000	16.91000	1.20000	6.49600	814.00000
.648	17.990	-3.05000	.00000	-6.06000	.00000	-3.05000	-3.06000	18.06000	1.21000	6.50200	815.00000
	GRADIENT	.14484	.00531	-.00006	.00000	.15014	.13819	.99444	.00000	.00027	.31757

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E054) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 54/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.010	.09000	-.06000	-6.07000	.00000	.03000	.15000	6.81000	.99000	6.51600	818.00000
.647	-3.990	.27000	.05000	-6.07000	.00000	.33000	.22000	6.81000	1.03000	6.51200	819.00000
.647	-2.970	.21000	-.06000	-6.07000	.00000	.15000	.27000	6.81000	1.06000	6.52000	820.00000
.647	-1.950	1.14000	-.10000	-6.06000	.00000	1.04000	1.25000	6.81000	1.09000	6.51300	821.00000
.647	-.930	.39000	.03000	-6.06000	.00000	.42000	.36000	6.80000	1.11000	6.51900	821.00000
.647	.010	.23000	-.12000	-6.05000	.00000	.11000	.36000	6.79000	1.14000	6.51200	822.00000
.647	1.040	.16000	-.10000	-6.05000	.00000	.06000	.26000	6.83000	1.16000	6.51400	822.00000
.647	2.090	.89000	.05000	-6.06000	.00000	.95000	.84000	6.84000	1.19000	6.51200	823.00000
.647	3.130	.02000	-.03000	-6.05000	.00000	-.01000	.05000	6.82000	1.22000	6.51300	824.00000
.647	4.180	.03000	-.04000	-6.06000	.00000	-.01000	.06000	6.82000	1.25000	6.51700	825.00000
.647	5.200	-.18000	-.05000	-6.06000	.00000	-.22000	-.13000	6.81000	1.27000	6.50100	825.00000
.647	6.230	.18000	-.01000	-6.07000	.00000	.17000	.19000	6.82000	1.30000	6.51300	826.00000
.647	7.260	.08000	.00000	-6.08000	.00000	.08000	.08000	6.82000	1.33000	6.51000	827.00000
	GRADIENT	-.03699	-.00152	.00178	.00000	-.03883	-.03646	.00263	.02638	-.00012	.67242

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E055) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 55/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.070	-.71000	.05000	-6.07000	.00000	-.66000	-.77000	13.60000	1.00000	6.51000	829.00000
.648	-4.060	-.75000	.05000	-6.06000	.00000	-.70000	-.79000	13.59000	1.05000	6.50300	829.00000
.648	-3.030	-.58000	-.03000	-6.06000	.00000	-.61000	-.55000	13.59000	1.07000	6.50700	830.00000
.648	-2.000	-.33000	-.06000	-6.06000	.00000	-.39000	-.28000	13.60000	1.10000	6.50500	831.00000
.648	-.970	-.30000	-.04000	-6.06000	.00000	-.34000	-.26000	13.59000	1.12000	6.49700	831.00000
.648	.050	-.32000	-.05000	-6.06000	.00000	-.38000	-.27000	13.59000	1.14000	6.50000	832.00000
.648	1.080	-.44000	.04000	-6.06000	.00000	-.40000	-.48000	13.59000	1.17000	6.50400	833.00000
.648	2.110	-.56000	-.06000	-6.05000	.00000	-.62000	-.49000	13.59000	1.19000	6.50200	833.00000
.648	3.140	-.84000	.02000	-6.05000	.00000	-.82000	-.86000	13.58000	1.22000	6.50900	834.00000
.648	4.180	-1.00000	-.01000	-6.07000	.00000	-1.00000	-.99000	13.57000	1.25000	6.50400	834.00000
.648	5.230	-1.05000	-.05000	-6.05000	.00000	-1.09000	-1.00000	13.57000	1.28000	6.50900	835.00000
.648	6.260	-.79000	-.04000	-6.07000	.00000	-.83000	-.75000	13.59000	1.31000	6.50800	836.00000
.648	7.290	-1.09000	.01000	-6.08000	.00000	-1.08000	-1.10000	13.58000	1.33000	6.49100	836.00000
	GRADIENT	-.03860	-.00016	.00016	.00000	-.03812	-.03844	-.00211	.02397	.00018	.61538

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E056) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.094	BETA =	.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 56/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.160	-1.34000	.02000	.12000	.00000	-1.32000	-1.35000	-2.05000	1.14000	6.50100	839.00000
.647	-.010	-1.15000	.02000	.10000	.00000	-1.13000	-1.18000	.13000	1.14000	6.50200	840.00000
.647	2.210	-1.05000	.04000	.12000	.00000	-1.01000	-1.10000	2.33000	1.14000	6.50200	841.00000
.647	4.440	-.99000	.07000	.12000	.00000	-.91000	-1.06000	4.53000	1.14000	6.49900	841.00000
.647	6.690	-1.10000	-.03000	.13000	.00000	-1.12000	-1.07000	6.80000	1.14000	6.49300	842.00000
.647	8.970	-1.26000	.02000	.11000	.00000	-1.25000	-1.28000	9.06000	1.14000	6.50000	842.00000
.647	11.240	-1.09000	.00000	.12000	.00000	-1.09000	-1.09000	11.33000	1.14000	6.50600	843.00000
.647	12.370	-1.54000	.09000	.12000	.00000	-1.45000	-1.63000	12.47000	1.15000	6.50300	844.00000
.647	13.500	-1.90000	.05000	.11000	.00000	-1.85000	-1.96000	13.67000	1.14000	6.50500	844.00000
.647	14.570	-2.60000	.06000	.08000	.00000	-2.54000	-2.67000	14.75000	1.15000	6.49600	845.00000
.647	15.660	-3.18000	.06000	.08000	.00000	-3.12000	-3.24000	15.85000	1.15000	6.50900	846.00000
.647	16.780	-3.77000	.05000	.05000	.00000	-3.71000	-3.82000	16.98000	1.15000	6.50300	846.00000
.647	17.900	-4.75000	.14000	-.04000	.00000	-4.61000	-4.89000	18.11000	1.16000	6.49500	847.00000
	GRADIENT	.05211	.00775	.00093	.00000	.06122	.04303	.99631	.00000	-.00028	.31717

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E057) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.089	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 57/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.170	-1.33000	.02000	.15000	.00000	-1.31000	-1.34000	-2.00000	1.20000	6.50000	848.00000
.648	-.040	-1.30000	.04000	.16000	.00000	-1.27000	-1.34000	.18000	1.19000	6.49100	849.00000
.648	2.190	-1.12000	.01000	.16000	.00000	-1.12000	-1.13000	2.39000	1.19000	6.50000	850.00000
.648	4.450	-1.09000	.03000	.15000	.00000	-1.06000	-1.12000	4.60000	1.19000	6.50200	850.00000
.648	6.760	-1.15000	-.04000	.11000	.00000	-1.18000	-1.11000	6.88000	1.19000	6.49800	851.00000
.648	9.070	-1.30000	.06000	.09000	.00000	-1.24000	-1.36000	9.11000	1.19000	6.49100	851.00000
.648	11.340	-1.22000	.03000	.08000	.00000	-1.19000	-1.24000	11.37000	1.19000	6.49400	852.00000
.648	12.480	-1.64000	.04000	.07000	.00000	-1.60000	-1.68000	12.52000	1.19000	6.51300	856.00000
.648	13.590	-2.13000	.03000	.09000	.00000	-2.10000	-2.16000	13.66000	1.19000	6.51900	857.00000
.648	14.670	-2.65000	-.01000	.08000	.00000	-2.67000	-2.64000	14.75000	1.20000	6.52200	857.00000
.648	15.760	-3.18000	.06000	.07000	.00000	-3.12000	-3.24000	15.84000	1.20000	6.51300	858.00000
.648	16.860	-3.89000	.02000	.02000	.00000	-3.87000	-3.92000	16.96000	1.20000	6.51700	859.00000
.648	17.990	-4.56000	.09000	-.07000	.00000	-4.47000	-4.65000	18.09000	1.21000	6.51500	900.00000
	GRADIENT	.04078	-.00001	-.00003	.00000	.04079	.03945	.99624	-.00134	.00070	.31564

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E058) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.155	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 58/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.000	-1.53000	.04000	.10000	.00000	-1.49000	-1.57000	6.89000	1.22000	6.52100	904.00000
.648	-3.990	-1.24000	-.02000	.11000	.00000	-1.26000	-1.21000	6.89000	1.31000	6.51500	905.00000
.648	-2.970	-1.26000	.01000	.12000	.00000	-1.25000	-1.27000	6.89000	1.33000	6.51500	905.00000
.648	-1.950	-1.07000	.00000	.12000	.00000	-1.07000	-1.07000	6.89000	1.36000	6.51800	906.00000
.648	-.930	-1.12000	.01000	.17000	.00000	-1.11000	-1.13000	6.88000	1.38000	6.51200	907.00000
.648	.010	-1.14000	.00000	.18000	.00000	-1.14000	-1.15000	6.88000	1.41000	6.52200	908.00000
.648	1.040	-1.12000	.04000	.18000	.00000	-1.08000	-1.16000	6.88000	1.43000	6.51300	908.00000
.648	2.090	-1.17000	-.01000	.18000	.00000	-1.17000	-1.16000	6.88000	1.46000	6.52700	909.00000
.648	3.130	-1.17000	.00000	.19000	.00000	-1.17000	-1.18000	6.88000	1.48000	6.52000	909.00000
.648	4.170	-1.32000	.07000	.18000	.00000	-1.25000	-1.39000	6.87000	1.51000	6.51200	910.00000
.648	5.190	-1.39000	-.01000	.17000	.00000	-1.40000	-1.38000	6.87000	1.54000	6.51000	911.00000
.648	6.220	-1.40000	-.02000	.17000	.00000	-1.41000	-1.38000	6.87000	1.56000	6.50200	911.00000
.648	7.250	-1.33000	.06000	.14000	.00000	-1.27000	-1.39000	6.88000	1.59000	6.52400	912.00000
	GRADIENT	-.00424	.00559	.01012	.00000	.00168	-.01097	-.00213	.02459	.00035	.63872

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E059) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .042 ALPHA = 12.000
SPDBRK = 15.000 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 59/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-2.33000	.08000	.09000	.00000	-2.25000	-2.41000	13.67000	1.27000	6.52000	914.00000
.648	-4.050	-2.49000	.04000	.14000	.00000	-2.45000	-2.53000	13.67000	1.32000	6.51100	915.00000
.648	-3.020	-2.28000	.03000	.15000	.00000	-2.25000	-2.31000	13.66000	1.34000	6.50800	915.00000
.648	-2.000	-2.21000	.04000	.16000	.00000	-2.17000	-2.25000	13.66000	1.37000	6.51200	916.00000
.648	-.970	-1.99000	.02000	.16000	.00000	-1.97000	-2.02000	13.66000	1.39000	6.50800	916.00000
.648	.050	-1.86000	.10000	.18000	.00000	-1.77000	-1.96000	13.66000	1.41000	6.50000	917.00000
.648	1.080	-1.84000	.11000	.18000	.00000	-1.73000	-1.95000	13.65000	1.44000	6.50900	917.00000
.648	2.110	-1.98000	.08000	-.06000	.00000	-1.89000	-2.06000	13.66000	1.46000	6.51500	918.00000
.648	3.140	-2.28000	.06000	-.07000	.00000	-2.22000	-2.34000	13.65000	1.49000	6.50800	918.00000
.648	4.180	-2.37000	-.02000	-.09000	.00000	-2.39000	-2.36000	13.65000	1.51000	6.50800	919.00000
.648	5.220	-2.33000	.06000	-.09000	.00000	-2.27000	-2.39000	13.65000	1.54000	6.50000	919.00000
.648	6.250	-2.28000	.10000	-.11000	.00000	-2.18000	-2.39000	13.65000	1.57000	6.50200	920.00000
.648	7.280	-2.50000	.00000	-.10000	.00000	-2.50000	-2.49000	13.66000	1.60000	6.51300	920.00000
	GRADIENT	.01754	.00030	-.03246	.00000	.01816	.01675	-.00195	.02335	-.00008	.48647

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E060) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 6.037 BETA = .000
SPDBRK = 15.000 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 60/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.180	-2.47000	-.02000	6.03000	.00000	-2.50000	-2.45000	-2.00000	1.41000	6.51400	923.00000
.648	-.030	-2.48000	-.01000	6.04000	.00000	-2.48000	-2.47000	.15000	1.41000	6.50400	924.00000
.648	2.190	-2.19000	.11000	6.04000	.00000	-2.08000	-2.30000	2.36000	1.41000	6.50400	924.00000
.648	4.430	-1.94000	-.03000	6.04000	.00000	-1.97000	-1.91000	4.57000	1.41000	6.50400	925.00000
.648	6.670	-1.97000	.04000	6.03000	.00000	-1.94000	-2.01000	6.86000	1.41000	6.50800	925.00000
.648	8.960	-2.16000	.03000	6.04000	.00000	-2.13000	-2.19000	9.13000	1.41000	6.51300	926.00000
.648	11.230	-1.91000	.01000	6.04000	.00000	-1.91000	-1.92000	11.40000	1.41000	6.51500	926.00000
.648	12.360	-2.38000	.10000	6.04000	.00000	-2.28000	-2.47000	12.53000	1.42000	6.50500	927.00000
.648	13.500	-2.75000	.02000	6.04000	.00000	-2.73000	-2.78000	13.64000	1.41000	6.51000	927.00000
.648	14.570	-3.18000	.05000	6.04000	.00000	-3.13000	-3.23000	14.76000	1.42000	6.50400	928.00000
.648	15.670	-3.75000	.11000	6.03000	.00000	-3.64000	-3.86000	15.86000	1.42000	6.50300	929.00000
.648	16.780	-4.59000	.04000	6.04000	.00000	-4.54000	-4.63000	16.99000	1.42000	6.49900	929.00000
.648	17.910	-5.56000	.07000	6.03000	.00000	-5.48000	-5.63000	18.10000	1.43000	6.51000	930.00000
	GRADIENT	.08553	.00398	.00135	.00000	.09039	.08155	.99408	.00000	-.00135	.27188

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E061) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.984	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 61/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.180	-2.50000	.04000	5.90000	.00000	-2.46000	-2.55000	-2.01000	1.47000	6.49800	932.00000
.647	-.040	-2.50000	.04000	5.90000	.00000	-2.46000	-2.54000	.14000	1.46000	6.50100	933.00000
.647	2.180	-2.18000	.06000	5.89000	.00000	-2.12000	-2.24000	2.36000	1.46000	6.49700	933.00000
.647	4.450	-1.93000	.03000	6.02000	.00000	-1.95000	-1.90000	4.57000	1.46000	6.49500	934.00000
.647	6.750	-1.93000	.03000	6.03000	.00000	-1.90000	-1.95000	6.87000	1.46000	6.49100	934.00000
.647	9.070	-2.19000	.02000	6.02000	.00000	-2.17000	-2.20000	9.10000	1.46000	6.50000	935.00000
.647	11.350	-1.88000	.03000	6.02000	.00000	-1.85000	-1.91000	11.38000	1.46000	6.50300	936.00000
.647	12.470	-2.54000	.00000	6.01000	.00000	-2.54000	-2.54000	12.51000	1.47000	6.49400	936.00000
.647	13.560	-3.00000	.04000	6.00000	.00000	-2.96000	-3.05000	13.62000	1.46000	6.48600	937.00000
.647	14.660	-3.23000	.06000	6.00000	.00000	-3.17000	-3.29000	14.73000	1.47000	6.50100	937.00000
.647	15.750	-3.82000	.00000	6.00000	.00000	-3.82000	-3.81000	15.83000	1.47000	6.48700	938.00000
.647	16.860	-4.75000	.15000	6.00000	.00000	-4.61000	-4.90000	16.96000	1.47000	6.49800	939.00000
.647	17.980	-5.52000	.09000	6.00000	.00000	-5.43000	-5.60000	18.08000	1.48000	6.49300	939.00000
	GRADIENT	.09215	-.00870	.01599	.00000	.08482	.10220	.99313	-.00134	-.00073	.27120

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E062) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	6.009	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 62/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.000	-2.67000	-.08000	6.00000	.00000	-2.75000	-2.59000	6.88000	1.26000	6.50200	943.00000
.648	-3.980	-2.32000	.01000	6.01000	.00000	-2.32000	-2.33000	6.88000	1.31000	6.49000	944.00000
.648	-2.970	-2.24000	.06000	6.01000	.00000	-2.18000	-2.29000	6.88000	1.33000	6.49800	944.00000
.648	-1.940	-2.16000	.17000	6.00000	.00000	-1.99000	-2.34000	6.88000	1.36000	6.49000	945.00000
.648	-.930	-2.20000	.06000	6.02000	.00000	-2.15000	-2.26000	6.87000	1.38000	6.49800	946.00000
.648	.010	-1.96000	.04000	6.02000	.00000	-1.92000	-2.00000	6.87000	1.41000	6.49400	946.00000
.648	1.040	-1.98000	.01000	6.00000	.00000	-1.98000	-1.99000	6.87000	1.43000	6.49500	947.00000
.648	2.080	-1.97000	.02000	6.00000	.00000	-1.95000	-1.99000	6.87000	1.46000	6.48700	947.00000
.648	3.130	-2.14000	.07000	6.02000	.00000	-2.07000	-2.21000	6.87000	1.48000	6.49300	948.00000
.648	4.160	-2.40000	.05000	6.01000	.00000	-2.35000	-2.45000	6.86000	1.51000	6.48900	948.00000
.648	5.190	-2.71000	.00000	6.01000	.00000	-2.70000	-2.71000	6.86000	1.53000	6.48100	949.00000
.648	6.220	-2.74000	-.03000	6.00000	.00000	-2.77000	-2.71000	6.86000	1.56000	6.49300	949.00000
.648	7.250	-2.92000	.05000	6.02000	.00000	-2.87000	-2.98000	6.86000	1.58000	6.48500	950.00000
	GRADIENT	.00899	-.00254	.00017	.00000	.00712	.01137	-.00213	.02464	-.00046	.54199

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E063) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	6.008	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 63/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.070	-3.31000	.11000	6.02000	.00000	-3.20000	-3.42000	13.65000	1.28000	6.49200	952.00000
.647	-4.050	-3.11000	.08000	6.01000	.00000	-3.03000	-3.19000	13.65000	1.32000	6.48400	953.00000
.647	-3.030	-3.11000	.07000	6.00000	.00000	-3.04000	-3.19000	13.65000	1.34000	6.48700	953.00000
.647	-2.000	-2.94000	.04000	6.01000	.00000	-2.90000	-2.98000	13.65000	1.37000	6.48100	954.00000
.647	-.970	-2.83000	.09000	6.02000	.00000	-2.74000	-2.91000	13.65000	1.39000	6.47700	954.00000
.647	.050	-2.63000	.05000	6.01000	.00000	-2.58000	-2.67000	13.66000	1.41000	6.49300	955.00000
.647	1.080	-2.80000	.08000	6.00000	.00000	-2.71000	-2.88000	13.65000	1.44000	6.48500	955.00000
.647	2.110	-3.00000	.06000	6.01000	.00000	-2.93000	-3.06000	13.65000	1.46000	6.48700	956.00000
.647	3.140	-3.21000	.07000	6.01000	.00000	-3.13000	-3.28000	13.64000	1.49000	6.48800	957.00000
.647	4.180	-3.20000	.03000	6.01000	.00000	-3.17000	-3.23000	13.63000	1.51000	6.47400	957.00000
.647	5.220	-3.24000	-.01000	6.00000	.00000	-3.25000	-3.23000	13.64000	1.54000	6.48200	958.00000
.647	6.250	-3.42000	.13000	6.00000	.00000	-3.29000	-3.55000	13.65000	1.57000	6.48300	958.00000
.647	7.280	-3.65000	.10000	6.00000	.00000	-3.56000	-3.75000	13.64000	1.59000	6.48300	959.00000
	GRADIENT	-.01224	-.00276	.00016	.00000	-.01403	-.00916	-.00179	.02334	-.00028	.53487

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E064) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.995	BETA =	.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 64/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.180	-2.96000	.11000	12.08000	.00000	-2.85000	-3.08000	-2.00000	1.41000	6.48100	1001.00000
.647	-.030	-3.00000	.07000	12.02000	.00000	-2.93000	-3.08000	.15000	1.41000	6.48200	1002.00000
.647	2.190	-2.78000	.13000	12.01000	.00000	-2.65000	-2.91000	2.39000	1.41000	6.48400	1002.00000
.647	4.420	-2.53000	.06000	12.00000	.00000	-2.47000	-2.60000	4.57000	1.41000	6.48000	1003.00000
.647	6.670	-2.64000	.04000	11.97000	.00000	-2.61000	-2.68000	6.87000	1.41000	6.48800	1003.00000
.647	8.950	-2.88000	.08000	11.98000	.00000	-2.80000	-2.96000	9.12000	1.41000	6.47800	1004.00000
.647	11.230	-2.44000	.06000	11.97000	.00000	-2.39000	-2.50000	11.40000	1.41000	6.48300	1004.00000
.647	12.360	-3.00000	.05000	11.96000	.00000	-2.95000	-3.05000	12.54000	1.42000	6.48600	1005.00000
.647	13.490	-3.22000	.08000	11.95000	.00000	-3.14000	-3.30000	13.67000	1.42000	6.48300	1006.00000
.647	14.570	-3.94000	.19000	11.96000	.00000	-3.75000	-4.13000	14.76000	1.42000	6.47300	1006.00000
.647	15.670	-4.50000	.06000	11.99000	.00000	-4.44000	-4.56000	15.86000	1.42000	6.47800	1007.00000
.647	16.770	-5.47000	.12000	11.98000	.00000	-5.35000	-5.59000	16.98000	1.42000	6.47400	1007.00000
.647	17.910	-6.68000	.01000	12.06000	.00000	-6.66000	-6.69000	18.13000	1.43000	6.48200	1008.00000
	GRADIENT	.06884	-.00408	-.01131	.00000	.06475	.07337	.99679	.00000	-.00005	.27221

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E065) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 12.007 BETA = 2.000
SPDBRK = 15.000 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 65/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.090	-3.16000	.08000	12.05000	.00000	-3.08000	-3.24000	-2.02000	1.47000	6.48900	1010.00000
.648	.080	-3.00000	.05000	12.05000	.00000	-2.95000	-3.05000	.19000	1.46000	6.47100	1011.00000
.648	2.300	-2.91000	.04000	12.03000	.00000	-2.88000	-2.95000	2.40000	1.46000	6.47700	1012.00000
.648	4.540	-2.72000	.03000	12.00000	.00000	-2.68000	-2.75000	4.60000	1.46000	6.48000	1012.00000
.648	6.790	-2.77000	.04000	12.01000	.00000	-2.73000	-2.81000	6.87000	1.46000	6.49100	1013.00000
.648	9.030	-2.99000	.06000	11.99000	.00000	-2.93000	-3.05000	9.13000	1.46000	6.48700	1013.00000
.648	11.270	-2.75000	.06000	11.98000	.00000	-2.69000	-2.81000	11.40000	1.46000	6.48500	1014.00000
.648	12.400	-3.15000	.07000	12.00000	.00000	-3.08000	-3.22000	12.53000	1.47000	6.48700	1014.00000
.648	13.500	-3.51000	.02000	12.00000	.00000	-3.49000	-3.53000	13.65000	1.47000	6.47800	1015.00000
.648	14.590	-4.14000	.10000	12.00000	.00000	-4.04000	-4.24000	14.76000	1.47000	6.48500	1016.00000
.648	15.680	-4.59000	.08000	12.00000	.00000	-4.51000	-4.67000	15.87000	1.47000	6.48300	1016.00000
.648	16.790	-5.55000	.10000	11.99000	.00000	-5.45000	-5.66000	16.99000	1.48000	6.48300	1017.00000
.648	17.920	-6.51000	.11000	11.99000	.00000	-6.40000	-6.62000	18.14000	1.48000	6.48400	1017.00000
	GRADIENT	.06378	-.00722	-.00771	.00000	.05748	.07100	.99813	-.00135	-.00093	.31593

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E066) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.028	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 66/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.020	-3.25000	.13000	12.01000	.00000	-3.12000	-3.38000	6.87000	1.26000	6.47300	1021.00000
.647	-3.990	-3.03000	.06000	12.01000	.00000	-2.97000	-3.10000	6.88000	1.31000	6.47900	1022.00000
.647	-2.970	-2.94000	.14000	12.03000	.00000	-2.80000	-3.09000	6.87000	1.33000	6.47300	1022.00000
.647	-1.960	-2.74000	.06000	12.03000	.00000	-2.68000	-2.81000	6.87000	1.36000	6.47000	1022.00000
.647	-.940	-2.74000	.08000	12.03000	.00000	-2.66000	-2.82000	6.86000	1.38000	6.46800	1023.00000
.647	.010	-2.56000	.06000	12.04000	.00000	-2.50000	-2.62000	6.87000	1.41000	6.47400	1023.00000
.647	1.030	-2.69000	.04000	12.02000	.00000	-2.65000	-2.72000	6.88000	1.43000	6.47200	1024.00000
.647	2.090	-2.85000	.10000	12.03000	.00000	-2.75000	-2.95000	6.88000	1.46000	6.47400	1024.00000
.647	3.130	-2.93000	.02000	12.03000	.00000	-2.91000	-2.95000	6.88000	1.48000	6.48000	1025.00000
.647	4.170	-3.09000	.07000	12.03000	.00000	-3.01000	-3.16000	6.87000	1.51000	6.48100	1025.00000
.647	5.200	-3.32000	.10000	12.03000	.00000	-3.22000	-3.43000	6.86000	1.54000	6.47600	1026.00000
.647	6.220	-3.32000	.06000	12.04000	.00000	-3.26000	-3.39000	6.87000	1.56000	6.48100	1026.00000
.647	7.250	-3.39000	-.01000	12.03000	.00000	-3.40000	-3.38000	6.86000	1.59000	6.46900	1027.00000
	GRADIENT	-.00680	-.00455	.00114	.00000	-.01070	-.00062	.00049	.02458	.00068	.42630

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E067) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 12.004 ALPHA = 12.000
SPDBRK = 15.000 BDFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 67/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-6.070	-4.05000	.03000	12.00000	.00000	-4.03000	-4.08000	13.66000	1.27000	6.48500	1029.00000
.649	-4.050	-3.67000	.05000	12.01000	.00000	-3.62000	-3.72000	13.65000	1.32000	6.46700	1030.00000
.649	-3.030	-3.36000	.11000	12.01000	.00000	-3.25000	-3.48000	13.66000	1.34000	6.47200	1030.00000
.649	-2.000	-3.37000	.05000	12.00000	.00000	-3.33000	-3.42000	13.65000	1.37000	6.46700	1031.00000
.649	-.970	-3.18000	-.01000	12.01000	.00000	-3.19000	-3.18000	13.66000	1.39000	6.47100	1031.00000
.649	.050	-3.10000	.06000	12.01000	.00000	-3.04000	-3.17000	13.66000	1.42000	6.46700	1032.00000
.649	1.080	-3.32000	.04000	12.01000	.00000	-3.28000	-3.36000	13.65000	1.44000	6.47100	1032.00000
.649	2.110	-3.54000	.10000	12.01000	.00000	-3.44000	-3.64000	13.64000	1.46000	6.47000	1033.00000
.649	3.140	-3.69000	.01000	12.00000	.00000	-3.67000	-3.70000	13.64000	1.49000	6.46600	1033.00000
.649	4.180	-4.22000	.15000	12.00000	.00000	-4.08000	-4.37000	13.64000	1.52000	6.47800	1034.00000
.649	5.220	-4.23000	.15000	12.00000	.00000	-4.07000	-4.38000	13.63000	1.54000	6.44900	1034.00000
.649	6.250	-4.46000	.09000	12.00000	.00000	-4.38000	-4.55000	13.64000	1.57000	6.47000	1035.00000
.649	7.290	-4.60000	.06000	11.99000	.00000	-4.54000	-4.66000	13.63000	1.60000	6.46400	1035.00000
	GRADIENT	-.05966	.00406	-.00081	.00000	-.05543	-.06307	-.00211	.02399	.00052	.48627

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E068) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.259	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 68/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.140	-.13000	-.02000	-10.26000	.00000	-.15000	-.10000	-2.16000	.02000	6.47300	1335.00000
.647	-.010	-.34000	.00000	-10.26000	.00000	-.34000	-.35000	.00000	.01000	6.46800	1336.00000
.647	2.210	-.14000	-.06000	-10.27000	.00000	-.19000	-.08000	2.20000	.01000	6.48200	1336.00000
.647	3.980	.20000	.04000	-10.26000	.00000	.24000	.16000	3.92000	.01000	6.49400	1339.00000
.647	5.960	.20000	.01000	-10.27000	.00000	.21000	.19000	5.94000	.01000	6.49600	1339.00000
.647	8.000	.04000	-.07000	-10.25000	.00000	-.03000	.11000	7.94000	.01000	6.49400	1340.00000
.647	10.030	.02000	-.09000	-10.25000	.00000	-.07000	.12000	9.97000	.02000	6.49900	1341.00000
.647	11.050	.03000	.06000	-10.26000	.00000	.08000	-.03000	10.99000	.02000	6.49600	1342.00000
.647	12.020	-.24000	.00000	-10.26000	.00000	-.24000	-.24000	11.98000	.02000	6.49200	1342.00000
.647	13.040	-.30000	-.03000	-10.25000	.00000	-.33000	-.27000	12.99000	.02000	6.49200	1343.00000
.647	14.040	-.50000	-.04000	-10.27000	.00000	-.54000	-.46000	14.01000	.02000	6.49200	1344.00000
.647	15.030	-.70000	-.03000	-10.26000	.00000	-.72000	-.67000	15.00000	.02000	6.48900	1344.00000
.647	16.050	-.96000	-.03000	-10.25000	.00000	-.99000	-.93000	16.03000	.02000	6.49400	1345.00000
	GRADIENT	.05571	.00517	-.00057	.00000	.06145	.04953	.99353	-.00148	.00369	.56823

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E069) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.252	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 69/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.646	-2.100	-.03000	-.04000	-10.23000	.00000	-.08000	.01000	-2.08000	2.10000	6.48500	1357.00000
.646	-.080	-.39000	-.02000	-10.26000	.00000	-.41000	-.36000	-.08000	2.09000	6.48300	1349.00000
.646	1.930	-.05000	-.02000	-10.26000	.00000	-.07000	-.04000	1.94000	2.08000	6.48500	1348.00000
.646	3.990	.25000	.09000	-10.24000	.00000	.34000	.16000	3.94000	2.08000	6.49400	1351.00000
.646	6.030	.39000	-.01000	-10.25000	.00000	.38000	.39000	5.92000	2.08000	6.49500	1351.00000
.646	8.110	.12000	-.04000	-10.26000	.00000	.08000	.16000	7.98000	2.08000	6.48800	1352.00000
.646	10.130	-.15000	-.05000	-10.25000	.00000	-.19000	-.10000	9.98000	2.08000	6.49400	1352.00000
.646	11.140	-.30000	.01000	-10.26000	.00000	-.29000	-.31000	10.99000	2.08000	6.49300	1353.00000
.646	12.130	-.41000	-.09000	-10.25000	.00000	-.50000	-.33000	11.99000	2.09000	6.49300	1353.00000
.646	13.140	-.64000	-.01000	-10.27000	.00000	-.65000	-.64000	13.01000	2.09000	6.49700	1354.00000
.646	14.110	-.70000	-.02000	-10.26000	.00000	-.72000	-.67000	14.00000	2.09000	6.48200	1354.00000
.646	15.110	-.99000	-.05000	-10.26000	.00000	-1.05000	-.94000	15.01000	2.10000	6.47800	1355.00000
.646	16.120	-1.16000	.02000	-10.24000	.00000	-1.13000	-1.18000	16.03000	2.10000	6.48200	1355.00000
	GRADIENT	.05840	.01929	-.00146	.00000	.07917	.03813	.99010	-.00345	.00144	-.93195

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E070) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.242	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 70/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.040	-.06000	.00000	-10.24000	.00000	-.05000	-.06000	5.95000	-6.13000	6.48400	1400.00000
.647	-3.990	.15000	.03000	-10.25000	.00000	.19000	.12000	5.95000	-4.08000	6.47600	1400.00000
.647	-2.960	.18000	.06000	-10.24000	.00000	.25000	.12000	5.95000	-3.06000	6.48800	1401.00000
.647	-1.940	.78000	.04000	-10.24000	.00000	.81000	.74000	5.96000	-2.03000	6.48800	1401.00000
.647	-.930	.37000	-.07000	-10.23000	.00000	.30000	.44000	5.93000	-1.00000	6.48600	1402.00000
.647	.090	.20000	.02000	-10.23000	.00000	.22000	.17000	5.76000	.01000	6.48100	1404.00000
.647	1.150	.28000	.10000	-10.22000	.00000	.37000	.18000	5.92000	1.05000	6.47500	1404.00000
.647	2.180	.38000	.01000	-10.22000	.00000	.39000	.38000	5.92000	2.09000	6.48300	1405.00000
.647	3.210	-.03000	-.01000	-10.23000	.00000	-.04000	-.02000	5.91000	3.11000	6.48300	1406.00000
.647	4.240	-.27000	-.05000	-10.23000	.00000	-.33000	-.22000	5.92000	4.14000	6.47800	1406.00000
.647	5.260	-.43000	-.03000	-10.26000	.00000	-.46000	-.40000	5.92000	5.15000	6.50400	1409.00000
.647	6.310	-.05000	.09000	-10.26000	.00000	.04000	-.14000	5.90000	6.21000	6.51000	1409.00000
.647	7.330	.11000	-.02000	-10.29000	.00000	.09000	.13000	5.90000	7.24000	6.51500	1410.00000
	GRADIENT	-.05191	-.00677	.00259	.00000	-.06031	-.04481	-.00527	.99885	-.00045	.79331

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E071) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.231	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 71/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.050	-.71000	-.04000	-10.23000	.00000	-.76000	-.67000	11.99000	-6.10000	6.51200	1415.00000
.648	-4.050	-.53000	.01000	-10.23000	.00000	-.51000	-.54000	12.00000	-4.07000	6.51100	1415.00000
.648	-3.020	-.54000	.01000	-10.23000	.00000	-.53000	-.55000	12.00000	-3.04000	6.50700	1416.00000
.648	-2.000	-.34000	-.03000	-10.23000	.00000	-.37000	-.31000	12.00000	-2.02000	6.50500	1416.00000
.648	-.970	-.36000	-.05000	-10.23000	.00000	-.41000	-.31000	12.01000	-.99000	6.52000	1417.00000
.648	.050	-.23000	.07000	-10.23000	.00000	-.16000	-.30000	12.00000	.02000	6.50900	1418.00000
.648	1.070	-.08000	-.02000	-10.23000	.00000	-.10000	-.06000	12.00000	1.05000	6.50500	1418.00000
.648	2.100	-.43000	.01000	-10.21000	.00000	-.42000	-.43000	11.99000	2.09000	6.50500	1420.00000
.648	3.140	-.58000	.03000	-10.22000	.00000	-.55000	-.60000	11.98000	3.12000	6.50800	1421.00000
.648	4.180	-.58000	.02000	-10.23000	.00000	-.56000	-.61000	11.98000	4.15000	6.50600	1421.00000
.648	5.220	-.67000	-.08000	-10.23000	.00000	-.74000	-.59000	11.98000	5.18000	6.50900	1421.00000
.648	6.250	-.74000	.00000	-10.24000	.00000	-.75000	-.74000	11.98000	6.22000	6.50800	1422.00000
.648	7.290	-.61000	.02000	-10.26000	.00000	-.59000	-.63000	11.98000	7.25000	6.50800	1423.00000
	GRADIENT	-.00372	.00341	.00113	.00000	-.00095	-.00697	-.00276	.99967	-.00052	.77883

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E072) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.019	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 72/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.020	-.35000	-.84000	-6.03000	.00000	-1.19000	.49000	-2.07000	.01000	6.50300	1434.00000
.648	-.030	-.35000	-.85000	-6.02000	.00000	-1.21000	.50000	-.06000	.00000	6.51000	1434.00000
.648	2.030	-.11000	-.96000	-6.01000	.00000	-1.08000	.85000	1.99000	.00000	6.50300	1435.00000
.648	4.040	-.02000	-.89000	-6.03000	.00000	-.91000	.87000	3.97000	.00000	6.50400	1435.00000
.648	5.990	.04000	-.87000	-6.03000	.00000	-.82000	.91000	5.94000	.01000	6.50700	1436.00000
.648	8.040	-.07000	-.96000	-6.03000	.00000	-1.03000	.89000	7.97000	.01000	6.49800	1436.00000
.648	10.050	-.31000	-.82000	-6.01000	.00000	-1.12000	.51000	9.98000	.01000	6.49900	1437.00000
.648	11.080	-.16000	-.99000	-6.02000	.00000	-1.15000	.83000	11.00000	.01000	6.50100	1438.00000
.648	12.070	-.38000	-.87000	-6.02000	.00000	-1.25000	.49000	12.00000	.01000	6.50900	1438.00000
.648	13.080	-.47000	-.91000	-6.02000	.00000	-1.39000	.44000	13.02000	.01000	6.51000	1438.00000
.648	14.080	-.74000	-.90000	-6.02000	.00000	-1.64000	.16000	14.01000	.01000	6.50500	1439.00000
.648	15.080	-1.14000	-.92000	-6.00000	.00000	-2.05000	-.22000	15.03000	.02000	6.50500	1440.00000
.648	16.090	-1.50000	-.97000	-6.01000	.00000	-2.47000	-.52000	16.05000	.02000	6.49500	1440.00000
	GRADIENT	.06090	-.01291	.00050	.00000	.04800	.07381	.99653	-.00148	-.00021	.19821

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E073) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.015	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 73/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.060	-.43000	-.83000	-6.01000	.00000	-1.26000	.39000	-2.08000	2.09000	6.50200	1442.00000
.648	-.050	-.31000	-.97000	-6.02000	.00000	-1.28000	.65000	-.06000	2.09000	6.50600	1442.00000
.648	1.940	-.17000	-.82000	-6.00000	.00000	-.99000	.64000	1.91000	2.08000	6.49000	1443.00000
.648	4.010	.14000	-.87000	-6.02000	.00000	-.73000	1.01000	3.93000	2.08000	6.50300	1444.00000
.648	6.070	.15000	-.86000	-6.01000	.00000	-.71000	1.01000	5.95000	2.08000	6.49200	1444.00000
.648	8.140	-.13000	-.94000	-6.02000	.00000	-1.06000	.81000	7.98000	2.08000	6.49900	1445.00000
.648	10.170	-.26000	-.98000	-6.02000	.00000	-1.24000	.73000	9.99000	2.08000	6.49800	1445.00000
.648	11.190	-.19000	-.89000	-6.01000	.00000	-1.08000	.70000	11.01000	2.08000	6.49800	1446.00000
.648	12.170	-.48000	-.90000	-6.03000	.00000	-1.36000	.42000	12.00000	2.08000	6.49300	1446.00000
.648	13.150	-.72000	-.91000	-6.02000	.00000	-1.63000	.19000	13.00000	2.08000	6.49000	1447.00000
.648	14.170	-.81000	-.99000	-6.01000	.00000	-1.80000	.17000	14.03000	2.09000	6.50400	1447.00000
.648	15.170	-1.21000	-.99000	-6.01000	.00000	-2.21000	-.22000	15.03000	2.09000	6.49900	1448.00000
.648	16.170	-1.72000	-.88000	-6.02000	.00000	-2.60000	-.84000	16.05000	2.10000	6.49000	1448.00000
	GRADIENT	.09175	.00143	-.00052	.00000	.09319	.09182	.99006	-.00198	-.00062	.34700

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E074) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.017	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 747 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-.29000	-.94000	-6.02000	.00000	-1.23000	.64000	5.97000	-6.15000	6.49600	1452.00000
.648	-3.980	-.09000	-.97000	-6.01000	.00000	-1.06000	.87000	5.97000	-4.09000	6.49300	1452.00000
.648	-2.960	-.14000	-.91000	-6.00000	.00000	-1.05000	.77000	5.96000	-3.07000	6.49000	1453.00000
.648	-1.930	.40000	-.92000	-6.02000	.00000	-.52000	1.32000	5.98000	-2.04000	6.49300	1454.00000
.648	-.910	-.08000	-.92000	-6.01000	.00000	-.99000	.84000	5.96000	-1.01000	6.49900	1455.00000
.648	.120	-.02000	-.85000	-6.01000	.00000	-.87000	.83000	5.76000	.01000	6.49600	1456.00000
.648	1.150	-.01000	-.88000	-6.01000	.00000	-.88000	.87000	5.95000	1.05000	6.49800	1456.00000
.648	2.180	.00000	-.88000	-6.01000	.00000	-.89000	.88000	5.96000	2.08000	6.48900	1456.00000
.648	3.200	-.07000	-.93000	-6.02000	.00000	-1.00000	.86000	5.96000	3.11000	6.50200	1457.00000
.648	4.240	-.34000	-.91000	-6.02000	.00000	-1.25000	.57000	5.95000	4.14000	6.49000	1457.00000
.648	5.270	-.39000	-.98000	-6.03000	.00000	-1.37000	.59000	5.95000	5.17000	6.49200	1458.00000
.648	6.300	.01000	-.98000	-6.03000	.00000	-.97003	.98000	5.96000	6.20000	6.48900	1458.00000
.648	7.330	.02000	-.98000	-6.03000	.00000	-.96000	.99000	5.96000	7.23000	6.48800	1459.00000
	GRADIENT	-.02468	.00486	-.00130	.00000	-.02015	-.02889	-.00210	1.00195	.00024	.60003

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E075) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 75/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-.99000	-.93000	-6.04000	.00000	-1.92000	-.06000	12.37000	-6.11000	6.49800	1514.00000
.648	-4.030	-.76000	-.96000	-6.03000	.00000	-1.72000	.20000	12.37000	-4.08000	6.49200	1514.00000
.648	-3.000	-.82000	-.92000	-6.02000	.00000	-1.74000	.10000	12.36000	-3.06000	6.48900	1515.00000
.648	-1.960	-.66000	-.95000	-6.01000	.00000	-1.62000	.29000	12.37000	-2.03000	6.48500	1515.00000
.648	-.900	-.51000	-.92000	-6.02000	.00000	-1.43000	.42000	12.38000	-1.00000	6.48600	1516.00000
.648	.140	-.58000	-.89000	-6.00000	.00000	-1.47000	.31000	12.39000	.02000	6.48900	1516.00000
.648	1.200	-.55000	-.87000	-6.02000	.00000	-1.42000	.32000	12.38000	1.05000	6.48300	1517.00000
.648	2.240	-.66000	-.93000	-6.01000	.00000	-1.59000	.26000	12.38000	2.09000	6.49200	1517.00000
.648	3.290	-.86000	-.91000	-6.01000	.00000	-1.77000	.05000	12.37000	3.12000	6.47400	1518.00000
.648	4.320	-.92000	-.98000	-6.03000	.00000	-1.90000	.06000	12.36000	4.15000	6.48400	1518.00000
.648	5.360	-.91000	-.93000	-6.01000	.00000	-1.85000	.02000	12.35000	5.19000	6.48600	1519.00000
.648	6.390	-.90000	-.94000	-6.03000	.00000	-1.84000	.04000	12.36000	6.22000	6.48500	1519.00000
.648	7.410	-.99000	-.96000	-6.01000	.00000	-1.94000	-.03000	12.35000	7.26000	6.49000	1519.00000
	GRADIENT	-.01272	.00065	.00048	.00000	-.01175	-.01385	.00016	.98374	-.00105	.47802

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E076) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO			RDBF =	-.084	BETA =	.000
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO			SPDBRK =	7.500	BDFLAP =	.000
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO			RN/L =	6.500	GRIT =	.000
SCALE =	.0300								

PARAMETRIC DATA

RUN NO. 76/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-1.940	-1.68000	-.92000	-.10000	.00000	-2.60000	-.76000	-2.00000	.03000	6.49400	1706.00000
.648	-.010	-1.74000	-.94000	-.07000	.00000	-2.67000	-.80000	-.04000	.03000	6.50200	1706.00000
.648	2.040	-1.52000	-.87000	-.08000	.00000	-2.39000	-.64000	1.99000	.03000	6.49400	1707.00000
.648	4.030	-1.43000	-.80000	-.08000	.00000	-2.23000	-.63000	3.95000	.03000	6.48900	1707.00000
.648	6.080	-1.43000	-.94000	-.09000	.00000	-2.37000	-.49000	6.03000	.03000	6.48000	1708.00000
.648	8.170	-1.69000	-1.02000	-.09000	.00000	-2.71000	-.67000	8.05000	.03000	6.47500	1710.00000
.648	10.180	-1.67000	-.97000	-.08000	.00000	-2.64000	-.70000	10.09000	.03000	6.46700	1711.00000
.648	11.170	-1.42000	-.95000	-.10000	.00000	-2.37000	-.47000	11.09000	.03000	6.46900	1711.00000
.648	12.170	-1.87000	-.87000	-.08000	.00000	-2.74000	-1.00000	12.08000	.03000	6.45300	1714.00000
.648	13.180	-2.18000	-.85000	-.07000	.00000	-3.03000	-1.34000	13.11000	.03000	6.46900	1715.00000
.648	14.160	-2.48000	-.88000	-.08000	.00000	-3.36000	-1.60000	14.08000	.03000	6.46500	1715.00000
.648	15.170	-2.92000	-.90000	-.07000	.00000	-3.82000	-2.02000	15.11000	.03000	6.46100	1716.00000
.648	16.170	-3.49000	-.84000	-.10000	.00000	-4.33000	-2.65000	16.11000	.03000	6.44300	1717.00000
	GRADIENT	.04889	.02165	.00246	.00000	.07002	.02775	.99593	.00000	-.00117	.20128

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E077) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.067	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 77/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.650	-1.910	-1.78000	-.89000	-.05000	.00000	-2.68000	-.89000	-1.96000	2.10000	6.52700	1720.00000
.650	-.010	-1.64000	-.91000	-.04000	.00000	-2.55000	-.73000	-.03000	2.10000	6.51700	1720.00000
.650	2.000	-1.58000	-.85000	-.04000	.00000	-2.42000	-.73000	1.97000	2.09000	6.51700	1721.00000
.650	4.040	-1.32000	-.85000	-.06000	.00000	-2.17000	-.46000	3.95000	2.09000	6.50300	1721.00000
.650	6.190	-1.34000	-.86000	-.06000	.00000	-2.20000	-.48000	6.07000	2.09000	6.50400	1721.00000
.650	8.260	-1.62000	-.92000	-.07000	.00000	-2.54000	-.70000	8.11000	2.09000	6.50500	1722.00000
.650	10.320	-1.64000	-.93000	-.08000	.00000	-2.56000	-.71000	10.15000	2.09000	6.50800	1722.00000
.650	11.330	-1.64000	-.92000	-.08000	.00000	-2.56000	-.72000	11.15000	2.09000	6.50300	1723.00000
.650	12.310	-1.92000	-.89000	-.08000	.00000	-2.81000	-1.02000	12.15000	2.09000	6.50200	1723.00000
.650	13.270	-2.23000	-.83000	-.08000	.00000	-3.07000	-1.40000	13.13000	2.09000	6.50500	1724.00000
.650	14.280	-2.41000	-.93000	-.08000	.00000	-3.34000	-1.48000	14.15000	2.10000	6.49700	1724.00000
.650	15.290	-2.85000	-.89000	-.07000	.00000	-3.74000	-1.96000	15.16000	2.10000	6.48900	1725.00000
.650	16.280	-3.70000	-.85000	-.08000	.00000	-4.55000	-2.85000	16.16000	2.10000	6.49100	1725.00000
	GRADIENT	.07264	.00912	-.00156	.00000	.08375	.06505	.99330	-.00202	-.00363	.20177

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E078) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .029 ALPHA = 6.000
SPDBRK = 7.500 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 78/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.040	-2.11000	-.80000	-.01000	.00000	-2.91000	-1.30000	6.04000	-6.10000	6.48700	1732.00000
.648	-3.980	-1.83000	-.84000	.00000	.00000	-2.67000	-1.00000	6.05000	-4.06000	6.49100	1732.00000
.648	-2.950	-1.59000	-.87000	.02000	.00000	-2.47000	-.72000	6.05000	-3.04000	6.48300	1732.00000
.648	-1.940	-1.59000	-.91000	.03000	.00000	-2.50000	-.68000	6.05000	-2.03000	6.48300	1733.00000
.648	-.920	-1.50000	-.84000	.06000	.00000	-2.34000	-.67000	6.04000	-1.00000	6.48500	1733.00000
.648	.020	-1.23000	-.96000	.13000	.00000	-2.19000	-.27000	6.03000	.02000	6.48800	1734.00000
.648	1.090	-1.48000	-.95000	-.09000	.00000	-2.43000	-.53000	6.02000	1.04000	6.47800	1735.00000
.648	2.110	-1.41000	-.85000	-.09000	.00000	-2.26000	-.55000	6.01000	2.08000	6.48000	1735.00000
.648	3.140	-1.48000	-.96000	.02000	.00000	-2.43000	-.52000	6.01000	3.10000	6.47100	1736.00000
.648	4.170	-1.63000	-.91000	.16000	.00000	-2.54000	-.73000	6.00000	4.13000	6.48500	1737.00000
.648	5.210	-1.83000	-.92000	.18000	.00000	-2.75000	-.92000	6.00000	5.16000	6.49200	1737.00000
.648	6.240	-1.79000	-.84000	.06000	.00000	-2.63000	-.95000	6.00000	6.19000	6.48300	1738.00000
.648	7.270	-1.70000	-.76000	-.09000	.00000	-2.46000	-.93000	6.00000	7.21000	6.46900	1739.00000
	GRADIENT	.02438	-.00878	.00407	.00000	.01658	.03364	-.00689	1.00747	-.00120	.62322

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E079) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.104	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 79/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-6.050	-2.40000	-.87000	-.12000	.00000	-3.26000	-1.53000	12.09000	-6.09000	6.47500	1740.00000
.647	-4.040	-2.31000	-.78000	-.11000	.00000	-3.09000	-1.52000	12.10000	-4.07000	6.48100	1741.00000
.647	-3.020	-2.16000	-.93000	-.10000	.00000	-3.09000	-1.23000	12.10000	-3.05000	6.47500	1741.00000
.647	-2.000	-2.19000	-.90000	-.10000	.00000	-3.09000	-1.29000	12.10000	-2.03000	6.47900	1742.00000
.647	-.970	-1.93000	-.83000	-.10000	.00000	-2.76000	-1.10000	12.11000	-1.00000	6.47800	1742.00000
.647	.050	-1.65000	-.90000	-.09000	.00000	-2.55000	-.75000	12.11000	.02000	6.47700	1742.00000
.647	1.070	-1.84000	-.89000	-.11000	.00000	-2.73000	-.95000	12.10000	1.05000	6.47500	1743.00000
.647	2.110	-1.79000	-.84000	-.10000	.00000	-2.63000	-.95000	12.11000	2.08000	6.48600	1743.00000
.647	3.140	-1.84000	-.87000	-.09000	.00000	-2.71000	-.97000	12.10000	3.11000	6.47800	1744.00000
.647	4.170	-2.10000	-.88000	-.11000	.00000	-2.99000	-1.22000	12.08000	4.14000	6.47200	1744.00000
.647	5.220	-2.18000	-.96000	-.11000	.00000	-3.13000	-1.22000	12.08000	5.18000	6.46900	1744.00000
.647	6.250	-2.18000	-.95000	-.10000	.00000	-3.12000	-1.23000	12.08000	6.21000	6.47700	1745.00000
.647	7.280	-2.14000	-.91000	-.11000	.00000	-3.05000	-1.23000	12.08000	7.24000	6.48100	1745.00000
	GRADIENT	.04358	-.00258	.00032	.00000	.04035	.04551	-.00114	1.00016	-.00026	.38975

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E080) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.972	BETA =	.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 80/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-1.930	-2.52000	-.87000	6.04000	.00000	-3.39000	-1.65000	-1.97000	.03000	6.47900	1747.00000
.648	-.020	-2.48000	-.84000	6.04000	.00000	-3.32000	-1.63000	-.04000	.03000	6.47600	1747.00000
.648	2.020	-2.34000	-.85000	6.05000	.00000	-3.19000	-1.48000	1.98000	.03000	6.47100	1748.00000
.648	4.030	-2.27000	-.80000	6.04000	.00000	-3.07000	-1.47000	3.96000	.03000	6.47300	1748.00000
.648	6.070	-2.23000	-.89000	5.95000	.00000	-3.12000	-1.34000	6.02000	.03000	6.46600	1750.00000
.648	8.140	-2.29000	-.91000	5.95000	.00000	-3.20000	-1.38000	8.07000	.03000	6.51200	1753.00000
.648	10.180	-2.30000	-.90000	5.94000	.00000	-3.20000	-1.40000	10.11000	.03000	6.50900	1753.00000
.648	11.180	-2.13000	-.91000	5.94000	.00000	-3.04000	-1.21000	11.10000	.03000	6.51100	1753.00000
.648	12.180	-2.40000	-.87000	5.94000	.00000	-3.27000	-1.52000	12.11000	.03000	6.51200	1754.00000
.648	13.170	-2.70000	-.80000	5.94000	.00000	-3.50000	-1.89000	13.10000	.03000	6.51600	1754.00000
.648	14.180	-3.10000	-.85000	5.93000	.00000	-3.95000	-2.25000	14.12000	.03000	6.50000	1755.00000
.648	15.200	-3.81000	-.79000	5.93000	.00000	-4.59000	-3.02000	15.14000	.03000	6.50100	1755.00000
.648	16.200	-4.28000	-.92000	5.94000	.00000	-5.20000	-3.36000	16.16000	.03000	6.51400	1756.00000
	GRADIENT	.04478	.01002	.00050	.00000	.05480	.03473	.99440	.00000	-.00115	.20157

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E081) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.945 BETA = 2.000
SPDBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 81/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-1.940	-2.56000	-.88000	5.96000	.00000	-3.44000	-1.68000	-1.97000	2.10000	6.50100	1757.00000
.647	-.030	-2.61000	-.83000	5.95000	.00000	-3.44000	-1.78000	-.04000	2.09000	6.51100	1758.00000
.647	2.000	-2.36000	-.82000	5.95000	.00000	-3.18000	-1.54000	1.98000	2.09000	6.50700	1758.00000
.647	4.060	-2.04000	-.83000	5.94000	.00000	-2.87000	-1.20000	3.97000	2.09000	6.51100	1759.00000
.647	6.160	-2.21000	-.91000	5.93000	.00000	-3.11000	-1.30000	6.04000	2.08000	6.51400	1759.00000
.647	8.240	-2.23000	-.88000	5.95000	.00000	-3.11000	-1.35000	8.08000	2.08000	6.50800	1800.00000
.647	10.290	-2.30000	-.92000	5.93000	.00000	-3.22000	-1.37000	10.11000	2.08000	6.50400	1800.00000
.647	11.290	-2.22000	-.84000	5.95000	.00000	-3.06000	-1.39000	11.11000	2.09000	6.51600	1800.00000
.647	12.270	-2.40000	-.99000	5.93000	.00000	-3.35000	-1.41000	12.11000	2.09000	6.51500	1801.00000
.647	13.260	-2.75000	-.84000	5.94000	.00000	-3.59000	-1.90000	13.11000	2.09000	6.50300	1801.00000
.647	14.260	-3.23000	-.97000	5.96000	.00000	-4.21000	-2.26000	14.13000	2.09000	6.50200	1802.00000
.647	15.270	-3.88000	-.83000	5.94000	.00000	-4.71000	-3.05000	15.14000	2.10000	6.51600	1802.00000
.647	16.270	-4.50000	-.83000	5.95000	.00000	-5.33000	-3.68000	16.15000	2.10000	6.50700	1803.00000
	GRADIENT	.09108	.00787	-.00299	.00000	.09895	.08473	.99036	-.00148	.00128	.29901

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E082) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.945 ALPHA = 6.000
SPDBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 82/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-6.030	-3.02000	-.79000	5.95000	.00000	-3.81000	-2.22000	6.06000	-6.11000	6.50600	1805.00000
.649	-3.970	-2.73000	-.77000	5.95000	.00000	-3.50000	-1.96000	6.06000	-4.08000	6.49900	1805.00000
.649	-2.950	-2.46000	-.88000	5.95000	.00000	-3.34000	-1.57000	6.07000	-3.05000	6.50900	1805.00000
.649	-1.940	-2.39000	-.83000	5.94000	.00000	-3.22000	-1.55000	6.07000	-2.03000	6.51200	1806.00000
.649	-.910	-2.32000	-.77000	5.95000	.00000	-3.09000	-1.54000	6.06000	-1.00000	6.50700	1806.00000
.649	.030	-2.32000	-.78000	5.94000	.00000	-3.10000	-1.54000	6.02000	.02000	6.51100	1807.00000
.649	1.090	-2.28000	-.73000	5.94000	.00000	-3.01000	-1.54000	6.02000	1.05000	6.51100	1808.00000
.649	2.110	-2.11000	-.87000	5.95000	.00000	-2.99000	-1.24000	6.01000	2.08000	6.51100	1808.00000
.649	3.140	-2.25000	-.93000	5.95000	.00000	-3.18000	-1.31000	6.00000	3.10000	6.50700	1809.00000
.649	4.160	-2.49000	-.83000	5.93000	.00000	-3.32000	-1.66000	5.99000	4.13000	6.50600	1809.00000
.649	5.200	-2.59000	-.92000	5.96000	.00000	-3.52000	-1.67000	5.99000	5.16000	6.50100	1809.00000
.649	6.230	-2.61000	-.95000	5.94000	.00000	-3.56000	-1.66000	5.99000	6.19000	6.50900	1810.00000
.649	7.260	-2.77000	-.86000	5.94000	.00000	-3.62000	-1.91000	5.99000	7.21000	6.50600	1810.00000
	GRADIENT	.03585	-.00712	-.00115	.00000	.02840	.04265	-.01066	1.01094	.00039	.55812

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E083) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.945 ALPHA = 12.000
SPDBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 83/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-6.050	-3.39000	-.85000	5.93000	.00000	-4.23000	-2.54000	12.07000	-6.09000	6.50500	1811.00000
.649	-4.040	-3.04000	-.78000	5.95000	.00000	-3.82000	-2.25000	12.08000	-4.07000	6.50900	1812.00000
.649	-3.020	-2.80000	-.83000	5.95000	.00000	-3.64000	-1.97000	12.09000	-3.05000	6.51300	1812.00000
.649	-2.000	-2.79000	-.83000	5.96000	.00000	-3.62000	-1.96000	12.08000	-2.03000	6.50000	1813.00000
.649	-.980	-2.44000	-.86000	5.94000	.00000	-3.29000	-1.58000	12.09000	-1.00000	6.49000	1813.00000
.649	.050	-2.37000	-.77000	5.96000	.00000	-3.14000	-1.59000	12.09000	.01000	6.50200	1813.00000
.649	1.070	-2.36000	-.79000	5.95000	.00000	-3.15000	-1.57000	12.08000	1.05000	6.50300	1814.00000
.649	2.110	-2.37000	-.78000	5.96000	.00000	-3.15000	-1.59000	12.08000	2.08000	6.49400	1814.00000
.649	3.140	-2.61000	-.86000	5.94000	.00000	-3.47000	-1.75000	12.08000	3.11000	6.50600	1815.00000
.649	4.180	-2.89000	-.87000	5.93000	.00000	-3.77000	-2.02000	12.06000	4.14000	6.48600	1815.00000
.649	5.220	-3.13000	-.85000	5.95000	.00000	-3.97000	-2.28000	12.06000	5.18000	6.49500	1817.00000
.649	6.250	-3.20000	-.93000	5.94000	.00000	-4.13000	-2.27000	12.05000	6.21000	6.48200	1817.00000
.649	7.280	-3.43000	-.94000	5.93000	.00000	-4.37000	-2.50000	12.06000	7.24000	6.51000	1818.00000
	GRADIENT	.03365	-.00456	-.00163	.00000	.02876	.03756	-.00195	.99935	-.00182	.38943

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E084) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.985	BETA =	.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 84/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-1.940	-3.14000	-.88000	11.99000	.00000	-4.02000	-2.26000	-1.98000	.03000	6.49400	1822.00000
.648	-.010	-3.07000	-.82000	11.99000	.00000	-3.89000	-2.26000	-.04000	.03000	6.49700	1823.00000
.648	2.010	-3.01000	-.75000	11.98000	.00000	-3.76000	-2.26000	1.97000	.03000	6.50000	1823.00000
.648	4.040	-2.73000	-.84000	11.95000	.00000	-3.56000	-1.89000	3.97000	.03000	6.49400	1823.00000
.648	6.060	-2.66000	-.75000	11.92000	.00000	-3.42000	-1.91000	6.01000	.03000	6.48700	1824.00000
.648	8.120	-2.76000	-.86000	11.89000	.00000	-3.62000	-1.90000	8.06000	.03000	6.49700	1824.00000
.648	10.160	-2.83000	-.93000	11.99000	.00000	-3.76000	-1.90000	10.09000	.03000	6.49900	1825.00000
.648	11.160	-2.39000	-.92000	12.00000	.00000	-3.31000	-1.48000	11.09000	.02000	6.49800	1825.00000
.648	12.160	-2.78000	-.94000	12.00000	.00000	-3.72000	-1.85000	12.09000	.03000	6.49900	1826.00000
.648	13.150	-3.21000	-.95000	12.00000	.00000	-4.17000	-2.26000	13.09000	.02000	6.49500	1826.00000
.648	14.160	-3.90000	-.89000	12.03000	.00000	-4.79000	-3.02000	14.10000	.02000	6.49700	1827.00000
.648	15.180	-4.50000	-.85000	12.03000	.00000	-5.36000	-3.65000	15.12000	.03000	6.49500	1827.00000
.648	16.170	-5.07000	-.78000	12.04000	.00000	-5.85000	-4.29000	16.13000	.03000	6.49000	1827.00000
	GRADIENT	.06484	.00936	-.00655	.00000	.07571	.05599	.99494	.00000	.00014	.14882

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E085) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.016	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 85/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-1.950	-3.24000	-.88000	12.07000	.00000	-4.12000	-2.37000	-1.99000	2.09000	6.48700	1829.00000
.648	-.010	-3.31000	-.95000	12.04000	.00000	-4.27000	-2.36000	-.02000	2.09000	6.48900	1829.00000
.648	2.020	-2.92000	-.82000	12.02000	.00000	-3.75000	-2.10000	2.00000	2.08000	6.48900	1829.00000
.648	4.070	-2.82000	-.73000	12.00000	.00000	-3.55000	-2.09000	3.99000	2.08000	6.49500	1830.00000
.648	6.150	-2.58000	-.95000	12.01000	.00000	-3.53000	-1.64000	6.02000	2.08000	6.48000	1830.00000
.648	8.230	-2.76000	-.97000	11.99000	.00000	-3.72000	-1.79000	8.07000	2.08000	6.49700	1831.00000
.648	10.250	-3.02000	-.80000	12.00000	.00000	-3.82000	-2.23000	10.08000	2.08000	6.48700	1831.00000
.648	11.270	-2.76000	-.85000	12.00000	.00000	-3.61000	-1.91000	11.09000	2.08000	6.50300	1832.00000
.648	12.260	-3.16000	-.93000	12.01000	.00000	-4.06000	-2.23000	12.09000	2.09000	6.48600	1832.00000
.648	13.240	-3.64000	-.83000	12.01000	.00000	-4.47000	-2.82000	13.09000	2.09000	6.47900	1833.00000
.648	14.240	-4.21000	-.84000	12.00000	.00000	-5.05000	-3.37000	14.10000	2.09000	6.49100	1833.00000
.648	15.250	-4.62000	-.80000	12.03000	.00000	-5.42000	-3.83000	15.12000	2.09000	6.48900	1835.00000
.648	16.250	-5.18000	-.89000	12.03000	.00000	-6.07000	-4.28000	16.13000	2.10000	6.47500	1835.00000
	GRADIENT	.08248	.02913	-.01143	.00000	.11163	.05483	.99341	-.00199	.00120	.15049

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E086) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.040	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 86/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.030	-3.76000	-.91000	12.03000	.00000	-4.67000	-2.85000	5.85000	-6.11000	6.48200	1838.00000
.648	-4.010	-3.64000	-.80000	12.03000	.00000	-4.44000	-2.84000	5.85000	-4.08000	6.48800	1838.00000
.648	-2.990	-3.14000	-.86000	12.02000	.00000	-3.99000	-2.28000	5.85000	-3.06000	6.48400	1838.00000
.648	-1.960	-3.01000	-.73000	12.04000	.00000	-3.74000	-2.28000	5.85000	-2.03000	6.49200	1839.00000
.648	-.910	-2.75000	-.82000	12.05000	.00000	-3.57000	-1.94000	5.85000	-1.00000	6.48200	1839.00000
.648	.120	-2.68000	-.75000	12.04000	.00000	-3.42000	-1.93000	5.83000	.02000	6.48200	1840.00000
.648	1.130	-2.49000	-.94000	12.04000	.00000	-3.42000	-1.55000	5.84000	1.05000	6.47800	1840.00000
.648	2.140	-2.59000	-.89000	12.05000	.00000	-3.49000	-1.70000	5.84000	2.08000	6.49300	1840.00000
.648	3.160	-2.82000	-.89000	12.03000	.00000	-3.71000	-1.93000	5.83000	3.11000	6.47100	1841.00000
.648	4.210	-3.09000	-.84000	12.05000	.00000	-3.93000	-2.26000	5.83000	4.13000	6.47900	1841.00000
.648	5.230	-3.36000	-1.01000	12.06000	.00000	-4.37000	-2.36000	5.82000	5.17000	6.48300	1841.00000
.648	6.230	-3.61000	-.93000	12.06000	.00000	-4.54000	-2.68000	5.83000	6.19000	6.48500	1842.00000
.648	7.300	-3.85000	-.86000	12.05000	.00000	-4.71000	-2.99000	5.82000	7.22000	6.49200	1842.00000
	GRADIENT	.06934	-.01117	.00196	.00000	.05753	.08001	-.00276	1.00079	-.00125	.38991

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E087) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 87/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-6.060	-4.06000	-.86000	12.00000	.00000	-4.91000	-3.20000	11.88000	-6.09000	6.47900	1846.00000
.648	-4.040	-3.66000	-.74000	12.03000	.00000	-4.40000	-2.93000	11.89000	-4.07000	6.48500	1846.00000
.648	-3.020	-3.42000	-.79000	12.03000	.00000	-4.21000	-2.63000	11.89000	-3.05000	6.48300	1846.00000
.648	-2.000	-3.16000	-.85000	12.01000	.00000	-4.02000	-2.31000	11.89000	-2.03000	6.48700	1847.00000
.648	-.980	-3.04000	-.72000	12.03000	.00000	-3.76000	-2.32000	12.00000	-1.00000	6.48400	1847.00000
.648	.040	-2.88000	-.86000	12.02000	.00000	-3.75000	-2.02000	12.01000	.02000	6.48400	1847.00000
.648	1.050	-2.88000	-.88000	12.01000	.00000	-3.76000	-2.01000	12.01000	1.05000	6.48800	1848.00000
.648	2.090	-2.79000	-.79000	12.02000	.00000	-3.58000	-2.00000	12.00000	2.08000	6.48000	1848.00000
.648	3.130	-3.21000	-.91000	12.02000	.00000	-4.12000	-2.30000	11.99000	3.11000	6.47500	1848.00000
.648	4.170	-3.68000	-.84000	12.02000	.00000	-4.53000	-2.84000	11.99000	4.14000	6.48300	1849.00000
.648	5.130	-3.90000	-.85000	12.01000	.00000	-4.75000	-3.04000	11.98000	5.18000	6.47700	1849.00000
.648	6.190	-4.05000	-.88000	12.03000	.00000	-4.93000	-3.17000	11.98000	6.21000	6.48300	1849.00000
.648	7.250	-4.18000	-.83000	12.00000	.00000	-5.01000	-3.35000	11.97000	7.24000	6.47200	1850.00000
	GRADIENT	.02398	-.01299	-.00113	.00000	.00976	.03656	.01508	1.00145	-.00068	.34143

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E088) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 11.986 BETA = .000
SPDBRK = 7.500 BDFLAP = 12.000
RN/L = 5.000 GRIT = .000

RUN NO. 88/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.400	-1.990	-3.02000	-.81000	11.98000	.00000	-3.83000	-2.21000	-1.99000	.03000	5.01600	1921.00000
.400	.000	-3.01000	-.81000	11.98000	.00000	-3.82000	-2.20000	.01000	.03000	5.02200	1922.00000
.400	2.010	-2.64000	-.88000	12.00000	.00000	-3.51000	-1.76000	2.01000	.03000	5.01300	1922.00000
.400	4.040	-2.26000	-.83000	12.00000	.00000	-3.09000	-1.44000	4.02000	.03000	4.98800	1923.00000
.400	6.000	-2.02000	-.88000	12.00000	.00000	-2.90000	-1.15000	6.00000	.03000	4.98700	1923.00000
.400	8.020	-1.93000	-.79000	11.98000	.00000	-2.72000	-1.14000	8.02000	.03000	4.99900	1924.00000
.400	10.040	-1.68000	-.91000	11.98000	.00000	-2.58000	-.77000	10.03000	.03000	5.00600	1924.00000
.400	11.080	-1.68000	-.92000	11.98000	.00000	-2.60000	-.76000	11.07000	.03000	5.01700	1924.00000
.400	12.070	-1.59000	-.83000	11.99000	.00000	-2.42000	-.76000	12.05000	.03000	5.00300	1925.00000
.400	13.080	-1.32000	-.99000	11.99000	.00000	-2.32000	-.33000	13.06000	.03000	5.00500	1925.00000
.400	14.110	-1.59000	-.99000	11.98000	.00000	-2.58000	-.59000	14.10000	.03000	5.00600	1926.00000
.400	15.080	-1.87000	-.95000	11.98000	.00000	-2.83000	-.92000	15.07000	.03000	5.00500	1926.00000
.400	16.110	-2.14000	-.91000	11.98000	.00000	-3.05000	-1.23000	16.10000	.03000	5.01600	1927.00000
.400	20.050	-3.71000	-.82000	11.99000	.00000	-4.53000	-2.88000	20.03000	.03000	5.00100	1927.00000
	GRADIENT	.13202	-.00644	.00398	.00000	.12607	.13697	.99650	.00000	-.00464	.29850

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E089) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.982	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	5.000	GRIT =	.000

RUN NO. 89/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-2.020	-2.73000	-.90000	12.00000	.00000	-3.63000	-1.83000	-2.02000	2.07000	5.00900	1928.00000
.399	.000	-2.91000	-.88000	11.99000	.00000	-3.79000	-2.03000	.03000	2.07000	5.01700	1929.00000
.399	2.010	-2.91000	-.89000	11.98000	.00000	-3.80000	-2.02000	2.03000	2.06000	5.02400	1929.00000
.399	4.050	-2.45000	-.78000	11.98000	.00000	-3.23000	-1.68000	4.00000	2.06000	5.00500	1930.00000
.399	6.120	-2.13000	-.86000	11.98000	.00000	-2.99000	-1.27000	6.02000	2.06000	5.00800	1930.00000
.399	8.160	-2.04000	-.76000	11.99000	.00000	-2.80000	-1.28000	8.04000	2.06000	5.00800	1931.00000
.399	10.170	-2.04000	-.76000	11.99000	.00000	-2.80000	-1.28000	10.04000	2.06000	5.00900	1931.00000
.399	11.160	-1.89000	-.94000	11.97000	.00000	-2.83000	-.95000	11.04000	2.06000	5.01600	1932.00000
.399	12.170	-1.89000	-.92000	11.99000	.00000	-2.81000	-.96000	12.06000	2.07000	5.00900	1932.00000
.399	13.170	-1.78000	-.84000	11.98000	.00000	-2.62000	-.95000	13.06000	2.07000	5.00600	1932.00000
.399	14.160	-1.79000	-.84000	11.99000	.00000	-2.63000	-.95000	14.06000	2.07000	5.00900	1933.00000
.399	15.160	-1.79000	-.84000	11.97000	.00000	-2.63000	-.95000	15.07000	2.08000	5.00900	1933.00000
.399	16.170	-2.34000	-.84000	11.97000	.00000	-3.18000	-1.51000	16.09000	2.08000	5.00800	1934.00000
.399	20.070	-3.67000	-.88000	11.97000	.00000	-4.55000	-2.80000	20.00000	2.10000	4.99800	1934.00000
	GRADIENT	.04173	.01735	-.00346	.00000	.05907	.02289	.99206	-.00198	-.00026	.29693

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E090) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.941 ALPHA = .000
SPDBRK = 7.500 BDFLAP = -11.700
RN/L = 5.000 GRIT = .000

RUN NO. 90/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-6.100	-.43000	.26000	-10.95000	.00000	-.17000	-.68000	.01000	-6.03000	5.01200	1951.00000
.398	-4.090	-.29000	-.03000	-10.94000	.00000	-.32000	-.26000	.02000	-4.03000	5.01100	1951.00000
.398	-3.080	-.33000	-.08000	-10.94000	.00000	-.41000	-.25000	.02000	-3.02000	5.01300	1952.00000
.398	-2.050	-.45000	.04000	-10.95000	.00000	-.41000	-.49000	.02000	-2.01000	5.01500	1952.00000
.398	-1.020	-.36000	.14000	-10.94000	.00000	-.22000	-.49000	.02000	-.99000	5.01400	1952.00000
.398	.010	-.16000	.06000	-10.94000	.00000	-.10000	-.22000	.02000	.01000	5.01500	1953.00000
.398	1.040	-.06000	.15000	-10.94000	.00000	.09000	-.21000	.02000	1.03000	5.01400	1953.00000
.398	2.070	.04000	.06000	-10.94000	.00000	.10000	-.02000	.02000	2.06000	5.01500	1954.00000
.398	3.090	-.06000	-.02000	-10.93000	.00000	-.06000	-.04000	.02000	3.07000	5.01400	1954.00000
.398	4.100	-.33000	-.10000	-10.95000	.00000	-.42000	-.23000	.02000	4.09000	5.01800	1955.00000
.398	6.150	-.58000	.03000	-10.93000	.00000	-.55000	-.61000	.02000	6.13000	5.01500	1955.00000
.398	8.180	-.65000	-.06000	-10.94000	.00000	-.72000	-.59000	.01000	8.16000	5.01700	1955.00000
	GRADIENT	.03147	-.00077	.00017	.00000	.03135	.03207	.00000	.98927	.00050	.43838

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E091) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.036
RDBF = -10.254 ALPHA = 5.000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = .000

RUN NO. 91/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-.010	-.03000	-.02000	-10.25000	.00000	-.05000	.00000	5.00000	.00000	4.97400	1503.00000
.599	1.130	-.02000	-.04000	-10.25000	.00000	-.06000	.02000	5.01000	1.04000	4.97500	1504.00000
.599	2.150	-.02000	-.03000	-10.23000	.00000	-.05000	.02000	5.01000	2.06000	4.97200	1504.00000
.599	3.170	-.01000	-.04000	-10.25000	.00000	-.05000	.03000	5.01000	3.08000	4.97500	1505.00000
.599	4.200	.00000	-.03000	-10.25000	.00000	-.03000	.03000	5.00000	4.10000	4.97500	1505.00000
.599	6.240	.01000	-.04000	-10.26000	.00000	-.04000	.05000	5.01000	6.15000	4.96900	1505.00000
.599	8.290	.01000	-.05000	-10.29000	.00000	-.03000	.06000	5.01000	8.19000	4.96100	1506.00000
	GRADIENT	.00669	-.00199	.00004	.00000	.00470	.00675	.00006	.97858	.00019	.47977

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E092) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	-.045
RDBF =	-10.245	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 92/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-6.050	-.05000	-.04000	-10.23000	.00000	-.10000	-.01000	5.00000	-6.09000	4.96100	1512.00000
.599	-4.010	-.05000	-.04000	-10.22000	.00000	-.09000	-.01000	5.00000	-4.05000	4.96200	1511.00000
.599	-2.990	-.04000	-.05000	-10.23000	.00000	-.09000	.00000	5.00000	-3.04000	4.96500	1511.00000
.599	-1.990	-.03000	-.05000	-10.23000	.00000	-.08000	.01000	5.00000	-2.02000	4.96500	1510.00000
.599	-1.000	-.03000	-.05000	-10.23000	.00000	-.08000	.02000	5.00000	-1.00000	4.97200	1510.00000
.599	.040	-.03000	-.04000	-10.23000	.00000	-.07000	.02000	5.00000	.02000	4.96300	1509.00000
.599	1.150	-.01000	-.04000	-10.25000	.00000	-.06000	.03000	5.01000	1.04000	4.96900	1509.00000
.599	2.180	-.02000	-.06000	-10.26000	.00000	-.07000	.04000	5.01000	2.06000	4.96700	1508.00000
.599	3.210	.00000	-.04000	-10.25000	.00000	-.04000	.03000	5.00000	3.08000	4.97200	1507.00000
.599	4.240	.01000	-.04000	-10.27000	.00000	-.03000	.05000	5.00000	4.11000	4.96600	1507.00000
.599	6.280	.02000	-.04000	-10.29000	.00000	-.02000	.05000	5.01000	6.15000	4.97300	1506.00000
	GRADIENT	.00645	.00032	-.00549	.00000	.00693	.00643	.00049	.98553	.00061	-.53161

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E093) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.044	RDA =	-.028
RDBF =	-10.224	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 93/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-4.050	-.05000	-.03000	-10.22000	.00000	-.08000	-.03000	5.00000	-4.06000	4.96300	1512.00000
.598	-3.030	-.05000	-.03000	-10.23000	.00000	-.08000	-.02000	5.00000	-3.04000	4.97700	1513.00000
.598	-2.030	-.05000	-.03000	-10.22000	.00000	-.08000	-.03000	5.00000	-2.02000	4.97900	1513.00000
.598	-1.030	-.05000	-.04000	-10.22000	.00000	-.10000	-.01000	4.99000	-1.00000	4.97600	1514.00000
.598	-.010	-.02000	-.01000	-10.23000	.00000	-.02000	-.01000	4.99000	.01000	4.97700	1515.00000
	GRADIENT	.00596	.00299	-.00100	.00000	.00996	.00496	-.00297	1.00990	.00268	.69486

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E094) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.006	RDA =	.046
RDBF =	-10.187	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 94/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.700	.060	.01000	.04000	-10.20000	.00000	.06000	-.03000	5.03000	.04000	5.03100	1523.00000
.700	1.130	.01000	.04000	-10.20000	.00000	.05000	-.03000	5.03000	1.05000	5.02700	1523.00000
.700	2.170	.01000	.04000	-10.20000	.00000	.05000	-.03000	5.03000	2.08000	5.03100	1524.00000
.700	3.180	.00000	.05000	-10.19000	.00000	.05000	-.06000	5.03000	3.09000	5.02100	1524.00000
.700	4.210	.00000	.04000	-10.22000	.00000	.04000	-.04000	5.03000	4.12000	5.02200	1525.00000
.700	6.260	.00000	.05000	-9.99000	.00000	.05000	-.04000	4.99000	6.16000	5.02600	1525.00000
.700	8.320	.01000	.06000	-10.31000	.00000	.07000	-.05000	4.99000	8.22000	5.02500	1526.00000
	GRADIENT	-.00288	.00096	-.00288	.00000	-.00387	-.00481	-.00000	.98539	-.00231	.48257

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E095) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.023
RDBF =	-10.293	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 95/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.701	-6.070	.00000	.01000	-10.27000	.00000	.01000	-.01000	5.04000	-6.10000	5.00000	1532.00000
.701	-4.020	.01000	.00000	-10.28000	.00000	.01000	.01000	5.04000	-4.06000	5.00200	1532.00000
.701	-3.000	.01000	.00000	-10.29000	.00000	.01000	.01000	5.04000	-3.04000	5.00500	1531.00000
.701	-1.990	.01000	.01000	-10.28000	.00000	.02000	-.01000	5.04000	-2.02000	5.00200	1531.00000
.701	-.980	.00000	.01000	-10.29000	.00000	.01000	-.01000	5.04000	-1.00000	5.00600	1530.00000
.701	.040	.00000	.03000	-10.29000	.00000	.03000	-.02000	5.02000	.02000	5.01100	1529.00000
.701	1.150	.00000	.03000	-10.29000	.00000	.03000	-.03000	4.99000	1.05000	5.01000	1529.00000
.701	2.180	.00000	.03000	-10.30000	.00000	.03000	-.03000	4.99000	2.07000	5.01400	1528.00000
.701	3.210	.01000	.04000	-10.30000	.00000	.05000	-.03000	4.99000	3.09000	5.01600	1527.00000
.701	4.240	.02000	.04000	-10.31000	.00000	.06000	-.03000	4.99000	4.12000	5.02000	1527.00000
.701	6.290	.02000	.05000	-10.32000	.00000	.07000	-.03000	5.00000	6.17000	5.02200	1527.00000
	GRADIENT	.00033	.00547	-.00306	.00000	.00580	-.00547	-.00807	.98704	.00214	-.62733

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E096) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.016	RDA =	.004
RDBF =	-10.272	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 96/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-4.050	-.01000	.01000	-10.28000	.00000	.00000	-.01000	5.04000	-4.06000	4.99200	1533.00000
.698	-3.040	-.01000	.00000	-10.27000	.00000	-.01000	-.01000	5.04000	-3.05000	4.99500	1534.00000
.698	-2.030	-.01000	.00000	-10.27000	.00000	-.01000	-.01000	5.04000	-2.02000	4.99200	1534.00000
.698	-1.030	-.02000	.01000	-10.26000	.00000	-.01000	-.03000	5.04000	-1.00000	4.99400	1535.00000
.698	-.030	-.03000	.00000	-10.28000	.00000	-.02000	-.03000	5.03000	.00000	4.99000	1536.00000
	GRADIENT	-.00497	-.00100	.00100	.00000	-.00398	-.00596	-.00199	1.01194	-.00050	.69622

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E097) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.015
RDBF =	-10.279	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 97/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-1.940	.01000	.00000	-10.31000	.00000	.01000	.01000	-1.98000	.05000	4.99700	1547.00000
.600	.040	.02000	.01000	-10.30000	.00000	.03000	.00000	.03000	.03000	4.99600	1548.00000
.600	2.050	.02000	.01000	-10.30000	.00000	.03000	.01000	2.04000	.03000	4.99000	1549.00000
.600	4.050	.02000	.01000	-10.29000	.00000	.03000	.00000	4.02000	.03000	4.98700	1549.00000
.600	6.070	.02000	.02000	-10.29000	.00000	.03000	.00000	6.05000	.03000	4.98800	1549.00000
.600	8.060	.01000	.04000	-10.27000	.00000	.05000	-.03000	8.03000	.04000	4.99500	1550.00000
.600	10.120	.01000	.03000	-10.28000	.00000	.03000	-.02000	10.08000	.04000	4.99000	1551.00000
.600	11.120	.00000	.03000	-10.27000	.00000	.03000	-.02000	11.06000	.04000	4.98000	1551.00000
.600	12.110	.00000	.03000	-10.26000	.00000	.03000	-.04000	12.07000	.04000	4.98900	1552.00000
.600	13.110	-.01000	.06000	-10.26000	.00000	.05000	-.07000	13.07000	.04000	4.98300	1552.00000
.600	14.120	-.07000	.10000	-10.26000	.00000	.02000	-.17000	14.08000	.04000	4.98400	1553.00000
.600	15.100	.03000	-.08000	-10.27000	.00000	-.05000	.10000	15.07000	.04000	4.98400	1554.00000
.600	16.090	.03000	-.07000	-10.27000	.00000	-.04000	.10000	16.05000	.04000	4.98300	1555.00000
.600	20.020	.08000	.02000	-10.28000	.00000	.09000	.06000	20.01000	.04000	4.98900	1556.00000
	GRADIENT	.00150	.00150	.00300	.00000	.00300	-.00100	1.00149	-.00300	-.00180	.35020

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E098) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.019
RDBF =	-10.294	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 98/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-1.950	.02000	.02000	-10.30000	.00000	.04000	.00000	-1.98000	2.08000	4.97700	1557.00000
.598	.020	.03000	.02000	-10.30000	.00000	.05000	.00000	.04000	2.07000	4.98100	1558.00000
.598	2.050	.03000	.04000	-10.30000	.00000	.07000	-.01000	2.06000	2.07000	4.98600	1558.00000
.598	4.090	.03000	.03000	-10.31000	.00000	.06000	.00000	4.05000	2.07000	4.98400	1559.00000
.598	6.160	.03000	.03000	-10.30000	.00000	.06000	.00000	6.07000	2.07000	4.98700	1559.00000
.598	8.200	.03000	.04000	-10.29000	.00000	.07000	-.02000	5.77000	.06000	4.98900	1600.00000
.598	10.260	.01000	.03000	-10.28000	.00000	.05000	-.02000	10.12000	2.07000	4.99000	1600.00000
.598	11.240	.01000	.04000	-10.28000	.00000	.06000	-.03000	11.10000	2.07000	4.99100	1600.00000
.598	12.180	.00000	.03000	-10.29000	.00000	.03000	-.03000	12.01000	2.07000	4.98800	1601.00000
.598	13.170	.00000	.04000	-10.29000	.00000	.04000	-.04000	13.04000	2.08000	4.98500	1602.00000
.598	14.170	-.09000	.08000	-10.29000	.00000	-.01000	-.17000	14.05000	2.08000	4.98800	1602.00000
.598	15.210	.01000	-.06000	-10.28000	.00000	-.05000	.07000	15.11000	2.08000	4.98700	1603.00000
.598	16.210	.00000	-.08000	-10.30000	.00000	-.08000	.08000	16.12000	2.09000	4.98700	1603.00000
.598	20.070	.02000	.01000	-10.30000	.00000	.02000	.01000	20.04000	2.10000	4.99200	1604.00000
	GRADIENT	.00148	.00248	-.00150	.00000	.00396	-.00049	.99793	-.00148	.00129	.29750

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E099) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	-.042
RDBF =	-10.307	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 997 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-6.140	.08000	-.14000	-10.29000	.00000	-.05000	.22000	.04000	-6.07000	4.99400	1607.00000
.601	-4.110	-.01000	-.04000	-10.31000	.00000	-.05000	.04000	.04000	-4.05000	4.98500	1607.00000
.601	-3.110	-.01000	-.05000	-10.31000	.00000	-.06000	.04000	.04000	-3.03000	4.98400	1608.00000
.601	-2.070	-.01000	-.04000	-10.30000	.00000	-.04000	.03000	.04000	-2.02000	4.98700	1608.00000
.601	-1.030	-.01000	-.04000	-10.31000	.00000	-.05000	.03000	.03000	-1.00000	4.98000	1508.00000
.601	-.010	.00000	-.04000	-10.31000	.00000	-.04000	.04000	.05000	.02000	4.98700	1608.00000
.601	1.030	.00000	-.04000	-10.30000	.00000	-.04000	.04000	.05000	1.04000	4.98600	1609.00000
.601	2.070	.00000	-.03000	-10.30000	.00000	-.02000	.03000	.04000	2.07000	4.99000	1609.00000
.601	3.100	.01000	-.03000	-10.31000	.00000	-.02000	.03000	.05000	3.09000	4.99000	1610.00000
.601	4.110	.01000	-.02000	-10.31000	.00000	-.01000	.03000	.04000	4.11000	4.98600	1610.00000
.601	6.160	.01000	-.02000	-10.32000	.00000	-.01000	.03000	.04000	6.17000	4.98700	1610.00000
.601	8.210	.01000	-.01000	-10.32000	.00000	.00000	.03000	.04000	8.22000	4.98900	1611.00000
	GRADIENT	.00275	.00259	.00016	.00000	.00534	-.00097	.00081	.98980	.00055	.33942

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E100) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.024
RDBF =	-10.297	ALPHA =	10.000
ELEVON =	.000	SPOBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 100/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-5.990	-.01000	-.01000	-10.31000	.00000	-.02000	.00000	10.07000	-6.06000	4.98800	1612.00000
.600	-3.980	-.02000	-.02000	-10.31000	.00000	-.04000	.00000	10.07000	-4.04000	4.99200	1612.00000
.600	-2.970	-.02000	-.02000	-10.32000	.00000	-.04000	.00000	10.07000	-3.03000	4.98800	1613.00000
.600	-1.960	-.02000	-.02000	-10.30000	.00000	-.04000	.01000	10.07000	-2.01000	4.98800	1613.00000
.600	-.960	-.01000	-.03000	-10.29000	.00000	-.05000	.02000	10.07000	-.99000	4.98300	1613.00000
.600	.030	-.01000	-.03000	-10.27000	.00000	-.04000	.02000	10.07000	.01000	4.98000	1614.00000
.600	1.040	-.01000	-.02000	-10.25000	.00000	-.03000	.01000	10.07000	1.04000	4.98800	1614.00000
.600	2.060	.00000	-.03000	-10.27000	.00000	-.03000	.03000	10.07000	2.07000	4.99300	1614.00000
.600	3.090	-.01000	-.04000	-10.31000	.00000	-.04000	.03000	10.07000	3.08000	4.98100	1615.00000
.600	4.110	.00000	-.03000	-10.30000	.00000	-.04000	.03000	10.07000	4.10000	4.98600	1615.00000
.600	6.190	.00000	-.02000	-10.31000	.00000	-.02000	.02000	10.07000	6.16000	4.99200	1616.00000
.600	8.210	.00000	-.02000	-10.32000	.00000	-.02000	.03000	10.06000	8.20000	4.99800	1616.00000
	GRADIENT	.00247	-.00182	.00277	.00000	.00066	.00396	-.00000	1.00823	-.00049	.34664

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E101) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.000
RDBF =	-10.293	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-6.010	-.02000	.00000	-10.30000	.00000	-.03000	-.02000	12.02000	-6.05000	5.00300	1617.00000
.599	-4.000	-.03000	-.01000	-10.31000	.00000	-.04000	-.02000	12.03000	-4.03000	5.00500	1618.00000
.599	-2.990	-.04000	-.01000	-10.31000	.00000	-.05000	-.02000	12.03000	-3.02000	5.01000	1618.00000
.599	-1.980	-.04000	.00000	-10.30000	.00000	-.04000	-.03000	12.02000	-2.01000	5.00500	1619.00000
.599	-.960	-.04000	.00000	-10.28000	.00000	-.03000	-.04000	12.02000	-.99000	5.00300	1619.00000
.599	.050	-.04000	-.01000	-10.28000	.00000	-.05000	-.03000	12.03000	.01000	5.00800	1619.00000
.599	1.050	-.04000	.00000	-10.26000	.00000	-.03000	-.04000	12.03000	1.04000	5.00500	1620.00000
.599	2.090	-.03000	.01000	-10.27000	.00000	-.03000	-.04000	12.03000	2.07000	5.00700	1620.00000
.599	3.060	-.04000	.00000	-10.28000	.00000	-.04000	-.03000	12.03000	3.09000	5.00900	1620.00000
.599	4.140	-.03000	.01000	-10.30000	.00000	-.02000	-.04000	12.02000	4.11000	5.01200	1621.00000
.599	6.170	-.03000	.00000	-10.30000	.00000	-.02000	-.03000	12.02000	6.16000	5.00700	1621.00000
.599	8.260	-.02000	.01000	-10.33000	.00000	-.01000	-.03000	12.02000	8.21000	5.01400	1622.00000
	GRADIENT	.00034	.00214	.00343	.00000	.00215	-.00214	-.00017	1.00358	.00051	.34529

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E102) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.073	RDA =	.020
RDBF =	.134	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

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

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-1.940	.00000	-.02000	.14000	.00000	-.01000	.02000	-1.97000	.04000	5.00300	1628.00000
.600	.040	.01000	-.02000	.16000	.00000	-.01000	.03000	.04000	.04000	5.00300	1629.00000
.600	2.060	.01000	-.01000	.16000	.00000	.00000	.03000	2.06000	.04000	5.00300	1629.00000
.600	4.060	.00000	-.01000	.16000	.00000	-.01000	.02000	4.03000	.03000	5.00200	1630.00000
.600	6.040	.01000	-.01000	.13000	.00000	.00000	.02000	6.03000	.04000	5.00100	1630.00000
.600	8.040	.01000	-.01000	.14000	.00000	-.01000	.02000	8.02000	.04000	4.99500	1631.00000
.600	10.100	-.01000	.00000	.16000	.00000	.00000	-.01000	10.08000	.04000	4.99600	1631.00000
.600	11.090	-.01000	-.01000	.14000	.00000	-.01000	.00000	11.06000	.04000	5.00100	1632.00000
.600	12.060	-.01000	.00000	.15000	.00000	-.01000	-.02000	12.03000	.04000	4.99500	1632.00000
.600	13.100	-.01000	.00000	.14000	.00000	-.02000	-.01000	13.07000	.04000	4.99400	1632.00000
.600	14.120	-.04000	.02000	.14000	.00000	-.02000	-.06000	14.09000	.04000	4.99200	1633.00000
.600	15.100	-.15000	.06000	.13000	.00000	-.10000	-.21000	15.08000	.04000	4.99800	1634.00000
.600	16.080	-.19000	.10000	.12000	.00000	-.09000	-.29000	16.07000	.04000	4.99200	1634.00000
.600	20.010	-.64000	.19000	.01000	.00000	-.44000	-.83000	20.01000	.04000	4.98100	1635.00000
	GRADIENT	-.00000	.00200	.00299	.00000	.00050	-.00000	.99999	-.00150	-.00015	.29940

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E103) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.026	RDA =	.064
RDBF =	16.330	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 103/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-1.930	.04000	.05000	16.33000	.00000	.09000	-.01000	-1.96000	.04000	4.98900	1637.00000
.599	.060	.04000	.06000	16.34000	.00000	.10000	-.02000	.06000	.04000	4.99600	1637.00000
.599	2.060	.05000	.06000	16.33000	.00000	.10000	-.01000	2.06000	.04000	4.99500	1638.00000
.599	4.050	.04000	.06000	16.34000	.00000	.10000	-.02000	4.03000	.04000	4.98800	1638.00000
.599	6.040	.05000	.06000	16.34000	.00000	.11000	.00000	6.02000	.04000	4.98600	1639.00000
.599	8.060	.04000	.07000	16.33000	.00000	.11000	-.03000	8.03000	.04000	4.98500	1639.00000
.599	10.100	.04000	.07000	16.33000	.00000	.11000	-.03000	10.07000	.04000	4.99600	1640.00000
.599	11.100	.03000	.07000	16.33000	.00000	.10000	-.04000	11.07000	.04000	4.99300	1640.00000
.599	12.080	.03000	.08000	16.34000	.00000	.11000	-.05000	12.05000	.04000	4.99300	1640.00000
.599	13.100	.01000	.08000	16.32000	.00000	.10000	-.07000	13.07000	.04000	4.99600	1641.00000
.599	14.120	-.06000	.17000	16.33000	.00000	.11000	-.23000	14.10000	.04000	4.99400	1642.00000
.599	15.110	.13000	-.03000	16.33000	.00000	.10000	.16000	15.10000	.04000	4.98500	1642.00000
.599	16.100	.03000	.06000	16.31000	.00000	.09000	-.03000	16.09000	.04000	4.99000	1642.00000
.599	20.040	-.11000	.03000	16.32000	.00000	-.08000	-.14000	20.04000	.04000	4.97400	1643.00000
	GRADIENT	.00050	.00150	.00100	.00000	.00150	-.00100	1.00150	.00000	-.00020	.20070

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E104) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.006	RDA =	-.015
RDBF =	21.071	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 104/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-1.960	-.03000	-.01000	21.06000	.00000	-.04000	-.02000	-1.99000	.04000	5.01500	1651.00000
.599	.040	-.02000	.00000	21.07000	.00000	-.03000	-.02000	.04000	.04000	5.00900	1652.00000
.599	2.050	-.02000	-.01000	21.07000	.00000	-.03000	-.01000	2.05000	.04000	5.01300	1652.00000
.599	4.040	-.02000	.00000	21.08000	.00000	-.02000	-.03000	4.02000	.04000	5.01700	1653.00000
.599	6.050	-.02000	.01000	21.08000	.00000	-.01000	-.03000	6.03000	.04000	5.00900	1653.00000
.599	8.070	-.02000	-.01000	21.07000	.00000	-.03000	-.02000	8.04000	.04000	5.01500	1653.00000
.599	10.100	-.01000	.01000	21.07000	.00000	.00000	-.03000	10.07000	.04000	5.00700	1654.00000
.599	11.100	-.03000	.00000	21.08000	.00000	-.03000	-.03000	11.07000	.04000	5.01400	1654.00000
.599	12.090	-.03000	.00000	21.07000	.00000	-.03000	-.03000	12.05000	.04000	5.01200	1655.00000
.599	13.110	-.02000	.00000	21.06000	.00000	-.02000	-.03000	13.07000	.04000	5.00900	1655.00000
.599	14.130	-.04000	.02000	21.07000	.00000	-.02000	-.06000	14.10000	.04000	5.00900	1655.00000
.599	15.120	.06000	-.08000	21.07000	.00000	-.02000	.14000	15.10000	.04000	5.01100	1656.00000
.599	16.100	.06000	-.09000	21.07000	.00000	-.03000	.15000	16.09000	.04000	5.00500	1656.00000
.599	20.050	.05000	-.05000	21.07000	.00000	.00000	.10000	20.06000	.04000	5.00000	1658.00000
	GRADIENT	.00150	.00100	.00300	.00000	.00300	-.00099	1.00150	.00000	.00050	.29970

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E105) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.039	RDA =	-.006
RDBF =	21.085	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 105/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-3.970	-.05000	-.01000	21.09000	.00000	-.06000	-.04000	10.01000	-4.03000	5.00600	1703.00000
.600	-2.970	-.05000	.00000	21.09000	.00000	-.05000	-.05000	10.01000	-3.03000	5.00900	1703.00000
.600	-1.970	-.05000	-.02000	21.09000	.00000	-.07000	-.03000	10.01000	-2.02000	4.99700	1703.00000
.600	-.960	-.04000	-.01000	21.08000	.00000	-.05000	-.03000	10.01000	-1.00000	5.00100	1704.00000
.600	.030	-.05000	-.01000	21.09000	.00000	-.05000	-.04000	10.00000	.01000	4.99500	1704.00000
.600	1.030	-.04000	-.01000	21.08000	.00000	-.05000	-.03000	10.00000	1.03000	4.99800	1704.00000
.600	2.060	-.03000	-.01000	21.08000	.00000	-.04000	-.03000	10.00000	2.06000	4.99800	1705.00000
.600	3.080	-.03000	.00000	21.08000	.00000	-.04000	-.03000	10.00000	3.08000	5.00400	1705.00000
.600	4.120	-.03000	.00000	21.09000	.00000	-.03000	-.04000	9.99000	4.09000	5.00100	1705.00000
.600	6.180	-.03000	.00000	21.08000	.00000	-.04000	-.03000	9.99000	6.14000	4.99900	1706.00000
.600	8.220	-.03000	.00000	21.09000	.00000	-.02000	-.03000	9.99000	8.18000	5.00300	1706.00000
	GRADIENT	.00298	.00100	-.00082	.00000	.00347	.00098	-.00231	1.00723	-.00059	.29724

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E106) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	-.009
RDBF =	16.373	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-5.980	-.04000	-.01000	16.38000	.00000	-.05000	-.02000	10.00000	-6.06000	4.99600	1708.00000
.599	-3.980	-.04000	-.03000	16.37000	.00000	-.07000	-.02000	10.00000	-4.04000	4.99600	1709.00000
.599	-2.980	-.04000	-.02000	16.37000	.00000	-.06000	-.01000	10.00000	-3.03000	4.99400	1709.00000
.599	-1.970	-.02000	-.02000	16.37000	.00000	-.04000	.00000	10.00000	-2.01000	4.99200	1710.00000
.599	-.970	-.01000	-.01000	16.37000	.00000	-.02000	.00000	10.00000	-1.00000	4.99900	1710.00000
.599	.040	-.01000	-.01000	16.38000	.00000	-.02000	.00000	10.00000	.01000	4.99700	1710.00000
.599	1.040	-.01000	-.01000	16.37000	.00000	-.02000	.00000	10.00000	1.03000	4.99000	1711.00000
.599	2.060	.00000	.00000	16.38000	.00000	-.01000	.00000	10.00000	2.05000	5.00100	1711.00000
.599	3.050	.00000	-.01000	16.38000	.00000	-.01000	.01000	10.00000	3.07000	4.99800	1711.00000
.599	4.110	.00000	-.01000	16.37000	.00000	-.01000	.01000	9.99000	4.09000	4.99700	1712.00000
.599	6.160	.01000	.01000	16.37000	.00000	.02000	-.01000	9.99000	6.13000	4.98700	1712.00000
.599	8.210	.01000	.01000	16.37000	.00000	.02000	.00000	9.99000	8.17000	5.00400	1712.00000
	GRADIENT	.00528	.00247	.00082	.00000	.00743	.00297	-.00067	1.00741	.00041	.34722

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E107) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.007
RDBF =	-.009	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 107/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-5.980	-.03000	.00000	.01000	.00000	-.03000	-.02000	9.98000	-6.07000	4.99000	1714.00000
.600	-3.970	-.03000	-.02000	-.02000	.00000	-.05000	-.02000	9.99000	-4.04000	4.99200	1714.00000
.600	-2.970	-.03000	-.01000	-.01000	.00000	-.04000	-.02000	9.99000	-3.03000	4.99100	1714.00000
.600	-1.970	-.04000	-.01000	-.01000	.00000	-.05000	-.03000	9.99000	-2.02000	4.99100	1715.00000
.600	-.960	-.03000	-.01000	.00000	.00000	-.04000	-.03000	9.98000	-1.00000	4.99600	1715.00000
.600	.040	-.03000	.00000	.01000	.00000	-.03000	-.04000	9.99000	.01000	4.99800	1716.00000
.600	1.020	-.02000	.00000	.01000	.00000	-.02000	-.03000	9.98000	1.03000	4.98900	1716.00000
.600	2.040	-.03000	-.01000	-.01000	.00000	-.04000	-.03000	9.98000	2.05000	4.99600	1716.00000
.600	3.090	-.03000	.00000	-.01000	.00000	-.03000	-.03000	9.98000	3.07000	4.99200	1717.00000
.600	4.120	-.04000	-.01000	-.02000	.00000	-.05000	-.03000	9.98000	4.08000	4.99400	1717.00000
.600	6.170	-.04000	-.01000	-.02000	.00000	-.05000	-.03000	9.97000	6.12000	4.98200	1717.00000
.600	8.220	-.04000	-.01000	-.04000	.00000	-.05000	-.03000	9.97000	8.16000	5.00300	1718.00000
	GRADIENT	-.00018	.00131	.00014	.00000	.00114	-.00115	-.00148	1.00671	.00023	.39640

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E108) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	.032
RDBF =	-10.195	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 108/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.397	-6.010	-.04000	.03000	-10.19000	.00000	-.01000	-.06000	5.00000	-6.05000	5.13600	1732.00000
.397	-4.030	-.03000	.03000	-10.19000	.00000	.00000	-.06000	5.00000	-4.04000	5.13400	1732.00000
.397	-3.030	-.03000	.02000	-10.20000	.00000	.00000	-.05000	5.00000	-3.04000	5.13100	1733.00000
.397	-2.010	-.03000	.03000	-10.20000	.00000	.00000	-.05000	5.00000	-2.02000	5.13700	1733.00000
.397	-1.020	-.03000	.03000	-10.20000	.00000	.00000	-.05000	5.01000	-1.01000	5.13200	1733.00000
.397	-.010	-.02000	.04000	-10.19000	.00000	.02000	-.05000	5.00000	.00000	5.12600	1734.00000
.397	1.160	-.02000	.03000	-10.19000	.00000	.02000	-.05000	4.98000	1.02000	5.13200	1735.00000
.397	2.140	-.02000	.04000	-10.19000	.00000	.03000	-.06000	4.99000	2.04000	5.12900	1735.00000
.397	3.150	-.01000	.03000	-10.20000	.00000	.02000	-.04000	4.99000	3.04000	5.13000	1736.00000
.397	4.170	-.01000	.04000	-10.19000	.00000	.03000	-.05000	4.99000	4.05000	5.12900	1736.00000
.397	6.200	-.01000	.03000	-10.19000	.00000	.02003	-.05000	4.99000	6.09000	5.14200	1736.00000
.397	8.230	.00000	.03000	-10.21000	.00000	.03000	-.03000	5.00000	8.11000	5.13600	1737.00000
	GRADIENT	.00275	.00145	.00049	.00000	.00421	.00080	-.00197	.98250	-.00062	.50232

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E109) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.034
RDBF =	-10.193	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 109/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-5.970	.00000	.03000	-10.19000	.00000	.03000	-.03000	10.01000	-6.05000	5.14400	1739.00000
.398	-3.950	.00000	.03000	-10.19000	.00000	.03000	-.04000	10.01000	-4.04000	5.13500	1739.00000
.398	-2.950	.00000	.03000	-10.19000	.00000	.03000	-.03000	10.00000	-3.04000	5.13200	1740.00000
.398	-1.950	-.01000	.02000	-10.20000	.00000	.01000	-.03000	10.00000	-2.02000	5.12800	1740.00000
.398	-.950	.00000	.04000	-10.19000	.00000	.03000	-.04000	10.01000	-1.01000	5.13900	1741.00000
.398	.040	-.01000	.02000	-10.20000	.00000	.02000	-.03000	10.00000	-.01000	5.13500	1741.00000
.398	1.030	-.01000	.03000	-10.19000	.00000	.02000	-.04000	10.00000	1.01000	5.12900	1741.00000
.398	2.050	-.01000	.03000	-10.20000	.00000	.02000	-.04000	10.00000	2.03000	5.13600	1742.00000
.398	3.070	-.01000	.04000	-10.19000	.00000	.03000	-.05000	10.00000	3.04000	5.13300	1742.00000
.398	4.080	-.01000	.04000	-10.19000	.00000	.03000	-.05000	9.99000	4.06000	5.13000	1743.00000
.398	6.140	-.01000	.05000	-10.19000	.00000	.05000	-.06000	9.99000	6.09000	5.13500	1743.00000
.398	8.180	-.01000	.05000	-10.20000	.00000	.05000	-.06000	9.98000	8.12000	5.11900	1743.00000
	GRADIENT	-.00133	.00134	.00000	.00000	.00017	-.00200	-.00150	1.00996	-.00018	.43235

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E110) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.005	RDA =	.037
RDBF =	-10.193	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 110/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-5.980	-.01000	.05000	-10.19000	.00000	.04000	-.06000	12.04000	-6.04000	5.13700	1745.00000
.398	-3.970	-.01000	.05000	-10.19000	.00000	.04000	-.06000	12.05000	-4.03000	5.13600	1746.00000
.398	-2.960	-.01000	.03000	-10.20000	.00000	.02000	-.04000	12.05000	-3.03000	5.13300	1746.00000
.398	-1.950	-.01000	.04000	-10.19000	.00000	.03000	-.06000	12.05000	-2.02000	5.12800	1747.00000
.398	-.950	-.01000	.03000	-10.20000	.00000	.02000	-.05000	12.04000	-1.01000	5.12700	1747.00000
.398	.060	-.01000	.05000	-10.19000	.00000	.03000	-.06000	12.05000	.00000	5.13100	1748.00000
.398	1.070	-.01000	.03000	-10.19000	.00000	.02000	-.05000	12.05000	1.02000	5.13000	1748.00000
.398	2.080	-.01000	.04000	-10.19000	.00000	.03000	-.05000	12.05000	2.04000	5.14100	1749.00000
.398	3.100	.00000	.03000	-10.20000	.00000	.03000	-.03000	12.04000	3.05000	5.12800	1751.00000
.398	4.120	.01000	.03000	-10.20000	.00000	.04000	-.03000	12.04000	4.07000	5.12900	1752.00000
.398	6.170	.00000	.03000	-10.19000	.00000	.04000	-.03000	12.04000	6.11000	5.12600	1753.00000
.398	8.210	.01000	.04000	-10.19000	.00000	.05000	-.03000	12.03000	8.14000	5.12600	1753.00000
	GRADIENT	.00182	-.00132	-.00050	.00000	.00050	.00281	-.00099	1.00280	-.00023	.72636

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E111) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	.036
RDBF =	-10.189	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 111/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.397	-6.100	-.01000	.04000	-10.18000	.00000	.03000	-.05000	.01000	-6.05000	5.13000	1756.00000
.397	-4.090	-.01000	.03000	-10.19000	.00000	.02000	-.04000	.01000	-4.05000	5.12400	1756.00000
.397	-3.090	-.01000	.02000	-10.19000	.00000	.01000	-.03000	.01000	-3.04000	5.13000	1757.00000
.397	-2.050	-.01000	.03000	-10.19000	.00000	.02000	-.04000	.01000	-2.03000	5.12400	1757.00000
.397	-1.030	-.02000	.03000	-10.18000	.00000	.02000	-.05000	.01000	-1.02000	5.12400	1758.00000
.397	.010	-.02000	.04000	-10.19000	.00000	.02000	-.05000	.01000	-.01000	5.12600	1758.00000
.397	1.030	-.02000	.05000	-10.18000	.00000	.03000	-.06000	.01000	1.01000	5.13100	1759.00000
.397	2.070	-.01000	.03000	-10.19000	.00000	.02000	-.05000	.00000	2.03000	5.12800	1759.00000
.397	3.090	-.01000	.03000	-10.19000	.00000	.02000	-.05000	.00000	3.04000	5.13100	1800.00000
.397	4.060	-.01000	.05000	-10.19000	.00000	.04000	-.05000	.00000	4.02000	5.12800	1800.00000
.397	6.160	-.01000	.05000	-10.19000	.00000	.04000	-.05000	.00000	6.08000	5.12900	1801.00000
.397	8.190	.00000	.03000	-10.21000	.00000	.03000	-.04000	.00000	8.11000	5.12000	1801.00000
	GRADIENT	-.00000	.00211	.00000	.00000	.00195	-.00212	-.00147	.98745	.00055	5.03391

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E112) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.037
RDBF =	-10.200	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 112/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-2.230	.00000	.03000	-10.20000	.00000	.02000	-.03000	-2.01000	2.01000	5.13000	1804.00000
.398	-.200	.01000	.02000	-10.21000	.00000	.02000	-.01000	.01000	2.00000	5.15400	1805.00000
.398	1.770	.00000	.04000	-10.19000	.00000	.04000	-.03000	1.99000	2.00000	5.14900	1807.00000
.398	3.780	.00000	.03000	-10.21000	.00000	.02000	-.03000	3.97000	2.01000	5.16200	1808.00000
.398	5.850	.00000	.04000	-10.20000	.00000	.04000	-.04000	5.99000	2.01000	5.14600	1808.00000
.398	7.890	.00000	.04000	-10.20000	.00000	.04000	-.05000	8.01000	2.01000	5.15000	1809.00000
.398	9.900	-.01000	.03000	-10.21000	.00000	.03000	-.04000	10.00000	2.01000	5.14400	1810.00000
.398	10.910	-.01000	.04000	-10.19000	.00000	.03000	-.05000	11.03000	2.01000	5.14800	1811.00000
.398	11.910	-.01000	.04000	-10.20000	.00000	.03000	-.04000	12.04000	2.01000	5.15000	1812.00000
.398	12.900	-.01000	.04000	-10.20000	.00000	.03000	-.04000	13.03000	2.01000	5.14900	1813.00000
.398	13.910	-.01000	.06000	-10.19000	.00000	.05000	-.06000	14.06000	2.02000	5.14900	1814.00000
.398	14.910	.00000	.06000	-10.19000	.00000	.05000	-.06000	15.06000	2.02000	5.14700	1814.00000
.398	15.890	.00000	.03000	-10.21000	.00000	.03000	-.04000	16.05000	2.02000	5.13800	1815.00000
.398	19.800	-.21000	.04000	-10.20000	.00000	-.16000	-.25000	19.98000	2.04000	5.15100	1816.00000
	GRADIENT	-.00049	.00098	-.00052	.00000	.00099	-.00098	.99599	-.00000	.00456	.69948

ARC 213-1-1) LA89 OV 101 WITH T/C (S2E113) (19 MAR 77)

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 1076.6800 IN. XO		
LREF	= 474.8100 IN.	YMRP	= .0000 IN. YO		
BREF	= 936.6800 IN.	ZMRP	= 375.0000 IN. ZO		
SCALE	= .0300				

PARAMETRIC DATA

RDE	= .015	RDA	= .033		
RDBF	= -10.194	BETA	= .000		
ELEVON	= .000	SPDBRK	= .000		
BDFLAP	= -11.700	RN/L	= 5.250		
GRIT	= .000				

RUN NO. 113/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-2.210	.01000	.02000	-10.19000	.00000	.03000	-.01000	-1.99000	-.04000	5.15000	1818.00000
.398	-.190	.02000	.03000	-10.19000	.00000	.04000	-.01000	.02000	-.04000	5.14500	1819.00000
.398	1.800	.02000	.03000	-10.19000	.00000	.05000	-.01000	2.01000	-.04000	5.13800	1819.00000
.398	3.800	.03000	.01000	-10.19000	.00000	.04000	.02000	3.98000	-.04000	5.14200	1820.00000
.398	5.800	.04000	.00000	-10.20000	.00000	.04000	.04000	6.01000	-.04000	5.13900	1820.00000
.398	7.820	.04000	.01000	-10.20000	.00000	.04000	.03000	8.02000	-.04000	5.13700	1821.00000
.398	9.790	.04000	.02000	-10.19000	.00000	.05000	.02000	9.99000	-.04000	5.14000	1821.00000
.398	10.780	.03000	.02000	-10.19000	.00000	.06000	.01000	11.02000	-.04000	5.13700	1822.00000
.398	11.840	.03000	.03000	-10.19000	.00000	.06000	.00000	12.05000	-.04000	5.13700	1822.00000
.398	12.830	.02000	.02000	-10.20000	.00000	.04000	.00000	13.06000	-.04000	5.12900	1823.00000
.398	13.820	.02000	.03000	-10.19000	.00000	.04000	-.01000	14.06000	-.04000	5.13300	1824.00000
.398	14.820	.02000	.03000	-10.20000	.00000	.04000	-.01000	15.06000	-.04000	5.13300	1825.00000
.398	15.810	.01000	.04000	-10.20000	.00000	.05000	-.03000	16.05000	-.04000	5.13400	1825.00000
.398	19.780	-.12000	.17000	-10.19000	.00000	.05000	-.28000	20.02000	-.04000	5.13300	1827.00000
	GRADIENT	.00300	-.00149	-.00000	.00000	.00200	.00449	.99401	-.00000	-.00155	.29990

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E114) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.036
RDBF =	-10.198	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 114/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.396	-6.020	.01000	.04000	-10.20000	.00000	.05000	-.04000	5.01000	-6.09000	4.96300	1835.00000
.396	-4.030	.01000	.02000	-10.21000	.00000	.03000	-.01000	5.01000	-4.08000	4.98300	1836.00000
.396	-3.020	.01000	.02000	-10.20000	.00000	.03000	-.01000	5.01000	-3.08000	4.97300	1836.00000
.396	-2.020	.02000	.02000	-10.21000	.00000	.04000	-.01000	5.01000	-2.07000	4.97800	1836.00000
.396	-1.010	.02000	.04000	-10.19000	.00000	.05000	-.02000	5.00000	-1.05000	4.97800	1837.00000
.396	.000	.01000	.03000	-10.20000	.00000	.04000	-.01000	5.00000	-.05000	4.98000	1837.00000
.396	1.100	.01000	.04000	-10.19000	.00000	.05000	-.03000	5.01000	.97000	4.99000	1838.00000
.396	2.140	.01000	.03000	-10.19000	.00000	.04000	-.03000	5.01000	1.99000	4.98500	1838.00000
.396	3.150	.01000	.03000	-10.20000	.00000	.04000	-.03000	5.01000	3.01000	4.99200	1839.00000
.396	4.170	.01000	.05000	-10.20000	.00000	.06000	-.04000	5.01000	4.02000	4.98000	1839.00000
.396	6.200	.01000	.05000	-10.19000	.00000	.06000	-.04000	5.01000	6.05000	4.98400	1839.00000
.396	8.240	.02000	.06000	-10.20000	.00000	.08000	-.05000	5.01000	8.08000	4.98600	1840.00000
	GRADIENT	-.00049	.00275	.00129	.00000	.00242	-.00374	.00018	.98485	.00116	.42164

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E115) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.053
RDBF =	-6.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 115/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-6.030	.01000	.06000	-6.12000	.00000	.07000	-.05000	5.01000	-6.09000	4.98000	1841.00000
.398	-4.030	.01000	.06000	-6.11000	.00000	.07000	-.05000	5.01000	-4.08000	4.97900	1842.00000
.398	-3.020	.01000	.06000	-6.11000	.00000	.07000	-.05000	5.01000	-3.07000	4.97600	1842.00000
.398	-2.030	.01000	.05000	-6.12000	.00000	.06000	-.04000	4.98000	-2.06000	4.98500	1842.00000
.398	-1.030	.01000	.05000	-6.11000	.00000	.06000	-.04000	4.97000	-1.04000	4.97900	1843.00000
.398	.000	.01000	.05000	-6.11000	.00000	.06000	-.04000	5.00000	-.02000	4.97700	1844.00000
.398	1.090	.01000	.05000	-6.11000	.00000	.06000	-.04000	5.00000	.99000	4.98200	1844.00000
.398	2.140	.01000	.05000	-6.12000	.00000	.06000	-.03000	5.00000	2.01000	4.98100	1844.00000
.398	3.150	.01000	.06000	-6.11000	.00000	.07000	-.04000	5.00000	3.02000	4.98000	1845.00000
.398	4.160	.02000	.05000	-6.12000	.00000	.07000	-.03000	5.00000	4.03000	4.98300	1845.00000
.398	6.190	.02000	.05000	-6.13000	.00000	.07000	-.03000	5.00000	6.04000	4.96900	1846.00000
.398	8.230	.02000	.05000	-6.13000	.00000	.07000	-.03000	5.01000	8.07000	4.97400	1846.00000
	GRADIENT	.00065	-.00064	-.00065	.00000	.00001	.00210	.00004	.98610	.00037	.42097

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E116) (19 MAR 77)

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 1076.6800 IN.	XO	
LREF	= 474.8100 IN.	YMRP	= .0000 IN.	YO	
BREF	= 936.6800 IN.	ZMRP	= 375.0000 IN.	ZO	
SCALE	= .0300				

PARAMETRIC DATA

RDE	=	.013	RDA	=	.049
RDBF	=	-3.897	ALPHA	=	5.000
ELEVON	=	.000	SPDBRK	=	.000
BDFLAP	=	-4.000	RN/L	=	5.000
GRIT	=	.000			

RUN NO. 116/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.020	.02000	.05000	-3.90000	.00000	.07000	-.03000	5.01000	-6.09000	4.97600	1848.00000
.399	-4.040	.02000	.04000	-3.91000	.00000	.06000	-.01000	5.01000	-4.08000	4.97100	1849.00000
.399	-3.020	.02000	.04000	-3.90000	.00000	.06000	-.03000	5.01000	-3.07000	4.97500	1849.00000
.399	-2.030	.02000	.04000	-3.90000	.00000	.05000	-.02000	5.00000	-2.06000	4.97300	1849.00000
.399	-1.020	.01000	.05000	-3.88000	.00000	.06000	-.03000	5.01000	-1.07000	4.97800	1850.00000
.399	-.010	.01000	.05000	-3.89000	.00000	.05000	-.04000	4.97000	-.08000	4.98000	1850.00000
.399	1.140	.01000	.04000	-3.91000	.00000	.05000	-.04000	4.99000	.94000	4.97700	1851.00000
.399	2.130	.01000	.05000	-3.90000	.00000	.06000	-.04000	5.00000	1.96000	4.98700	1851.00000
.399	3.140	.01000	.05000	-3.90000	.00000	.06000	-.04000	5.00000	2.97000	4.98000	1852.00000
.399	4.170	.01000	.07000	-3.89000	.00000	.07000	-.06000	5.00000	3.98000	4.97700	1852.00000
.399	6.200	.01000	.05000	-3.91000	.00000	.06000	-.04000	5.00000	5.99000	4.97500	1853.00000
.399	8.220	.01000	.06000	-3.89000	.00000	.08000	-.05000	5.00000	7.94000	4.97600	1853.00000
	GRADIENT	-.00145	.00257	.00076	.00000	.00081	-.00453	-.00144	.97736	.00107	.42137

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E117) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.055
RDBF =	-1.802	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 117/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.020	.00000	.05000	-1.83000	.00000	.05000	-.05000	5.00000	-6.05000	4.97500	1856.00000
.399	-4.030	.00000	.05000	-1.81000	.00000	.05000	-.05000	5.00000	-6.01000	4.97700	1856.00000
.399	-3.020	.00000	.05000	-1.80000	.00000	.05000	-.05000	5.00000	-6.00000	4.97300	1857.00000
.399	-2.020	.01000	.05000	-1.80000	.00000	.06000	-.04000	5.00000	-5.99000	4.98000	1857.00000
.399	-1.020	.01000	.05000	-1.80000	.00000	.06000	-.04000	5.00000	-5.97000	4.97400	1857.00000
.399	-.010	.01000	.05000	-1.80000	.00000	.06000	-.04000	4.97000	-5.96000	4.97700	1858.00000
.399	1.130	.01000	.07000	-1.79000	.00000	.08000	-.06000	4.97000	-5.63000	4.97500	1858.00000
.399	2.120	.01000	.07000	-1.79000	.00000	.08000	-.05000	4.97000	-5.62000	4.96900	1859.00000
.399	3.140	.01000	.07000	-1.79000	.00000	.08000	-.05000	4.97000	-5.61000	4.97200	1859.00000
.399	4.150	.02000	.05000	-1.80000	.00000	.07000	-.04000	4.97000	-5.60000	4.97500	1859.00000
.399	6.180	.02000	.05000	-1.81000	.00000	.07000	-.03000	4.97000	-5.57000	4.97600	1900.00000
.399	8.220	.02000	.05000	-1.81000	.00000	.07000	-.03000	4.97000	-5.54000	4.98100	1900.00000
	GRADIENT	.00178	.00197	.00163	.00000	.00375	-.00003	-.00487	.06347	-.00052	.37318

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E118) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.048
RDBF =	.023	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 118/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-6.020	.01000	.02000	.01000	.00000	.04000	-.01000	5.01000	-5.72000	4.98900	1904.00000
.398	-4.020	.01000	.03000	.02000	.00000	.04000	-.02000	5.01000	-5.70000	4.99000	1905.00000
.398	-3.020	.01000	.03000	.03000	.00000	.05000	-.02000	5.01000	-5.69000	4.98300	1905.00000
.398	-2.030	.01000	.03000	.02000	.00000	.05000	-.02000	5.01000	-5.68000	4.99300	1905.00000
.398	-1.030	.01000	.04000	.03000	.00000	.05000	-.03000	5.01000	-5.66000	4.98700	1906.00000
.398	-.010	.01000	.04000	.02000	.00000	.05000	-.03000	5.02000	-5.65000	4.99300	1906.00000
.398	1.140	.01000	.05000	.03000	.00000	.06000	-.04000	4.98000	-5.64000	4.99000	1908.00000
.398	2.140	.01000	.07000	.03000	.00000	.06000	-.06000	4.98000	-5.62000	5.00600	1909.00000
.398	3.150	.01000	.06000	.03000	.00000	.07000	-.06000	4.98000	-5.61000	5.01100	1909.00000
.398	4.160	.01000	.07000	.03000	.00000	.08000	-.06000	4.98000	-5.60000	5.01300	1909.00000
.398	6.200	.01000	.07000	.02000	.00000	.09000	-.06000	4.98000	-5.57000	5.00800	1910.00000
.398	8.230	.02000	.06000	.00000	.00000	.08000	-.05000	4.98000	-5.54000	5.00900	1910.00000
	GRADIENT	-.00000	.00552	.00098	.00000	.00471	-.00601	-.00491	.01263	.00332	.61805

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E119) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.057
RDBF =	8.014	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 119/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.030	.01000	.07000	8.01000	.00000	.08000	-.06000	4.98000	-5.72000	5.01300	1912.00000
.399	-4.020	.00000	.06000	8.02000	.00000	.06000	-.05000	4.99000	-5.70000	5.01200	1913.00000
.399	-3.020	.01000	.05000	8.01000	.00000	.06000	-.05000	4.99000	-5.69000	5.01400	1913.00000
.399	-2.030	.01000	.05000	8.01000	.00000	.06000	-.04000	4.99000	-5.68000	5.01400	1914.00000
.399	-1.040	.01000	.05000	8.01000	.00000	.06000	-.04000	4.98000	-5.66000	5.01400	1914.00000
.399	-.010	.01000	.05000	8.02000	.00000	.06000	-.04000	4.98000	-5.68000	5.01800	1915.00000
.399	1.140	.01000	.05000	8.01000	.00000	.07000	-.04000	4.98000	-5.51000	5.01400	1915.00000
.399	2.130	.01000	.05000	8.01000	.00000	.07000	-.04000	4.98000	-5.50000	5.01200	1916.00000
.399	3.150	.02000	.07000	8.02000	.00000	.08000	-.05000	4.98000	-5.49000	5.00800	1916.00000
.399	4.160	.02000	.05000	8.01000	.00000	.07000	-.03000	4.98000	-5.48000	5.00500	1917.00000
.399	6.200	.02000	.06000	8.02000	.00000	.08000	-.04000	4.99000	-5.45000	5.00300	1917.00000
.399	8.220	.02000	.07000	8.02000	.00000	.10000	-.05000	4.99000	1.83000	5.00500	1922.00000
	GRADIENT	.00178	.00033	-.00016	.00000	.00212	.00128	-.00145	.03243	-.00082	.48567

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E120) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.064
RDBF =	16.355	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 120/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.040	.01000	.06000	16.35000	.00000	.07000	-.06000	4.99000	1.40000	5.00600	1924.00000
.399	-4.030	.00000	.06000	16.35000	.00000	.06000	-.05000	4.99000	1.42000	5.00600	1924.00000
.399	-3.020	.00000	.06000	16.35000	.00000	.06000	-.05000	4.99000	1.43000	5.00200	1924.00000
.399	-2.030	.00000	.06000	16.37000	.00000	.07000	-.06000	4.99000	1.45000	5.00500	1925.00000
.399	-1.040	.01000	.07000	16.36000	.00000	.08000	-.06000	4.99000	1.46000	5.00400	1925.00000
.399	-.010	.01000	.06000	16.35000	.00000	.07000	-.05000	4.98000	1.47000	5.00100	1926.00000
.399	1.100	.01000	.07000	16.36000	.00000	.07000	-.06000	4.98000	1.49000	4.99500	1926.00000
.399	2.120	.01000	.07000	16.36000	.00000	.06000	-.06000	4.99000	1.50000	4.99500	1927.00000
.399	3.150	.01000	.06000	16.35000	.00000	.08000	-.05000	4.98000	1.51000	4.99400	1927.00000
.399	4.160	.01000	.07000	16.36000	.00000	.09000	-.06000	4.98000	1.52000	4.99900	1927.00000
.399	6.200	.02000	.06000	16.34000	.00000	.07000	-.04000	4.99000	1.55000	4.99200	1928.00000
.399	8.220	.02000	.07000	16.36000	.00000	.09000	-.06000	4.99000	1.58000	4.98900	1928.00000
	GRADIENT	.00145	.00097	.00032	.00000	.00307	-.00064	-.00130	.01248	-.00132	.42114

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E121) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .004 RDA = .046
RDBF = 21.856 ALPHA = 5.000
ELEVON = .000 SPDBRK = .000
BDFLAP = 22.500 RN/L = 5.000
GRIT = .000

RUN NO. 121/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-6.040	.00000	.05000	21.86000	.00000	.05000	-.05000	5.00000	1.40000	4.99500	1930.00000
.398	-4.030	.00000	.06000	21.86000	.00000	.06000	-.05000	5.00000	1.42000	5.00000	1930.00000
.398	-3.020	.01000	.05000	21.86000	.00000	.06000	-.04000	5.00000	1.43000	4.99000	1931.00000
.398	-2.030	.00000	.03000	21.86000	.00000	.04000	-.03000	5.00000	1.45000	4.99800	1931.00000
.398	-1.040	.01000	.04000	21.85000	.00000	.04000	-.03000	5.00000	1.46000	5.00400	1932.00000
.398	-.010	.01000	.04000	21.86000	.00000	.05000	-.03000	5.00000	1.47000	5.00600	1932.00000
.398	1.080	.00000	.04000	21.85000	.00000	.04000	-.03000	5.01000	1.49000	5.00600	1933.00000
.398	2.130	.00000	.04000	21.86000	.00000	.05000	-.04000	5.01000	1.50000	4.99400	1933.00000
.398	3.140	.00000	.04000	21.85000	.00000	.04000	-.04000	5.01000	1.51000	4.99600	1933.00000
.398	4.160	.01000	.05000	21.86000	.00000	.05000	-.04000	5.00000	1.52000	4.99500	1934.00000
.398	6.190	.00000	.05000	21.85000	.00000	.05000	-.04000	5.01000	1.55000	4.98300	1934.00000
.398	8.220	.01000	.05000	21.85000	.00000	.06000	-.04000	5.01000	1.58000	5.00000	1935.00000
	GRADIENT	-.00001	-.00079	-.00048	.00000	-.00128	.00030	.00098	.01248	-.00014	.43739

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E122) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .003 RDA = .056
ALPHA = 10.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = .000

RUN NO. 122/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.400	-10.490	.05000	-.01000	.04000	.00000	.03000	-.05000	9.98000	1.48000	5.00300	1940.00000
.400	-6.110	.05000	.01000	.05000	.00000	.06000	-.04000	9.98000	1.48000	5.00700	1941.00000
.400	-3.880	.05000	.01000	.06000	.00000	.07000	-.05000	9.98000	1.47000	4.99600	1942.00000
.400	-2.230	.05000	.01000	.05000	.00000	.06000	-.03000	9.99000	1.47000	4.99800	1943.00000
.400	-.110	.05000	.02000	.06000	.00000	.07000	-.04000	9.99000	1.47000	4.99300	1945.00000
.400	8.120	.04000	.00000	.06000	.00000	.06000	-.05000	10.00000	1.47000	4.99700	1946.00000
.400	16.340	.05000	.00000	.06000	.00000	.05000	-.06000	10.00000	1.47000	5.00000	1947.00000
.400	21.190	.04000	-.01000	.07000	.00000	.06000	-.08000	10.00000	1.47000	4.99800	1949.00000
.400	21.860	.05000	.00000	.05000	.00000	.05000	-.05000	10.01000	1.47000	5.01200	1938.00000
	GRADIENT	-.00000	.00275	.00022	.00000	.00022	.00231	.00253	.00000	-.00087	.80261

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E123) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.065
ALPHA =	10.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 123/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-10.610	2.06000	.00000	.06000	.00000	.06000	-.06000	9.98000	1.50000	4.99200	1952.00000
.398	-6.020	2.06000	.01000	.07000	.00000	.08000	-.06000	10.02000	1.50000	4.99800	1952.00000
.398	-3.930	2.06000	.02000	.06000	.00000	.07000	-.04000	10.02000	1.50000	5.00100	1953.00000
.398	-2.220	2.06000	.02000	.05000	.00000	.07000	-.04000	10.03000	1.50000	5.01200	1955.00000
.398	-.250	2.06000	.01000	.07000	.00000	.09000	-.06000	10.03000	1.50000	5.02500	1956.00000
.398	8.130	2.06000	.01000	.07000	.00000	.07000	-.06000	10.04000	1.50000	5.02200	1958.00000
.398	16.050	2.06000	.01000	.07000	.00000	.07000	-.06000	10.04000	1.50000	5.01400	1959.00000
.398	21.240	2.06000	.00000	.07000	.00000	.07000	-.07000	10.05000	1.50000	5.01100	2000.00000
	GRADIENT	.00000	-.00278	.00290	.00000	.00555	-.00555	.00265	.00000	.00652	.80718

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E124) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.065
ALPHA =	12.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 124/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-10.500	.07000	.00000	.07000	.00000	.07000	-.08000	12.03000	1.48000	5.00500	2003.00000
.398	-6.180	.07000	.01000	.06000	.00000	.07000	-.05000	12.04000	1.48000	5.01600	2003.00000
.398	-4.010	.07000	.01000	.08000	.00000	.09000	-.07000	12.04000	1.48000	5.01100	2004.00000
.398	-1.840	.07000	.01000	.06000	.00000	.07000	-.04000	12.04000	1.48000	5.00500	2005.00000
.398	-.230	.06000	.02000	.06000	.00000	.06000	-.05000	12.04000	1.48000	5.00700	2005.00000
.398	7.760	.06000	.01000	.08000	.00000	.09000	-.06000	12.04000	1.48000	5.00300	2006.00000
.398	16.410	.06000	.01000	.06000	.00000	.07000	-.05000	12.04000	1.48000	4.99800	2007.00000
.398	21.090	.06000	.01000	.05000	.00000	.07000	-.04000	12.03000	1.48000	5.00500	2007.00000
	GRADIENT	-.00250	.00250	-.00551	.00000	-.00302	.00577	.00000	.00000	-.00115	.27561

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E125) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.067
ALPHA =	12.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 125/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-10.630	2.08000	.01000	.04000	.00000	.05000	-.03000	12.02000	1.50000	4.99900	2009.00000
.399	-6.020	2.08000	.01000	.06000	.00000	.07000	-.04000	12.03000	1.50000	5.00200	2010.00000
.399	-3.960	2.08000	.02000	.07000	.00000	.09000	-.05000	12.03000	1.50000	5.00200	2010.00000
.399	-1.880	2.08000	.02000	.06000	.00000	.07000	-.04000	12.03000	1.50000	4.98900	2011.00000
.399	-.210	2.08000	.01000	.08000	.00000	.09000	-.06000	12.03000	1.50000	4.99800	2012.00000
.399	8.130	2.08000	.01000	.08000	.00000	09000	-.07000	12.04000	1.50000	4.99500	2013.00000
.399	16.350	2.08000	.01000	.07000	.00000	.08000	-.05000	12.05000	1.50000	4.99700	2014.00000
.399	21.270	2.08000	.01000	.08000	.00000	.09000	-.07000	12.05000	1.50000	4.99600	2015.00000
	GRADIENT	.00000	-.00256	.00237	.00000	-.00039	-.00237	.00000	.00000	-.00128	.53122

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E126) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.067	RDA =	-.024
RDBF =	-10.444	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 126/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-2.390	-.03000	-.04000	-10.45000	.00000	-.07000	.01000	-2.19000	.03000	5.00900	2332.00000
.399	-.400	-.02000	-.04000	-10.45000	.00000	-.06000	.02000	-.17000	.03000	5.01000	2332.00000
.399	1.630	-.02000	-.04000	-10.45000	.00000	-.07000	.02000	1.86000	.03000	5.01400	2333.00000
.399	3.590	-.02000	-.04000	-10.44000	.00000	-.06000	.02000	3.79000	.03000	4.99800	2333.00000
.399	5.610	-.03000	-.05000	-10.45000	.00000	-.08000	.02000	5.83000	.02000	5.00200	2335.00000
.399	7.640	-.03000	-.05000	-10.43000	.00000	-.08000	.02000	7.83000	.02000	4.99500	2336.00000
.399	9.640	-.03000	-.06000	-10.45000	.00000	-.09000	.02000	9.82000	.03000	4.98600	2336.00000
.399	10.660	-.04000	-.06000	-10.45000	.00000	-.10000	.01000	10.84000	.03000	4.98000	2337.00000
.399	11.690	-.05000	-.05000	-10.45000	.00000	-.11000	.00000	11.86000	.03000	4.98700	2338.00000
.399	12.670	-.06000	-.04000	-10.43000	.00000	-.10000	-.03000	12.85000	.03000	4.98300	2339.00000
.399	13.640	-.07000	-.04000	-10.45000	.00000	-.12000	-.03000	13.81000	.03000	4.99300	2340.00000
.399	14.680	-.06000	-.04000	-10.43000	.00000	-.10000	-.03000	14.90000	.02000	4.98100	2340.00000
.399	15.670	-.09000	-.02000	-10.45000	.00000	-.11000	-.07000	15.89000	.02000	4.98300	2341.00000
.399	19.640	-.24000	.14000	-10.44000	.00000	-.10000	-.38000	19.86000	.03000	4.97500	2342.00000
	GRADIENT	.00150	.00000	.00150	.00000	.00099	.00150	1.00002	.00000	-.00144	.20085

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E127) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.189	RDA =	.067
RDBF =	-10.441	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 127/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-2.420	-.19000	.06000	-10.45000	.00000	-.13000	-.25000	-2.22000	.08000	4.97800	2344.00000
.398	-.410	-.19000	.07000	-10.44000	.00000	-.12000	-.25000	-.18000	.08000	4.96700	2345.00000
.398	1.630	-.18000	.08000	-10.43000	.00000	-.10000	-.26000	1.86000	.08000	4.96200	2345.00000
.398	3.640	-.18000	.08000	-10.43000	.00000	-.10000	-.26000	3.81000	.08000	4.96500	2346.00000
.398	5.650	-.18000	.07000	-10.45000	.00000	-.11000	-.25000	5.78000	.08000	4.96400	2346.00000
.398	7.750	-.18000	.06000	-10.45000	.00000	-.12000	-.24000	7.83000	.08000	4.95500	2347.00000
.398	9.800	-.19000	.07000	-10.43000	.00000	-.12000	-.25000	9.86000	.07000	4.95600	2347.00000
.398	10.810	-.18000	.06000	-10.44000	.00000	-.12000	-.24000	10.88000	.07000	4.95700	2348.00000
.398	11.790	-.18000	.06000	-10.43000	.00000	-.12000	-.25000	11.86000	.07000	4.95900	2348.00000
.398	12.770	-.18000	.06000	-10.44000	.00000	-.12000	-.25000	12.85000	.07000	4.95100	2349.00000
.398	13.770	-.19000	.06000	-10.45000	.00000	-.13000	-.25000	13.90000	.07000	4.94700	2349.00000
.398	14.770	-.19000	.06000	-10.44000	.00000	-.13000	-.24000	14.87000	.07000	4.94400	2350.00000
.398	15.760	-.19000	.06000	-10.44000	.00000	-.13000	-.25000	15.91000	.07000	4.93000	2350.00000
.398	19.690	-.23000	.11000	-10.44000	.00000	-.12000	-.34000	19.84000	.07000	4.95800	2351.00000
	GRADIENT	.00198	.00346	.00346	.00000	.00644	-.00198	.99555	.00000	-.00218	.29645

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E128) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.212	RDA =	.050
RDBF =	-10.441	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 128/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-6.030	-.21000	.05000	-10.44000	.00000	-.17000	-.26000	4.80000	-.03000	4.95900	2355.00000
.398	-4.040	-.22000	.05000	-10.44000	.00000	-.17000	-.27000	4.80000	.00000	4.95700	2355.00000
.398	-3.030	-.22000	.05000	-10.43000	.00000	-.17000	-.26000	-10.09000	.01000	4.96800	2356.00000
.398	-2.040	-.22000	.05000	-10.44000	.00000	-.17000	-.27000	4.80000	.02000	4.95900	2356.00000
.398	-1.030	-.22000	.04000	-10.45000	.00000	-.18000	-.26000	4.79000	.03000	4.95300	2356.00000
.398	-.010	-.22000	.04000	-10.45000	.00000	-.18000	-.27000	4.79000	.05000	4.96000	2357.00000
.398	1.090	-.22000	.04000	-10.44000	.00000	-.17000	-.26000	4.79000	.06000	4.96200	2357.00000
.398	2.120	-.21000	.05000	-10.44000	.00000	-.16000	-.26000	-10.10000	.08000	4.95900	2358.00000
.398	3.150	-.21000	.05000	-10.44000	.00000	-.16000	-.26000	4.79000	.09000	4.95700	2358.00000
.398	4.160	-.20000	.05000	-10.44000	.00000	-.15000	-.26000	-10.10000	.10000	4.95200	2358.00000
.398	6.200	-.20000	.07000	-10.43000	.00000	-.14000	-.27000	4.79000	.13000	4.95900	2359.00000
.398	8.230	-.20000	.06000	-10.45000	.00000	-.14000	-.26000	4.79000	1.11000	4.95100	2359.00000
	GRADIENT	.00211	.00001	-.00031	.00000	.00229	.00098	-.73323	.01279	-.00071	.37240

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E129) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.065	RDA =	.064
RDBF =	-10.417	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 129/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-2.410	-.11000	-.04000	-10.43000	.00000	-.15000	-.07000	-2.23000	-4.50000	4.99400	10.00000
.599	-.370	-.09000	-.02000	-10.43000	.00000	-.12000	-.07000	-.15000	-4.51000	4.99400	10.00000
.599	1.620	-.03000	.05000	-10.41000	.00000	.02000	-.08000	1.81000	-4.51000	4.99400	11.00000
.599	3.640	-.02000	.05000	-10.41000	.00000	.03000	-.08000	3.81000	-4.52000	4.98700	11.00000
.599	5.640	-.02000	.07000	-10.40000	.00000	.04000	-.09000	5.80000	-4.52000	4.99400	12.00000
.599	7.650	-.03000	.05000	-10.41000	.00000	.03000	-.08000	7.82000	-4.52000	4.99000	12.00000
.599	9.710	-.03000	.05000	-10.42000	.00000	.02000	-.08000	9.87000	-4.51000	4.98400	13.00000
.599	10.680	-.03000	.06000	-10.42000	.00000	.02000	-.09000	10.86000	-4.51000	4.99100	14.00000
.599	11.710	-.04000	.08000	-10.41000	.00000	.03000	-.12000	11.86000	-4.50000	4.98800	14.00000
.599	12.680	-.06000	.09000	-10.41000	.00000	.03000	-.15000	12.85000	-4.50000	4.98900	15.00000
.599	13.700	-.11000	.13000	-10.42000	.00000	.02000	-.23000	13.88000	-4.49000	4.98600	16.00000
.599	14.720	-.15000	.16000	-10.42000	.00000	.02000	-.31000	14.89000	-4.48000	4.98200	16.00000
.599	15.700	-.04000	.03000	-10.42000	.00000	.00000	-.07000	15.87000	-4.48000	4.98600	18.00000
.599	19.610	-.24000	.22000	-10.42000	.00000	-.02000	-.46000	19.80000	-4.44000	4.98000	19.00000
	GRADIENT	.01637	.01686	.00396	.00000	.03372	-.00198	.99705	-.00298	-.00104	.19821

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E130) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.009
RDBF =	-10.410	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 130/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-2.360	.01000	-.02000	-10.41000	.00000	.00000	.03000	-2.23000	-4.46000	4.98700	22.00000
.599	-.380	.02000	.00000	-10.41000	.00000	.01000	.02000	-.21000	-4.47000	4.98500	22.00000
.599	1.670	.02000	-.01000	-10.41000	.00000	.01000	.03000	1.83000	-4.47000	4.98000	22.00000
.599	3.690	.02000	-.01000	-10.41000	.00000	.01000	.03000	3.80000	-4.48000	4.98400	23.00000
.599	5.750	.02000	.00000	-10.41000	.00000	.02000	.02000	5.82000	-4.48000	4.99000	23.00000
.599	7.860	.02000	.00000	-10.40000	.00000	.02000	.01000	7.86000	-4.48000	4.98100	24.00000
.599	9.870	.02000	.00000	-10.40000	.00000	.02000	.02000	9.85000	-4.47000	4.98400	24.00000
.599	10.860	.02000	-.01000	-10.41000	.00000	.06000	.03000	10.84000	-4.47000	4.97600	25.00000
.599	11.850	.02000	-.01000	-10.42000	.00000	.00000	.03000	11.84000	-4.47000	4.98400	25.00000
.599	12.830	.01000	-.01000	-10.40000	.00000	.01000	.02000	12.84000	-4.46000	4.98700	26.00000
.599	13.790	.01000	-.01000	-10.42000	.00000	.00000	.03000	13.86000	-4.45000	4.98400	26.00000
.599	14.740	.00000	-.01000	-10.41000	.00000	-.01000	.00000	14.84000	-4.45000	4.98100	27.00000
.599	15.800	-.03000	.03000	-10.41000	.00000	.00000	-.06000	15.88000	-4.44000	4.97800	27.00000
.599	19.700	-.26000	.21000	-10.42000	.00000	-.06000	-.47000	19.84000	-4.40000	4.98500	28.00000
	GRADIENT	.00148	.00097	-.00000	.00000	.00148	.00051	.99649	-.00297	-.00069	.14875

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E131) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.053
RDBF =	-10.415	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 131/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-6.070	-.01000	-.06000	-10.43000	.00000	-.07000	.05000	4.80000	-4.63000	4.99200	32.00000
.599	-4.060	-.02000	-.06000	-10.41000	.00000	-.08000	.04000	4.79000	-4.60000	4.99200	32.00000
.599	-3.050	-.02000	-.07000	-10.43000	.00000	-.08000	.05000	4.79000	-4.58000	4.98500	32.00000
.599	-2.040	-.02000	-.07000	-10.42000	.00000	-.08000	.05000	4.79000	-4.56000	4.98800	33.00000
.599	-1.030	-.02000	-.06000	-10.41000	.00000	-.08000	.04000	4.79000	-4.54000	4.99100	33.00000
.599	.010	-.03000	-.06000	-10.40000	.00000	-.08000	.03000	4.78000	-4.52000	4.98500	33.00000
.599	1.090	-.03000	-.05000	-10.40000	.00000	-.07000	.02000	4.78000	-4.50000	4.99000	34.00000
.599	2.120	-.02000	-.06000	-10.42000	.00000	-.08000	.04000	4.78000	-4.48000	4.99000	34.00000
.599	3.160	-.02000	-.04000	-10.40000	.00000	-.05000	.02000	4.78000	-4.46000	4.98600	34.00000
.599	4.160	-.01000	-.05000	-10.42000	.00000	-.05000	.04000	4.78000	-4.44000	4.98600	35.00000
.599	6.220	.00000	-.03000	-10.42000	.00000	-.04000	.03000	4.78000	-4.40000	4.98200	35.00000
.599	8.260	.00000	-.03000	-10.42000	.00000	-.02000	.03000	4.79000	-4.35000	4.98200	35.00000
	GRADIENT	.00048	.00259	.00097	.00000	.00356	-.00211	-.00162	.01937	-.00029	.33892

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E133) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.036
RDBF =	-5.994	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 133/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.070	-.01000	-.04000	-6.01000	.00000	-.05000	.03000	4.80000	-4.63000	4.98800	43.00000
.598	-4.060	-.01000	-.05000	-6.01000	.00000	-.06000	.03000	4.79000	-4.60000	4.98400	43.00000
.598	-3.050	-.01000	-.05000	-6.00000	.00000	-.06000	.04000	4.79000	-4.58000	4.98400	43.00000
.598	-2.040	-.01000	-.04000	-5.99000	.00000	-.05000	.02000	4.79000	-4.56000	4.98600	44.00000
.598	-1.030	.00000	-.03000	-5.99000	.00000	-.03000	.03000	4.79000	-4.54000	4.98500	44.00000
.598	.000	.00000	-.04000	-5.99000	.00000	-.04000	.04000	4.78000	-4.52000	4.98600	44.00000
.598	1.100	.00000	-.04000	-5.99000	.00000	-.04000	.04000	4.78000	-4.50000	4.99700	45.00000
.598	2.140	.01000	-.03000	-5.99000	.00000	-.03000	.04000	4.78000	-4.48000	5.00500	45.00000
.598	3.140	.01000	-.03000	-5.98000	.00000	-.03000	.04000	4.78000	-4.46000	5.00200	46.00000
.598	4.160	.01000	-.03000	-5.99000	.00000	-.03000	.04000	4.78000	-4.44000	5.00100	46.00000
.598	6.230	.01000	-.03000	-5.99000	.00000	-.02000	.03000	4.78000	-4.40000	5.00900	46.00000
.598	8.260	.02000	-.02000	-6.00000	.00000	.00000	.03000	4.79000	-4.35000	5.00800	47.00000
	GRADIENT	.00291	.00241	.00225	.00000	.00386	.00146	-.00162	.01937	.00279	.38765

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E134) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.002	RDA =	-.027
RDBF =	-3.956	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 134/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-6.070	-.01000	-.02000	-3.96000	.00000	-.03000	.01000	4.80000	-4.63000	5.00600	49.00000
.599	-4.060	-.02000	-.04000	-3.95000	.00000	-.05000	.02000	4.80000	-4.59000	5.00500	49.00000
.599	-3.050	-.01000	-.03000	-3.95000	.00000	-.04000	.01000	4.79000	-4.57000	5.00500	49.00000
.599	-2.050	-.01000	-.03000	-3.95000	.00000	-.04000	.02000	4.79000	-4.56000	4.99900	50.00000
.599	-1.040	-.01000	-.04000	-3.97000	.00000	-.04000	.03000	4.79000	-4.54000	4.99900	50.00000
.599	.000	.00000	-.02000	-3.95000	.00000	-.03000	.02000	4.78000	-4.52000	4.99600	51.00000
.599	1.080	-.01000	-.04000	-3.96000	.00000	-.04000	.03000	4.78000	-4.50000	5.00000	51.00000
.599	2.140	.00000	-.03000	-3.95000	.00000	-.03000	.03000	4.78000	-4.48000	4.99900	51.00000
.599	3.160	.00000	-.02000	-3.96000	.00000	-.02000	.02000	4.78000	-4.46000	4.99900	52.00000
.599	4.180	.01000	-.03000	-3.96000	.00000	-.02000	.04000	4.78000	-4.44000	4.99700	52.00000
.599	6.230	.01000	-.02000	-3.95000	.00000	-.01000	.03000	4.79000	-4.40000	4.99700	52.00000
.599	8.270	.02000	-.01000	-3.96000	.00000	.01000	.03000	4.78000	-4.35000	4.98900	53.00000
	GRADIENT	.00273	.00112	-.00096	.00000	.00322	.00209	-.00225	.01821	-.00078	.38609

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E135) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	-.031
RDBF =	-1.846	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 135/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.060	-.01000	-.04000	-1.87000	.00000	-.05000	.03000	4.80000	-4.63000	4.99700	55.00000
.598	-4.060	-.02000	-.03000	-1.85000	.00000	-.05000	.02000	4.80000	-4.59000	4.99600	56.00000
.598	-3.050	-.01000	-.04000	-1.85000	.00000	-.05000	.03000	4.80000	-4.57000	4.99400	56.00000
.598	-2.050	-.01000	-.05000	-1.85000	.00000	-.06000	.04000	4.79000	-4.56000	4.99500	56.00000
.598	-1.040	.00000	-.04000	-1.85000	.00000	-.04000	.04000	4.79000	-4.54000	4.99500	57.00000
.598	.000	-.01000	-.04000	-1.84000	.00000	-.04000	.03000	4.79000	-4.52000	4.99100	58.00000
.598	1.100	.00000	-.02000	-1.83000	.00000	-.03000	.02000	4.79000	-4.50000	4.99600	59.00000
.598	2.140	.00000	-.03000	-1.84000	.00000	-.03000	.03000	4.79000	-4.48000	4.99200	59.00000
.598	3.140	.00000	-.03000	-1.84000	.00000	-.03000	.02000	4.79000	-4.46000	4.99200	59.00000
.598	4.150	.00000	-.01000	-1.83000	.00000	-.01000	.01000	4.79000	-4.45000	4.99000	100.00000
.598	6.220	.01000	-.02000	-1.85000	.00000	-.02000	.03000	4.79000	-4.40000	4.98700	100.00000
.598	8.260	.01000	-.02000	-1.85000	.00000	-.01000	.03000	4.80000	-4.36000	4.98900	100.00000
	GRADIENT	.00210	.00276	.00243	.00000	.00469	-.00179	-.00112	.01761	-.00056	3.10726

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E136) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	-.029
RDBF =	.171	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 136/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.060	-.02000	-.03000	.13000	.00000	-.05000	.01000	4.81000	-4.63000	4.99100	103.00000
.598	-4.060	-.02000	-.03000	.16000	.00000	-.05000	.01000	4.81000	-4.59000	4.99000	104.00000
.598	-3.050	-.02000	-.05000	.15000	.00000	-.06000	.03000	4.81000	-4.57000	4.99200	104.00000
.598	-2.050	-.01000	-.03000	.18000	.00000	-.05000	.02000	4.80000	-4.56000	4.97800	104.00000
.598	-1.040	.00000	-.04000	.18000	.00000	-.05000	.04000	4.80000	-4.54000	4.98700	105.00000
.598	.000	-.01000	-.04000	.19000	.00000	-.05000	.03000	4.79000	-4.52000	4.99300	105.00000
.598	1.090	-.01000	-.03000	.19000	.00000	-.04000	.03000	4.80000	-4.50000	4.98500	105.00000
.598	2.140	.00000	-.02000	.18000	.00000	-.02000	.02000	4.80000	-4.48000	4.98800	106.00000
.598	3.150	.00000	-.03000	.18000	.00000	-.03000	.03000	4.80000	-4.46000	4.98800	106.00000
.598	4.170	.01000	-.02000	.18000	.00000	-.01000	.03000	4.79000	-4.44000	4.98000	107.00000
.598	6.230	.01000	-.02000	.18000	.00000	-.01000	.03000	4.80000	-4.41000	4.98800	107.00000
.598	8.270	.02000	-.01000	.15000	.00000	.01000	.02000	4.80000	-4.36000	4.98700	107.00000
	GRADIENT	.00305	.00211	.00288	.00000	.00517	.00111	-.00176	.01822	-.00055	.35473

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E137) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN, XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN, YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN, ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.023
RDBF =	8.073	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 137/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.060	.00000	-.03000	8.06000	.00000	-.02000	.03000	4.82000	-4.62000	4.98400	109.00000
.598	-4.050	.00000	-.03000	8.06000	.00000	-.03000	.03000	4.82000	-4.59000	4.98700	109.00000
.598	-3.050	.00000	-.03000	8.06000	.00000	-.03000	.04000	4.81000	-4.57000	4.98800	109.00000
.598	-2.050	.00000	-.04000	8.07000	.00000	-.04000	.04000	4.81000	-4.56000	4.98000	110.00000
.598	-1.030	.00000	-.02000	8.08000	.00000	-.02000	.03000	4.81000	-4.54000	4.98400	110.00000
.598	.000	.00000	-.04000	8.07000	.00000	-.04000	.03000	4.80000	-4.52000	4.98700	110.00000
.598	1.080	.00000	-.02000	8.09000	.00000	-.02000	.02000	4.80000	-4.50000	4.98300	111.00000
.598	2.140	.00000	-.02000	8.09000	.00000	-.02000	.01000	4.81000	-4.48000	4.98400	114.00000
.598	3.150	.00000	-.02000	8.07000	.00000	-.02000	.02000	4.81000	-4.47000	4.98300	115.00000
.598	4.170	.00000	-.02000	8.07000	.00000	-.02000	.02000	4.80000	-4.45000	4.98200	115.00000
.598	6.220	.01000	-.01000	8.08000	.00000	.00000	.02000	4.80000	-4.41000	4.98100	115.00000
.598	8.260	.01000	.00000	8.08000	.00000	.01000	.02000	4.81000	-4.37000	4.98700	116.00000
	GRADIENT	.00000	.00179	.00194	.00000	.00179	-.00276	-.00144	.01711	-.00045	.82517

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E138) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	-.032
RDBF =	16.377	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.060	-.01000	-.02000	16.38000	.00000	-.03000	.02000	4.83000	-4.62000	4.98300	117.00000
.598	-4.060	-.01000	-.02000	16.38000	.00000	-.03000	.02000	4.82000	-4.59000	4.98500	117.00000
.598	-3.050	-.01000	-.04000	16.38000	.00000	-.05000	.03000	4.82000	-4.57000	4.97900	118.00000
.598	-2.050	-.01000	-.05000	16.37000	.00000	-.06000	.03000	4.82000	-4.56000	4.98500	118.00000
.598	-1.040	-.01000	-.05000	16.38000	.00000	-.06000	.03000	4.82000	-4.54000	4.98300	119.00000
.598	.000	-.02000	-.04000	16.38000	.00000	-.06000	.02000	4.81000	-4.52000	4.98300	119.00000
.598	1.100	-.01000	-.03000	16.38000	.00000	-.05000	.02000	4.81000	-4.50000	4.98000	119.00000
.598	2.140	-.01000	-.04000	16.37000	.00000	-.05000	.03000	4.81000	-4.48000	4.97900	120.00000
.598	3.150	-.01000	-.04000	16.38000	.00000	-.05000	.03000	4.82000	-4.46000	4.98800	120.00000
.598	4.170	.00000	-.03000	16.38000	.00000	-.03000	.02000	4.81000	-4.44000	4.98000	121.00000
.598	6.220	.00000	-.02000	16.37000	.00000	-.02000	.03000	4.82000	-4.41000	4.98400	121.00000
.598	8.260	.01000	-.01000	16.38000	.00000	.00000	.03000	4.82000	-4.36000	4.99800	121.00000
	GRADIENT	.00065	.00002	-.00000	.00000	.00051	-.00016	-.00113	.01822	-.00013	.41851

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E139) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.047
RDBF =	21.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 139/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.060	-.03000	-.05000	21.11000	.00000	-.08000	.02000	4.83000	-4.63000	4.99500	123.00000
.598	-4.060	-.03000	-.06000	21.11000	.00000	-.09000	.03000	4.83000	-4.59000	4.99300	123.00000
.598	-3.050	-.03000	-.06000	21.12000	.00000	-.10000	.03000	4.83000	-4.57000	4.99800	124.00000
.598	-2.040	-.04000	-.05000	21.13000	.00000	-.09000	.02000	4.83000	-4.56000	4.99100	124.00000
.598	-1.030	-.03000	-.06000	21.11000	.00000	-.09000	.03000	4.82000	-4.54000	4.99400	124.00000
.598	.000	-.04000	-.05000	21.12000	.00000	-.09000	.01000	4.81000	-4.52000	4.98900	125.00000
.598	1.050	-.04000	-.06000	21.11000	.00000	-.10000	.03000	4.82000	-4.50000	4.99900	125.00000
.598	2.140	-.04000	-.04000	21.12000	.00000	-.08000	.00000	4.78000	-4.48000	4.99600	125.00000
.598	3.140	-.03000	-.04000	21.12000	.00000	-.08000	.01000	4.77000	-4.46000	5.00200	126.00000
.598	4.160	-.03000	-.03000	21.12000	.00000	-.06000	.00000	4.77000	-4.44000	4.98800	126.00000
.598	6.220	-.02000	-.03000	21.12000	.00000	-.06000	.01000	4.77000	-4.41000	4.99800	127.00000
.598	8.260	-.02000	-.03000	21.11000	.00000	-.05000	.02000	4.77000	-4.36000	4.99500	127.00000
	GRADIENT	-.00016	.00324	.00032	.00000	.00308	-.00357	-.00843	.01826	.00012	.33900

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E140) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 140/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-10.400	.05000	-.03000	-.05000	.00000	-.08000	.03000	9.79000	-4.51000	4.99700	129.00000
.599	-5.100	.05000	-.01000	-.03000	.00000	-.04000	.02000	9.84000	-4.51000	4.99500	130.00000
.599	-4.000	.05000	-.01000	-.04000	.00000	-.04000	.03000	9.84000	-4.51000	4.99000	131.00000
.599	-2.140	.05000	.00000	-.02000	.00000	-.02000	.03000	9.84000	-4.51000	4.99000	131.00000
.599	.280	.05000	.00000	-.03000	.00000	-.03000	.04000	9.85000	-4.51000	4.98800	132.00000
.599	8.120	.05000	.00000	-.03000	.00000	-.03000	.03000	9.86000	-4.51000	4.98800	133.00000
.599	16.360	.05000	.00000	-.03000	.00000	-.03000	.04000	9.86000	-4.51000	4.99000	134.00000
.599	21.200	.05000	-.02000	-.04000	.00000	-.05000	.02000	9.87000	-4.51000	4.98600	134.00000
	GRADIENT	.00000	.00222	.00202	.00000	.00202	.00242	.00242	-.00000	-.00048	.24245

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E141) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.027
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 141/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-10.680	2.07000	-.03000	-.07000	.00000	-.10000	.03000	9.84000	-4.48000	4.98400	135.00000
.598	-6.110	2.07000	-.01000	-.04000	.00000	-.05000	.03000	9.84000	-4.48000	4.99300	136.00000
.598	-3.930	2.07000	-.01000	-.02000	.00000	-.03000	.01000	9.85000	-4.48000	4.98700	136.00000
.598	-1.920	2.07000	.00000	-.02000	.00000	-.02000	.01000	9.85000	-4.48000	4.98700	137.00000
.598	.280	2.07000	.00000	-.01000	.00000	-.01000	.01000	9.85000	-4.48000	4.98000	138.00000
.598	8.010	2.07000	.00000	-.01000	.00000	-.02000	.01000	9.86000	-4.48000	4.97200	139.00000
.598	16.390	2.07000	.00000	-.02000	.00000	-.02000	.02000	9.87000	-4.48000	4.98700	140.00000
.598	21.270	2.07000	-.02000	-.03000	.00000	-.05000	.02000	9.87000	-4.48000	4.98600	140.00000
	GRADIENT	.00000	.00234	.00241	.00000	.00475	.00000	.00000	.00000	-.00169	.47474

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E142) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.035
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 142/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-10.390	.06000	-.04000	-.05000	.00000	-.09000	.01000	11.83000	-4.50000	4.98100	142.00000
.598	-6.180	.06000	-.02000	-.04000	.00000	-.06000	.02000	11.83000	-4.50000	4.98300	143.00000
.598	-3.980	.06000	-.01000	-.04000	.00000	-.05000	.04000	11.83000	-4.50000	4.98300	143.00000
.598	-2.060	.06000	.00000	-.03000	.00000	-.03000	.04000	11.84000	-4.50000	4.98600	144.00000
.598	.110	.06000	.00000	-.03000	.00000	-.03000	.03000	11.84000	-4.50000	4.98400	144.00000
.598	7.850	.06000	.00000	-.02000	.00000	-.02000	.02000	11.84000	-4.50000	4.98400	145.00000
.598	16.400	.06000	.01000	-.03000	.00000	-.03000	.04000	11.85000	-4.50000	4.98600	146.00000
.598	21.140	.06000	-.01000	-.04000	.00000	-.06000	.03000	11.86000	-4.50000	4.97900	147.00000
	GRADIENT	.00000	.00239	.00239	.00000	.00478	-.00249	.00239	.00000	.00022	.23922

ARC 213-I-11 LA89 OV 101 WITH T/C (S2E143) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	-.035
ALPHA =	12.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 143/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-10.490	2.09000	-.02000	-.06000	.00000	-.08000	.03000	11.82000	-4.47000	4.98000	147.00000
.598	-6.170	2.09000	-.01000	-.03000	.00000	-.04000	.03000	11.82000	-4.47000	4.98800	148.00000
.598	-3.960	2.09000	.00000	-.04000	.00000	-.05000	.04000	11.82000	-4.47000	4.97900	148.00000
.598	-1.920	2.09000	.01000	-.04000	.00000	-.03000	.04000	11.83000	-4.47000	4.98100	149.00000
.598	.170	2.09000	.01000	-.03000	.00000	-.02000	.03000	11.83000	-4.47000	4.98100	149.00000
.598	7.840	2.09000	.00000	-.03000	.00000	-.02000	.03000	11.83000	-4.47000	4.98100	150.00000
.598	16.400	2.09000	.00000	-.03000	.00000	-.02000	.03000	11.85000	-4.47000	4.98000	151.00000
.598	21.100	2.09000	-.01000	-.02000	.00000	-.02000	.01000	11.86000	-4.47000	4.98600	152.00000
	GRADIENT	.00000	.00241	.00243	.00000	.00725	-.00243	.00241	-.00000	.00048	.24114

ARC 213-I-11 LA89 OV 101 WITH T/C (S2E144) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.126	RDA =	.014
RDBF =	-10.359	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 144/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-2.290	-.10000	.01000	-10.38000	.00000	-.09000	-.11000	-2.20000	-4.50000	5.00000	203.00000
.699	-.270	-.09000	.02000	-10.37000	.00000	-.08000	-.11000	-.19000	-4.51000	5.01400	204.00000
.699	1.750	-.08000	.02000	-10.38000	.00000	-.06000	-.10000	1.83000	-4.52000	4.98500	205.00000
.699	3.780	-.08000	.03000	-10.36000	.00000	-.05000	-.11000	3.82000	-4.52000	4.98800	205.00000
.699	5.810	-.08000	.03000	-10.37000	.00000	-.05000	-.11000	5.82000	-4.52000	4.99500	206.00000
.699	7.790	-.09000	.03000	-10.38000	.00000	-.06000	-.11000	7.82000	-4.52000	4.99400	206.00000
.699	9.810	-.09000	.03000	-10.38000	.00000	-.06000	-.12000	9.83000	-4.51000	4.98700	207.00000
.699	10.820	-.12000	.04000	-10.36000	.00000	-.08000	-.16000	10.84000	-4.51000	4.99300	208.00000
.699	11.820	-.15000	.06000	-10.37000	.00000	-.09000	-.21000	11.85000	-4.50000	4.99800	208.00000
.699	12.820	-.18000	.01000	-10.37000	.00000	-.17000	-.19000	12.87000	-4.50000	4.98900	210.00000
.699	13.810	-.29000	.05000	-10.33000	.00000	-.24000	-.34000	13.87000	-4.49000	4.99400	211.00000
.699	14.800	-.39000	.00000	-10.34000	.00000	-.39000	-.39000	14.88000	-4.48000	4.99400	211.00000
.699	15.760	-.01000	-.16000	-10.32000	.00000	-.17000	.15000	15.85000	-4.48000	4.98100	212.00000
.699	19.700	-.01000	.02000	-10.32000	.00000	.00000	-.03000	19.82000	-4.43000	4.98500	213.00000
	GRADIENT	.00346	.00297	.00247	.00000	.00692	.00049	.99258	-.00346	-.00321	.34587

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E145) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.029
RDBF =	-10.289	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 145/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-2.290	.04000	-.02000	-10.28000	.00000	.03000	.06000	-2.19000	-4.45000	4.99100	215.00000
.699	-.280	.04000	-.01000	-10.29000	.00000	.04000	.05000	-.20000	-4.46000	4.99300	216.00000
.699	1.740	.05000	-.03000	-10.30000	.00000	.02000	.08000	1.80000	-4.47000	4.98800	217.00000
.699	3.730	-.16000	.19000	-10.30000	.00000	.03000	-.35000	3.81000	-4.47000	4.98400	217.00000
.699	5.760	-.06000	.08000	-10.28000	.00000	.03000	-.14000	5.81000	-4.48000	4.98200	218.00000
.699	7.720	.09000	-.06000	-10.28000	.00000	.03000	.15000	7.82000	-4.47000	4.98200	219.00000
.699	9.730	-.03000	.07000	-10.28000	.00000	.04000	-.10000	9.84000	-4.47000	4.98200	220.00000
.699	10.730	-.04000	.07000	-10.29000	.00000	.03000	-.11000	10.84000	-4.47000	4.98100	220.00000
.699	11.700	-.05000	.07000	-10.29000	.00000	.01000	-.12000	11.82000	-4.46000	4.97900	221.00000
.699	12.720	-.07000	.10000	-10.28000	.00000	.03000	-.17000	12.86000	-4.46000	4.98500	221.00000
.699	13.720	-.04000	-.05000	-10.30000	.00000	-.09000	.02000	13.87000	-4.45000	4.98000	222.00000
.699	14.710	-.06000	-.10000	-10.28000	.00000	-.17000	.04000	14.87000	-4.44000	4.98200	223.00000
.699	15.680	-.06000	.09000	-10.29000	.00000	.03000	-.15000	15.85000	-4.43000	4.97200	223.00000
.699	19.590	.03000	.00000	-10.30000	.00000	.03000	.03000	19.80000	-4.39000	4.97600	224.00000
	GRADIENT	-.02931	.03030	-.00349	.00000	-.00100	-.05961	.99600	-.00349	-.00129	.34895

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E146) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.006
RDBF =	-10.287	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 146/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-6.070	-.02000	.00000	-10.31000	.00000	-.02000	-.02000	-.15000	-4.64000	4.98100	227.00000
.699	-4.050	-.02000	.01000	-10.29000	.00000	-.01000	-.03000	-.16000	-4.60000	4.98000	227.00000
.699	-3.020	-.02000	.01000	-10.29000	.00000	-.01000	-.03000	-.16000	-4.58000	4.98300	228.00000
.699	-1.990	-.02000	.00000	-10.29000	.00000	-.02000	-.02000	-.16000	-4.55000	4.97900	228.00000
.699	-.960	-.02000	.00000	-10.28000	.00000	-.02000	-.02000	-.16000	-4.53000	4.98100	229.00000
.699	.070	-.02000	-.01000	-10.29000	.00000	-.02000	-.01000	-.16000	-4.51000	4.97700	229.00000
.699	1.110	-.02000	-.01000	-10.28000	.00000	-.02000	-.01000	-.16000	-4.49000	4.98000	230.00000
.699	2.140	-.02000	.01000	-10.28000	.00000	-.01000	-.03000	-.16000	-4.46000	4.97900	230.00000
.699	3.170	-.02000	.01000	-10.28000	.00000	-.01000	.03000	-.16000	-4.43000	4.97200	231.00000
.699	4.190	-.01000	.01000	-10.28000	.00000	-.01000	-.02000	-.16000	-4.41000	4.97300	231.00000
.699	6.230	-.01000	.02000	-10.29000	.00000	.01000	-.03000	-.16000	-4.37000	4.97500	232.00000
.699	8.270	-.01000	.02000	-10.28000	.00000	.00000	-.03000	-.16000	-4.32000	4.97500	232.00000
	GRADIENT	.00065	.00016	.00146	.00000	.00032	.00048	.00000	.02312	-.00100	.48502

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E147) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.020
RDBF =	-10.292	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 147/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-5.990	-.05000	.04000	-10.29000	.00000	-.02000	-.09000	9.87000	-4.63000	4.96900	236.00000
.699	-3.990	-.05000	.02000	-10.30000	.00000	-.03000	-.08000	9.87000	-4.59000	4.96800	236.00000
.699	-2.990	-.06000	.03000	-10.29000	.00000	-.03000	-.09000	9.87000	-4.57000	4.96500	237.00000
.699	-1.980	-.06000	.03000	-10.29000	.00000	-.02000	-.09000	9.87000	-4.55000	4.96400	237.00000
.699	-.970	-.05000	.02000	-10.29000	.00000	-.03000	-.08000	9.87000	-4.53000	4.96700	237.00000
.699	.030	-.06000	.01000	-10.30000	.00000	-.05000	-.07000	9.87000	-4.51000	4.96700	238.00000
.699	1.040	-.05000	.01000	-10.30000	.00000	-.04000	-.07000	9.87000	-4.49000	4.96200	238.00000
.699	2.070	-.06000	.00000	-10.29000	.00000	-.05000	-.06000	9.87000	-4.47000	4.96600	239.00000
.699	3.100	-.06000	.02000	-10.28000	.00000	-.04000	-.08000	9.87000	-4.45000	4.96100	239.00000
.699	4.140	-.06000	.02000	-10.28000	.00000	-.04000	-.08000	9.87000	-4.43000	4.96200	240.00000
.699	6.210	-.05000	.02000	-10.30000	.00000	-.03000	-.06000	9.87000	-4.38000	4.96700	240.00000
.699	8.260	-.04000	.02000	-10.30000	.00000	-.02000	-.06000	9.87000	-4.34000	4.95900	240.00000
	GRADIENT	-.00066	-.00163	.00165	.00000	-.00229	.00163	-.00000	.01970	-.00061	.44357

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E148) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.007
RDBF =	-10.677	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 148/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.700	-6.030	.01000	.00000	-10.67000	.00000	.01000	.00000	11.85000	-4.63000	4.98500	244.00000
.700	-4.020	.00000	.00000	-10.67000	.00000	-.01000	.00000	11.85000	-4.59000	4.97900	244.00000
.700	-3.010	.00000	.00000	-10.68000	.00000	.00000	.00000	11.85000	-4.56000	4.98300	245.00000
.700	-1.990	-.01000	.01000	-10.67000	.00000	.00000	-.02000	11.85000	-4.54000	4.97500	245.00000
.700	-.970	-.01000	.02000	-10.68000	.00000	.01000	-.03000	11.85000	-4.52000	4.97700	246.00000
.700	.050	-.01000	.00000	-10.69000	.00000	-.01000	-.01000	11.85000	-4.50000	4.97800	246.00000
.700	1.060	-.01000	.02000	-10.68000	.00000	.01000	-.03000	11.85000	-4.48000	4.97800	247.00000
.700	2.090	-.01000	.00000	-10.67000	.00000	-.01000	-.01000	11.85000	-4.46000	4.97900	247.00000
.700	3.110	-.01000	.00000	-10.69000	.00000	-.01000	.00000	11.85000	-4.44000	4.98000	247.00000
.700	4.150	.00000	.01000	-10.67000	.00000	.00000	-.01000	11.84000	-4.42000	4.97700	248.00000
.700	6.220	.00000	.02000	-10.67000	.00000	.02000	-.02000	11.84000	-4.37000	4.97300	248.00000
.700	8.280	.01000	.01000	-10.69000	.00000	.03000	.00000	11.84000	-4.32000	4.97700	249.00000
	GRADIENT	-.00049	.00032	-.00049	.00000	-.00017	-.00032	-.00066	.02025	-.00013	.44086

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E149) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.022	RDA =	.011
RDBF =	-10.687	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 149/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.700	-6.090	.08000	-.09000	-10.68000	.00000	-.01000	.17000	4.83000	-4.65000	4.98400	251.00000
.700	-4.070	.08000	-.10000	-10.70000	.00000	-.02000	.18000	4.83000	-4.61000	4.97300	251.00000
.700	-3.060	-.18000	.17000	-10.68000	.00000	-.01000	-.35000	4.83000	-4.58000	4.97900	251.00000
.700	-2.060	-.04000	.03000	-10.68000	.00000	-.01000	-.06000	4.83000	-4.56000	4.97800	252.00000
.700	-1.040	-.03000	.01000	-10.70000	.00000	-.02000	-.04000	4.82000	-4.54000	4.98000	252.00000
.700	.000	-.03000	.01000	-10.69000	.00000	-.02000	-.05000	4.83000	-4.52000	4.97800	253.00000
.700	1.100	-.03000	.00000	-10.69000	.00000	-.03000	-.03000	4.83000	-4.50000	4.97100	253.00000
.700	2.150	-.03000	.02000	-10.68000	.00000	-.01000	-.05000	4.83000	-4.47000	4.97200	254.00000
.700	3.170	-.03000	.02000	-10.68000	.00000	-.01000	.05000	4.83000	-4.45000	4.97300	254.00000
.700	4.200	-.03000	.02000	-10.68000	.00000	-.02000	-.05000	4.83000	-4.43000	4.97300	254.00000
.700	6.260	-.02000	.01000	-10.70000	.00000	-.01000	-.04000	4.83000	-4.38000	4.97000	255.00000
.700	8.310	-.01000	.03000	-10.68000	.00000	.01000	-.04000	4.83000	-4.33000	4.96500	255.00000
	GRADIENT	.00053	-.00004	.00145	.00000	-.00016	.00025	.00017	.02134	-.00064	.41709

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E150) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.013
RDBF =	-5.997	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 150/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-6.090	-.02000	.01000	-6.00000	.00000	-.01000	-.04000	4.86000	-4.65000	4.97100	257.00000
.699	-4.070	-.03000	.01000	-6.00000	.00000	-.02000	-.04000	4.85000	-4.61000	4.96500	258.00000
.699	-3.060	-.03000	.01000	-6.00000	.00000	-.02000	-.04000	4.85000	-4.58000	4.97600	258.00000
.699	-2.060	-.03000	.01000	-6.00000	.00000	-.03000	-.04000	4.85000	-4.56000	4.97300	258.00000
.699	-1.040	-.03000	.01000	-6.00000	.00000	-.02000	-.05000	4.84000	-4.54000	4.97600	259.00000
.699	.000	-.03000	.01000	-6.00000	.00000	-.03000	-.04000	4.84000	-4.52000	4.96900	259.00000
.699	1.100	-.03000	.01000	-6.00000	.00000	-.03000	-.04000	4.84000	-4.50000	4.97300	300.00000
.699	2.150	-.03000	.01000	-5.98000	.00000	-.02000	-.04000	4.84000	-4.47000	4.97000	300.00000
.699	3.170	-.03000	.02000	-5.99000	.00000	-.01000	.05000	4.84000	-4.45000	4.97100	301.00000
.699	4.200	-.03000	.01000	-5.99000	.00000	-.02000	-.04000	4.84000	-4.43000	4.97700	301.00000
.699	6.200	-.02000	.02000	-6.00000	.00000	.00000	-.03000	4.84000	-4.38000	4.97100	301.00000
.699	8.310	-.01000	.03000	-6.01000	.00000	.02000	-.04000	4.84000	-4.33000	4.97200	302.00000
	GRADIENT	-.00000	.00048	.00178	.00000	.00065	-.00032	-.00144	.02134	.00038	6.87043

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E151) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	.009
RDBF =	-3.902	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 151/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.700	-6.080	-.03000	.00000	-3.94000	.00000	-.03000	-.03000	4.86000	-4.65000	4.99800	304.00000
.700	-4.070	-.03000	.00000	-3.94000	.00000	-.03000	-.03000	4.86000	-4.60000	4.99900	305.00000
.700	-3.060	-.03000	.00000	-3.91000	.00000	-.03000	-.04000	4.86000	-4.58000	5.01300	305.00000
.700	-2.050	-.03000	.00000	-3.91000	.00000	-.03000	-.03000	4.85000	-4.56000	4.99700	305.00000
.700	-1.040	-.03000	.01000	-3.89000	.00000	-.03000	-.04000	4.85000	-4.54000	5.00300	306.00000
.700	.000	-.03000	.01000	-3.88000	.00000	-.02000	-.04000	4.84000	-4.52000	4.99800	306.00000
.700	1.100	-.03000	.00000	-3.90000	.00000	-.03000	-.03000	4.84000	-4.50000	4.99800	307.00000
.700	2.140	-.03000	.00000	-3.89000	.00000	-.02000	-.03000	4.85000	-4.47000	5.00400	307.00000
.700	3.160	-.03000	.00000	-3.89000	.00000	-.02000	-.03000	4.84000	-4.45000	4.99900	308.00000
.700	4.190	-.02000	.01000	-3.90000	.00000	-.01000	-.03000	4.84000	-4.43000	5.00100	308.00000
.700	6.260	-.01000	.03000	-3.88000	.00000	.02000	-.05000	4.84000	-4.38000	5.00100	309.00000
.700	8.310	-.01000	.05000	-3.89000	.00000	.04000	-.05000	4.84000	-4.33000	5.00000	309.00000
	GRADIENT	.00064	.00047	.00398	.00000	.00209	.00065	-.00240	.02074	-.00040	.41837

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E152) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.020
RDBF =	-2.130	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 152/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-6.080	-.02000	.03000	-2.12000	.00000	.00000	-.05000	4.86000	-4.64000	5.00000	312.00000
.699	-4.060	-.03000	.01000	-2.13000	.00000	-.01000	-.04000	4.86000	-4.60000	5.00300	312.00000
.699	-3.060	-.02000	.03000	-2.12000	.00000	.01000	-.05000	4.86000	-4.58000	5.00100	313.00000
.699	-2.060	-.02000	.01000	-2.13000	.00000	-.01000	-.04000	4.86000	-4.56000	5.00500	313.00000
.699	-1.040	-.02000	.01000	-2.13000	.00000	-.01000	-.03000	4.85000	-4.54000	5.00800	313.00000
.699	.000	-.02000	.01000	-2.13000	.00000	.00000	-.03000	4.84000	-4.52000	5.00500	314.00000
.699	1.100	-.01000	.01000	-2.13000	.00000	.00000	-.03000	4.85000	-4.49000	5.00700	314.00000
.699	2.150	-.01000	.02000	-2.13000	.00000	.01000	-.03000	4.85000	-4.47000	5.00800	315.00000
.699	3.160	-.01000	.03000	-2.12000	.00000	.02000	-.04000	4.84000	-4.45000	5.00400	315.00000
.699	4.190	.00000	.02000	-2.13000	.00000	.02000	-.03000	4.84000	-4.43000	5.00100	316.00000
.699	6.250	.00000	.02000	-2.15000	.00000	.02000	-.03000	4.83000	-4.39000	5.00300	316.00000
.699	8.310	.00000	.04000	-2.14000	.00000	.04000	-.05000	4.83000	-4.33000	5.01300	317.00000
	GRADIENT	.00289	.00097	.00000	.00000	.00323	.00144	-.00256	.02090	.00009	.43409

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E153) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.014	RDA =	.022
RDBF =	.196	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 153/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.701	-6.080	-.02000	.01000	.15000	.00000	-.01000	-.04000	4.82000	-4.64000	5.01100	319.00000
.701	-4.060	-.02000	.02000	.17000	.00000	.00000	-.04000	4.82000	-4.60000	5.00500	319.00000
.701	-3.060	-.02000	.03000	.19000	.00000	.01000	-.04000	4.82000	-4.58000	5.00100	320.00000
.701	-2.050	-.01000	.02000	.19000	.00000	.00000	-.03000	4.82000	-4.56000	5.00200	320.00000
.701	-1.040	-.02000	.02000	.20000	.00000	.00000	-.04000	4.81000	-4.54000	5.00500	320.00000
.701	.000	-.02000	.01000	.20000	.00000	.00000	-.03000	4.81000	-4.52000	5.00600	321.00000
.701	1.100	-.02000	.01000	.20000	.00000	.00000	-.03000	4.81000	-4.49000	5.00800	321.00000
.701	2.140	-.01000	.02000	.21000	.00000	.01000	-.03000	4.81000	-4.47000	5.00400	322.00000
.701	3.160	-.02000	.02000	.22000	.00000	.01000	-.04000	4.81000	-4.45000	4.99500	322.00000
.701	4.190	-.01000	.03000	.21000	.00000	.02000	-.04000	4.81000	-4.43000	5.00300	323.00000
.701	6.250	.00000	.04000	.21000	.00000	.04000	-.05000	4.81000	-4.39000	4.99700	323.00000
.701	8.290	.00000	.03000	.20000	.00000	.03000	-.04000	4.81000	-4.33000	5.00800	323.00000
	GRADIENT	.00064	.00000	.00465	.00000	.00162	.00016	-.00144	.02091	-.00031	.43435

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E154) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	.004
RDBF =	8.007	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 154/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-6.080	-.03000	.01000	8.01000	.00000	-.02000	-.04000	4.83000	-4.64000	4.99200	325.00000
.698	-4.060	-.04000	.00000	8.00000	.00000	-.04000	-.03000	4.83000	-4.60000	5.00100	325.00000
.698	-3.060	-.03000	.00000	8.00000	.00000	-.03000	-.03000	4.83000	-4.58000	5.00100	326.00000
.698	-2.050	-.03000	.01000	8.02000	.00000	-.03000	-.04000	4.82000	-4.56000	5.00000	326.00000
.698	-1.040	-.03000	.00000	8.00000	.00000	-.03000	-.03000	4.82000	-4.54000	4.99300	326.00000
.698	.000	-.04000	.00000	8.00000	.00000	-.04000	-.03000	4.81000	-4.52000	5.00400	327.00000
.698	1.100	-.04000	.00000	8.02000	.00000	-.04000	-.05000	4.82000	-4.50000	5.00400	327.00000
.698	2.140	-.04000	-.01000	8.00000	.00000	-.05000	-.03000	4.82000	-4.48000	5.00100	328.00000
.698	3.160	-.04000	.01000	8.01000	.00000	-.03000	-.05000	4.81000	-4.46000	5.00100	328.00000
.698	4.180	-.03000	.00000	8.01000	.00000	-.03000	-.03000	4.82000	-4.44000	4.99700	329.00000
.698	6.240	-.02000	.02000	8.01000	.00000	-.01000	-.04000	4.81000	-4.39000	4.99800	329.00000
.698	8.270	-.02000	.01000	8.00000	.00000	-.01000	-.03000	4.82000	-4.34000	5.00400	329.00000
	GRADIENT	-.00033	-.00017	.00081	.00000	-.00017	-.00097	-.00160	.01931	-.00004	.43458

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E155) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.040	RDA =	.006
RDBF =	16.372	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 155/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-6.080	-.04000	.00000	16.37000	.00000	-.04000	-.05000	4.78000	-4.64000	4.99200	331.00000
.698	-4.070	-.04000	.01000	16.38000	.00000	-.03000	-.05000	4.77000	-4.60000	4.99800	331.00000
.698	-3.060	-.04000	.00000	16.37000	.00000	-.04000	-.03000	4.77000	-4.58000	5.00000	332.00000
.698	-2.050	-.04000	-.01000	16.36000	.00000	-.05000	-.04000	4.77000	-4.56000	4.99000	332.00000
.698	-1.040	-.05000	.01000	16.38000	.00000	-.04000	-.05000	4.76000	-4.54000	4.99800	333.00000
.698	.000	-.04000	.00000	16.37000	.00000	-.04000	-.04000	4.76000	-4.52000	4.99800	333.00000
.698	1.110	-.05000	.01000	16.37000	.00000	-.04000	-.05000	4.76000	-4.49000	4.99400	334.00000
.698	2.140	-.04000	.00000	16.37000	.00000	-.03000	-.04000	4.76000	-4.47000	4.99400	334.00000
.698	3.150	-.03000	.01000	16.37000	.00000	-.02000	-.04000	4.76000	-4.45000	4.99900	334.00000
.698	4.180	-.04000	.01000	16.38000	.00000	-.03000	-.05000	4.76000	-4.43000	4.99800	335.00000
.698	6.240	-.04000	.02000	16.38000	.00000	-.02000	-.06000	4.76000	-4.39000	4.99900	335.00000
.698	8.290	-.03000	.01000	16.37000	.00000	-.02000	-.04000	4.76000	-4.34000	4.99700	336.00000
	GRADIENT	.00048	.00081	.00016	.00000	.00162	-.00048	-.00144	.02092	.00001	.43428

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E156) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.045	RDA =	-.003
RDBF =	21.096	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 156/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.701	-6.080	-.06000	-.01000	21.13000	.00000	-.07000	-.05000	4.78000	-4.64000	5.00100	338.00000
.701	-4.070	-.06000	.00000	21.16000	.00000	-.06000	-.05000	4.78000	-4.60000	4.99300	338.00000
.701	-3.060	-.06000	-.01000	21.14000	.00000	-.07000	-.04000	4.77000	-4.58000	4.99200	339.00000
.701	-2.050	-.03000	.00000	21.14000	.00000	-.03000	-.04000	4.77000	-4.56000	4.99200	339.00000
.701	-1.040	-.04000	.00000	21.14000	.00000	-.04000	-.05000	4.77000	-4.54000	4.99500	339.00000
.701	.000	-.05000	-.02000	21.14000	.00000	-.07000	-.03000	4.76000	-4.52000	4.99100	340.00000
.701	1.090	-.04000	.01000	21.15000	.00000	-.03000	-.05000	4.77000	-4.49000	4.99400	340.00000
.701	2.140	-.04000	.00000	21.15000	.00000	-.04000	-.04000	4.77000	-4.47000	4.99700	341.00000
.701	3.160	-.05000	-.01000	21.13000	.00000	-.06000	.03000	4.76000	-4.45000	4.99500	341.00000
.701	4.190	-.05000	-.02000	20.95000	.00000	-.07000	-.03000	4.76000	-4.43000	4.99300	342.00000
.701	6.240	-.04000	-.01000	20.95000	.00000	-.05000	-.04000	4.76000	-4.39000	4.98900	342.00000
.701	8.290	-.02000	.03000	20.97000	.00000	.01000	-.05000	4.76000	-4.34000	4.98900	343.00000
	GRADIENT	.00079	-.00111	-.01349	.00000	-.00032	.00176	-.00176	.02090	.00029	.43421

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E157) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.034	RDA =	.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 157/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-10.340	.05000	-.06000	.00000	.00000	-.06000	-.06000	9.79000	-4.51000	5.01300	346.00000
.699	-6.030	.05000	-.04000	.04000	.00000	.01000	-.08000	9.80000	-4.51000	5.01700	346.00000
.699	-3.970	.05000	-.03000	.03000	.00000	-.01000	-.06000	9.80000	-4.51000	5.01800	347.00000
.699	-1.920	.05000	-.02000	.05000	.00000	.03000	-.07000	9.80000	-4.51000	5.01100	347.00000
.699	.190	.05000	-.02000	.04000	.00000	.01000	-.06000	9.82000	-4.51000	5.01700	349.00000
.699	7.980	.05000	-.02000	.05000	.00000	.02000	-.07000	9.83000	-4.51000	5.01500	349.00000
.699	16.410	.05000	-.05000	.02000	.00000	-.02000	-.07000	9.84000	-4.51000	5.01000	350.00000
.699	21.160	.05000	-.03000	.04000	.00000	.00000	-.07000	9.84000	-4.51000	5.00400	351.00000
	GRADIENT	-.00000	.00239	.00237	.00000	.00474	.00002	.00483	.00000	-.00023	.48305

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E158) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.031	RDA =	.021		
ALPHA =	10.000	BETA =	2.000		
ELEVON =	.000	SPDBRK =	.000		
RN/L =	5.000	GRIT =	1.000		

RUN NO. 158/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-10.480	2.08000	-.07000	-.01000	.00000	-.08000	-.06000	9.81000	-4.47000	5.00500	352.00000
.699	-6.020	2.08000	-.03000	.01000	.00000	-.02000	-.05000	9.82000	-4.47000	5.00500	352.00000
.699	-3.840	2.08000	-.03000	.03000	.00000	.00000	-.06000	9.82000	-4.47000	5.01000	353.00000
.699	-1.910	2.08000	-.03000	.02000	.00000	-.01000	-.05000	9.83000	-4.47000	5.01400	353.00000
.699	.180	2.08000	-.03000	.03000	.00000	.00000	-.05000	9.83000	-4.47000	5.00900	355.00000
.699	8.200	2.08000	-.02000	.04000	.00000	.02000	-.05000	9.84000	-4.47000	5.02000	356.00000
.699	16.460	2.08000	-.01000	.04000	.00000	.02000	-.05000	9.85000	-4.47000	5.01700	357.00000
.699	21.120	2.08000	-.03000	.01000	.00000	-.02000	-.04000	9.85000	-4.47000	5.01800	357.00000
	GRADIENT	.00000	.00000	.00007	.00000	.00007	.00245	.00245	-.00000	-.00028	.50385

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E159) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.042	RDA =	.065		
ALPHA =	12.000	BETA =	.000		
ELEVON =	.000	SPDBRK =	.000		
RN/L =	5.000	GRIT =	1.000		

RUN NO. 159/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.700	-10.530	.07000	-.05000	.04000	.00000	-.02000	-.09000	11.83000	-4.50000	5.01300	358.00000
.700	-6.030	.07000	-.04000	.06000	.00000	.02000	-.10000	11.84000	-4.50000	5.01000	359.00000
.700	-4.130	.06000	-.04000	.07000	.00000	.03000	-.11000	11.84000	-4.50000	5.01500	400.00000
.700	-2.200	.06000	-.04000	.06000	.00000	.02000	-.11000	11.84000	-4.50000	5.00700	401.00000
.700	.250	.06000	-.04000	.07000	.00000	.02000	-.11000	11.84000	-4.50000	5.01400	402.00000
.700	7.880	.06000	-.04000	.08000	.00000	.04000	-.11000	11.85000	-4.50000	5.01500	403.00000
.700	16.440	.07000	-.04000	.07000	.00000	.03000	-.11000	11.86000	-4.50000	5.00900	403.00000
.700	21.120	.07000	-.05000	.07000	.00000	.01000	-.12000	11.87000	-4.50000	5.02000	404.00000
	GRADIENT	.00000	.00000	.00018	.00000	-.00218	.00000	-.00000	.00000	-.00009	.45449

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E160) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.024 RDA = .057
ALPHA = 12.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 160/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-10.190	2.10000	-.04000	.02000	.00000	-.02000	-.06000	11.84000	-4.46000	5.01000	406.00000
.699	-5.960	2.10000	-.02000	.05000	.00000	.03000	-.08000	11.84000	-4.46000	5.01500	406.00000
.699	-4.170	2.10000	-.02000	.06000	.00000	.04000	-.08000	11.84000	-4.46000	5.01100	407.00000
.699	-2.210	2.10000	-.01000	.07000	.00000	.05000	-.08000	11.84000	-4.46000	5.00900	408.00000
.699	.170	2.10000	-.01000	.05000	.00000	.04000	-.07000	11.85000	-4.46000	5.01500	408.00000
.699	8.170	2.10000	-.02000	.08000	.00000	.07000	-.10000	11.86000	-4.46000	5.00900	409.00000
.699	16.080	2.10000	-.03000	.07000	.00000	.04000	-.10000	11.87000	-4.46000	5.01500	410.00000
.699	21.160	2.10000	-.04000	.06000	.00000	.02000	-.10000	11.87000	-4.46000	5.01800	411.00000
	GRADIENT	.00000	.00222	-.00252	.00000	-.00015	.00237	.00237	.00000	.00098	.22229

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E161) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.033 RDA = .069
RDBF = -10.470 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 161/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-2.370	-.01000	.04000	-10.48000	.00000	.02000	-.05000	-2.18000	-4.50000	4.99000	421.00000
.649	-.350	-.01000	.04000	-10.47000	.00000	.04000	-.05000	-.18000	-4.51000	4.98400	421.00000
.649	1.650	.00000	.04000	-10.48000	.00000	.04000	-.05000	1.82000	-4.51000	4.98700	422.00000
.649	3.640	.00000	.05000	-10.48000	.00000	.05000	-.05000	3.84000	-4.52000	4.98900	422.00000
.649	5.620	.00000	.05000	-10.48000	.00000	.05000	-.05000	5.83000	-4.52000	4.98700	423.00000
.649	7.650	.01000	.06000	-10.47000	.00000	.07000	-.05000	7.84000	-4.51000	4.98800	424.00000
.649	9.660	.00000	.06000	-10.47000	.00000	.05000	-.06000	9.84000	-4.51000	4.98800	424.00000
.649	10.670	-.01000	.07000	-10.46000	.00000	.07000	-.08000	10.83000	-4.51000	4.98900	425.00000
.649	11.700	-.01000	.06000	-10.47000	.00000	.05000	-.07000	11.86000	-4.50000	4.99200	425.00000
.649	12.680	-.02000	.08000	-10.46000	.00000	.05000	-.10000	12.87000	-4.50000	4.99000	426.00000
.649	13.700	-.04000	.09000	-10.47000	.00000	.05000	-.13000	13.86000	-4.49000	4.98700	426.00000
.649	14.690	-.08000	.10000	-10.46000	.00000	.02000	-.18000	14.87000	-4.48000	4.98500	427.00000
.649	15.700	-.19000	.18000	-10.45000	.00000	-.01000	-.37000	15.90000	-4.47000	4.98600	427.00000
.649	19.620	-.10000	.05000	-10.48000	.00000	-.05000	-.15000	19.83000	-4.44000	4.98500	428.00000
	GRADIENT	.00200	.00149	-.00049	.00000	.00450	-.00000	1.00148	-.00300	-.00000	.19965

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E162) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.056	RDA =	.064
RDBF =	-10.478	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 162/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.410	.00000	.03000	-10.48000	.00000	.02000	-.03000	-2.20000	-4.45000	4.99100	430.00000
.648	-.400	.01000	.04000	-10.47000	.00000	.05000	-.03000	-.19000	-4.46000	5.00000	431.00000
.648	1.620	.01000	.04000	-10.48000	.00000	.05000	-.03000	1.82000	-4.47000	5.00700	431.00000
.648	3.630	.00000	.04000	-10.49000	.00000	.04000	-.04000	3.81000	-4.47000	5.01600	432.00000
.648	5.670	-.01000	.05000	-10.48000	.00000	.05000	-.06000	5.82000	-4.47000	5.01900	432.00000
.648	7.740	-.01000	.07000	-10.48000	.00000	.06000	-.09000	7.84000	-4.47000	5.00000	433.00000
.648	9.760	-.03000	.08000	-10.47000	.00000	.05000	-.11000	9.83000	-4.47000	5.00800	434.00000
.648	10.770	-.03000	.07000	-10.48000	.00000	.05000	-.10000	10.84000	-4.47000	5.01700	434.00000
.648	11.790	-.04000	.08000	-10.47000	.00000	.04000	-.12000	11.85000	-4.46000	5.01400	435.00000
.648	12.780	-.06000	.08000	-10.48000	.00000	.03000	-.14000	12.87000	-4.46000	4.99500	435.00000
.648	13.790	-.10000	.10000	-10.47000	.00000	.01000	-.20000	13.86000	-4.45000	5.00600	436.00000
.648	14.780	-.20000	.15000	-10.47000	.00000	-.05000	-.36000	14.88000	-4.44000	4.99700	436.00000
.648	15.770	-.30000	.14000	-10.48000	.00000	-.16000	-.44000	15.89000	-4.44000	5.00600	437.00000
.648	19.670	-.02000	-.07000	-10.49000	.00000	-.09000	.05000	19.81000	-4.40000	4.99900	437.00000
	GRADIENT	-.00000	.00149	-.00199	.00000	.00298	-.00149	.99503	-.00348	.00407	.29782

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E163) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.011	RDA =	-.009
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 163/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.649	-6.070	-.03000	.00000	-10.47000	.00000	-.02000	-.03000	4.82000	-4.64000	5.00300	441.00000
.649	-4.060	-.02000	-.01000	-10.49000	.00000	-.03000	-.01000	4.82000	-4.60000	4.99800	441.00000
.649	-3.060	-.02000	.00000	-10.48000	.00000	-.02000	-.02000	4.81000	-4.58000	5.00000	441.00000
.649	-2.050	-.02000	-.02000	-10.48000	.00000	-.03000	.00000	4.81000	-4.56000	5.00500	442.00000
.649	-1.040	-.02000	-.01000	-10.48000	.00000	-.03000	-.01000	4.81000	-4.54000	5.00300	442.00000
.649	.000	-.01000	-.02000	-10.49000	.00000	-.03000	.00000	4.80000	-4.52000	5.00600	443.00000
.649	1.110	-.02000	-.01000	-10.48000	.00000	-.03000	.00000	4.80000	-4.50000	5.00700	443.00000
.649	2.150	-.01000	-.02000	-10.49000	.00000	-.02000	.01000	4.80000	-4.47000	5.00000	444.00000
.649	3.170	-.01000	.00000	-10.48000	.00000	-.01000	.01000	4.80000	-4.45000	5.00700	444.00000
.649	4.190	.00000	.00000	-10.48000	.00000	.00000	.00000	4.80000	-4.43000	4.99700	444.00000
.649	6.250	.01000	-.01000	-10.50000	.00000	.00000	.02000	4.81000	-4.39000	4.99400	445.00000
.649	8.290	.02000	-.01000	-10.50000	.00000	.00000	.03000	4.81000	-4.34000	5.00600	445.00000
	GRADIENT	.00209	.00055	.00032	.00000	.00274	.00161	-.00225	.02073	.00017	.41778

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E164) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.064
RDBF =	-10.502	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 164/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.497	-2.360	.02000	.01000	-10.51000	.00000	.03000	.01000	-2.18000	-4.49000	4.96000	455.00000
.497	-.370	.03000	.02000	-10.50000	.00000	.05000	.00000	-.19000	-4.51000	4.97000	457.00000
.497	1.650	.03000	.02000	-10.50000	.00000	.05000	.01000	1.83000	-4.51000	4.96800	457.00000
.497	3.600	.03000	.02000	-10.50000	.00000	.05000	.01000	3.81000	-4.52000	4.96600	458.00000
.497	5.630	.04000	.02000	-10.50000	.00000	.07000	.02000	5.85000	-4.52000	4.96600	458.00000
.497	7.640	.06000	.01000	-10.50000	.00000	.06000	.05000	7.86000	-4.52000	4.97200	458.00000
.497	9.680	.03000	.02000	-10.51000	.00000	.05000	.01000	9.89000	-4.51000	4.96500	459.00000
.497	10.690	.01000	.04000	-10.50000	.00000	.05000	-.02000	10.89000	-4.50000	4.96700	459.00000
.497	11.690	.01000	.04000	-10.52000	.00000	.05000	.03000	11.89000	-4.50000	4.96800	500.00000
.497	12.660	.00000	.05000	-10.49000	.00000	.05000	-.05000	12.86000	-4.50000	4.96700	500.00000
.497	13.710	.00000	.06000	-10.49000	.00000	.05000	-.06000	13.88000	-4.49000	4.96300	501.00000
.497	14.680	-.02000	.07000	-10.50000	.00000	.05000	-.09000	14.89000	-4.48000	4.96500	501.00000
.497	15.680	-.04000	.09000	-10.50000	.00000	.05000	-.14000	15.88000	-4.47000	4.96500	501.00000
.497	19.640	-.36000	.35000	-10.50000	.00000	-.01000	-.72000	19.82000	-4.43000	4.95100	502.00000
	GRADIENT	.00151	.00151	.00151	.00000	.00302	.00051	1.00450	-.00452	.00081	.45199

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E165) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 165/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.498	-2.410	-.02000	-.01000	-10.51000	.00000	-.03000	-.01000	-2.21000	-4.46000	4.96300	505.00000
.498	-.380	-.02000	-.01000	-10.50000	.00000	-.03000	-.01000	-.18000	-4.47000	4.96800	506.00000
.498	1.610	-.02000	.00000	-10.50000	.00000	-.02000	-.03000	1.82000	-4.48000	4.96100	506.00000
.498	3.630	-.02000	.00000	-10.51000	.00000	-.02000	-.02000	3.82000	-4.48000	4.95900	507.00000
.498	5.680	-.02000	.01000	-10.50000	.00000	-.02000	-.03000	5.82000	-4.48000	4.96000	507.00000
.498	7.720	-.03000	.02000	-10.51000	.00000	-.02000	-.05000	7.83000	-4.48000	4.97000	508.00000
.498	9.760	-.05000	.03000	-10.51000	.00000	-.02000	-.08000	9.85000	-4.48000	4.97600	508.00000
.498	10.770	-.05000	.04000	-10.51000	.00000	-.02000	-.09000	10.86000	-4.48000	4.98000	508.00000
.498	11.770	-.05000	.05000	-10.50000	.00000	.00000	-.10000	11.86000	-4.47000	4.98400	509.00000
.498	12.770	-.05000	.05000	-10.50000	.00000	.00000	-.10000	12.87000	-4.47000	4.98500	509.00000
.498	13.780	-.06000	.04000	-10.50000	.00000	-.02000	-.10000	13.86000	-4.46000	4.98900	510.00000
.498	14.760	-.07000	.06000	-10.51000	.00000	.00000	-.13000	14.88000	-4.45000	4.98300	510.00000
.498	15.730	-.08000	.09000	-10.48000	.00000	.01000	-.18000	15.85000	-4.44000	4.98100	511.00000
.498	19.740	.00000	-.01000	-10.50000	.00000	-.01000	.00000	19.92000	-4.40000	4.98200	512.00000
	GRADIENT	-.00000	.00199	.00000	.00000	.00199	-.00248	.99900	-.00348	-.00169	.29870

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E166) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.042
RDBF =	-10.511	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 166/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.497	-6.050	-.08000	.02000	-10.52000	.00000	-.07000	-.10000	4.83000	-4.62000	4.97700	516.00000
.497	-4.050	-.09000	.03000	-10.50000	.00000	-.06000	-.11000	4.82000	-4.58000	4.97900	516.00000
.497	-3.040	-.09000	.01000	-10.51000	.00000	-.08000	-.09000	4.82000	-4.57000	4.97400	517.00000
.497	-2.040	-.10000	.01000	-10.49000	.00000	-.08000	-.11000	4.82000	-4.55000	4.97400	517.00000
.497	-1.020	.01000	.13000	-10.50000	.00000	.14000	-.12000	4.82000	-4.54000	4.97300	517.00000
.497	.000	-.07000	.03000	-10.51000	.00000	-.04000	-.10000	4.81000	-4.52000	4.97900	519.00000
.497	1.110	-.06000	.04000	-10.51000	.00000	-.02000	-.10000	4.81000	-4.50000	4.97500	519.00000
.497	2.140	-.06000	.04000	-10.51000	.00000	-.02000	-.10000	4.81000	-4.48000	4.97400	520.00000
.497	3.160	-.06000	.04000	-10.52000	.00000	-.02000	-.10000	4.81000	-4.47000	4.97400	520.00000
.497	4.180	-.05000	.05000	-10.52000	.00000	-.01000	-.10000	4.81000	-4.45000	4.97500	521.00000
.497	6.230	-.05000	.06000	-10.51000	.00000	.01000	-.11000	4.81000	-4.42000	4.96900	521.00000
.497	8.260	-.04000	.05000	-10.53000	.00000	.00000	-.09000	4.82000	-4.38000	4.97800	521.00000
	GRADIENT	.00415	.00221	-.00259	.00000	.00540	.00082	-.00161	.01613	-.00023	.59685

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E167) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.047	RDA =	.019
RDBF =	-10.503	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 167/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.495	-2.400	-.04000	-.01000	-10.49000	.00000	-.05000	-.03000	-2.22000	-4.49000	6.49100	531.00000
.495	-.360	-.02000	-.01000	-10.51000	.00000	-.03000	-.01000	-.18000	-4.50000	6.50400	531.00000
.495	1.630	-.02000	.00000	-10.50000	.00000	-.02000	-.02000	1.81000	-4.51000	6.49500	532.00000
.495	3.620	-.01000	.00000	-10.50000	.00000	-.01000	-.01000	3.80000	-4.52000	6.49500	532.00000
.495	5.560	-.01000	.00000	-10.51000	.00000	-.01000	.00000	5.78000	-4.52000	6.49600	533.00000
.495	7.610	-.03000	.02000	-10.51000	.00000	-.01000	-.05000	7.82000	-4.51000	6.49900	533.00000
.495	9.690	-.04000	.03000	-10.50000	.00000	-.01000	-.07000	9.89000	-4.51000	6.49800	533.00000
.495	10.680	-.05000	.03000	-10.51000	.00000	-.02000	-.08000	10.87000	-4.51000	6.49800	534.00000
.495	11.680	-.06000	.03000	-10.49000	.00000	-.02000	-.09000	11.85000	-4.50000	6.50000	535.00000
.495	12.680	-.04000	.02000	-10.51000	.00000	-.02000	-.05000	12.87000	-4.50000	6.50800	536.00000
.495	13.730	-.05000	.03000	-10.50000	.00000	-.01000	-.08000	13.93000	-4.49000	6.50300	536.00000
.495	14.710	-.06000	.05000	-10.50000	.00000	-.01000	-.10000	14.88000	-4.49000	6.50000	537.00000
.495	15.660	-.08000	.06000	-10.51000	.00000	-.02000	-.13000	15.83000	-4.48000	6.49100	537.00000
.495	19.690	-.19000	.02000	-10.50000	.00000	-.17000	-.21000	19.88000	-4.43000	6.48700	538.00000
	GRADIENT	.00450	.00199	-.00101	.00000	.00649	.00251	1.00000	-.00499	.00016	.19925

LA-89 - FORCE SOURCE DATA TABULATION

ARC 213-1-11 LA89 OV 101 WITH T/C

(S2E168) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.017
RDBF =	-10.488	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 168/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.496	-2.400	-.01000	.02000	-10.50000	.00000	.01000	-.03000	-2.21000	-4.45000	6.49100	541.00000
.496	-.400	.00000	.03000	-10.49000	.00000	.03000	-.04000	-.20000	-4.46000	6.49800	541.00000
.496	1.580	.00000	.03000	-10.49000	.00000	.03000	-.03000	1.78000	-4.47000	6.49400	542.00000
.496	3.620	.00000	.03000	-10.49000	.00000	.03000	-.03000	3.79000	-4.47000	6.49400	542.00000
.496	5.650	.00000	.05000	-10.48000	.00000	.05000	-.05000	5.80000	-4.47000	6.48700	543.00000
.496	7.730	.00000	.04000	-10.48000	.00000	.04000	-.04000	7.84000	-4.47000	6.49300	543.00000
.496	9.830	.00000	.03000	-10.48000	.00000	.03000	-.04000	9.91000	-4.47000	6.49100	544.00000
.496	10.790	-.01000	.03000	-10.48000	.00000	.02000	-.04000	10.85000	-4.47000	6.49100	544.00000
.496	11.810	.00000	.03000	-10.49000	.00000	.02000	-.03000	11.86000	-4.46000	6.49500	545.00000
.496	12.780	.00000	.02000	-10.49000	.00000	.02000	-.03000	12.87000	-4.46000	6.49600	545.00000
.496	13.790	.00000	.03000	-10.47000	.00000	.03000	-.03000	13.85000	-4.45000	6.49100	546.00000
.496	14.810	-.03000	.05000	-10.47000	.00000	.02000	-.08000	14.91000	-4.44000	6.49400	546.00000
.496	15.760	.01000	.00000	-10.49000	.00000	.02000	.01000	15.86000	-4.44000	6.49100	547.00000
.496	19.680	-.29000	.13000	-10.51000	.00000	-.16000	-.42000	19.82000	-4.40000	6.49200	548.00000
	GRADIENT	.00149	.00149	.00149	.00000	.00299	.00050	.99698	-.00349	.00025	.19920

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E169) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.038	RDA =	.035
RDBF =	-10.501	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 169/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-2.420	-.03000	.01000	-10.52000	.00000	-.02000	-.04000	-2.20000	-4.50000	4.98300	602.00000
.598	-.380	-.02000	.03000	-10.51000	.00000	.00000	-.05000	-.20000	-4.51000	4.98300	602.00000
.598	1.640	-.02000	.02000	-10.50000	.00000	.00000	-.05000	1.82000	-4.51000	4.98300	602.00000
.598	3.650	-.02000	.03000	-10.50000	.00000	.02000	-.05000	3.85000	-4.52000	4.98400	603.00000
.598	5.590	-.01000	.04000	-10.50000	.00000	.03000	-.05000	5.81000	-4.52000	4.98000	603.00000
.598	7.640	-.01000	.02000	-10.51000	.00000	.01000	-.03000	7.85000	-4.52000	4.98500	604.00000
.598	9.620	-.02000	.03000	-10.50000	.00000	.01000	-.05000	9.83000	-4.51000	4.98100	604.00000
.598	10.650	-.01000	.02000	-10.51000	.00000	.01000	-.04000	10.85000	-4.51000	4.98400	605.00000
.598	11.660	-.02000	.03000	-10.49000	.00000	.01000	-.05000	11.86000	-4.50000	4.98500	605.00000
.598	12.650	-.02000	.03000	-10.50000	.00000	.02000	-.05000	12.84000	-4.50000	4.98400	605.00000
.598	13.630	-.05000	.06000	-10.50000	.00000	.01000	-.11000	13.83000	-4.49000	4.98200	606.00000
.598	14.660	-.08000	.10000	-10.48000	.00000	.01000	-.18000	14.86000	-4.48000	4.98000	606.00000
.598	15.700	-.11000	.09000	-10.49000	.00000	-.02000	-.20000	15.88000	-4.47000	4.98100	607.00000
.598	19.660	-.05000	-.04000	-10.50000	.00000	-.09000	-.02000	19.85000	-4.43000	4.97600	607.00000
	GRADIENT	.00149	.00248	.00346	.00000	.00593	-.00149	.99701	-.00297	.00015	.14795

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E170) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.045	RDA =	.019
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 170/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-2.440	-.09000	.06000	-10.51000	.00000	-.03000	-.15000	-2.25000	-4.45000	4.98700	609.00000
.598	-.410	-.09000	.07000	-10.50000	.00000	-.02000	-.16000	-.20000	-4.47000	4.98400	610.00000
.598	1.570	-.04000	.02000	-10.50000	.00000	-.02000	-.05000	1.77000	-4.47000	4.98700	611.00000
.598	3.670	-.03000	.01000	-10.50000	.00000	-.02000	-.05000	3.86000	-4.48000	4.99000	611.00000
.598	5.610	-.04000	.01000	-10.49000	.00000	-.02000	-.05000	5.76000	-4.48000	4.98300	612.00000
.598	7.750	-.03000	.01000	-10.50000	.00000	-.02000	-.04000	7.87000	-4.48000	4.97700	612.00000
.598	9.750	-.04000	.00000	-10.51000	.00000	-.04000	-.04000	9.84000	-4.47000	4.97900	613.00000
.598	10.790	-.05000	.00000	-10.51000	.00000	-.05000	-.05000	10.87000	-4.47000	4.97800	613.00000
.598	11.790	-.05000	.00000	-10.51000	.00000	-.05000	-.05000	11.87000	-4.47000	4.97800	613.00000
.598	12.730	-.05000	.01000	-10.51000	.00000	-.05000	-.06000	12.82000	-4.46000	4.98000	614.00000
.598	13.740	-.08000	.03000	-10.51000	.00000	-.05000	-.11000	13.85000	-4.46000	4.97900	614.00000
.598	14.750	-.10000	.06000	-10.50000	.00000	-.05000	-.16000	14.87000	-4.45000	4.96200	615.00000
.598	15.710	-.03000	-.03000	-10.51000	.00000	-.06000	.00000	15.83000	-4.44000	4.98000	616.00000
.598	19.630	.00000	.04000	-10.50000	.00000	.03000	-.04000	19.79000	-4.40000	4.98200	617.00000
	GRADIENT	.01129	-.00982	.00147	.00000	.00147	.02010	.99949	-.00443	.00059	.34335

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E171) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.055	RDA =	.009
RDBF =	-10.476	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 171/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.648	-2.460	-.01000	-.08000	-10.49000	.00000	-.09000	.08000	-2.27000	-4.49000	6.49400	631.00000
.648	-.370	.01000	-.07000	-10.48000	.00000	-.06000	.08000	-.18000	-4.50000	6.49300	631.00000
.648	1.650	.01000	-.06000	-10.46000	.00000	-.05000	.07000	1.83000	-4.51000	6.49100	632.00000
.648	3.590	.01000	-.04000	-10.47000	.00000	-.03000	.06000	3.79000	-4.51000	6.47900	632.00000
.648	5.600	.02000	-.07000	-10.48000	.00000	-.05000	.10000	5.78000	-4.52000	6.47900	633.00000
.648	7.680	.03000	-.09000	-10.48000	.00000	-.05000	.12000	7.83000	-4.51000	6.48300	633.00000
.648	9.690	-.05000	-.02000	-10.48000	.00000	-.07000	-.03000	9.84000	-4.51000	6.47800	634.00000
.648	10.710	-.05000	.00000	-10.47000	.00000	-.05000	-.05000	10.86000	-4.51000	6.47200	634.00000
.648	11.710	-.06000	.01000	-10.47000	.00000	-.05000	.06000	11.87000	-4.50000	6.47100	635.00000
.648	12.670	-.09000	.02000	-10.47000	.00000	-.07000	-.11000	12.86000	-4.50000	6.46400	635.00000
.648	13.720	-.20000	-.01000	-10.48000	.00000	-.21000	-.18000	13.89000	-4.49000	6.46900	636.00000
.648	14.730	-.05000	.06000	-10.47000	.00000	.01000	-.12000	14.90000	-4.48000	6.47100	637.00000
.648	15.690	-.10000	.07000	-10.48000	.00000	-.03000	-.17000	15.86000	-4.48000	6.45400	637.00000
.648	19.650	-.03000	.07000	-10.48000	.00000	.03000	-.10000	19.85000	-4.44000	6.46100	638.00000
	GRADIENT	.00301	.00642	.00400	.00000	.00944	-.00345	1.00095	-.00349	-.00231	.19831

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E172) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.019	RDA =	.062
RDBF =	-10.468	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 172/ 0 RN/L = 6.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.647	-2.450	.02000	.08000	-10.48000	.00000	.09000	-.06000	-2.26000	-4.43000	6.44900	640.00000
.647	-.440	.01000	.07000	-10.47000	.00000	.08000	-.06000	-.23000	-4.45000	6.45300	640.00000
.647	1.600	.01000	.08000	-10.47000	.00000	.09000	-.06000	1.80000	-4.45000	6.44600	641.00000
.647	3.650	.01000	.08000	-10.47000	.00000	.09000	-.07000	3.84000	-4.46000	6.44400	641.00000
.647	5.650	-.02000	.09000	-10.45000	.00000	.06000	-.11000	5.79000	-4.46000	6.45100	643.00000
.647	7.760	-.01000	.09000	-10.47000	.00000	.07000	-.10000	7.84000	-4.46000	6.44800	642.00000
.647	9.830	-.05000	.09000	-10.47000	.00000	.03000	-.14000	9.87000	-4.46000	6.44000	644.00000
.647	10.780	.12000	-.08000	-10.45000	.00000	.04000	.19000	10.81000	-4.45000	6.43700	644.00000
.647	11.800	-.01000	.03000	-10.47000	.00000	.02000	.05000	11.84000	-4.45000	6.43200	645.00000
.647	12.760	-.04000	.05000	-10.45000	.00000	.02000	-.09000	12.86000	-4.45000	6.42500	645.00000
.647	13.810	-.14000	.04000	-10.46000	.00000	-.10000	-.18000	13.88000	-4.44000	6.42800	646.00000
.647	14.790	.01000	.06000	-10.46000	.00000	.07000	-.05000	14.87000	-4.43000	6.43200	647.00000
.647	15.740	-.04000	.12000	-10.47000	.00000	.08000	-.15000	15.83000	-4.43000	6.43200	647.00000
.647	19.660	-.03000	.05000	-10.49000	.00000	.02000	-.08000	19.80000	-4.39000	6.41500	650.00000
	GRADIENT	-.00147	.00050	.00147	.00000	.00050	-.00148	.99949	-.00442	-.00109	.19675

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E173) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.050
RDBF =	-10.472	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 173/ 0 RN/L = 6.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-2.450	.03000	.06000	-10.48000	.00000	.09000	-.03000	-2.26000	-4.50000	6.44200	658.00000
.698	-.420	.03000	.06000	-10.47000	.00000	.09000	-.03000	-.23000	-4.51000	6.44400	658.00000
.698	1.610	.04000	.05000	-10.47000	.00000	.09000	-.01000	1.79000	-4.51000	6.43600	659.00000
.698	3.610	.02000	.05000	-10.47000	.00000	.08000	-.03000	3.81000	-4.52000	6.48100	701.00000
.698	5.660	.04000	.05000	-10.47000	.00000	.09000	-.01000	5.82000	-4.52000	6.47800	702.00000
.698	7.670	.02000	.05000	-10.47000	.00000	.07000	-.03000	7.82000	-4.52000	6.47600	702.00000
.698	9.710	.01000	.07000	-10.46000	.00000	.09000	-.06000	9.86000	-4.51000	6.48300	703.00000
.698	10.670	-.01000	.08000	-10.47000	.00000	.07000	-.09000	10.86000	-4.51000	6.46300	703.00000
.698	11.710	-.04000	.10000	-10.48000	.00000	.06000	-.14000	11.86000	-4.50000	6.47000	704.00000
.698	12.670	-.01000	.05000	-10.47000	.00000	.03000	-.06000	12.86000	-4.50000	6.45800	705.00000
.698	13.720	-.13000	.02000	-10.48000	.00000	-.12000	-.15000	13.88000	-4.49000	6.46400	705.00000
.698	14.690	-.29000	-.07000	-10.48000	.00000	-.36000	-.22000	14.86000	-4.48000	6.46800	706.00000
.698	15.670	-.02000	.06000	-10.46000	.00000	.05000	-.08000	15.85000	-4.48000	6.46100	707.00000
.698	19.660	-.06000	.08000	-10.48000	.00000	.03000	-.14000	19.86000	-4.44000	6.48100	708.00000
	GRADIENT	-.00098	-.00198	.00149	.00000	-.00148	.00100	1.00098	-.00297	.00537	6.41401

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E174) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.030	RDA =	.029
RDBF =	-10.474	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 174/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-2.430	-.01000	.02000	-10.48000	.00000	.02000	-.03000	-2.21000	-4.43000	6.47900	711.00000
.699	-.420	.00000	.02000	-10.48000	.00000	.02000	-.03000	-.22000	-4.44000	6.47200	711.00000
.699	1.600	-.01000	.02000	-10.47000	.00000	.02000	-.03000	1.80000	-4.45000	6.46200	712.00000
.699	3.650	.00000	.03000	-10.48000	.00000	.03000	-.03000	3.84000	-4.45000	6.45900	712.00000
.699	5.640	-.01000	.03000	-10.47000	.00000	.01000	-.04000	5.80000	-4.45000	6.46400	713.00000
.699	7.740	-.02000	.04000	-10.48000	.00000	.02000	-.07000	7.81000	-4.45000	6.46100	713.00000
.699	9.810	-.04000	.03000	-10.47000	.00000	-.01000	-.08000	9.85000	-4.45000	6.47500	714.00000
.699	10.790	-.05000	.05000	-10.48000	.00000	.00000	-.10000	10.86000	-4.45000	6.46600	714.00000
.699	11.780	-.09000	.09000	-10.47000	.00000	.00000	-.18000	11.82000	-4.45000	6.46400	715.00000
.699	12.790	-.05000	-.02000	-10.47000	.00000	-.07000	-.03000	12.86000	-4.44000	6.46400	716.00000
.699	13.770	-.14000	-.06000	-10.47000	.00000	-.21000	-.08000	13.83000	-4.44000	6.45200	716.00000
.699	14.760	.09000	-.07000	-10.47000	.00000	.02000	.16000	14.85000	-4.43000	6.45900	717.00000
.699	15.760	-.10000	.11000	-10.48000	.00000	.00000	-.21000	15.85000	-4.42000	6.45900	717.00000
.699	19.680	.02000	.06000	-10.47000	.00000	.08000	-.04000	19.83000	-4.37000	6.47500	718.00000
	GRADIENT	.00099	.00149	.00049	.00000	.00149	-.00000	.99556	-.00345	-.00345	.19733

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E175) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.027
RDBF =	-10.472	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 175/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-6.060	-.03000	.03000	-10.46000	.00000	.00000	-.06000	11.88000	-4.66000	6.47100	723.00000
.699	-4.050	-.03000	.03000	-10.46000	.00000	-.01000	-.06000	11.88000	-4.61000	6.46900	723.00000
.699	-3.030	-.03000	.04000	-10.46000	.00000	.01000	-.06000	11.87000	-4.58000	6.45500	723.00000
.699	-2.000	-.02000	.02000	-10.48000	.00000	.00000	-.04000	11.87000	-4.55000	6.46400	724.00000
.699	-.980	-.02000	.02000	-10.48000	.00000	.00000	-.05000	11.87000	-4.53000	6.46400	724.00000
.699	.050	-.03000	.03000	-10.46000	.00000	.00000	-.05000	11.88000	-4.50000	6.45700	724.00000
.699	1.060	-.02000	.03000	-10.48000	.00000	.00000	-.05000	11.88000	-4.48000	6.45900	725.00000
.699	2.100	-.02000	.04000	-10.47000	.00000	.02000	-.06000	11.88000	-4.45000	6.46900	725.00000
.699	3.130	-.03000	.02000	-10.48000	.00000	-.01000	.05000	11.87000	-4.42000	6.47300	725.00000
.699	4.150	-.03000	.02000	-10.47000	.00000	-.01000	-.04000	11.87000	-4.39000	6.47700	726.00000
.699	6.240	-.02000	.02000	-10.48000	.00000	-.01000	-.04000	11.87000	-4.33000	6.48300	726.00000
.699	8.340	.00000	.03000	-10.49000	.00000	.03000	-.04000	11.87000	-4.27000	6.48200	726.00000
	GRADIENT	-.00000	-.00081	-.00130	.00000	-.00033	.00114	-.00016	.02617	.00148	.34127

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E176) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.020	RDA =	.048
RDBF =	-10.548	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 176/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-2.410	.00000	.01000	-10.56000	.00000	.00000	-.01000	-2.21000	-4.50000	3.73800	745.00000
.600	-.380	.00000	.00000	-10.56000	.00000	.01000	.00000	-.20000	-4.51000	3.73900	746.00000
.600	1.610	.01000	.00000	-10.55000	.00000	.02000	.01000	1.80000	-4.51000	3.73600	747.00000
.600	3.580	.02000	.01000	-10.54000	.00000	.03000	.00000	3.79000	-4.52000	3.73300	747.00000
.500	5.560	.02000	.01000	-10.56000	.00000	.02000	.01000	5.80000	-4.52000	3.73600	748.00000
.600	7.570	.02000	.00000	-10.55000	.00000	.02000	.02000	7.79000	-4.52000	3.73200	748.00000
.600	9.590	.01000	.03000	-10.54000	.00000	.03000	-.02000	9.81000	-4.51000	3.73800	749.00000
.600	10.610	.00000	.04000	-10.54000	.00000	.04000	-.05000	10.83000	-4.51000	3.73200	749.00000
.600	11.600	-.01000	.03000	-10.55000	.00000	.03000	-.04000	11.82000	-4.50000	3.72800	750.00000
.600	12.630	-.01000	.04000	-10.55000	.00000	.03000	-.06000	12.83000	-4.50000	3.73200	751.00000
.600	13.650	-.06000	.11000	-10.54000	.00000	.05000	-.17000	13.84000	-4.49000	3.74200	752.00000
.600	14.630	-.08000	.13000	-10.54000	.00000	.04000	-.21000	14.84000	-4.48000	3.73300	752.00000
.600	15.640	-.10000	.13000	-10.54000	.00000	.03000	-.23000	15.84000	-4.47000	3.73700	753.00000
.600	19.600	-.10000	.13000	-10.55000	.00000	.03000	-.23000	19.78000	-4.43000	3.73900	755.00000
	GRADIENT	.00350	-.00002	.00350	.00000	.00501	.00202	1.00197	-.00301	-.00090	.35139

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E177) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.021
RDBF =	-10.555	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 177/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-2.400	-.01000	.01000	-10.57000	.00000	.00000	-.02000	-2.21000	-4.46000	3.74500	759.00000
.599	-.410	-.01000	.03000	-10.55000	.00000	.02000	-.03000	-.20000	-4.48000	3.74300	759.00000
.599	1.580	.00000	.01000	-10.56000	.00000	.01000	-.02000	1.78000	-4.48000	3.74800	800.00000
.599	3.600	.00000	.01000	-10.56000	.00000	.01000	-.02000	3.80000	-4.49000	3.74600	801.00000
.599	5.640	.00000	.02000	-10.56000	.00000	.01000	-.02000	5.78000	-4.49000	3.75800	801.00000
.599	7.710	.00000	.02000	-10.56000	.00000	.01000	-.02000	7.81000	-4.49000	3.74600	802.00000
.599	9.710	.00000	.02000	-10.56000	.00000	.01000	-.02000	9.80000	-4.48000	3.74600	802.00000
.599	10.730	-.01000	.02000	-10.54000	.00000	.01000	-.03000	10.82000	-4.48000	3.75400	803.00000
.599	11.730	-.01000	.02000	-10.55000	.00000	.01000	-.03000	11.82000	-4.48000	3.75000	804.00000
.599	12.720	.00000	.03000	-10.55000	.00000	.02000	-.03000	12.83000	-4.47000	3.74400	804.00000
.599	13.750	.01000	.00000	-10.55000	.00000	.02000	.01000	13.84000	-4.46000	3.74900	805.00000
.599	14.710	-.02000	.04000	-10.55000	.00000	.02000	-.05000	14.84000	-4.46000	3.74500	806.00000
.599	15.710	-.01000	.03000	-10.56000	.00000	.02000	-.03000	15.84000	-4.45000	3.75300	807.00000
.599	19.630	.00000	.04000	-10.55000	.00000	.03000	-.04000	19.77000	-4.41000	3.74400	808.00000
	GRADIENT	.00200	-.00100	.00100	.00000	.00100	.00050	1.00100	-.00450	.00040	8.34836

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E178) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	.001
RDBF =	-10.553	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 178/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.395	-5.970	-.01000	-.01000	-10.57000	.00000	-.03000	.00000	11.83000	-4.56000	3.72500	821.00000
.395	-3.950	-.01000	-.01000	-10.56000	.00000	-.02000	.00000	11.83000	-4.54000	3.73500	821.00000
.395	-2.950	-.01000	.00000	-10.55000	.00000	-.01000	-.01000	11.83000	-4.53000	3.73100	822.00000
.395	-1.940	.00000	.01000	-10.55000	.00000	.00000	-.01000	11.83000	-4.52000	3.72800	822.00000
.395	-.940	.00000	.00000	-10.55000	.00000	.00000	.00000	11.83000	-4.51000	3.72400	823.00000
.395	.060	.00000	.00000	-10.56000	.00000	-.01000	.00000	11.83000	-4.50000	3.73300	823.00000
.395	1.070	.00000	.00000	-10.56000	.00000	.00000	.00000	11.82000	-4.49000	3.72900	824.00000
.395	2.080	.00000	.00000	-10.55000	.00000	.00000	.00000	11.82000	-4.48000	3.73100	824.00000
.395	3.080	.00000	.01000	-10.54000	.00000	.01000	.01000	11.82000	-4.47000	3.72700	824.00000
.395	4.110	.01000	.00000	-10.55000	.00000	.02000	.01000	11.82000	-4.46000	3.73800	825.00000
.395	6.140	.02000	.01000	-10.55000	.00000	.02000	.01000	11.82000	-4.44000	3.73900	825.00000
.395	8.180	.02000	.00000	-10.55000	.00000	.03000	.02000	11.82000	-4.42000	3.74000	826.00000
	GRADIENT	.00182	.00083	.00099	.00000	.00365	.00100	-.00166	.00994	.00018	.44717

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E179) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.018	RDA =	.055
RDBF =	-10.566	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 179/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-2.390	-.01000	.03000	-10.58000	.00000	.02000	-.03000	-2.20000	-4.50000	2.49600	843.00000
.601	-.410	.00000	.04000	-10.57000	.00000	.04000	-.05000	-.20000	-4.51000	2.49000	843.00000
.601	1.580	.00000	.04000	-10.56000	.00000	.04000	-.05000	1.80000	-4.52000	2.49000	844.00000
.601	3.570	.00000	.03000	-10.57000	.00000	.03000	-.03000	3.78000	-4.52000	2.49100	844.00000
.601	5.590	.00000	.03000	-10.57000	.00000	.03000	-.03000	5.78000	-4.52000	2.49100	845.00000
.601	7.590	.00000	.04000	-10.55000	.00000	.05000	-.04000	7.80000	-4.52000	2.48900	846.00000
.601	9.580	.00000	.03000	-10.57000	.00000	.03000	-.03000	9.81000	-4.51000	2.48800	846.00000
.601	10.590	-.01000	.04000	-10.56000	.00000	.03000	-.04000	10.80000	-4.51000	2.49100	847.00000
.601	11.590	-.01000	.05000	-10.56000	.00000	.04000	-.07000	11.80000	-4.50000	2.48500	847.00000
.601	12.610	-.01000	.05000	-10.57000	.00000	.04000	-.06000	12.83000	-4.49000	2.48400	848.00000
.601	13.590	-.05000	.10000	-10.57000	.00000	.05000	-.15000	13.80000	-4.49000	2.49600	849.00000
.601	14.610	-.05000	.10000	-10.57000	.00000	.04000	-.15000	14.83000	-4.48000	2.48300	849.00000
.601	15.630	-.06000	.11000	-10.56000	.00000	.04000	-.17000	15.86000	-4.47000	2.48500	850.00000
.601	19.580	-.05000	.08000	-10.57000	.00000	.03000	-.13000	19.75000	-4.43000	2.49000	851.00000
	GRADIENT	.00151	-.00000	.00201	.00000	.00151	.00001	1.00352	-.00352	-.00075	.20136

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E180) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.050
RDBF =	-10.564	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 180/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-2.390	-.02000	.05000	-10.56000	.00000	.03000	-.06000	-2.20000	-4.47000	2.49200	853.00000
.601	-.430	-.01000	.04000	-10.57000	.00000	.03000	-.05000	-.20000	-4.49000	2.49300	853.00000
.601	1.560	-.01000	.06000	-10.55000	.00000	.05000	-.06000	1.79000	-4.49000	2.49000	854.00000
.601	3.590	.00000	.05000	-10.57000	.00000	.05000	-.05000	3.78000	-4.50000	2.49100	855.00000
.601	5.670	.00000	.04000	-10.57000	.00000	.05000	-.04000	5.78000	-4.50000	2.48800	855.00000
.601	7.720	.00000	.05000	-10.57000	.00000	.05000	-.05000	7.81000	-4.50000	2.48500	856.00000
.601	9.720	.00000	.04000	-10.57000	.00000	.04000	-.05000	9.80000	-4.49000	2.48600	857.00000
.601	10.720	.00000	.06000	-10.56000	.00000	.06000	-.06000	10.81000	-4.49000	2.48900	857.00000
.601	11.730	.00000	.06000	-10.56000	.00000	.06000	-.06000	11.82000	-4.48000	2.48800	858.00000
.601	12.720	.00000	.05000	-10.55000	.00000	.05000	-.05000	12.81000	-4.48000	2.49500	858.00000
.601	13.730	.00000	.05000	-10.57000	.00000	.05000	-.05000	13.81000	-4.47000	2.48800	859.00000
.601	14.710	.00000	.06000	-10.56000	.00000	.06000	-.06000	14.84000	-4.46000	2.49400	859.00000
.601	15.720	-.01000	.04000	-10.57000	.00000	.04000	-.05000	15.83000	-4.45000	2.48300	900.00000
.601	19.610	.00000	.05000	-10.57000	.00000	.05000	-.05000	19.74000	-4.41000	2.48100	901.00000
	GRADIENT	.00301	.00100	-.00051	.00000	.00401	.00100	.99993	-.00451	-.00030	.35206

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E181) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.008	RDA =	.058
RDBF =	-10.656	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 181/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.401	-5.920	-.02000	.05000	-10.65000	.00000	.04000	-.07000	4.97000	-.06000	2.52200	1152.00000
.401	-3.920	-.02000	.05000	-10.64000	.00000	.03000	-.07000	4.97000	-.05000	2.52000	1152.00000
.401	-2.920	-.01000	.05000	-10.67000	.00000	.04000	-.07000	4.98000	-1.10000	2.48700	1206.00000
.401	-1.900	-.01000	.06000	-10.66000	.00000	.05000	-.07000	4.98000	-1.10000	2.49100	1207.00000
.401	-.890	-.01000	.06000	-10.66000	.00000	.06000	-.07000	4.98000	-1.09000	2.48700	1207.00000
.401	.070	-.01000	.07000	-10.65000	.00000	.07000	-.08000	4.98000	-1.08000	2.48300	1208.00000
.401	1.080	-.01000	.05000	-10.67000	.00000	.05000	-.06000	4.97000	-1.08000	2.48900	1209.00000
.401	2.050	.00000	.06000	-10.65000	.00000	.06000	-.06000	4.97000	-1.07000	2.48800	1209.00000
.401	3.040	.00000	.07000	-10.65000	.00000	.07000	-.07000	4.98000	-1.06000	2.48400	1210.00000
.401	4.050	.00000	.07000	-10.65000	.00000	.07000	-.07000	4.98000	-1.06000	2.48700	1210.00000
.401	6.080	-.01000	.06000	-10.65000	.00000	.05000	-.07000	4.98000	-1.04000	2.48400	1211.00000
.401	8.090	.00000	.05000	-10.67000	.00000	.05000	-.05000	4.98000	-1.03000	2.48400	1211.00000
	GRADIENT	.00218	.00218	.00049	.00000	.00437	.00050	.00017	-.06489	-.00244	4.20860

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E182) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.482	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 182/ 0 RN/L = 3.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.396	-5.960	-.05000	.03000	-10.47000	.00000	-.02000	-.08000	4.97000	-1.14000	3.74800	1223.00000
.396	-3.930	-.05000	.01000	-10.49000	.00000	-.04000	-.06000	4.97000	-1.12000	3.74700	1224.00000
.396	-2.930	-.05000	.03000	-10.47000	.00000	-.02000	-.08000	4.97000	-1.11000	3.74500	1224.00000
.396	-1.910	-.05000	.02000	-10.48000	.00000	-.03000	-.06000	4.97000	-1.10000	3.74100	1225.00000
.396	-.900	-.04000	.02000	-10.49000	.00000	-.03000	-.06000	4.97000	-1.09000	3.74500	1225.00000
.396	.040	-.04000	.03000	-10.48000	.00000	-.01000	-.08000	4.98000	-1.08000	3.75000	1227.00000
.396	1.170	-.04000	.03000	-10.48000	.00000	-.01000	-.07000	4.96000	-1.07000	3.74600	1227.00000
.396	2.150	-.04000	.02000	-10.50000	.00000	-.01000	-.06000	4.96000	-1.06000	3.74400	1228.00000
.396	3.150	-.03000	.03000	-10.48000	.00000	.00000	-.06000	4.96000	-1.05000	3.74300	1228.00000
.396	4.170	-.04000	.03000	-10.48000	.00000	.00000	-.07000	4.95000	-1.04000	3.74600	1229.00000
.396	6.190	-.03000	.05000	-10.48000	.00000	.02000	-.08000	4.95000	-1.02000	3.74500	1229.00000
.396	8.210	-.03000	.03000	-10.49000	.00000	.00000	-.06000	4.95000	-1.00000	3.75000	1230.00000
	GRADIENT	.00197	.00147	-.00033	.00000	.00459	.00018	-.00232	.00986	-.00005	.65684

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E183) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.003
RDBF =	-10.487	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 183/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-5.980	-.13000	-.04000	-10.49000	.00000	-.17000	-.09000	5.01000	-1.17000	3.76300	1239.00000
.599	-3.950	-.13000	-.04000	-10.48000	.00000	-.17000	-.09000	5.01000	-1.14000	3.76400	1240.00000
.599	-2.940	-.12000	-.03000	-10.48000	.00000	-.15000	-.09000	5.01000	-1.13000	3.75800	1240.00000
.599	-1.910	-.12000	-.02000	-10.49000	.00000	-.14000	-.09000	5.01000	-1.11000	3.76200	1241.00000
.599	-.890	-.12000	-.03000	-10.49000	.00000	-.15000	-.08000	5.01000	-1.10000	3.76000	1241.00000
.599	.070	-.05000	.04000	-10.48000	.00000	-.01000	-.09000	5.01000	-1.08000	3.76000	1242.00000
.599	1.050	.13000	-.14000	-10.48000	.00000	-.01000	.27000	5.00000	-1.07000	3.75800	1244.00000
.599	2.070	-.06000	.07000	-10.49000	.00000	.06000	-.13000	5.00000	-1.06000	3.75500	1253.00000
.599	3.070	-.05000	.06000	-10.49000	.00000	.01000	-.10000	5.00000	-1.04000	3.74800	1255.00000
.599	4.080	-.04000	.04000	-10.50000	.00000	.00000	-.09000	5.00000	-1.03000	3.74800	1256.00000
.599	6.130	-.03000	.06000	-10.49000	.00000	.03000	-.10000	5.00000	-1.00000	3.74900	1256.00000
.599	8.150	-.03000	.07000	-10.49000	.00000	.04000	-.10000	5.00000	-.97000	3.74900	1257.00000
	GRADIENT	.01555	.01103	-.00167	.00000	.02625	.00387	-.00166	.01399	-.00183	2.26319

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E184) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.068 RDA = .038
RDBF = -10.487 ALPHA = 5.000
ELEVON = .000 SPDBRK = 7.500
BDFLAP = -11.700 RN/L = 3.750
GRIT = 1.000

RUN NO. 184/ 0 RN/L = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.699	-5.950	-.08000	.03000	-10.48000	.00000	-.05000	-.11000	5.05000	-1.18000	3.78400	1302.00000
.699	-3.960	-.07000	.02000	-10.49000	.00000	-.05000	-.09000	5.05000	-1.15000	3.78700	1302.00000
.699	-2.940	-.07000	.04000	-10.49000	.00000	-.04000	-.11000	5.05000	-1.13000	3.77800	1303.00000
.699	-1.920	-.08000	.03000	-10.49000	.00000	-.05000	-.10000	5.05000	-1.11000	3.78100	1303.00000
.699	-.890	-.07000	.03000	-10.49000	.00000	-.04000	-.10000	5.05000	-1.10000	3.78200	1304.00000
.699	.070	-.07000	.04000	-10.47000	.00000	-.03000	-.12000	5.05000	-1.09000	3.77800	1305.00000
.699	1.060	-.07000	.05000	-10.48000	.00000	-.02000	-.12000	5.04000	-1.07000	3.77900	1306.00000
.699	2.070	-.07000	.04000	-10.49000	.00000	-.03000	-.10000	5.04000	-1.05000	3.78200	1307.00000
.699	3.080	-.07000	.04000	-10.49000	.00000	-.03000	-.11000	5.04000	-1.04000	3.77600	1307.00000
.699	4.090	-.06000	.04000	-10.50000	.00000	-.02000	-.10000	5.04000	-1.02000	3.77300	1308.00000
.699	6.140	-.06000	.06000	-10.48000	.00000	.00003	-.12000	5.04000	-.99000	3.77900	1308.00000
.699	8.170	-.05000	.04000	-10.50000	.00000	-.01090	-.10000	5.04000	-.95000	3.77900	1309.00000
	GRADIENT	.00100	.00199	-.00050	.00000	.00348	-.00099	-.00166	.01562	-.00105	.76379

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E185) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.103 RDA = .009
RDBF = -10.472 BETA = -6.000
ELEVON = .000 SPDBRK = 7.500
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 185/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.697	5.150	-.11000	.00000	-10.47000	.00000	-.11000	-.10000	4.99000	-1.21000	4.98800	1322.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E186) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.085	RDA =	.046
RDBF =	-10.475	BETA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 186/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-2.010	-.06000	.04000	-10.48000	.00000	-.02000	-.10000	-2.03000	-1.08000	4.99200	1336.00000
.698	.000	-.06000	.04000	-10.47000	.00000	-.02000	-.10000	.00000	-1.08000	4.99800	1337.00000
.698	1.980	-.05000	.03000	-10.48000	.00000	-.02000	-.09000	1.98000	-1.08000	4.98800	1337.00000
.698	3.990	-.06000	.03000	-10.48000	.00000	-.02000	-.09000	3.96000	-1.09000	4.99700	1338.00000
.698	5.980	-.05000	.03000	-10.47000	.00000	-.02000	-.09000	5.98000	-1.08000	4.99400	1338.00000
.698	8.040	-.05000	.05000	-10.47000	.00000	.00000	-.10000	7.98000	-1.08000	4.99100	1339.00000
.698	10.040	-.05000	.04000	-10.48000	.00000	-.01000	-.10000	10.01000	-1.08000	4.98800	1340.00000
.698	11.040	-.05000	.04000	-10.47000	.00000	-.01000	-.10000	11.02000	-1.08000	4.99600	1340.00000
.698	12.050	-.07000	.05000	-10.47000	.00000	-.02000	-.12000	12.02000	-1.08000	4.99500	1341.00000
.698	13.070	-.09000	.06000	-10.48000	.00000	-.02000	-.15000	13.04000	-1.08000	4.98700	1342.00000
.698	14.050	-.11000	.09000	-10.48000	.00000	-.03000	-.20000	14.03000	-1.08000	4.99000	1342.00000
.698	15.040	-.07000	-.02000	-10.47000	.00000	-.09000	-.05000	15.03000	-1.07000	4.98900	1344.00000
.698	16.040	-.14000	.05000	-10.47000	.00000	-.09000	-.20000	16.04000	-1.07000	4.98600	1344.00000
.698	20.000	-.28000	.12000	-10.48000	.00000	-.16000	-.40000	19.99000	-1.06000	4.99400	1345.00000
	GRADIENT	.00050	-.00200	-.00050	.00000	.00000	.00200	.99850	-.00150	.00026	.30060

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E187) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.028
RDBF =	-10.479	ALPHA =	-2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 187/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	2.060	-.01000	.01000	-10.48000	.00000	.00000	-.03000	-2.03000	-1.03000	4.98000	1349.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E188) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.068
RDBF =	-10.480	ALPHA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 188/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.697	-6.080	-.06000	.07000	-10.48000	.00000	.01000	-.13000	.01000	-1.21000	4.97900	1403.00000
.697	-4.040	-.07000	.06000	-10.48000	.00000	-.01000	-.13000	.01000	-1.17000	4.98800	1404.00000
.697	-3.020	-.07000	.07000	-10.48000	.00000	.00000	-.14000	.01000	-1.15000	4.98200	1404.00000
.697	-1.990	-.06000	.06000	-10.49000	.00000	.00000	-.12000	.01000	-1.13000	4.99100	1405.00000
.697	-.950	-.05000	.06000	-10.50000	.00000	.00000	-.11000	.01000	-1.10000	4.98700	1406.00000
.697	.060	-.05000	.06000	-10.49000	.00000	.01000	-.11000	.02000	-1.09000	4.98400	1406.00000
.697	1.100	-.05000	.07000	-10.47000	.00000	.02000	-.12000	.02000	-1.06000	4.99000	1407.00000
.697	2.140	-.05000	.06000	-10.49000	.00000	.01000	-.10000	.02000	-1.03000	4.98500	1407.00000
.697	3.160	-.04000	.07000	-10.48000	.00000	.02000	-.11000	-.03000	-1.01000	4.98000	1410.00000
.697	4.180	-.04000	.07000	-10.47000	.00000	.03000	-.11000	-.03000	-.99000	4.97600	1410.00000
.697	6.210	-.04000	.08000	-10.47000	.00000	.04000	-.12000	-.03000	-.94000	4.98400	1411.00000
.697	8.240	-.04000	.08000	-10.47000	.00000	.04000	-.11000	-.03000	-.90000	4.97800	1411.00000
	GRADIENT	.00373	.00081	.00113	.00000	.00421	.00324	-.00405	.02236	-.00102	.76137

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E189) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.042
RDBF =	-10.474	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 189/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-6.020	-.08000	.07000	-10.48000	.00000	.00000	-.15000	10.02000	-1.20000	4.97600	1414.00000
.698	-4.000	-.08000	.07000	-10.48000	.00000	-.01000	-.14000	10.03000	-1.16000	4.96900	1415.00000
.698	-3.000	-.08000	.08000	-10.47000	.00000	.00000	-.16000	10.01000	-1.14000	4.96800	1416.00000
.698	-1.980	-.08000	.07000	-10.48000	.00000	-.01000	-.15000	9.99000	-1.12000	4.97300	1416.00000
.698	-.980	-.02000	.03000	-10.47000	.00000	.01000	-.05000	10.00000	-1.10000	4.99300	1418.00000
.698	.020	-.02000	.02000	-10.47000	.00000	.00000	-.04000	10.01000	-1.08000	4.99200	1418.00000
.698	1.030	-.01000	.03000	-10.48000	.00000	.02000	-.04000	10.00000	-1.06000	4.99400	1419.00000
.698	2.050	-.01000	.02000	-10.47000	.00000	.01000	-.03000	9.99000	-1.04000	4.99900	1419.00000
.698	3.080	-.01000	.02000	-10.47000	.00000	.01000	-.03000	9.99000	-1.02000	4.99700	1420.00000
.698	4.120	-.01000	.03000	-10.47000	.00000	.02000	-.04000	9.98000	-1.00000	4.99300	1420.00000
.698	6.180	.00000	.04000	-10.47000	.00000	.04000	-.04000	9.97000	-.95000	4.98800	1421.00000
.698	8.230	.00000	.03000	-10.48000	.00000	.03000	-.03000	9.96000	-.91000	4.98800	1422.00000
	GRADIENT	.01050	-.00722	.00082	.00000	.00329	.01706	-.00428	.01974	.00387	.64095

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E190) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.024
RDBF =	-10.473	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 190/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.698	-6.050	-.04000	.03000	-10.47000	.00000	-.02000	-.07000	12.03000	-1.20000	4.99100	1424.00000
.698	-4.030	-.04000	.03000	-10.47000	.00000	-.01000	-.06000	12.01000	-1.16000	4.98300	1425.00000
.698	-3.010	-.03000	.02000	-10.47000	.00000	-.01000	-.05000	12.01000	-1.14000	4.98900	1425.00000
.698	-1.990	-.02000	.02000	-10.48000	.00000	.00000	-.05000	12.00000	-1.12000	4.98400	1426.00000
.698	-.970	-.02000	.02000	-10.48000	.00000	-.01000	-.04000	12.00000	-1.10000	4.98300	1427.00000
.698	.040	-.03000	.02000	-10.47000	.00000	-.01000	-.05000	12.01000	-1.08000	4.99200	1427.00000
.698	1.050	-.03000	.02000	-10.47000	.00000	-.01000	-.05000	12.00000	-1.06000	4.99300	1428.00000
.698	2.080	-.03000	.03000	-10.47000	.00000	.01000	-.06000	12.00000	-1.04000	4.98400	1428.00000
.698	3.100	-.02000	.02000	-10.48000	.00000	-.01000	-.04000	12.00000	-1.02000	4.98500	1429.00000
.698	4.130	-.03000	.03000	-10.47000	.00000	.00000	-.05000	11.98000	-1.00000	4.97800	1429.00000
.698	6.200	-.02000	.02000	-10.48000	.00000	.00000	-.04000	11.98000	-.95000	4.98300	1430.00000
.698	8.260	-.01000	.03000	-10.47000	.00000	.02000	-.04000	11.97000	-.91000	4.97500	1430.00000
	GRADIENT	.00066	.00033	-.00000	.00000	.00098	.00066	-.00246	.01963	-.00036	.53973

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E191) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.036	RDA =	-.024
RDBF =	-10.494	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 191/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-2.000	.01000	-.01000	-10.48000	.00000	.00000	.02000	-2.01000	-1.08000	5.00300	1441.00000
.598	-.010	.01000	.00000	-10.48000	.00000	.01000	.01000	-.01000	-1.08000	5.00400	1441.00000
.598	1.990	.02000	-.01000	-10.49000	.00000	.02000	.03000	1.97000	-1.08000	4.99600	1442.00000
.598	3.990	.02000	-.01000	-10.49000	.00000	.01000	.03000	3.97000	-1.08000	5.00400	1443.00000
.598	5.980	.02000	.00000	-10.50000	.00000	.02000	.03000	5.98000	-1.08000	5.00600	1444.00000
.598	8.000	.02000	-.01000	-10.50000	.00000	.01000	.03000	7.99000	-1.08000	5.00700	1444.00000
.598	10.050	.08000	-.07000	-10.50000	.00000	.00000	.15000	9.99000	-1.08000	5.02200	1445.00000
.598	11.030	.10000	-.09000	-10.50000	.00000	.01000	.18000	11.01000	-1.08000	5.03200	1446.00000
.598	12.060	.10000	-.07000	-10.49000	.00000	.03000	.17000	12.00000	-1.08000	5.02200	1446.00000
.598	13.050	.10000	-.08000	-10.49000	.00000	.02000	.18000	13.01000	-1.08000	5.02300	1447.00000
.598	14.050	.01000	.01000	-10.50000	.00000	.01000	.00000	14.03000	-1.08000	5.01800	1448.00000
.598	15.060	.03000	.02000	-10.49000	.00000	.04000	.01000	15.04000	-1.07000	5.02900	1450.00000
.598	16.050	.02000	.01000	-10.50000	.00000	.03000	.01000	16.03000	-1.07000	5.01600	1450.00000
.598	19.970	-.03000	-.02000	-10.50000	.00000	-.04000	-.01000	19.97000	-1.06000	5.02000	1451.00000
	GRADIENT	.00200	-.00050	-.00200	.00000	.00200	.00251	.99749	-.00000	-.00025	.35068

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E192) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.049
RDBF =	-10.494	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 192/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.597	-2.020	.02000	.02000	-10.50000	.00000	.04000	.00000	-2.04000	-1.04000	5.01600	1454.00000
.597	-.040	.03000	.02000	-10.50000	.00000	.05000	.00000	-.03000	-1.04000	5.01500	1455.00000
.597	1.970	.02000	.03000	-10.49000	.00000	.06000	-.01000	1.98000	-1.04000	5.01700	1456.00000
.597	4.000	.02000	.03000	-10.51000	.00000	.05000	.00000	3.95000	-1.04000	5.02200	1457.00000
.597	6.070	.03000	.03000	-10.50000	.00000	.07000	.00000	5.96000	-1.04000	5.02100	1458.00000
.597	8.120	.02000	.03000	-10.50000	.00000	.06000	-.01000	7.99000	-1.04000	5.01700	1459.00000
.597	10.160	.00000	.07000	-10.49000	.00000	.07000	-.08000	9.98000	-1.04000	5.02000	1459.00000
.597	11.140	-.01000	.06000	-10.50000	.00000	.05000	-.06000	11.00000	-1.04000	5.01800	1500.00000
.597	12.160	-.01000	.07000	-10.49000	.00000	.07000	-.08000	11.99000	-1.04000	5.02600	1500.00000
.597	13.150	-.01000	.06000	-10.49000	.00000	.06000	-.07000	13.02000	-1.04000	5.01300	1501.00000
.597	14.140	-.04000	.12000	-10.48000	.00000	.07000	-.16000	14.02000	-1.04000	5.01800	1501.00000
.597	15.120	-.08000	.12000	-10.49000	.00000	.05000	-.20000	15.01000	-1.04000	5.01800	1502.00000
.597	16.120	.00000	.04000	-10.48000	.00000	.04000	-.04000	16.03000	-1.03000	5.01400	1505.00000
.597	20.010	-.03000	-.01000	-10.50000	.00000	-.04000	-.03000	19.98000	-1.03000	5.01100	1505.00000
	GRADIENT	-.00051	.00199	-.00101	.00000	.00198	-.00049	.99546	-.00000	.00100	.49824

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E193) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.024	RDA =	.053
RDBF =	-10.493	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 193/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.070	.00000	.06000	-10.48000	.00000	.07000	-.06000	.00000	-1.20000	5.01000	1509.00000
.598	-4.030	.01000	.06000	-10.50000	.00000	.07000	-.05000	.00000	-1.16000	5.01100	1510.00000
.598	-3.010	.01000	.08000	-10.49000	.00000	.09000	-.06000	.01000	-1.14000	5.01200	1510.00000
.598	-1.980	.01000	.06000	-10.50000	.00000	.07000	-.05000	.01000	-1.12000	5.00800	1510.00000
.598	-.950	-.02000	.02000	-10.50000	.00000	.00000	-.05000	.00000	-1.10000	5.01200	1511.00000
.598	.070	-.02000	.05000	-10.49000	.00000	.03000	-.06000	.01000	-1.08000	5.01200	1511.00000
.598	1.100	-.01000	.03000	-10.50000	.00000	.02000	-.04000	.01000	-1.06000	5.01200	1512.00000
.598	2.130	-.01000	.04000	-10.48000	.00000	.03000	-.05000	.01000	-1.04000	5.01000	1513.00000
.598	3.150	-.01000	.03000	-10.50000	.00000	.02000	-.04000	.01000	-1.02000	5.01000	1513.00000
.598	4.170	.00000	.03000	-10.50000	.00000	.03000	-.04000	.01000	-1.00000	5.00400	1514.00000
.598	6.200	-.01000	.04000	-10.50000	.00000	.04000	-.05000	.01000	-.96000	5.00600	1514.00000
.598	8.220	-.24000	.14000	-10.42000	.00000	-.10000	-.39000	.01000	-.92000	5.01300	1514.00000
	GRADIENT	-.00211	-.00488	.00016	.00000	-.00699	.00179	.00081	.01950	-.00049	.51994

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E194) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.013
RDBF =	-10.490	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 194/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.598	-6.000	-.03000	-.02000	-10.48000	.00000	-.05000	-.02000	4.97000	-1.20000	5.00700	1517.00000
.598	-3.970	-.03000	-.01000	-10.49000	.00000	-.04000	-.02000	4.96000	-1.16000	5.00100	1517.00000
.598	-2.960	-.02000	-.02000	-10.50000	.00000	-.04000	.00000	4.96000	-1.14000	5.00900	1518.00000
.598	-1.930	-.02000	-.01000	-10.48000	.00000	-.03000	-.01000	4.97000	-1.12000	5.00900	1518.00000
.598	-.890	-.02000	-.02000	-10.50000	.00000	-.04000	.00000	4.97000	-1.10000	5.00900	1518.00000
.598	.080	-.02000	-.02000	-10.49000	.00000	-.04000	.00000	4.97000	-1.08000	5.00900	1519.00000
.598	1.070	-.02000	-.01000	-10.49000	.00000	-.02000	-.01000	4.97000	-1.06000	5.00800	1519.00000
.598	2.080	-.01000	-.02000	-10.49000	.00000	-.03000	.01000	4.97000	-1.04000	5.00500	1520.00000
.598	3.100	-.02000	-.01000	-10.48000	.00000	-.02000	-.01000	4.97000	-1.03000	5.01100	1521.00000
.598	4.110	-.01000	.00000	-10.48000	.00000	-.01000	-.01000	4.96000	-1.01000	5.00100	1521.00000
.598	6.170	-.01000	-.01000	-10.50000	.00000	-.02000	.01000	4.97000	-.96000	5.00400	1522.00000
.598	8.200	.00000	-.01000	-10.50000	.00000	-.01000	.00000	4.97000	-.93000	4.99300	1522.00000
	GRADIENT	.00165	.00099	.00148	.00000	.00330	.00066	.00050	.01868	-.00005	.49569

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E195) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	-.020
RDBF =	-10.488	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 195/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-5.980	-.03000	.00000	-10.48000	.00000	-.03000	-.02000	10.04000	-1.19000	5.00900	1524.00000
.599	-3.980	-.03000	-.03000	-10.50000	.00000	-.05000	.00000	10.04000	-1.15000	5.00000	1525.00000
.599	-2.970	-.03000	-.03000	-10.50000	.00000	-.06000	.00000	10.04000	-1.13000	5.00100	1525.00000
.599	-1.960	-.03000	-.02000	-10.48000	.00000	-.05000	-.01000	10.03000	-1.12000	4.99800	1525.00000
.599	-.950	-.03000	-.02000	-10.48000	.00000	-.05000	-.01000	10.03000	-1.10000	4.99700	1526.00000
.599	.040	-.03000	-.02000	-10.48000	.00000	-.05000	-.01000	10.03000	-1.08000	5.00000	1526.00000
.599	1.040	-.02000	-.01000	-10.48000	.00000	-.03000	-.01000	10.02000	-1.06000	4.99600	1527.00000
.599	2.070	-.03000	-.01000	-10.48000	.00000	-.04000	-.01000	10.03000	-1.04000	5.00500	1527.00000
.599	3.090	-.03000	-.03000	-10.49000	.00000	-.05000	.00000	10.02000	-1.03000	5.00600	1528.00000
.599	4.120	-.02000	-.03000	-10.49000	.00000	-.05000	.00000	10.02000	-1.01000	4.99600	1528.00000
.599	6.190	-.02000	-.02000	-10.50000	.00000	-.04000	.00000	10.03000	-.96000	5.00000	1529.00000
.599	8.220	-.01000	-.02000	-10.50000	.00000	-.03000	.00000	10.02000	-.93000	5.00300	1529.00000
	GRADIENT	.00082	.00048	.00115	.00000	.00114	.00001	-.00247	.01748	.00020	.42883

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E196) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	-.011
RDBF =	-10.484	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 196/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-6.000	-.04000	-.01000	-10.48000	.00000	-.04000	-.03000	12.06000	-1.19000	4.99800	1531.00000
.599	-4.000	-.04000	-.01000	-10.48000	.00000	-.05000	-.03000	12.05000	-1.15000	4.99700	1532.00000
.599	-2.990	-.04000	-.02000	-10.50000	.00000	-.06000	-.02000	12.06000	-1.13000	4.99900	1532.00000
.599	-1.970	-.04000	-.02000	-10.49000	.00000	-.05000	-.02000	12.05000	-1.11000	4.98900	1533.00000
.599	-.960	-.04000	-.01000	-10.47000	.00000	-.05000	-.03000	12.05000	-1.10000	4.98900	1533.00000
.599	.050	-.04000	-.01000	-10.48000	.00000	-.05000	-.03000	12.05000	-1.08000	4.98700	1534.00000
.599	1.070	-.03000	-.01000	-10.49000	.00000	-.05000	-.02000	12.05000	-1.06000	4.99000	1534.00000
.599	2.090	-.04000	-.02000	-10.49000	.00000	-.05000	-.02000	12.05000	-1.04000	4.98500	1535.00000
.599	3.110	-.04000	-.01000	-10.49000	.00000	-.05000	-.02000	12.05000	-1.02000	4.99200	1535.00000
.599	4.140	-.03000	-.01000	-10.49000	.00000	-.04000	-.02000	12.05000	-1.01000	4.98000	1535.00000
.599	6.190	-.03000	.00000	-10.47000	.00000	-.03000	-.03000	12.04000	-.96000	4.98700	1536.00000
.599	8.250	-.03000	.00000	-10.48000	.00000	-.02000	-.03000	12.05000	-.93000	4.99700	1536.00000
	GRADIENT	.00082	.00049	-.00049	.00000	.00115	.00082	-.00049	.01754	-.00157	.42603

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E197) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.025
RDBF =	-10.511	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 197/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-2.020	.00000	.02000	-10.50000	.00000	.02000	-.03000	-2.01000	-1.08000	4.98600	1549.00000
.398	-.050	.00000	.02000	-10.50000	.00000	.02000	-.02000	-.04000	-1.08000	4.99600	1550.00000
.398	1.990	.01000	.02000	-10.51000	.00000	.03000	.00000	1.99000	-1.08000	4.99100	1551.00000
.398	4.000	.01000	.04000	-10.50000	.00000	.05000	-.02000	3.97000	-1.08000	5.00000	1551.00000
.398	5.970	.01000	.02000	-10.52000	.00000	.03000	-.01000	5.99000	-1.08000	4.99100	1552.00000
.398	8.040	.02000	.03000	-10.51000	.00000	.05000	-.02000	8.00000	-1.08000	5.00700	1553.00000
.398	10.000	.02000	.03000	-10.52000	.00000	.05000	-.01000	9.98000	-1.08000	5.00500	1553.00000
.398	11.030	.02000	.02000	-10.52000	.00000	.05000	.00000	11.03000	-1.08000	5.00300	1554.00000
.398	12.030	.02000	.03000	-10.52000	.00000	.05000	.00000	11.98000	-1.08000	5.00500	1554.00000
.398	13.050	.02000	.03000	-10.52000	.00000	.05000	.00000	13.04000	-1.08000	4.99700	1555.00000
.398	14.040	.03000	.03000	-10.51000	.00000	.05000	.00000	14.01000	-1.07000	4.99900	1555.00000
.398	15.050	.02000	.03000	-10.52000	.00000	.05000	-.01000	15.04000	-1.07000	4.99100	1556.00000
.398	16.020	-.01000	.07000	-10.50000	.00000	.06000	-.08000	16.01000	-1.07000	4.99500	1556.00000
.398	19.930	-.01000	-.04000	-10.51000	.00000	-.05000	.03000	19.98000	-1.06000	5.00200	1557.00000
	GRADIENT	.00199	.00299	-.00050	.00000	.00498	.00248	.99352	-.00000	.00183	.34800

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E198) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.014	RDA =	.024
RDBF =	-10.514	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 198/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-2.050	.03000	.00000	-10.51000	.00000	.03000	.03000	-2.01000	-1.05000	4.99600	1559.00000
.398	-.060	.03000	-.01000	-10.51000	.00000	.02000	.05000	.01000	-1.05000	4.99800	1559.00000
.398	1.900	.04000	.00000	-10.50000	.00000	.04000	.04000	1.93000	-1.05000	4.99600	1600.00000
.398	3.910	.04000	-.01000	-10.51000	.00000	.03000	.04000	3.91000	-1.05000	4.99500	1600.00000
.398	6.040	.04000	.00000	-10.51000	.00000	.05000	.04000	6.00000	-1.05000	5.00100	1601.00000
.398	8.090	.03000	.00000	-10.52000	.00000	.03000	.03000	7.99000	-1.05000	5.00400	1601.00000
.398	10.080	.02000	.01000	-10.51000	.00000	.04000	.01000	10.00000	-1.05000	5.00000	1602.00000
.398	11.100	.02000	.03000	-10.51000	.00000	.05000	-.02000	11.02000	-1.05000	4.99800	1602.00000
.398	12.090	.01000	.04000	-10.51000	.00000	.05000	-.03000	12.02000	-1.05000	4.99800	1603.00000
.398	13.070	.00000	.04000	-10.52000	.00000	.04000	-.04000	13.00000	-1.05000	4.99700	1604.00000
.398	14.080	.00000	.04000	-10.52000	.00000	.04000	-.05000	14.00000	-1.05000	5.00400	1604.00000
.398	15.070	-.01000	.05000	-10.52000	.00000	.05000	-.06000	15.02000	-1.05000	5.00600	1605.00000
.398	16.050	-.02000	.07000	-10.53000	.00000	.04000	-.09000	15.99000	-1.05000	5.00300	1605.00000
.398	19.980	-.04000	.08000	-10.52000	.00000	.04000	-.11000	20.01000	-1.04000	4.99800	1606.00000
	GRADIENT	.00201	-.00102	.00050	.00000	.00100	.00101	.99194	-.00000	-.00025	8.24928

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E199) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.022	RDA =	.013
RDBF =	-10.519	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 199/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.090	.02000	.01000	-10.52000	.00000	.02000	.01000	.02000	-1.16000	5.00900	1608.00000
.399	-4.080	.02000	.01000	-10.53000	.00000	.02000	.01000	.02000	-1.13000	5.00100	1608.00000
.399	-3.080	.02000	.01000	-10.51000	.00000	.03000	.00000	.01000	-1.12000	5.00600	1608.00000
.399	-2.050	.02000	.01000	-10.53000	.00000	.02000	.01000	.01000	-1.11000	5.01100	1609.00000
.399	-1.030	.02000	.02000	-10.51000	.00000	.03000	.00000	.01000	-1.09000	4.99900	1609.00000
.399	-.010	.02000	.03000	-10.51000	.00000	.05000	.00000	.02000	-1.08000	5.00200	1609.00000
.399	1.020	.02000	.01000	-10.52000	.00000	.03000	.02000	.02000	-1.06000	5.00100	1610.00000
.399	2.050	.02000	.02000	-10.51000	.00000	.05000	.00000	.02000	-1.05000	5.00100	1610.00000
.399	3.060	.03000	.01000	-10.52000	.00000	.03000	.02000	.02000	-1.04000	5.00800	1610.00000
.399	4.070	.02000	.01000	-10.51000	.00000	.04000	.01000	.02000	-1.03000	4.99800	1611.00000
.399	6.090	.03000	.01000	-10.53000	.00000	.04000	.01000	.02000	-1.00000	4.99700	1611.00000
.399	8.130	.03000	.01000	-10.53000	.00000	.04000	.01000	.03000	-.97000	5.00900	1611.00000
	GRADIENT	.00049	.00016	.00130	.00000	.00229	.00098	.00098	.01290	-.00039	.34278

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E200) (19 MAR 77)

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 1076.6800 IN. XO		
LREF	= 474.8100 IN.	YMRP	= .0000 IN. YO		
BREF	= 936.6800 IN.	ZMRP	= 375.0000 IN. ZO		
SCALE	= .0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.028
RDBF =	-10.522	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 200/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.020	.01000	.02000	-10.52000	.00000	.03000	-.01000	4.97000	-1.16000	5.00900	1613.00000
.399	-4.030	.01000	.03000	-10.51000	.00000	.04000	-.03000	4.97000	-1.14000	5.00400	1614.00000
.399	-3.010	.01000	.02000	-10.52000	.00000	.03000	-.01000	4.97000	-1.12000	5.00300	1614.00000
.399	-2.010	.01000	.02000	-10.52000	.00000	.03000	-.01000	4.97000	-1.11000	4.99200	1615.00000
.399	-1.010	.01000	.03000	-10.53000	.00000	.04000	-.01000	4.97000	-1.10000	5.01100	1615.00000
.399	.000	.02000	.04000	-10.52000	.00000	.05000	-.02000	4.94000	-1.08000	5.00100	1616.00000
.399	1.110	.01000	.03000	-10.51000	.00000	.04000	-.02000	4.94000	-1.07000	5.01100	1616.00000
.399	2.130	.02000	.03000	-10.53000	.00000	.05000	-.01000	4.94000	-1.05000	4.99400	1616.00000
.399	3.140	.02000	.03000	-10.52000	.00000	.04000	-.01000	4.94000	-1.04000	5.00400	1617.00000
.399	4.170	.02000	.03000	-10.53000	.00000	.05000	-.01000	4.94000	-1.03000	5.00600	1617.00000
.399	6.200	.02000	.03000	-10.53000	.00000	.04000	-.01000	4.94000	-1.00000	5.00700	1618.00000
.399	8.210	.02000	.03000	-10.53000	.00000	.05000	-.01000	4.94000	-.97000	4.99100	1618.00000
	GRADIENT	.00146	.00080	-.00129	.00000	.00178	.00113	-.00487	.01346	.00024	.38875

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E201) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	-.001
RDBF =	-10.522	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 201/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.398	-5.940	-.04000	.00000	-10.51000	.00000	-.04000	-.05000	10.00000	-1.15000	5.00600	1621.00000
.398	-3.950	-.04000	-.01000	-10.53000	.00000	-.05000	-.03000	10.01000	-1.13000	5.00300	1622.00000
.398	-2.950	-.04000	-.01000	-10.52000	.00000	-.05000	-.03000	10.00000	-1.12000	5.00000	1622.00000
.398	-1.940	-.04000	.01000	-10.52000	.00000	-.03000	-.05000	10.00000	-1.10000	5.00400	1622.00000
.398	-.950	-.03000	-.01000	-10.53000	.00000	-.04000	-.03000	10.00000	-1.09000	4.99600	1623.00000
.398	.040	-.03000	-.01000	-10.53000	.00000	-.04000	-.03000	10.00000	-1.08000	5.00900	1623.00000
.398	1.030	-.03000	.01000	-10.52000	.00000	-.03000	-.04000	10.00000	-1.07000	5.00300	1623.00000
.398	2.060	-.03000	.00000	-10.52000	.00000	-.04000	-.03000	10.00000	-1.06000	5.00300	1624.00000
.398	3.070	-.03000	.00000	-10.53000	.00000	-.04000	-.03000	9.99000	-1.04000	5.00000	1624.00000
.398	4.060	-.03000	.00000	-10.52000	.00000	-.03000	-.03000	9.99000	-1.03000	5.00200	1624.00000
.398	6.110	-.03000	.00000	-10.52000	.00000	-.02000	-.03000	10.00000	-1.00000	4.99600	1625.00000
.398	8.140	-.03000	.01000	-10.52000	.00000	-.02000	-.04000	10.00000	-.98000	5.00700	1625.00000
	GRADIENT	.00150	.00116	.00033	.00000	.00166	.00050	-.00183	.01232	.00001	.29969

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E202) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	.010
RDBF =	-10.525	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 202/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.397	-5.970	-.04000	.00000	-10.54000	.00000	-.04000	-.04000	12.01000	-1.15000	4.99600	1628.00000
.397	-3.970	-.04000	.01000	-10.52000	.00000	-.03000	-.05000	12.01000	-1.13000	5.01500	1628.00000
.397	-2.960	-.04000	.00000	-10.54000	.00000	-.04000	-.04000	12.00000	-1.11000	5.01000	1628.00000
.397	-1.950	-.04000	.01000	-10.52000	.00000	-.03000	-.05000	12.00000	-1.10000	5.00300	1629.00000
.397	-.940	-.04000	.02000	-10.52000	.00000	-.02000	-.05000	12.00000	-1.09000	5.00100	1629.00000
.397	.050	-.04000	.00000	-10.53000	.00000	-.04000	-.04000	12.00000	-1.08000	5.01100	1629.00000
.397	1.060	-.03000	.00000	-10.53000	.00000	-.03000	-.04000	12.00000	-1.07000	4.99700	1630.00000
.397	2.080	-.04000	.02000	-10.52000	.00000	-.02000	-.05000	12.00000	-1.05000	5.00600	1630.00000
.397	3.090	-.04000	.02000	-10.52000	.00000	-.02000	-.06000	12.00000	-1.04000	5.01400	1631.00000
.397	4.090	-.03000	.01000	-10.52000	.00000	-.02000	-.04000	11.99000	-1.03000	5.00100	1631.00000
.397	6.160	-.03000	.01000	-10.52000	.00000	-.02000	-.04000	11.99000	-1.00000	4.99100	1631.00000
.397	8.200	-.03000	.02000	-10.52000	.00000	-.01000	-.05000	11.99000	-.97000	5.00100	1632.00000
	GRADIENT	.00083	.00100	.00083	.00000	.00182	-.00017	-.00132	.01208	-.00069	.39711

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E203) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.017
RDBF =	-10.514	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 203/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-6.090	.00000	.04000	-10.52000	.00000	.04000	-.03000	4.97000	-1.23000	6.54500	1641.00000
.600	-4.070	.00000	.03000	-10.52000	.00000	.03000	-.02000	4.97000	-1.18000	6.53000	1641.00000
.600	-3.050	.01000	.03000	-10.52000	.00000	.03000	-.02000	4.97000	-1.16000	6.53800	1641.00000
.600	-2.040	.01000	.02000	-10.52000	.00000	.03000	-.02000	4.97000	-1.13000	6.54000	1642.00000
.600	-1.030	.01000	.02000	-10.52000	.00000	.03000	-.02000	4.96000	-1.11000	6.53100	1642.00000
.600	.000	.00000	.02000	-10.51000	.00000	.02000	-.02000	4.95000	-1.08000	6.52900	1643.00000
.600	1.100	.00000	.02000	-10.52000	.00000	.02000	-.02000	4.95000	-1.06000	6.52500	1643.00000
.600	2.160	.01000	.00000	-10.51000	.00000	.01000	.00000	4.95000	-1.03000	6.50200	1645.00000
.600	3.160	.01000	.00000	-10.51000	.00000	.01000	.01000	4.95000	-1.01000	6.50100	1646.00000
.600	4.190	.01000	.00000	-10.51000	.00000	.02000	.01000	4.95000	-.98000	6.50100	1646.00000
.600	6.260	.02000	.00000	-10.51000	.00000	.02000	.02000	4.96000	-.92000	6.49500	1646.00000
.600	8.290	.03000	.02000	-10.50000	.00000	.05000	.01000	4.96000	-.87000	6.49000	1647.00000
	GRADIENT	.00048	-.00402	.00145	.00000	-.00242	.00403	-.00305	.02411	-.00499	.67590

ARC 213-1-11 LA89 OV 101 WITH T/C (S2E204) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.017	RDA =	-.012
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 204/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.701	-6.110	.02000	-.03000	-10.49000	.00000	-.01000	.04000	4.97000	-1.25000	6.49000	1655.00000
.701	-4.100	.01000	-.01000	-10.47000	.00000	.00000	.03000	4.97000	-1.20000	6.49500	1655.00000
.701	-3.060	.02000	-.02000	-10.47000	.00000	.00000	.04000	4.96000	-1.17000	6.49000	1655.00000
.701	-2.040	.03000	-.04000	-10.49000	.00000	-.01000	.06000	4.96000	-1.14000	6.49800	1656.00000
.701	-1.030	.02000	-.03000	-10.47000	.00000	-.01000	.05000	4.95000	-1.12000	6.49600	1656.00000
.701	.000	.02000	-.03000	-10.49000	.00000	-.01000	.05000	4.95000	-1.08000	6.49100	1656.00000
.701	1.080	.03000	-.03000	-10.48000	.00000	.00000	.06000	4.96000	-1.05000	6.48700	1657.00000
.701	2.160	.01000	.01000	-10.49000	.00000	.01000	.00000	4.96000	-1.02000	6.48800	1657.00000
.701	3.140	.01000	.02000	-10.43000	.00000	.03000	-.01000	4.95000	-.99000	6.48100	1657.00000
.701	4.210	.01000	.00000	-10.48000	.00000	.01000	.00000	4.95000	-.96000	6.47800	1658.00000
.701	6.280	.01000	.01000	-10.50000	.00000	.02000	.01000	4.96000	-.90000	6.48200	1658.00000
.701	8.320	.01000	.01000	-10.50000	.00000	.02000	.00000	4.95000	-.84000	6.47200	1659.00000
	GRADIENT	-.00097	.00420	-.00176	.00000	.00290	-.00613	-.00159	.02903	-.00199	.33705

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E205) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.016
RDBF =	-11.886	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 205/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-1.940	-.01000	.02000	-11.87000	.00000	.02000	-.03000	-2.00000	-1.08000	4.97800	2022.00000
.399	.080	.00000	.01000	-11.88000	.00000	.01000	-.01000	-.01000	-1.08000	4.97600	2022.00000
.399	2.050	.00000	.01000	-11.88000	.00000	.01000	.00000	1.98000	-1.08000	4.99300	2023.00000
.399	4.040	.00000	.01000	-11.88000	.00000	.01000	-.01000	3.96000	-1.08000	4.99400	2023.00000
.399	6.010	.00000	.01000	-11.89000	.00000	.01000	-.01000	5.96000	-1.08000	4.98100	2024.00000
.399	8.070	.00000	.03000	-11.87000	.00000	.03000	-.03000	7.98000	-1.08000	4.98800	2025.00000
.399	10.070	.00000	.02000	-11.87000	.00000	.02000	-.03000	10.00000	-1.08000	4.97400	2025.00000
.399	11.090	.00000	.01000	-11.88000	.00000	.01000	-.01000	11.01000	-1.08000	4.98000	2026.00000
.399	12.090	.00000	.01000	-11.89000	.00000	.01000	-.01000	12.02000	-1.08000	4.97400	2026.00000
.399	13.120	.00000	.01000	-11.88000	.00000	.01000	-.02000	13.00000	-1.08000	4.98400	2027.00000
.399	14.110	.00000	.01000	-11.89000	.00000	.01000	-.01000	14.04000	-1.08000	4.97700	2027.00000
.399	15.100	.00000	.01000	-11.90000	.00000	.02000	-.01000	15.03000	-1.07000	4.97900	2027.00000
.399	16.110	.00000	.01000	-11.89000	.00000	.02000	-.01000	16.03000	-1.07000	4.97600	2028.00000
.399	20.060	-.05000	.06000	-11.94000	.00000	.01000	-.12000	19.97000	-1.06000	4.96000	2029.00000
	GRADIENT	.00151	-.00151	-.00151	.00000	-.00151	.00353	.99797	-.00000	.00326	.20054

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E206) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.008	RDA =	-.004
RDBF =	-11.919	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 206/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-6.020	-.06000	.05000	-11.92000	.00000	-.01000	-.11000	4.98000	-1.16000	5.00100	2032.00000
.399	-4.020	-.06000	.05000	-11.92000	.00000	-.01000	-.11000	4.97000	-1.13000	4.99700	2033.00000
.399	-3.010	-.06000	.05000	-11.92000	.00000	-.01000	-.11000	4.97000	-1.12000	4.97400	2033.00000
.399	-2.010	.03000	-.03000	-11.92000	.00000	.00000	.07000	4.97000	-1.11000	4.98400	2034.00000
.399	-1.010	.03000	-.02000	-11.91000	.00000	.00000	.05000	4.97000	-1.10000	4.98200	2035.00000
.399	-.010	.03000	-.03000	-11.92000	.00000	.01000	.06000	4.97000	-1.08000	4.99200	2035.00000
.399	1.160	.04000	-.04000	-11.93000	.00000	.00000	.07000	4.97000	-1.07000	4.99800	2036.00000
.399	2.150	.03000	-.02000	-11.91000	.00000	.02000	.05000	4.97000	-1.06000	4.98000	2036.00000
.399	3.140	.03000	-.03000	-11.92000	.00000	.00000	.06000	4.98000	-1.05000	4.98700	2037.00000
.399	4.170	.04000	-.03000	-11.93000	.00000	.00000	.07000	4.98000	-1.03000	4.98700	2037.00000
.399	6.190	.04000	-.01000	-11.91000	.00000	.03000	.05000	4.98000	-1.01000	4.98500	2037.00000
.399	8.220	.04000	-.02000	-11.92000	.00000	.02000	.06000	4.98000	-.98000	4.97600	2038.00000
	GRADIENT	.01097	-.00903	-.00066	.00000	.00177	.01950	.00113	.01199	.00012	.53477

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E207) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.038	RDA =	-.026
RDBF =	-11.921	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 207/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.399	-5.940	.04000	-.03000	-11.93000	.00000	.01000	.07000	10.03000	-1.15000	4.99300	2040.00000
.399	-3.950	.04000	-.03000	-11.93000	.00000	.00000	.07000	10.02000	-1.13000	4.99400	2041.00000
.399	-2.950	.04000	-.03000	-11.92000	.00000	.00000	.07000	10.02000	-1.12000	4.97900	2041.00000
.399	-1.940	.03000	-.03000	-11.92000	.00000	.00000	.07000	10.02000	-1.10000	4.99200	2041.00000
.399	-.940	.03000	-.02000	-11.91000	.00000	.01000	.05000	10.01000	-1.09000	4.99100	2042.00000
.399	.050	.04000	-.04000	-11.93000	.00000	.00000	.07000	10.02000	-1.08000	4.98000	2042.00000
.399	1.040	.04000	-.02000	-11.91000	.00000	.02000	.05000	10.01000	-1.07000	4.97900	2042.00000
.399	2.050	.04000	-.04000	-11.93000	.00000	.00000	.07000	10.01000	-1.06000	4.98200	2043.00000
.399	3.060	.04000	-.02000	-11.91000	.00000	.02000	.05000	10.01000	-1.05000	4.98700	2043.00000
.399	4.100	.03000	-.03000	-11.92000	.00000	.00000	.06000	10.01000	-1.03000	4.97700	2044.00000
.399	6.130	.04000	-.02000	-11.92000	.00000	.01000	.06000	10.01000	-1.01000	4.98100	2044.00000
.399	8.170	.04000	-.01000	-11.92000	.00000	.03000	.06000	10.01000	-.98000	4.98700	2044.00000
	GRADIENT	-.00017	.00017	.00083	.00000	.00115	-.00166	-.00149	.01180	-.00126	.36587

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E208) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.033 RDA = .021
RDBF = -11.994 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 6.500
GRIT = 1.000

RUN NO. 208/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-1.940	-.03000	-.01000	-11.91000	.00000	-.04000	-.01000	-2.01000	-1.08000	6.50400	2056.00000
.600	.100	-.02000	.00000	-11.91000	.00000	-.02000	-.02000	.01000	-1.08000	6.50600	2056.00000
.600	2.110	-.02000	.00000	-11.90000	.00000	-.02000	-.02000	2.04000	-1.08000	6.50100	2057.00000
.600	4.100	-.02000	.01000	-11.89000	.00000	-.01000	-.03000	3.98000	-1.08000	6.49800	2057.00000
.600	6.070	-.02000	.01000	-11.90000	.00000	.00000	-.03000	6.01000	-1.08000	6.49500	2057.00000
.600	8.140	-.03000	.01000	-11.90000	.00000	-.02000	-.03000	8.02000	-1.08000	6.48800	2058.00000
.600	10.140	-.04000	.03000	-11.90000	.00000	.00000	-.07000	10.04000	-1.08000	6.49200	2058.00000
.600	11.130	-.04000	.04000	-11.89000	.00000	-.01000	-.08000	11.04000	-1.08000	6.48700	2059.00000
.600	12.150	-.04000	.05000	-11.90000	.00000	.00000	-.09000	12.03000	-1.08000	6.49000	2059.00000
.600	13.150	-.04000	.06000	-11.91000	.00000	.01000	-.10000	13.03000	-1.08000	6.48100	2100.00000
.600	14.150	-.02000	.01000	-11.93000	.00000	-.01000	-.03000	14.06000	-1.08000	6.48000	2100.00000
.600	15.180	-.03000	.01000	-11.94000	.00000	-.02000	-.04000	15.10000	-1.07000	6.48100	2101.00000
.600	16.160	-.09000	.01000	-11.97000	.00000	-.08000	-.10000	16.09000	-1.07000	6.48100	2101.00000
.600	18.170	-.01000	.00000	-12.17000	.00000	-.01000	-.01000	18.12000	-1.07000	6.48200	2106.00000
.600	20.110	-.14000	-.02000	-12.18000	.00000	-.16000	-.12000	20.06000	-1.06000	6.47400	2102.00000
	GRADIENT	.00150	.00298	.00347	.00000	.00448	-.00298	.99356	-.00000	-.00114	.19865

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E209) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.050
RDBF =	-11.811	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 209/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-6.070	.00000	.04000	-11.82000	.00000	.04000	-.05000	5.01000	-1.22000	6.49000	2114.00000
.600	-4.070	.00000	.05000	-11.82000	.00000	.06000	-.05000	5.00000	-1.18000	6.48900	2114.00000
.600	-3.050	.00000	.05000	-11.82000	.00000	.05000	-.04000	5.00000	-1.16000	6.48600	2115.00000
.600	-2.030	.01000	.06000	-11.81000	.00000	.06000	-.05000	5.00000	-1.13000	6.48600	2115.00000
.600	-1.010	.01000	.05000	-11.81000	.00000	.06000	-.05000	5.00000	-1.11000	6.49700	2115.00000
.600	-.010	.01000	.05000	-11.81000	.00000	.06000	-.05000	4.98000	-1.08000	6.48000	2116.00000
.600	1.150	.00000	.05000	-11.80000	.00000	.05000	-.05000	4.98000	-1.06000	6.48800	2117.00000
.600	2.140	.00000	.05000	-11.80000	.00000	.05000	-.05000	4.99000	-1.03000	6.49000	2117.00000
.600	3.160	.01000	.05000	-11.80000	.00000	.05000	-.04000	4.99000	-1.01000	6.48900	2117.00000
.600	4.200	.01000	.04000	-11.82000	.00000	.05000	-.03000	4.99000	-.99000	6.48700	2118.00000
.600	6.250	.01000	.05000	-11.81000	.00000	.06000	-.03000	5.00000	-.94000	6.48100	2118.00000
.600	8.300	.02000	.05000	-11.81000	.00000	.07000	-.04000	5.00000	-.89000	6.48400	2118.00000
	GRADIENT	.00063	-.00097	.00145	.00000	-.00114	.00129	-.00177	.02346	.00000	.45078

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E210) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.003	RDA =	.035
RDBF =	-11.804	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 210/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-6.010	.00000	.05000	-11.80000	.00000	.04000	-.05000	10.07000	-1.21000	6.51600	2123.00000
.601	-4.000	.00000	.03000	-11.80000	.00000	.04000	-.03000	10.06000	-1.17000	6.51300	2123.00000
.601	-2.990	.00000	.03000	-11.80000	.00000	.03000	-.03000	10.06000	-1.15000	6.50300	2123.00000
.601	-1.980	.00000	.03000	-11.80000	.00000	.03000	-.03000	10.06000	-1.13000	6.51100	2124.00000
.601	-.970	.00000	.03000	-11.81000	.00000	.03000	-.03000	10.06000	-1.11000	6.50600	2124.00000
.601	.030	.00000	.03000	-11.80000	.00000	.03000	-.03000	10.06000	-1.08000	6.50300	2124.00000
.601	1.030	.00000	.03000	-11.80000	.00000	.03000	-.03000	10.06000	-1.06000	6.50800	2125.00000
.601	2.060	.00000	.03000	-11.81000	.00000	.04000	-.03000	10.06000	-1.03000	6.50000	2125.00000
.601	3.090	.00000	.03000	-11.82000	.00000	.03000	-.03000	10.06000	-1.01000	6.50800	2125.00000
.601	4.130	.00000	.04000	-11.81000	.00000	.04000	-.04000	10.06000	-.99000	6.51000	2126.00000
.601	6.200	.01000	.03000	-11.80000	.00000	.04000	-.03000	10.06000	-.94000	6.50000	2126.00000
.601	8.240	.01000	.04000	-11.80000	.00000	.05000	-.03000	10.06000	-.89000	6.50500	2126.00000
	GRADIENT	.00000	.00066	-.00181	.00000	.00033	-.00066	-.00000	.02285	-.00028	.34520

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E211) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.028
RDBF =	-.011	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500
GRIT =	1.000		

RUN NO. 211/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-1.920	-.01000	.01000	-.01000	.00000	.00000	-.01000	-1.98000	-1.08000	6.51100	2129.00000
.601	.040	.00000	.01000	.00000	.00000	.01000	-.01000	-.07000	-1.08000	6.51500	2130.00000
.601	2.080	.01000	.01000	-.01000	.00000	.01000	.00000	2.01000	-1.08000	6.50400	2130.00000
.601	4.150	.02000	.03000	.00000	.00000	.05000	.00000	4.06000	-1.08000	6.50700	2131.00000
.601	6.080	.02000	.03000	.01000	.00000	.05000	-.01000	5.97000	-1.08000	6.49900	2132.00000
.601	8.100	.01000	.02000	.02000	.00000	.03000	-.01000	7.97000	-1.08000	6.49900	2132.00000
.601	10.150	.00000	.03000	.01000	.00000	.03000	-.03000	10.05000	-1.08000	6.50000	2133.00000
.601	11.110	.00000	.03000	-.01000	.00000	.03000	-.04000	11.01000	-1.08000	6.49800	2133.00000
.601	12.170	-.01000	.05000	-.01000	.00000	.04000	-.05000	12.06000	-1.08000	6.50200	2134.00000
.601	13.160	-.02000	.04000	-.01000	.00000	.02000	-.06000	13.03000	-1.08000	6.49400	2134.00000
.601	14.140	-.05000	.05000	-.03000	.00000	.00000	-.10000	14.02000	-1.08000	6.49800	2134.00000
.601	15.130	-.18000	.12000	-.02000	.00000	-.06000	-.30000	15.05000	-1.07000	6.49100	2135.00000
.601	16.140	-.04000	.01000	-.03000	.00000	-.03000	-.04000	16.07000	-1.07000	6.49100	2136.00000
.601	20.110	.06000	.02000	-.07000	.00000	.07000	.04000	20.04000	-1.06000	6.49500	2136.00000
	GRADIENT	.00494	.00299	.00098	.00000	.00744	.00198	.99759	-.00000	-.00114	.29601

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E212) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.015
RDBF =	-.020	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500
GRIT =	1.000		

RUN NO. 212/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-6.010	-.07000	.01000	-.04000	.00000	-.06000	-.07000	10.04000	-1.21000	6.49200	2140.00000
.601	-4.000	-.06000	.01000	-.03000	.00000	-.06000	-.07000	10.04000	-1.17000	6.49600	2141.00000
.601	-2.990	-.06000	.02000	-.02000	.00000	-.03000	-.08000	10.04000	-1.15000	6.49100	2141.00000
.601	-1.980	-.05000	.01000	-.03000	.00000	-.04000	-.07000	10.04000	-1.13000	6.48500	2141.00000
.601	-.970	-.06000	.01000	-.02000	.00000	-.05000	-.07000	10.04000	-1.10000	6.49100	2142.00000
.601	.030	-.05000	.03000	-.01000	.00000	-.03000	-.08000	10.04000	-1.08000	6.49500	2142.00000
.601	1.040	-.05000	.02000	-.01000	.00000	-.03000	-.07000	10.03000	-1.06000	6.48800	2142.00000
.601	2.080	-.05000	.01000	-.03000	.00000	-.04000	-.06000	10.03000	-1.03000	6.49600	2143.00000
.601	3.090	-.05000	.01000	-.02000	.00000	-.04000	-.06000	10.03000	-1.01000	6.48500	2143.00000
.601	4.120	-.05000	.01000	-.02000	.00000	-.04000	-.06000	10.03000	-.99000	6.49700	2143.00000
.601	6.190	-.05000	.02000	-.01000	.00000	-.03000	-.07000	10.03000	-.94000	6.50100	2144.00000
.601	8.250	-.05000	.02000	-.01000	.00000	-.02000	-.07000	10.03000	-.90000	6.50100	2144.00000
	GRADIENT	.00131	-.00034	.00081	.00000	.00114	.00198	-.00164	.02268	.00008	.29588

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E213) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.019
RDBF =	-11.906	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 213/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.702	-1.920	.01000	-.03000	-11.88000	.00000	-.02000	.04000	-1.97000	-1.08000	6.52800	2155.00000
.702	.130	.03000	-.01000	-11.87000	.00000	.01000	.04000	.03000	-1.08000	6.51700	2155.00000
.702	2.090	.03000	-.01000	-11.87000	.00000	.02000	.04000	2.00000	-1.08000	6.52400	2156.00000
.702	4.100	.03000	-.02000	-11.87000	.00000	.01000	.05000	4.00000	-1.08000	6.51100	2156.00000
.702	6.110	.03000	-.01000	-11.87000	.00000	.03000	.04000	6.01000	-1.08000	6.52100	2156.00000
.702	8.160	.03000	-.01000	-11.88000	.00000	.02000	.05000	8.03000	-1.08000	6.50600	2157.00000
.702	10.180	.03000	.01000	-11.87000	.00000	.04000	.02000	10.07000	-1.08000	6.50900	2157.00000
.702	11.140	.00000	.02000	-11.89000	.00000	.03000	-.02000	11.05000	-1.08000	6.51600	2158.00000
.702	12.180	-.02000	.05000	-11.89000	.00000	.03000	-.06000	12.09000	-1.08000	6.49300	2158.00000
.702	13.180	-.07000	.05000	-11.92000	.00000	-.02000	-.12000	13.05000	-1.08000	6.50200	2158.00000
.702	14.170	.01000	.02000	-11.97000	.00000	.03000	.00000	14.07000	-1.08000	6.50100	2159.00000
.702	15.170	-.04000	.05000	-12.03000	.00000	.01000	-.08000	15.09000	-1.07000	6.49500	2200.00000
.702	16.190	-.21000	.17000	-12.10000	.00000	-.04000	-.37000	16.12000	-1.07000	6.49200	2200.00000
	20.160	.00000	.01000	-11.91000	.00000	.00000	-.01000	20.12000	-1.06000	6.48800	2202.00000
	GRADIENT	.00301	.00152	.00151	.00000	.00501	.00150	.99296	.00000	-.00221	.19908

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E214) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .019 RDA = -.004
RDBF = -11.748 ALPHA = 10.000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 6.500
GRIT = 1.000

RUN NO. 214/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ELEVON	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.702	-6.020	.02000	.01000	-11.75000	.00000	.02000	.01000	10.08000	-1.23000	6.52200	2207.00000
.702	-4.010	.02000	.01000	-11.74000	.00000	.03000	.01000	10.08000	-1.19000	6.52100	2207.00000
.702	-3.010	.02000	.00000	-11.74000	.00000	.02000	.01000	10.08000	-1.16000	6.51700	2207.00000
.702	-1.990	.02000	.00000	-11.75000	.00000	.03000	.02000	10.08000	-1.13000	6.51800	2208.00000
.702	-.980	.02000	.00000	-11.74000	.00000	.01000	.02000	10.07000	-1.11000	6.51600	2208.00000
.702	.030	.02000	-.01000	-11.75000	.00000	.02000	.03000	10.07000	-1.08000	6.51600	2208.00000
.702	1.050	.02000	.00000	-11.74000	.00000	.02000	.02000	10.06000	-1.06000	6.51400	2209.00000
.702	2.080	.02000	-.01000	-11.74000	.00000	.01000	.03000	10.05000	-1.03000	6.51100	2209.00000
.702	3.120	.01000	-.02000	-11.75000	.00000	-.01000	.03000	10.06000	-1.00000	6.51000	2210.00000
.702	4.140	.02000	-.01000	-11.75000	.00000	.01000	.04000	10.05000	-.98000	6.50200	2210.00000
.702	6.220	.02000	-.01000	-11.75000	.00000	.00000	.03000	10.06000	-.92000	6.50500	2210.00000
.702	8.260	.02000	-.01000	-11.76000	.00000	.01000	.03000	10.04000	-.87000	6.50400	2211.00000
	GRADIENT	-.00049	-.00262	-.00082	.00000	-.00327	.00327	-.00409	.02567	-.00185	.39264

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E215) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .015 RDA = .000
ALPHA = 10.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 6.500 GRIT = 1.000

RUN NO. 215/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-11.760	.03000	.02000	-.01000	.00000	.01000	.03000	10.05000	-1.08000	6.50100	2221.00000
.601	-6.100	.03000	.02000	-.01000	.00000	.01000	.03000	10.05000	-1.08000	6.49900	2222.00000
.601	-3.870	.03000	.01000	-.01000	.00000	.00000	.03000	10.05000	-1.08000	6.49400	2223.00000
.601	-1.980	.03000	.01000	.00000	.00000	.00000	.01000	10.05000	-1.08000	6.50100	2223.00000
.601	.010	.03000	.01000	-.00000	.00000	.01000	.01000	10.05000	-1.08000	6.49700	2224.00000
.601	3.870	.03000	.01000	-.01000	.00000	.00000	.03000	10.06000	-1.08000	6.51100	2225.00000
.601	8.070	.02000	.03000	.00000	.00000	.03000	.03000	10.02000	-1.08000	6.49900	2226.00000
.601	16.450	.02000	.01000	.04000	.00000	.05000	-.03000	10.02000	-1.08000	6.49400	2227.00000
	GRADIENT	-.00000	-.00000	-.00030	.00000	.00015	.00060	.00133	.00000	.00198	.28044

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E216) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-10.186	RDA =	.289
ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 216/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.601	-11.650	.03000	-10.18000	.27000	.00000	-9.91000	-10.45000	9.80000	-1.08000	6.50000	2230.00000
.601	-5.950	.03000	-10.18000	.28000	.00000	-9.90000	-10.45000	10.14000	-1.08000	6.50100	2231.00000
.601	-3.740	.03000	-10.18000	.28000	.00000	-9.90000	-10.45000	10.15000	-1.08000	6.49000	2232.00000
.601	-1.820	.03000	-10.18000	.29000	.00000	-9.89000	-10.47000	10.15000	-1.08000	6.50200	2232.00000
.601	-.010	.03000	-10.18000	.28000	.00000	-9.90000	-10.47000	10.12000	-1.08000	6.49600	2232.00000
.601	3.910	.03000	-10.17000	.29000	.00000	-9.88000	-10.47000	10.08000	-1.08000	6.50300	2233.00000
.601	8.060	.03000	-10.17000	.28000	.00000	-9.90000	-10.45000	10.08000	-1.08000	6.49600	2234.00000
.601	16.330	.03000	-10.21000	.31000	.00000	-9.89000	-10.52000	10.10000	-1.08000	6.49500	2234.00000
.601	21.120	.03000	-10.22000	.32000	.00000	-9.96000	-10.55000	10.05000	-1.08000	6.49700	2235.00000
	GRADIENT	-.00000	.00136	.00092	.00000	.00227	.00208	-.00987	-.00000	.00131	.13559

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E217) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	10.101	RDA =	-.085
ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 217/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	BETA	ELEVON	AILRON	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-11.960	.02000	10.10000	-.08000	.00000	10.02000	10.19000	9.96000	-1.08000	6.48900	2237.00000
.599	-6.110	.02000	10.10000	-.09000	.00000	10.01000	10.19000	9.96000	-1.08000	6.50100	2238.00000
.599	-4.120	.02000	10.10000	-.08000	.00000	10.02000	10.18000	9.96000	-1.08000	6.50300	2238.00000
.599	-2.070	.02000	10.10000	-.08000	.00000	10.02000	10.18000	9.96000	-1.08000	6.49000	2238.00000
.599	.160	.02000	10.11000	-.08000	.00000	10.02000	10.19000	9.96000	-1.08000	6.50500	2239.00000
.599	3.960	.02000	10.10000	-.09000	.00000	10.02000	10.19000	9.96000	-1.08000	6.49600	2240.00000
.599	5.970	.02000	10.10000	-.08000	.00000	10.02000	10.18000	9.93000	-1.08000	6.50400	2240.00000
.599	8.010	.02000	10.10000	-.09000	.00000	10.01000	10.19000	9.92000	-1.08000	6.49300	2241.00000
.599	13.080	.02000	10.10000	-.09000	.00000	10.01000	10.19000	9.93000	-1.08000	6.49000	2241.00000
.599	16.500	.02000	10.10000	-.09000	.00000	10.01000	10.19000	9.94000	-1.08000	6.49300	2242.00000
.599	21.030	.02000	10.10000	-.09000	.00000	10.01000	10.19000	9.88000	-1.08000	6.48300	2242.00000
	GRADIENT	.00000	.00019	-.00125	.00000	.00000	.00144	.00000	.00000	-.00027	.26835

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E218) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 16.337 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = 16.300 RN/L = 6.500
GRIT = 1.000

RUN NO. 218/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	BETA	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-14.850	.03000	.12000	16.34000	.00000	-14.73000	-14.97000	10.10000	-1.08000	6.50200	2246.00000
.600	-9.880	.03000	.06000	16.35000	.00000	-9.82000	-9.94000	10.07000	-1.08000	6.49700	2247.00000
.600	-5.800	.03000	-.11000	16.35000	.00000	-5.90000	-5.69000	10.05000	-1.08000	6.49400	2247.00000
.600	-3.950	.03000	-.08000	16.32000	.00000	-4.03000	-3.87000	10.04000	-1.08000	6.50200	2249.00000
.600	-1.800	.03000	-.22000	16.34000	.00000	-2.02000	-1.59000	10.01000	-1.08000	6.49900	2250.00000
.600	-.080	.03000	-.31000	16.33000	.00000	-.39000	.23000	9.98000	-1.08000	6.49700	2251.00000
.600	2.170	.03000	-.33000	16.33000	.00000	1.84000	2.50000	9.98000	-1.08000	6.50000	2252.00000
.600	4.360	.03000	-.31000	16.33000	.00000	4.04000	4.67000	9.96000	-1.08000	6.49600	2252.00000
.600	7.290	.02000	-.36000	16.33000	.00000	6.93000	7.64000	9.93000	-1.08000	6.49700	2253.00000
.600	10.560	.02000	-.58000	16.35000	.00000	9.98000	11.14000	9.91000	-1.08000	6.48600	2253.00000
.600	15.680	.02000	-.62000	16.34000	.00000	15.06000	16.29000	9.86000	-1.09000	6.49600	2254.00000
	GRADIENT	.00000	-.02722	.00051	.00000	.97173	1.02767	-.00914	-.00000	-.00053	.38546

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E219) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .175 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500
GRIT = 1.000

RUN NO. 219/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	BETA	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.600	-15.050	.03000	.01000	.17000	.00000	-15.04000	-15.06000	10.13000	-1.08000	6.49500	2257.00000
.600	-9.940	.03000	.07000	.18000	.00000	-9.86000	-10.01000	10.10000	-1.08000	6.49900	2257.00000
.600	-7.110	.03000	.06000	.18000	.00000	-7.05000	-7.17000	10.08000	-1.08000	6.49200	2258.00000
.600	-4.030	.03000	-.04000	.19000	.00000	-4.07000	-3.98000	10.06000	-1.08000	6.49500	2258.00000
.600	-1.840	.03000	-.14000	.18000	.00000	-1.97000	-1.70000	10.04000	-1.08000	6.48900	2259.00000
.600	.190	.03000	-.14000	.19000	.00000	.05000	.33000	10.01000	-1.08000	6.50700	2259.00000
.600	2.320	.03000	-.30000	.17000	.00000	2.01000	2.62000	10.01000	-1.08000	6.49000	2300.00000
.600	4.390	.03000	-.46000	.17000	.00000	3.93000	4.85000	10.00000	-1.08000	6.50300	2300.00000
.600	7.290	.02000	-.41000	.18000	.00000	6.88000	7.70000	9.96000	-1.08000	6.50000	2301.00000
.600	10.360	.02000	-.43000	.16000	.00000	9.93000	10.78000	9.93000	-1.08000	6.49100	2301.00000
.600	15.710	.02000	-.60000	.15000	.00000	15.11000	16.31000	9.89000	-1.09000	6.49500	2302.00000
	GRADIENT	-.00000	-.04763	-.00239	.00000	.95143	1.04667	-.00714	.00000	.00079	5.95067

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (S2E220) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-11.700	ALPHA =	10.000
BETA =	.000	SPOBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 220/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	BETA	AILRON	BDFLAP	RUDDER	ELEV-L	ELEV-R	ALPHA2	BETA2	RN/L	TIME
.599	-14.910	.04000	.17000	-11.68000	.00000	-14.74000	-15.07000	10.17000	-1.08000	6.48700	2303.00000
.599	-10.030	.04000	-.08000	-11.70000	.00000	-10.11000	-9.95000	10.11000	-1.08000	6.49200	2304.00000
.599	-6.960	.03000	-.15000	-11.68000	.00000	-7.11000	-6.81000	10.10000	-1.08000	6.50200	2304.00000
.599	-3.950	.03000	-.20000	-11.70000	.00000	-4.15000	-3.75000	10.07000	-1.08000	6.49800	2305.00000
.599	-1.720	.03000	-.17000	-11.69000	.00000	-1.89000	-1.56000	10.06000	-1.08000	6.49300	2305.00000
.599	.200	.03000	-.20000	-11.69000	.00000	.00000	.39000	10.03000	-1.08000	6.49800	2306.00000
.599	2.240	.03000	-.25000	-11.69000	.00000	1.99000	2.49000	10.02000	-1.08000	6.49800	2306.00000
.599	4.320	.03000	-.41000	-11.70000	.00000	3.92000	4.73000	10.00000	-1.08000	6.50100	2307.00000
.599	7.440	.02000	-.50000	-11.69000	.00000	6.94000	7.94000	9.98000	-1.08000	6.49900	2308.00000
.599	10.640	.02000	-.60000	-11.71000	.00000	10.04000	11.24000	9.96000	-1.08000	6.50100	2308.00000
.599	15.610	.02000	-.70000	-11.72000	.00000	14.90000	16.31000	9.91000	-1.09000	6.50700	2309.00000
	GRADIENT	.00000	-.02428	.00002	.00000	.97673	1.02474	-.00876	.00000	.00052	.24279

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E022) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.067	RDA =	-.003
RDBF =	-10.880	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 22/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-2.210	3793.00000	2858.00000	83.00000	40.80000	.19060	.19980	.20990	.20590	.20700	.21180
.649	-.020	3792.00000	2863.00000	83.20000	41.30000	.19330	.20300	.20300	.19220	.19690	.20660
.649	2.190	3793.00000	2865.00000	83.50000	41.60000	.19530	.20100	.20080	.19530	.20140	.20380
.649	4.400	3795.00000	2862.00000	83.50000	41.50000	.19340	.20010	.20260	.19910	.19990	.20600
.649	6.680	3794.00000	2860.00000	83.50000	41.40000	.20430	.20390	.20360	.20580	.20490	.20260
.649	8.950	3793.00000	2862.00000	84.00000	41.90000	.21260	.21160	.20420	.21180	.21180	.21470
.649	11.220	3793.00000	2863.00000	84.00000	42.00000	.21710	.22360	.20840	.22440	.22510	.21900
.649	12.360	3794.00000	2860.00000	84.10000	41.90000	.22370	.22540	.21510	.22350	.21990	.22860
.649	13.450	3793.00000	2865.00000	84.40000	42.50000	.21870	.22250	.21370	.21430	.21110	.22150
.649	14.560	3794.00000	2864.00000	84.70000	42.70000	.21130	.21260	.21430	.21320	.21200	.21680
.649	15.660	3794.00000	2864.00000	84.80000	42.70000	.21690	.21690	.21580	.21160	.21270	.21730
.649	16.790	3794.00000	2863.00000	85.00000	42.90000	.21330	.20930	.21690	.20720	.20990	.21140
.649	17.920	3795.00000	2862.00000	85.20000	43.00000	.20600	.21250	.21650	.21210	.21060	.21550
	GRADIENT	.31826	.63364	.08164	.10878	.00047	-.00005	-.00109	-.00078	-.00076	-.00092

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E023) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.076	RDA =	-.028
RDBF =	-10.869	BETA =	-2.000
ELEVON =	.000	SPDBRK =	11.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	.000		

RUN NO. 23/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.130	3793.00000	2861.00000	85.30000	43.10000	.18350	.20750	.20590	.19240	.20020	.21600
.648	.020	3793.00000	2864.00000	85.60000	43.50000	.18480	.19540	.20130	.18740	.19500	.20680
.648	2.260	3792.00000	2863.00000	85.60000	43.60000	.18580	.19490	.19870	.18520	.19260	.20590
.648	4.530	3792.00000	2863.00000	85.80000	43.60000	.18740	.19210	.19420	.19440	.19230	.19270
.648	6.800	3793.00000	2863.00000	85.90000	43.80000	.18410	.17900	.17860	.17960	.18890	.18620
.648	9.070	3792.00000	2863.00000	86.10000	44.00000	.19250	.19910	.19610	.21370	.20650	.20710
.648	10.200	3792.00000	2865.00000	86.10000	44.10000	.20310	.22750	.20230	.22770	.21500	.23110
.648	11.330	3792.00000	2864.00000	86.20000	44.20000	.19910	.22600	.20720	.21820	.20930	.22390
.648	13.580	3830.00000	2890.00000	87.20000	44.90000	.21360	.22120	.21110	.21870	.21200	.22030
.648	14.690	3831.00000	2889.00000	87.30000	44.90000	.21710	.22340	.21630	.21940	.21650	.21900
.648	15.780	3831.00000	2888.00000	87.30000	44.80000	.21533	.21510	.21760	.21870	.21810	.21700
.648	16.900	3831.00000	2887.00000	87.30000	44.90000	.20840	.21070	.21650	.21090	.20990	.21190
.648	18.030	3830.00000	2890.00000	87.60000	45.30000	.20060	.20080	.21000	.19490	.20100	.20260
.648	21.980	3831.00000	2885.00000	87.80000	45.20000	.17970	.18120	.18820	.17850	.18490	.18410
	GRADIENT	-.18023	.22074	.06731	.07149	.00057	-.00209	-.00170	.00019	-.00117	-.00319

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E024) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.855 BETA = .000
SPDBRK = 11.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 24/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.130	3828.00000	2888.00000	87.70000	45.40000	.19020	.20220	.20030	.20570	.20650	.20840
.647	.010	3829.00000	2889.00000	87.80000	45.50000	.19150	.20320	.20410	.19780	.19880	.20970
.647	2.230	3829.00000	2890.00000	88.00000	45.70000	.19090	.20360	.20110	.19320	.20320	.20840
.647	4.460	3829.00000	2887.00000	88.00000	45.50000	.18780	.20090	.20190	.20240	.20110	.20320
.647	6.720	3830.00000	2887.00000	88.20000	45.70000	.20300	.20530	.20220	.20570	.20490	.20610
.647	8.990	3830.00000	2890.00000	88.30000	45.90000	.20700	.21200	.20260	.21220	.21410	.21490
.647	11.260	3829.00000	2890.00000	88.40000	46.10000	.21830	.22060	.20890	.22310	.22190	.22480
.647	12.380	3829.00000	2888.00000	88.40000	45.90000	.21980	.22250	.21520	.22580	.22140	.22190
.647	13.470	3828.00000	2890.00000	88.50000	46.20000	.21620	.21850	.21490	.21740	.21560	.22290
.647	14.580	3829.00000	2888.00000	88.50000	46.10000	.21400	.21610	.21550	.21610	.21300	.21900
.647	15.670	3829.00000	2892.00000	88.80000	46.50000	.21100	.21640	.21370	.21370	.21330	.20930
.647	16.790	3829.00000	2887.00000	88.80000	46.30000	.21320	.21400	.21670	.21570	.21440	.21610
.647	17.900	3829.00000	2890.00000	89.10000	46.70000	.20360	.21340	.21170	.20630	.20230	.21460
	GRADIENT	.13534	-.09408	.04997	.02253	-.00036	-.00016	.00008	-.00064	-.00053	-.00077

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E025) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.852	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 25/ 0. RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.150	3828.00000	2888.00000	88.40000	46.00000	.17910	.19870	.20430	.19810	.18180	.19510
.647	-.020	3828.00000	2887.00000	88.60000	46.10000	.19470	.20050	.20350	.19660	.19950	.20470
.647	2.200	3828.00000	2888.00000	88.50000	46.10000	.19400	.19970	.19990	.20470	.20180	.20490
.647	4.470	3828.00000	2888.00000	88.60000	46.20000	.17630	.19100	.19930	.18140	.18200	.18990
.647	6.780	3829.00000	2888.00000	88.60000	46.20000	.19160	.19390	.20060	.20210	.20230	.19910
.647	9.080	3829.00000	2888.00000	88.70000	46.20000	.20210	.21670	.21460	.21120	.21020	.22020
.647	11.350	3829.00000	2889.00000	88.90000	46.50000	.21780	.22720	.21610	.21700	.22240	.23280
.647	12.470	3829.00000	2890.00000	88.90000	46.50000	.21000	.22420	.21860	.21600	.22250	.23210
.647	13.560	3829.00000	2889.00000	89.10000	46.60000	.21270	.22270	.21890	.22250	.22540	.22660
.647	14.660	3829.00000	2889.00000	89.00000	46.60000	.21550	.22240	.21940	.21900	.22210	.22190
.647	15.750	3829.00000	2889.00000	89.10000	46.60000	.21630	.21570	.21860	.21900	.21860	.21800
.647	16.860	3829.00000	2891.00000	89.00000	46.70000	.20980	.20940	.21380	.20460	.20940	.20460
.647	17.970	3830.00000	2890.00000	89.30000	46.90000	.19890	.20160	.21220	.20180	.20220	.20720
	GRADIENT	-.00001	.04696	.02246	.02715	-.00046	-.00110	-.00084	-.00193	.00008	-.00073

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E026) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.854 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 26/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.010	3828.00000	2887.00000	89.20000	46.70000	.18870	.19580	.18370	.18950	.19160	.19620
.648	-3.990	3828.00000	2887.00000	89.10000	46.60000	.18970	.19100	.18260	.18530	.19430	.19350
.648	-2.970	3828.00000	2888.00000	89.00000	46.60000	.19330	.20100	.18700	.19350	.19600	.20270
.648	-1.950	3828.00000	2888.00000	88.80000	46.40000	.19120	.17830	.17660	.18140	.19270	.18310
.648	-.930	3828.00000	2889.00000	89.00000	46.60000	.19060	.19670	.19080	.19980	.19880	.20070
.648	.020	3828.00000	2886.00000	89.20000	46.60000	.19990	.20470	.19620	.20950	.20490	.21140
.648	1.030	3828.00000	2890.00000	89.00000	46.70000	.19600	.20690	.19600	.19830	.20040	.20640
.648	2.090	3828.00000	2890.00000	89.20000	46.80000	.19270	.20530	.19610	.19250	.19540	.19770
.648	3.130	3828.00000	2892.00000	89.10000	46.80000	.19380	.20120	.19610	.19300	.20070	.20620
.648	4.160	3828.00000	2888.00000	89.00000	46.60000	.20000	.20880	.20080	.20750	.21230	.19720
.648	5.210	3828.00000	2888.00000	88.90000	46.40000	.19770	.20630	.20310	.21020	.21210	.20350
.648	6.240	3828.00000	2886.00000	89.30000	46.70000	.17880	.18210	.18840	.18630	.18820	.18150
.648	7.270	3828.00000	2891.00000	89.30000	46.90000	.17980	.17680	.18560	.17520	.18100	.18120
.648	8.300	3829.00000	2886.00000	89.00000	46.40000	.16680	.16660	.16080	.17080	.17120	.17680
	GRADIENT	-.00000	.34550	.01130	.02451	.00083	.00222	.00236	.00176	.00153	.00097

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E027) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.852 ALPHA = 12.000
SPDBRK = 11.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 27/ 0 RN/L = 6.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.070	3828.00000	2889.00000	89.40000	47.00000	.19930	.21900	.20940	.22020	.20580	.21830
.647	-4.050	3828.00000	2887.00000	89.30000	46.80000	.20320	.22820	.21840	.22090	.20590	.22470
.647	-3.030	3828.00000	2888.00000	89.50000	47.00000	.21070	.23570	.22200	.22910	.21480	.22700
.647	-2.000	3828.00000	2890.00000	89.20000	46.90000	.20710	.22510	.21980	.22280	.21460	.22130
.647	-.970	3828.00000	2888.00000	89.40000	46.90000	.21120	.22210	.22210	.22100	.21600	.21870
.647	.050	3828.00000	2889.00000	89.40000	47.00000	.21810	.21610	.21980	.21380	.21120	.21690
.647	1.080	3828.00000	2892.00000	89.30000	47.00000	.21880	.22300	.22000	.22110	.21980	.22360
.647	2.090	3928.00000	2890.00000	89.30000	46.90000	.20450	.22500	.22170	.21870	.22250	.22540
.647	3.140	3829.00000	2891.00000	89.40000	47.00000	.20810	.22310	.22290	.22630	.22650	.22460
.647	4.150	3829.00000	2885.00000	89.30000	46.60000	.21730	.22520	.22520	.23640	.22420	.22870
.647	5.200	3829.00000	2886.00000	89.50000	46.90000	.20510	.21690	.22190	.22340	.22010	.22260
.647	6.230	3828.00000	2892.00000	89.50000	47.20000	.19970	.20640	.21500	.20790	.20900	.20520
.647	7.300	3828.00000	2893.00000	89.60000	47.30000	.17960	.19890	.19140	.18930	.19030	.19790
.647	8.330	3828.00000	2887.00000	89.60000	47.10000	.16690	.18740	.19420	.18590	.18590	.18610
	GRADIENT	.11387	.08177	-.00324	-.01134	.00083	-.00080	.00051	.00074	.00208	.00035

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E028) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.031	BETA =	.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 28/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.150	3850.00000	2902.00000	89.70000	47.10000	.18510	.19600	.18570	.19210	.19710	.20430
.648	-.010	3849.00000	2903.00000	89.70000	47.20000	.19190	.20070	.19070	.19050	.19460	.20130
.648	2.210	3848.00000	2901.00000	89.70000	47.10000	.19430	.20200	.19550	.19820	.20110	.20840
.648	4.440	3847.00000	2905.00000	89.70000	47.30000	.19480	.20030	.19360	.20480	.20000	.20210
.648	6.700	3848.00000	2904.00000	89.80000	47.30000	.19900	.20250	.19730	.20710	.20370	.20480
.648	8.970	3848.00000	2904.00000	89.90000	47.40000	.20480	.20670	.20090	.20380	.20550	.20860
.648	10.100	3848.00000	2904.00000	90.00000	47.60000	.21370	.21440	.20360	.21560	.21690	.21390
.648	11.240	3848.00000	2903.00000	90.00000	47.50000	.22090	.21400	.20740	.21700	.22110	.22360
.648	12.370	3847.00000	2906.00000	89.80000	47.50000	.21310	.21480	.20670	.21370	.21480	.21690
.648	13.470	3847.00000	2903.00000	89.80000	47.40000	.21300	.21320	.21140	.21740	.21760	.21620
.648	14.580	3848.00000	2903.00000	90.20000	47.70000	.20370	.20740	.21340	.21200	.21320	.21450
.648	15.680	3848.00000	2901.00000	90.10000	47.40000	.20900	.20530	.21670	.21640	.21520	.21270
.648	16.790	3849.00000	2905.00000	90.40000	47.90000	.20190	.20690	.20940	.20570	.20440	.21210
.648	17.910	3848.00000	2906.00000	90.60000	48.20000	.19440	.20060	.20520	.20400	.19920	.20440
	GRADIENT	-.45471	.31979	.00000	.02276	.00143	.00064	.00129	.00209	.00069	.00002

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E029) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.038	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 29/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.160	3848.00000	2902.00000	90.30000	47.70000	.18610	.19400	.19040	.19420	.18210	.19400
.648	-.030	3847.00000	2900.00000	90.20000	47.60000	.18730	.19620	.19450	.19660	.19990	.20240
.648	2.190	3847.00000	2902.00000	90.30000	47.80000	.19450	.18980	.19450	.19640	.19680	.19890
.648	4.470	3848.00000	2902.00000	90.40000	47.80000	.17460	.18600	.19220	.18890	.18100	.18910
.648	6.780	3848.00000	2904.00000	90.50000	48.00000	.18680	.19100	.18910	.19810	.19470	.20120
.648	9.080	3848.00000	2903.00000	90.70000	48.10000	.19740	.20630	.20360	.20090	.21130	.21790
.648	11.350	3848.00000	2904.00000	90.90000	48.30000	.19760	.21400	.21550	.20550	.21460	.22460
.648	12.470	3848.00000	2906.00000	90.90000	48.40000	.19950	.22250	.21730	.21820	.21710	.22280
.648	13.560	3848.00000	2906.00000	91.00000	48.50000	.19330	.21640	.21810	.20160	.20470	.21220
.648	14.660	3848.00000	2903.00000	91.10000	48.50000	.19360	.21510	.20680	.20830	.20750	.21620
.648	15.750	3848.00000	2903.00000	91.20000	48.50000	.19650	.20820	.20610	.20980	.21520	.21650
.648	16.860	3849.00000	2904.00000	91.30000	48.70000	.19460	.19860	.20560	.20600	.20710	.20710
.648	17.980	3850.00000	2901.00000	91.40000	48.60000	.19180	.19430	.20520	.20130	.20420	.20440
	GRADIENT	.00308	.09387	.01841	.02279	-.00126	-.00138	.00023	-.00074	-.00034	-.00085

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E030) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.047	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 30/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.000	3867.00000	2917.00000	92.10000	49.40000	.17960	.18720	.18120	.18430	.17520	.18930
.647	-3.980	3867.00000	2914.00000	92.10000	49.20000	.18560	.20090	.18560	.18400	.18280	.19410
.647	-2.970	3867.00000	2916.00000	92.10000	49.30000	.19300	.20040	.18820	.19920	.19340	.20580
.647	-1.940	3867.00000	2916.00000	92.10000	49.40000	.18100	.17890	.17600	.17970	.18470	.17910
.647	-.920	3866.00000	2917.00000	92.10000	49.50000	.19980	.19690	.18260	.19110	.20290	.19560
.647	.020	3867.00000	2915.00000	92.00000	49.20000	.19640	.19940	.18850	.20110	.20360	.20340
.647	1.040	3867.00000	2916.00000	92.20000	49.50000	.19470	.20010	.19200	.19180	.20460	.20900
.647	2.090	3866.00000	2916.00000	92.30000	49.60000	.19090	.18490	.19420	.19810	.19420	.19850
.647	3.140	3867.00000	2916.00000	92.50000	49.70000	.19260	.20250	.19510	.19400	.20540	.20950
.647	4.170	3867.00000	2914.00000	92.30000	49.40000	.18840	.21250	.20280	.20780	.20800	.21150
.647	5.200	3865.00000	2915.00000	92.30000	49.60000	.19460	.21020	.20570	.20880	.21420	.21270
.647	6.230	3866.00000	2917.00000	92.30000	49.60000	.17520	.18970	.17910	.17930	.18800	.18490
.647	7.250	3867.00000	2916.00000	92.30000	49.60000	.17420	.17870	.18310	.17870	.18020	.17590
	GRADIENT	-.01656	-.01665	.04122	.03951	.00040	.00112	.00222	.00192	.00258	.00217

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E031) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.050	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 31/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.070	3867.00000	2917.00000	92.50000	49.70000	.17150	.21660	.20390	.21090	.18780	.21130
.648	-4.050	3867.00000	2915.00000	92.50000	49.70000	.18480	.22290	.21180	.21450	.19050	.21690
.648	-3.030	3867.00000	2913.00000	92.50000	49.60000	.19350	.22170	.21470	.21200	.19100	.21920
.648	-2.000	3866.00000	2918.00000	92.50000	49.80000	.18990	.21500	.21100	.20650	.19410	.20830
.648	-.990	3867.00000	2916.00000	92.70000	49.90000	.19610	.21550	.21240	.20780	.19630	.21110
.648	.030	3866.00000	2915.00000	92.60000	49.80000	.21330	.21130	.21350	.21540	.20880	.21770
.648	1.070	3867.00000	2917.00000	92.60000	49.80000	.20310	.22040	.21050	.21690	.21650	.21750
.648	2.080	3866.00000	2914.00000	92.50000	49.70000	.19550	.21220	.21530	.21940	.21490	.21760
.648	3.120	3867.00000	2918.00000	92.50000	49.80000	.19270	.22270	.21300	.21760	.21920	.22170
.648	4.140	3867.00000	2914.00000	92.70000	49.80000	.19980	.22150	.21470	.22430	.22830	.22680
.648	5.210	3867.00000	2915.00000	92.70000	49.80000	.19480	.21520	.21410	.22220	.22420	.22490
.648	6.230	3867.00000	2919.00000	92.80000	50.10000	.19020	.21190	.21360	.21770	.21380	.21910
.648	7.280	3866.00000	2914.00000	92.80000	50.00000	.18970	.19690	.19980	.19920	.21960	.21980
	GRADIENT	.00021	.06589	.01137	.01139	.00123	-.00005	.00021	.00148	.00485	.00117

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E032) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.090	BETA =	.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 32/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.160	3865.00000	2914.00000	92.60000	49.70000	.12610	.13250	.12800	.14070	.15560	.16130
.648	-.020	3865.00000	2916.00000	92.50000	49.80000	.13220	.12720	.12950	.14310	.15050	.16290
.648	2.200	3866.00000	2915.00000	92.60000	49.80000	.13550	.13510	.13160	.14730	.14570	.15390
.648	4.430	3865.00000	2918.00000	92.60000	50.00000	.12890	.12680	.12950	.13700	.14070	.14820
.648	6.670	3866.00000	2920.00000	92.60000	50.00000	.12180	.12630	.11430	.13440	.13380	.14190
.648	8.960	3867.00000	2915.00000	92.70000	49.80000	.11790	.12840	.11610	.13990	.13480	.14320
.648	11.220	3867.00000	2918.00000	92.80000	50.10000	.11530	.12270	.11920	.13280	.12170	.14170
.648	12.360	3867.00000	2914.00000	92.80000	49.90000	.11490	.12170	.11620	.13510	.12560	.14540
.648	13.470	3866.00000	2917.00000	93.00000	50.30000	.11640	.12470	.11190	.12630	.12240	.13870
.648	14.570	3867.00000	2920.00000	93.10000	50.50000	.11930	.12140	.10690	.12590	.11930	.13460
.648	15.670	3867.00000	2918.00000	93.00000	50.20000	.11770	.13130	.11060	.13010	.14310	.14810
.648	16.780	3867.00000	2918.00000	93.10000	50.30000	.12100	.14160	.10360	.13710	.13560	.14490
.648	17.900	3867.00000	2917.00000	93.30000	50.50000	.15280	.14760	.12330	.15710	.14830	.15800
	GRADIENT	.04498	.50010	.00468	.04097	.00052	-.00042	.00030	-.00032	-.00225	-.00221

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E033) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.049	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 33/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.170	3865.00000	2916.00000	92.80000	50.10000	.12060	.14580	.12270	.15800	.16090	.16510
.647	-.040	3865.00000	2915.00000	92.80000	50.00000	.12660	.13900	.12320	.14680	.16170	.16110
.647	2.180	3865.00000	2918.00000	92.70000	50.00000	.12970	.13280	.12760	.14050	.15000	.15290
.647	4.450	3865.00000	2915.00000	92.70000	49.90000	.12780	.14580	.12630	.13340	.15200	.15920
.647	6.750	3865.00000	2916.00000	92.70000	50.00000	.13440	.14650	.11660	.12550	.14670	.15000
.647	9.070	3866.00000	2916.00000	92.80000	50.00000	.13360	.15010	.11950	.12490	.14600	.15070
.647	11.340	3867.00000	2918.00000	92.80000	50.10000	.12700	.13500	.11890	.12610	.14060	.14770
.647	12.470	3867.00000	2915.00000	93.10000	50.20000	.12050	.13200	.12400	.11900	.14050	.14700
.647	13.560	3866.00000	2915.00000	93.00000	50.20000	.11770	.12470	.13090	.13650	.14080	.14390
.647	14.650	3867.00000	2919.00000	93.00000	50.30000	.12320	.12770	.12980	.13400	.13560	.14780
.647	15.750	3867.00000	2920.00000	93.20000	50.50000	.10480	.13410	.12390	.13100	.14570	.15400
.647	16.860	3867.00000	2916.00000	93.30000	50.50000	.10960	.13010	.14640	.15530	.14520	.15100
.647	17.970	3867.00000	2917.00000	93.30000	50.60000	.14220	.14480	.15130	.14570	.16100	.15040
	GRADIENT	-.00001	-.00205	-.01813	-.02715	.00111	-.00025	.00069	-.00362	-.00174	-.00116

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E034) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.032	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 34/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-5.990	3865.00000	2915.00000	93.10000	50.30000	.12520	.09360	.11720	.09810	.11720	.14070
.648	-3.980	3865.00000	2915.00000	92.80000	50.10000	.13520	.11340	.11430	.11060	.12850	.14610
.648	-2.960	3865.00000	2916.00000	93.00000	50.20000	.13300	.10800	.11670	.11670	.12870	.14170
.648	-1.930	3865.00000	2915.00000	93.20000	50.40000	.13160	.12620	.11940	.13840	.13820	.14480
.648	-.920	3865.00000	2918.00000	93.10000	50.40000	.11980	.12040	.11150	.13720	.13820	.14070
.648	.020	3865.00000	2918.00000	93.10000	50.40000	.12470	.12470	.10980	.13700	.13180	.13970
.648	1.020	3865.00000	2917.00000	93.00000	50.30000	.11820	.12920	.11160	.13270	.13630	.14640
.648	2.040	3865.00000	2914.00000	93.00000	50.20000	.13170	.14860	.12860	.12050	.14920	.14880
.648	3.100	3865.00000	2915.00000	93.10000	50.30000	.13710	.14410	.13130	.12290	.14750	.15450
.648	4.130	3865.00000	2917.00000	93.00000	50.30000	.13730	.13290	.13400	.12280	.15010	.15320
.648	5.170	3865.00000	2919.00000	93.10000	50.50000	.12880	.11410	.13110	.11800	.14710	.14590
.648	6.200	3865.00000	2914.00000	93.10000	50.20000	.12410	.11010	.12890	.11880	.15200	.16000
.648	7.250	3866.00000	2914.00000	93.00000	50.10000	.11480	.10800	.13220	.11830	.15370	.16610
.648	8.290	3865.00000	2915.00000	93.10000	50.30000	.13750	.11580	.12680	.12820	.14640	.15660
	GRADIENT	-.00001	.03314	.01004	.01001	.00033	.00396	.00235	.00045	.00270	.00134

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E035) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -.038 ALPHA = 12.000
SPDBRK = 11.500 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 35/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3866.00000	2916.00000	93.10000	50.30000	.13170	.08400	.08790	.10110	.12860	.14390
.648	-4.050	3865.00000	2914.00000	93.20000	50.40000	.12150	.09670	.09570	.11000	.11370	.14690
.648	-3.030	3865.00000	2915.00000	93.40000	50.60000	.11740	.09500	.10810	.11280	.11800	.13540
.648	-2.000	3865.00000	2915.00000	93.40000	50.60000	.12470	.10110	.12110	.13190	.12800	.14290
.648	-.990	3865.00000	2919.00000	93.30000	50.60000	.12110	.11690	.11490	.12940	.12460	.13160
.648	.050	3865.00000	2917.00000	93.40000	50.60000	.11400	.11750	.11750	.13370	.12190	.14710
.648	1.080	3865.00000	2914.00000	93.40000	50.50000	.12290	.12990	.11790	.13440	.12930	.14520
.648	2.110	3865.00000	2918.00000	93.20000	50.50000	.12080	.12060	.12970	.13090	.13440	.14480
.648	3.110	3865.00000	2918.00000	93.20000	50.60000	.11870	.12560	.13080	.11690	.13840	.14840
.648	4.160	3865.00000	2915.00000	93.10000	50.30000	.12590	.12510	.13210	.11460	.14720	.16170
.648	5.200	3866.00000	2916.00000	93.30000	50.50000	.10500	.12320	.15750	.10250	.16200	.16310
.648	6.230	3865.00000	2919.00000	93.30000	50.70000	.12640	.11380	.14650	.10700	.15560	.16310
.648	7.270	3866.00000	2913.00000	93.40000	50.50000	.14280	.12880	.14240	.12120	.16920	.18060
.648	8.280	3865.00000	2916.00000	93.50000	50.70000	.14220	.13120	.15230	.12540	.18380	.18670
	GRADIENT	-.00001	.22617	-.02113	-.01145	.00025	.00418	.00380	.00055	.00346	.00188

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E036) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.970	BETA =	.000
SPDBRK =	11.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 36/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.180	3865.00000	2917.00000	92.90000	50.20000	.09240	.10300	.09100	.11290	.13160	.14250
.647	-.030	3864.00000	2915.00000	93.00000	50.20000	.11200	.09820	.09650	.12110	.12050	.14080
.647	2.190	3865.00000	2916.00000	92.90000	50.20000	.10740	.10100	.09420	.12020	.11510	.13470
.647	4.420	3865.00000	2916.00000	92.90000	50.10000	.10800	.10620	.09930	.12020	.12000	.13310
.647	6.670	3865.00000	2917.00000	93.00000	50.30000	.09810	.09890	.08670	.11550	.10820	.12380
.647	8.950	3864.00000	2917.00000	92.80000	50.20000	.09120	.09660	.08770	.11050	.10530	.11920
.647	11.220	3865.00000	2912.00000	92.80000	49.90000	.09410	.10540	.09800	.11570	.10500	.12400
.647	12.360	3864.00000	2918.00000	92.90000	50.30000	.08920	.09870	.09580	.10990	.10600	.11510
.647	13.460	3865.00000	2918.00000	92.70000	50.10000	.08200	.09670	.09230	.10110	.09170	.11330
.647	14.560	3865.00000	2915.00000	93.00000	50.30000	.09750	.09500	.09870	.10570	.09680	.11690
.647	15.660	3865.00000	2916.00000	92.80000	50.10000	.09130	.09850	.08780	.10430	.10390	.12680
.647	16.780	3865.00000	2917.00000	93.00000	50.30000	.09560	.10950	.09410	.11260	.12600	.12690
.647	17.890	3865.00000	2919.00000	92.80000	50.30000	.09550	.12190	.09900	.12000	.11750	.11630
	GRADIENT	.04662	-.08868	-.00466	-.01369	.00190	.00057	.00102	.00095	-.00181	-.00156

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E037) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.976	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 37/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.190	3863.00000	2916.00000	92.60000	49.90000	.06000	.10950	.08030	.13190	.14220	.14850
.647	-.050	3864.00000	2917.00000	92.40000	49.80000	.09600	.10330	.09090	.11610	.13190	.13690
.647	2.170	3864.00000	2916.00000	92.10000	49.50000	.10670	.11160	.09630	.11000	.12240	.13270
.647	4.440	3864.00000	2915.00000	92.20000	49.50000	.10410	.10950	.10040	.10860	.12400	.12680
.647	6.750	3865.00000	2919.00000	92.20000	49.70000	.10400	.10920	.09900	.10340	.11560	.12080
.647	9.050	3865.00000	2918.00000	92.30000	49.70000	.10450	.10540	.08690	.10080	.10720	.12050
.647	11.330	3865.00000	2915.00000	92.20000	49.40000	.08400	.09970	.09330	.10730	.11000	.11930
.647	12.460	3865.00000	2917.00000	92.20000	49.60000	.07670	.10010	.09000	.09660	.10220	.12160
.647	13.550	3865.00000	2917.00000	92.20000	49.60000	.07770	.09730	.09320	.09750	.09570	.11350
.647	14.650	3865.00000	2917.00000	92.40000	49.80000	.06620	.10040	.09230	.10150	.09860	.11530
.647	15.740	3865.00000	2919.00000	92.40000	49.80000	.08060	.09220	.08590	.10480	.10030	.12180
.647	16.850	3865.00000	2918.00000	92.40000	49.80000	.09130	.10000	.09500	.10870	.10560	.13260
.647	17.970	3865.00000	2916.00000	92.50000	49.80000	.07660	.09400	.10550	.12560	.11510	.12600
	GRADIENT	.13427	-.18366	-.06746	-.06773	.00641	.00038	.00296	-.00342	-.00288	-.00313

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E038) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.973 ALPHA = 6.000
SPDBRK = 11.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 38/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.646	-5.990	3864.00000	2919.00000	92.20000	49.70000	.09550	.06920	.08160	.07500	.09010	.09990
.646	-3.990	3865.00000	2914.00000	91.80000	49.00000	.10440	.07590	.08210	.09420	.10560	.11610
.646	-2.960	3864.00000	2917.00000	91.80000	49.20000	.10350	.08340	.07990	.09690	.10330	.11410
.646	-1.940	3863.00000	2916.00000	91.70000	49.10000	.09930	.09220	.08710	.11520	.12230	.12020
.646	-.910	3863.00000	2918.00000	91.70000	49.20000	.09410	.10340	.08850	.11110	.11540	.12210
.646	.010	3864.00000	2915.00000	91.70000	49.00000	.10620	.10000	.09610	.11880	.11860	.13060
.646	.990	3864.00000	2917.00000	91.70000	49.10000	.10200	.10290	.08360	.10990	.10580	.12480
.646	2.080	3864.00000	2916.00000	91.60000	48.90000	.10950	.10730	.08800	.09960	.11970	.12490
.646	3.120	3864.00000	2914.00000	91.50000	48.80000	.10080	.11630	.09900	.09440	.12410	.12620
.646	4.150	3865.00000	2917.00000	91.40000	48.90000	.09400	.11620	.10030	.07730	.11270	.11410
.646	5.180	3864.00000	2918.00000	91.60000	49.10000	.08850	.10860	.09340	.07640	.10800	.10780
.646	6.200	3864.00000	2916.00000	91.50000	48.90000	.07603	.10870	.07950	.07130	.10600	.11310
.646	7.230	3864.00000	2919.00000	91.50000	49.10000	.06280	.09370	.07190	.07130	.09160	.10430
.646	8.270	3865.00000	2914.00000	91.40000	48.60000	.02460	.07540	.06240	.05440	.07850	.08630
	GRADIENT	.04894	.03399	-.04467	-.03460	-.00037	.00477	.00210	-.00180	.00126	.00065

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E039) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.966	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 39/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3864.00000	2914.00000	91.40000	48.70000	.08440	.06210	.07450	.07410	.08340	.10050
.648	-4.050	3864.00000	2912.00000	91.40000	48.60000	.08610	.06670	.07360	.09690	.09560	.11650
.648	-3.030	3864.00000	2918.00000	91.30000	48.80000	.08140	.06830	.08200	.08990	.07970	.11100
.648	-2.010	3864.00000	2914.00000	91.60000	48.90000	.08870	.08680	.08520	.11350	.10030	.11240
.648	-.990	3864.00000	2916.00000	91.30000	48.70000	.08750	.09910	.08440	.10900	.09370	.12190
.648	.020	3864.00000	2915.00000	91.50000	48.80000	.08630	.09170	.09090	.10780	.09950	.12000
.648	1.040	3865.00000	2915.00000	91.30000	48.70000	.07900	.10110	.09420	.10890	.10110	.11700
.648	2.080	3865.00000	2916.00000	91.40000	48.80000	.07660	.10040	.09750	.11130	.09890	.12230
.648	3.120	3865.00000	2919.00000	91.40000	48.90000	.06630	.08700	.09510	.09270	.10720	.11670
.648	4.150	3865.00000	2917.00000	91.40000	48.80000	.07710	.09630	.09150	.08410	.09860	.12240
.648	5.190	3865.00000	2918.00000	91.50000	48.90000	.07050	.09050	.08120	.08140	.09490	.09800
.648	6.180	3865.00000	2916.00000	91.50000	48.80000	.08340	.06930	.08290	.06540	.09580	.09660
.648	7.220	3865.00000	2915.00000	91.70000	49.00000	.07120	.07470	.08070	.06460	.09620	.09970
.648	8.280	3865.00000	2918.00000	91.50000	49.00000	.07910	.06070	.07970	.06190	.08290	.10030
	GRADIENT	.16269	.42383	-.00162	.01467	-.00186	.00330	.00236	-.00078	.00161	.00090

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E040) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.948	BETA =	.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 40/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.180	3865.00000	2916.00000	91.20000	48.50000	.04020	.10570	.08920	.12830	.14010	.15250
.648	-.030	3865.00000	2915.00000	91.30000	48.60000	.07840	.09600	.07390	.12120	.11750	.13920
.648	2.190	3865.00000	2919.00000	90.90000	48.50000	.09720	.09510	.07410	.11560	.10920	.13280
.648	4.420	3865.00000	2914.00000	91.20000	48.50000	.09840	.09760	.08460	.11820	.11330	.12790
.648	6.670	3865.00000	2915.00000	91.10000	48.40000	.09170	.09210	.08480	.11850	.10780	.11980
.648	8.950	3865.00000	2916.00000	91.10000	48.50000	.07860	.08690	.07900	.10650	.09680	.11170
.648	11.220	3866.00000	2919.00000	91.30000	48.80000	.07700	.08550	.07860	.10000	.08800	.11640
.648	12.360	3867.00000	2917.00000	91.20000	48.60000	.06440	.08390	.06630	.09500	.08120	.10080
.648	13.480	3866.00000	2916.00000	91.30000	48.70000	.05820	.07350	.05670	.08130	.07490	.09700
.648	14.570	3866.00000	2917.00000	91.20000	48.60000	.05740	.06500	.03880	.06730	.06790	.09090
.648	15.670	3867.00000	2914.00000	91.50000	48.60000	.05900	.05590	.03700	.06930	.07490	.08810
.648	16.790	3867.00000	2918.00000	91.50000	48.80000	.03693	.07060	.04310	.06830	.07780	.08180
.648	17.900	3866.00000	2917.00000	91.70000	49.10000	.03420	.06150	.03790	.06710	.07660	.08640
	GRADIENT	.00001	-.09239	-.01815	-.00466	.00875	-.00113	-.00060	-.00162	-.00401	-.00363

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E041) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.964	BETA =	2.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 41/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.646	-2.190	3864.00000	2918.00000	90.80000	48.40000	.06760	.11290	.06490	.11310	.14070	.14050
.646	-.050	3865.00000	2915.00000	91.10000	48.40000	.09770	.08710	.07450	.11900	.12250	.13610
.646	2.170	3865.00000	2915.00000	90.80000	48.20000	.09330	.09370	.07860	.11560	.11630	.13180
.646	4.440	3865.00000	2917.00000	90.80000	48.30000	.09850	.09930	.08520	.10840	.10760	.11860
.646	5.350	3866.00000	2917.00000	91.10000	48.50000	.04540	.05550	.04800	.07430	.06910	.08510
.646	6.740	3865.00000	2917.00000	90.90000	48.40000	.09240	.09450	.07440	.09980	.10690	.11580
.646	9.060	3865.00000	2915.00000	90.90000	48.20000	.08580	.09090	.06740	.09430	.09450	.10560
.646	11.330	3865.00000	2915.00000	90.90000	48.20000	.07240	.07920	.07260	.08460	.08640	.10440
.646	12.450	3866.00000	2914.00000	91.00000	48.20000	.05360	.07110	.06390	.08250	.08790	.10000
.646	14.640	3864.00000	2915.00000	91.20000	48.50000	.02770	.05460	.05150	.05620	.06780	.08080
.646	15.740	3864.00000	2916.00000	91.10000	48.50000	.05610	.05050	.04410	.06620	.06580	.08110
.646	16.850	3865.00000	2916.00000	91.00000	48.40000	.03603	.06390	.03770	.07070	.06470	.08520
.646	17.970	3866.00000	2918.00000	91.10000	48.60000	.02860	.05090	.01740	.06350	.07010	.08680
	GRADIENT	.13428	-.12895	-.01402	-.02251	.00396	-.00150	.00293	-.00081	-.00476	-.00318

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E042) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.961	ALPHA =	6.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 42/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.090	3865.00000	2916.00000	90.60000	48.00000	.07520	.04730	.05450	.06720	.07380	.08600
.647	-4.070	3865.00000	2914.00000	90.40000	47.80000	.08390	.06610	.06110	.08640	.08990	.10190
.647	-3.050	3865.00000	2914.00000	90.50000	47.80000	.08600	.06660	.06640	.08950	.09720	.10670
.647	-2.040	3864.00000	2919.00000	90.40000	48.00000	.09310	.08350	.07980	.10350	.10450	.10910
.647	-1.040	3865.00000	2915.00000	90.40000	47.80000	.08920	.09050	.08670	.11360	.10820	.11610
.647	.090	3864.00000	2914.00000	90.40000	47.80000	.09350	.09290	.09140	.11580	.10430	.12100
.647	1.180	3864.00000	2915.00000	90.30000	47.80000	.09090	.08760	.07930	.10740	.10160	.11800
.647	2.210	3865.00000	2915.00000	90.20000	47.70000	.09660	.09310	.06980	.10260	.10510	.11690
.647	3.230	3864.00000	2917.00000	90.20000	47.80000	.06240	.08580	.07210	.09140	.09390	.10360
.647	4.240	3864.00000	2914.00000	90.40000	47.80000	.07990	.08200	.06400	.09270	.09580	.10040
.647	5.270	3864.00000	2917.00000	90.40000	47.90000	.06370	.08300	.06490	.07490	.08710	.09540
.647	6.290	3865.00000	2918.00000	90.50000	48.00000	.05260	.08830	.07540	.05980	.08640	.08910
.647	7.320	3865.00000	2920.00000	90.50000	48.10000	.04010	.07170	.04840	.05200	.06500	.06960
.647	8.330	3865.00000	2918.00000	90.30000	47.90000	.01520	.05620	.04750	.04360	.05600	.06060
	GRADIENT	-.09556	.01406	-.02248	-.00969	-.00028	.00218	.00000	.00035	.00012	.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E043) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.947	ALPHA =	12.000
SPDBRK =	11.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 43/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.070	3865.00000	2914.00000	90.40000	47.70000	.04820	.03870	.03640	.05750	.05890	.06550
.648	-4.050	3864.00000	2915.00000	90.20000	47.60000	.05370	.04480	.04210	.07700	.07170	.08720
.648	-3.030	3864.00000	2915.00000	90.20000	47.60000	.06400	.06560	.05780	.08730	.07200	.09170
.648	-2.000	3863.00000	2915.00000	90.30000	47.80000	.06620	.07010	.06290	.08190	.07860	.09660
.648	-.970	3864.00000	2917.00000	90.30000	47.80000	.05910	.06760	.05170	.08240	.07300	.10100
.648	.030	3864.00000	2913.00000	90.30000	47.70000	.06210	.06560	.06060	.08610	.07970	.09760
.648	1.070	3864.00000	2916.00000	90.00000	47.50000	.03980	.06710	.05930	.07290	.07710	.08990
.648	2.090	3865.00000	2918.00000	90.20000	47.70000	.04420	.05780	.04690	.06820	.07070	.08350
.648	3.110	3865.00000	2918.00000	90.20000	47.70000	.03530	.05470	.03770	.05760	.06260	.07770
.648	4.120	3865.00000	2916.00000	90.30000	47.70000	.03770	.04580	.03560	.05160	.05490	.08420
.648	5.170	3865.00000	2915.00000	90.30000	47.70000	.04700	.04830	.04190	.05080	.05160	.06790
.648	6.210	3865.00000	2914.00000	90.40000	47.80000	.04390	.03770	.04220	.03500	.04370	.05650
.648	7.270	3865.00000	2916.00000	90.20000	47.70000	.03630	.03150	.04620	.03130	.04150	.05220
.648	8.300	3865.00000	2912.00000	90.30000	47.60000	.04070	.03470	.02960	.01060	.04590	.06110
	GRADIENT	.17931	.29457	-.00166	.00327	-.00348	-.00087	-.00180	-.00371	-.00174	-.00149

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E044) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.042	RDA =	-.032
ALPHA =	6.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 44/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-10.870	3865.00000	2915.00000	89.70000	47.20000	.19670	.20540	.19940	.20410	.20040	.20620
.647	-10.100	3865.00000	2916.00000	89.90000	47.40000	.20060	.20300	.20010	.20610	.20180	.20430
.647	-8.120	3865.00000	2914.00000	89.80000	47.20000	.20400	.20350	.20040	.20130	.20500	.20710
.647	-5.980	3864.00000	2916.00000	89.80000	47.30000	.19940	.19830	.19960	.20350	.20160	.19850
.647	-4.020	3864.00000	2914.00000	89.90000	47.40000	.17960	.17740	.17260	.17940	.18380	.18190
.647	-2.030	3864.00000	2915.00000	89.90000	47.40000	.14830	.15180	.14230	.15700	.15840	.16070
.647	-.030	3865.00000	2913.00000	90.00000	47.30000	.12860	.12370	.11460	.13670	.14230	.14820
.647	1.970	3865.00000	2916.00000	90.00000	47.50000	.10000	.10860	.08820	.12100	.11770	.13180
.647	3.920	3863.00000	2916.00000	89.90000	47.50000	.10330	.10260	.07710	.11050	.11300	.12250
.647	6.180	3865.00000	2915.00000	89.80000	47.30000	.09350	.09480	.08280	.11130	.10160	.11650
.647	8.040	3864.00000	2914.00000	90.00000	47.40000	.09830	.09810	.08030	.11280	.10720	.12040
.647	10.030	3865.00000	2912.00000	89.80000	47.10000	.09220	.09570	.09010	.12310	.10910	.12740
.647	11.840	3865.00000	2915.00000	90.10000	47.50000	.09030	.09480	.08570	.11510	.11140	.12650
.647	14.170	3864.00000	2917.00000	90.10000	47.70000	.08590	.08650	.07890	.10950	.10440	.11510
.647	18.430	3865.00000	2914.00000	89.90000	47.30000	.06750	.06350	.05150	.09870	.08630	.09780
.647	21.830	3865.00000	2917.00000	90.10000	47.60000	.04230	.05120	.03380	.07600	.06380	.08350
	GRADIENT	-.04914	.25130	.00510	.01508	-.01012	-.00971	-.01234	-.00875	-.00918	-.00743

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E045) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.070	RDA =	-.021
ALPHA =	12.000	BETA =	.000
ELEVON =	.000	SPDBRK =	11.500
RN/L =	6.500	GRIT =	.000

RUN NO. 45/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-10.900	3865.00000	2915.00000	90.00000	47.40000	.21530	.21650	.21780	.21530	.21530	.21530
.648	-10.040	3865.00000	2912.00000	89.90000	47.20000	.21780	.21720	.21870	.22010	.21910	.22110
.648	-8.060	3865.00000	2916.00000	89.90000	47.40000	.21380	.21630	.21320	.21590	.21650	.21320
.648	-6.550	3865.00000	2915.00000	90.00000	47.40000	.20790	.20880	.21290	.21350	.21270	.21730
.648	-4.060	3864.00000	2915.00000	89.90000	47.40000	.17880	.18380	.18210	.19250	.18830	.18910
.648	-1.980	3865.00000	2913.00000	90.10000	47.40000	.14130	.13900	.13820	.14460	.14830	.16320
.648	.120	3864.00000	2915.00000	90.00000	47.40000	.11120	.12090	.11910	.13130	.12590	.14440
.648	2.000	3865.00000	2915.00000	90.10000	47.50000	.09990	.11410	.09970	.12410	.10670	.13170
.648	4.070	3865.00000	2913.00000	90.10000	47.40000	.09400	.09690	.09940	.10690	.10320	.12980
.648	6.020	3865.00000	2915.00000	90.20000	47.60000	.08540	.10640	.09210	.11470	.09830	.12340
.648	8.010	3865.00000	2911.00000	90.30000	47.50000	.09400	.09980	.09530	.10660	.09980	.12330
.648	10.020	3865.00000	2915.00000	90.40000	47.80000	.07470	.08390	.07790	.10170	.10030	.11060
.648	12.010	3864.00000	2916.00000	90.40000	47.90000	.07620	.08430	.06540	.09300	.08530	.10500
.648	13.770	3864.00000	2915.00000	90.30000	47.80000	.05890	.07740	.06250	.08300	.07920	.09830
.648	17.990	3864.00000	2917.00000	90.40000	48.00000	.03680	.04800	.01170	.05470	.05010	.08000
.648	21.900	3864.00000	2915.00000	90.40000	47.90000	-.00630	.01190	-.00610	.03280	.02680	.05520
	GRADIENT	.09762	-.09908	.01974	.00481	-.01046	-.00986	-.01010	-.00951	-.01049	-.00743

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E046) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-1.569	RDA =	.018		
ALPHA =	6.000	BETA =	.000		
SPDBRK =	11.500	RN/L =	6.500		
GRIT =	.000	=	.000		

RUN NO. 46/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-10.880	3865.00000	2915.00000	90.80000	48.20000	.20570	.20380	.20030	.20450	.20550	.20320
.647	-10.070	3864.00000	2917.00000	90.70000	48.30000	.19890	.20120	.19890	.20520	.20480	.20540
.647	-8.110	3864.00000	2915.00000	90.50000	48.00000	.20490	.20530	.20040	.20410	.20350	.20700
.647	-6.120	3865.00000	2919.00000	90.60000	48.20000	.19570	.20400	.19430	.19590	.19740	.19720
.647	-4.000	3865.00000	2915.00000	90.60000	48.00000	.17430	.18190	.17260	.17430	.18210	.18480
.647	-1.790	3864.00000	2918.00000	90.50000	48.00000	.14230	.14790	.13870	.15000	.15430	.15770
.647	-.090	3865.00000	2914.00000	90.50000	47.80000	.12550	.12530	.11060	.13600	.13730	.14610
.647	2.020	3865.00000	2916.00000	90.50000	48.00000	.10550	.10990	.10260	.12670	.11840	.13310
.647	3.870	3864.00000	2919.00000	90.30000	47.90000	.10080	.10730	.09250	.10980	.11000	.12670
.647	5.990	3864.00000	2915.00000	90.40000	47.80000	.10160	.10160	.09290	.12250	.11030	.12560
.647	8.060	3864.00000	2916.00000	90.50000	47.90000	.09630	.10540	.09260	.12280	.11040	.12570
.647	10.060	3864.00000	2916.00000	90.30000	47.80000	.09170	.09820	.08360	.11350	.10850	.12080
.647	12.100	3865.00000	2915.00000	90.30000	47.70000	.08920	.09620	.07740	.11820	.10870	.12130
.647	14.040	3863.00000	2918.00000	90.10000	47.80000	.08030	.08330	.06790	.11400	.10280	.11300
.647	16.150	3864.00000	2915.00000	90.10000	47.50000	.06890	.07240	.06180	.10250	.09520	.10660
.647	18.290	3864.00000	2916.00000	90.10000	47.60000	.05590	.06600	.04590	.09400	.08200	.10060
.647	21.890	3864.00000	2916.00000	90.20000	47.70000	.02640	.04140	.02330	.07080	.05860	.08180
	GRADIENT	-.05425	.31894	-.03067	-.00963	-.00944	-.00961	-.01005	-.00780	-.00924	-.00724

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E047) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-2.139	RDA =	.033		
ALPHA =	12.000	BETA =	.000		
SPDBRK =	.000	RN/L =	6.500		
GRIT =	.000				

RUN NO. 47/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-10.880	3865.00000	2912.00000	91.10000	48.30000	.21570	.21840	.22000	.21940	.21770	.22410
.649	-9.910	3865.00000	2914.00000	91.20000	48.50000	.21300	.21630	.21820	.22020	.21980	.21690
.649	-8.160	3865.00000	2917.00000	91.40000	48.80000	.21200	.21370	.21350	.21950	.21740	.21610
.649	-6.170	3864.00000	2917.00000	91.30000	48.80000	.21140	.20910	.21140	.21000	.21490	.21510
.649	-4.030	3865.00000	2914.00000	91.40000	48.70000	.17400	.18100	.17950	.18920	.18700	.19150
.649	-1.860	3864.00000	2917.00000	91.50000	49.00000	.13650	.13560	.13420	.14430	.13890	.15180
.649	.170	3865.00000	2916.00000	91.40000	48.70000	.11550	.11840	.11990	.12570	.12610	.14280
.649	2.110	3865.00000	2917.00000	91.40000	48.90000	.09480	.10970	.10740	.11900	.11700	.12670
.649	4.230	3865.00000	2913.00000	91.70000	48.90000	.09530	.10920	.10170	.12130	.11160	.12150
.649	5.930	3864.00000	2915.00000	91.70000	49.00000	.09560	.09460	.09350	.10660	.10470	.12120
.649	7.930	3864.00000	2914.00000	91.70000	49.00000	.07800	.08180	.07990	.10740	.09850	.11750
.649	10.060	3865.00000	2914.00000	91.80000	49.00000	.07590	.07740	.06830	.09810	.08960	.10010
.649	11.580	3864.00000	2914.00000	91.80000	49.10000	.06200	.06180	.05400	.08720	.07900	.09280
.649	14.040	3864.00000	2914.00000	91.80000	49.10000	.04950	.05670	.04350	.07820	.06720	.08520
.649	15.980	3864.00000	2917.00000	91.90000	49.40000	.02800	.03180	.03360	.05170	.04900	.07450
.649	21.830	3865.00000	2913.00000	92.00000	49.20000	-.02030	.00830	-.01370	.02730	.01700	.04840
	GRADIENT	.04724	-.09544	.02461	.01484	-.00973	-.00832	-.00894	-.00791	-.00848	-.00809

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E048) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.261	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 48/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.150	3792.00000	2859.00000	82.40000	40.40000	.18490	.20860	.20140	.20790	.19950	.20630
.648	-.010	3793.00000	2861.00000	82.70000	40.70000	.19020	.19800	.20670	.19190	.19990	.21240
.648	2.200	3792.00000	2861.00000	82.80000	40.80000	.20190	.20400	.20510	.21080	.20550	.21180
.648	4.420	3793.00000	2864.00000	82.90000	41.10000	.19640	.20090	.20020	.19390	.19790	.20360
.648	6.680	3794.00000	2865.00000	83.30000	41.40000	.19640	.20560	.20020	.20500	.19800	.20270
.648	8.960	3795.00000	2866.00000	83.10000	41.30000	.20890	.20830	.19960	.20790	.20890	.20960
.648	11.220	3795.00000	2862.00000	83.00000	40.90000	.21290	.22000	.20420	.21750	.22280	.22230
.648	12.350	3794.00000	2862.00000	83.20000	41.20000	.21950	.21700	.20810	.22100	.21850	.22160
.648	13.490	3795.00000	2860.00000	83.40000	41.30000	.21480	.21880	.21420	.21860	.21710	.21860
.648	14.550	3795.00000	2861.00000	83.70000	41.60000	.21120	.21510	.21370	.21510	.21700	.21620
.648	15.640	3794.00000	2866.00000	83.80000	42.00000	.20750	.21770	.21390	.21090	.21280	.21050
.648	16.760	3795.00000	2860.00000	83.70000	41.50000	.21083	.21400	.21990	.21690	.21630	.21440
.648	17.870	3795.00000	2861.00000	84.00000	41.80000	.20290	.20800	.21450	.20860	.20940	.20730
	GRADIENT	.09074	.68447	.07280	.10031	.00210	-.00077	-.00025	-.00105	.00003	-.00041

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E049) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.239	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 49/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.150	3793.00000	2861.00000	83.70000	41.60000	.17310	.20000	.19390	.19120	.17500	.19080
.648	-.030	3794.00000	2861.00000	84.00000	41.90000	.18830	.19580	.19370	.19500	.19580	.20820
.648	2.190	3794.00000	2859.00000	84.10000	41.80000	.19340	.19250	.19590	.20010	.19900	.20070
.648	4.470	3794.00000	2861.00000	84.40000	42.20000	.17520	.19410	.19030	.18590	.17870	.18800
.648	6.770	3794.00000	2862.00000	84.50000	42.40000	.17620	.18340	.19310	.18630	.19010	.18840
.648	9.070	3794.00000	2861.00000	84.60000	42.40000	.19750	.20180	.20810	.20370	.21210	.22620
.648	11.350	3794.00000	2860.00000	84.70000	42.50000	.21370	.21930	.21180	.21600	.22690	.23300
.648	12.470	3794.00000	2860.00000	84.80000	42.50000	.21310	.22270	.21620	.21660	.22310	.24060
.648	13.570	3794.00000	2862.00000	85.00000	42.90000	.20510	.21620	.21500	.22280	.22230	.22210
.648	14.640	3795.00000	2865.00000	85.30000	43.20000	.20500	.21850	.21510	.21450	.21870	.21960
.648	15.740	3795.00000	2861.00000	85.40000	43.10000	.21280	.21090	.21590	.21530	.21990	.21650
.648	16.840	3794.00000	2863.00000	85.70000	43.50000	.20250	.20820	.21200	.20040	.20590	.20590
.648	17.940	3793.00000	2861.00000	85.00000	42.80000	.19750	.19730	.21080	.20490	.20220	.20320
	GRADIENT	.13411	-.08777	.09958	.07706	.00046	-.00094	-.00040	-.00052	.00058	-.00077

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E050) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.238	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 50/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.010	3830.00000	2891.00000	84.30000	42.20000	.18170	.18840	.18670	.19070	.18630	.19340
.647	-3.990	3830.00000	2889.00000	84.40000	42.30000	.18560	.18630	.18830	.18830	.19040	.19360
.647	-2.970	3830.00000	2890.00000	84.50000	42.40000	.19040	.19810	.19100	.19540	.19330	.20750
.647	-1.950	3830.00000	2892.00000	84.60000	42.60000	.18020	.18120	.15820	.17100	.17580	.17660
.647	-.930	3830.00000	2894.00000	84.60000	42.70000	.18290	.19230	.18230	.18920	.19130	.19650
.647	.010	3831.00000	2891.00000	84.80000	42.70000	.19790	.19980	.18990	.20390	.20560	.20540
.647	1.030	3831.00000	2895.00000	85.00000	43.10000	.19270	.20340	.19120	.20000	.19790	.19880
.647	2.090	3830.00000	2892.00000	85.00000	43.00000	.17920	.18610	.19220	.19350	.18720	.18850
.647	3.130	3831.00000	2887.00000	85.20000	42.90000	.19350	.20390	.19790	.20040	.20470	.21370
.647	4.170	3831.00000	2887.00000	85.30000	43.00000	.18140	.18060	.18970	.17810	.18060	.18350
.647	5.200	3831.00000	2889.00000	85.50000	43.30000	.18350	.19810	.18980	.18170	.19080	.18810
.647	6.230	3830.00000	2888.00000	85.70000	43.40000	.17820	.17640	.18350	.18160	.18430	.18010
.647	7.260	3831.00000	2885.00000	85.60000	43.20000	.18210	.18060	.18970	.18970	.18770	.18600
	GRADIENT	.13031	-.26960	.11311	.08989	-.00001	.00023	.00168	.00046	.00037	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E051) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.226	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 51/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.070	3830.00000	2891.00000	86.60000	44.40000	.19630	.22150	.21030	.20960	.20110	.20960
.647	-4.050	3830.00000	2887.00000	86.50000	44.10000	.20250	.22750	.21790	.22020	.21020	.22520
.647	-3.030	3829.00000	2890.00000	86.50000	44.30000	.20130	.23010	.21780	.21920	.20730	.21900
.647	-2.000	3830.00000	2889.00000	86.70000	44.40000	.20190	.21840	.21880	.21960	.21270	.21880
.647	-.970	3830.00000	2885.00000	86.80000	44.30000	.20470	.22090	.22030	.21970	.21110	.21760
.647	.050	3830.00000	2890.00000	86.90000	44.60000	.21240	.21660	.21580	.21470	.21410	.21450
.647	1.080	3830.00000	2888.00000	87.00000	44.60000	.21100	.22100	.21800	.21930	.21990	.22350
.647	2.110	3830.00000	2890.00000	87.20000	44.90000	.20350	.21980	.21790	.22340	.22090	.22210
.647	3.140	3830.00000	2889.00000	87.00000	44.70000	.20430	.22640	.22000	.22350	.22160	.22230
.647	4.180	3830.00000	2888.00000	87.20000	44.80000	.20680	.22470	.22030	.21970	.23030	.22740
.647	5.220	3830.00000	2892.00000	87.40000	45.20000	.20230	.21800	.21260	.21930	.22100	.21510
.647	6.260	3831.00000	2892.00000	87.50000	45.30000	.18860	.20390	.20540	.18970	.20850	.20980
.647	7.290	3830.00000	2889.00000	87.50000	45.10000	.16990	.19000	.20150	.18370	.19000	.19130
	GRADIENT	.04864	.09665	.08913	.08586	.00058	-.00031	.00020	.00029	.00241	.00051

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E052) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.068	BETA =	.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 52/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.140	3830.00000	2888.00000	87.40000	45.00000	.18150	.18840	.20130	.19650	.19610	.19940
.648	.000	3829.00000	2885.00000	87.60000	45.10000	.18770	.19240	.20530	.19390	.19990	.21300
.648	2.210	3830.00000	2885.00000	87.70000	45.10000	.19520	.20240	.20220	.18790	.20000	.20640
.648	4.440	3829.00000	2890.00000	87.80000	45.50000	.19700	.19910	.19930	.20220	.19420	.20030
.648	6.690	3830.00000	2889.00000	87.90000	45.60000	.19400	.19880	.19880	.19270	.19790	.19690
.648	8.980	3830.00000	2885.00000	88.20000	45.60000	.20780	.20410	.20700	.20870	.21120	.21120
.648	11.240	3830.00000	2888.00000	88.30000	45.80000	.21290	.21330	.20690	.21790	.22100	.22330
.648	12.360	3829.00000	2890.00000	88.60000	46.20000	.21450	.21130	.20570	.21700	.21530	.21360
.648	13.490	3829.00000	2891.00000	88.70000	46.40000	.20290	.20900	.20540	.21210	.20750	.21420
.648	14.570	3831.00000	2887.00000	88.80000	46.20000	.20960	.20980	.20780	.21110	.21110	.21440
.648	15.660	3830.00000	2887.00000	88.90000	46.30000	.20790	.20250	.21000	.21330	.21290	.21560
.648	16.790	3848.00000	2898.00000	89.30000	46.60000	.20890	.20850	.20170	.20850	.20940	.20770
.648	17.910	3849.00000	2899.00000	89.40000	46.70000	.19940	.20310	.20270	.20310	.19460	.20200
	GRADIENT	-.09070	.28059	.05912	.06856	.00246	.00191	-.00042	.00052	-.00026	-.00020

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E053) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 53/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.160	3847.00000	2900.00000	89.00000	46.50000	.17360	.19120	.19490	.19000	.18020	.19270
.648	-.020	3848.00000	2899.00000	89.10000	46.40000	.18650	.19660	.19600	.19620	.20060	.19970
.648	2.200	3847.00000	2899.00000	89.10000	46.50000	.18890	.19580	.19290	.19720	.19580	.19990
.648	4.480	3849.00000	2901.00000	89.20000	46.60000	.17340	.18400	.19150	.18650	.17360	.18570
.648	6.780	3849.00000	2903.00000	89.40000	46.80000	.17290	.17770	.18620	.18120	.18540	.18190
.648	9.090	3850.00000	2900.00000	89.30000	46.60000	.19880	.20590	.20750	.20190	.20830	.22030
.648	11.360	3848.00000	2899.00000	89.60000	46.90000	.20170	.21250	.22300	.21040	.22180	.22820
.648	12.470	3849.00000	2903.00000	89.60000	47.10000	.19890	.22110	.21990	.21820	.21950	.22090
.648	13.570	3848.00000	2903.00000	89.50000	47.00000	.19760	.22270	.21940	.21190	.21630	.21210
.648	14.660	3849.00000	2902.00000	89.80000	47.20000	.19960	.21780	.21780	.21070	.21320	.21700
.648	15.760	3849.00000	2904.00000	90.00000	47.50000	.19270	.20580	.21200	.20600	.20930	.21220
.648	16.870	3849.00000	2902.00000	90.00000	47.30000	.19510	.19820	.21020	.20860	.21270	.21230
.648	17.990	3850.00000	2900.00000	90.10000	47.30000	.19870	.19800	.20940	.20360	.20570	.20240
	GRADIENT	.22701	.13971	.02709	.01836	.00004	-.00104	-.00060	-.00045	-.00117	-.00097

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E054) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 54/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.010	3865.00000	2916.00000	90.00000	47.50000	.17440	.18370	.17870	.18100	.17270	.18180
.647	-3.990	3865.00000	2919.00000	89.90000	47.50000	.17610	.18270	.18390	.18480	.18250	.18230
.647	-2.970	3865.00000	2914.00000	90.00000	47.40000	.18710	.19970	.18840	.20450	.19250	.19950
.647	-1.950	3865.00000	2918.00000	89.90000	47.50000	.17640	.17720	.16050	.17250	.17790	.17720
.647	-.930	3865.00000	2915.00000	90.10000	47.50000	.18780	.19810	.19340	.18900	.19300	.19400
.647	.010	3865.00000	2917.00000	90.00000	47.60000	.19870	.20080	.19370	.20220	.19750	.20180
.647	1.040	3865.00000	2915.00000	90.40000	47.80000	.19430	.20050	.19480	.19620	.20400	.20840
.647	2.090	3865.00000	2916.00000	90.20000	47.70000	.18220	.18010	.17350	.18400	.17990	.19150
.647	3.130	3865.00000	2915.00000	90.40000	47.80000	.19220	.19940	.20250	.19630	.20770	.21720
.647	4.180	3865.00000	2914.00000	90.30000	47.70000	.19530	.21120	.19040	.17860	.18930	.18070
.647	5.200	3865.00000	2919.00000	90.40000	48.00000	.17660	.20270	.19340	.20070	.20420	.20170
.647	6.230	3865.00000	2915.00000	90.40000	47.80000	.16820	.17310	.18160	.17480	.17730	.18220
.647	7.260	3865.00000	2916.00000	90.40000	47.80000	.17210	.17950	.18220	.18220	.18300	.17810
	GRADIENT	-.00001	-.34552	.06056	.04406	.00179	.00199	.00156	-.00034	.00142	.00112

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E055) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.062	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 55/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.070	3865.00000	2915.00000	90.50000	47.90000	.16870	.21620	.20400	.21440	.19290	.21290
.648	-4.060	3865.00000	2917.00000	90.60000	48.10000	.17690	.21980	.20960	.21310	.19040	.21520
.648	-3.030	3865.00000	2916.00000	90.50000	47.90000	.18630	.22210	.21300	.21030	.19930	.21570
.648	-2.000	3865.00000	2916.00000	90.70000	48.10000	.18610	.21480	.21300	.20780	.19460	.21210
.648	-.970	3864.00000	2918.00000	90.70000	48.30000	.19910	.21960	.21160	.21400	.19930	.21630
.648	.050	3865.00000	2920.00000	90.50000	48.10000	.20180	.21050	.20860	.21130	.20950	.21400
.648	1.080	3865.00000	2915.00000	90.80000	48.20000	.20540	.21840	.21490	.21550	.22220	.22110
.648	2.110	3865.00000	2917.00000	90.80000	48.20000	.19990	.22430	.21680	.21350	.21950	.21890
.648	3.140	3866.00000	2915.00000	90.90000	48.20000	.20000	.21670	.22070	.22480	.22270	.22580
.648	4.180	3866.00000	2917.00000	90.80000	48.30000	.19690	.21950	.21460	.22760	.22820	.22820
.648	5.230	3866.00000	2915.00000	90.80000	48.20000	.19470	.22260	.21580	.23210	.23070	.23190
.648	6.260	3866.00000	2915.00000	91.00000	48.30000	.19410	.21390	.21790	.21420	.21970	.22200
.648	7.290	3865.00000	2920.00000	91.00000	48.60000	.17760	.18300	.18420	.20480	.19790	.18650
	GRADIENT	.12961	-.06484	.03726	.02917	.00251	.00001	.00087	.00185	.00476	.00163

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E056) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.094	BETA =	.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 56/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.160	3865.00000	2918.00000	90.70000	48.20000	.12150	.13280	.11880	.14280	.15540	.16120
.647	-.010	3865.00000	2918.00000	90.60000	48.10000	.13100	.13440	.12540	.14470	.14510	.15470
.647	2.210	3866.00000	2918.00000	90.80000	48.30000	.12340	.13000	.11690	.13540	.13430	.14930
.647	4.440	3865.00000	2919.00000	90.60000	48.20000	.11920	.12770	.11650	.13480	.14100	.14910
.647	6.690	3866.00000	2921.00000	90.80000	48.50000	.11920	.12420	.10890	.12960	.13320	.13860
.647	8.970	3866.00000	2918.00000	91.00000	48.40000	.11870	.12600	.10070	.13110	.12950	.14270
.647	11.240	3867.00000	2916.00000	91.10000	48.40000	.11780	.12460	.12280	.13230	.12730	.14180
.647	12.370	3866.00000	2917.00000	91.00000	48.40000	.11690	.12910	.11920	.13470	.12310	.13990
.647	13.500	3867.00000	2916.00000	91.20000	48.50000	.12020	.11690	.11900	.13100	.12440	.14340
.647	14.570	3867.00000	2919.00000	91.30000	48.70000	.12300	.12420	.10960	.14120	.13020	.14120
.647	15.660	3867.00000	2915.00000	91.30000	48.50000	.12250	.13960	.11730	.13810	.14430	.15010
.647	16.780	3867.00000	2915.00000	91.40000	48.70000	.12640	.12450	.13320	.14330	.14370	.14700
.647	17.900	3868.00000	2918.00000	91.70000	49.10000	.14490	.15550	.12970	.14390	.16100	.16270
	GRADIENT	.04495	.13693	-.00454	.00916	-.00067	-.00090	-.00071	-.00152	-.00244	-.00189

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E057) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.089	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 57/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.170	3867.00000	2916.00000	91.50000	48.80000	.12260	.13910	.12050	.16320	.16180	.16630
.648	-.040	3867.00000	2920.00000	91.40000	48.90000	.12690	.13170	.11860	.13870	.15470	.15820
.648	2.190	3867.00000	2915.00000	91.70000	48.90000	.12860	.13830	.12450	.13950	.15310	.15640
.648	4.450	3867.00000	2915.00000	91.50000	48.80000	.13000	.14670	.12380	.13480	.14770	.15290
.648	6.760	3867.00000	2917.00000	91.70000	49.00000	.13300	.14540	.12760	.11920	.14990	.15070
.648	9.070	3867.00000	2919.00000	91.70000	49.10000	.12830	.14280	.12790	.11550	.13880	.14110
.648	11.340	3867.00000	2915.00000	92.00000	49.20000	.12560	.13030	.12910	.12660	.14250	.15100
.648	12.480	3883.00000	2930.00000	92.10000	49.40000	.12450	.12880	.12550	.13090	.13170	.14960
.648	13.590	3884.00000	2928.00000	92.30000	49.50000	.13750	.12110	.13440	.13110	.13980	.14800
.648	14.670	3884.00000	2927.00000	92.20000	49.40000	.11500	.13020	.13290	.13120	.14290	.15150
.648	15.760	3883.00000	2930.00000	92.20000	49.50000	.11900	.14450	.12730	.12360	.13490	.14820
.648	16.860	3883.00000	2927.00000	92.40000	49.50000	.11710	.14440	.14130	.14810	.14810	.15900
.648	17.990	3884.00000	2929.00000	92.40000	49.70000	.12990	.15800	.15560	.15040	.16580	.16790
	GRADIENT	.00001	-.36942	.01357	-.00027	.00108	.00135	.00072	-.00379	-.00198	-.00189

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E058) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .155 ALPHA = 6.000
SPDBRK = 15.000 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 58/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.000	3883.00000	2928.00000	92.00000	49.30000	.12650	.09610	.11350	.09710	.11660	.14600
.648	-3.990	3883.00000	2929.00000	92.10000	49.40000	.13450	.10180	.12380	.10340	.12280	.13700
.648	-2.970	3882.00000	2928.00000	92.20000	49.40000	.13970	.11420	.12210	.12120	.13190	.14670
.648	-1.950	3882.00000	2927.00000	92.10000	49.40000	.13320	.12000	.12270	.13560	.14260	.14840
.648	-.930	3882.00000	2929.00000	92.30000	49.60000	.12250	.12440	.11390	.14160	.14000	.14660
.648	.010	3882.00000	2927.00000	91.90000	49.10000	.12460	.12460	.10900	.13820	.13050	.14080
.648	1.040	3884.00000	2931.00000	92.20000	49.50000	.12590	.12850	.10900	.13060	.13970	.14560
.648	2.090	3885.00000	2928.00000	92.10000	49.30000	.13330	.14360	.12820	.11860	.14790	.15380
.648	3.130	3884.00000	2928.00000	92.10000	49.40000	.13270	.14670	.13170	.12860	.14750	.14950
.648	4.170	3883.00000	2931.00000	92.10000	49.40000	.13740	.14190	.12630	.11720	.15070	.15420
.648	5.190	3884.00000	2931.00000	92.40000	49.70000	.13080	.12050	.12930	.11180	.14460	.14230
.648	6.220	3883.00000	2933.00000	92.30000	49.80000	.12390	.11400	.12740	.12040	.13810	.14660
.648	7.250	3884.00000	2926.00000	92.40000	49.50000	.11590	.10110	.14700	.12960	.15990	.17000
	GRADIENT	.22886	.19757	-.00636	-.00463	-.00008	.00507	.00076	.00052	.00278	.00144

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E059) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	.042	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 59/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3884.00000	2928.00000	92.40000	49.60000	.13470	.08810	.10140	.10020	.13410	.14020
.648	-4.050	3883.00000	2929.00000	92.50000	49.70000	.12090	.08610	.11340	.10710	.12110	.13730
.648	-3.020	3883.00000	2930.00000	92.50000	49.80000	.12570	.09210	.11490	.11060	.11140	.13560
.648	-2.000	3883.00000	2929.00000	92.40000	49.70000	.12240	.09400	.11790	.12080	.13070	.13620
.648	-.970	3884.00000	2930.00000	92.70000	49.90000	.11810	.11570	.11590	.12330	.12310	.13480
.648	.050	3883.00000	2932.00000	92.50000	50.00000	.11190	.11710	.11850	.13130	.12160	.13530
.648	1.080	3882.00000	2929.00000	92.40000	49.70000	.11900	.12850	.12520	.12850	.12810	.14460
.648	2.110	3883.00000	2927.00000	92.50000	49.70000	.12060	.12860	.13380	.13810	.13580	.14940
.648	3.140	3883.00000	2929.00000	92.60000	49.90000	.13150	.13330	.13150	.12940	.14960	.16160
.648	4.180	3884.00000	2929.00000	92.80000	50.00000	.12170	.13200	.14230	.13280	.15030	.16290
.648	5.220	3884.00000	2932.00000	92.80000	50.20000	.10420	.11370	.13710	.12200	.15460	.16350
.648	6.250	3883.00000	2931.00000	92.70000	50.00000	.12970	.11530	.14500	.12970	.16290	.17350
.648	7.280	3884.00000	2926.00000	92.90000	50.00000	.14570	.12520	.13730	.13050	.17240	.16500
	GRADIENT	.03268	-.12990	.02276	.02110	.00029	.00631	.00335	.00318	.00400	.00351

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E060) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 6.037 BETA = .000
SPDBRK = 15.000 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 60/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.180	3883.00000	2928.00000	92.40000	49.60000	.10540	.10090	.09100	.11510	.12460	.14640
.648	-.030	3882.00000	2930.00000	92.50000	49.80000	.10760	.09000	.09500	.11590	.11030	.13980
.648	2.190	3883.00000	2932.00000	92.40000	49.80000	.11160	.10990	.09710	.12400	.11050	.13550
.648	4.430	3883.00000	2931.00000	92.50000	49.90000	.10890	.10190	.09880	.11650	.11720	.13000
.648	6.670	3884.00000	2930.00000	92.50000	49.80000	.09930	.10150	.09820	.11370	.11370	.12380
.648	8.960	3884.00000	2928.00000	92.70000	49.80000	.09540	.10050	.07600	.11860	.10730	.12740
.648	11.230	3884.00000	2928.00000	92.60000	49.80000	.09440	.09940	.09180	.11540	.10310	.12130
.648	12.360	3884.00000	2930.00000	92.80000	50.10000	.09300	.09630	.09790	.11660	.10570	.12360
.648	13.500	3884.00000	2928.00000	92.90000	50.00000	.08910	.09470	.09800	.11050	.10270	.12530
.648	14.570	3883.00000	2929.00000	92.90000	50.10000	.09170	.09870	.09560	.10810	.10460	.11990
.648	15.670	3884.00000	2931.00000	93.00000	50.30000	.08770	.10000	.08890	.10930	.11340	.11770
.648	16.780	3884.00000	2931.00000	93.10000	50.40000	.08490	.09850	.09190	.12200	.12220	.12820
.648	17.910	3884.00000	2925.00000	93.30000	50.30000	.09920	.09940	.09640	.13040	.13310	.12960
	GRADIENT	.04658	.49635	.00903	.04069	.00065	.00105	.00115	.00055	-.00098	-.00242

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E061) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.984	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 61/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.180	3882.00000	2930.00000	92.90000	50.20000	.06500	.10430	.08500	.12390	.14440	.14890
.647	-.040	3882.00000	2930.00000	92.80000	50.10000	.10100	.09730	.08920	.11870	.12740	.14370
.647	2.180	3883.00000	2931.00000	93.00000	50.30000	.11150	.10580	.09050	.11730	.12870	.13650
.647	4.450	3882.00000	2931.00000	92.90000	50.30000	.10280	.11030	.09400	.10820	.12490	.12470
.647	6.750	3883.00000	2934.00000	93.00000	50.40000	.11030	.10990	.09620	.10510	.11300	.11790
.647	9.070	3884.00000	2931.00000	93.00000	50.30000	.10760	.10780	.09090	.09830	.10570	.12200
.647	11.350	3883.00000	2928.00000	93.20000	50.30000	.08550	.09740	.09110	.10010	.10380	.12830
.647	12.470	3882.00000	2930.00000	93.20000	50.50000	.09220	.10400	.10110	.10630	.10420	.11470
.647	13.560	3882.00000	2933.00000	93.30000	50.70000	.08180	.09730	.09360	.09850	.10250	.11570
.647	14.660	3883.00000	2928.00000	93.40000	50.50000	.06950	.08760	.08990	.10490	.10670	.11720
.647	15.750	3883.00000	2933.00000	93.40000	50.70000	.07360	.10250	.09690	.10690	.09630	.12070
.647	16.860	3883.00000	2928.00000	93.50000	50.60000	.08970	.10680	.10600	.11960	.12080	.12270
.647	17.980	3884.00000	2930.00000	93.70000	50.80000	.08960	.11440	.09060	.11670	.11730	.12350
	GRADIENT	.04408	.18101	.00908	.02277	.00554	.00121	.00128	-.00220	-.00257	-.00362

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E062) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 6.009 ALPHA = 6.000
SPDBRK = 15.000 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 62/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.000	3883.00000	2928.00000	93.30000	50.40000	.10260	.06990	.07890	.07130	.09310	.10440
.648	-3.980	3881.00000	2929.00000	93.30000	50.60000	.10160	.07300	.07540	.08800	.10350	.10940
.648	-2.970	3881.00000	2927.00000	93.30000	50.50000	.10990	.08210	.08480	.10760	.11250	.11690
.648	-1.940	3881.00000	2930.00000	93.40000	50.60000	.10670	.09150	.08670	.11130	.11750	.12340
.648	-.930	3881.00000	2927.00000	93.30000	50.50000	.09830	.09340	.08970	.11380	.12120	.12730
.648	.010	3881.00000	2929.00000	93.20000	50.50000	.09540	.10430	.09190	.11680	.11270	.12470
.648	1.040	3882.00000	2929.00000	93.40000	50.60000	.09870	.09980	.08580	.11300	.10620	.12240
.648	2.080	3882.00000	2931.00000	93.50000	50.80000	.10990	.10700	.08800	.10600	.11570	.12080
.648	3.130	3881.00000	2928.00000	93.50000	50.70000	.09620	.11820	.10010	.09190	.12010	.12690
.648	4.160	3881.00000	2930.00000	93.40000	50.70000	.09850	.11850	.09710	.07970	.11810	.12080
.648	5.190	3882.00000	2933.00000	93.60000	51.00000	.09840	.11270	.08890	.06320	.11270	.11510
.648	6.220	3883.00000	2930.00000	93.50000	50.70000	.08580	.10990	.08490	.04760	.10620	.10560
.648	7.250	3881.00000	2930.00000	93.70000	50.90000	.07610	.08850	.08070	.05610	.10010	.10090
	GRADIENT	.04836	.18000	.02149	.02473	-.00076	.00538	.00216	-.00154	.00104	.00107

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E063) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	6.008	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 63/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.070	3883.00000	2930.00000	93.50000	50.70000	.08200	.06300	.07340	.06920	.07620	.10010
.647	-4.050	3881.00000	2930.00000	93.60000	50.90000	.08250	.05810	.06760	.08700	.07960	.10700
.647	-3.030	3881.00000	2929.00000	93.70000	50.90000	.08380	.07130	.08460	.09620	.09390	.11060
.647	-2.000	3881.00000	2931.00000	93.80000	51.10000	.08680	.08660	.08370	.10940	.09930	.11190
.647	-.970	3881.00000	2931.00000	94.00000	51.30000	.08800	.09340	.08430	.10990	.09980	.11910
.647	.050	3881.00000	2927.00000	93.80000	50.90000	.08570	.09510	.09240	.10010	.10210	.12700
.647	1.080	3882.00000	2930.00000	93.90000	51.10000	.08340	.10050	.09570	.10090	.09840	.11380
.647	2.110	3882.00000	2928.00000	94.00000	51.10000	.08700	.10370	.10900	.09910	.10630	.12200
.647	3.140	3882.00000	2928.00000	94.00000	51.10000	.06910	.09650	.09010	.09810	.10020	.12100
.647	4.180	3881.00000	2932.00000	94.10000	51.40000	.08100	.08760	.08410	.08180	.09690	.11370
.647	5.220	3882.00000	2929.00000	94.10000	51.30000	.08010	.09250	.08670	.07310	.10200	.11010
.647	6.250	3882.00000	2928.00000	94.30000	51.40000	.08890	.07610	.09220	.07120	.09760	.08870
.647	7.280	3881.00000	2927.00000	94.30000	51.40000	.06760	.07620	.07660	.06120	.08440	.09560
	GRADIENT	.09708	-.03158	.05187	.03896	-.00088	.00380	.00234	-.00073	.00163	.00118

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E064) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.995	BETA =	.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 64/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.180	3881.00000	2930.00000	93.80000	51.10000	.04740	.10340	.08520	.12140	.13030	.14520
.647	-.030	3881.00000	2931.00000	93.70000	51.00000	.09350	.09270	.08500	.11670	.11300	.12950
.647	2.190	3881.00000	2930.00000	93.60000	50.90000	.09820	.09360	.07870	.12070	.10890	.13270
.647	4.420	3881.00000	2931.00000	93.70000	51.10000	.09830	.09480	.07680	.11780	.11470	.12190
.647	6.670	3882.00000	2928.00000	93.90000	51.10000	.08640	.09240	.08250	.10790	.10810	.12130
.647	8.950	3881.00000	2932.00000	93.70000	51.10000	.07810	.08060	.07640	.10610	.09800	.11060
.647	11.230	3882.00000	2930.00000	94.00000	51.20000	.07540	.08420	.07680	.10120	.09250	.11250
.647	12.360	3881.00000	2928.00000	94.00000	51.10000	.06400	.07880	.07960	.10010	.08950	.10670
.647	13.490	3881.00000	2928.00000	94.00000	51.20000	.04860	.06900	.05580	.09120	.07950	.10150
.647	14.570	3881.00000	2932.00000	94.10000	51.40000	.04190	.06280	.05180	.07680	.06530	.08240
.647	15.670	3881.00000	2929.00000	94.10000	51.30000	.04950	.05670	.04620	.07070	.06740	.08930
.647	16.770	3881.00000	2930.00000	94.30000	51.50000	.05193	.05980	.03830	.06780	.07090	.08370
.647	17.910	3882.00000	2928.00000	94.40000	51.50000	.03560	.06620	.03740	.06290	.08350	.09290
	GRADIENT	.00001	.09032	-.01802	-.00433	.00711	-.00112	-.00143	-.00031	-.00229	-.00302

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E065) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.007	BETA =	2.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 65/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.090	3882.00000	2928.00000	93.90000	51.10000	.09120	.07920	.05720	.11460	.12780	.13500
.648	.080	3881.00000	2933.00000	93.80000	51.30000	.09820	.08740	.07150	.11350	.11230	.12820
.648	2.300	3881.00000	2932.00000	93.80000	51.20000	.10590	.09910	.08460	.11420	.11610	.12890
.648	4.540	3883.00000	2931.00000	94.10000	51.30000	.03820	.09910	.09020	.10420	.11130	.12160
.648	6.790	3883.00000	2928.00000	94.00000	51.10000	.09600	.08660	.08120	.10160	.10260	.11760
.648	9.030	3884.00000	2929.00000	94.20000	51.30000	.08720	.09440	.07220	.09010	.09300	.10910
.648	11.270	3883.00000	2927.00000	94.40000	51.50000	.07160	.07280	.06380	.08810	.08170	.10000
.648	12.400	3883.00000	2927.00000	94.40000	51.40000	.05780	.07190	.06620	.07610	.08000	.09600
.648	13.500	3884.00000	2931.00000	94.50000	51.60000	.04080	.06540	.06450	.06810	.07240	.09730
.648	14.590	3884.00000	2927.00000	94.60000	51.60000	.04010	.05180	.05750	.06620	.07250	.08470
.648	15.680	3884.00000	2928.00000	94.70000	51.70000	.03990	.05570	.04750	.07180	.06700	.09010
.648	16.790	3884.00000	2927.00000	94.80000	51.80000	.04980	.05900	.04770	.07400	.08000	.09870
.648	17.920	3884.00000	2926.00000	95.00000	51.90000	.03510	.06490	.04110	.07350	.08540	.08850
	GRADIENT	.13777	.35715	.02741	.02251	.00129	.00322	.00506	-.00138	-.00206	-.00179

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E066) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.028	ALPHA =	6.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 66/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.020	3883.00000	2930.00000	94.70000	51.90000	.08090	.04930	.06680	.07010	.07400	.08640
.647	-3.990	3882.00000	2927.00000	94.70000	51.70000	.08450	.05960	.06640	.09130	.09010	.10140
.647	-2.970	3881.00000	2928.00000	94.80000	51.90000	.08540	.07000	.07120	.09080	.09490	.11080
.647	-1.960	3881.00000	2931.00000	94.40000	51.70000	.09330	.07940	.07820	.09820	.10730	.10860
.647	-.940	3881.00000	2930.00000	94.80000	52.00000	.08630	.08570	.08170	.11560	.10730	.11500
.647	.010	3882.00000	2930.00000	94.60000	51.80000	.09140	.08410	.08410	.10620	.10580	.11630
.647	1.030	3881.00000	2929.00000	94.70000	51.80000	.08790	.09060	.07780	.11100	.10380	.11760
.647	2.090	3882.00000	2930.00000	94.60000	51.70000	.09770	.09190	.08370	.09590	.11030	.11460
.647	3.130	3882.00000	2927.00000	94.60000	51.70000	.08120	.08570	.07810	.09390	.09870	.11250
.647	4.170	3883.00000	2929.00000	94.50000	51.60000	.07260	.08810	.06600	.08500	.09400	.10390
.647	5.200	3881.00000	2929.00000	94.50000	51.60000	.07030	.09210	.07460	.07930	.09510	.09880
.647	6.220	3882.00000	2926.00000	94.70000	51.70000	.07040	.08950	.06930	.06560	.08580	.09200
.647	7.250	3882.00000	2932.00000	94.60000	51.90000	.04930	.07450	.06670	.04660	.07620	.07080
	GRADIENT	.14829	.03110	-.01808	-.01978	-.00083	.00312	.00041	-.00040	.00047	.00047

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E067) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.004	ALPHA =	12.000
SPDBRK =	15.000	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 67/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-6.070	3883.00000	2926.00000	94.70000	51.60000	.05120	.03680	.04600	.06040	.05470	.06200
.649	-4.050	3881.00000	2931.00000	94.60000	51.90000	.04800	.04620	.04530	.07360	.06120	.08560
.649	-3.030	3881.00000	2931.00000	94.40000	51.70000	.06370	.05610	.05710	.08500	.07450	.08910
.649	-2.000	3881.00000	2930.00000	94.80000	52.00000	.05780	.06560	.05610	.08630	.06370	.09970
.649	-.970	3881.00000	2930.00000	94.70000	51.80000	.06270	.06620	.05480	.09050	.07710	.09840
.649	.050	3881.00000	2931.00000	94.70000	51.90000	.06170	.06020	.05770	.07650	.07200	.09860
.649	1.080	3881.00000	2929.00000	94.80000	51.90000	.05320	.06520	.07240	.08160	.07730	.10240
.649	2.110	3881.00000	2929.00000	94.80000	51.90000	.04570	.06080	.05340	.07730	.07010	.09150
.649	3.140	3881.00000	2931.00000	94.80000	52.00000	.03610	.05510	.04990	.05920	.05280	.08560
649	4.180	3881.00000	2927.00000	94.60000	51.70000	.04960	.05230	.03600	.04920	.05950	.07370
.649	5.220	3881.00000	2938.00000	94.70000	52.20000	.03750	.05820	.03250	.04790	.04080	.05490
.649	6.250	3882.00000	2929.00000	95.00000	52.10000	.04510	.03710	.03330	.03030	.04100	.06050
.649	7.290	3881.00000	2931.00000	94.90000	52.10000	.02760	.03200	.03180	.03280	.03860	.04660
	GRADIENT	-.00000	-.30834	.02104	-.00003	-.00179	.00017	-.00076	-.00328	-.00112	-.00115

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E068) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.259	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 68/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.140	3865.00000	2916.00000	92.80000	50.10000	.18610	.20670	.21650	.19720	.19970	.21750
.647	-.010	3865.00000	2917.00000	93.00000	50.30000	.19040	.20330	.21280	.18460	.19540	.21490
.647	2.210	3866.00000	2913.00000	93.20000	50.20000	.18990	.19530	.21010	.19260	.20290	.20890
.647	3.980	3882.00000	2930.00000	93.20000	50.50000	.18480	.19260	.18970	.18600	.19570	.19860
.647	5.960	3883.00000	2929.00000	93.40000	50.60000	.18310	.19320	.18990	.18580	.18870	.19860
.647	8.000	3883.00000	2931.00000	93.30000	50.60000	.17810	.19330	.19310	.19850	.19580	.19440
.647	10.030	3883.00000	2928.00000	93.40000	50.50000	.20970	.21210	.20000	.21130	.21170	.21710
.647	11.050	3883.00000	2929.00000	93.40000	50.60000	.22000	.22050	.20380	.21720	.21880	.22110
.647	12.020	3883.00000	2929.00000	93.60000	50.80000	.21850	.21930	.20700	.22360	.22140	.22060
.647	13.040	3883.00000	2930.00000	93.50000	50.80000	.20710	.21720	.20870	.21720	.21300	.21780
.647	14.040	3883.00000	2929.00000	93.60000	50.80000	.20950	.21590	.21200	.21280	.21490	.21530
.647	15.030	3882.00000	2929.00000	93.70000	50.90000	.20920	.21500	.21340	.21790	.21540	.21380
.647	16.050	3883.00000	2929.00000	93.70000	50.80000	.21330	.22050	.21330	.21540	.21800	.21370
	GRADIENT	2.43548	1.74144	.06898	.05202	-.00017	-.00245	-.00393	-.00122	-.00017	-.00301

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E069) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.252	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 69/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.646	-2.100	3884.00000	2931.00000	94.00000	51.20000	.17970	.19960	.21260	.19510	.18320	.19610
.646	-.080	3882.00000	2933.00000	93.50000	50.90000	.18780	.20310	.19050	.18990	.19650	.20640
.646	1.930	3882.00000	2932.00000	93.50000	50.80000	.18800	.19480	.18920	.18510	.19400	.20430
.646	3.990	3884.00000	2931.00000	93.50000	50.80000	.18080	.19280	.19220	.18270	.18680	.19860
.646	6.030	3884.00000	2930.00000	93.60000	50.80000	.18520	.20090	.19650	.19010	.19320	.19630
.646	8.110	3884.00000	2932.00000	93.80000	51.10000	.18720	.20440	.20020	.19400	.20170	.21180
.646	10.130	3884.00000	2930.00000	93.80000	50.90000	.20220	.21430	.21680	.20790	.21210	.22280
.646	11.140	3884.00000	2931.00000	93.60000	50.80000	.21040	.21990	.21640	.20850	.21840	.22580
.646	12.130	3884.00000	2930.00000	93.80000	50.90000	.20830	.22170	.21660	.21510	.22070	.23390
.646	13.140	3884.00000	2928.00000	93.90000	50.90000	.20730	.22110	.21950	.22360	.22210	.22640
.646	14.110	3884.00000	2932.00000	94.00000	51.30000	.19920	.21740	.21660	.22010	.21530	.21840
.646	15.110	3885.00000	2935.00000	94.10000	51.40000	.21190	.21460	.21430	.21350	.21640	.21660
.646	16.120	3886.00000	2933.00000	94.30000	51.50000	.20810	.21060	.21390	.20620	.21430	.21320
	GRADIENT	.00195	-.05033	-.07379	-.06397	.00017	-.00142	-.00307	-.00207	.00040	.00026

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E070) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.242	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	6.500	GRIT =	.000

RUN NO. 70/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.040	3884.00000	2931.00000	94.30000	51.40000	.18520	.18980	.19880	.18520	.18590	.19220
.647	-3.990	3884.00000	2933.00000	94.10000	51.50000	.18650	.18750	.19600	.18560	.18210	.18380
.647	-2.960	3884.00000	2929.00000	94.30000	51.40000	.20000	.19780	.20000	.20820	.20800	.21130
.647	-1.940	3884.00000	2929.00000	94.30000	51.40000	.17680	.17840	.18350	.18830	.18480	.19070
.647	-.930	3884.00000	2929.00000	94.30000	51.40000	.18550	.19450	.18750	.19800	.18800	.19170
.647	.090	3884.00000	2931.00000	94.30000	51.50000	.17990	.19180	.18650	.18870	.18540	.19510
.647	1.150	3884.00000	2933.00000	94.40000	51.60000	.18010	.19720	.19230	.18750	.19250	.20140
.647	2.180	3884.00000	2930.00000	94.30000	51.50000	.18560	.20110	.19800	.19800	.19160	.19720
.647	3.210	3884.00000	2931.00000	94.40000	51.50000	.18640	.19220	.19700	.19140	.19920	.20790
.647	4.240	3883.00000	2931.00000	94.30000	51.50000	.18820	.19010	.18970	.20510	.21360	.20020
.647	5.260	3901.00000	2944.00000	94.60000	51.80000	.19030	.19850	.19460	.20730	.20880	.19830
.647	6.310	3902.00000	2944.00000	94.60000	51.70000	.17290	.17610	.18620	.17370	.17800	.17980
.647	7.330	3903.00000	2943.00000	94.50000	51.50000	.17110	.17800	.18400	.17950	.18210	.17840
	GRADIENT	-.05489	.06531	.01942	01135	-.00035	.00068	-.00000	.00059	.00187	.00127

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E071) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -10.231 ALPHA = 12.000
SPDBRK = 7.500 BDFLAP = -11.700
RN/L = 6.500 GRIT = .000

RUN NO. 71/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.050	3902.00000	2942.00000	94.70000	51.70000	.18280	.22290	.21100	.22170	.19240	.21490
.648	-4.050	3901.00000	2943.00000	94.50000	51.60000	.18990	.22580	.21530	.21920	.19690	.22000
.648	-3.020	3902.00000	2943.00000	94.90000	51.90000	.19410	.22290	.21720	.21700	.19980	.22110
.648	-2.000	3902.00000	2944.00000	94.90000	52.00000	.19930	.22470	.22040	.22180	.20400	.22060
.648	-.970	3902.00000	2940.00000	94.60000	51.50000	.20380	.22650	.22360	.22180	.21120	.23020
.648	.050	3901.00000	2942.00000	94.80000	51.80000	.21780	.21900	.21980	.21960	.21980	.22310
.648	1.070	3902.00000	2943.00000	95.00000	52.00000	.21270	.22370	.22010	.21600	.22250	.23420
.648	2.100	3901.00000	2943.00000	94.80000	51.90000	.21260	.21960	.21980	.21360	.21920	.23290
.648	3.140	3902.00000	2942.00000	94.90000	52.00000	.20650	.22800	.22220	.23000	.22880	.23310
.648	4.180	3902.00000	2943.00000	95.00000	52.10000	.20650	.22250	.22130	.22870	.22660	.22680
.648	5.220	3902.00000	2941.00000	95.20000	52.10000	.19900	.22190	.22130	.22620	.22330	.22520
.648	6.250	3902.00000	2941.00000	95.30000	52.20000	.20270	.21800	.22070	.22110	.22250	.21400
.648	7.290	3902.00000	2941.00000	95.20000	52.10000	.16830	.18480	.20300	.17830	.18690	.18440
	GRADIENT	.03262	-.03250	.03569	.04219	.00215	-.00018	.00056	.00089	.00401	.00149

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E072) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.019	BETA =	.000
SPDBRK =	7.500	BDFLAP =	-5.000
RN/L =	6.500	GRIT =	.000

RUN NO. 72/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.020	3903.00000	2944.00000	95.20000	52.20000	.19010	.20280	.20300	.19050	.19540	.20880
.648	-.030	3903.00000	2941.00000	95.20000	52.10000	.18390	.18860	.20310	.18390	.19190	.20270
.648	2.030	3903.00000	2944.00000	95.20000	52.20000	.17890	.18550	.19820	.18260	.19410	.19660
.648	4.040	3903.00000	2944.00000	95.30000	52.30000	.17750	.18280	.19430	.18060	.19100	.19490
.648	5.990	3903.00000	2943.00000	95.30000	52.30000	.18110	.18440	.19010	.17680	.19230	.19170
.648	8.040	3903.00000	2946.00000	95.40000	52.50000	.18750	.19060	.19060	.18220	.18790	.19330
.648	10.050	3903.00000	2945.00000	95.40000	52.50000	.20820	.20950	.19570	.20930	.21420	.21260
.648	11.080	3903.00000	2944.00000	95.60000	52.50000	.21540	.21360	.20130	.21300	.21600	.21950
.648	12.070	3904.00000	2941.00000	95.70000	52.50000	.21490	.21010	.20600	.22130	.22550	.22510
.548	13.080	3903.00000	2939.00000	95.70000	52.40000	.21440	.21310	.21050	.21600	.21330	.22110
.648	14.080	3903.00000	2941.00000	95.80000	52.60000	.20620	.20660	.20680	.20890	.20910	.21070
.648	15.080	3903.00000	2942.00000	95.70000	52.50000	.20800	.20570	.20670	.21210	.21510	.21180
.648	16.090	3903.00000	2945.00000	95.80000	52.80000	.20750	.20770	.20670	.20550	.20240	.20690
	GRADIENT	.00000	.15158	.01482	.01987	-.00211	-.00311	-.00153	-.00153	-.00054	-.00236

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E073) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -6.015 BETA = 2.000
SPDBRK = 7.500 BDFLAP = -6.000
RN/L = 6.500 GRIT = .000

RUN NO. 73/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.060	3902.00000	2942.00000	95.40000	52.30000	.18160	.19370	.19140	.20250	.20110	.20230
.648	-.050	3903.00000	2942.00000	95.30000	52.20000	.18210	.19730	.19360	.19750	.19750	.20420
.648	1.940	3903.00000	2948.00000	95.40000	52.60000	.18380	.19560	.18630	.18450	.18690	.19950
648	4.010	3903.00000	2944.00000	95.30000	52.40000	.18050	.19530	.18990	.19160	.19380	.19610
.648	6.070	3903.00000	2946.00000	95.50000	52.60000	.18340	.19700	.19040	.18820	.19140	.19740
.648	8.140	3903.00000	2945.00000	95.40000	52.40000	.18730	.19280	.20240	.18640	.20040	.20780
.648	10.170	3903.00000	2944.00000	95.60000	52.60000	.19840	.20710	.20500	.19890	.20790	.21960
.648	11.190	3903.00000	2944.00000	95.70000	52.70000	.19640	.20910	.21670	.20260	.21280	.22530
.648	12.170	3903.00000	2945.00000	95.80000	52.80000	.19530	.21280	.21540	.20230	.21170	.21690
.648	13.150	3903.00000	2946.00000	95.90000	52.90000	.19710	.21450	.21410	.20690	.21230	.22030
.648	14.170	3904.00000	2941.00000	95.90000	52.70000	.19620	.21340	.21580	.21440	.21540	.21720
.648	15.170	3904.00000	2943.00000	96.00000	52.90000	.20110	.20990	.21480	.21280	.21190	.21660
.648	16.170	3903.00000	2944.00000	96.20000	53.20000	.19970	.20710	.21120	.20840	.21100	.21290
	GRADIENT	.14801	.58715	-.01000	.03431	-.00008	.00015	-.00058	-.00225	-.00160	-.00116

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E074) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.017	ALPHA =	6.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 74/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3902.00000	2942.00000	95.80000	52.80000	.17670	.18970	.19440	.18300	.17930	.18970
.648	-3.980	3902.00000	2944.00000	95.70000	52.70000	.19390	.17940	.19230	.18980	.19820	.19310
.648	-2.960	3902.00000	2943.00000	96.00000	53.00000	.19620	.17690	.18940	.19580	.18800	.19950
.648	-1.930	3902.00000	2943.00000	95.90000	52.80000	.17270	.18230	.17880	.17740	.17570	.18310
.648	-.910	3902.00000	2942.00000	95.70000	52.60000	.17810	.19140	.18820	.18730	.18750	.19000
.648	.120	3902.00000	2941.00000	95.90000	52.80000	.18030	.18350	.18800	.17960	.18720	.19250
.648	1.150	3902.00000	2942.00000	95.70000	52.60000	.18170	.18790	.18480	.18320	.19340	.20220
.648	2.180	3901.00000	2945.00000	95.60000	52.70000	.18450	.19640	.19440	.18560	.19210	.19870
.648	3.200	3901.00000	2940.00000	95.60000	52.50000	.17860	.18520	.19460	.19090	.19830	.20930
.648	4.240	3902.00000	2945.00000	95.70000	52.80000	.18270	.20130	.20090	.18570	.19990	.21200
.648	5.270	3902.00000	2944.00000	95.80000	52.80000	.18040	.20150	.20290	.20230	.20560	.20640
.648	6.300	3902.00000	2945.00000	95.70000	52.80000	.16410	.16980	.16960	.17170	.17560	.17130
.648	7.330	3902.00000	2945.00000	95.80000	52.90000	.17160	.17180	.17450	.17730	.17650	.17810
	GRADIENT	-.08105	-.01537	-.02921	-.02106	-.00114	.00223	.00126	-.00031	.00124	.00241

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E075) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-6.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	-6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 75/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3902.00000	2941.00000	95.80000	52.70000	.15880	.21920	.20540	.21530	.18030	.21160
.648	-4.030	3901.00000	2941.00000	95.90000	52.90000	.17870	.21990	.20880	.21970	.19060	.22050
.648	-3.000	3901.00000	2943.00000	95.80000	52.90000	.18930	.22130	.21270	.21570	.19440	.21900
.648	-1.960	3901.00000	2944.00000	95.80000	52.90000	.18880	.21960	.21410	.21470	.19540	.21800
.648	-.900	3901.00000	2945.00000	95.80000	52.90000	.19570	.21520	.21310	.21310	.20220	.21440
.648	.140	3901.00000	2942.00000	96.00000	52.90000	.21010	.21640	.21500	.21730	.21300	.21730
.648	1.200	3901.00000	2944.00000	95.90000	53.00000	.20070	.21670	.21520	.21380	.21380	.22510
.648	2.240	3901.00000	2941.00000	96.00000	52.90000	.19620	.21900	.21880	.21220	.21730	.22180
.648	3.290	3901.00000	2947.00000	96.10000	53.30000	.19380	.22000	.21480	.20800	.21420	.21690
.648	4.320	3901.00000	2943.00000	96.20000	53.20000	.19480	.22050	.21530	.22330	.22380	.22360
.648	5.360	3901.00000	2943.00000	95.90000	53.00000	.19810	.21760	.21520	.22690	.22380	.23160
.648	6.390	3901.00000	2944.00000	96.00000	53.00000	.19590	.21660	.21640	.22420	.22970	.22580
.648	7.410	3901.00000	2942.00000	96.10000	53.00000	.16910	.18510	.20400	.18970	.19070	.18620
	GRADIENT	-.00001	.20720	.04142	.03984	.00156	-.00002	.00070	-.00021	.00394	.00039

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E076) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = -.084 BETA = .000
SPDBRK = 7.500 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 76/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-1.940	3848.00000	2902.00000	89.60000	47.30000	.10810	.13550	.12680	.14390	.15710	.16640
.648	-.010	3849.00000	2900.00000	89.80000	47.10000	.12860	.12760	.12990	.14260	.15150	.15680
.648	2.040	3849.00000	2903.00000	89.90000	47.30000	.13330	.12940	.12770	.13970	.14240	.15040
.648	4.030	3849.00000	2904.00000	90.10000	47.60000	.11870	.12330	.13010	.13620	.14020	.15000
.648	6.080	3848.00000	2904.00000	90.50000	47.90000	.12070	.12790	.11720	.13680	.13760	.14230
.648	8.170	3848.00000	2901.00000	91.00000	48.40000	.11700	.11910	.12320	.13470	.13540	.14730
.648	10.180	3848.00000	2904.00000	91.30000	48.70000	.11630	.12650	.12310	.13290	.12670	.13700
.648	11.170	3848.00000	2902.00000	91.30000	48.60000	.12430	.12310	.12640	.13030	.12060	.13840
.648	12.170	3848.00000	2904.00000	92.00000	49.40000	.11710	.12510	.11500	.13480	.12780	.13710
.648	13.180	3848.00000	2898.00000	92.10000	49.10000	.12410	.12100	.12410	.13270	.12820	.14200
.648	14.160	3848.00000	2898.00000	92.30000	49.40000	.11370	.11600	.11270	.12560	.12950	.14210
.648	15.170	3848.00000	2899.00000	92.40000	49.50000	.12440	.11800	.11800	.13080	.14030	.14320
.648	16.170	3848.00000	2904.00000	92.70000	50.00000	.12590	.13170	.12340	.13620	.13680	.14720
	GRADIENT	.14908	.45627	.05024	.05562	.00180	-.00173	.00038	-.00130	-.00300	-.00278

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E077) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.067	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 77/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.650	-1.910	3886.00000	2925.00000	92.80000	49.70000	.13060	.13990	.12850	.15950	.16390	.16880
.650	-.010	3885.00000	2927.00000	92.90000	49.90000	.12850	.13540	.12660	.14680	.15780	.16360
.650	2.000	3884.00000	2926.00000	92.90000	49.90000	.13940	.13260	.12730	.14300	.15260	.15930
.650	4.040	3884.00000	2930.00000	93.10000	50.30000	.12750	.13530	.12510	.13570	.14650	.14590
.650	6.190	3884.00000	2929.00000	93.20000	50.30000	.12720	.14370	.13190	.13190	.15150	.14970
.650	8.260	3885.00000	2930.00000	93.20000	50.40000	.12700	.14060	.13290	.11980	.14190	.14840
.650	10.320	3886.00000	2928.00000	93.40000	50.50000	.12600	.13970	.12540	.11990	.13580	.14680
.650	11.330	3884.00000	2928.00000	93.40000	50.50000	.12490	.13300	.12240	.12570	.14240	.14610
.650	12.310	3885.00000	2929.00000	93.50000	50.60000	.11450	.13560	.12470	.13700	.13530	.14230
.650	13.270	3885.00000	2927.00000	93.70000	50.70000	.11440	.12680	.12900	.12760	.13070	.14960
.650	14.280	3884.00000	2930.00000	93.60000	50.80000	.12070	.12700	.13110	.13520	.13230	.14400
.650	15.290	3883.00000	2930.00000	93.80000	51.00000	.12260	.13900	.12670	.12200	.13740	.14660
.650	16.280	3882.00000	2929.00000	93.70000	50.80000	.10330	.13910	.13110	.14380	.14030	.15550
	GRADIENT	-.35080	.70668	.04542	.09084	.00007	-.00082	-.00048	-.00377	-.00289	-.00369

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E078) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .029 ALPHA = 6.000
SPDBRK = 7.500 BDFLAP = .000
RN/L = 6.500 GRIT = .000

RUN NO. 78/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.040	3881.00000	2928.00000	94.00000	51.10000	.12870	.09780	.11350	.09920	.11290	.13460
.648	-3.980	3881.00000	2926.00000	93.90000	51.00000	.13150	.10440	.11050	.10870	.12230	.14050
.648	-2.950	3881.00000	2928.00000	94.00000	51.20000	.13550	.11050	.11520	.11460	.12440	.13770
.648	-1.940	3881.00000	2928.00000	94.00000	51.20000	.13400	.11290	.12500	.12660	.13580	.13700
.648	-.920	3881.00000	2928.00000	94.10000	51.20000	.12070	.12310	.12960	.13620	.13940	.14310
.648	.020	3881.00000	2926.00000	94.10000	51.10000	.12380	.12710	.12830	.13500	.14380	.14790
.648	1.090	3881.00000	2930.00000	94.20000	51.40000	.11370	.12900	.11760	.13110	.13620	.14130
.648	2.110	3881.00000	2929.00000	94.00000	51.20000	.12960	.14680	.12320	.13530	.14780	.15330
.648	3.140	3881.00000	2932.00000	94.20000	51.50000	.12890	.14820	.12970	.12620	.15030	.15030
.648	4.170	3883.00000	2929.00000	94.20000	51.30000	.13970	.14670	.13910	.13070	.15380	.15220
.648	5.210	3884.00000	2927.00000	94.20000	51.20000	.13140	.13890	.13930	.12280	.15180	.14750
.648	6.240	3883.00000	2928.00000	94.40000	51.50000	.12700	.12540	.13010	.11920	.13970	.15250
.648	7.270	3882.00000	2933.00000	94.40000	51.70000	.12430	.11380	.14160	.11820	.14220	.15510
	GRADIENT	.13189	.46161	.03115	.03786	-.00003	.00584	.00233	.00221	.00368	.00189

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E079) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-.104	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	.000
RN/L =	6.500	GRIT =	.000

RUN NO. 79/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-6.050	3884.00000	2931.00000	94.60000	51.80000	.13570	.08100	.09290	.09660	.11930	.14870
.647	-4.040	3883.00000	2928.00000	94.60000	51.60000	.11940	.08670	.09400	.10400	.10830	.13700
.647	-3.020	3883.00000	2930.00000	94.70000	51.80000	.12710	.08880	.10050	.10950	.11030	.13750
.647	-2.000	3882.00000	2928.00000	94.60000	51.70000	.11660	.09530	.11540	.11560	.12370	.13190
.647	-.970	3883.00000	2928.00000	94.80000	51.80000	.11130	.11680	.11090	.13580	.12480	.13740
.647	.050	3883.00000	2929.00000	94.60000	51.70000	.11580	.11640	.10880	.13240	.12640	.14180
.647	1.070	3883.00000	2930.00000	94.70000	51.80000	.12470	.12600	.12580	.13350	.13030	.14970
.647	2.110	3884.00000	2927.00000	94.60000	51.60000	.12360	.12500	.13170	.12290	.13800	.14560
.647	3.140	3883.00000	2929.00000	94.60000	51.70000	.12500	.12950	.13150	.12050	.14380	.14690
.647	4.170	3884.00000	2931.00000	94.80000	52.00000	.12060	.12080	.12700	.11320	.14070	.15300
.647	5.220	3883.00000	2931.00000	94.90000	52.00000	.12550	.11730	.14330	.10700	.15310	.15540
.647	6.250	3884.00000	2929.00000	94.90000	51.90000	.11340	.11560	.14890	.11010	.15750	.16870
.647	7.280	3884.00000	2927.00000	94.90000	51.90000	.11510	.11880	.15730	.12860	.16710	.18530
	GRADIENT	.13010	.14614	.00650	.01787	.00042	.00531	.00442	.00133	.00429	.00214

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E080) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.972 BETA = .000
SPCBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 80/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-1.930	3883.00000	2929.00000	94.60000	51.70000	.06530	.10830	.08040	.11910	.14530	.15280
.648	-.020	3882.00000	2929.00000	94.70000	51.80000	.09810	.10220	.08540	.11980	.12370	.14580
.648	2.020	3882.00000	2930.00000	94.80000	51.90000	.10390	.10430	.08890	.11600	.11800	.13570
.648	4.030	3883.00000	2931.00000	94.70000	51.90000	.09930	.09990	.09020	.11380	.11200	.12810
.648	6.070	3881.00000	2930.00000	94.80000	52.00000	.09440	.09670	.07850	.10820	.10530	.12270
.648	8.140	3902.00000	2940.00000	95.00000	51.90000	.09200	.09420	.08510	.11230	.10110	.11700
.648	10.180	3902.00000	2942.00000	94.90000	51.90000	.09060	.10560	.08780	.11370	.10080	.12550
.648	11.180	3903.00000	2942.00000	94.90000	51.90000	.09120	.10240	.08960	.11100	.10160	.11830
.648	12.180	3903.00000	2942.00000	95.00000	52.00000	.08440	.09990	.08520	.11410	.09480	.11690
.648	13.170	3903.00000	2939.00000	95.10000	52.00000	.08620	.10210	.09130	.11120	.10040	.12070
.648	14.180	3902.00000	2944.00000	95.10000	52.20000	.08440	.10250	.08340	.09770	.09030	.11680
.648	15.200	3903.00000	2943.00000	95.40000	52.40000	.08490	.09710	.08530	.09610	.09430	.11180
.648	16.200	3903.00000	2940.00000	95.10000	52.00000	.08630	.09950	.08590	.10900	.11710	.12060
	GRADIENT	.00253	.35300	.01991	.03505	.00536	-.00115	.00165	-.00099	-.00527	-.00423

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E081) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.945	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 81/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-1.940	3901.00000	2943.00000	95.10000	52.20000	.04890	.09960	.08700	.13670	.14200	.15260
.647	-.030	3902.00000	2941.00000	95.00000	51.90000	.08200	.10500	.09040	.12430	.13060	.14480
.647	2.000	3902.00000	2942.00000	95.10000	52.10000	.10950	.10060	.09450	.10870	.12480	.12990
.647	4.060	3903.00000	2941.00000	95.10000	52.10000	.09880	.10240	.09550	.10490	.11910	.12720
.647	6.160	3902.00000	2940.00000	95.00000	51.90000	.10080	.10340	.08270	.10610	.12090	.12820
.647	8.240	3902.00000	2942.00000	95.10000	52.10000	.09310	.10250	.08520	.09960	.10780	.12120
.647	10.290	3903.00000	2944.00000	95.30000	52.30000	.08250	.09620	.07660	.09390	.10450	.11530
.647	11.290	3903.00000	2940.00000	95.20000	52.00000	.08510	.10190	.08200	.09140	.10050	.11550
.647	12.270	3903.00000	2939.00000	95.30000	52.10000	.08060	.09740	.08460	.10190	.09780	.11580
.647	13.260	3902.00000	2942.00000	95.30000	52.30000	.06530	.09640	.09090	.09480	.09190	.11130
.647	14.260	3902.00000	2942.00000	95.40000	52.30000	.06230	.09510	.08820	.10400	.09490	.11400
.647	15.270	3903.00000	2938.00000	95.30000	52.10000	.08240	.09150	.08890	.11780	.10260	.11930
.647	16.270	3903.00000	2941.00000	95.60000	52.40000	.06390	.08660	.07970	.11140	.10160	.11710
	GRADIENT	.29901	-.24657	.00525	-.00427	.00877	.00019	.00147	-.00553	-.00371	-.00454

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E082) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 5.945 ALPHA = 6.000
SPDBRK = 7.500 BDFLAP = 6.000
RN/L = 6.500 GRIT = .000

RUN NO. 82/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-6.030	3902.00000	2941.00000	95.30000	52.20000	.09260	.06980	.07370	.07550	.09260	.10090
.649	-3.970	3902.00000	2944.00000	95.20000	52.30000	.09750	.07450	.07830	.09460	.09650	.10620
.649	-2.950	3902.00000	2940.00000	95.20000	52.10000	.10070	.08450	.08710	.10380	.11480	.11760
.649	-1.940	3902.00000	2940.00000	95.10000	52.00000	.10100	.08600	.08870	.11260	.11770	.12200
.649	-.910	3902.00000	2941.00000	95.30000	52.20000	.09800	.09410	.09050	.11160	.11500	.12030
.649	.030	3902.00000	2939.00000	95.30000	52.10000	.09280	.09470	.09240	.11900	.11620	.12490
.649	1.090	3902.00000	2940.00000	95.20000	52.00000	.10030	.09780	.07990	.11510	.10270	.12160
.649	2.110	3902.00000	2940.00000	95.10000	52.00000	.10770	.09900	.08910	.10390	.11830	.12440
.649	3.140	3902.00000	2942.00000	95.10000	52.10000	.05810	.10720	.09240	.08910	.11570	.11630
.649	4.160	3903.00000	2942.00000	95.40000	52.30000	.08620	.11020	.09090	.08400	.11240	.11500
.649	5.200	3902.00000	2943.00000	95.30000	52.30000	.06590	.09960	.07930	.07890	.10610	.10650
.649	6.230	3902.00000	2939.00000	95.40000	52.30000	.05803	.09960	.07890	.07600	.10280	.10970
.649	7.260	3902.00000	2940.00000	95.50000	52.40000	.04220	.08580	.07060	.06930	.08800	.09860
	GRADIENT	.06593	-.04685	.00655	-.00317	-.00061	.00395	.00093	-.00167	.00091	.00061

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E083) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	5.945	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	6.000
RN/L =	6.500	GRIT =	.000

RUN NO. 83/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-6.050	3902.00000	2940.00000	95.70000	52.50000	.08760	.05900	.07420	.06490	.07750	.10370
.649	-4.040	3902.00000	2939.00000	95.50000	52.30000	.08980	.05940	.07160	.07950	.08310	.09790
.649	-3.020	3902.00000	2937.00000	95.60000	52.30000	.09580	.06500	.08460	.10330	.09350	.11680
.649	-2.000	3902.00000	2942.00000	95.60000	52.50000	.08430	.08590	.08490	.10340	.09610	.11220
.649	-.980	3902.00000	2945.00000	95.60000	52.70000	.08360	.09690	.07850	.10460	.09300	.11520
.649	.050	3902.00000	2939.00000	95.90000	52.70000	.09410	.10380	.09100	.11210	.10320	.12450
.649	1.070	3902.00000	2940.00000	95.70000	52.50000	.08440	.10030	.09010	.11270	.10250	.12750
.649	2.110	3903.00000	2944.00000	95.80000	52.80000	.07610	.10110	.08930	.10500	.09860	.11840
.649	3.140	3903.00000	2939.00000	95.80000	52.60000	.07600	.08690	.07110	.09590	.09510	.11610
.649	4.180	3902.00000	2946.00000	95.90000	53.00000	.05830	.09560	.07400	.07330	.09190	.10290
.649	5.220	3902.00000	2941.00000	96.10000	52.90000	.08970	.09050	.08400	.07200	.09150	.09230
.649	6.250	3901.00000	2946.00000	95.90000	53.10000	.07040	.06550	.07850	.04940	.09120	.09570
.649	7.280	3903.00000	2935.00000	96.20000	52.70000	.08710	.05800	.08210	.06020	.09440	.09930
	GRADIENT	.08112	.53560	.04381	.06653	-.00327	.00395	-.00018	-.00059	.00088	.00068

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E084) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.985	BETA =	.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 84/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-1.940	3902.00000	2943.00000	95.70000	52.70000	.06050	.10850	.07720	.13110	.14080	.15300
.648	-.010	3902.00000	2942.00000	95.80000	52.70000	.07960	.09850	.08630	.11450	.12570	.14090
.648	2.010	3902.00000	2941.00000	95.80000	52.70000	.08760	.09450	.08180	.11280	.11070	.12980
.648	4.040	3902.00000	2943.00000	95.70000	52.70000	.08770	.09320	.08000	.11000	.10590	.12560
.648	6.060	3903.00000	2945.00000	96.10000	53.10000	.08360	.08970	.08210	.11290	.10370	.11920
.648	8.120	3903.00000	2942.00000	96.00000	52.90000	.07580	.09360	.06720	.10600	.09120	.10760
.648	10.160	3904.00000	2942.00000	96.10000	53.00000	.07240	.08260	.06920	.09940	.08460	.10610
.648	11.160	3903.00000	2941.00000	96.10000	52.90000	.06510	.08800	.07790	.10030	.08700	.11050
.648	12.160	3902.00000	2940.00000	96.00000	52.80000	.06930	.07910	.08130	.09020	.08070	.10460
.648	13.150	3903.00000	2942.00000	96.20000	53.00000	.05780	.07510	.05980	.08910	.07420	.09370
.648	14.160	3903.00000	2940.00000	96.30000	53.10000	.06100	.06060	.05450	.07420	.06410	.08780
.648	15.180	3903.00000	2941.00000	96.40000	53.20000	.05460	.05150	.03170	.06530	.07180	.08820
.648	16.170	3903.00000	2942.00000	96.50000	53.40000	.04650	.05860	.04000	.06680	.07410	.09010
	GRADIENT	.00000	-.04593	-.00025	.00000	.00446	-.00249	.00018	-.00324	-.00599	-.00466

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E085) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.016	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 85/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-1.950	3902.00000	2942.00000	96.40000	53.30000	.02470	.09510	.07480	.13440	.14160	.14890
.648	-.010	3903.00000	2943.00000	96.30000	53.20000	.07930	.08680	.07680	.11070	.11440	.12590
.648	2.020	3903.00000	2943.00000	96.30000	53.20000	.09340	.09500	.08550	.11650	.11420	.13570
.648	4.070	3903.00000	2941.00000	96.30000	53.10000	.09380	.09820	.08750	.10570	.11060	.12150
.648	6.150	3903.00000	2940.00000	96.40000	53.50000	.08800	.08490	.06200	.09900	.09570	.10930
.648	8.230	3903.00000	2941.00000	96.20000	53.00000	.08250	.08190	.05830	.08690	.09100	.10460
.648	10.250	3903.00000	2943.00000	96.60000	53.50000	.07060	.07080	.06370	.08040	.08610	.10170
.648	11.270	3904.00000	2937.00000	96.70000	53.20000	.06460	.07030	.07050	.07960	.08060	.10160
.648	12.260	3903.00000	2942.00000	96.60000	53.50000	.04880	.06920	.06880	.07430	.07490	.09380
.648	13.240	3903.00000	2944.00000	96.80000	53.70000	.04510	.06240	.06300	.06940	.06510	.08600
.648	14.240	3904.00000	2941.00000	96.90000	53.60000	.03300	.04660	.05590	.05990	.06040	.08430
.648	15.250	3903.00000	2940.00000	96.80000	53.50000	.03720	.04860	.04820	.06140	.06160	.09110
.648	16.250	3903.00000	2945.00000	96.80000	53.80000	.03190	.04490	.03150	.06660	.06090	.08030
	GRADIENT	.14777	-.15322	-.01478	-.02983	.01094	.00089	.00233	-.00397	-.00460	-.00358

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E086) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 12.040 ALPHA = 6.000
SPDBRK = 7.500 BOFLAP = 12.000
RN/L = 6.500 GRIT = .000

RUN NO. 86/.0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.030	3902.00000	2942.00000	96.80000	53.60000	.06570	.05210	.05550	.07590	.07790	.08750
.648	-4.010	3902.00000	2940.00000	96.80000	53.50000	.08310	.06690	.05940	.08800	.08960	.10100
.648	-2.990	3902.00000	2941.00000	96.80000	53.60000	.09120	.07680	.06620	.10220	.09810	.10400
.648	-1.960	3902.00000	2938.00000	96.70000	53.40000	.09980	.08180	.07230	.10110	.10730	.11500
.648	-.910	3902.00000	2941.00000	96.90000	53.70000	.08220	.08830	.07150	.10780	.10930	.11510
.648	.120	3902.00000	2942.00000	96.70000	53.60000	.08410	.09200	.07640	.11130	.10260	.11620
.648	1.130	3902.00000	2943.00000	96.80000	53.70000	.08340	.08640	.07400	.10900	.09990	.11780
.648	2.140	3902.00000	2938.00000	96.70000	53.40000	.09110	.08810	.07170	.10190	.10510	.11400
.648	3.160	3902.00000	2945.00000	96.90000	53.90000	.07620	.08320	.05790	.08360	.08780	.09990
.648	4.210	3903.00000	2944.00000	96.80000	53.70000	.06200	.08130	.05510	.08150	.08620	.09560
.648	5.230	3902.00000	2942.00000	96.70000	53.60000	.06030	.08470	.04420	.07210	.08120	.08730
.648	6.230	3903.00000	2941.00000	96.90000	53.70000	.04733	.08570	.05950	.06500	.08370	.09080
.648	7.300	3903.00000	2938.00000	96.90000	53.60000	.02910	.07250	.04610	.05950	.07770	.08200
	GRADIENT	.06507	.48785	.00324	.02764	-.00237	.00143	-.00066	-.00127	-.00094	-.00053

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E087) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	12.018	ALPHA =	12.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	6.500	GRIT =	.000

RUN NO. 87/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-6.060	3902.00000	2942.00000	97.00000	53.80000	.04860	.03290	.04040	.05530	.05690	.06340
.648	-4.040	3902.00000	2940.00000	96.80000	53.60000	.05520	.05380	.04850	.07500	.06560	.08430
.648	-3.020	3901.00000	2939.00000	97.00000	53.70000	.07000	.06630	.06000	.08460	.08130	.09700
.648	-2.000	3902.00000	2939.00000	97.00000	53.70000	.06360	.07680	.06700	.09950	.08870	.09870
.648	-.980	3902.00000	2941.00000	96.80000	53.60000	.06500	.08390	.06640	.08940	.07780	.10560
.648	.040	3902.00000	2941.00000	96.80000	53.60000	.07080	.07590	.07370	.08690	.08180	.09780
.648	1.050	3902.00000	2938.00000	97.00000	53.70000	.06770	.07880	.07440	.09280	.08330	.10070
.648	2.090	3902.00000	2942.00000	96.90000	53.70000	.05440	.06620	.04750	.07440	.07130	.09100
.648	3.130	3902.00000	2944.00000	96.80000	53.80000	.05100	.06140	.05070	.06420	.06300	.09090
.648	4.170	3903.00000	2941.00000	97.00000	53.70000	.05780	.05900	.04700	.05610	.07280	.08210
.648	5.130	3903.00000	2943.00000	97.10000	53.90000	.05400	.05790	.03700	.04790	.04670	.06260
.648	6.190	3903.00000	2941.00000	97.10000	53.80000	.05050	.05070	.04320	.04600	.05010	.05680
.648	7.250	3902.00000	2944.00000	97.00000	54.00000	.03810	.03930	.04130	.01990	.04790	.05600
	GRADIENT	.11403	.35859	.00325	.01302	-.00102	-.00034	-.00107	-.00300	-.00091	-.00078

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E088) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.986	BETA =	.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	5.000	GRIT =	.000

RUN NO. 88/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.400	-1.990	4247.00000	3804.00000	82.90000	66.00000	.04650	.11760	.08580	.12580	.14650	.14930
.400	.000	4248.00000	3804.00000	82.90000	66.00000	.03900	.10490	.09420	.13170	.14450	.15030
.400	2.010	4247.00000	3805.00000	82.60000	65.80000	.04920	.10270	.09320	.12010	.13420	.13580
.400	4.040	4246.00000	3809.00000	82.80000	66.20000	.06480	.10040	.08570	.12080	.12380	.12790
.400	6.000	4247.00000	3810.00000	82.50000	66.00000	.07510	.10060	.07970	.11150	.10520	.12280
.400	8.020	4247.00000	3808.00000	82.60000	65.90000	.09710	.10540	.08080	.11620	.10830	.12040
.400	10.040	4247.00000	3807.00000	82.50000	65.80000	.09520	.10850	.08770	.11180	.11510	.12680
.400	11.080	4247.00000	3805.00000	82.40000	65.60000	.10380	.10090	.08890	.11420	.10720	.12000
.400	12.070	4247.00000	3807.00000	82.50000	65.80000	.08860	.10150	.08570	.10390	.10350	.11310
.400	13.080	4247.00000	3807.00000	82.50000	65.80000	.09220	.09310	.08930	.11340	.11220	.12210
.400	14.110	4247.00000	3807.00000	82.30000	65.60000	.08980	.09810	.08070	.11140	.09730	.11560
.400	15.080	4247.00000	3807.00000	82.40000	65.70000	.09230	.09930	.08980	.11010	.10850	.12390
.400	16.110	4247.00000	3805.00000	82.30000	65.50000	.09520	.08900	.09350	.10720	.12130	.12040
.400	20.050	4247.00000	3808.00000	82.40000	65.80000	.11710	.12670	.10630	.11670	.12960	.12590
	GRADIENT	-.19998	.79798	-.02975	.02010	.00325	-.00267	-.00007	-.00133	-.00390	-.00392

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E089) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	11.982	BETA =	2.000
SPDBRK =	7.500	BDFLAP =	12.000
RN/L =	5.000	GRIT =	.000

RUN NO. 89/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-2.020	4246.00000	3806.00000	82.30000	65.60000	.02940	.12040	.08340	.14280	.14650	.15570
.399	.000	4247.00000	3805.00000	82.20000	65.40000	.05760	.09860	.09200	.13970	.14260	.14260
.399	2.010	4247.00000	3804.00000	82.10000	65.30000	.08880	.09210	.09620	.11730	.11940	.13220
.399	4.050	4247.00000	3807.00000	82.30000	65.60000	.09190	.08940	.08900	.10480	.10480	.12690
.399	6.120	4247.00000	3807.00000	82.10000	65.50000	.09940	.09360	.09400	.09690	.09740	.11770
.399	8.160	4247.00000	3807.00000	82.10000	65.50000	.07820	.08940	.09400	.08770	.09560	.10810
.399	10.170	4246.00000	3806.00000	82.10000	65.40000	.05070	.09360	.10480	.10020	.10940	.12560
.399	11.160	4247.00000	3805.00000	82.10000	65.40000	.08370	.09530	.10990	.09620	.10320	.10990
.399	12.170	4247.00000	3807.00000	82.20000	65.50000	.07110	.09650	.11100	.09850	.09600	.11180
.399	13.170	4247.00000	3807.00000	82.20000	65.50000	.06700	.09030	.10200	.09450	.08450	.10860
.399	14.160	4247.00000	3807.00000	82.20000	65.50000	.07490	.09070	.09440	.09980	.08280	.10860
.399	15.160	4247.00000	3807.00000	82.20000	65.50000	.06990	.07780	.09730	.10310	.10230	.10940
.399	16.170	4247.00000	3807.00000	82.30000	65.60000	.08770	.09310	.09800	.10010	.09390	.10840
.399	20.070	4247.00000	3809.00000	82.20000	65.60000	.11570	.11150	.09810	.11990	.11990	.11650
	GRADIENT	.14821	.10028	- 00484	-.00479	.01081	-.00492	.00103	-.00675	-.00733	-.00479

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E090) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-10.941	ALPHA =	.000
SPDBRK =	7.500	BDFLAP =	-11.700
RN/L =	5.000	GRIT =	.000

RUN NO. 90/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-6.100	4246.00000	3807.00000	81.30000	64.70000	.18340	.18500	.16760	.18090	.18300	.18550
.398	-4.090	4246.00000	3807.00000	81.40000	64.70000	.18480	.19100	.17360	.18650	.19230	.19100
.398	-3.080	4246.00000	3806.00000	81.40000	64.70000	.19290	.19660	.17840	.19080	.19960	.19910
.398	-2.050	4246.00000	3806.00000	81.20000	64.60000	.19470	.19340	.18340	.19180	.19340	.19970
.398	-1.020	4246.00000	3806.00000	81.30000	64.70000	.18170	.18920	.18420	.18250	.19330	.20120
.398	.010	4246.00000	3806.00000	81.30000	64.70000	.18500	.18960	.18540	.18080	.18870	.20200
.398	1.040	4246.00000	3806.00000	81.30000	64.70000	.18670	.19250	.18670	.18250	.19000	.19420
.398	2.070	4246.00000	3806.00000	81.20000	64.60000	.18500	.19580	.18960	.18790	.19170	.20080
.398	3.090	4246.00000	3806.00000	81.30000	64.60000	.18790	.19960	.19370	.19660	.19460	.20210
.398	4.100	4246.00000	3806.00000	81.20000	64.50000	.18480	.20150	.19730	.20150	.19360	.19810
.398	6.150	4246.00000	3806.00000	81.20000	64.60000	.18930	.18300	.19090	.18720	.19050	.18800
.398	8.180	4246.00000	3806.00000	81.20000	64.50000	.18330	.18950	.18990	.19030	.18910	.19280
	GRADIENT	.00000	-.06486	-.01786	-.01784	-.00048	.00096	.00253	.00113	-.00027	.00053

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E091) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.036
RDBF =	-10.254	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 91/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-.010	3055.00000	2397.00000	82.10000	45.90000	.18700	.18910	.18020	.18940	.19320	.18880
.599	1.130	3053.00000	2396.00000	82.00000	45.70000	.18570	.18810	.18160	.18600	.19220	.18870
.599	2.150	3054.00000	2397.00000	82.10000	45.90000	.18000	.18090	.18150	.18620	.18530	.17970
.599	3.170	3054.00000	2396.00000	82.10000	45.80000	.18670	.19520	.18790	.19140	.19080	.19970
.599	4.200	3054.00000	2396.00000	82.20000	45.90000	.17530	.18590	.18410	.18560	.18560	.18000
.599	6.240	3054.00000	2397.00000	82.30000	46.10000	.16230	.17090	.18060	.17090	.16730	.16730
.599	8.290	3053.00000	2399.00000	82.40000	46.30000	.15890	.15450	.17460	.15300	.15420	.15860
	GRADIENT	-.10416	-.19332	.02805	.00872	-.00214	.00005	.00135	-.00023	-.00159	-.00064

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E092) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	-.045
RDBF =	-10.245	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 92/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-6.050	3053.00000	2396.00000	83.00000	46.70000	.17410	.17940	.18380	.17700	.17230	.17490
.599	-4.010	3053.00000	2396.00000	83.10000	46.80000	.18040	.19360	.18950	.18390	.18070	.18720
.599	-2.990	3053.00000	2396.00000	82.80000	46.50000	.18200	.18960	.18820	.18900	.18670	.18990
.599	-1.990	3053.00000	2396.00000	82.70000	46.40000	.17880	.18500	.18820	.18140	.18260	.18170
.599	-1.000	3053.00000	2394.00000	82.60000	46.20000	.19330	.19390	.19070	.20040	.19710	.19830
.599	.040	3053.00000	2398.00000	82.50000	46.30000	.18360	.19010	.18570	.18330	.18690	.18720
.599	1.150	3054.00000	2397.00000	82.50000	46.20000	.17900	.18780	.18660	.18600	.18510	.18720
.599	2.180	3053.00000	2397.00000	82.40000	46.20000	.18090	.18820	.18350	.18790	.18730	.18620
.599	3.210	3053.00000	2396.00000	82.30000	46.00000	.18940	.18880	.18440	.19180	.19500	.20470
.599	4.240	3053.00000	2397.00000	82.40000	46.20000	.18010	.18390	.17450	.18720	.17890	.18480
.599	6.280	3054.00000	2396.00000	82.40000	46.00000	.16140	.16870	.17730	.16990	.17080	.16870
	GRADIENT	.01646	.14586	-.08028	-.06896	.00016	-.00066	-.00137	.00032	.00023	.00052

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E093) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.044	RDA =	-.028
RDBF =	-10.224	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 93/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-4.050	3053.00000	2398.00000	82.40000	46.20000	.17700	.18550	.18380	.18410	.17990	.18760
.598	-3.030	3053.00000	2396.00000	81.70000	45.50000	.17900	.19230	.18490	.19050	.18670	.18960
.598	-2.030	3054.00000	2397.00000	81.60000	45.40000	.18280	.18540	.18340	.18520	.18370	.18220
.598	-1.030	3053.00000	2397.00000	81.50000	45.40000	.18980	.19090	.18590	.19180	.19180	.19450
.598	-.010	3053.00000	2397.00000	81.50000	45.40000	.18480	.19160	.18680	.18920	.18830	.19160
	GRADIENT	.00000	-.10038	-.19861	-.16888	.00261	.00107	.00069	.00114	.00217	.00128

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E094) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.006	RDA =	.046
RDBF =	-10.187	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 94/ 0 RN/L = 5.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.700	.060	2814.00000	2029.00000	86.00000	37.30000	.18070	.18560	.18810	.18510	.18530	.18430
.700	1.130	2814.00000	2029.00000	86.30000	37.60000	.16990	.17930	.18850	.17980	.17400	.17570
.700	2.170	2814.00000	2028.00000	86.30000	37.50000	.17800	.17750	.19040	.18080	.18200	.18460
.700	3.180	2814.00000	2030.00000	86.50000	37.90000	.18380	.19020	.18890	.18380	.18360	.18460
.700	4.210	2814.00000	2029.00000	86.70000	38.00000	.16840	.16610	.18570	.16840	.16610	.16630
.700	6.260	2814.00000	2027.00000	86.90000	38.00000	.15590	.15770	.15950	.15640	.15790	.16380
.700	8.320	2814.00000	2028.00000	86.80000	37.90000	.14160	.14540	.15500	.14080	.14590	.14330
	GRADIENT	-.00004	.09425	.15467	.16409	-.00104	-.00272	-.00042	-.00284	-.00279	-.00261

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E095) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.023
RDBF =	-10.293	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 95/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.701	-6.070	2814.00000	2031.00000	88.30000	39.50000	.15950	.17150	.17810	.16820	.16330	.16710
.701	-4.020	2814.00000	2030.00000	88.30000	39.50000	.16900	.17310	.18200	.17510	.17230	.17180
.701	-3.000	2814.00000	2030.00000	88.00000	39.20000	.17080	.17590	.18200	.18280	.18000	.17970
.701	-1.990	2814.00000	2031.00000	88.00000	39.30000	.17510	.17180	.17890	.17020	.17560	.17790
.701	-.980	2814.00000	2030.00000	87.90000	39.10000	.17660	.18250	.18150	.18300	.17860	.18370
.701	.040	2814.00000	2029.00000	87.70000	38.80000	.17730	.18600	.17960	.18800	.18470	.18770
.701	1.150	2814.00000	2030.00000	87.50000	38.80000	.17440	.18160	.17700	.18010	.17160	.17930
.701	2.180	2814.00000	2029.00000	87.40000	38.60000	.17620	.17720	.17750	.17920	.17920	.18460
.701	3.210	2814.00000	2028.00000	87.40000	38.50000	.18040	.18990	.17820	.18250	.18760	.18990
.701	4.240	2814.00000	2027.00000	87.30000	38.30000	.16660	.16560	.15720	.16480	.16710	.17370
.701	6.290	2814.00000	2027.00000	87.20000	38.20000	.15190	.15620	.15800	.15830	.16180	.16410
	GRADIENT	-.00000	-.35419	-.11911	-.13836	.00030	.00034	-.00190	-.00044	.00003	.00075

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E096) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.016	RDA =	.004
RDBF =	-10.272	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 96/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-4.050	2814.00000	2033.00000	88.50000	39.90000	.16550	.17240	.17470	.16810	.16810	.16760
.698	-3.040	2814.00000	2032.00000	88.50000	39.80000	.17300	.17660	.17740	.17480	.17460	.17920
.698	-2.030	2814.00000	2032.00000	88.80000	40.00000	.17390	.17230	.17510	.17180	.17330	.17360
.698	-1.030	2814.00000	2030.00000	89.00000	40.10000	.17690	.18630	.18000	.18580	.18510	.19020
.698	-.030	2814.00000	2032.00000	88.80000	40.10000	.17950	.18390	.18010	.17930	.18010	.17900
	GRADIENT	-.00004	-.39858	.10956	.06964	.00318	.00325	.00133	.00332	.00343	.00337

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E097) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.015
RDBF =	-10.279	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 97/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-1.940	3096.00000	2428.00000	86.40000	49.70000	.18620	.19460	.19350	.19170	.19170	.19930
.600	.040	3096.00000	2428.00000	86.30000	49.70000	.18400	.19090	.19380	.19320	.19150	.20190
.600	2.050	3096.00000	2430.00000	86.40000	49.90000	.18590	.19810	.19110	.19430	.19350	.19720
.600	4.050	3096.00000	2430.00000	86.50000	50.00000	.18580	.19020	.18810	.18840	.18610	.19020
.600	6.070	3096.00000	2430.00000	86.60000	50.10000	.18690	.18780	.18870	.19210	.19010	.18900
.600	8.060	3096.00000	2427.00000	86.60000	49.90000	.19820	.19450	.19160	.20230	.19820	.19970
.600	10.120	3096.00000	2428.00000	86.80000	50.20000	.20210	.21220	.19540	.21250	.20380	.20960
.600	11.120	3095.00000	2431.00000	86.80000	50.30000	.19940	.21220	.19560	.20840	.19730	.20870
.600	12.110	3095.00000	2428.00000	86.70000	50.10000	.20380	.21050	.20090	.20960	.20350	.21140
.600	13.110	3095.00000	2429.00000	86.80000	50.30000	.19770	.20970	.20150	.20620	.20440	.20760
.600	14.120	3095.00000	2429.00000	86.80000	50.20000	.19710	.20260	.20230	.20170	.20260	.20430
.600	15.100	3095.00000	2428.00000	87.10000	50.40000	.20080	.20370	.20310	.20540	.20140	.20250
.600	16.090	3095.00000	2429.00000	87.00000	50.40000	.19940	.19990	.20370	.20230	.20340	.20570
.600	20.020	3096.00000	2428.00000	87.30000	50.60000	.18010	.17900	.19870	.17690	.18590	.18510
	GRADIENT	-.00001	.40080	.02009	.05511	.00004	-.00030	-.00095	-.00044	-.00074	-.00160

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E098) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.019
RDBF =	-10.294	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 98/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-1.950	3094.00000	2430.00000	87.00000	50.50000	.16910	.18740	.19530	.18890	.17460	.18890
.598	.020	3095.00000	2430.00000	86.90000	50.40000	.17810	.19040	.19210	.18050	.18600	.19440
.598	2.050	3096.00000	2429.00000	86.90000	50.30000	.18340	.18950	.18980	.18600	.18310	.19060
.598	4.090	3096.00000	2429.00000	87.00000	50.40000	.17570	.18500	.18960	.18640	.18350	.18820
.598	6.160	3096.00000	2429.00000	87.00000	50.40000	.18660	.19440	.18830	.18680	.19180	.19440
.598	8.200	3096.00000	2428.00000	87.10000	50.40000	.17920	.18240	.18880	.18420	.18190	.18190
.598	10.260	3096.00000	2428.00000	87.10000	50.40000	.20160	.21180	.19320	.20940	.21230	.21670
.598	11.240	3096.00000	2428.00000	87.10000	50.40000	.20110	.21710	.19680	.20920	.20890	.22490
.598	12.180	3096.00000	2428.00000	87.10000	50.40000	.20090	.21590	.20150	.21250	.21590	.22030
.598	13.170	3096.00000	2429.00000	87.10000	50.50000	.19950	.21030	.20300	.21060	.21490	.21460
.598	14.170	3096.00000	2429.00000	87.10000	50.40000	.20410	.20670	.20260	.20320	.20810	.20760
.598	15.210	3096.00000	2429.00000	87.20000	50.50000	.20250	.20310	.20400	.20510	.20890	.20370
.598	16.210	3096.00000	2429.00000	87.20000	50.50000	.19690	.19660	.20300	.19720	.19660	.19570
.598	20.070	3096.00000	2427.00000	87.30000	50.50000	.17300	.17010	.19670	.17330	.17730	.17900
	GRADIENT	.34663	-.19875	.00017	-.01970	.00123	-.00041	-.00096	-.00009	.00117	-.00030

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E099) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	-.042
RDBF =	-10.307	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 99/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-6.140	3096.00000	2426.00000	87.00000	50.20000	.16380	.17590	.17820	.17590	.17850	.17590
.601	-4.110	3096.00000	2429.00000	87.00000	50.40000	.17070	.17500	.17590	.17500	.17590	.18030
.601	-3.110	3095.00000	2429.00000	86.90000	50.30000	.17220	.18470	.17660	.17770	.18210	.18360
.601	-2.070	3095.00000	2428.00000	87.00000	50.30000	.18460	.18980	.17970	.19070	.19210	.19010
.601	-1.030	3095.00000	2430.00000	86.90000	50.40000	.17810	.18860	.17890	.17870	.18390	.19180
.601	-.010	3095.00000	2428.00000	87.00000	50.30000	.18350	.19160	.18550	.18230	.19450	.19800
.601	1.030	3095.00000	2428.00000	87.10000	50.40000	.18540	.19210	.18400	.18800	.18980	.19500
.601	2.070	3095.00000	2427.00000	86.90000	50.20000	.17950	.19030	.18740	.19030	.18970	.19140
.601	3.100	3095.00000	2427.00000	86.80000	50.20000	.17210	.18290	.18900	.18580	.17970	.18980
.601	4.110	3095.00000	2429.00000	86.80000	50.20000	.17440	.18370	.18830	.18280	.17700	.18250
.601	6.160	3095.00000	2428.00000	86.90000	50.30000	.16740	.18050	.18600	.17960	.17290	.17900
.601	8.210	3095.00000	2428.00000	86.80000	50.20000	.17110	.17980	.18420	.17780	.17350	.18390
	GRADIENT	-.06443	-.16207	-.01778	-.02100	.00019	.00055	.00174	.00103	-.00003	.00054

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E100) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.024
RDBF =	-10.297	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 100/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-5.990	3096.00000	2428.00000	87.00000	50.40000	.17240	.18200	.18400	.18430	.17820	.18140
.600	-3.980	3096.00000	2427.00000	87.00000	50.30000	.16830	.20430	.19150	.20430	.18570	.20160
.600	-2.970	3096.00000	2428.00000	87.10000	50.40000	.17240	.21010	.19650	.20290	.18840	.20080
.600	-1.960	3095.00000	2427.00000	87.20000	50.40000	.17990	.21150	.20080	.20310	.19090	.20950
.600	-.960	3095.00000	2429.00000	87.00000	50.40000	.19350	.21210	.19900	.20830	.19470	.20400
.600	.030	3095.00000	2429.00000	87.10000	50.50000	.20190	.20920	.19990	.20980	.20570	.20920
.600	1.040	3096.00000	2428.00000	87.00000	50.30000	.19760	.20230	.19940	.20170	.20610	.20610
.600	2.060	3096.00000	2426.00000	87.10000	50.30000	.19850	.20190	.20020	.20420	.20570	.21350
.600	3.090	3096.00000	2430.00000	87.10000	50.50000	.19750	.21000	.19460	.20890	.21180	.21500
.600	4.110	3096.00000	2429.00000	87.00000	50.40000	.19480	.20500	.19860	.21200	.20970	.21320
.600	6.190	3096.00000	2429.00000	86.50000	49.90000	.16410	.17800	.19370	.16900	.17890	.18030
.600	8.210	3096.00000	2430.00000	85.70000	49.20000	.17060	.16920	.18610	.16710	.17760	.17180
	GRADIENT	.04975	.18194	-.00330	.00662	.00366	-.00044	.00036	.00073	.00342	.00164

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E101) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.000
RDBF =	-10.293	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-6.010	3094.00000	2428.00000	85.20000	48.70000	.17950	.20630	.19550	.20510	.19200	.20010
.599	-4.000	3094.00000	2428.00000	85.10000	48.60000	.18470	.21640	.20300	.21120	.20040	.21000
.599	-2.990	3094.00000	2427.00000	85.10000	48.50000	.18660	.21770	.20790	.21690	.19910	.21110
.599	-1.980	3095.00000	2429.00000	85.20000	48.70000	.18840	.21290	.20790	.21050	.19570	.20910
.599	-.960	3095.00000	2429.00000	85.20000	48.80000	.18730	.21140	.20590	.20710	.19780	.20710
.599	.050	3095.00000	2427.00000	85.30000	48.70000	.19840	.21030	.20940	.21030	.20330	.20770
.599	1.050	3095.00000	2428.00000	85.30000	48.80000	.20400	.21040	.20980	.21070	.21160	.20660
.599	2.090	3095.00000	2427.00000	85.30000	48.70000	.20130	.21870	.21400	.21950	.21110	.22590
.599	3.060	3095.00000	2427.00000	85.30000	48.70000	.20670	.21890	.21740	.22030	.22060	.22410
.599	4.140	3096.00000	2426.00000	85.40000	48.80000	.19800	.21100	.21590	.21130	.22260	.21680
.599	6.170	3096.00000	2428.00000	85.40000	48.90000	.16810	.18030	.20700	.18180	.18440	.19370
.599	8.260	3096.00000	2426.00000	85.50000	48.80000	.14560	.16090	.16880	.15920	.16620	.16850
	GRADIENT	.18111	-.21423	.03453	.02302	.00256	-.00012	.00158	.00053	.00325	.00163

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E102) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.073	RDA =	.020
RDBF =	.134	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

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

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-1.940	3095.00000	2427.00000	85.70000	49.10000	.11590	.13330	.11390	.13650	.14960	.15130
.600	.040	3095.00000	2428.00000	85.60000	49.10000	.13060	.12280	.11870	.13730	.14020	.15060
.600	2.060	3095.00000	2427.00000	85.70000	49.10000	.13250	.12380	.11920	.13830	.13510	.14640
.600	4.060	3095.00000	2427.00000	85.90000	49.20000	.12970	.12510	.12390	.13720	.13930	.14130
.600	6.040	3096.00000	2429.00000	85.80000	49.20000	.11560	.12190	.11470	.13180	.12720	.13500
.600	8.040	3096.00000	2430.00000	86.00000	49.50000	.11320	.11960	.11470	.12920	.12170	.13560
.600	10.100	3096.00000	2429.00000	86.10000	49.60000	.11010	.11700	.11350	.13100	.12200	.12920
.600	11.090	3096.00000	2427.00000	86.10000	49.40000	.11020	.11950	.11840	.12740	.12330	.13320
.600	12.060	3095.00000	2428.00000	86.30000	49.70000	.11290	.12220	.12220	.13300	.11760	.13010
.600	13.100	3095.00000	2428.00000	86.30000	49.70000	.10690	.12000	.11510	.12170	.12120	.13390
.600	14.120	3095.00000	2429.00000	86.20000	49.70000	.11523	.11370	.11370	.12420	.12740	.13410
.600	15.100	3096.00000	2427.00000	86.40000	49.70000	.12120	.11780	.11660	.12530	.14150	.14440
.600	16.080	3096.00000	2429.00000	86.50000	49.90000	.12410	.11740	.12870	.13740	.14790	.14580
.600	20.010	3096.00000	2432.00000	86.60000	50.20000	.15490	.16510	.16570	.16040	.16280	.16540
	GRADIENT	.00000	-.05064	.03505	.01500	.00216	-.00117	.00152	.00015	-.00180	-.00171

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E103) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.026	RDA =	.064
RDBF =	16.330	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 103/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-1.930	3094.00000	2429.00000	86.30000	49.80000	.05510	.08630	.06120	.10520	.10900	.11420
.599	.060	3095.00000	2428.00000	86.30000	49.70000	.07920	.08240	.06820	.09860	.09970	.11600
.599	2.060	3095.00000	2427.00000	86.40000	49.80000	.07530	.07350	.07090	.09870	.09090	.11290
.599	4.050	3095.00000	2429.00000	86.40000	49.90000	.07730	.07960	.06980	.10030	.08980	.10090
.599	6.040	3095.00000	2430.00000	86.50000	50.00000	.07810	.07320	.06910	.09290	.08420	.09350
.599	8.060	3095.00000	2430.00000	86.60000	50.10000	.06980	.07710	.06950	.08960	.08180	.09860
.599	10.100	3096.00000	2427.00000	86.50000	49.80000	.06450	.07840	.07290	.09490	.07750	.09950
.599	11.100	3096.00000	2428.00000	86.50000	49.90000	.05560	.07440	.06890	.08970	.07000	.09670
.599	12.080	3096.00000	2428.00000	86.70000	50.00000	.05500	.07270	.07210	.07670	.07120	.09230
.599	13.100	3095.00000	2426.00000	86.60000	49.90000	.04420	.05990	.05640	.07260	.06330	.08850
.599	14.120	3095.00000	2426.00000	86.80000	50.10000	.04260	.04490	.05670	.06540	.06570	.07870
.599	15.110	3095.00000	2429.00000	86.80000	50.20000	.03220	.04180	.03720	.05020	.05080	.07030
.599	16.100	3096.00000	2428.00000	86.80000	50.20000	.03220	.03970	.04150	.05510	.05740	.07480
.599	20.040	3096.00000	2434.00000	86.80000	50.50000	.04570	.05530	.03750	.06670	.06230	.04830
	GRADIENT	.15039	-.05030	.02007	.02007	.00314	-.00146	.00143	-.00073	-.00333	-.00216

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E104) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.006	RDA =	-.015
RDBF =	21.071	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 104/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-1.960	3095.00000	2428.00000	84.60000	48.10000	-.00550	.05980	.04090	.07920	.09890	.11230
.599	.040	3095.00000	2429.00000	84.80000	48.30000	.04620	.06080	.04420	.08490	.07730	.10060
.599	2.050	3095.00000	2428.00000	84.60000	48.20000	.05840	.05230	.04770	.07790	.07240	.09210
.599	4.040	3095.00000	2427.00000	84.60000	48.10000	.05810	.05730	.04860	.07750	.07320	.08820
.599	6.050	3095.00000	2429.00000	84.70000	48.30000	.05080	.04870	.04610	.07050	.06880	.08070
.599	8.070	3095.00000	2427.00000	84.80000	48.20000	.04570	.04770	.04750	.06890	.06340	.07550
.599	10.100	3095.00000	2429.00000	85.00000	48.50000	.03170	.03780	.04150	.05980	.05050	.06910
.599	11.100	3095.00000	2426.00000	85.10000	48.50000	.03180	.04080	.04200	.06160	.04800	.07750
.599	12.090	3095.00000	2427.00000	85.00000	48.40000	.01600	.03770	.04030	.05330	.04120	.06230
.599	13.110	3095.00000	2428.00000	85.10000	48.60000	.00440	.01600	.02410	.03710	.02960	.04980
.599	14.130	3095.00000	2427.00000	85.20000	48.60000	-.00930	-.00060	-.00320	.02430	.02110	.04340
.599	15.120	3095.00000	2427.00000	85.20000	48.60000	-.00950	-.00490	-.00430	.01070	.00440	.03250
.599	16.100	3095.00000	2428.00000	85.30000	48.80000	-.01650	-.00870	-.00610	.02030	.00630	.02520
.599	20.050	3095.00000	2428.00000	85.70000	49.20000	-.04440	-.00580	-.03040	.01950	.02560	.02470
	GRADIENT	.00000	-.19980	-.01001	-.00498	.01015	-.00080	.00133	-.00061	-.00410	-.00404

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E105) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.039	RDA =	-.006
RDBF =	21.085	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 105/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-3.970	3095.00000	2426.00000	85.70000	49.10000	.02410	.00530	-.00980	.03800	.02640	.04750
.600	-2.970	3095.00000	2426.00000	85.60000	48.90000	.01130	.01590	-.00140	.05260	.04620	.05870
.600	-1.970	3094.00000	2428.00000	85.80000	49.20000	.02180	.03230	.00380	.05840	.05200	.06650
.600	-.960	3094.00000	2426.00000	85.90000	49.20000	.03600	.03370	.01480	.06640	.05420	.07020
.600	.030	3094.00000	2429.00000	85.70000	49.20000	.03890	.04030	.01970	.06850	.05340	.07200
.600	1.030	3095.00000	2429.00000	85.60000	49.10000	.03340	.03690	.02470	.05170	.04760	.06680
.600	2.060	3095.00000	2429.00000	85.80000	49.30000	.04150	.04410	.02610	.04810	.04410	.06210
.600	3.080	3095.00000	2427.00000	85.70000	49.10000	.03100	.03890	.01110	.03970	.04030	.06200
.600	4.120	3096.00000	2428.00000	85.80000	49.30000	.03280	.04150	.01690	.03810	.03860	.05200
.600	6.180	3096.00000	2429.00000	86.00000	49.40000	.01540	.02200	.01600	.02760	.02900	.03800
.600	8.220	3096.00000	2427.00000	85.90000	49.30000	.00500	.02430	.01940	.01360	.02980	.03160
	GRADIENT	.11647	.26240	.00667	.02478	.00215	.00396	.00327	-.00123	.00013	.00024

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E106) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	-.009
RDBF =	16.373	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

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

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-5.980	3094.00000	2427.00000	86.00000	49.50000	.05580	.03000	.01920	.04510	.04920	.05960
.599	-3.980	3094.00000	2427.00000	86.10000	49.50000	.05760	.04450	.02560	.06400	.05930	.07680
.599	-2.980	3094.00000	2428.00000	86.10000	49.50000	.06040	.05050	.02990	.07000	.06680	.08190
.599	-1.970	3094.00000	2428.00000	86.20000	49.60000	.05640	.06020	.04340	.08430	.08380	.08610
.599	-.970	3094.00000	2426.00000	86.20000	49.50000	.06400	.07410	.05210	.09180	.08230	.10280
.599	.040	3095.00000	2427.00000	86.20000	49.50000	.06530	.07200	.05750	.08590	.08070	.10010
.599	1.040	3096.00000	2430.00000	86.30000	49.80000	.06020	.06950	.05580	.07620	.07560	.09010
.599	2.060	3096.00000	2428.00000	86.10000	49.40000	.06350	.06690	.06030	.07510	.07240	.08580
.599	3.050	3096.00000	2428.00000	86.20000	49.60000	.05590	.06490	.04430	.06610	.07790	.08780
.599	4.110	3096.00000	2428.00000	86.30000	49.70000	.05680	.06520	.04840	.06320	.06060	.07190
.599	6.160	3095.00000	2430.00000	86.20000	49.80000	.04310	.04950	.04520	.04080	.05450	.06030
.599	8.210	3096.00000	2425.00000	86.40000	49.60000	.02460	.04190	.05170	.03470	.05280	.05460
	GRADIENT	.33023	.13184	.01654	.01653	-.00011	.00222	.00283	-.00082	.00013	-.00026

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E107) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.007
RDBF =	-.009	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 107/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-5.980	3094.00000	2427.00000	86.70000	50.00000	.13350	.08940	.08880	.09490	.11460	.14020
.600	-3.970	3095.00000	2427.00000	86.60000	50.00000	.12390	.08510	.09230	.10100	.10970	.13870
.600	-2.970	3095.00000	2428.00000	86.60000	50.00000	.11690	.09280	.08850	.10390	.10970	.13550
.600	-1.970	3096.00000	2429.00000	86.60000	50.00000	.12140	.11120	.09350	.11210	.11910	.13850
.600	-.960	3096.00000	2427.00000	86.60000	49.90000	.11550	.10650	.09810	.11980	.12070	.12910
.600	.040	3096.00000	2426.00000	86.70000	49.90000	.10900	.11740	.10530	.12960	.11940	.12900
.600	1.020	3096.00000	2429.00000	86.80000	50.20000	.11350	.12020	.10330	.12450	.12160	.13470
.600	2.040	3096.00000	2427.00000	86.70000	50.00000	.12250	.13870	.11150	.11700	.13520	.14130
.600	3.090	3096.00000	2428.00000	86.70000	50.10000	.11980	.12240	.11200	.11280	.14470	.14530
.600	4.120	3096.00000	2427.00000	86.70000	50.00000	.10080	.11180	.13180	.13100	.14860	.16280
.600	6.170	3096.00000	2431.00000	86.90000	50.40000	.11630	.10460	.14300	.12590	.16110	.17130
.600	8.220	3096.00000	2425.00000	86.70000	49.90000	.14750	.13130	.14950	.14350	.18900	.18790
	GRADIENT	.11520	-.03380	.01807	.00982	-.00139	.00434	.00446	.00266	.00486	.00228

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E108) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.021	RDA =	.032
RDBF =	-10.195	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.650
GRIT =	.000		

RUN NO. 108/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.397	-6.010	4336.00000	3889.00000	79.00000	62.50000	.18290	.18740	.17550	.18450	.18370	.18900
.397	-4.030	4336.00000	3890.00000	78.90000	62.50000	.18850	.19510	.17540	.19020	.18930	.19430
.397	-3.030	4336.00000	3890.00000	79.10000	62.70000	.18770	.19100	.17490	.19390	.19430	.19590
.397	-2.010	4336.00000	3889.00000	79.00000	62.50000	.18910	.18830	.17760	.18830	.18670	.19240
.397	-1.020	4335.00000	3889.00000	79.00000	62.60000	.19670	.19340	.17990	.19430	.19470	.19300
.397	-.010	4335.00000	3889.00000	79.30000	62.80000	.19120	.19570	.17680	.18960	.19160	.19120
.397	1.160	4335.00000	3888.00000	79.30000	62.80000	.19090	.19790	.18070	.19340	.19540	.19790
.397	2.140	4335.00000	3889.00000	79.20000	62.80000	.18390	.19040	.18060	.19130	.19290	.19990
.397	3.150	4335.00000	3889.00000	79.30000	62.80000	.18360	.19550	.18280	.19100	.18900	.19590
.397	4.170	4335.00000	3889.00000	79.20000	62.70000	.18650	.19680	.18200	.19190	.19560	.19020
.397	6.200	4335.00000	3886.00000	79.30000	62.70000	.17970	.17850	.18210	.17680	.17600	.18420
.397	8.230	4335.00000	3887.00000	79.40000	62.90000	.16080	.15840	.17230	.16210	.16290	.16330
	GRADIENT	-.14508	-.12993	.04045	.03076	-.00060	.00047	.00092	.00005	.00036	.00007

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E109) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.034
RDBF =	-10.193	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 109/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-5.970	4335.00000	3886.00000	79.20000	62.60000	.17560	.20660	.18170	.20130	.18250	.20370
.398	-3.950	4335.00000	3887.00000	79.50000	63.00000	.17520	.20720	.18750	.20430	.18430	.20140
.398	-2.950	4335.00000	3888.00000	79.50000	62.90000	.17830	.20620	.19100	.20330	.18040	.20420
.398	-1.950	4334.00000	3888.00000	79.30000	62.80000	.18440	.20940	.19340	.20370	.18730	.20210
.398	-.950	4334.00000	3886.00000	79.40000	62.80000	.19230	.20660	.19680	.20740	.19640	.21150
.398	.040	4334.00000	3887.00000	79.20000	62.70000	.19790	.20360	.19550	.20650	.20360	.21060
.398	1.030	4334.00000	3888.00000	79.30000	62.90000	.19950	.20030	.19540	.19990	.20440	.20810
.398	2.050	4335.00000	3887.00000	79.40000	62.80000	.19210	.20610	.19750	.19420	.20110	.20730
.398	3.070	4335.00000	3888.00000	79.30000	62.80000	.19180	.20620	.19840	.20740	.20990	.20700
.398	4.080	4335.00000	3888.00000	79.40000	62.90000	.19120	.20390	.19940	.20550	.20880	.20470
.398	6.140	4335.00000	3887.00000	79.40000	62.90000	.17850	.19690	.19200	.17400	.19000	.18960
.398	8.180	4335.00000	3890.00000	79.50000	63.10000	.17980	.18520	.18390	.18020	.18100	.18520
	GRADIENT	.03380	.06666	-.01488	-.00993	.00210	-.00043	.00127	-.00015	.00369	.00047

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E110) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.005	RDA =	.037
RDBF =	-10.193	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 110/ 0 RN/L = 5.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-5.980	4335.00000	3886.00000	79.70000	63.10000	.17810	.21400	.19930	.20750	.18870	.20420
.398	-3.970	4335.00000	3886.00000	79.90000	63.30000	.18340	.21280	.20470	.21410	.19240	.21120
.398	-2.960	4334.00000	3886.00000	79.90000	63.40000	.18840	.21130	.20720	.21050	.19210	.20800
.398	-1.950	4334.00000	3887.00000	79.60000	63.10000	.18620	.21440	.20380	.21120	.19930	.20790
.398	-.950	4335.00000	3888.00000	79.70000	63.20000	.18380	.20640	.20020	.20140	.18630	.20020
.398	.060	4335.00000	3887.00000	79.80000	63.20000	.19740	.20810	.20320	.20400	.19700	.20480
.398	1.070	4334.00000	3887.00000	79.60000	63.10000	.20160	.20490	.20080	.21510	.20980	.21100
.398	2.080	4335.00000	3886.00000	79.80000	63.20000	.20100	.21530	.20350	.20840	.21000	.22140
.398	3.100	4334.00000	3887.00000	79.70000	63.20000	.19750	.20480	.19910	.21140	.20770	.20980
.398	4.120	4335.00000	3887.00000	80.00000	63.40000	.19770	.21200	.20340	.20950	.21240	.21070
.398	6.170	4335.00000	3888.00000	79.80000	63.30000	.19120	.20390	.20100	.20390	.20800	.20390
.398	8.210	4334.00000	3888.00000	79.70000	63.20000	.16260	.18360	.19180	.17820	.17370	.18310
	GRADIENT	.01644	.06587	.00172	-.00158	.00217	-.00037	-.00049	-.00012	.00283	.00068

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E111) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.012	RDA =	.036
RDBF =	-10.189	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 111/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.397	-6.100	4334.00000	3887.00000	79.50000	63.00000	.18660	.18780	.19810	.18580	.18700	.18290
.397	-4.090	4334.00000	3887.00000	80.20000	63.60000	.18970	.19180	.19550	.18690	.18930	.19300
.397	-3.090	4334.00000	3887.00000	79.80000	63.30000	.19250	.19370	.19450	.19090	.19500	.19740
.397	-2.050	4334.00000	3888.00000	79.80000	63.30000	.18520	.19170	.18970	.18430	.18760	.18840
.397	-1.030	4334.00000	3887.00000	80.00000	63.50000	.17930	.19120	.18960	.18260	.19080	.20270
.397	.010	4334.00000	3887.00000	80.00000	63.50000	.18810	.19180	.19260	.18190	.18810	.19580
.397	1.030	4334.00000	3886.00000	80.00000	63.40000	.19670	.18850	.19180	.19670	.19920	.19510
.397	2.070	4334.00000	3886.00000	80.10000	63.50000	.19250	.19160	.19290	.19410	.19610	.19530
.397	3.090	4334.00000	3887.00000	79.70000	63.10000	.18930	.18890	.19060	.19750	.19100	.19670
.397	4.060	4334.00000	3887.00000	79.70000	63.20000	.18780	.19280	.18990	.19360	.19810	.19770
.397	6.160	4334.00000	3887.00000	79.80000	63.30000	.18260	.19250	.18710	.19120	.18590	.19120
.397	8.190	4334.00000	3888.00000	80.00000	63.50000	.17660	.17910	.18650	.17540	.17580	.18320
	GRADIENT	.00000	-.08187	-.02746	-.03080	.00024	-.00022	-.00041	.00131	.00079	.00037

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E112) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.037
RDBF =	-10.200	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 112/ 0 RN/L = 5.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-2.230	4334.00000	3886.00000	80.00000	63.50000	.19020	.19150	.19110	.19110	.18980	.19270
.398	-.200	4334.00000	3886.00000	78.20000	61.70000	.19530	.19490	.19120	.19650	.19290	.19780
.398	1.770	4333.00000	3886.00000	78.40000	61.80000	.19150	.19350	.18820	.19470	.19600	.19680
.398	3.780	4334.00000	3884.00000	78.20000	61.60000	.19150	.19440	.19280	.19930	.19360	.19600
.398	5.850	4333.00000	3886.00000	78.40000	61.90000	.18320	.19180	.19020	.19380	.19060	.19380
.398	7.890	4334.00000	3886.00000	78.40000	61.90000	.18650	.19750	.19220	.19100	.19380	.20570
.398	9.900	4334.00000	3887.00000	78.30000	61.90000	.19380	.20480	.19660	.19540	.19580	.21140
.398	10.910	4333.00000	3886.00000	78.50000	62.00000	.19570	.20790	.19980	.19850	.20670	.21530
.398	11.910	4334.00000	3885.00000	78.70000	62.10000	.20160	.20930	.20240	.20650	.21220	.21670
.398	12.900	4333.00000	3885.00000	78.50000	62.00000	.20140	.21240	.20430	.21450	.21730	.21410
.398	13.910	4333.00000	3885.00000	78.70000	62.10000	.20600	.21050	.20520	.20760	.21130	.20920
.398	14.910	4333.00000	3885.00000	78.90000	62.30000	.20100	.20830	.20590	.20630	.20950	.20910
.398	15.890	4333.00000	3887.00000	78.80000	62.30000	.19900	.20350	.20350	.20390	.20760	.20150
.398	19.800	4334.00000	3885.00000	78.80000	62.20000	.18920	.19280	.20100	.18920	.19040	.18510
	GRADIENT	-.04950	-.29999	-.26099	-.28094	.00001	.00037	.00011	.00114	.00072	.00045

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E113) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.033
RDBF =	-10.194	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.250
GRIT =	.000		

RUN NO. 113/ 0 RN/L = 5.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-2.210	4333.00000	3884.00000	78.80000	62.30000	.19620	.19660	.20850	.19740	.19870	.19830
.398	-.190	4333.00000	3885.00000	78.80000	62.30000	.19190	.19310	.20420	.18900	.19390	.19880
.398	1.800	4333.00000	3886.00000	79.00000	62.50000	.19220	.19710	.19790	.19020	.19300	.19430
.398	3.800	4333.00000	3885.00000	79.00000	62.50000	.19230	.19390	.19760	.19560	.19430	.19230
.398	5.800	4333.00000	3886.00000	79.10000	62.60000	.19500	.19170	.19580	.19170	.19500	.19500
.398	7.820	4333.00000	3886.00000	79.10000	62.60000	.19500	.19590	.19180	.19550	.19500	.19830
.398	9.790	4333.00000	3886.00000	79.20000	62.60000	.20220	.20790	.19770	.20550	.20340	.20630
.398	10.780	4333.00000	3886.00000	79.10000	62.60000	.20420	.20660	.19970	.20620	.20090	.20460
.398	11.840	4333.00000	3886.00000	79.30000	62.80000	.19610	.20910	.20140	.19930	.19560	.20750
.398	12.830	4333.00000	3886.00000	79.40000	62.90000	.19890	.20180	.20100	.20260	.19560	.19970
.398	13.820	4333.00000	3886.00000	79.50000	63.00000	.19580	.20110	.20070	.20360	.19540	.20320
.398	14.820	4333.00000	3885.00000	79.50000	63.00000	.19490	.20140	.20270	.20180	.19820	.19980
.398	15.810	4333.00000	3886.00000	79.40000	62.90000	.19510	.20490	.19920	.20240	.19590	.20000
.398	19.780	4333.00000	3886.00000	79.70000	63.10000	.19410	.20270	.19740	.19860	.19780	.20070
	GRADIENT	.00001	.20010	03992	03992	-.00057	-.00021	-.00195	-.00021	-.00071	-.00112

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E114) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.036
RDBF =	-10.198	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	.000		

RUN NO. 1147 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.396	-6.020	4186.00000	3758.00000	77.50000	61.20000	.18140	.18480	.21700	.17970	.18140	.17840
.396	-4.030	4186.00000	3754.00000	77.50000	61.00000	.18870	.19550	.21550	.19420	.19250	.19800
.396	-3.020	4186.00000	3755.00000	77.90000	61.40000	.18860	.19200	.20820	.19540	.19200	.19670
.396	-2.020	4186.00000	3754.00000	77.90000	61.40000	.18950	.18820	.20440	.18950	.18610	.18820
.396	-1.010	4186.00000	3754.00000	77.60000	61.20000	.19620	.19490	.20090	.19450	.19540	.19880
.396	.000	4187.00000	3754.00000	77.90000	61.40000	.19030	.19160	.19920	.18990	.18860	.19540
.396	1.100	4188.00000	3753.00000	78.00000	61.40000	.18590	.19510	.19890	.18750	.19510	.19390
.396	2.140	4188.00000	3754.00000	78.00000	61.50000	.18330	.19180	.19600	.18670	.18710	.19300
.396	3.150	4188.00000	3753.00000	77.90000	61.30000	.18770	.19740	.19780	.18640	.19190	.19990
.396	4.170	4188.00000	3754.00000	78.30000	61.70000	.18490	.19420	.19300	.19300	.19470	.19510
.396	6.200	4188.00000	3755.00000	77.90000	61.30000	.17000	.17380	.18610	.17300	.17380	.17510
.396	8.240	4188.00000	3754.00000	78.10000	61.50000	.15760	.15680	.17670	.15680	.15760	.15760
	GRADIENT	.32485	-.11357	.06158	.04690	-.00067	.00030	-.00226	-.00072	.00017	.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E115) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.053
RDBF =	-6.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 115/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-6.030	4188.00000	3754.00000	78.40000	61.80000	.17970	.18480	.18600	.18220	.18220	.18050
.398	-4.030	4188.00000	3754.00000	78.50000	61.90000	.18390	.19190	.18850	.18980	.18640	.19270
.398	-3.020	4188.00000	3754.00000	78.60000	62.00000	.18750	.18660	.18710	.19170	.18920	.19170
.398	-2.030	4188.00000	3753.00000	78.50000	61.90000	.18560	.18690	.18940	.18520	.18520	.19150
.398	-1.030	4188.00000	3754.00000	78.50000	62.00000	.19310	.19400	.18850	.19690	.19310	.19400
.398	.000	4188.00000	3754.00000	78.50000	62.00000	.18430	.18730	.18640	.18390	.18430	.19280
.398	1.090	4188.00000	3753.00000	78.70000	62.10000	.19060	.19400	.19020	.18730	.19190	.19440
.398	2.140	4188.00000	3754.00000	78.40000	61.80000	.17790	.19230	.19060	.18890	.19060	.19060
.398	3.150	4188.00000	3754.00000	78.50000	61.90000	.18240	.19040	.19170	.18700	.19000	.19890
.398	4.160	4188.00000	3753.00000	78.50000	61.90000	.18270	.19660	.19200	.18900	.19240	.20210
.398	6.190	4188.00000	3755.00000	78.80000	62.30000	.17230	.18250	.18250	.17490	.17320	.17110
.398	8.230	4188.00000	3755.00000	78.80000	62.30000	.15480	.15520	.17640	.15740	.15610	.15950
	GRADIENT	.00001	-.04844	-.00484	-.00661	-.00062	.00067	.00052	-.00032	.00058	.00094

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E116) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.013	RDA =	.049
RDBF =	-3.897	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 116/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.020	4188.00000	3754.00000	78.90000	62.30000	.17370	.17410	.18380	.16940	.17580	.17660
.399	-4.040	4188.00000	3754.00000	79.00000	62.50000	.17770	.17350	.17770	.17270	.18030	.18920
.399	-3.020	4188.00000	3753.00000	79.10000	62.50000	.18490	.17560	.17520	.17730	.18230	.18320
.399	-2.030	4188.00000	3754.00000	79.10000	62.50000	.18130	.17620	.17750	.18050	.17880	.18130
.399	-1.020	4188.00000	3753.00000	79.00000	62.40000	.17760	.17260	.17760	.17340	.17980	.18360
.399	-.010	4188.00000	3753.00000	79.00000	62.40000	.17840	.17790	.17410	.17840	.17880	.17960
.399	1.140	4188.00000	3753.00000	79.20000	62.50000	.17410	.18720	.17450	.17750	.18000	.18040
.399	2.130	4188.00000	3752.00000	78.80000	62.20000	.17990	.18080	.17740	.18240	.18370	.18370
.399	3.140	4188.00000	3753.00000	79.00000	62.40000	.17670	.18130	.17580	.16910	.17920	.18970
.399	4.170	4188.00000	3753.00000	79.00000	62.40000	.17850	.18100	.17550	.17810	.18350	.19110
.399	6.200	4188.00000	3753.00000	79.30000	62.60000	.16870	.16740	.17750	.16700	.17210	.17160
.399	8.220	4188.00000	3753.00000	79.20000	62.60000	.15570	.15400	.17090	.15190	.15780	.15820
	GRADIENT	-.00001	-.12960	-.01120	-.01934	-.00045	.00116	-.00017	.00008	.00022	.00047

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E117) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.055
RDBF =	-1.802	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 117/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.020	4188.00000	3753.00000	79.50000	62.90000	.16270	.15470	.17530	.15010	.15470	.16350
.399	-4.030	4188.00000	3753.00000	79.30000	62.60000	.16220	.14240	.16770	.14660	.15420	.16690
.399	-3.020	4188.00000	3753.00000	79.30000	62.70000	.15460	.13900	.16480	.14490	.15040	.15970
.399	-2.020	4188.00000	3752.00000	79.50000	62.80000	.15380	.14040	.16350	.15050	.15130	.15680
.399	-1.020	4188.00000	3753.00000	79.50000	62.90000	.15360	.13630	.15950	.15100	.14640	.15860
.399	-.010	4188.00000	3752.00000	79.50000	62.80000	.15190	.14810	.15990	.16040	.15700	.16200
.399	1.130	4188.00000	3753.00000	79.50000	62.90000	.15390	.14550	.16190	.15060	.15430	.16150
.399	2.120	4188.00000	3753.00000	79.60000	63.00000	.15330	.15080	.16340	.15240	.16260	.16220
.399	3.140	4188.00000	3754.00000	79.20000	62.60000	.14200	.15300	.16270	.14580	.15850	.16820
.399	4.150	4188.00000	3753.00000	79.50000	62.90000	.13990	.15050	.15550	.14920	.17490	.18380
.399	6.180	4188.00000	3754.00000	78.90000	62.30000	.15090	.15850	.15680	.15550	.15940	.16100
.399	8.220	4188.00000	3754.00000	78.50000	62.00000	.14030	.14030	.15760	.14790	.14620	.14580
	GRADIENT	-.00001	.08243	.01120	.02101	-.00207	.00170	-.00085	.00026	.00224	.00174

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E118) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.048
RDBF =	.023	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 118/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-6.020	4208.00000	3772.00000	79.40000	62.80000	.13740	.11590	.13070	.11420	.13230	.14620
.398	-4.020	4208.00000	3772.00000	79.50000	62.90000	.13810	.11410	.12720	.12420	.13140	.14870
.398	-3.020	4208.00000	3773.00000	79.50000	63.00000	.13500	.12230	.12280	.12400	.12910	.14260
.398	-2.030	4208.00000	3772.00000	79.40000	62.80000	.13780	.11800	.12720	.13140	.13730	.14240
.398	-1.030	4208.00000	3772.00000	79.50000	63.00000	.13260	.12450	.12500	.13210	.13800	.14730
.398	-.010	4208.00000	3771.00000	79.60000	63.00000	.13340	.13130	.12710	.13680	.14020	.14230
.398	1.140	4208.00000	3771.00000	79.80000	63.20000	.13330	.13330	.12700	.13670	.13750	.15140
.398	2.140	4208.00000	3771.00000	78.40000	61.90000	.13090	.13380	.12580	.12370	.14810	.14640
.398	3.150	4208.00000	3771.00000	78.10000	61.50000	.13620	.14880	.12990	.13240	.15260	.15420
.398	4.160	4208.00000	3771.00000	77.90000	61.40000	.14590	.13540	.14300	.14000	.15310	.15810
.398	6.200	4208.00000	3773.00000	77.60000	61.10000	.13760	.14360	.14060	.14230	.15160	.16130
.398	8.230	4208.00000	3772.00000	77.80000	61.30000	.14270	.14650	.14270	.15110	.13970	.15150
	GRADIENT	.00000	-.21066	-.19944	-.19624	.00035	.00332	.00135	.00124	.00288	.00138

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E119) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.012	RDA =	.057
RDBF =	8.014	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	.000		

RUN NO. 119/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.030	4208.00000	3771.00000	77.80000	61.20000	.10860	.07990	.08750	.09260	.09800	.11400
.399	-4.020	4208.00000	3771.00000	78.00000	61.40000	.10930	.07950	.08830	.10090	.10300	.11940
.399	-3.020	4209.00000	3771.00000	77.80000	61.20000	.10880	.08660	.09040	.10250	.10670	.12360
.399	-2.030	4206.00000	3771.00000	77.80000	61.30000	.10310	.09210	.09210	.10810	.10770	.12030
.399	-1.040	4208.00000	3771.00000	77.80000	61.30000	.09300	.09680	.09130	.10600	.10690	.12280
.399	-.010	4208.00000	3770.00000	77.80000	61.20000	.09490	.08690	.09990	.10710	.10450	.11920
.399	1.140	4208.00000	3771.00000	78.00000	61.40000	.09330	.09290	.09750	.10040	.10170	.12180
.399	2.130	4208.00000	3772.00000	77.90000	61.30000	.09130	.10180	.09890	.09590	.10770	.11950
.399	3.150	4208.00000	3772.00000	78.20000	61.60000	.09860	.09520	.09690	.09440	.11120	.11710
.399	4.160	4208.00000	3773.00000	77.90000	61.40000	.08980	.11600	.09660	.07590	.11340	.11600
.399	6.200	4208.00000	3773.00000	78.10000	61.60000	.08010	.10840	.10290	.08350	.10290	.10540
.399	8.220	4208.00000	3771.00000	78.60000	62.00000	.02190	.07320	.10430	.06680	.07860	.10010
	GRADIENT	-.00000	.21183	.01985	.02134	-.00213	.00303	.00117	-.00251	.00080	-.00058

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E120) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.064
RDBF =	16.355	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	.000		

RUN NO. 120/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.040	4208.00000	3771.00000	78.70000	62.10000	.07890	.06170	.10160	.08520	.07930	.09530
.399	-4.030	4208.00000	3771.00000	78.50000	61.90000	.03060	.07890	.09310	.08770	.09150	.10660
.399	-3.020	4208.00000	3771.00000	78.80000	62.20000	.09520	.08430	.08690	.09650	.09310	.10530
.399	-2.030	4208.00000	3771.00000	78.80000	62.20000	.08720	.08970	.08430	.10480	.10100	.11030
.399	-1.040	4208.00000	3771.00000	78.70000	62.10000	.07390	.07930	.08980	.11000	.09280	.11210
.399	-.010	4208.00000	3772.00000	78.70000	62.10000	.08320	.08190	.08360	.09620	.09500	.11470
.399	1.100	4208.00000	3772.00000	79.00000	62.40000	.07440	.08990	.07940	.10550	.09160	.11220
.399	2.120	4208.00000	3772.00000	79.00000	62.40000	.08410	.08250	.08120	.09680	.09250	.10770
.399	3.150	4208.00000	3772.00000	79.10000	62.50000	.08290	.08580	.08160	.08460	.08840	.10560
.399	4.160	4208.00000	3771.00000	79.30000	62.70000	.07670	.08050	.08090	.09100	.09310	.10230
.399	6.200	4208.00000	3772.00000	79.20000	62.60000	.06060	.08240	.08030	.06770	.08620	.08790
.399	8.220	4208.00000	3773.00000	79.10000	62.60000	.00760	.05910	.07510	.04770	.05950	.07300
	GRADIENT	.00001	.09739	.07801	.07801	-.00158	.00012	-.00132	-.00072	-.00043	-.00036

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E121) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.004	RDA =	.046
RDBF =	21.856	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	.000		

RUN NO. 121/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-6.040	4208.00000	3772.00000	79.00000	62.40000	.05430	.02780	.06730	.04710	.05260	.06730
.398	-4.030	4208.00000	3771.00000	79.10000	62.50000	.06130	.04700	.06760	.06170	.06460	.08100
.398	-3.020	4208.00000	3773.00000	79.20000	62.60000	.05480	.04720	.05900	.06820	.06780	.07540
.398	-2.030	4208.00000	3771.00000	79.20000	62.60000	.02010	.05580	.05700	.07930	.07590	.09060
.398	-1.040	4208.00000	3770.00000	79.00000	62.30000	.01420	.05690	.04940	.08080	.06910	.09260
.398	-.010	4208.00000	3770.00000	78.80000	62.20000	.05530	.05530	.05860	.08590	.06950	.09680
.398	1.080	4208.00000	3770.00000	78.80000	62.20000	.05790	.05740	.05110	.07970	.06670	.09350
.398	2.130	4208.00000	3772.00000	79.30000	62.70000	.05920	.05330	.05040	.06890	.06930	.08480
.398	3.140	4208.00000	3771.00000	79.40000	62.80000	.05540	.06000	.04740	.07090	.06840	.09110
.398	4.160	4208.00000	3771.00000	79.30000	62.70000	.03610	.05290	.04410	.05830	.05960	.07010
.398	6.190	4208.00000	3774.00000	79.10000	62.60000	.03133	.05540	.03980	.03470	.06730	.06260
.398	8.220	4208.00000	3771.00000	79.00000	62.40000	-.01510	.04460	.04500	.02900	.04290	.06100
	GRADIENT	-.00000	-.06213	.02317	.02488	.00042	.00092	-.00227	-.00047	-.00055	-.00014

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E122) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.003	RDA =	.056
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 122/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.400	-10.490	4208.00000	3770.00000	79.20000	62.50000	.20400	.20780	.18260	.20190	.20400	.20990
.400	-6.110	4208.00000	3769.00000	79.50000	62.80000	.19940	.19980	.18480	.20360	.20150	.20450
.400	-3.880	4208.00000	3771.00000	79.60000	63.00000	.19000	.18620	.18160	.18290	.18960	.19040
.400	-2.230	4208.00000	3772.00000	79.00000	62.40000	.15710	.15340	.16890	.15710	.15250	.16810
.400	-.110	4208.00000	3771.00000	79.60000	62.90000	.12450	.12150	.15940	.13920	.13620	.13830
.400	8.120	4208.00000	3771.00000	79.30000	62.70000	.10110	.10400	.11450	.11880	.10950	.12930
.400	16.340	4208.00000	3770.00000	79.30000	62.70000	.08240	.09460	.11050	.10000	.09120	.10720
.400	21.190	4208.00000	3772.00000	79.00000	62.40000	.04500	.05550	.05220	.07440	.06520	.09000
.400	21.860	4208.00000	3770.00000	79.00000	62.30000	.04510	.05220	.05100	.07110	.05980	.08450
	GRADIENT	.00000	-.02196	.01316	-.01433	-.01728	-.01706	-.00582	-.01145	-.01386	-.01383

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E123) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.065
ALPHA =	10.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 123/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-10.610	4208.00000	3772.00000	79.40000	62.80000	.19210	.19970	.18670	.20600	.20440	.21030
.398	-6.020	4208.00000	3771.00000	79.20000	62.60000	.18370	.19300	.18920	.19210	.20050	.21190
.398	-3.930	4208.00000	3771.00000	78.80000	62.20000	.17340	.18640	.18770	.18220	.19570	.21380
.398	-2.220	4208.00000	3771.00000	78.10000	61.50000	.14860	.15870	.15240	.14950	.17460	.18050
.398	-.250	4208.00000	3770.00000	77.30000	60.70000	.13720	.13550	.15730	.12500	.15060	.15270
.398	8.130	4208.00000	3770.00000	77.50000	60.90000	.08180	.11150	.11410	.10190	.10990	.12790
.398	16.050	4208.00000	3772.00000	77.70000	61.20000	.06650	.08290	.06520	.08710	.09170	.09970
.398	21.240	4208.00000	3771.00000	78.00000	61.40000	.04450	.05330	.03060	.05670	.05120	.06890
	GRADIENT	.00005	-.27770	-.40757	-.40757	-.00974	-.01378	-.00799	-.01547	-.01225	-.01654

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E124) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6900 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.010	RDA =	.065
ALPHA =	12.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	.000

RUN NO. 124/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-10.500	4208.00000	3772.00000	78.10000	61.60000	.19640	.20650	.17280	.20060	.19770	.20190
.398	-6.180	4208.00000	3772.00000	77.50000	61.00000	.19350	.20320	.18380	.20400	.19560	.19980
.398	-4.010	4208.00000	3772.00000	77.80000	61.30000	.18810	.18940	.18560	.19480	.19520	.19860
.398	-1.840	4208.00000	3772.00000	78.10000	61.60000	.15470	.14370	.17200	.15090	.15470	.16140
.398	-.230	4208.00000	3771.00000	78.50000	61.90000	.12880	.12460	.13470	.13560	.13350	.14980
.398	7.760	4208.00000	3772.00000	78.50000	62.00000	.10150	.11450	.10900	.12550	.11160	.13010
.398	16.410	4207.00000	3772.00000	78.50000	62.00000	.06880	.07980	.10210	.09410	.08570	10550
.398	21.090	4207.00000	3770.00000	78.50000	61.90000	.03400	.05040	.05970	.06470	.05340	.08150
	GRADIENT	.00000	-.24964	.18254	.15758	-.01567	-.01736	-.01306	-.01592	-.01645	-.01315

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E125) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = .012 RDA = .067
ALPHA = 12.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = .000

RUN NO. 125/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-10.630	4207.00000	3770.00000	79.10000	62.50000	.20430	.21320	.19340	.20560	.20900	.22200
.399	-6.020	4207.00000	3770.00000	79.00000	62.40000	.19360	.20870	.19480	.19690	.20490	.21920
.399	-3.960	4207.00000	3771.00000	78.50000	62.00000	.17940	.19710	.19210	.18240	.19540	.20810
.399	-1.880	4207.00000	3773.00000	78.80000	62.30000	.13400	.15640	.17710	.15090	.16690	.17620
.399	-.210	4207.00000	3772.00000	78.70000	62.10000	.13740	.15090	.16650	.13700	.15090	.16860
.399	8.130	4207.00000	3772.00000	78.70000	62.20000	.08830	.10640	.11700	.11700	.10940	.11910
.399	16.350	4207.00000	3772.00000	78.60000	62.00000	.06170	.07950	.08030	.08080	.08120	.09340
.399	21.270	4207.00000	3770.00000	79.30000	62.70000	.03080	.03290	.03500	.04550	.06070	.07500
	GRADIENT	.00000	.29466	.05699	.03140	-.01163	-.01261	-.00684	-.01223	-.01194	-.01073

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E126) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.067 RDA = -.024
RDBF = -10.444 BETA = .000
ELEVON = .000 SPDBRK = .000
BDFLAP = -11.700 RN/L = 5.000
GRIT = 1.000

RUN NO. 126/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-2.390	4169.00000	3735.00000	74.80000	58.30000	.19220	.19940	.18920	.19350	.19600	.19730
.399	-.400	4169.00000	3735.00000	74.80000	58.30000	.19100	.19520	.18890	.19220	.19860	.19390
.399	1.630	4168.00000	3734.00000	74.40000	57.90000	.19500	.19840	.18950	.19290	.19880	.19800
.399	3.590	4169.00000	3736.00000	75.40000	58.90000	.19590	.19890	.18740	.19250	.19930	.19720
.399	5.610	4168.00000	3734.00000	75.60000	59.00000	.19250	.19590	.19120	.19290	.19930	.19670
.399	7.640	4168.00000	3734.00000	76.10000	59.50000	.20150	.20320	.19300	.20830	.20400	.20360
.399	9.640	4167.00000	3735.00000	75.90000	59.40000	.20580	.20790	.19520	.20660	.20830	.20790
.399	10.660	4167.00000	3737.00000	75.70000	59.30000	.20410	.21090	.19510	.20360	.20280	.20880
.399	11.690	4167.00000	3735.00000	76.20000	59.60000	.20830	.21170	.20030	.21130	.20660	.21260
.399	12.670	4167.00000	3736.00000	75.60000	59.20000	.20620	.20960	.20020	.20530	.20580	.20360
.399	13.640	4167.00000	3735.00000	75.70000	59.20000	.20140	.20350	.20230	.20180	.20230	.20440
.399	14.680	4167.00000	3736.00000	76.30000	59.80000	.20670	.20670	.19990	.21010	.20760	.21050
.399	15.670	4167.00000	3734.00000	76.80000	60.20000	.20850	.20940	.20340	.21110	.21190	.21320
.399	19.640	4168.00000	3736.00000	77.10000	60.50000	.19540	.20220	.19880	.20220	.20390	.20560
	GRADIENT	-.05128	.09829	.06923	.06923	.00076	.00009	-.00024	-.00011	.00051	.00019

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E127) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.189	RDA =	.067
RDBF =	-10.441	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 127/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-2.420	4167.00000	3735.00000	76.50000	60.00000	.19140	.19990	.20030	.19530	.19780	.19990
.398	-.410	4167.00000	3735.00000	77.30000	60.80000	.19150	.19280	.19790	.19190	.19660	.19490
.398	1.630	4167.00000	3735.00000	77.70000	61.20000	.19190	.19190	.19450	.19570	.19660	.19490
.398	3.640	4167.00000	3735.00000	77.70000	61.20000	.19600	.19820	.19820	.19520	.19820	.19940
.398	5.650	4167.00000	3735.00000	77.80000	61.20000	.19000	.19720	.19810	.19420	.19250	.20100
.398	7.750	4167.00000	3736.00000	78.10000	61.60000	.18620	.19850	.19560	.18960	.19260	.20620
.398	9.800	4167.00000	3736.00000	78.10000	61.60000	.19650	.20670	.19860	.20120	.20250	.21520
.398	10.810	4167.00000	3735.00000	78.20000	61.60000	.20160	.20670	.20460	.20120	.20500	.21940
.398	11.790	4167.00000	3735.00000	78.20000	61.60000	.20540	.21040	.20620	.20830	.20960	.21810
.398	12.770	4167.00000	3736.00000	78.40000	61.90000	.19770	.21380	.20450	.21510	.21260	.21470
.398	13.770	4167.00000	3736.00000	78.80000	62.20000	.20160	.21440	.20460	.21100	.21100	.21140
.398	14.770	4167.00000	3736.00000	79.00000	62.50000	.19960	.21110	.20430	.20810	.21190	.21280
.398	15.760	4167.00000	3738.00000	79.00000	62.50000	.20060	.20830	.20230	.20190	.20960	.20750
.398	19.690	4167.00000	3737.00000	77.10000	60.60000	.19310	.19140	.20120	.18960	.19350	.19090
	GRADIENT	.00000	.00001	.19792	.19782	.00070	-.00030	-.00048	.00017	.00006	-.00007

ARC 213-1-11 LA89 OV 10: WITH T/C (T2E128) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.212	RDA =	.050
RDBF =	-10.441	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 128/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-6.030	4166.00000	3736.00000	77.30000	60.80000	.18580	.18670	.20460	.18070	.18200	.18410
.398	-4.040	4166.00000	3736.00000	77.30000	60.80000	.18560	.19540	.20310	.19240	.18940	.19450
.398	-3.030	4166.00000	3734.00000	77.30000	60.70000	.19530	.19320	.20340	.19660	.19150	.19490
.398	-2.040	4166.00000	3736.00000	77.40000	60.90000	.18990	.19500	.19890	.19290	.19160	.19590
.398	-1.030	4166.00000	3736.00000	77.80000	61.30000	.19490	.19700	.19530	.19910	.20040	.19790
.398	-.010	4166.00000	3735.00000	77.50000	61.00000	.19320	.19620	.19660	.19700	.19830	.19620
.398	1.090	4166.00000	3734.00000	77.70000	61.20000	.19510	.20020	.19720	.19720	.20060	.19680
.398	2.120	4166.00000	3735.00000	77.80000	61.30000	.19080	.19460	.19930	.19040	.19210	.19380
.398	3.150	4166.00000	3735.00000	77.70000	61.20000	.18780	.19210	.19890	.19120	.19380	.19680
.398	4.160	4165.00000	3735.00000	78.00000	61.50000	.18910	.19460	.20020	.19510	.19330	.20310
.398	6.200	4166.00000	3734.00000	78.00000	61.50000	.18600	.18390	.19540	.18730	.18690	.18690
.398	8.230	4166.00000	3736.00000	78.10000	61.60000	.16740	.16010	.18400	.16610	.15970	.16610
	GRADIENT	-.06474	-.08191	.07595	.08078	-.00011	-.00007	-.00035	-.00021	.00037	.00056

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E129) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.065	RDA =	.064
RDBF =	-10.417	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 129/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-2.410	3066.00000	2407.00000	81.90000	45.70000	.18390	.19860	.19390	.19800	.19450	.20120
.599	-.370	3067.00000	2407.00000	82.00000	45.80000	.18570	.19450	.19570	.19160	.19220	.19370
.599	1.620	3067.00000	2406.00000	82.30000	46.00000	.19160	.19360	.19660	.19890	.19950	.19890
.599	3.640	3067.00000	2408.00000	82.40000	46.20000	.18760	.19050	.19490	.18910	.19290	.19370
.599	5.640	3067.00000	2406.00000	82.40000	46.10000	.19350	.19520	.19900	.19350	.19470	.19960
.599	7.650	3067.00000	2407.00000	82.30000	46.10000	.19710	.19330	.19890	.19860	.19800	.19590
.599	9.710	3067.00000	2409.00000	82.50000	46.30000	.20270	.20910	.20090	.20500	.20880	.20910
.599	10.680	3067.00000	2407.00000	82.40000	46.10000	.20780	.21510	.20690	.21800	.21100	.21420
.599	11.710	3067.00000	2407.00000	82.40000	46.20000	.20500	.21170	.20500	.21080	.20790	.20930
.599	12.680	3067.00000	2406.00000	82.90000	46.50000	.20550	.20990	.20900	.20750	.20870	.21190
.599	13.700	3067.00000	2407.00000	82.80000	46.50000	.20310	.20540	.20900	.20870	.20630	.20490
.599	14.720	3067.00000	2408.00000	82.70000	46.50000	.20160	.20250	.20660	.20250	.20190	.20310
.599	15.700	3067.00000	2406.00000	82.90000	46.60000	.20610	.20140	.21020	.20320	.20430	.20640
.599	19.610	3067.00000	2408.00000	83.00000	46.70000	.18790	.18620	.20200	.19320	.19060	.19200
	GRADIENT	.14939	.09960	.08929	.08436	.00084	-.00125	.00019	-.00097	.00012	-.00086

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E130) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.009
RDBF =	-10.410	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 130/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-2.360	3067.00000	2407.00000	82.80000	46.50000	.18540	.19570	.19100	.19450	.19330	.20120
.599	-.380	3067.00000	2407.00000	82.70000	46.50000	.18620	.19530	.19060	.19410	.19300	.19330
.599	1.670	3067.00000	2409.00000	82.70000	46.50000	.19080	.18640	.18530	.18640	.18670	.18790
.599	3.690	3067.00000	2408.00000	82.70000	46.50000	.18380	.18320	.18850	.19410	.19170	.19260
.599	5.750	3067.00000	2406.00000	82.60000	46.30000	.18320	.19110	.19200	.19220	.19340	.19250
.599	7.860	3067.00000	2409.00000	82.60000	46.50000	.18070	.18800	.19120	.18740	.19470	.19390
.599	9.870	3067.00000	2408.00000	82.60000	46.40000	.19490	.20570	.19400	.20420	.20600	.21480
.599	10.860	3067.00000	2410.00000	82.80000	46.70000	.20790	.21380	.19730	.20350	.21110	.22350
.599	11.850	3067.00000	2407.00000	82.80000	46.50000	.20370	.21450	.20340	.20860	.21190	.22390
.599	12.830	3067.00000	2408.00000	82.40000	46.20000	.20100	.21500	.20650	.21910	.21620	.21620
.599	13.790	3067.00000	2407.00000	83.00000	46.70000	.20330	.21270	.20910	.21820	.21500	.21670
.599	14.740	3067.00000	2409.00000	82.90000	46.70000	.20510	.20830	.20600	.20600	.21240	.21390
.599	15.800	3067.00000	2410.00000	82.80000	46.70000	.20000	.20440	.20410	.19740	.20090	.20440
.599	19.700	3067.00000	2408.00000	82.90000	46.60000	.17990	.18190	.20090	.18010	.18370	.18310
	GRADIENT	.00000	.24825	-.01478	.00000	-.00001	-.00230	-.00064	-.00044	-.00055	-.00154

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E131) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.053
RDBF =	-10.415	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 131/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-6.070	3067.00000	2406.00000	82.70000	46.30000	.16800	.16740	.18790	.17410	.16630	.17040
.599	-4.060	3067.00000	2407.00000	82.40000	46.20000	.18510	.17610	.18720	.17840	.18340	.18220
.599	-3.050	3067.00000	2408.00000	82.70000	46.50000	.18710	.19120	.18740	.19000	.18710	.18800
.599	-2.040	3067.00000	2407.00000	82.70000	46.40000	.18160	.18890	.18720	.18660	.18480	.18400
.599	-1.030	3067.00000	2406.00000	82.80000	46.40000	.18810	.18400	.18840	.20100	.18750	.19100
.599	.010	3067.00000	2408.00000	82.80000	46.50000	.19400	.19140	.18670	.19310	.19640	.19260
.599	1.090	3067.00000	2406.00000	82.80000	46.40000	.18890	.19360	.19090	.19180	.19470	.20090
.599	2.120	3067.00000	2407.00000	82.70000	46.30000	.18550	.18780	.19100	.19220	.19020	.19370
.599	3.160	3067.00000	2407.00000	82.90000	46.60000	.18720	.20240	.19360	.19160	.19510	.19710
.599	4.160	3067.00000	2407.00000	82.80000	46.50000	.18220	.20060	.19210	.19710	.19330	.20700
.599	6.220	3067.00000	2407.00000	83.00000	46.70000	.16900	.17550	.18950	.17430	.17400	.17780
.599	8.260	3067.00000	2408.00000	82.90000	46.60000	.15730	.15820	.18370	.16490	.16490	.16350
	GRADIENT	.00000	-.04846	.03535	.02089	-.00005	.00224	.00078	.00131	.00132	.00251

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E133) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.036
RDBF =	-5.994	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 133/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.070	3067.00000	2407.00000	82.50000	46.30000	.15400	.16510	.17830	.16160	.16510	.16890
.598	-4.060	3067.00000	2408.00000	82.80000	46.50000	.17800	.17890	.17800	.17770	.18090	.17940
.598	-3.050	3067.00000	2408.00000	82.80000	46.50000	.18370	.19250	.18310	.19400	.19100	.18960
.598	-2.040	3067.00000	2407.00000	82.60000	46.40000	.18260	.18430	.18260	.17910	.17970	.18640
.598	-1.030	3067.00000	2408.00000	82.60000	46.40000	.18170	.18080	.18370	.18200	.18370	.18670
.598	.000	3067.00000	2407.00000	82.80000	46.50000	.18990	.19020	.18850	.19610	.19400	.19840
.598	1.100	3067.00000	2407.00000	81.90000	45.60000	.18460	.19430	.18780	.18990	.19080	.19630
.598	2.140	3067.00000	2406.00000	81.40000	45.20000	.18400	.18370	.19100	.18750	.19190	.18610
.598	3.140	3067.00000	2408.00000	81.20000	45.10000	.18420	.19740	.19300	.19010	.19680	.19480
.598	4.160	3067.00000	2409.00000	81.00000	44.90000	.17950	.18980	.18710	.19500	.19360	.20300
.598	6.230	3067.00000	2407.00000	80.90000	44.70000	.16590	.16940	.18720	.17380	.17440	.17490
.598	8.260	3067.00000	2407.00000	80.80000	44.70000	.15310	.15800	.17970	.15720	.15690	.15860
	GRADIENT	.00000	.01533	-.24457	-.22363	.00021	.00114	.00140	.00132	.00161	.00191

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E134) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.002	RDA =	-.027
RDBF =	-3.956	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 134/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-6.070	3067.00000	2407.00000	81.00000	44.80000	.16060	.16180	.17410	.15590	.15800	.15830
.599	-4.060	3067.00000	2408.00000	81.00000	44.90000	.17570	.16170	.17100	.16750	.17690	.17630
.599	-3.050	3067.00000	2408.00000	81.00000	44.80000	.17980	.16430	.16930	.16550	.17780	.18190
.599	-2.050	3067.00000	2409.00000	81.00000	45.00000	.17020	.16530	.16700	.16550	.17020	.17290
.599	-1.040	3067.00000	2409.00000	81.20000	45.10000	.17280	.16720	.16570	.17360	.17600	.17690
.599	.000	3067.00000	2410.00000	81.20000	45.20000	.17330	.17090	.16530	.17470	.17470	.17330
.599	1.080	3067.00000	2409.00000	81.20000	45.10000	.16500	.17180	.16500	.16690	.17590	.18140
.599	2.140	3067.00000	2409.00000	81.20000	45.10000	.16860	.17120	.16800	.16970	.17940	.17710
.599	3.160	3067.00000	2408.00000	81.40000	45.30000	.16690	.16980	.16980	.16720	.18330	.18880
.599	4.180	3067.00000	2409.00000	81.30000	45.20000	.17210	.17040	.16770	.16890	.17970	.18300
.599	6.230	3067.00000	2409.00000	81.20000	45.20000	.16110	.16140	.16550	.16320	.16430	.16670
.599	8.270	3067.00000	2411.00000	81.40000	45.50000	.14690	.15220	.15930	.14460	.15160	.15190
	GRADIENT	.00000	.06271	.04504	.04653	-.00103	.00109	-.00016	.00019	.00075	.00098

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E135) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	-.031
RDBF =	-1.846	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 135/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.060	3067.00000	2407.00000	81.70000	45.50000	.14560	.13220	.15500	.12860	.13570	.15320
.598	-4.060	3067.00000	2408.00000	81.60000	45.40000	.14950	.13780	.14780	.13750	.14400	.15480
.598	-3.050	3067.00000	2408.00000	81.70000	45.60000	.14920	.13690	.14330	.14070	.14690	.15510
.598	-2.050	3067.00000	2408.00000	81.70000	45.60000	.15330	.13810	.14190	.14250	.14860	.15360
.598	-1.040	3067.00000	2408.00000	81.70000	45.50000	.15270	.13950	.14070	.14250	.14720	.15710
.598	.000	3067.00000	2409.00000	81.90000	45.70000	.14460	.14110	.14050	.14810	.15080	.15900
.598	1.100	3067.00000	2408.00000	81.70000	45.50000	.14570	.14890	.14160	.15270	.15770	.15850
.598	2.140	3067.00000	2409.00000	81.80000	45.70000	.14650	.15320	.14620	.14820	.15500	.15500
.598	3.140	3067.00000	2409.00000	81.80000	45.70000	.13720	.14980	.14770	.13890	.16030	.15920
.598	4.150	3067.00000	2409.00000	81.90000	45.80000	.14110	.14490	.14600	.13640	.16250	.17010
.598	6.220	3067.00000	2410.00000	82.00000	45.90000	.15033	.15210	.14680	.15090	.15940	.15910
.598	8.260	3067.00000	2409.00000	82.00000	45.90000	.13870	.13640	.14600	.13610	.13990	.14780
	GRADIENT	.00000	.14521	.02731	.03379	-.00146	.00173	.00026	.00019	.00222	.00125

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E136) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	-.029
RDBF =	.171	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 136/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.060	3067.00000	2407.00000	82.20000	46.00000	.12510	.10640	.12020	.10930	.12020	.14010
.598	-4.060	3067.00000	2409.00000	82.00000	45.90000	.13120	.11180	.11970	.11800	.12560	.13880
.598	-3.050	3067.00000	2407.00000	82.10000	45.90000	.13230	.10810	.11830	.11830	.12910	.14080
.598	-2.050	3067.00000	2410.00000	82.50000	46.40000	.13020	.11760	.11520	.11910	.12610	.13260
.598	-1.040	3067.00000	2409.00000	82.30000	46.10000	.12080	.11730	.11700	.13460	.13370	.14280
.598	.000	3067.00000	2407.00000	82.20000	45.90000	.12930	.12610	.12080	.13480	.13570	.14360
.598	1.090	3067.00000	2409.00000	82.30000	46.20000	.13240	.12330	.12070	.13120	.13270	.14470
.598	2.140	3067.00000	2408.00000	82.30000	46.10000	.12680	.12820	.12590	.12820	.14170	.13730
.598	3.150	3067.00000	2408.00000	82.30000	46.10000	.13680	.14120	.12920	.12220	.14590	.14500
.598	4.170	3067.00000	2410.00000	82.50000	46.40000	.13790	.14140	.12820	.12330	.15380	.15700
.598	6.230	3067.00000	2408.00000	82.40000	46.20000	.11910	.12530	.13320	.12410	.15020	.14960
.598	8.270	3067.00000	2408.00000	82.30000	46.10000	.13510	.12810	.13420	.12100	.14950	.15390
	GRADIENT	-.00000	.04811	.03523	.03373	.00073	.00395	.00149	.00076	.00312	.00156

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E137) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	-.023
RDBF =	8.073	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 137/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.060	3067.00000	2409.00000	82.60000	46.40000	.09610	.06820	.07380	.07620	.08760	.10020
.598	-4.050	3067.00000	2408.00000	82.70000	46.40000	.10480	.07720	.08020	.08870	.09830	.10620
.598	-3.050	3067.00000	2407.00000	82.80000	46.50000	.10750	.08180	.08000	.09760	.10230	.11630
.598	-2.050	3067.00000	2409.00000	82.90000	46.70000	.10140	.08620	.07970	.09880	.10550	.11380
.598	-1.030	3067.00000	2408.00000	82.80000	46.60000	.08960	.08700	.08370	.10430	.10130	.11600
.598	.000	3067.00000	2408.00000	82.80000	46.50000	.09620	.09730	.08970	.11050	.10610	.11840
.598	1.080	3067.00000	2409.00000	82.70000	46.50000	.08160	.09310	.08780	.10100	.09630	.11270
.598	2.140	3067.00000	2408.00000	82.90000	46.60000	.09130	.09070	.08980	.09980	.10510	.11270
.598	3.150	3067.00000	2409.00000	82.70000	46.50000	.09070	.09600	.08930	.08110	.11130	.10780
.598	4.170	3067.00000	2409.00000	82.90000	46.70000	.08850	.10490	.09430	.07260	.11370	.11690
.598	6.220	3067.00000	2410.00000	82.70000	46.60000	.05510	.09620	.07270	.07180	.10530	.11090
.598	8.260	3068.00000	2409.00000	82.80000	46.50000	.03200	.07710	.07330	.06660	.07450	.09440
	GRADIENT	.00000	.14497	.00637	.01437	-.00232	.00271	.00175	-.00188	.00133	.00018

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E138) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	-.032
RDBF =	16.377	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 138/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.060	3067.00000	2409.00000	82.70000	46.50000	.05740	.04910	.04300	.06650	.07000	.08230
.598	-4.060	3067.00000	2408.00000	82.70000	46.50000	.08100	.05460	.04970	.07750	.07960	.09130
.598	-3.050	3067.00000	2410.00000	82.70000	46.60000	.07880	.06230	.04910	.08350	.08140	.09340
.598	-2.050	3067.00000	2408.00000	82.90000	46.60000	.08010	.06540	.05690	.09270	.09410	.09880
.598	-1.040	3068.00000	2409.00000	83.00000	46.80000	.07350	.07350	.05920	.09140	.08790	.10370
.598	.000	3067.00000	2409.00000	82.90000	46.60000	.07690	.07640	.06430	.09830	.08870	.10450
.598	1.100	3067.00000	2410.00000	82.70000	46.60000	.06730	.07930	.06760	.09840	.08960	.10370
.598	2.140	3067.00000	2411.00000	82.50000	46.50000	.07700	.07700	.06820	.09050	.09020	.10140
.598	3.150	3067.00000	2407.00000	82.70000	46.40000	.08170	.07790	.07460	.08780	.09040	.10180
.598	4.170	3067.00000	2410.00000	82.60000	46.50000	.07340	.07990	.06820	.08250	.08520	.09160
.598	6.220	3068.00000	2412.00000	82.10000	46.10000	.04360	.08260	.07290	.07030	.07880	.08090
.598	8.260	3068.00000	2408.00000	81.90000	45.70000	.00040	.04890	.04270	.03570	.05180	.06640
	GRADIENT	-.01683	.09772	-.02467	-.01638	-.00055	.00284	.00292	.00056	.00069	.00050

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E139) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	-.047
RDBF =	21.117	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 139/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.060	3067.00000	2408.00000	81.60000	45.50000	.03060	.01590	.01450	.04410	.04790	.06020
.598	-4.060	3067.00000	2410.00000	81.50000	45.50000	.05290	.02800	.01920	.04910	.05670	.06900
.598	-3.050	3067.00000	2409.00000	81.50000	45.40000	.05280	.03440	.02760	.05980	.06630	.07560
.598	-2.040	3067.00000	2411.00000	81.50000	45.50000	.05210	.04060	.02980	.06820	.07060	.07470
.598	-1.030	3067.00000	2410.00000	81.50000	45.50000	.04760	.04790	.03560	.07340	.06370	.08570
.598	.000	3067.00000	2411.00000	81.60000	45.60000	.05330	.04830	.03980	.07180	.06450	.08440
.598	1.050	3067.00000	2409.00000	81.40000	45.30000	.04400	.04840	.04780	.07410	.06910	.08490
.598	2.140	3068.00000	2409.00000	81.80000	45.60000	.05230	.05400	.05200	.06980	.06980	.08010
.598	3.140	3068.00000	2408.00000	81.70000	45.50000	.05210	.05240	.03540	.06320	.06640	.07980
.598	4.160	3068.00000	2411.00000	82.00000	45.90000	.04330	.05910	.03300	.05910	.06730	.07910
.598	6.220	3067.00000	2408.00000	81.70000	45.50000	.02200	.06560	.04720	.04980	.07090	.07180
.598	8.260	3067.00000	2409.00000	81.70000	45.60000	-.02010	.03790	.02210	.02440	.03700	.05550
	GRADIENT	.14624	-.06627	.05029	.03074	-.00070	.00332	.00218	.00086	.00075	.00101

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E140) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.009	RDA =	-.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 140/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-10.400	3067.00000	2407.00000	82.10000	45.80000	.20550	.20200	.19820	.21220	.21220	.21770
.599	-6.100	3067.00000	2408.00000	82.00000	45.80000	.19940	.20410	.19790	.20670	.20550	.20850
.599	-4.000	3067.00000	2409.00000	82.00000	45.90000	.17710	.17160	.18950	.17830	.17710	.18540
.599	-2.140	3067.00000	2409.00000	82.20000	46.00000	.14130	.14390	.15240	.15100	.14660	.15300
.599	.280	3067.00000	2410.00000	82.20000	46.00000	.11180	.11940	.11760	.12550	.12110	.13230
.599	8.120	3067.00000	2409.00000	82.40000	46.20000	.08650	.09170	.09230	.10780	.09700	.11550
.599	16.360	3067.00000	2408.00000	82.50000	46.20000	.06270	.07320	.06650	.09750	.08050	.09780
.599	21.200	3067.00000	2408.00000	82.40000	46.30000	.03240	.04470	.03850	.06670	.05500	.07610
	GRADIENT	-.00002	.24246	-.04444	.02222	-.01511	-.01209	-.01668	-.01225	-.01296	-.01222

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E141) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.027
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 141/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-10.680	3067.00000	2409.00000	82.60000	46.40000	.20080	.20440	.20410	.19620	.20470	.21400
.598	-6.110	3067.00000	2407.00000	82.40000	46.10000	.19540	.20470	.20740	.19890	.20440	.22230
.598	-3.930	3067.00000	2409.00000	82.40000	46.30000	.16140	.17310	.20010	.17610	.18250	.18980
.598	-1.920	3067.00000	2408.00000	82.80000	46.50000	.14190	.14810	.15570	.13960	.15630	.15710
.598	.280	3067.00000	2409.00000	82.80000	46.60000	.12000	.13090	.11500	.12330	.13700	.14260
.598	8.010	3067.00000	2412.00000	82.60000	46.60000	.07200	.08700	.08640	.09380	.09440	.10230
.598	16.390	3068.00000	2409.00000	82.60000	46.40000	.06480	.06770	.06210	.07380	.06890	.08790
.598	21.270	3068.00000	2408.00000	82.90000	46.60000	.03400	.04010	.00270	.04480	.04220	.06550
	GRADIENT	.00000	.00714	.09352	.07085	-.00984	-.00999	-.02019	-.01246	-.01078	-.01114

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E142) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.009 RDA = -.035
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 142/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-10.390	3067.00000	2409.00000	82.90000	46.70000	.20960	.21050	.19580	.21080	.20580	.21250
.598	-6.180	3067.00000	2409.00000	82.80000	46.60000	.20280	.20900	.19930	.21130	.20660	.21040
.598	-3.980	3067.00000	2409.00000	82.70000	46.50000	.17110	.17110	.16820	.18080	.18140	.17840
.598	-2.060	3067.00000	2408.00000	82.70000	46.50000	.13680	.13800	.14790	.15030	.14970	.15850
.598	.110	3067.00000	2408.00000	82.80000	46.60000	.11370	.11950	.12680	.12980	.11750	.13330
.598	7.850	3067.00000	2408.00000	82.80000	46.50000	.08420	.09350	.09670	.10820	.10320	.11580
.598	16.400	3067.00000	2408.00000	82.60000	46.40000	.05280	.06540	.07040	.08450	.07420	.09970
.598	21.140	3067.00000	2410.00000	82.80000	46.60000	.02360	.03380	.01680	.05080	.03820	.06730
	GRADIENT	.00002	-.23921	.02492	.02492	-.01396	-.01253	-.01011	-.01240	-.01561	-.01104

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E143) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	-.035
ALPHA =	12.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 143/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-10.490	3067.00000	2409.00000	82.80000	46.70000	.20250	.21070	.20780	.19900	.21010	.22300
.598	-6.170	3067.00000	2408.00000	82.70000	46.40000	.19000	.21340	.21230	.20580	.21280	.21840
.598	-3.960	3067.00000	2410.00000	82.80000	46.70000	.16410	.19260	.20530	.18680	.18880	.19150
.598	-1.920	3067.00000	2409.00000	82.80000	46.60000	.13460	.15840	.15520	.14080	.15780	.16110
.598	.170	3067.00000	2410.00000	82.60000	46.50000	.12050	.13400	.13050	.12400	.13660	.14580
.598	7.840	3067.00000	2410.00000	82.70000	46.50000	.08280	.09160	.08900	.09250	.09720	.11070
.598	16.400	3067.00000	2410.00000	82.80000	46.60000	.05020	.05520	.06290	.07310	.06670	.08460
.598	21.100	3067.00000	2408.00000	82.80000	46.50000	.01680	.03150	.01590	.04000	.04470	.06310
	GRADIENT	.00002	.00197	-.04862	-.04842	-.01054	-.01418	-.01809	-.01518	-.01263	-.01105

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E144) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.126	RDA =	.014
RDBF =	-10.359	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 144/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-2.290	2787.00000	2012.00000	84.00000	35.70000	.17450	.18450	.19740	.18190	.18480	.18480
.699	-.270	2787.00000	2005.00000	84.30000	35.40000	.17220	.18060	.20110	.18910	.18830	.19750
.699	1.750	2784.00000	2012.00000	84.30000	36.10000	.17750	.19270	.19370	.17820	.18420	.19810
.699	3.780	2785.00000	2012.00000	84.30000	36.10000	.18040	.18690	.19100	.18350	.18870	.19590
.699	5.810	2786.00000	2010.00000	84.40000	36.00000	.18060	.18750	.19140	.18110	.18650	.19270
.699	7.790	2786.00000	2010.00000	84.60000	36.10000	.18930	.19240	.19130	.18590	.19030	.19880
.699	9.810	2786.00000	2013.00000	84.50000	36.30000	.19850	.20850	.19280	.19820	.20180	.20490
.699	10.820	2786.00000	2011.00000	84.50000	36.10000	.20280	.21500	.19950	.21110	.20410	.21080
.699	11.820	2786.00000	2009.00000	84.50000	36.00000	.20510	.20590	.20360	.20460	.20410	.21230
.699	12.820	2786.00000	2012.00000	84.70000	36.30000	.20890	.20110	.20300	.20270	.20680	.20090
.699	13.810	2786.00000	2009.00000	84.80000	36.20000	.20990	.20270	.20890	.20810	.20630	.21170
.699	14.800	2786.00000	2009.00000	84.80000	36.20000	.20420	.20030	.20700	.20110	.20700	.20390
.699	15.760	2786.00000	2013.00000	85.10000	36.80000	.19530	.19910	.20070	.19110	.19680	.19730
.699	19.700	2787.00000	2012.00000	85.20000	36.70000	.18260	.18750	.19910	.18700	.18830	.18800
	GRADIENT	-.44459	.34636	.04446	.09391	.00114	.00095	-.00132	-.00030	.00038	.00167

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E145) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.029
RDBF =	-10.289	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 145/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-2.290	2786.00000	2011.00000	84.70000	36.20000	.17820	.18160	.17690	.17640	.18260	.18360
.699	-.280	2786.00000	2010.00000	84.70000	36.20000	.17420	.18600	.18090	.18680	.17600	.18700
.699	1.740	2786.00000	2012.00000	84.70000	36.40000	.17440	.18030	.17620	.18360	.18260	.18830
.699	3.730	2786.00000	2013.00000	84.80000	36.50000	.17670	.18010	.17780	.18060	.17830	.17830
.699	5.760	2786.00000	2013.00000	84.90000	36.70000	.18130	.18910	.17800	.18240	.18240	.18680
.699	7.720	2786.00000	2013.00000	85.00000	36.70000	.18110	.18300	.18040	.18110	.17570	.17930
.699	9.730	2786.00000	2012.00000	85.30000	36.80000	.19340	.20840	.19110	.21170	.20940	.22280
.699	10.730	2786.00000	2012.00000	85.40000	37.00000	.20010	.21890	.19800	.21650	.21350	.21810
.699	11.700	2786.00000	2013.00000	85.30000	37.00000	.19550	.21360	.20200	.21310	.21440	.21620
.699	12.720	2786.00000	2010.00000	85.40000	36.90000	.19160	.20830	.20880	.21550	.21440	.21160
.699	13.720	2786.00000	2011.00000	85.50000	37.10000	.19920	.20870	.20640	.20640	.21080	.20490
.699	14.710	2786.00000	2009.00000	85.60000	37.10000	.20310	.20560	.21180	.20380	.20870	.21330
.699	15.680	2786.00000	2013.00000	85.80000	37.40000	.19770	.19660	.20390	.19380	.19230	.19040
.699	19.590	2787.00000	2012.00000	86.00000	37.50000	.17810	.17500	.19840	.17010	.17760	.17600
	GRADIENT	.00001	.39831	.01491	.05479	-.00022	-.00051	-.00010	.00047	-.00031	-.00072

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E146) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	.006
RDBF =	-10.287	ALPHA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 146/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-6.070	2786.00000	2011.00000	85.50000	37.00000	.15570	.16680	.17010	.17040	.17060	.16830
.699	-4.050	2786.00000	2012.00000	85.40000	37.00000	.17060	.17960	.17270	.16930	.17580	.18300
.699	-3.020	2786.00000	2009.00000	85.60000	37.00000	.16470	.18270	.17750	.17340	.18140	.19120
.699	-1.990	2786.00000	2011.00000	85.70000	37.20000	.16940	.18720	.17890	.18150	.18380	.19410
.699	-.960	2786.00000	2010.00000	85.70000	37.10000	.17470	.19300	.18040	.18760	.18370	.19430
.699	.070	2786.00000	2011.00000	85.80000	37.30000	.17020	.18440	.18340	.18520	.18540	.18830
.699	1.110	2786.00000	2011.00000	85.70000	37.20000	.17730	.18400	.18290	.18290	.18700	.18940
.699	2.140	2786.00000	2011.00000	85.70000	37.20000	.17510	.18050	.18340	.18390	.17410	.18390
.699	3.170	2786.00000	2013.00000	85.80000	37.40000	.16450	.18390	.18180	.17930	.16710	.18340
.699	4.190	2786.00000	2012.00000	86.00000	37.50000	.16230	.18040	.18270	.17830	.17240	.18110
.699	6.230	2786.00000	2011.00000	86.10000	37.50000	.17670	.17620	.18210	.16980	.17100	.17460
.699	8.270	2787.00000	2011.00000	86.10000	37.60000	.17550	.18220	.18290	.17650	.18320	.17830
	GRADIENT	.00000	.21021	.04846	.05332	-.00032	-.00025	.00104	.00087	-.00117	-.00091

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E147) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.020
RDBF =	-10.292	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 147/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-5.990	2787.00000	2011.00000	86.70000	38.10000	.18010	.19270	.19010	.18980	.18420	.18700
.699	-3.990	2787.00000	2011.00000	86.80000	38.10000	.16850	.20020	.19400	.19660	.18600	.19940
.699	-2.990	2787.00000	2012.00000	86.80000	38.30000	.18500	.21000	.19710	.19610	.18470	.19630
.699	-1.980	2787.00000	2012.00000	86.90000	38.30000	.18260	.20940	.20170	.20040	.18410	.20170
.699	-.970	2787.00000	2011.00000	86.80000	38.20000	.19840	.20710	.20660	.20640	.19920	.20460
.699	.030	2787.00000	2011.00000	86.90000	38.30000	.19330	.20460	.20620	.20160	.19800	.20670
.699	1.040	2787.00000	2012.00000	87.10000	38.50000	.19370	.20220	.20370	.19470	.19860	.20580
.699	2.070	2787.00000	2011.00000	86.90000	38.30000	.19030	.21200	.20500	.20400	.20730	.21840
.699	3.100	2787.00000	2012.00000	87.20000	38.60000	.19620	.19750	.20600	.21370	.21480	.21270
.699	4.140	2787.00000	2012.00000	87.20000	38.60000	.18510	.20190	.20550	.20450	.20010	.20520
.699	6.210	2787.00000	2010.00000	87.20000	38.40000	.17660	.19100	.20330	.19070	.18660	.19200
.699	8.260	2787.00000	2012.00000	87.30000	38.70000	.17090	.18530	.19720	.18430	.19150	.19950
	GRADIENT	-.00000	.04950	.05096	.05258	.00181	-.00050	.00125	.00131	.00316	.00175

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E148) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.007
RDBF =	-10.677	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 148/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.700	-6.030	2799.00000	2018.00000	87.70000	38.80000	.18420	.20600	.19880	.20750	.19220	.20060
.700	-4.020	2799.00000	2021.00000	87.70000	39.00000	.18270	.21060	.19910	.21140	.20450	.21320
.700	-3.010	2799.00000	2019.00000	87.70000	38.90000	.18600	.21570	.20620	.21490	.20340	.21130
.700	-1.990	2799.00000	2022.00000	87.80000	39.20000	.18420	.21120	.20500	.20370	.19550	.20630
.700	-.970	2799.00000	2021.00000	87.80000	39.20000	.19790	.21150	.20560	.20980	.20180	.20980
.700	.050	2799.00000	2021.00000	87.80000	39.10000	.20360	.20510	.20710	.20970	.20610	.21070
.700	1.060	2799.00000	2021.00000	87.80000	39.10000	.20580	.21740	.20790	.21350	.21350	.21810
.700	2.090	2799.00000	2020.00000	87.90000	39.10000	.19590	.21430	.21130	.21490	.21490	.21690
.700	3.110	2800.00000	2020.00000	88.00000	39.20000	.20130	.21480	.21430	.22000	.21590	.21690
.700	4.150	2800.00000	2021.00000	88.00000	39.30000	.18860	.20820	.21070	.20760	.21050	.20870
.700	6.220	2800.00000	2023.00000	88.00000	39.40000	.18730	.19940	.20120	.19450	.19680	.19320
.700	8.280	2800.00000	2020.00000	88.20000	39.40000	.16590	.18720	.20360	.18640	.19020	.18560
	GRADIENT	.11452	-.01622	.03758	.02942	.00164	-.00001	.00140	.00043	.00183	.00046

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E149) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.022	RDA =	.011
RDBF =	-10.687	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 149/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.700	-6.090	2801.00000	2018.00000	88.20000	39.20000	.16550	.16760	.17220	.16910	.17110	.16760
.700	-4.070	2800.00000	2023.00000	88.00000	39.40000	.16970	.17280	.16840	.16890	.17020	.17050
.700	-3.060	2800.00000	2020.00000	88.20000	39.30000	.18230	.18820	.17690	.19200	.18790	.18660
.700	-2.060	2800.00000	2020.00000	88.20000	39.40000	.18020	.18330	.17790	.18230	.18300	.18350
.700	-1.040	2800.00000	2019.00000	88.20000	39.30000	.16750	.18240	.17880	.17650	.17730	.18570
.700	.000	2800.00000	2020.00000	88.20000	39.30000	.17570	.18180	.17900	.17570	.18230	.19540
.700	1.100	2800.00000	2023.00000	88.20000	39.60000	.18400	.19400	.18020	.18680	.18790	.18910
.700	2.150	2800.00000	2022.00000	88.30000	39.60000	.17560	.17760	.18250	.17870	.17610	.18200
.700	3.170	2800.00000	2021.00000	88.30000	39.60000	.18060	.18370	.18500	.19240	.19030	.19270
.700	4.200	2800.00000	2021.00000	88.40000	39.60000	.17370	.17520	.18030	.17550	.17420	.18080
.700	6.260	2800.00000	2022.00000	88.40000	39.70000	.15720	.16410	.17540	.15870	.16100	.16360
.700	8.310	2800.00000	2024.00000	89.50000	39.90000	.14900	.14670	.16700	.14360	.14700	.14820
	GRADIENT	-.00000	.05266	.03362	.03880	.00030	-.00006	.00132	.00050	.00032	.00095

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E150) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.013
RDBF =	-5.997	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-6.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 150/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-6.090	2800.00000	2021.00000	88.40000	39.70000	.15420	.15490	.16440	.15570	.15600	.15390
.699	-4.070	2800.00000	2025.00000	88.30000	39.80000	.16760	.16810	.16320	.16450	.16480	.16140
.699	-3.060	2800.00000	2020.00000	88.30000	39.50000	.18150	.18070	.17430	.18330	.17970	.17460
.699	-2.060	2800.00000	2020.00000	88.50000	39.70000	.17560	.17260	.17490	.18100	.17970	.18080
.699	-1.040	2800.00000	2019.00000	88.50000	39.60000	.17400	.18290	.17730	.17910	.17930	.18440
.699	.000	2800.00000	2022.00000	88.40000	39.70000	.16920	.18770	.17670	.17750	.18000	.18570
.699	1.100	2800.00000	2020.00000	88.50000	39.70000	.17890	.18990	.18170	.18940	.18760	.19300
.699	2.150	2800.00000	2022.00000	88.30000	39.70000	.17200	.17610	.18040	.18040	.17860	.17560
.699	3.170	2800.00000	2021.00000	88.50000	39.70000	.17890	.17760	.17990	.17810	.18580	.18450
.699	4.200	2800.00000	2019.00000	88.40000	39.50000	.17170	.17190	.17930	.17550	.17040	.17450
.699	6.260	2800.00000	2022.00000	88.30000	39.60000	.15490	.15750	.17270	.15830	.16080	.15880
.699	8.310	2800.00000	2020.00000	88.50000	39.70000	.14170	.14480	.14510	.13760	.14660	.14460
	GRADIENT	-.00000	-.25305	.00943	-.00793	.00010	.00031	.00154	.00060	.00074	.00127

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E151) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	.009
RDBF =	-3.902	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-4.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 151/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.700	-6.080	2813.00000	2029.00000	88.40000	39.60000	.14260	.15380	.15250	.14800	.15460	.15330
.700	-4.070	2814.00000	2029.00000	88.50000	39.60000	.16780	.15530	.15120	.15990	.16170	.17110
.700	-3.060	2814.00000	2025.00000	88.40000	39.20000	.16660	.15440	.15540	.15370	.16710	.17010
.700	-2.050	2813.00000	2029.00000	88.50000	39.60000	.15630	.15930	.14890	.16260	.16090	.16470
.700	-1.040	2813.00000	2027.00000	88.30000	39.40000	.17070	.16080	.15360	.16460	.17250	.17300
.700	.000	2814.00000	2030.00000	88.40000	39.60000	.16000	.16660	.15460	.16170	.17020	.17090
.700	1.100	2814.00000	2030.00000	88.50000	39.70000	.15840	.16020	.15590	.15970	.16760	.16940
.700	2.140	2814.00000	2027.00000	88.40000	39.40000	.16200	.17140	.15750	.16430	.17070	.17140
.700	3.160	2814.00000	2030.00000	88.40000	39.60000	.16090	.15860	.16060	.15810	.17460	.17740
.700	4.190	2814.00000	2029.00000	88.30000	39.40000	.16080	.16050	.15920	.16100	.17220	.16970
.700	6.260	2814.00000	2028.00000	88.50000	39.50000	.14960	.15020	.16290	.15220	.15350	.15470
.700	8.310	2814.00000	2029.00000	88.40000	39.50000	.13960	.14090	.15560	.13170	.13910	.14320
	GRADIENT	.04916	.22479	-.01272	.00485	-.00074	.00091	.00108	.00025	.00127	.00042

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E152) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.020
RDBF =	-2.130	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-2.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 152/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-6.080	2814.00000	2030.00000	88.20000	39.40000	.13550	.13120	.14450	.12180	.12430	.13630
.699	-4.060	2814.00000	2029.00000	88.20000	39.40000	.14150	.12960	.14370	.13370	.14110	.15000
.699	-3.060	2814.00000	2029.00000	88.30000	39.40000	.14770	.13320	.14470	.13500	.13980	.15150
.699	-2.060	2814.00000	2028.00000	88.30000	39.30000	.15400	.14030	.14870	.14870	.14940	.15430
.699	-1.040	2814.00000	2027.00000	88.10000	39.20000	.14680	.13970	.14860	.14710	.15190	.15900
.699	.000	2814.00000	2028.00000	88.20000	39.30000	.14260	.14840	.14740	.14970	.14440	.15730
.699	1.100	2814.00000	2028.00000	88.10000	39.20000	.14200	.14820	.14690	.14790	.15710	.15480
.699	2.150	2814.00000	2026.00000	88.30000	39.20000	.13950	.15100	.14770	.14410	.15300	.15890
.699	3.160	2814.00000	2030.00000	88.00000	39.20000	.13840	.14560	.14530	.13710	.15700	.15760
.699	4.190	2814.00000	2030.00000	88.20000	39.40000	.13640	.13900	.14610	.13440	.15690	.15840
.699	6.250	2814.00000	2029.00000	88.20000	39.30000	.14140	.13730	.14770	.13420	.14900	.15410
.699	8.310	2814.00000	2025.00000	88.10000	38.90000	.13220	.12890	.14600	.13150	.13550	.13280
	GRADIENT	.00000	.06498	-.01442	-.01280	-.00158	.00168	.00012	-.00000	.00204	.00091

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E153) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.014	RDA =	.022
RDBF =	.196	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 153/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.701	-6.080	2814.00000	2026.00000	88.10000	39.00000	.11960	.10260	.11320	.10330	.11530	.12930
.701	-4.060	2814.00000	2028.00000	88.10000	39.20000	.12780	.10510	.10770	.11430	.12500	.13670
.701	-3.060	2814.00000	2030.00000	88.20000	39.40000	.12470	.10610	.10710	.11940	.12450	.13420
.701	-2.050	2814.00000	2029.00000	88.30000	39.40000	.12710	.10930	.10980	.12250	.13040	.13760
.701	-1.040	2814.00000	2029.00000	88.10000	39.20000	.12730	.11360	.11080	.11890	.12600	.13060
.701	.000	2814.00000	2028.00000	88.10000	39.20000	.11620	.11640	.11490	.12460	.12760	.13150
.701	1.100	2814.00000	2027.00000	88.10000	39.10000	.12810	.12660	.11690	.13070	.13480	.14010
.701	2.140	2814.00000	2028.00000	88.20000	39.30000	.11790	.13530	.12000	.12430	.13700	.13880
.701	3.160	2814.00000	2032.00000	88.30000	39.60000	.11600	.13920	.12290	.11390	.13870	.13850
.701	4.190	2814.00000	2029.00000	88.30000	39.40000	.12770	.13870	.12750	.11600	.13920	.13900
.701	6.250	2814.00000	2031.00000	88.40000	39.60000	.11090	.12340	.12700	.11850	.13540	.13750
.701	8.290	2814.00000	2028.00000	88.20000	39.2[illegible]300	.12870	.11420	.12870	.11040	.14010	.14080
	GRADIENT	-.00000	.09593	.01450	.01772	-.00071	.00481	.00246	.00009	.00196	.00056

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E154) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.9100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.032	RDA =	.004
RDBF =	8.007	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	8.000	RN/L =	5.000
GRIT =	1.000		

RUN NO. 154/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-6.080	2813.00000	2031.00000	88.40000	39.70000	.07620	.06040	.06630	.07900	.08420	.09000
.698	-4.060	2814.00000	2030.00000	88.20000	39.40000	.09470	.06590	.06920	.08550	.09060	.10080
.698	-3.060	2814.00000	2030.00000	88.20000	39.40000	.09700	.07130	.07100	.08960	.09700	.10370
.698	-2.050	2814.00000	2030.00000	88.30000	39.50000	.09680	.07660	.07030	.08940	.10110	.11280
.698	-1.040	2813.00000	2030.00000	88.60000	39.80000	.08950	.08030	.07290	.09280	.09740	.10840
.698	.000	2813.00000	2026.00000	88.40000	39.40000	.08510	.08640	.07870	.10140	.10490	.11870
.698	1.100	2814.00000	2027.00000	88.40000	39.40000	.08730	.09310	.08220	.10760	.10030	.11070
.698	2.140	2814.00000	2029.00000	88.40000	39.50000	.09150	.09050	.08360	.09560	.10090	.10990
.698	3.160	2814.00000	2029.00000	88.50000	39.50000	.08100	.09550	.08640	.08540	.10650	.10800
.698	4.180	2814.00000	2030.00000	88.50000	39.70000	.07910	.10430	.08700	.07880	.10330	.10100
.698	6.240	2814.00000	2030.00000	88.40000	39.60000	.05390	.09140	.07860	.07100	.09420	.09570
.698	8.270	2814.00000	2028.00000	88.30000	39.40000	.02840	.07060	.05210	.04010	.07570	.08210
	GRADIENT	.01743	-.12787	.03355	.01743	-.00198	.00429	.00247	-.00020	.00131	.00015

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E155) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.040	RDA =	.006
RDBF =	16.372	ALPHA =	5.000
ELEVON =	.000	SPOBRK =	.000
BDFLAP =	16.300	RN/L =	5.000
GRIT =	1.000		

RUN NO. 155/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-6.080	2813.00000	2031.00000	88.50000	39.80000	.05270	.04100	.04410	.05530	.06420	.06980
.698	-4.070	2813.00000	2029.00000	88.50000	39.60000	.07220	.04620	.04600	.06960	.07400	.08360
.698	-3.060	2814.00000	2028.00000	88.60000	39.70000	.07420	.05000	.04690	.07340	.07590	.08610
.698	-2.050	2814.00000	2031.00000	88.80000	40.10000	.06850	.05550	.04860	.08250	.08200	.08940
.698	-1.040	2814.00000	2029.00000	88.70000	39.70000	.07240	.05970	.05330	.08360	.08340	.09280
.698	.000	2813.00000	2028.00000	88.60000	39.70000	.06890	.06330	.05590	.08590	.08190	.09640
.698	1.110	2813.00000	2029.00000	88.70000	39.80000	.06260	.06900	.05780	.08940	.08500	.09700
.698	2.140	2813.00000	2029.00000	88.70000	39.80000	.07100	.07150	.06360	.08960	.09140	.09820
.698	3.150	2814.00000	2028.00000	88.80000	39.80000	.07160	.07490	.07060	.08910	.08780	.09950
.698	4.180	2814.00000	2028.00000	88.80000	39.80000	.06150	.06680	.05360	.08490	.08510	.09250
.698	6.240	2814.00000	2029.00000	88.60000	39.70000	.03553	.07750	.05620	.05820	.07750	.08030
.698	8.290	2814.00000	2029.00000	88.70000	39.80000	-.00780	.05830	.02790	.02770	.05340	.06310
	GRADIENT	.01522	-.12872	.02565	.00958	-.00089	.00319	.00219	.00206	.00162	.00157

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E156) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.045	RDA =	-.003
RDBF =	21.096	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	22.500	RN/L =	5.000
GRIT =	1.000		

RUN NO. 156/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.701	-6.080	2814.00000	2027.00000	88.80000	39.70000	.02600	.01690	.00670	.04280	.04740	.05860
.701	-4.070	2814.00000	2030.00000	88.80000	40.00000	.03990	.01740	.01030	.04960	.05820	.06690
.701	-3.060	2814.00000	2031.00000	88.60000	39.90000	.04200	.02640	.01160	.04730	.06080	.06800
.701	-2.050	2814.00000	2031.00000	88.80000	40.00000	.04780	.03020	.01670	.05800	.06540	.07450
.701	-1.040	2814.00000	2029.00000	88.80000	39.90000	.04820	.03250	.02250	.05920	.06450	.07930
.701	.000	2814.00000	2030.00000	89.00000	40.10000	.04480	.03990	.02790	.06590	.06620	.07460
.701	1.090	2814.00000	2030.00000	88.80000	40.00000	.04830	.04190	.03250	.06990	.06330	.07910
.701	2.140	2814.00000	2028.00000	88.90000	39.90000	.04870	.04900	.03930	.07060	.07340	.07930
.701	3.160	2814.00000	2029.00000	88.80000	39.90000	.04550	.04490	.04110	.06460	.06860	.07810
.701	4.190	2814.00000	2029.00000	89.10000	40.10000	.03380	.04270	.02510	.06050	.06080	.07070
.701	6.240	2814.00000	2031.00000	89.00000	40.20000	.00960	.05390	.03560	.04630	.05960	.06160
.701	8.290	2814.00000	2031.00000	89.10000	40.30000	-.02670	.02950	.01190	.00910	.02900	.04480
	GRADIENT	-.00000	-.24152	.03204	.00476	-.00020	.00327	.00326	.00211	.00078	.00088

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E157) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.034	RDA =	.034
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 157/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-10.340	2813.00000	2029.00000	87.20000	38.40000	.19740	.20530	.20270	.19630	.20350	.21270
.699	-6.030	2814.00000	2028.00000	87.10000	38.30000	.20330	.20460	.20410	.20100	.20460	.20790
.699	-3.970	2814.00000	2027.00000	87.30000	38.40000	.17040	.17340	.18030	.17540	.18000	.18050
.699	-1.920	2814.00000	2030.00000	87.30000	38.60000	.13250	.13250	.14250	.13870	.13280	.14020
.699	.190	2814.00000	2028.00000	87.30000	38.40000	.11550	.11550	.12090	.12570	.12290	.12850
.699	7.980	2814.00000	2027.00000	87.40000	38.50000	.08270	.08370	.08880	.10130	.09310	.10540
.699	16.410	2814.00000	2029.00000	87.50000	38.70000	.05750	.05900	.05060	.08400	.06800	.08610
.699	21.160	2814.00000	2032.00000	87.50000	38.90000	.03010	.02550	.02110	.04950	.04190	.05540
	GRADIENT	-.00002	.23458	.00000	-.00046	-.01317	-.01389	-.01426	-.01192	-.01368	-.01247

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E158) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.031 RDA = .021
ALPHA = 10.000 BETA = 2.000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 158/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-10.480	2813.00000	2031.00000	87.50000	38.80000	.19680	.20910	.20060	.21190	.20880	.21010
.699	-6.020	2813.00000	2030.00000	87.50000	38.80000	.19340	.20970	.20230	.20490	.20490	.20970
.699	-3.840	2814.00000	2029.00000	87.50000	38.70000	.14970	.16910	.17860	.16300	.17250	.17500
.699	-1.910	2814.00000	2027.00000	87.60000	38.70000	.14150	.14690	.14760	.12220	.14530	.15350
.699	.180	2814.00000	2030.00000	87.40000	38.70000	.11210	.12740	.12230	.10750	.13150	.13450
.699	8.200	2814.00000	2026.00000	87.40000	38.40000	.07530	.08620	.07580	.08320	.09030	.10630
.699	16.460	2814.00000	2027.00000	87.40000	38.50000	.05780	.05930	.03800	.07100	.06950	.08350
.699	21.120	2814.00000	2026.00000	87.50000	38.50000	.02930	.03360	.02020	.05550	.04100	.06180
	GRADIENT	.00002	.26512	-.02585	.00000	-.06942	-.01036	-.01398	-.01371	-.01015	-.01006

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E159) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDE = -.042 RDA = .065
ALPHA = 12.000 BETA = .000
ELEVON = .000 SPDBRK = .000
RN/L = 5.000 GRIT = 1.000

RUN NO. 159/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.700	-10.530	2813.00000	2028.00000	87.20000	38.40000	.20520	.20520	.20370	.20780	.20650	.21010
.700	-6.030	2813.00000	2029.00000	87.40000	38.70000	.20130	.20920	.20510	.20840	.20130	.21120
.700	-4.130	2814.00000	2028.00000	87.40000	38.60000	.16970	.17630	.17780	.17680	.18110	.18160
.700	-2.200	2814.00000	2032.00000	87.30000	38.70000	.13540	.13410	.13590	.14840	.13690	.14610
.700	.250	2814.00000	2028.00000	87.40000	38.50000	.10600	.11440	.11100	.12170	.11410	.12300
.700	7.880	2814.00000	2028.00000	87.40000	38.60000	.07490	.08450	.09140	.09520	.08760	.10970
.700	16.440	2814.00000	2030.00000	87.40000	38.70000	.04100	.05300	.04330	.06700	.05400	.06980
.700	21.120	2814.00000	2026.00000	87.30000	38.40000	.01970	.02220	.02910	.04250	.02800	.05340
	GRADIENT	.00000	-.07193	.00180	-.02542	-.01443	-.01386	-.01503	-.01251	-.01503	-.01320

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E160) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.024	RDA =	.057
ALPHA =	12.000	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	5.000	GRIT =	1.000

RUN NO. 160/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-10.190	2813.00000	2029.00000	87.40000	38.60000	.19690	.21420	.19970	.21860	.21880	.21680
.699	-5.960	2814.00000	2028.00000	87.30000	38.40000	.18870	.20370	.20070	.20270	.20600	.20630
.699	-4.170	2814.00000	2030.00000	87.40000	38.70000	.15720	.17840	.17430	.17200	.17760	.18550
.699	-2.210	2814.00000	2030.00000	87.40000	38.70000	.13390	.14080	.13770	.13210	.14920	.14920
.699	.170	2814.00000	2028.00000	87.40000	38.50000	.10890	.11420	.11730	.10710	.12310	.13300
.699	8.170	2814.00000	2030.00000	87.40000	38.70000	.06880	.07880	.07700	.08800	.08410	.09660
.699	16.080	2814.00000	2028.00000	87.30000	38.50000	.04090	.04290	.04290	.05720	.05590	.07300
.699	21.160	2814.00000	2027.00000	87.40000	38.40000	.02000	.01410	-.00440	.02730	.02330	.04740
	GRADIENT	.00002	-.47421	-.00000	-.04742	-.01111	-.01467	-.01297	-.01480	-.01250	-.01191

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E161) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.069
RDBF =	-10.470	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 161/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-2.370	2918.00000	2199.00000	84.50000	42.30000	.17810	.18880	.19590	.19460	.19070	.19620
.649	-.350	2918.00000	2201.00000	84.70000	42.50000	.17650	.19410	.19570	.18970	.19300	.19820
.649	1.650	2918.00000	2201.00000	84.40000	42.30000	.18570	.19280	.19420	.18290	.19060	.19720
.649	3.640	2918.00000	2201.00000	84.30000	42.20000	.19060	.18810	.19060	.19090	.19280	.19140
.649	5.620	2919.00000	2202.00000	84.30000	42.30000	.19140	.19110	18860	.19300	.19190	.18920
.649	7.650	2919.00000	2202.00000	84.40000	42.30000	.18520	.19590	.19070	.19390	.19450	.19670
.649	9.660	2919.00000	2201.00000	84.50000	42.30000	.20970	.20590	.19580	.20560	.20210	.20560
.649	10.670	2919.00000	2201.00000	84.40000	42.20000	.20610	.21240	.20040	.20750	.20590	.21270
.649	11.700	2919.00000	2200.00000	84.50000	42.20000	.20810	.21060	.20590	.21190	.21220	.21250
.649	12.680	2919.00000	2201.00000	84.40000	42.20000	.20150	.20750	.20510	.20780	.20510	.20510
.649	13.700	2919.00000	2202.00000	84.40000	42.30000	.20700	.20700	.20370	.20320	.20430	.20010
.649	14.690	2920.00000	2203.00000	84.50000	42.40000	.20290	.20240	.20150	.19990	.19630	.20180
.649	15.700	2920.00000	2202.00000	84.80000	42.60000	.19760	.20230	.20360	.20230	.19840	.20060
.649	19.620	2920.00000	2203.00000	84.70000	42.60000	.18960	.19040	.19540	.18720	.19100	.19180
	GRADIENT	.00000	.30034	-.04480	-.02484	.00233	-.00017	-.00087	-.00090	.00019	-.00077

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E162) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.056	RDA =	.064
RDBF =	-10.478	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 162/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.410	2919.00000	2200.00000	84.40000	42.20000	.18650	.19090	.19990	.19660	.19770	.19990
.648	-.400	2920.00000	2200.00000	83.90000	41.70000	.18140	.19040	.19700	.19480	.19260	.19510
.648	1.620	2919.00000	2202.00000	82.70000	40.70000	.18680	.18900	.19120	.18320	.18630	.18490
.648	3.630	2920.00000	2200.00000	82.70000	40.50000	.18570	.18240	.19220	.19080	.18700	.19060
.648	5.670	2920.00000	2199.00000	82.70000	40.50000	.18500	.18960	.19290	.19480	.19260	.19450
.648	7.740	2920.00000	2204.00000	83.00000	41.10000	.17620	.18140	.18310	.18140	.17810	.18140
.648	9.760	2920.00000	2202.00000	82.90000	40.90000	.19540	.21450	.19400	.21150	.21450	.21480
.648	10.770	2920.00000	2199.00000	83.00000	40.70000	.20150	.21840	.20290	.21540	.21780	.22300
.648	11.790	2920.00000	2199.00000	83.10000	40.80000	.20530	.20930	.20500	.20420	.21260	.22760
.648	12.780	2919.00000	2204.00000	83.30000	41.40000	.19780	.21180	.20280	.21380	.21490	.20720
.648	13.790	2920.00000	2201.00000	83.40000	41.30000	.19420	.20840	.20760	.20290	.20920	.20900
.648	14.780	2920.00000	2203.00000	83.50000	41.50000	.19940	.20790	.20520	.20740	.20380	.20460
.648	15.770	2920.00000	2199.00000	83.70000	41.40000	.19470	.20230	.20750	.19880	.20670	.20340
.648	19.670	2920.00000	2201.00000	83.80000	41.70000	.18010	.17990	.19630	.17600	.18560	.18120
	GRADIENT	.09910	.09960	-.31290	-.30294	.00015	-.00134	-.00144	-.00144	-.00191	-.00189

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E163) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.011	RDA =	-.009
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 163/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.649	-6.070	2919.00000	2200.00000	83.50000	41.30000	.16370	.16370	.17160	.16180	.16530	.16500
.649	-4.060	2919.00000	2201.00000	83.60000	41.50000	.17570	.17900	.17270	.18390	.17590	.17950
.649	-3.060	2919.00000	2201.00000	83.60000	41.50000	.18470	.19090	.17510	.18790	.18410	.19070
.649	-2.050	2920.00000	2200.00000	83.60000	41.40000	.17750	.18430	.17720	.18400	.18070	.18400
.649	-1.040	2920.00000	2201.00000	83.50000	41.40000	.17320	.18380	.17810	.18190	.18270	.18430
.649	.000	2920.00000	2200.00000	83.60000	41.40000	.18340	.19050	.18290	.19300	.19380	.19400
.649	1.110	2920.00000	2199.00000	83.50000	41.30000	.18350	.19410	.18590	.18810	.19250	.19870
.649	2.150	2920.00000	2201.00000	83.60000	41.50000	.17270	.18300	.18440	.18690	.18690	.18600
.649	3.170	2920.00000	2200.00000	83.50000	41.30000	.18870	.19470	.18840	.19960	.19600	.19570
.649	4.190	2920.00000	2202.00000	83.90000	41.80000	.17340	.17940	.18430	.17310	.18210	.18050
.649	6.250	2920.00000	2204.00000	83.60000	41.70000	.16330	.16900	.17890	.16190	.16600	.16930
.649	8.290	2920.00000	2199.00000	83.80000	41.50000	.15690	.15730	.17830	.15680	.16030	.15920
	GRADIENT	.11168	.01599	.01445	.01128	.00006	.00033	.00174	.00007	.00133	.00060

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E164) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.064
RDBF =	-10.502	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 164/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.497	-2.360	3497.00000	2954.00000	81.60000	56.10000	.19450	.19940	.18480	.19350	.19550	.20070
.497	-.370	3498.00000	2953.00000	81.60000	56.00000	.19560	.19560	.18760	.19420	.19700	.19830
.497	1.650	3498.00000	2953.00000	81.60000	56.00000	.19280	.19280	.18620	.19970	.19870	.19900
.497	3.600	3498.00000	2954.00000	81.60000	56.10000	.19530	.19530	.18630	.19630	.19730	.20080
.497	5.630	3498.00000	2954.00000	81.60000	56.10000	.19960	.19610	.18640	.20030	.19780	.19720
.497	7.640	3498.00000	2952.00000	81.50000	55.90000	.22230	.20050	.19160	.20470	.20540	.20430
.497	9.680	3498.00000	2954.00000	81.70000	56.10000	.20960	.20720	.19370	.20720	.20820	.21100
.497	10.690	3498.00000	2954.00000	81.50000	56.00000	.20900	.21690	.19750	.21280	.21110	.21070
.497	11.690	3498.00000	2953.00000	81.60000	56.00000	.21100	.21100	.20270	.21590	.20860	.21380
.497	12.660	3498.00000	2953.00000	81.70000	56.10000	.20560	.21040	.20420	.20590	.20620	.21110
.497	13.710	3498.00000	2955.00000	81.50000	56.00000	.20390	.20810	.20290	.21020	.20530	.20840
.497	14.680	3498.00000	2954.00000	81.60000	56.10000	.20490	.20740	.20360	.20770	.20630	.20670
.497	15.680	3498.00000	2954.00000	81.40000	55.90000	.20690	.20820	.20480	.21100	.20580	.20860
.497	19.640	3498.00000	2957.00000	81.70000	56.30000	.18230	.19560	.19730	.18090	.18900	.19380
	GRADIENT	.15100	-.00101	.00000	-.00010	-.00002	-.00076	.00016	.00070	.00036	.00005

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E165) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 165/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.498	-2.410	3498.00000	2954.00000	81.50000	55.90000	.18310	.19910	.20150	.19140	.19250	.19800
.498	-.380	3497.00000	2953.00000	81.30000	55.80000	.19100	.19860	.19860	.19240	.19620	.20000
.498	1.610	3497.00000	2954.00000	81.50000	56.00000	.19400	.19300	.19400	.19570	.19470	.19640
.498	3.630	3497.00000	2955.00000	81.40000	56.00000	.18760	.19730	.19450	.19140	.19520	.19660
.498	5.680	3497.00000	2955.00000	81.40000	55.90000	.18710	.19370	.19300	.19020	.19020	.19650
.498	7.720	3497.00000	2954.00000	80.80000	55.40000	.19110	.19940	.19390	.19730	.19910	.20600
.498	9.760	3497.00000	2955.00000	80.10000	54.70000	.19810	.20710	.19670	.20260	.20610	.21270
.498	10.770	3497.00000	2955.00000	79.80000	54.40000	.20050	.20990	.19940	.20810	.21160	.22200
.498	11.770	3498.00000	2954.00000	79.80000	54.30000	.20740	.21130	.20260	.20850	.21090	.22300
.498	12.770	3498.00000	2955.00000	79.60000	54.20000	.20450	.21590	.20350	.21970	.21770	.22010
.498	13.780	3498.00000	2954.00000	79.70000	54.20000	.20750	.21580	.20960	.22030	.22380	.22270
.498	14.760	3498.00000	2955.00000	79.80000	54.40000	.20290	.21210	.20550	.21180	.21490	.21490
.498	15.730	3498.00000	2955.00000	79.80000	54.40000	.20520	.20970	.20450	.20870	.20830	.21150
.498	19.740	3498.00000	2955.00000	79.80000	54.40000	.18340	.18480	.19830	.18410	.18510	.18440
	GRADIENT	-.14948	.19831	-.00511	.02476	.00082	-.00054	-.00127	.00016	.00033	-.00039

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E166) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.042
RDBF =	-10.511	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 166/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.497	-6.050	3497.00000	2954.00000	80.00000	54.60000	.17280	.17840	.19750	.17280	.17980	.17910
.497	-4.050	3497.00000	2953.00000	80.00000	54.60000	.19240	.19760	.19940	.19870	.19560	.19730
.497	-3.040	3497.00000	2955.00000	80.00000	54.70000	.19090	.19540	.19440	.19540	.19400	.19960
.497	-2.040	3497.00000	2955.00000	80.00000	54.60000	.18810	.18950	.19470	.19260	.19230	.19540
.497	-1.020	3497.00000	2955.00000	80.10000	54.70000	.19670	.19940	.19350	.20430	.19630	.20260
.497	.000	3497.00000	2954.00000	80.00000	54.50000	.19760	.19730	.19410	.19930	.19620	.19970
.497	1.110	3497.00000	2954.00000	80.00000	54.60000	.19590	.20110	.19350	.19520	.19840	.19940
.497	2.140	3497.00000	2954.00000	80.10000	54.70000	.16970	.19520	.19770	.19450	.19490	.19770
.497	3.160	3497.00000	2954.00000	80.10000	54.70000	.19240	.19590	.19800	.19310	.19590	.20430
.497	4.180	3497.00000	2954.00000	80.10000	54.70000	.19020	.19610	.19610	.19160	.19270	.20130
.497	6.230	3497.00000	2955.00000	80.10000	54.80000	.17473	.17950	.19170	.17780	.17570	.18060
.497	8.260	3497.00000	2954.00000	80.20000	54.70000	.15980	.15940	.18410	.16670	.16430	.16710
	GRADIENT	.00000	-.03351	.01289	.00815	-.00004	.00014	.00006	-.00066	.00002	.00051

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E167) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.047	RDA =	.019
RDBF =	-10.503	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 167/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.495	-2.400	4590.00000	3882.00000	81.50000	56.20000	.19610	.20490	.19580	.19480	.20330	.20250
.495	-.360	4590.00000	3879.00000	81.60000	56.20000	.19660	.19950	.20050	.20130	.20290	.20530
.495	1.630	4590.00000	3880.00000	81.80000	56.40000	.20080	.20400	.19920	.20590	.20400	.20560
.495	3.620	4590.00000	3880.00000	81.90000	56.50000	.20330	.20380	.19770	.20270	.20410	.20750
.495	5.560	4590.00000	3880.00000	81.90000	56.50000	.20130	.20320	.19810	.20500	.20420	.20500
.495	7.610	4590.00000	3879.00000	81.80000	56.40000	.20700	.20670	.20090	.21360	.20830	.21020
.495	9.690	4590.00000	3879.00000	82.00000	56.50000	.21230	.21200	.20430	.21410	.21170	.21860
.495	10.680	4590.00000	3879.00000	81.80000	56.40000	.21220	.21670	.20400	.21700	.21480	.21720
.495	11.680	4589.00000	3878.00000	81.90000	56.40000	.21290	.21740	.20840	.21770	.21390	.22030
.495	12.680	4589.00000	3876.00000	81.90000	56.40000	.21090	.21600	.20880	.21780	.21310	.21780
.495	13.730	4589.00000	3877.00000	81.80000	56.40000	.21060	.21430	.20720	.21240	.21240	.21380
.495	14.710	4590.00000	3878.00000	82.00000	56.60000	.20970	.20840	.20680	.21420	.20920	.21180
.495	15.660	4589.00000	3879.00000	82.20000	56.80000	.21090	.21490	.20880	.20980	.21200	.21490
.495	19.690	4590.00000	3881.00000	82.10000	56.70000	.19530	.20140	.20190	.19470	.19500	.19630
	GRADIENT	-.00001	-.25185	.06980	.05476	.00128	.00005	.00022	.00142	.00017	.00076

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E168) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.017
RDBF =	-10.488	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 168/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.496	-2.400	4589.00000	3878.00000	82.10000	56.70000	.19570	.20070	.20680	.19860	.19750	.20630
.496	-.400	4589.00000	3877.00000	82.00000	56.60000	.20440	.20090	.20620	.20600	.20410	.20650
.496	1.580	4589.00000	3878.00000	82.00000	56.60000	.19870	.19520	.19870	.20290	.20210	.20850
.496	3.620	4589.00000	3878.00000	82.00000	56.60000	.20350	.20190	.20000	.20590	.20320	.20540
.496	5.650	4589.00000	3879.00000	82.20000	56.80000	.19310	.20000	.19730	.19680	.19950	.20110
.496	7.730	4589.00000	3878.00000	82.10000	56.60000	.19310	.20300	.19850	.20090	.20110	.21120
.496	9.830	4589.00000	3878.00000	82.30000	56.80000	.20300	.21180	.20200	.20830	.21180	.22750
.496	10.790	4589.00000	3878.00000	82.20000	56.70000	.21150	.21230	.20560	.20880	.21790	.22660
.496	11.810	4589.00000	3877.00000	82.20000	56.70000	.20960	.21940	.20930	.21410	.21940	.22920
.496	12.780	4589.00000	3877.00000	82.10000	56.70000	.20890	.22090	.21290	.22560	.22770	.22700
.496	13.790	4589.00000	3878.00000	82.20000	56.80000	.20710	.22060	.21240	.21740	.21900	.21880
.496	14.810	4589.00000	3878.00000	82.00000	56.60000	.21290	.21640	.21370	.21850	.21900	.21720
.496	15.760	4588.00000	3877.00000	82.20000	56.70000	.20890	.21340	.21400	.21130	.21930	.22030
.496	19.680	4589.00000	3878.00000	82.30000	56.80000	.18700	.19020	.20290	.18570	.18960	.18510
	GRADIENT	-.00001	.04980	-.01494	-.01494	.00089	-.00010	-.00139	.00094	.00075	-.00004

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E169) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.038	RDA =	.035
RDBF =	-10.501	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BOFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 169/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-2.420	3068.00000	2410.00000	82.70000	46.50000	.18710	.20090	.20950	.19150	.19620	.20390
.598	-.380	3068.00000	2410.00000	82.60000	46.50000	.18650	.20240	.20680	.19710	.19380	.20000
.598	1.640	3068.00000	2410.00000	82.80000	46.60000	.19910	.19440	.20470	.20060	.20060	.19850
.598	3.650	3068.00000	2409.00000	82.80000	46.60000	.19430	.19400	.19960	.19790	.19730	.20050
.598	5.590	3068.00000	2410.00000	82.80000	46.70000	.19100	.19220	.19900	.19490	.19540	.19310
.598	7.640	3068.00000	2409.00000	82.70000	46.50000	.19870	.19490	.20160	.19990	.20100	.19900
.598	9.620	3068.00000	2410.00000	82.80000	46.60000	.20590	.20620	.20410	.20830	.20940	.21270
.598	10.650	3068.00000	2410.00000	82.80000	46.60000	.20620	.21240	.20770	.21040	.20920	.21510
.598	11.660	3068.00000	2409.00000	82.80000	46.60000	.20340	.21300	.20950	.20950	.20540	.21220
.598	12.650	3068.00000	2409.00000	83.00000	46.70000	.21120	.21330	.21150	.21120	.21150	.20950
.598	13.630	3068.00000	2410.00000	82.70000	46.60000	.20760	.20900	.21080	.20520	.20490	.20930
.598	14.660	3068.00000	2410.00000	83.00000	46.80000	.20610	.20080	.21050	.20490	.20790	.20580
.598	15.700	3068.00000	2409.00000	83.00000	46.80000	.20630	.20900	.21340	.20690	.20630	.20660
.598	19.660	3069.00000	2412.00000	83.00000	46.90000	.18970	.19030	.20380	.18530	.19090	.18760
	GRADIENT	-.00000	-.14795	.02467	.01977	.00169	-.00142	-.00157	.00113	.00050	-.00058

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E170) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.045	RDA =	.019
RDBF =	-10.503	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 170/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-2.440	3069.00000	2410.00000	82.60000	46.40000	.17740	.19060	.20740	.18620	.19090	.19120
.598	-.410	3069.00000	2410.00000	82.90000	46.70000	.18360	.19830	.20650	.19240	.19770	.19860
.598	1.570	3069.00000	2409.00000	82.90000	46.60000	.18980	.18680	.20320	.19330	.19330	.19210
.598	3.670	3069.00000	2408.00000	82.80000	46.50000	.18160	.18680	.20090	.19360	.19560	.19620
.598	5.610	3069.00000	2410.00000	83.00000	46.80000	.18270	.19230	.19730	.19560	.19000	.19470
.598	7.750	3069.00000	2411.00000	83.10000	47.00000	.18190	.20690	.19630	.20010	.20040	.18720
.598	9.750	3069.00000	2411.00000	83.10000	46.90000	.19410	.21050	.20050	.19820	.20580	.21140
.598	10.790	3069.00000	2411.00000	83.10000	46.90000	.19980	.20830	.20360	.20190	.21330	.22010
.598	11.790	3069.00000	2411.00000	83.20000	47.00000	.20470	.21440	.20770	.20350	.21090	.22060
.598	12.730	3069.00000	2410.00000	83.20000	47.00000	.20170	.21380	.21290	.20580	.21050	.22760
.598	13.740	3069.00000	2410.00000	83.20000	47.00000	.19890	.21650	.21150	.21360	.21680	.21390
.598	14.750	3069.00000	2415.00000	83.30000	47.40000	.20570	.20800	.20660	.20450	.20570	.20510
.598	15.710	3070.00000	2410.00000	83.40000	47.20000	.20910	.20670	.21290	.20380	.20990	.21080
.598	19.650	3070.00000	2408.00000	83.70000	47.30000	.17560	.18150	.18590	.17850	.18640	.18410
	GRADIENT	.00000	-.34505	.02928	.00967	.00091	-.00112	-.00112	.00113	.00048	.00043

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E171) (19 MAR 77)

REFERENCE DATA

SREF	= 2690.0000 SQ.FT.	XMRP	= 1076.6800 IN. XO		
LREF	= 474.8100 IN.	YMRP	= .0000 IN. YO		
BREF	= 936.6800 IN.	ZMRP	= 375.0000 IN. ZO		
SCALE	= .0300				

PARAMETRIC DATA

RDE =	-.055	RDA =	.009
RDBF =	-10.476	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 171/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.648	-2.460	3828.00000	2887.00000	87.70000	45.30000	.19650	.20740	.19530	.20050	.20110	.20900
.648	-.370	3829.00000	2887.00000	87.80000	45.40000	.19360	.20400	.19940	.20590	.20440	.20730
.648	1.650	3829.00000	2887.00000	88.00000	45.50000	.20210	.20420	.20100	.20420	.20940	.21060
.648	3.590	3829.00000	2890.00000	88.30000	46.00000	.19690	.20410	.19740	.19760	.20280	.20550
.648	5.600	3829.00000	2889.00000	88.40000	46.00000	.19590	.19940	.19670	.20380	.19990	.20170
.648	7.680	3830.00000	2887.00000	88.70000	46.10000	.20960	.21020	.20170	.20880	.20360	.20790
.648	9.690	3829.00000	2887.00000	88.90000	46.40000	.21640	.21430	.20510	.21620	.21910	.21830
.648	10.710	3828.00000	2888.00000	89.00000	46.50000	.22010	.22140	.20990	.22120	.21680	.22430
.648	11.710	3829.00000	2888.00000	89.20000	46.70000	.21430	.22410	.21100	.21760	.21620	.21930
.648	12.670	3829.00000	2890.00000	89.30000	46.90000	.21120	.21770	.21100	.21290	.21000	.21310
.648	13.720	3830.00000	2888.00000	89.50000	46.90000	.20790	.21230	.21100	.21060	.20850	.20910
.648	14.730	3830.00000	2885.00000	89.80000	47.10000	.20590	.20940	.21540	.21400	.21460	.21750
.648	15.690	3829.00000	2891.00000	89.80000	47.40000	.20500	.21170	.21000	.20630	.20420	.20790
.648	19.650	3831.00000	2888.00000	90.30000	47.70000	.18950	.18930	.19220	.18740	.18990	.19240
	GRADIENT	.15051	.44048	.09876	.10830	.00049	-.00049	.00041	-.00049	.00062	-.00035

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E172) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.019	RDA =	.062
RDBF =	-10.468	BETA =	2.000
ELEVON =	.000	SPOBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 172/ 0 RN/L = 6.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.647	-2.450	3828.00000	2889.00000	90.10000	47.60000	.17900	.19690	.19840	.19300	.17750	.19170
.647	-.440	3828.00000	2889.00000	90.10000	47.60000	.19170	.19960	.19800	.19610	.19590	.19710
.647	1.600	3828.00000	2889.00000	90.40000	47.90000	.19210	.19300	.19400	.19670	.19900	.20610
.647	3.650	3828.00000	2889.00000	90.50000	48.00000	.18090	.19400	.19420	.19760	.18710	.19570
.647	5.650	3828.00000	2885.00000	90.70000	48.00000	.18750	.19790	.19850	.19520	.19830	.20440
.647	7.760	3829.00000	2888.00000	90.70000	48.10000	.19700	.19300	.19300	.19490	.19280	.19360
.647	9.830	3828.00000	2887.00000	91.00000	48.40000	.20650	.21070	.21530	.20650	.21460	.22760
.647	10.780	3828.00000	2889.00000	91.10000	48.50000	.20980	.21820	.21300	.20790	.22130	.22840
.647	11.800	3828.00000	2889.00000	91.20000	48.70000	.21200	.22310	.21450	.21720	.22200	.23310
.647	12.760	3828.00000	2892.00000	91.20000	48.80000	.20440	.21740	.21510	.21150	.21970	.21970
.647	13.810	3829.00000	2892.00000	91.40000	48.90000	.19570	.21070	.21490	.21160	.21280	.21010
.647	14.790	3828.00000	2887.00000	91.70000	49.00000	.21350	.21690	.21710	.21290	.21900	.21460
.647	15.740	3828.00000	2896.00000	91.80000	49.00000	.21230	.20560	.21650	.21230	.21270	.21810
.647	19.660	3828.00000	2889.00000	92.60000	49.90000	.18220	.18760	.19160	.18300	.18530	.18570
	GRADIENT	.00001	.00000	.07382	.07382	.00029	-.00075	-.00082	.00071	.00155	.00103

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E173) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.025	RDA =	.050
RDBF =	-10.472	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 173/ 0 RN/L = 6.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-2.450	3671.00000	2652.00000	93.20000	44.10000	.18060	.19140	.19610	.19180	.19320	.19690
.698	-.420	3671.00000	2651.00000	93.10000	44.00000	.17990	.19950	.19480	.19400	.19480	.20060
.698	1.610	3671.00000	2653.00000	93.30000	44.30000	.18860	.20090	.19550	.19490	.19020	.20270
.698	3.610	3691.00000	2662.00000	93.40000	44.10000	.19720	.20250	.19920	.19970	.19780	.20360
.698	5.660	3690.00000	2664.00000	93.10000	44.00000	.18880	.19830	.19720	.19410	.20050	.20200
.698	7.670	3691.00000	2664.00000	93.50000	44.30000	.19370	.20110	.19950	.19620	.20110	.20710
.698	9.710	3691.00000	2662.00000	93.40000	44.10000	.21210	.21400	.21170	.20900	.21400	.21710
.698	10.670	3691.00000	2668.00000	93.70000	44.70000	.20840	.21810	.20860	.21500	.21130	.21350
.698	11.710	3691.00000	2665.00000	93.70000	44.60000	.20920	.21910	.21320	.21660	.21500	.21680
.698	12.670	3690.00000	2669.00000	93.70000	44.80000	.21000	.21240	.21180	.20980	.20810	.20770
.698	13.720	3690.00000	2666.00000	93.80000	44.70000	.21530	.21430	.21590	.21760	.21450	.21710
.698	14.690	3690.00000	2665.00000	93.60000	44.50000	.21130	.20970	.21530	.20830	.21050	.21260
.698	15.670	3690.00000	2666.00000	94.00000	44.90000	.21200	.21210	.21250	.21040	.21350	.21210
.698	19.660	3692.00000	2660.00000	94.20000	44.60000	.18870	.19120	.19720	.19810	.20030	.19850
	GRADIENT	2.95998	1.57938	.03954	.01495	.00289	.00172	.00049	.00122	.00045	.00110

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E174) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.030	RDA =	.029
RDBF =	-10.474	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 174/ 0 RN/L = 6.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-2.430	3690.00000	2663.00000	93.30000	44.10000	.17350	.19280	.19770	.18930	.17960	.19630
.699	-.420	3689.00000	2663.00000	93.50000	44.30000	.18150	.19420	.19830	.19090	.18370	.20140
.699	1.600	3689.00000	2668.00000	93.50000	44.50000	.18390	.18960	.19230	.19350	.18980	.19330
.699	3.650	3689.00000	2669.00000	93.50000	44.60000	.17950	.18810	.17830	.18250	.17830	.18870
.699	5.640	3689.00000	2667.00000	93.40000	44.50000	.18490	.19150	.17980	.18960	.18820	.19110
.699	7.740	3689.00000	2668.00000	93.40000	44.50000	.18770	.19180	.19550	.19470	.18690	.19670
.699	9.810	3691.00000	2663.00000	93.70000	44.40000	.20470	.21640	.21720	.22070	.21970	.22840
.699	10.790	3690.00000	2666.00000	93.70000	44.60000	.20760	.21680	.21830	.21150	.21910	.22730
.699	11.780	3690.00000	2666.00000	93.80000	44.70000	.21130	.21910	.21870	.21110	.22060	.22900
.699	12.790	3689.00000	2665.00000	93.80000	44.70000	.20280	.21780	.21880	.21880	.22110	.22150
.699	13.770	3689.00000	2669.00000	94.00000	45.10000	.20310	.21390	.21580	.21580	.21500	.21030
.699	14.760	3690.00000	2668.00000	93.80000	44.80000	.20990	.20960	.21510	.21080	.21270	.20860
.699	15.760	3690.00000	2668.00000	93.80000	44.80000	.20290	.20780	.21170	.20350	.20840	.20980
.699	19.680	3691.00000	2660.00000	94.30000	44.80000	.18790	.19300	.19920	.18990	.19200	.19340
	GRADIENT	-.14763	1.13527	.02953	.08385	.00100	-.00092	-.00318	-.00089	.00010	-.00153

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E175) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.023	RDA =	.027
RDBF =	-10.472	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 175/ 0 RN/L = 6.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-6.060	3690.00000	2663.00000	93.80000	44.60000	.18920	.21200	.20630	.20750	.19820	.21180
.699	-4.050	3689.00000	2661.00000	94.00000	44.70000	.19120	.22050	.21060	.22150	.20650	.21970
.699	-3.030	3688.00000	2666.00000	94.00000	45.00000	.19130	.21750	.20950	.21850	.20420	.21440
.699	-2.000	3689.00000	2664.00000	94.00000	44.80000	.19530	.21980	.21400	.21750	.21050	.22140
.699	-.980	3689.00000	2663.00000	94.00000	44.80000	.20720	.21950	.21350	.21560	.21170	.21400
.699	.050	3689.00000	2666.00000	94.10000	45.00000	.21210	.21660	.21190	.21970	.21430	.21780
.699	1.060	3689.00000	2666.00000	94.00000	44.90000	.21150	.22690	.21620	.21700	.22170	.22340
.699	2.100	3689.00000	2666.00000	93.30000	44.30000	.20840	.21670	.21660	.21010	.21970	.22960
.699	3.130	3689.00000	2668.00000	92.70000	43.90000	.20370	.22070	.21460	.21790	.21850	.22500
.699	4.150	3690.00000	2670.00000	92.30000	43.60000	.19990	.21480	.21380	.20340	.21180	.21440
.699	6.240	3690.00000	2668.00000	92.20000	43.40000	.20583	.21460	.21440	.21090	.21380	.20870
.699	8.340	3691.00000	2668.00000	92.40000	43.50000	.18990	.20430	.20330	.19070	.19030	.19070
	GRADIENT	.11382	.79648	-.19685	-.13993	.00166	-.00020	.00058	-.00142	.00150	.00059

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E176) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.020	RDA =	.048
RDBF =	-10.548	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 176/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-2.410	2291.00000	1796.00000	81.80000	45.40000	.17350	.18570	.19660	.19000	.18530	.18720
.600	-.380	2291.00000	1796.00000	81.70000	45.40000	.17740	.18640	.19460	.18290	.18410	.19350
.600	1.610	2291.00000	1797.00000	81.70000	45.40000	.19240	.18340	.19090	.19090	.18500	.18770
.600	3.580	2291.00000	1798.00000	81.80000	45.60000	.18200	.18440	.18830	.18200	.18510	.18400
.600	5.560	2291.00000	1797.00000	81.80000	45.50000	.18200	.18160	.18790	.18670	.18510	.18240
.600	7.570	2291.00000	1798.00000	81.90000	45.70000	.18040	.18510	.18790	.18860	.18940	.19060
.600	9.590	2291.00000	1796.00000	81.90000	45.50000	.20470	.19880	.19330	.19840	.19570	.20080
.600	10.610	2291.00000	1797.00000	82.10000	45.80000	.19730	.20120	.19180	.19730	.19810	.20080
.600	11.600	2291.00000	1799.00000	82.00000	45.90000	.19980	.19590	.19280	.20140	.19900	.20260
.600	12.630	2291.00000	1798.00000	81.90000	45.70000	.20230	.20270	.19760	.20040	.19800	.20120
.600	13.650	2292.00000	1796.00000	81.80000	45.40000	.19630	.19710	.20140	.19950	.19520	.20060
.600	14.630	2292.00000	1797.00000	82.30000	46.00000	.19370	.19840	.19800	.19250	.19450	.20040
.600	15.640	2292.00000	1797.00000	82.10000	45.70000	.19400	.19560	.19990	.19870	.19720	.19520
.600	19.600	2292.00000	1797.00000	82.30000	45.80000	.18340	.18620	.19560	.17480	.18310	.18110
	GRADIENT	.00001	.34988	-.00015	.02992	.00204	-.00035	-.00143	-.00080	.00001	-.00076

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E177) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.021
RDBF =	-10.555	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 177/ 0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-2.400	2289.00000	1797.00000	80.10000	44.00000	.15990	.18230	.19420	.17680	.16580	.17960
.599	-.410	2289.00000	1798.00000	80.00000	44.00000	.17690	.18630	.19260	.18440	.18160	.18790
.599	1.580	2290.00000	1797.00000	80.10000	44.00000	.17570	.18190	.18740	.18190	.18270	.18230
.599	3.600	2290.00000	1798.00000	79.90000	43.90000	.18000	.18040	.18630	.18080	.18040	.17840
.599	5.640	2290.00000	1795.00000	79.80000	43.50000	.17710	.18260	.19050	.18850	.19050	.18890
.599	7.710	2290.00000	1798.00000	80.10000	44.00000	.18100	.18210	.18410	.17270	.17430	.17550
.599	9.710	2290.00000	1798.00000	80.00000	44.00000	.18600	.20720	.18920	.19900	.20130	.19270
.599	10.730	2290.00000	1795.00000	80.20000	43.90000	.19640	.20190	.19720	.19960	.20660	.21250
.599	11.730	2290.00000	1797.00000	79.80000	43.70000	.19070	.20950	.19500	.19930	.20360	.21780
.599	12.720	2290.00000	1798.00000	80.20000	44.10000	.19410	.20550	.19880	.21570	.21410	.21760
.599	13.750	2290.00000	1797.00000	80.10000	44.00000	.19580	.20560	.20050	.20520	.20600	.20520
.599	14.710	2290.00000	1798.00000	80.10000	44.00000	.19190	.19780	.19700	.20060	.20290	.20100
.599	15.710	2290.00000	1795.00000	80.10000	43.90000	.19370	.19530	.19980	.19410	.19450	.20230
.599	19.630	2290.00000	1797.00000	80.60000	44.40000	.17540	.17610	.18870	.17540	.17930	.17650
	GRADIENT	.19994	.10035	-.02509	-.01505	.00295	-.00051	-.00144	.00047	.00224	-.00046

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E178) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.002	RDA =	.001
RDBF =	-10.553	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 178/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.395	-5.970	3155.00000	2833.00000	78.40000	62.10000	.17530	.19930	.16500	.19530	.18500	.19700
.395	-3.950	3155.00000	2832.00000	78.30000	62.00000	.17270	.20460	.17500	.20630	.18520	.20110
.395	-2.950	3155.00000	2832.00000	78.30000	62.00000	.17880	.20950	.17940	.20440	.18730	.20100
.395	-1.940	3155.00000	2833.00000	78.50000	62.10000	.18240	.20750	.18240	.19950	.18920	.20350
.395	-.940	3155.00000	2834.00000	78.20000	61.90000	.18350	.20060	.17950	.19260	.18460	.20060
.395	.060	3155.00000	2832.00000	78.30000	61.90000	.19610	.19950	.18820	.19900	.19610	.20470
.395	1.070	3155.00000	2834.00000	77.90000	61.70000	.19110	.20260	.18710	.19510	.19680	.20880
.395	2.080	3155.00000	2833.00000	77.90000	61.60000	.19560	.20590	.18990	.19790	.20190	.21330
.395	3.080	3155.00000	2834.00000	78.00000	61.80000	.18560	.20220	.18790	.20390	.20560	.20220
.395	4.110	3155.00000	2833.00000	77.20000	61.00000	.18790	.20560	.19020	.20840	.21300	.20610
.395	6.140	3155.00000	2833.00000	77.00000	60.80000	.18880	.19510	.18080	.19220	.19510	.19220
.395	8.180	3155.00000	2833.00000	77.10000	60.80000	.15690	.17620	.17560	.16600	.17220	.16990
	GRADIENT	-.00000	.16540	-.11280	-.09623	.00190	-.00031	.00180	.00011	.00338	.00085

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E179) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.018	RDA =	.055
RDBF =	-10.566	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 179/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-2.390	1512.00000	1184.00000	77.80000	41.50000	.16270	.17210	.16560	.17570	.17510	.17510
.601	-.410	1512.00000	1186.00000	77.90000	41.90000	.16630	.17930	.16920	.17630	.17220	.17460
.601	1.580	1512.00000	1186.00000	78.00000	41.90000	.16560	.17220	.17100	.16270	.17390	.18220
.601	3.570	1512.00000	1185.00000	78.20000	42.00000	.16470	.17240	.17480	.16710	.17070	.17540
.601	5.590	1512.00000	1186.00000	77.80000	41.70000	.16850	.17260	.17800	.17440	.17440	.17740
.601	7.590	1512.00000	1186.00000	78.20000	42.10000	.16800	.17800	.17920	.17150	.17450	.18040
.601	9.580	1512.00000	1186.00000	78.40000	42.30000	.18710	.18770	.18650	.19010	.18710	.19300
.601	10.590	1512.00000	1186.00000	77.90000	41.80000	.16830	.18540	.19130	.19490	.18770	.19010
.601	11.590	1512.00000	1186.00000	78.50000	42.40000	.18550	.18910	.19150	.19030	.19090	.19150
.601	12.610	1512.00000	1187.00000	78.30000	42.40000	.18990	.18870	.19170	.18810	.18760	.18640
.601	13.590	1512.00000	1186.00000	76.90000	40.90000	.18870	.19050	.19410	.18750	.18810	.18990
.601	14.610	1512.00000	1187.00000	78.40000	42.50000	.18450	.18390	.18870	.18810	.18510	.18450
.601	15.630	1512.00000	1186.00000	78.50000	42.40000	.18360	.18590	.19130	.18480	.18710	.18590
.601	19.580	1513.00000	1185.00000	78.70000	42.40000	.17910	.17910	.19150	.17620	.17790	.18150
	GRADIENT	.00000	.15059	.06544	.07544	.00027	-.00031	.00148	-.00198	-.00058	.00043

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E180) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.050
RDBF =	-10.564	BETA =	2.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 180/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-2.390	1513.00000	1186.00000	78.30000	42.10000	.15370	.16790	.19030	.17080	.15900	.16910
.601	-.430	1513.00000	1185.00000	78.20000	41.90000	.16730	.17800	.18800	.17620	.18090	.18270
.601	1.560	1513.00000	1186.00000	78.30000	42.20000	.16940	.17000	.18060	.16700	.16880	.17120
.601	3.590	1513.00000	1186.00000	78.30000	42.10000	.16920	.16620	.17980	.16980	.17100	.17220
.601	5.670	1513.00000	1187.00000	78.30000	42.20000	.16600	.17190	.17720	.17010	.17010	.17370
.601	7.720	1513.00000	1187.00000	78.60000	42.60000	.16030	.16570	.17160	.16570	.16390	.17160
.601	9.720	1513.00000	1187.00000	78.70000	42.60000	.17700	.19120	.17700	.18950	.19660	.19780
.601	10.720	1513.00000	1186.00000	78.30000	42.20000	.16750	.19460	.18280	.20000	.20000	.20000
.601	11.730	1513.00000	1187.00000	78.30000	42.20000	.18600	.19790	.18600	.19900	.20020	.20260
.601	12.720	1513.00000	1186.00000	77.50000	41.40000	.18620	.19570	.19040	.19810	.20050	.20160
.601	13.730	1513.00000	1187.00000	78.40000	42.30000	.18270	.18860	.19040	.18390	.19040	.18980
.601	14.710	1513.00000	1186.00000	77.90000	41.70000	.18130	.18420	.19020	.18130	.17950	.18840
.601	15.720	1513.00000	1187.00000	79.00000	42.90000	.17480	.17420	.18190	.17120	.17780	.17240
.601	19.610	1513.00000	1188.00000	78.80000	42.90000	.16550	.17080	.17680	.15780	.16490	.16370
	GRADIENT	-.00000	.05098	.00510	.01512	.00243	-.00067	-.00195	-.00061	.00118	-.00012

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E181) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.008	RDA =	.058
RDBF =	-10.656	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	2.500
GRIT =	1.000		

RUN NO. 181/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.401	-5.920	2067.00000	1851.00000	70.10000	53.60000	.16900	.16820	.15030	.16650	.16900	.16050
.401	-3.920	2067.00000	1850.00000	70.00000	53.60000	.17790	.17960	.15830	.17030	.17450	.17960
.401	-2.920	2055.00000	1843.00000	70.60000	54.30000	.18100	.17580	.19490	.18010	.18100	.18270
.401	-1.900	2055.00000	1842.00000	70.60000	54.20000	.16390	.16650	.19250	.16130	.16650	.16310
.401	-.890	2055.00000	1843.00000	70.80000	54.50000	.18600	.17820	.18690	.18520	.18430	.18520
.401	.070	2055.00000	1844.00000	70.80000	54.50000	.17530	.18140	.18490	.17970	.18230	.18310
.401	1.080	2055.00000	1843.00000	70.70000	54.40000	.18230	.18490	.18830	.17970	.18660	.18490
.401	2.050	2055.00000	1843.00000	70.80000	54.50000	.17640	.17720	.18500	.17900	.17380	.17900
.401	3.040	2055.00000	1843.00000	70.90000	54.60000	.17440	.17700	.18050	.17440	.17700	.18130
.401	4.050	2055.00000	1843.00000	71.00000	54.70000	.17120	.18590	.18330	.17290	.17810	.18240
.401	6.080	2055.00000	1843.00000	70.90000	54.70000	.16620	.16710	.17660	.16540	.16880	.16970
.401	8.090	2055.00000	1843.00000	71.10000	54.80000	.14890	.14980	.16800	.15670	.15850	.15670
	GRADIENT	-.80858	-.43843	.08739	.09746	-.00042	.00095	.00074	.00039	.00033	.00064

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E182) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.041	RDA =	.027
RDBF =	-10.482	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 182/ 0 RN/L = 3.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.396	-5.960	3126.00000	2806.00000	72.80000	56.60000	.17560	.17610	.19110	.17560	.17380	.17210
.396	-3.930	3126.00000	2806.00000	73.20000	57.00000	.17640	.18730	.18960	.18790	.18100	.18680
.396	-2.930	3126.00000	2806.00000	73.00000	56.80000	.18030	.18430	.18250	.18600	.18310	.19120
.396	-1.910	3126.00000	2807.00000	73.10000	57.00000	.16850	.17360	.17770	.17020	.17190	.17590
.396	-.900	3126.00000	2806.00000	72.90000	56.70000	.18770	.18200	.17970	.18720	.18630	.18140
.396	.040	3127.00000	2805.00000	73.40000	57.20000	.18390	.18450	.17820	.18340	.18510	.18390
.396	1.170	3126.00000	2805.00000	73.50000	57.20000	.18240	.18360	.17790	.18530	.18530	.18650
.396	2.150	3126.00000	2805.00000	73.90000	57.60000	.17300	.18440	.18040	.18500	.17980	.18320
.396	3.150	3126.00000	2806.00000	73.60000	57.40000	.17360	.18220	.17930	.17760	.18160	.18450
.396	4.170	3126.00000	2805.00000	73.60000	57.30000	.17670	.18410	.18130	.18470	.18070	.19100
.396	6.190	3126.00000	2806.00000	73.20000	57.00000	.17020	.17420	.17250	.16850	.17020	.16960
.396	8.210	3126.00000	2805.00000	73.00000	56.80000	.15040	.15210	.16930	.15440	.15380	.15100
	GRADIENT	-.00117	-.14759	.09212	.07724	-.00026	.00007	-.00064	-.00017	.00011	.00027

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E183) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.5800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.062	RDA =	.003
RDBF =	-10.487	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 183/ 0 RN/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-5.980	2302.00000	1807.00000	80.60000	44.40000	.17040	.16220	.18170	.16690	.16490	.16300
.599	-3.950	2302.00000	1805.00000	80.90000	44.60000	.16800	.17190	.18250	.16490	.16770	.16920
.599	-2.940	2301.00000	1805.00000	81.10000	44.90000	.17730	.17890	.18390	.18200	.18040	.18550
.599	-1.910	2300.00000	1805.00000	80.30000	44.20000	.16960	.16060	.17780	.17120	.17510	.17580
.599	-.890	2301.00000	1806.00000	80.40000	44.30000	.18160	.17880	.17570	.17260	.17450	.17450
.599	.070	2301.00000	1805.00000	80.90000	44.70000	.18360	.17970	.18200	.18240	.18240	.18320
.599	1.050	2301.00000	1805.00000	81.00000	44.80000	.18240	.18280	.18240	.18630	.18750	.18480
.599	2.070	2301.00000	1806.00000	80.90000	44.80000	.17060	.17690	.18820	.17880	.18000	.17920
.599	3.070	2301.00000	1807.00000	81.40000	45.30000	.17520	.18270	.18780	.17440	.18310	.19210
.599	4.080	2301.00000	1807.00000	81.50000	45.40000	.17320	.17990	.18500	.18340	.17520	.19080
.599	6.130	2301.00000	1807.00000	81.30000	45.20000	.16060	.16570	.17940	.16890	.16450	.16650
.599	8.150	2301.00000	1807.00000	81.30000	45.20000	.15170	.15330	.17130	.15560	.15330	.15480
	GRADIENT	-.03394	.25035	.08434	.10112	.00029	.00133	.00081	.00133	.00101	.00205

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E184) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.068	RDA =	.038
RDBF =	-10.487	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	3.750
GRIT =	1.000		

RUN NO. 184/ 0 RN/L = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.699	-5.950	2091.00000	1509.00000	80.50000	32.40000	.16130	.16340	.15790	.16440	.16130	.16230
.699	-3.960	2091.00000	1508.00000	80.40000	32.20000	.16450	.16520	.16140	.16960	.16490	.16790
.699	-2.940	2090.00000	1509.00000	80.80000	32.80000	.17300	.17470	.16410	.17100	.17030	.17030
.699	-1.920	2091.00000	1509.00000	80.70000	32.60000	.16580	.16310	.16280	.16040	.16650	.16280
.699	-.890	2091.00000	1508.00000	80.90000	32.70000	.16030	.16990	.16650	.17060	.17160	.17260
.699	.070	2091.00000	1509.00000	81.10000	32.90000	.17210	.17210	.17010	.17180	.17800	.17730
.699	1.060	2091.00000	1509.00000	81.00000	32.80000	.16270	.17710	.17230	.17680	.16790	.17510
.699	2.070	2091.00000	1507.00000	81.20000	32.90000	.16620	.16900	.17580	.17340	.17070	.17750
.699	3.080	2091.00000	1509.00000	81.30000	33.10000	.17270	.17710	.17650	.17920	.17990	.18190
.699	4.090	2091.00000	1509.00000	81.60000	33.50000	.15910	.15910	.17280	.16010	.16280	.15910
.699	6.140	2091.00000	1507.00000	81.30000	33.10000	.15320	.15490	.17070	.15080	.15420	.15250
.699	8.170	2091.00000	1507.00000	81.40000	33.10000	.14050	.14010	.16340	.14050	.14560	.14320
	GRADIENT	.04990	.01662	.12301	.11308	-.00032	.00003	.00193	.00031	.00042	.00052

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E185) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.103	RDA =	.009
RDBF =	-10.472	BETA =	-6.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 185/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.697	5.150	2799.00000	2023.00000	86.20000	37.80000	.16410	.17330	.16330	.17310	.16900	.16900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E186) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.085	RDA =	.046
RDBF =	-10.475	BETA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 186/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-2.010	2811.00000	2031.00000	88.10000	39.50000	.17790	.18120	.17990	.18680	.18680	.18730
.698	.000	2812.00000	2029.00000	88.20000	39.40000	.16820	.18840	.18430	.18640	.17950	.18940
.698	1.980	2811.00000	2033.00000	88.10000	39.60000	.17480	.18840	.18220	.17710	.18450	.19040
.698	3.990	2812.00000	2029.00000	88.20000	39.40000	.17540	.18460	.18460	.18410	.18100	.19000
.698	5.980	2812.00000	2031.00000	88.10000	39.50000	.17800	.18520	.18260	.18140	.17780	.18960
.698	8.040	2812.00000	2032.00000	88.20000	39.60000	.17660	.19040	.18560	.18150	.18530	.19270
.698	10.040	2811.00000	2031.00000	88.30000	39.70000	.19940	.20120	.19120	.19760	.20040	.19990
.698	11.040	2812.00000	2028.00000	88.50000	39.70000	.20650	.20370	.19940	.20960	.20960	.21500
.698	12.050	2811.00000	2028.00000	88.40000	39.60000	.20800	.20590	.19780	.21030	.21030	.21030
.698	13.070	2811.00000	2031.00000	88.50000	39.90000	.19970	.19990	.19710	.20890	.20910	.20960
.698	14.050	2812.00000	2030.00000	88.70000	39.90000	.20700	.20190	.20040	.20550	.20320	.20340
.698	15.040	2812.00000	2030.00000	88.80000	40.00000	.19540	.20180	.20110	.19980	.20110	.20440
.698	16.040	2811.00000	2030.00000	88.80000	40.10000	.19540	.19640	.19970	.19540	.19440	.20180
.698	20.000	2812.00000	2026.00000	89.20000	40.10000	.18620	.19000	.19990	.18770	.18800	.19200
	GRADIENT	.10071	-.10220	.01007	-.00511	-.00005	.00051	.00060	-.00087	-.00062	.00046

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E187) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.028
RDBF =	-10.479	ALPHA =	-2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 187/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	2.060	2811.00000	2031.00000	89.00000	40.30000	.15950	.18150	.17510	.17740	.16870	.17760
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E188) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.052	RDA =	.068
RDBF =	-10.480	ALPHA =	0.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 188/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.697	-6.080	2810.00000	2031.00000	88.70000	40.10000	.16020	.16730	.16140	.16580	.16960	.16580
.697	-4.040	2811.00000	2029.00000	88.60000	39.90000	.15860	.17140	.16730	.17630	.17700	.17550
.697	-3.020	2812.00000	2032.00000	88.90000	40.30000	.16370	.18510	.16880	.18130	.18130	.17850
.697	-1.990	2812.00000	2029.00000	88.70000	39.90000	.16150	.18730	.17430	.17330	.17560	.18810
.697	-.950	2811.00000	2030.00000	88.80000	40.00000	.16590	.18480	.17720	.17790	.17360	.18710
.697	.060	2812.00000	2031.00000	89.00000	40.30000	.16890	.18830	.17660	.18910	.18190	.19650
.697	1.100	2812.00000	2028.00000	89.10000	40.10000	.17030	.18560	.18310	.17770	.17410	.18360
.697	2.140	2812.00000	2030.00000	89.20000	40.30000	.17010	.18110	.18240	.18090	.17730	.18060
.697	3.160	2811.00000	2030.00000	89.30000	40.50000	.16100	.17990	.18320	.18040	.16680	.17760
.697	4.180	2811.00000	2032.00000	89.30000	40.60000	.15830	.17880	.18240	.17850	.17060	.17880
.697	6.210	2812.00000	2029.00000	89.40000	40.50000	.16390	.17740	.18530	.17410	.16900	.17530
.697	8.240	2812.00000	2032.00000	89.30000	40.60000	.17290	.18690	.18080	.17360	.18460	.18360
	GRADIENT	-.03252	.09666	.08585	.06959	.00020	.00004	.00204	.00034	-.00106	-.00013

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E189) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.042
RDBF =	-10.474	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 189/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-6.020	2811.00000	2030.00000	89.70000	40.90000	.17500	.19450	.17430	.19340	.18580	.19570
.698	-4.000	2811.00000	2032.00000	89.90000	41.20000	.17170	.20550	.18220	.20090	.18650	.19830
.698	-3.000	2811.00000	2032.00000	89.90000	41.20000	.18500	.21290	.18990	.20470	.19220	.20600
.698	-1.980	2812.00000	2031.00000	89.90000	41.10000	.18740	.21070	.19760	.20730	.18610	.20580
.698	-.980	2811.00000	2029.00000	88.30000	39.60000	.19350	.21110	.20070	.20730	.20070	.21220
.698	.020	2811.00000	2031.00000	88.10000	39.50000	.20020	.20840	.19990	.19970	.19990	.20480
.698	1.030	2811.00000	2031.00000	88.00000	39.40000	.19550	.20390	.20190	.19880	.20470	.20880
.698	2.050	2812.00000	2029.00000	88.00000	39.30000	.19790	.20460	.20710	.20330	.21680	.21860
.698	3.080	2812.00000	2030.00000	88.00000	39.30000	.19030	.20950	.20590	.19030	.20740	.20460
.698	4.120	2812.00000	2031.00000	88.20000	39.50000	.18320	.20030	.20210	.19820	.20180	.19930
.698	6.180	2812.00000	2032.00000	88.40000	39.80000	.16890	.18860	.19400	.18070	.18500	.19320
.698	8.230	2812.00000	2032.00000	88.40000	39.80000	.17110	.18140	.19030	.18220	.18550	.18370
	GRADIENT	.11557	-.19656	-.27224	-.26738	.00138	-.00083	.00243	-.00116	.00282	.00035

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E190) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.027	RDA =	.024
RDBF =	-10.473	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 190/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.698	-6.050	2811.00000	2030.00000	88.40000	39.70000	.18900	.20560	.20020	.20200	.19330	.20230
.698	-4.030	2811.00000	2033.00000	88.40000	39.90000	.18240	.21110	.19910	.20830	.19340	.20830
.698	-3.010	2811.00000	2031.00000	88.40000	39.80000	.18170	.21700	.20730	.21370	.19650	.20930
.698	-1.990	2811.00000	2032.00000	88.50000	40.00000	.18230	.21130	.20570	.20490	.19390	.21160
.698	-.970	2811.00000	2032.00000	88.60000	40.00000	.19180	.20820	.20430	.20380	.20100	.20560
.698	.040	2811.00000	2029.00000	88.60000	39.80000	.20580	.20400	.20790	.20810	.21190	.21240
.698	1.050	2811.00000	2028.00000	88.60000	39.80000	.20390	.20640	.20970	.21640	.21540	.21790
.698	2.080	2811.00000	2032.00000	88.60000	40.00000	.19540	.21280	.20690	.21690	.21540	.21740
.698	3.100	2812.00000	2032.00000	88.70000	40.10000	.19260	.21100	.20930	.20570	.21590	.21590
.698	4.130	2811.00000	2033.00000	88.90000	40.30000	.19290	.20400	.20680	.19600	.20120	.20090
.698	6.200	2811.00000	2031.00000	88.80000	40.20000	.18780	.19900	.20600	.20080	.19850	.19830
.698	8.260	2811.00000	2033.00000	89.10000	40.60000	.15650	.17530	.19690	.17630	.17450	.17960
	GRADIENT	.04906	-.01515	.05074	.03772	.00184	-.00074	.00073	-.00060	.00240	.00023

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E191) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.036	RDA =	-.024
RDBF =	-10.494	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 191/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-2.000	3109.00000	2441.00000	86.90000	50.40000	.17920	.19620	.19710	.18730	.19050	.19680
.598	-.010	3109.00000	2441.00000	86.80000	50.30000	.19880	.18900	.19500	.19560	.19650	.19740
.598	1.990	3109.00000	2443.00000	87.00000	50.60000	.20110	.19210	.18980	.18370	.19700	.19290
.598	3.990	3110.00000	2442.00000	86.80000	50.40000	.19360	.19300	.18750	.19590	.19270	.19210
.598	5.980	3109.00000	2440.00000	86.90000	50.30000	.19260	.18760	.19080	.19400	.19780	.19690
.598	8.000	3109.00000	2444.00000	85.80000	49.50000	.19920	.19570	.18820	.20120	.19950	.19890
.598	10.050	3110.00000	2442.00000	85.20000	48.90000	.20340	.20910	.19670	.20800	.20970	.20890
.598	11.030	3109.00000	2439.00000	84.90000	48.40000	.21050	.21140	.20330	.21140	.20990	.21190
.598	12.060	3109.00000	2442.00000	85.00000	48.70000	.20610	.21130	.20090	.20900	.20520	.21420
.598	13.050	3109.00000	2442.00000	85.00000	48.70000	.20450	.20680	.20160	.20330	.20480	.20940
.598	14.050	3109.00000	2444.00000	85.00000	48.70000	.20330	.20800	.20040	.20560	.20250	.20450
.598	15.060	3109.00000	2440.00000	85.00000	48.60000	.20250	.20390	.20330	.20620	.20530	.20820
.598	16.050	3109.00000	2443.00000	85.50000	49.10000	.20320	.20750	.20320	.20290	.20230	.20580
.598	19.970	3111.00000	2443.00000	85.60000	49.20000	.18160	.18570	.19840	.18450	.18510	.18770
	GRADIENT	.15033	.25038	-.00500	.01503	.00227	-.00032	-.00170	.00070	.00035	-.00093

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E192) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.003	RDA =	.049
RDBF =	-10.494	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 192/ 0 RN/L = 5.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.597	-2.020	3108.00000	2442.00000	85.30000	49.00000	.16870	.18930	.19420	.18990	.17280	.18960
.597	-.040	3108.00000	2442.00000	85.30000	49.00000	.18380	.19220	.19280	.19050	.19080	.19340
.597	1.970	3109.00000	2443.00000	85.40000	49.10000	.18370	.18840	.18690	.18780	.19070	.19160
.597	4.000	3110.00000	2442.00000	85.40000	49.00000	.18420	.18650	.18880	.18880	.18710	.19060
.597	6.070	3110.00000	2442.00000	85.50000	49.10000	.17910	.18250	.18570	.18830	.18570	.18430
.597	8.120	3111.00000	2443.00000	85.60000	49.20000	.18710	.20040	.18680	.18970	.19720	.19780
.597	10.160	3111.00000	2442.00000	85.70000	49.30000	.19760	.20510	.19470	.20250	.20790	.21260
.597	11.140	3111.00000	2442.00000	85.80000	49.40000	.20280	.21340	.19730	.20650	.21200	.22440
.597	12.160	3111.00000	2440.00000	85.70000	49.20000	.19890	.21250	.20380	.21100	.21220	.22740
.597	13.150	3110.00000	2442.00000	86.00000	49.60000	.19530	.21550	.20460	.21380	.21670	.21580
.597	14.140	3110.00000	2441.00000	85.90000	49.40000	.20173	.20920	.20660	.20750	.20780	.21390
.597	15.120	3111.00000	2441.00000	86.10000	49.60000	.20290	.20720	.20490	.20430	.20920	.21010
.597	16.120	3110.00000	2441.00000	86.30000	49.80000	.19900	.20540	.20480	.19560	.20070	.20420
.597	20.010	3111.00000	2442.00000	86.70000	50.20000	.17530	.18190	.19340	.17610	.17870	.17930
	GRADIENT	.34942	.04928	.01993	.00493	.00230	-.00061	-.00110	-.00030	.00212	.00006

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E193) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.024	RDA =	.053
RDBF =	-10.493	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 193/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.070	3110.00000	2441.00000	86.50000	50.00000	.16590	.17780	.17600	.17660	.17840	.17690
.598	-4.030	3110.00000	2442.00000	86.40000	49.90000	.17080	.18260	.17630	.17170	.17310	.18180
.598	-3.010	3109.00000	2441.00000	86.30000	49.80000	.17370	.18410	.17550	.17890	.18180	.19310
.598	-1.980	3109.00000	2442.00000	86.20000	49.80000	.18240	.18730	.17630	.18730	.18530	.18790
.598	-.950	3110.00000	2441.00000	86.40000	49.90000	.18150	.18410	.18060	.18030	.18780	.19130
.598	.070	3110.00000	2442.00000	86.30000	49.80000	.19250	.19170	.18360	.19400	.19540	.19830
.598	1.100	3110.00000	2441.00000	86.30000	49.80000	.19210	.18540	.18370	.18970	.19260	.19210
.598	2.130	3110.00000	2442.00000	86.40000	49.90000	.18760	.18760	.18320	.18870	.18870	.18870
.598	3.150	3109.00000	2441.00000	86.50000	50.00000	.18230	.18900	.18720	.19220	.18320	.19220
.598	4.170	3109.00000	2443.00000	86.40000	50.00000	.16930	.18640	.18410	.18470	.17480	.18440
.598	6.200	3110.00000	2443.00000	86.50000	50.10000	.16380	.18350	.18380	.18180	.17420	.18490
.598	8.220	3110.00000	2441.00000	86.40000	49.90000	.18010	.18350	.19050	.18700	.19160	.20200
	GRADIENT	-.03233	.06488	.01463	.01787	.00066	.00052	.00135	.00169	.00037	.00016

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E194) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.017	RDA =	-.013
RDBF =	-10.490	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 194/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.598	-6.000	3110.00000	2442.00000	86.50000	50.10000	.17280	.17190	.18200	.16930	.16840	.16520
.598	-3.970	3110.00000	2444.00000	86.50000	50.20000	.18130	.18130	.18190	.18010	.18130	.17810
.598	-2.960	3110.00000	2441.00000	86.70000	50.10000	.18870	.19250	.18810	.19220	.19280	.19280
.598	-1.930	3110.00000	2441.00000	86.70000	50.20000	.18490	.18290	.18570	.18370	.18370	.18110
.598	-.890	3111.00000	2441.00000	86.80000	50.20000	.18980	.19010	.18350	.19730	.18520	.18720
.598	.080	3111.00000	2442.00000	86.70000	50.20000	.19280	.19050	.18730	.19450	.19280	.19070
.598	1.070	3111.00000	2441.00000	86.90000	50.40000	.18910	.19110	.18940	.18940	.19400	.19520
.598	2.080	3111.00000	2442.00000	86.90000	50.40000	.17510	.18030	.18670	.18350	.18210	.18700
.598	3.100	3111.00000	2441.00000	86.80000	50.20000	.18580	.19090	.18950	.19070	.19210	.20330
.598	4.110	3111.00000	2444.00000	86.90000	50.50000	.18200	.18290	.18430	.17650	.19130	.19130
.598	6.170	3110.00000	2441.00000	87.00000	50.50000	.16560	.17190	.18690	.17540	.16790	.17420
.598	8.200	3110.00000	2445.00000	87.00000	50.70000	.15320	.16140	.17530	.16140	.15760	.16020
	GRADIENT	.14911	.03227	.03971	.03466	-.00043	-.00004	.00036	-.00044	.00072	.00172

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E195) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.026	RDA =	-.020
RDBF =	-10.488	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 195/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-5.980	3111.00000	2440.00000	87.10000	50.50000	.17550	.18130	.18360	.17960	.17790	.18190
.599	-3.980	3110.00000	2442.00000	87.20000	50.70000	.17700	.20850	.18910	.20180	.18620	.20240
.599	-2.970	3110.00000	2442.00000	87.10000	50.60000	.18160	.21060	.19440	.20510	.18970	.20650
.599	-1.960	3110.00000	2442.00000	87.40000	50.80000	.18920	.21140	.19760	.20970	.19700	.21200
.599	-.950	3110.00000	2442.00000	87.30000	50.80000	.19550	.21260	.20160	.21090	.19750	.21170
.599	.040	3110.00000	2441.00000	87.50000	50.90000	.20470	.21080	.20390	.21250	.21050	.21430
.599	1.040	3110.00000	2442.00000	87.50000	51.00000	.19810	.20450	.20160	.20100	.20710	.20890
.599	2.070	3111.00000	2441.00000	87.30000	50.70000	.19380	.20790	.20250	.20220	.20530	.21550
.599	3.090	3111.00000	2441.00000	87.30000	50.70000	.19060	.20580	.20440	.21710	.21280	.21250
.599	4.120	3111.00000	2444.00000	87.40000	50.90000	.18950	.20290	.20230	.20840	.20810	.20780
.599	6.190	3111.00000	2442.00000	87.40000	50.80000	.17120	.17430	.19260	.16620	.17290	.16940
.599	8.220	3111.00000	2441.00000	87.40000	50.80000	.16920	.18220	.18760	.17270	.18480	.18390
	GRADIENT	.14875	.05053	.02297	.01804	.00146	-.00086	.00152	.00062	.00301	.00072

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E196) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	-.011
RDBF =	-10.484	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 196/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-6.000	3110.00000	2440.00000	87.80000	51.10000	.18460	.19900	.19760	.19850	.19070	.20020
.599	-4.000	3110.00000	2441.00000	87.60000	51.00000	.18730	.21240	.20320	.21440	.20090	.21470
.599	-2.990	3110.00000	2440.00000	87.70000	51.10000	.18730	.22250	.20870	.21670	.19970	.21590
.599	-1.970	3109.00000	2443.00000	87.50000	51.10000	.18830	.21580	.20800	.21430	.19730	.21120
.599	-.960	3109.00000	2443.00000	87.60000	51.20000	.19920	.21450	.20990	.21100	.20090	.21050
.599	.050	3109.00000	2444.00000	87.50000	51.20000	.20960	.21370	.20990	.21020	.20530	.21020
.599	1.070	3109.00000	2442.00000	87.70000	51.20000	.20250	.21520	.21200	.21030	.21400	.21840
.599	2.090	3109.00000	2444.00000	87.80000	51.40000	.20270	.21950	.21280	.20790	.21220	.22470
.599	3.110	3110.00000	2443.00000	87.70000	51.20000	.20260	.21790	.21390	.21820	.22110	.22430
.599	4.140	3110.00000	2446.00000	87.80000	51.50000	.19730	.21360	.20890	.21150	.21330	.21330
.599	6.190	3111.00000	2446.00000	87.50000	51.20000	.16920	.18190	.19670	.17730	.18720	.18690
.599	8.250	3110.00000	2441.00000	87.70000	51.10000	.14740	.16190	.17490	.16190	.16710	.17490
	GRADIENT	.00032	.49197	.02461	.04755	.00193	-.00002	.00082	-.00034	.00257	.00089

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E197) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.011	RDA =	.025
RDBF =	-10.511	BETA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 197/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-2.020	4228.00000	3790.00000	81.90000	65.30000	.19560	.20150	.17910	.19690	.19770	.19600
.398	-.050	4229.00000	3789.00000	81.80000	65.10000	.19790	.19580	.18280	.19880	.19710	.19460
.398	1.990	4228.00000	3790.00000	81.60000	64.90000	.19650	.19650	.17870	.19690	.19770	.19990
.398	4.000	4228.00000	3788.00000	81.50000	64.80000	.19400	.19690	.17760	.19900	.19350	.20150
.398	5.970	4228.00000	3790.00000	81.50000	64.80000	.20050	.19800	.17560	.19330	.19840	.19580
.398	8.040	4229.00000	3788.00000	81.40000	64.60000	.20200	.20280	.18350	.20740	.20490	.21030
.398	10.000	4228.00000	3788.00000	81.50000	64.70000	.20650	.21110	.18890	.21320	.20900	.21360
.398	11.030	4228.00000	3788.00000	81.30000	64.60000	.21070	.21280	.19350	.21190	.20860	.21450
.398	12.030	4228.00000	3788.00000	81.40000	64.70000	.21170	.21290	.19740	.21000	.20460	.20880
.398	13.050	4228.00000	3790.00000	81.40000	64.70000	.20270	.20390	.19550	.20350	.20560	.20810
.398	14.040	4228.00000	3789.00000	81.40000	64.70000	.19970	.20520	.19630	.20430	.20600	.20350
.398	15.050	4228.00000	3790.00000	81.40000	64.80000	.20460	.20800	.19660	.20680	.20510	.20930
.398	16.020	4228.00000	3790.00000	81.30000	64.60000	.20900	.20990	.19850	.20940	.21110	.21110
.398	19.930	4229.00000	3789.00000	81.40000	64.70000	.19630	.20170	.19630	.19420	.20380	.19840
	GRADIENT	-.05098	-.24800	-.06970	-.08455	-.00031	-.00065	-.00043	.00022	-.00060	.00109

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E198) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.014	RDA =	.024
RDBF =	-10.514	BETA =	2.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 198/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-2.050	4227.00000	3790.00000	81.10000	64.50000	.19670	.19500	.19670	.19750	.19620	.20010
.398	-.060	4227.00000	3789.00000	81.10000	64.40000	.20220	.20050	.19800	.20260	.20050	.20390
.399	1.900	4227.00000	3790.00000	80.90000	64.30000	.19220	.19600	.19180	.19730	.19480	.19900
.398	3.910	4227.00000	3790.00000	80.90000	64.30000	.19120	.19710	.19080	.19670	.19580	.19500
.398	6.040	4227.00000	3789.00000	80.90000	64.30000	.18990	.19790	.19200	.19670	.19620	.19830
.398	8.090	4227.00000	3789.00000	80.70000	64.10000	.19550	.20650	.19170	.20480	.20390	.20270
.398	10.080	4227.00000	3789.00000	80.80000	64.10000	.19690	.21120	.19480	.20660	.20790	.21630
.398	11.100	4227.00000	3791.00000	80.90000	64.30000	.19850	.21040	.19470	.20270	.20610	.21160
.398	12.090	4227.00000	3789.00000	80.90000	64.30000	.20350	.21370	.20350	.21030	.20900	.22510
.398	13.070	4227.00000	3790.00000	80.60000	64.00000	.19480	.21420	.20280	.21710	.21380	.21380
.398	14.080	4227.00000	3789.00000	80.80000	64.10000	.20330	.21550	.20500	.21430	.21510	.21930
.398	15.070	4227.00000	3788.00000	80.70000	64.00000	.20830	.20790	.20750	.21000	.21880	.21800
.398	16.050	4227.00000	3789.00000	80.80000	64.10000	.20510	.20470	.20420	.20630	.20510	.20970
.398	19.980	4227.00000	3790.00000	80.90000	64.30000	.18480	.18810	.19910	.17970	.19070	.18770
	GRADIENT	-.00001	.05005	-.04024	-.03524	-.00133	.00009	-.00120	-.00039	-.00035	-.00102

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E199) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.022	RDA =	.013
RDBF =	-10.519	ALPHA =	.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 199/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.090	4227.00000	3787.00000	80.60000	63.90000	.18010	.18770	.19820	.18300	.18560	.18850
.399	-4.080	4227.00000	3789.00000	80.60000	64.00000	.18910	.19330	.19540	.19080	.19160	.19030
.399	-3.080	4227.00000	3788.00000	80.40000	63.80000	.18920	.19590	.19590	.18710	.19460	.19550
.399	-2.050	4227.00000	3787.00000	80.40000	63.70000	.18920	.19590	.19420	.18790	.19300	.19760
.399	-1.030	4227.00000	3790.00000	80.50000	63.90000	.18460	.19140	.19140	.18170	.18800	.19480
.399	-.010	4227.00000	3789.00000	80.40000	63.80000	.19620	.19370	.19240	.19030	.19620	.19880
.399	1.020	4227.00000	3789.00000	80.50000	63.90000	.18740	.19500	.19370	.19920	.19330	.19710
.399	2.050	4227.00000	3789.00000	80.50000	63.90000	.19320	.19610	.19530	.19400	.19740	.20030
.399	3.060	4227.00000	3788.00000	80.40000	63.70000	.19420	.19670	.19630	.20050	.19960	.19960
.399	4.070	4226.00000	3789.00000	80.40000	63.80000	.19240	.19280	.19540	.20000	.19870	.20300
.399	6.090	4227.00000	3790.00000	80.40000	63.90000	.18113	.19120	.19420	.19040	.18490	.18950
.399	8.130	4227.00000	3788.00000	80.40000	63.70000	.18530	.19080	.19790	.18950	.18870	.19080
	GRADIENT	-.06514	.04912	-.00974	-.01137	.00064	.00007	.00009	.00174	.00094	.00115

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E200) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.028
RDBF =	-10.522	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 200/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.020	4227.00000	3788.00000	80.20000	63.50000	.18510	.18810	.19150	.18680	.18730	.18600
.399	-4.030	4226.00000	3788.00000	80.30000	63.70000	.18620	.19630	.19300	.19340	.19250	.19680
.399	-3.010	4226.00000	3788.00000	80.20000	63.60000	.19290	.19720	.19080	.19630	.19720	.19670
.399	-2.010	4226.00000	3790.00000	80.30000	63.70000	.17990	.18790	.18790	.17730	.18410	.19220
.399	-1.010	4227.00000	3788.00000	80.10000	63.50000	.20040	.20040	.19070	.20080	.19700	.20040
.399	.000	4227.00000	3789.00000	80.40000	63.80000	.19320	.19490	.18860	.19410	.19700	.19320
.399	1.110	4227.00000	3788.00000	80.30000	63.60000	.20060	.19850	.19260	.20100	.20190	.20310
.399	2.130	4226.00000	3790.00000	80.20000	63.70000	.18800	.19390	.18970	.19090	.19180	.19730
.399	3.140	4226.00000	3788.00000	80.20000	63.60000	.19160	.19670	.19070	.19290	.19410	.19880
.399	4.170	4227.00000	3789.00000	80.30000	63.60000	.19060	.19440	.19100	.19270	.19140	.19940
.399	6.200	4227.00000	3788.00000	80.30000	63.60000	.18650	.18180	.19240	.18350	.18440	.18940
.399	8.210	4226.00000	3791.00000	80.30000	63.70000	.15840	.16050	.18130	.16220	.16010	.16390
	GRADIENT	.06397	.06446	-.00003	-.00492	.00048	.00002	-.00004	.00023	.00011	.00049

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E201) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	-.001
RDBF =	-10.522	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 201/ 0 RN/L = 5.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.398	-5.940	4226.00000	3788.00000	80.10000	63.50000	.17990	.21280	.19340	.20220	.18750	.19760
.398	-3.950	4226.00000	3789.00000	80.00000	63.40000	.17720	.20640	.19580	.20300	.18650	.20430
.398	-2.950	4226.00000	3789.00000	80.20000	63.60000	.18910	.21320	.20090	.21060	.19330	.21060
.398	-1.940	4226.00000	3788.00000	80.30000	63.70000	.19560	.21540	.20530	.20660	.19520	.21160
.398	-.950	4226.00000	3789.00000	80.40000	63.80000	.20530	.21080	.20440	.20740	.19640	.20740
.398	.040	4226.00000	3788.00000	80.10000	63.50000	.21030	.20950	.20780	.21160	.21200	.21500
.398	1.030	4226.00000	3789.00000	80.20000	63.60000	.20010	.20890	.20720	.20720	.21110	.21270
.398	2.060	4226.00000	3789.00000	80.10000	63.50000	.19770	.21080	.20700	.20490	.20750	.22060
.398	3.070	4226.00000	3789.00000	80.10000	63.50000	.19690	.20960	.20580	.21130	.21210	.21170
.398	4.060	4226.00000	3789.00000	80.20000	63.60000	.19340	.20310	.20820	.20310	.20690	.20990
.398	6.110	4226.00000	3790.00000	80.10000	63.60000	.19830	.20890	.20250	.20760	.20170	.19960
.398	8.140	4226.00000	3788.00000	80.10000	63.50000	.18910	.19500	.20220	.18870	.19500	.19030
	GRADIENT	-.00001	.03331	-.00167	-.00167	.00145	-.00058	.00117	-.00002	.00295	.00081

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E202) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.037	RDA =	.010
RDBF =	-10.525	ALPHA =	12.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 202/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.397	-5.970	4226.00000	3790.00000	80.10000	63.60000	.17660	.21100	.20720	.20970	.19110	.20720
.397	-3.970	4226.00000	3786.00000	80.10000	63.40000	.18790	.21900	.21560	.21520	.19920	.21730
.397	-2.960	4226.00000	3788.00000	80.10000	63.40000	.19440	.21880	.21460	.21840	.19490	.21590
.397	-1.950	4225.00000	3788.00000	80.00000	63.40000	.19830	.21300	.21390	.21010	.19700	.21090
.397	-.940	4225.00000	3789.00000	80.00000	63.40000	.19930	.21160	.20990	.21120	.20400	.21330
.397	.050	4226.00000	3787.00000	80.10000	63.40000	.20860	.21110	.21320	.20780	.20270	.20990
.397	1.060	4226.00000	3790.00000	80.20000	63.70000	.20540	.21600	.21050	.20920	.20920	.22230
.397	2.080	4226.00000	3788.00000	80.10000	63.50000	.20490	.21410	.21330	.20740	.21160	.22050
.397	3.090	4226.00000	3787.00000	80.10000	63.40000	.20150	.21030	.21540	.21290	.21580	.21870
.397	4.090	4225.00000	3789.00000	79.90000	63.30000	.19940	.21210	.20910	.21040	.21080	.21460
.397	6.160	4226.00000	3791.00000	80.10000	63.60000	.19560	.21260	.20660	.20200	.20700	.20490
.397	8.200	4226.00000	3790.00000	79.90000	63.40000	.16700	.18640	.20040	.17000	.18090	.18310
	GRADIENT	-.01669	.16535	-.00664	.00162	.00143	-.00077	-.00040	-.00071	.00237	.00043

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E203) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.009	RDA =	.017
RDBF =	-10.514	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 203/ 0 RN/L = 6.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-6.090	4061.00000	3184.00000	87.20000	50.40000	.17500	.17720	.18850	.17700	.17770	.18060
.600	-4.070	4060.00000	3187.00000	87.30000	50.80000	.19850	.19250	.18740	.18830	.18810	.19140
.600	-3.050	4060.00000	3184.00000	87.40000	50.70000	.19900	.20030	.19280	.20120	.20030	.20070
.600	-2.040	4060.00000	3184.00000	87.40000	50.70000	.18630	.19270	.18570	.18700	.19340	.20050
.600	-1.030	4060.00000	3186.00000	87.50000	50.90000	.19530	.20300	.19000	.20130	.19770	.20060
.600	.000	4060.00000	3186.00000	87.60000	51.00000	.20010	.19880	.19630	.19900	.19920	.20320
.600	1.100	4060.00000	3187.00000	87.70000	51.10000	.19830	.20230	.20120	.19410	.19810	.20460
.600	2.160	4043.00000	3169.00000	88.30000	51.40000	.17900	.19080	.20010	.18920	.18660	.19770
.600	3.160	4043.00000	3169.00000	88.40000	51.50000	.19330	.20290	.20020	.19910	.20040	.20420
.600	4.190	4043.00000	3169.00000	88.50000	51.60000	.19320	.19740	.19850	.19070	.19540	.20230
.600	6.260	4043.00000	3171.00000	88.40000	51.70000	.17100	.18410	.19280	.17900	.17370	.18770
.600	8.290	4044.00000	3172.00000	88.80000	52.00000	.15920	.15990	.16650	.16210	.16120	.16250
	GRADIENT	-2.47008	-2.35683	.15792	.11598	-.00081	.00036	.00172	-.00000	.00025	.00084

ARC 213-1-11 LA89 OV 101 WITH T/C (T2E204) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.017	RDA =	-.012
RDBF =	-10.485	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	7.500
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 204/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.701	-6.110	3691.00000	2657.00000	93.70000	44.10000	.17480	.17420	.17580	.16750	.16810	.17440
.701	-4.100	3691.00000	2655.00000	93.80000	44.00000	.18540	.18210	.18080	.18350	.18790	.18980
.701	-3.060	3691.00000	2658.00000	93.60000	44.10000	.18750	.18520	.17940	.18370	.19060	.19030
.701	-2.040	3691.00000	2654.00000	93.70000	43.90000	.17890	.17620	.17730	.17600	.18310	.18750
.701	-1.030	3691.00000	2654.00000	93.90000	44.10000	.17810	.18370	.18040	.18650	.18900	.18880
.701	.000	3691.00000	2655.00000	94.00000	44.30000	.19660	.19450	.19450	.18660	.18790	.19760
.701	1.080	3691.00000	2656.00000	94.20000	44.40000	.17730	.18950	.19580	.19450	.18470	.19250
.701	2.160	3691.00000	2655.00000	94.30000	44.50000	.17170	.18120	.18390	.17940	.17400	.18210
.701	3.140	3691.00000	2659.00000	94.10000	44.60000	.18700	.18740	.18550	.18950	.18160	.18470
.701	4.210	3691.00000	2658.00000	94.40000	44.80000	.17580	.17990	.18060	.17540	.17580	.17890
.701	6.280	3691.00000	2656.00000	94.40000	44.70000	.16903	.17210	.18560	.17290	.17110	.17630
.701	8.320	3690.00000	2659.00000	94.30000	44.80000	.15580	.16300	.16470	.16280	.16340	.16350
	GRADIENT	-.00001	.30557	.08675	.09956	-.00090	.00021	.00073	-.00001	-.00158	-.00109

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E205) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.004	RDA =	.016
RDBF =	-11.886	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 205/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-1.940	4167.00000	3733.00000	77.40000	60.80000	-.01680	.04510	-.17720	.16520	.06550	-.19380
.399	.080	4166.00000	3733.00000	77.20000	60.60000	-.00490	.05030	-.15870	.16550	.06600	-.19910
.399	2.050	4168.00000	3733.00000	76.80000	60.10000	-.00610	.04380	-.16510	.15800	.05810	-.19470
.399	4.040	4169.00000	3734.00000	76.70000	60.10000	-.02350	.05080	-.20250	.15840	.05290	-.19780
.399	6.010	4168.00000	3735.00000	77.20000	60.60000	-.03630	.04760	-.20150	.15350	.04380	-.19600
.399	8.070	4168.00000	3733.00000	77.10000	60.50000	-.03410	.04110	-.21430	.14930	.02210	-.19320
.399	10.070	4168.00000	3735.00000	77.70000	61.10000	-.04720	.04470	-.21870	.14630	.00700	-.20130
.399	11.090	4168.00000	3733.00000	77.80000	61.10000	-.05780	.02880	-.22420	.13270	.00850	-.19210
.399	12.090	4168.00000	3734.00000	78.20000	61.50000	-.05980	.02050	-.20850	.12780	-.00740	-.19880
.399	13.120	4168.00000	3734.00000	77.30000	60.70000	-.04980	.02670	-.20780	.13620	-.00330	-.19850
.399	14.110	4168.00000	3734.00000	77.60000	61.00000	-.06370	.00780	-.20540	.12790	.00310	-.20420
.399	15.100	4168.00000	3734.00000	77.70000	61.00000	-.02770	.00060	-.22470	.13000	.00320	-.20270
.399	16.110	4168.00000	3734.00000	77.80000	61.10000	-.04500	.00230	-.20620	.12710	.01550	-.19820
.399	20.060	4169.00000	3735.00000	79.00000	62.40000	-.12750	-.03830	-.29170	.13010	-.03320	-.23410
	GRADIENT	.40034	.15047	-.12551	-.13052	-.00106	.00054	-.00411	-.00140	-.00229	-.00039

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E206) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.008	RDA =	-.004
RDBF =	-11.919	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 206/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-6.020	4188.00000	3752.00000	77.80000	61.10000	.05970	.02190	-.19410	.12710	.06940	-.20460
.399	-4.020	4188.00000	3752.00000	77.90000	61.20000	.01980	.03580	-.20950	.14660	.06950	-.19520
.399	-3.010	4188.00000	3754.00000	79.10000	62.50000	-.00130	.04310	-.18220	.15220	.06510	-.20290
.399	-2.010	4188.00000	3753.00000	78.30000	61.80000	-.01230	.04440	-.20460	.15050	.05240	-.20250
.399	-1.010	4188.00000	3754.00000	78.40000	61.80000	-.01990	.04660	-.19890	.15960	.05840	-.19850
.399	-.010	4187.00000	3753.00000	77.40000	60.90000	-.00930	.04750	-.19610	.15330	.05970	-.19310
.399	1.160	4188.00000	3752.00000	77.70000	61.10000	-.02450	.03830	-.21470	.15560	.06320	-.18730
.399	2.150	4188.00000	3754.00000	78.50000	61.90000	-.04350	.03300	-.17170	.14940	.06100	-.19580
.399	3.140	4188.00000	3752.00000	78.70000	62.10000	-.05360	.01640	-.16400	.14200	.04920	-.19270
.399	4.170	4188.00000	3753.00000	78.20000	61.60000	-.05450	.00760	-.14410	.13180	.04180	-.18890
.399	6.190	4188.00000	3753.00000	78.60000	62.00000	-.02240	-.01060	-.08870	.11650	.03590	-.20090
.399	8.220	4188.00000	3755.00000	78.40000	61.90000	.02850	-.00930	-.06100	.11670	.06030	-.20910
	GRADIENT	.00114	-.03387	-.00454	-.00148	-.00844	-.00365	.00592	-.00156	-.00220	.00131

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E207) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.038	RDA =	-.026
RDBF =	-11.921	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	5.000
GRIT =	1.000		

RUN NO. 207/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.399	-5.940	4187.00000	3752.00000	78.00000	61.40000	.04720	.01430	-.23090	.14600	.06030	-.19040
.399	-3.950	4187.00000	3752.00000	77.80000	61.20000	-.00970	.01980	-.21350	.14090	.06030	-.19320
.399	-2.950	4187.00000	3753.00000	78.70000	62.10000	-.01020	.03000	-.22930	.14590	.06220	-.19080
.399	-1.940	4187.00000	3752.00000	78.10000	61.50000	-.04010	.03160	-.19840	.15270	.05900	-.19290
.399	-.940	4187.00000	3753.00000	77.70000	61.10000	-.01780	.03630	-.21810	.14920	.06170	-.19610
.399	.050	4187.00000	3753.00000	78.30000	61.70000	-.02460	.03010	-.21570	.15220	.05130	-.19710
.399	1.040	4187.00000	3752.00000	78.90000	62.30000	-.02700	.03340	-.21000	.15330	.06080	-.19140
.399	2.050	4187.00000	3752.00000	78.60000	62.00000	-.03090	.02830	-.21850	.14330	.05490	-.19320
.399	3.060	4187.00000	3752.00000	78.40000	61.80000	-.04860	.02360	-.20390	.13720	.03840	-.18370
.399	4.100	4187.00000	3754.00000	78.20000	61.70000	-.06860	.00600	-.17880	.12210	.03140	-.20260
.399	6.130	4187.00000	3753.00000	78.60000	62.00000	-.07193	.01010	-.14170	.10870	.02410	-.19370
.399	8.170	4187.00000	3753.00000	78.10000	61.50000	-.00800	-.00890	-.09810	.11200	.04900	-.20040
	GRADIENT	-.00001	.06742	.04773	.05442	-.00569	-.00141	.00306	-.00194	-.00327	-.00021

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E208) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.033	RDA =	.021
RDBF =	-11.994	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 208/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-1.940	4005.00000	3141.00000	83.70000	47.20000	-.04610	.03730	-.21880	.17660	.01950	-.20370
.600	.100	4005.00000	3140.00000	83.80000	47.30000	-.05500	.02930	-.19490	.17970	.01610	-.20310
.600	2.110	4005.00000	3140.00000	84.00000	47.50000	-.04870	.03260	-.20310	.17660	.01410	-.20090
.600	4.100	4005.00000	3142.00000	83.90000	47.50000	-.05280	.03580	-.21270	.17660	.01410	-.20540
.600	6.070	4005.00000	3142.00000	84.10000	47.70000	-.06910	.03180	-.22930	.18000	.00480	-.20140
.600	8.140	4005.00000	3143.00000	84.30000	47.90000	-.07790	.02890	-.23780	.16920	-.01200	-.20430
.600	10.140	4005.00000	3141.00000	84.50000	48.00000	-.07520	.02680	-.23480	.17430	-.02060	-.20130
.600	11.130	4005.00000	3142.00000	84.80000	48.30000	-.06420	.02390	-.22970	.17280	-.02290	-.19780
.600	12.150	4005.00000	3140.00000	84.70000	48.20000	-.08290	.01880	-.22770	.17630	-.01990	-.19660
.600	13.150	4005.00000	3142.00000	84.90000	48.40000	-.07340	.01750	-.24970	.18050	-.04210	-.20110
.600	14.150	4005.00000	3142.00000	85.00000	48.50000	-.10393	.00070	-.23370	.17680	-.06150	-.21610
.600	15.180	4005.00000	3141.00000	85.20000	48.60000	-.10620	-.01440	-.24610	.18210	-.08320	-.20980
.600	16.160	4005.00000	3140.00000	85.20000	48.70000	-.13580	-.02730	-.28490	.18540	-.08720	-.21220
.600	18.170	4005.00000	3136.00000	86.10000	49.20000	-.17780	-.07600	-.35320	.20430	-.14050	-.24010
.600	20.110	4006.00000	3144.00000	85.40000	48.90000	-.19230	-.08570	-.40660	.19590	-.13560	-.23990
	GRADIENT	.00001	.14720	.03985	.05470	-.00069	-.00007	.00052	-.00015	-.00091	-.00014

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E209) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.007	RDA =	.050
RDBF =	-11.811	ALPHA =	5.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 209/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-6.070	4024.00000	3155.00000	86.80000	50.10000	.01990	-.00630	-.21520	.08340	.01320	-.20860
.600	-4.070	4024.00000	3154.00000	87.00000	50.20000	-.02430	.00830	-.21630	.12670	.01870	-.20170
.600	-3.050	4024.00000	3155.00000	87.00000	50.30000	-.02700	.00390	-.22120	.14170	.01860	-.20410
.600	-2.030	4024.00000	3155.00000	87.00000	50.30000	-.05410	.01060	-.23220	.15490	-.00230	-.20600
.600	-1.010	4024.00000	3152.00000	86.90000	50.10000	-.06280	.00480	-.21570	.16090	-.00050	-.20020
.600	-.010	4024.00000	3157.00000	87.10000	50.50000	-.06810	-.00720	-.23000	.16360	-.01900	-.20180
.600	1.150	4024.00000	3155.00000	87.00000	50.30000	-.08240	-.02210	-.22960	.18150	-.01320	-.19840
.600	2.140	4024.00000	3154.00000	87.10000	50.30000	-.06650	-.03400	-.22200	.18940	-.03160	-.20050
.600	3.160	4024.00000	3154.00000	87.20000	50.40000	-.10600	-.04950	-.19200	.18460	-.03420	-.20410
.600	4.200	4024.00000	3155.00000	87.20000	50.40000	-.12370	-.05580	-.16870	.17390	-.03710	-.19910
.600	6.250	4024.00000	3157.00000	87.20000	50.50000	-.07250	-.05740	-.10200	.15260	-.03720	-.20900
.600	8.300	4024.00000	3156.00000	87.20000	50.50000	-.02610	-.04760	-.05810	.13960	-.02380	-.21180
	GRADIENT	.00000	.03091	.02727	.02074	-.01155	-.00858	.00457	.00655	-.00727	.00038

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E210) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.003	RDA =	.035
RDBF =	-11.804	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 210/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-6.010	4043.00000	3168.00000	87.70000	50.80000	-.00220	-.02360	-.23510	.11370	.00240	-.19880
.601	-4.000	4043.00000	3169.00000	87.50000	50.70000	-.06210	-.01930	-.23970	.13840	-.02770	-.19790
.601	-2.990	4043.00000	3172.00000	87.50000	50.90000	-.08380	-.00950	-.23660	.16380	-.03450	-.20470
.601	-1.980	4043.00000	3169.00000	87.60000	50.80000	-.09410	-.01000	-.22570	.17670	-.04010	-.19460
.601	-.970	4043.00000	3169.00000	87.80000	51.00000	-.11320	-.01550	-.22110	.18130	-.04680	-.20010
.601	.030	4043.00000	3171.00000	87.80000	51.10000	-.10430	-.02630	-.24500	.18750	-.04660	-.19480
.601	1.030	4043.00000	3170.00000	87.80000	51.00000	-.10990	-.03380	-.23990	.19450	-.04200	-.19820
.601	2.060	4043.00000	3172.00000	87.80000	51.10000	-.12560	-.03780	-.22280	.19120	-.04530	-.19980
.601	3.090	4043.00000	3171.00000	87.50000	50.80000	-.12930	-.04550	-.21560	.18860	-.04620	-.19270
.601	4.130	4043.00000	3170.00000	87.60000	50.80000	-.12130	-.04810	-.20980	.17050	-.04370	-.19650
.601	6.200	4043.00000	3172.00000	87.80000	51.20000	-.12173	-.06150	-.14220	.16740	-.05580	-.19970
.601	8.240	4045.00000	3172.00000	87.60000	51.10000	-.09350	-.06100	-.11250	.15810	-.03140	-.21800
	GRADIENT	-.00002	.13091	.01293	.01127	-.00711	-.00488	.00280	.00400	-.00172	.00054

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E211) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.013	RDA =	.028
RDBF =	-.011	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500
GRIT =	1.000		

RUN NO. 211/ 0 RN/L = 6.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-1.920	4044.00000	3169.00000	88.00000	51.10000	.01830	.10950	-.05620	.16850	.07550	-.18120
.601	.040	4044.00000	3168.00000	87.90000	51.00000	.01160	.09830	-.05390	.16380	.06820	-.17860
.601	2.080	4044.00000	3171.00000	88.10000	51.30000	.02860	.09480	-.05410	.15390	.05950	-.18580
.601	4.150	4045.00000	3169.00000	88.40000	51.50000	.01010	.07860	-.04920	.13770	.05590	-.18400
.601	6.080	4044.00000	3171.00000	88.40000	51.60000	.00900	.08180	-.04590	.12950	.04120	-.18070
.601	8.100	4044.00000	3171.00000	88.40000	51.60000	.01690	.07470	-.05360	.12700	.03500	-.18230
.601	10.150	4045.00000	3171.00000	88.50000	51.70000	.00810	.07290	-.05630	.12740	.03590	-.18660
.601	11.110	4045.00000	3170.00000	88.70000	51.80000	.01820	.07900	-.05600	.12570	.04160	-.18790
.601	12.170	4045.00000	3169.00000	88.80000	51.80000	.02020	.07750	-.06030	.14810	.05620	-.19040
.601	13.160	4044.00000	3171.00000	88.70000	51.90000	.01410	.07420	-.06830	.14140	.05150	-.19330
.601	14.140	4044.00000	3170.00000	88.70000	51.80000	.00370	.07520	-.07500	.14490	.05470	-.20250
.601	15.130	4044.00000	3171.00000	88.80000	52.00000	.00420	.06330	-.10400	.15940	.05070	-.20840
.601	16.140	4044.00000	3171.00000	88.80000	52.00000	-.00510	.07550	-.12880	.16290	.05210	-.21460
	20.110	4046.00000	3171.00000	89.10000	52.20000	-.05740	.08380	-.28070	.20860	.01870	-.25890
	GRADIENT	.14934	.14788	.06969	.07453	-.00038	-.00475	.00103	-.00507	-.00333	-.00077

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E212) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.054	RDA =	.015
RDBF =	-.020	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	.000	RN/L =	6.500
GRIT =	1.000		

RUN NO. 212/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-6.010	4043.00000	3169.00000	89.10000	52.20000	.03410	.12490	-.06810	.11040	.02990	-.20100
.601	-4.000	4043.00000	3168.00000	89.00000	52.00000	.02680	.09610	-.08180	.10840	.02790	-.19050
.601	-2.990	4043.00000	3170.00000	88.90000	52.00000	.03070	.09670	-.05660	.11460	.03560	-.19240
.601	-1.980	4043.00000	3171.00000	89.10000	52.30000	.02670	.09690	-.06570	.11940	.04220	-.18740
.601	-.970	4043.00000	3169.00000	89.00000	52.10000	.00970	.08740	-.05060	.12560	.03570	-.18650
.601	.030	4044.00000	3169.00000	89.00000	52.00000	.01920	.07060	-.06010	.13000	.04500	-.18530
.601	1.040	4044.00000	3171.00000	89.10000	52.20000	.01990	.06430	-.06230	.13610	.06050	-.18180
.601	2.080	4043.00000	3168.00000	89.00000	52.10000	.02680	.05830	-.04740	.15440	.07460	-.18200
.601	3.090	4043.00000	3171.00000	89.00000	52.20000	.03870	.06550	-.03770	.17090	.09340	-.19820
.601	4.120	4043.00000	3171.00000	88.40000	51.60000	.03490	.05060	-.04620	.17800	.09640	-.19330
.601	6.190	4043.00000	3172.00000	87.70000	51.10000	.04670	.04290	-.03830	.21860	.12630	-.20340
.601	8.250	4044.00000	3175.00000	87.50000	50.90000	.06480	.04510	-.04590	.24510	.14810	-.23320
	GRADIENT	.01582	.18056	-.03636	-.02152	.00111	-.00618	.00368	.00868	.00883	-.00022

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E213) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-.007	RDA =	.019
RDBF =	-11.906	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 213/ 0 RN/L = 6.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.702	-1.920	3689.00000	2654.00000	91.30000	41.80000	-.10980	-.03870	-.25810	.12700	-.02870	-.20800
.702	.130	3689.00000	2658.00000	91.40000	42.10000	-.09910	-.02310	-.25280	.10410	-.03780	-.20700
.702	2.090	3689.00000	2656.00000	91.30000	41.90000	-.11100	-.02500	-.25020	.10560	-.03080	-.20220
.702	4.100	3689.00000	2659.00000	91.60000	42.40000	-.10340	-.03400	-.26220	.09740	-.04060	-.21230
.702	6.110	3690.00000	2656.00000	91.60000	42.20000	-.09880	-.03520	-.27330	.09490	-.04850	-.19720
.702	8.160	3690.00000	2660.00000	91.90000	42.70000	-.12800	-.02760	-.26610	.08940	-.06160	-.20630
.702	10.180	3690.00000	2659.00000	91.90000	42.60000	-.11720	-.02910	-.25940	.10860	-.06850	-.20570
.702	11.140	3691.00000	2656.00000	92.10000	42.60000	-.11630	-.03630	-.27100	.11010	-.09110	-.20380
.702	12.180	3690.00000	2664.00000	92.30000	43.20000	-.13770	-.04730	-.28930	.12330	-.11620	-.21770
.702	13.180	3690.00000	2659.00000	92.40000	43.00000	-.15650	-.06470	-.29910	.15290	-.13230	-.21120
.702	14.170	3690.00000	2657.00000	92.70000	43.30000	-.19020	-.08210	-.33180	.19100	-.16120	-.21810
.702	15.170	3690.00000	2659.00000	92.80000	43.40000	-.22320	-.09740	-.36020	.18560	-.19610	-.22520
.702	16.190	3690.00000	2660.00000	92.90000	43.60000	-.25770	-.11670	-.38760	.18500	-.22760	-.22980
.702	20.160	3690.00000	2656.00000	93.70000	44.10000	-.33500	-.13820	-.46380	.21260	-.28920	-.26250
	GRADIENT	-.00001	.65364	.04007	.08023	.00038	.00063	-.00048	-.00438	-.00144	-.00041

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E214) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.019	RDA =	-.004
RDBF =	-11.748	ALPHA =	10.000
ELEVON =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 214/ 0 RN/L = 6.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.702	-6.020	3706.00000	2667.00000	93.60000	43.90000	-.06620	-.04300	-.28040	.02570	-.13520	-.21020
.702	-4.010	3706.00000	2666.00000	93.70000	44.00000	-.11970	-.03080	-.27880	.07010	-.14640	-.19920
.702	-3.010	3706.00000	2668.00000	93.70000	44.10000	-.13140	-.03660	-.28420	.08640	-.14580	-.20360
.702	-1.990	3706.00000	2667.00000	93.90000	44.20000	-.15260	-.03200	-.27740	.11620	-.13870	-.19570
.702	-.980	3706.00000	2668.00000	93.70000	44.10000	-.13680	-.03610	-.27440	.13590	-.13750	-.20400
.702	.030	3706.00000	2667.00000	93.90000	44.20000	-.15390	-.04620	-.26550	.14200	-.13630	-.19770
.702	1.050	3706.00000	2668.00000	94.00000	44.30000	-.14930	-.06550	-.28550	.14000	-.13720	-.20310
.702	2.080	3706.00000	2670.00000	93.80000	44.30000	-.15960	-.07770	-.28690	.13010	-.13280	-.20510
.702	3.120	3706.00000	2668.00000	94.20000	44.50000	-.16130	-.07740	-.25590	.15160	-.13000	-.19860
.702	4.140	3706.00000	2671.00000	94.20000	44.70000	-.17100	-.07990	-.23960	.14820	-.13540	-.20630
.702	6.220	3707.00000	2672.00000	94.10000	44.60000	-.14953	-.08820	-.16910	.14210	-.14350	-.21270
.702	8.260	3707.00000	2672.00000	94.00000	44.60000	-.11080	-.10520	-.13500	.13200	-.13400	-.22830
	GRADIENT	-.00001	.42525	.05895	.07204	-.00525	-.00719	.00347	.00881	.00169	-.00051

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E215) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN.	XO	
LREF =	474.8100 IN.	YMRP =	.0000 IN.	YO	
BREF =	936.6800 IN.	ZMRP =	375.0000 IN.	ZO	
SCALE =	.0300				

PARAMETRIC DATA

RDE =	.015	RDA =	.000
ALPHA =	10.000	BETA =	.000
ELEVON =	.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 215/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-11.760	4063.00000	3184.00000	90.70000	53.60000	-.16130	-.04880	-.26050	.15580	-.16280	-.19440
.601	-6.100	4063.00000	3184.00000	90.60000	53.60000	-.02420	.05970	-.13180	.04720	-.10270	-.18530
.601	-3.870	4063.00000	3186.00000	90.70000	53.70000	-.01220	.06440	-.09490	.08390	-.08090	-.18030
.601	-1.980	4063.00000	3185.00000	90.50000	53.50000	-.01760	.06120	-.08380	.07650	-.09040	-.18540
.601	.010	4063.00000	3185.00000	90.40000	53.50000	-.00840	.05590	-.07360	.05130	-.08940	-.18090
.601	3.870	4063.00000	3182.00000	90.40000	53.30000	-.01150	.05320	-.04910	.01560	-.10150	-.18190
.601	8.070	4063.00000	3185.00000	90.60000	53.60000	-.00120	.04720	-.04000	.02400	-.10110	-.19840
.601	10.450	4064.00000	3188.00000	90.50000	53.60000	-.00950	.02300	-.06260	-.01650	-.13050	-.24490
	GRADIENT	-.00001	-.50040	-.03532	-.04705	.00039	-.00147	.00590	-.00922	-.00243	.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E216) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	-10.186	RDA =	.289
ALPHA =	10.000	BETA =	.000
ELEVON =	-10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 216/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.601	-11.650	4063.00000	3184.00000	90.60000	53.60000	-.08090	.02640	-.16430	.13210	-.13040	-.16940
.601	-5.950	4063.00000	3185.00000	90.50000	53.50000	.02840	.08490	-.04550	.04500	-.08750	-.16290
.601	-3.740	4063.00000	3188.00000	90.50000	53.70000	.03880	.09320	-.03350	.09010	-.07470	-.17650
.601	-1.820	4063.00000	3185.00000	90.40000	53.40000	.04380	.08790	-.02700	.07760	-.07280	-.17040
.601	-.010	4063.00000	3186.00000	90.30000	53.40000	.04840	.08620	-.01070	.06420	-.07650	-.17360
.601	3.910	4063.00000	3184.00000	90.60000	53.50000	.04260	.07010	-.01460	.02720	-.08310	-.18550
.601	8.060	4063.00000	3186.00000	90.40000	53.50000	.03240	.03590	-.02180	.00450	-.10310	-.19420
.601	16.330	4063.00000	3186.00000	90.50000	53.60000	.07520	.01950	-.03120	-.00380	-.12140	-.24500
.601	21.120	4063.00000	3186.00000	90.50000	53.50000	.07170	-.00320	-.03560	-.01170	-.12980	-.28130
	GRADIENT	.00001	-.43558	.01542	-.01771	.00042	.00299	.00257	-.00831	-.00125	-.00145

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E217) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDE =	10.101	RDA =	-.085
ALPHA =	10.000	BETA =	.000
ELEVON =	10.000	SPDBRK =	.000
RN/L =	6.500	GRIT =	1.000

RUN NO. 217/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BDFLAP	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-11.960	4063.00000	3188.00000	90.60000	53.80000	-.22640	-.06590	-.32690	.14200	-.21170	-.22730
.599	-6.110	4063.00000	3184.00000	90.60000	53.60000	-.10240	.03750	-.18640	.04760	-.16150	-.20310
.599	-4.120	4063.00000	3183.00000	90.60000	53.50000	-.07740	.04440	-.16130	-.00130	-.15810	-.20050
.599	-2.070	4063.00000	3187.00000	90.60000	53.70000	-.08950	.04380	-.13100	-.01260	-.15890	-.20680
.599	.160	4063.00000	3183.00000	90.50000	53.40000	-.07580	.04380	-.12620	.01210	-.13880	-.20030
.599	3.960	4063.00000	3186.00000	90.40000	53.50000	-.05610	.03950	-.12070	.05360	-.13630	-.20280
.599	5.970	4063.00000	3183.00000	90.50000	53.50000	-.06220	.07060	-.10900	.04510	-.13810	-.19800
.599	8.010	4063.00000	3186.00000	90.50000	53.60000	-.04620	.06490	-.10590	.03550	-.13950	-.21530
.599	13.080	4063.00000	3188.00000	90.60000	53.80000	-.04360	.04070	-.08800	.02560	-.13870	-.22150
.599	16.500	4063.00000	3186.00000	90.70000	53.70000	-.02110	.04340	-.08540	.05000	-.13440	-.23810
.599	21.030	4062.00000	3188.00000	90.60000	53.80000	-.03230	.01550	-.08800	-.02790	-.17480	-.25390
	GRADIENT	.00001	.20121	-.02684	-.01054	.00321	-.00060	.00442	.00759	.00312	-.00001

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E218) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 16.337 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = 16.300 RN/L = 6.500
GRIT = 1.000

RUN NO. 218/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-14.850	4063.00000	3184.00000	90.40000	53.40000	.08910	.00610	-.03450	-.00600	-.12060	-.25950
.600	-9.880	4063.00000	3186.00000	90.40000	53.50000	.07150	.01300	-.02400	-.01190	-.13010	-.24730
.600	-5.800	4063.00000	3187.00000	90.40000	53.60000	.04140	-.00950	-.04500	.01010	-.14450	-.23300
.600	-3.950	4063.00000	3184.00000	90.40000	53.40000	.02400	-.01280	-.04710	-.01240	-.13950	-.22250
.600	-1.800	4063.00000	3185.00000	90.50000	53.50000	-.00010	-.00270	-.05760	-.01390	-.14350	-.21710
.600	-.080	4063.00000	3185.00000	90.50000	53.60000	-.01400	.00820	-.05830	-.00520	-.13450	-.23660
.600	2.170	4063.00000	3184.00000	90.50000	53.50000	-.00300	.02090	-.05590	.00910	-.13590	-.23530
.600	4.360	4063.00000	3187.00000	90.50000	53.60000	-.00160	.03880	-.07200	.02780	-.13470	-.24290
.600	7.290	4063.00000	3185.00000	90.50000	53.50000	-.01920	.01700	-.08380	.00270	-.16600	-.23960
.600	10.560	4063.00000	3187.00000	90.80000	53.90000	-.03750	.02560	-.09600	.06390	-.13930	-.23630
.600	15.680	4063.00000	3185.00000	90.50000	53.60000	-.06650	-.00540	-.10600	-.01110	-.16500	-.23460
	GRADIENT	-.00000	.24724	.00963	.01905	-.00254	.00617	-.00236	.00505	.00081	-.00281

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E219) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .175 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500
GRIT = 1.000

RUN NO. 219/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-15.050	4063.00000	3186.00000	90.40000	53.50000	.05980	.08950	.01030	.08200	-.06870	-.18190
.600	-9.940	4063.00000	3185.00000	90.40000	53.40000	.04090	.08840	-.02500	.09120	-.07220	-.17170
.600	-7.110	4062.00000	3186.00000	90.40000	53.50000	.02700	.08970	-.03750	.10160	-.08770	-.18680
.600	-4.030	4063.00000	3187.00000	90.30000	53.40000	.01130	.08140	-.05320	.10580	-.10150	-.18330
.600	-1.840	4063.00000	3189.00000	90.30000	53.50000	.00900	.08260	-.06810	.11720	-.10650	-.18320
.600	.190	4063.00000	3183.00000	90.40000	53.30000	-.01670	.07250	-.07970	.11400	-.11080	-.18430
.600	2.320	4063.00000	3187.00000	90.50000	53.70000	-.01990	.07980	-.08970	.11130	-.11810	-.19540
.600	4.390	4063.00000	3184.00000	90.40000	53.40000	-.01130	.07710	-.09970	.10730	-.12360	-.18870
.600	7.290	4063.00000	3184.00000	90.50000	53.50000	-.04830	.07180	-.11640	.08980	-.13440	-.19250
.600	10.360	4062.00000	3186.00000	90.50000	53.60000	-.05570	.07920	-.13100	.11290	-.13540	-.20290
.600	15.710	4063.00000	3185.00000	90.60000	53.60000	-.06390	.07190	-.15020	.10820	-.14560	-.21100
	GRADIENT	.00000	-.37593	.01904	.00978	-.00352	-.00054	-.00546	-.00013	-.00266	-.00110

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E220) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-11.700	ALPHA =	10.000
BETA =	.000	SPOBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 220/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-14.910	4060.00000	3186.00000	90.50000	53.60000	.00480	.07290	-.11910	.15200	-.08930	-.16520
.599	-10.030	4062.00000	3187.00000	90.30000	53.50000	-.04060	.03230	-.18250	.18430	-.12410	-.17630
.599	-6.960	4063.00000	3185.00000	90.30000	53.30000	-.05940	.00720	-.21960	.20390	-.13210	-.18570
.599	-3.950	4062.00000	3184.00000	90.40000	53.50000	-.08130	.00200	-.22830	.20180	-.14020	-.18610
.599	-1.720	4062.00000	3185.00000	90.50000	53.60000	-.09600	-.00650	-.25500	.21720	-.14430	-.19270
.599	.200	4062.00000	3185.00000	90.40000	53.40000	-.11380	-.01940	-.26600	.22500	-.14610	-.19270
.599	2.240	4063.00000	3185.00000	90.40000	53.50000	-.12900	-.03370	-.29300	.22410	-.15670	-.20640
.599	4.320	4063.00000	3185.00000	90.30000	53.30000	-.13260	-.03970	-.29090	.21790	-.16160	-.20990
.599	7.440	4063.00000	3184.00000	90.50000	53.50000	-.14750	-.03940	-.31780	.22320	-.17060	-.21200
.599	10.640	4063.00000	3184.00000	90.30000	53.40000	-.17560	-.04050	-.34800	.22320	-.17250	-.21860
.599	15.610	4063.00000	3182.00000	90.40000	53.30000	-.18770	-.05270	-.36500	.21850	-.19080	-.23670
	GRADIENT	.14565	.09913	-.01437	-.02408	-.00661	-.00538	-.00797	.00192	-.00269	-.00299

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E218) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = 16.337 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = 16.300 RN/L = 6.500
GRIT = 1.000

RUN NO. 218/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-14.850	4063.00000	3184.00000	90.40000	53.40000	.08910	.00610	-.03450	-.00600	-.12060	-.25950
.600	-9.880	4063.00000	3186.00000	90.40000	53.50000	.07150	.01300	-.02400	-.01190	-.13010	-.24730
.600	-5.800	4063.00000	3187.00000	90.40000	53.60000	.04140	-.00950	-.04500	.01010	-.14450	-.23300
.600	-3.950	4063.00000	3184.00000	90.40000	53.40000	.02400	-.01280	-.04710	-.01240	-.13950	-.22250
.600	-1.800	4063.00000	3185.00000	90.50000	53.50000	-.00010	-.00270	-.05760	-.01390	-.14350	-.21710
.600	-.080	4063.00000	3185.00000	90.50000	53.60000	-.01400	.00820	-.05830	-.00520	-.13450	-.23660
.600	2.170	4063.00000	3184.00000	90.50000	53.50000	-.00300	.02090	-.05590	.00910	-.13590	-.23530
.600	4.360	4063.00000	3187.00000	90.50000	53.60000	-.00160	.03880	-.07200	.02780	-.13470	-.24290
.600	7.290	4063.00000	3185.00000	90.50000	53.50000	-.01920	.01700	-.08380	.00270	-.16600	-.23960
.600	10.560	4063.00000	3187.00000	90.80000	53.90000	-.03750	.02560	-.09600	.06390	-.13930	-.23630
.600	15.680	4063.00000	3185.00000	90.50000	53.60000	-.06650	-.00540	-.10600	-.01110	-.16500	-.23460
	GRADIENT	-.00000	.24724	.00963	.01905	-.00254	.00617	-.00236	.00505	.00081	-.00281

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E219) (19 MAR 77)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1076.6800 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

RDBF = .175 ALPHA = 10.000
BETA = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500
GRIT = 1.000

RUN NO. 219/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.600	-15.050	4063.00000	3186.00000	90.40000	53.50000	.05980	.08950	.01030	.08200	-.06870	-.18190
.600	-9.940	4063.00000	3185.00000	90.40000	53.40000	.04090	.08840	-.02500	.09120	-.07220	-.17170
.600	-7.110	4062.00000	3186.00000	90.40000	53.50000	.02700	.08970	-.03750	.10160	-.08770	-.18680
.600	-4.030	4063.00000	3187.00000	90.30000	53.40000	.01130	.08140	-.05320	.10580	-.10150	-.18330
.600	-1.840	4063.00000	3189.00000	90.30000	53.50000	.00900	.08260	-.06810	.11720	-.10650	-.18320
.600	.190	4063.00000	3183.00000	90.40000	53.30000	-.01670	.07250	-.07970	.11400	-.11080	-.18430
.600	2.320	4063.00000	3187.00000	90.50000	53.70000	-.01990	.07980	-.08970	.11130	-.11810	-.19540
.600	4.390	4063.00000	3184.00000	90.40000	53.40000	-.01130	.07710	-.09970	.10730	-.12360	-.18870
.600	7.290	4063.00000	3184.00000	90.50000	53.50000	-.04830	.07180	-.11640	.08980	-.13440	-.19250
.600	10.360	4062.00000	3186.00000	90.50000	53.60000	-.05570	.07920	-.13100	.11290	-.13540	-.20290
.600	15.710	4063.00000	3185.00000	90.60000	53.60000	-.06390	.07190	-.15020	.10820	-.14560	-.21100
	GRADIENT	.00000	-.37593	.01904	.00978	-.00352	-.00054	-.00546	-.00013	-.00266	-.00110

ARC 213-1-11 LA89 OV 101 WITHOUT T/C (T2E220) (19 MAR 77)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	1076.6800 IN. XO		
LREF =	474.8100 IN.	YMRP =	.0000 IN. YO		
BREF =	936.6800 IN.	ZMRP =	375.0000 IN. ZO		
SCALE =	.0300				

PARAMETRIC DATA

RDBF =	-11.700	ALPHA =	10.000
BETA =	.000	SPDBRK =	.000
BDFLAP =	-11.700	RN/L =	6.500
GRIT =	1.000		

RUN NO. 220/ 0 RN/L = 6.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ELEVON	PT	P	TTF	TF	CPC1	CPC2	CPC3	CPC4	CPC5	CPC6
.599	-14.910	4060.00000	3186.00000	90.50000	53.60000	.00480	.07290	-.11910	.15200	-.08930	-.16520
.599	-10.030	4062.00000	3187.00000	90.30000	53.50000	-.04060	.03230	-.18250	.18430	-.12410	-.17630
.599	-6.960	4063.00000	3185.00000	90.30000	53.30000	-.05940	.00720	-.21960	.20390	-.13210	-.18570
.599	-3.950	4062.00000	3184.00000	90.40000	53.50000	-.08130	.00200	-.22830	.20180	-.14020	-.18610
.599	-1.720	4062.00000	3185.00000	90.50000	53.60000	-.09600	-.00650	-.25500	.21720	-.14430	-.19270
.599	.200	4062.00000	3185.00000	90.40000	53.40000	-.11380	-.01940	-.26600	.22500	-.14610	-.19270
.599	2.240	4063.00000	3185.00000	90.40000	53.50000	-.12900	-.03370	-.29300	.22410	-.15670	-.20640
.599	4.320	4063.00000	3185.00000	90.30000	53.30000	-.13260	-.03970	-.29090	.21790	-.16160	-.20990
.599	7.440	4063.00000	3184.00000	90.50000	53.50000	-.14750	-.03940	-.31780	.22320	-.17060	-.21200
.599	10.640	4063.00000	3184.00000	90.30000	53.40000	-.17560	-.04050	-.34800	.22320	-.17250	-.21860
.599	15.610	4063.00000	3182.00000	90.40000	53.30000	-.18770	-.05270	-.36500	.21850	-.19080	-.23670
	GRADIENT	.14565	.09913	-.01437	-.02408	-.00661	-.00538	-.00797	.00192	-.00269	-.00299