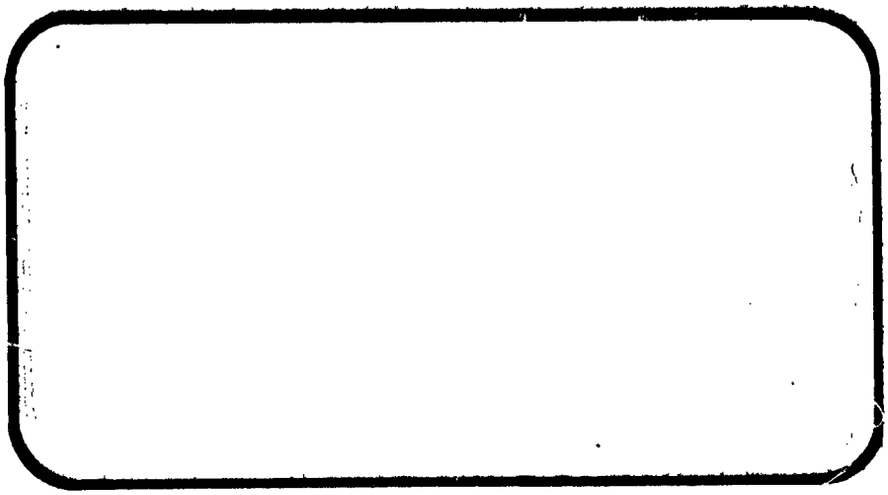
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

CR-128794



NASA-CR-128794-Vol-17) RESULTS OF TESTS OA12 AND IA9 IN THE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030 SCALE MODEL OF THE SPACE (Chrysler Corp.) 1163 p HC $64.25 CSCL 22B G3/31

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

April, 1974

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VOLUME 17 OF 18

RESULTS OF TESTS 0A12 AND IA9 IN THE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 2A TO DETERMINE AERODYNAMIC LOADS

By

R. H. Spangler
Rockwell International

Prepared under NASA Contract Number NAS9-13247

By

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New Orleans, Louisiana 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

AIRC MODEL TEST SPECIFICS:

Test Number :	ARC 11 70T (A) ARC 9T-70T (B) ARC 8T-70T (C)
NASA Series Numbers:	12OA, B, C and OA12A, C
Test Date:	2 April - 17 May, 1977

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Chrysler Corporation Space Division Assumes no responsibility for the data presented herein other than its display characteristics.

RESULTS OF TESTS OA12 AND IA9 IN THE AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS ON AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 2A TO DETERMINE AERODYNAMIC LOADS

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ABSTRACT

Tests were conducted in the NASA/ARC Unitary Plan Wind Tunnels during April and May 1973, on an 0.030-scale replica of the Space Shuttle Vehicle Configuration 2A. Aerodynamic loads data were obtained at Mach numbers from 0.6 to 3.5.

The investigation included Tests IA9A, B and C on the integrated (launch) configuration and Tests OA12A and C on the isolated orbiter (entry configuration). The integrated vehicle was tested at angles of attack and sideslip from -8 degrees to +8 degrees. The isolated orbiter was tested at angles of attack from -15 degrees to +40 degrees and angles of sideslip from -10 degrees to +10 degrees as dictated by trajectory considerations. The effects of orbiter/external tank incidence angle and deflected control surfaces on aerodynamic loads were also investigated.

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INDEX OF TABULATED PRESSURE DATA (Concluded)

INTRODUCTION

The 0.04-scale Aero Jondo Space Shuttle model was tested in the Unitary Plan Wind Tunnels at ARC starting April 7, and continuing through May 17, 1973 as follows:

IA9A	11-foot Transonic	April 7 to April 14, 1973
OA12A	11-foot Transonic	April 16 to April 20, 1973
IA9C	8x7-foot Supersonic	April 23 to May 1, 1973
OA12C	8x7-foot Supersonic	May 2 to May 8, 1973
IA9B	9x7-foot Supersonic	May 9 to May 17, 1973

The testing was conducted in all three legs of the Unitary Plan Wind Tunnels to obtain a Mach number range from 0.6 to 3.5. Aerodynamic loads data were obtained for the ascent and entry configurations. The effects of control surface deflections were also investigated.

This report consists of 3 volumes of force data and 15 volumes of pressure data for a total of 18 volumes arranged in the following manner:

VOLUME NO.	CONTENTS
1	IA9A force data
2	IA9B and IA9C force data
3	OA12A and OA12C force data
4	IA9A plotted pressure data
5	IA9B and IA9C plotted pressure data
6	OA12A and OA12C plotted pressure data
7	IA9A tabulated pressure data (a) orbiter fuselage (b) orbiter base (c) upper MPS nozzle
8	IA9A tabulated pressure data (a) OMS nozzle (b) body flap (c) OMS pod outside (d) lower wing surface
9	IA9A tabulated pressure data (a) upper wing surface (b) left vertical tail surface (c) right vertical tail surface (d) APU inlet (e) SRM booster base
10	IA9A tabulated pressure data (a) SRM booster (b) external tank (c) external tank base

11 IA9B tabulated pressure data
- (a) orbiter fuselage
- (b) orbiter base
- (c) upper MPS nozzle
- (d) OMS nozzle
- (e) body flap
- (f) OMS pod outside
- (g) lower wing surface

12 IA9B tabulated pressure data
- (a) upper wing surface
- (b) left vertical tail surface
- (c) right vertical tail surface
- (d) APU inlet
- (e) SRM booster base
- (f) SRM booster
- (g) external tank
- (h) external tank base

13 IA9C tabulated pressure data
- (a) orbiter fuselage
- (b) orbiter base
- (c) upper MPS nozzle
- (d) OMS nozzle
- (e) body flap
- (f) OMS pod outside

14 IA9C tabulated pressure data
- (a) lower wing surface
- (b) upper wing surface
- (c) left vertical tail surface
- (d) right vertical tail surface

15 IA9C tabulated pressure data
- (a) APU inlet
- (b) SRM booster base
- (c) SRM booster
- (d) external tank
- (e) external tank base

16 OA12A tabulated pressure data
- (a) orbiter fuselage
- (b) orbiter base
- (c) upper MPS nozzle
- (d) OMS nozzle
- (e) body flap
- (f) OMS pod outside

17 OA12A tabulated pressure data
- (a) lower wing surface
- (b) upper wing surface
- (c) left vertical tail surface
- (d) right vertical tail surface
- (e) APU inlet

18 OA12C tabulated pressure data
All components

NOMENCLATURE
General

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

Reference & C.G. Definitions

Ab		base area; m^2, ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
ℓ_{REF} $\bar{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS:

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

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	SADSAC SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
		Stability-Axis System
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (CONTINUED)

ADDITIONS TO STANDARD LIST

SYMBOL	PLOT SYMBOL	DEFINITION
δ_R	RUDDER	rudder surface deflection angle, positive deflection, trailing edge to the left; degrees.
δ_e	ELEVON	elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_{RF}	RUDFLR	rudder flare, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{RF} = (\delta_{RL} + \delta_{RR})/2$, positive deflection; degrees.
i_o	ORBINC	incidence angle between the orbiter and external tank, $i_o = \alpha_t - \alpha_t$; degrees.
β_T	BETAT	angle of sideslip of external tank.
α_T	ALPHAT	angle of attack of external tank.
ℓ_B	LB	length of orbiter body; in.
ℓ_T	LT	length of external tank; in.
ℓ_s	LS	length of SRM booster; in.
ℓ_{NM}	LNM	length of OMS nozzle, positive direction forward of exit plane; in.
ℓ_{NP}	LNP	length of MPS nozzle, positive direction forward of exit plane; in.
$b/2$	BW	wing semi-span; in.
b_v	BV	vertical tail span; in.
x	X	distance from component nose; in.
y	Y	lateral distance from centerline; in.

NOMENCLATURE (CONCLUDED)

SYMBOL	PLOT SYMBOL	DEFINITION
z	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord); in.
c_w	CW	local wing chord; in.
c_v	CV	local vertical tail chord; in.
x/ℓ_B	X/LB	longitudinal position/orbiter body length.
x/ℓ_T	X/LT	longitudinal position/external tank length.
x/ℓ_S	X/LS	longitudinal position/booster length.
x/ℓ_{NM}	X/LNM	longitudinal position/OMS nozzle length.
x/ℓ_{NP}	X/LNP	longitudinal position/MPS nozzle length.
x/c_w	X/CW	local chordwise position/local wing chord length.
x/c_v	X/CV	local chordwise position/local vertical tail chord length.
y/b/2	Y/BW	local spanwise position/wing semi-span.
z/b_v	Z/BV	local spanwise position/vertical tail span.

CONFIGURATIONS INVESTIGATED

The 0.030-scale aero loads model was a replica of the Space Shuttle Vehicle 2A. It consisted of four major components: the orbiter, the external oxygen and hydrogen tank (ET) and two solid rocket boosters (SRB).

On the ascent configuration, the orbiter was strut mounted from the ET on a Task Corporation MK XVI 2.5-inch diameter internal balance. The left SRB was strut mounted from the ET on a Task Corporation MK XXII 1.5-inch diameter internal balance. No attempt was made to simulate actual inter-attachments. The ET was sting mounted to the tunnel model support system on a Task Corporation 4.0-inch diameter internal balance. The right SRB was strut mounted symetrically to the left side, but did not contain a balance. The orbiter configuration, designated as 02A, consisted of $B_1OC_5D_7W_{87}V_5R_5M_3F_4$.

The entry configuration consisted of the isolated orbiter, sting mounted to the tunnel model support system on a Task Corporation MK XXA 2.5-inch diameter internal balance. Midway through the OA12C test, the MK XXA balance was damaged and was replaced by the MK XXB for the high angles of attack. The orbiter was provided with deflectable elevons by means of interchangeable brackets, deflectable rudder by means of a pin-indexed hinge, and interchangeable rudders to obtain different speed brake flare angles. The main propulsion system engines were removed during entry configuration testing to provide sting clearance. A cover plate was provided for the strut clearance hole.

The orbiter was instrumented with 374 pressure orifices on the left wing, left side of the fuselage, vertical tail, left OMS pod and engine, left and upper MPS engine and the base. The pressures were measured using eleven Scanivalve, Inc., S-type valve modules mounted internally (a five and a six gang unit). When tested in the entry configuration, the MPS pressures were not available for measurement.

The left side of the ET was instrumented with 136 pressure orifices. These pressures were measured by means of 7 Scanivalve, Inc., S-type valve modules configured as one unit of 6 modules and one single. These valves were mounted internally in the tank. The left SRB had one gang of six S-type modules to measure 102 pressures. The right SRB was not instrumented. The pressure transducers used in the valve modules were Statham PM 131 TC differential pressure transducers, with ranges of ±10 psid, ±15 psid and ±15 psid. Reference and calibration pressures were measured by the ARC micro manometers.

Some modifications were made to the model at the test site prior to

testing. These were as follows:

1. The forward tip of the ET containing the retro rocket package (Reference NR Drawing VL78-000018) was replaced with a flush 0.90 inch radius nose (Model scale). The new nose had five pressure taps; one in the nose and four more aft of the nose on the vertical and horizontal axis on a 0.315 inch radius.

2. The ET balance cavity was enlarged by one inch on the diameter (from 5 inches to 6 inches) to provide clearance for cable routing and eliminate balance interference.

3. The clearances around both the orbiter and the SRB struts were opened to approximately 1/8 inch to prevent interference.

4. An alternate rudder hinge pin was provided to give a rudder deflection of +15 degrees.

Before and during the tests various model discrepancies developed or were discovered. These were generally minor and had only a negligible, if any, effect on the data. Significant discrepancies are noted below:

1. Pressure orifices P171 and P173 on the OMS pod base were omitted.

2. During the test certain pressure taps developed leaks or became plugged. Data from these taps are questionable and should be used with caution. Difficulties in checking may have resulted in erroneous indications of leakage. Repairs were made to correct leaking or plugged pressure instrumentation, whenever possible, as the test progressed. The following list gives those taps that were indicated as bad on the various leak and response checks:

ARC Facility	Run Nos.	Orifice numbers with questionable pressure data
11'	2-4	72, 163, 427
↓	5-118	31, 100, 123, 163, 201, 427
	119-160	16, 98, 101, 107, 333, 427
	161-170	16, 98, 101, 107, 333, 427 + 306, 307, 307, 308, 336, 337, 356, 357, 375

CONFIGURATIONS INVESTIGATED (CONCLUDED)

ARC Facility	Run Nos.	Orifice numbers with questionable pressure data
11'	171-182	16, 47, 53, 75, 78, 98, 107, 201, 236, 237, 238, 307, 327, 365, 427
↓	183-189	Same as (171-182) + 7, 447, 525
↓	190-211	Same as (171-182)
8'x7'	220-234	20, 21, 24, 74, 326, 327, 336, 424, 427, 752, 868, 871
↓	235-285	74, 326, 327, 336, 424, 427, 752, 868, 871
↓	286-300	74, 107, 115, 124, 129, 138, 326, 327, 336, 427
↓	301-305	74, 326, 327, 336, 427
↓	306-333	74, 326, 327, 427
9'x7'	340-396	5, 325, ~~326, 327,~~ 424, 427, 526, 752, 868, 871

TEST FACILITIES DESCRIPTION

Ames 11 x 11-Ft. Transonic

The Ames 11 x 11-Foot Transonic Wind Tunnel is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

Ames 8 x 7-Ft. Supersonic

The Ames 8 x 7-Foot Supersonic Wind Tunnel is a closed-return, variable-density tunnel with a 8- by 7-foot rectangular test section. The nozzle has flexible side walls with fixed upper and lower surfaces. Mach number range is continuously variable from 2.45 to 3.5. Tunnel stagnation pressure can be varied from 0.3 to 2.0 atmospheres and Reynolds number per foot varies from 1.0×10^6 to 5.0×10^6.

Ames 9 x 7-Ft. Supersonic

The Ames 9 x 7-Foot Supersonic Wind Tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

DATA REDUCTION

Standard procedures were utilized to reduce force and pressure data to coefficient form. The following dimensional constants were applied:

Reference Dimensions and Constants (Model Scale)

$S_{Ref.} = 2.401$ Ft^2	Orbiter reference area
$\ell_{Ref.} = 39.849$ in.	Orbiter reference length

Base Areas (Model Scale)

$A_{BOI} = 0.1903$ Ft^2	Orbiter base area, integrated
$A_{BOA} = 0.2362$	Orbiter base area, sting mounted
$A_{BMPSU} = 0.0417$	Orbiter upper MPS base area
$A_{BMPSL} = 0.0853$	Orbiter lower MPS base area
$A_{BACPS} = 0.0310$	Orbiter ACPS base area on OMS pod
$A_{BOMS} = 0.0231$	Orbiter OMS nozzle base area
$A_{BPOD} = 0.0257$	Orbiter OMS pod base area
$A_{CO} = 0.0611$	Orbiter sting cavity base area
$A_{BNOZ} = 0.0564$	SRM nozzle base area
$A_{BSKIRT} = 0.1729$	SRM nozzle skirt base area
$A_{BETI} = 0.3189$	ET Base area
$A_{CET} = 0.1964$	ET Sting cavity base area

TEST : OA12 / EA3

TABLE I.

DATE : May, 197[illegible]

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. Foot)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	4.0×10^6	540	120° NOM.
0.9	4.5	800	
1.1	4.0	800	
1.25	3.0	630	
1.4	3.0	650	
1.55	2.8	600	
2.0	2.3	490	
2.5	1.5	300	
3.0	2.0	350	
3.5	2.0	300	

BALANCE UTILIZED: FIVE (5) TASK CORPORATION BALANCES WITH CAPACITIES AS FOLLOWS:

	ISOLATED ORBITER MK III A	ISOLATED ORBITER MK XX B	INTEGRATED VEHICLE ORB MK XVI	INTEGRATED VEHICLE SRB MK XV	INTEGRATED VEHICLE ET MK II B
N_F	3000	3000	2400	1250	4000
N_A	3000	3000	2400	1250	4000
Y_F	1500	1500	1200	500	2000
Y_A	1500	1500	1200	500	2000
X	600	600	1500	200	1000
R	4000	4000	4000	1000	10,000
SIZE	2.5"	2.5"	2.5"	1.5"	4.0"

COMMENTS: THE MARK XX A, 2.5IN DIA. BALANCE WAS DAMAGED AFTER RUN 319. THE MARK XX B WAS SUBSTITUTED FOR RUN 320 AND SUBSEQUENT RUNS

TABLE II.

TEST: ARC 11-707 **DATA SET/RUN NUMBER COLLATION SUMMARY** **DATE:** 4-27-75

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	δ_e	δ_R	δ_{FR}	i_o	NO. OF RUNS	M 0.6	M 0.9	M 1.1	M 1.25	M 1.4
RBMX01	$\phi_{2A} + S_3 + T_9$	A	0	0	0	0	1.5	4	3	5	6	7	
02		A	0				0.5	5	8	18	28	38	48
03		-8	B					4	9	19	29	39	
04		-6							10	20	30	40	
05		-4							11	21	31	41	
06		-2							12	22	32	42	
07		0						5	13	23	33	43	49
08		2						4	14	24	34	44	
09		4							15	25	55	45	
10		6							16	26	36	46	
11		8							17	[illegible]	37	47	
12		-8	C		-5			2			97	102	
13		-6									118	111	
14		-4									98	103	
15		-2									[illegible]	[illegible]	
16		0									79	104	
17		2									116	113	
18		4									100	105	

COEFFICENTS

α OR β SCHEDULES

αA = -8, -6, -4, -2, 0, 2, 4, 6, 8

βB = -8, -6, -4, -2, 0, 2, 4, 6, 8

βC = -8, -4, 0, 4, 8

TABLE II. CONTINUED

TEST: ARC - 11 - 707 (IA ?)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE:

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δe	PARAMETERS/VALUES δR	PARAMETERS/VALUES δFR	PARAMETERS/VALUES t/c	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.9	1.1	1.25
RBMx 19	ϕ_{2A} + S3 + T7	6	C	0	-5	0	0.5	2			115	114
20		8			-5						101	106
21		-8			-10						60	69
22		-6									61	70
23		-4									62	71
24		-2									63	72
25		0									64	73
26		2									65	74
27		4									66	75
28		6									67	76
29		8									68	77
30		-8			-15						78	88
31		-6									79	89
32		-4									80	90
33		-2									81	91
34		0									82	92
35		2									83	93
36		4									84	94

TEST RUN NUMBERS

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

COEFFICENTS

α OR β SCHEDULES

TABLE II. CONTINUED

TEST : ARC 11-707 (IA-1)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE : ..

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	δ_R	δ_{FR}	i_o	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.9	1.1	1.25	TEST RUN NUMBERS
RBMx 37	$\phi_{2A} + S_3 + T_9$	6	C	0	-15	0	0.5	2			85	95	
38		8			-15						87	96	
39		-8			-5						50	55	
40		-4									51	56	
41		0									52	57	
42		4									53	58	
43		8									54	59	
44		A	0		0		-1.2	4	107	108	109	110	

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

COEFFICENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE II. CONTINUED

TEST: ARC 97-707 IA-E1 — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE [illegible]

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δe	δR	io	δRF	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 1.55	2.0	TEST RUN #
RBØx01	$\emptyset_{2A} + S_3 + T_4$	A	0	0	0	0.5	0	2	341	351	
02		8	B						342	360	
03		6							343	359	
04		4							344	358	
05		2							345	357	
06		0							346	356	
07		-2							347	355	
08		-4							348	354	
09		-6							349	353	
10		-8							350	352	
11		-8	C		-15				361	367	
12		-4							362	368	
13		0							363	369	
14		4							364	370	
15		6							365	371	
16		8							366	372	
17		-8			-10				373	379	
18		-4			-10				374	380	

1 7 13 19 25 31 37 43 49 55 61 67 75 78

α OR β SCHEDULES

COEFFICENTS

α(A) = -8, -6, -4, -2, 0, 2, 4, 6, 8

β(B) = 8, 6, 4, -4, -6, -8

β(C) = 8, 6, 4, [illegible], -4, -6, -8

IDVAR(1) IDVAR(2) NDM

TABLE II. CONTINUED

TEST: ARC 97-707(IA9B) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE 5-17-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	PARAMETERS/VALUES δ_R	PARAMETERS/VALUES i_o	PARAMETERS/VALUES δ_{RF}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 1.55	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.0	TEST RUN NUMBERS
RBØx19	$\emptyset_{2A} + S_3 + T_9$	0	C	0	-10	0.5	0	2	375	381	
20		4							376	382	
21		6							377	383	
22		8							378	384	
23		-8			+15				385	391	
24		-4							386	392	
25		0							387	393	
26		4							388	394	
27		6							389	395	
28		8							390	396	

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

COEFFICENTS IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES

TABLE II. CONTINUED

TEST: ARC 8×7-707 (IASC) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE 5-1-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	δ_R	δ_{FR}	C_o	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.5	3.0	3.5	TEST RUN NUMBERS
RBN×01	$\emptyset_{2A} + S_3 + T_9$	A	0	0	0	0	0.5	3	240	230	220	
02		-8	B						241	231	221	
03		-6							242	232	222	
04		-4							243	233	223	
05		-2							244	234	224	
06		0							245	235	225	
07		2							246	236	226	
08		4							247	237	227	
09		6							248	238	228	
10		8							249	239	229	
11		-8	C		-15				267	256	250	
12		-4							266	257	251	
13		0							265	258	252	
14		4							264	259	253	
15		6							263	260	254	
16		8							262	261	255	

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

ID, AR (1) ID, AR (2) NDV

α OR β SCHEDULES — COEFFICENTS

$\alpha A = -8, -6, -4, -2, 0, 2, 4, 6, 8$

$\alpha B = -8, -6, -4, -2, 2, 4, 6, 8$

$\beta C = -8, -6, -4, 0, -2, 5$

TABLE II. CONTINUED

TEST: ARC 8×7-707 (IA9C) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 5-1-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	δ_R	δ_{FR}	i_o	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.5	3.0	3.5	TEST RUN NUMBERS
RBNx17	$\emptyset_{2A} + S_3 + T_a$	-8	C	0	-10	0	0.5	3	274	280*	268	
18		-4							275	281*	269	
19		0							276	282*	270	
20		4							277	283*	271	
21		6							278	284*	272	
22		8							279	285*	273	

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

α OR β SCHEDULES

COEFFICENTS

IDVAR(1) IDVAR(2) NDV

* NOTE: RUNS 280-285: β SCHEDULE 15:
T8, -4, 0, 4, 8

TABLE II. CONTINUED

TEST : AMES 11-707 (OA12A) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE - 4-23-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δ_e	PARAMETERS/VALUES δ_R	PARAMETERS/VALUES δ_{FR}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.9	TEST RUN NUMBERS
RBPx01	$B_{10}C_5D_7N_2F_4M_3N_8V_5R_5W_{17}E_{10}$	A	0	0	0	0	2	119	125	
02		0	B					120	126	
03		5						121	127	
04		10						122	128	
05		15						123	129	
06		20						124	130	
07		0	C		-10			131	136	
08		5						132	137	
09		10						133	138	
10		15						134	139	
11		20						135	140	
12		0			-20			141	146	
13		5						142	147	
14		10						143	148	
15		15						144	149	
16		20						145	150	
17		0	D	10	0			151	156	
18		5	D	10	0			152	160	

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

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES — COEFFICENTS

α A = MAX, 0, 5, 10, 15, 20, 25

β B = -10, -5, 5, 10

β C = 8, -4, 0, 4, 8

β D = -10, 0, 10

βE = -5, 0, 5

TABLE II. CONTINUED

TEST: AMES 11-707 (0A12A) — **DATA SET/RUN NUMBER COLLATION SUMMARY** — **DATE:** 4-23-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δe	δR	δFR	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.9	TEST RUN NUMBERS
RBPx19	$B_{10}C_5D_7N_2F_4M_3N_8V_5R_5W_{87}E_{18}$	10	D	+10	0	0	2	153	157	
20		15						154	159	
21		20						155	158	
22		0	C	-10				161	166	
23		5						162	167	
24		10						163	168	
25		15						164	169	
26		20						165	170	
27		-4	E	-20				171	182	
28		0	C					172	181	
29		5						173	180	
30		10						174	179	
31		15						175	178	
32		20						176	177	
33		-4	E	0	0	40		183	189	
34		0	C					184	190	
35		5						185	191	
36		10						186	192	

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

IDVAR (1) IDVAR (2) NDV

α OR β SCHEDULES — COEFFICENTS

α A = -MAX, 0, 5, 10, 15, 20, 25

β B = -10, -5, 5, 10

β C = -8, -4, 0, 4, 8

β D = -10, 0, 10

β E = -5, 0, 5

TABLE II. CONTINUED

TEST: AMES 11-707 (0A12A) — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE 4-23-70

DATA SET IDENTIFIER	CONFIGURATION	SCHD α	SCHD β	PARAMETERS/VALUES δ_e	δ_R	δ_{FR}	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 0.6	0.9	1.1	1.25	1.4	TEST RUN NUMBERS
RBPx37	$B_{10}C_5D_7N_2E_4H_2N_4V_5R_5W_{07}E_{18}$	15	C	0	0	40		187	193				
38		20	C			40		188	194				
39		F	0			0				199	197	195	
40		0.5	G							200	198	196	
41		-4	E		-10			201	202				
42		-4	E		-20			203	204				
43		-4	E	10	0	0		205	206				
44		-4	E	-10				207	208				
45		-4	E	0				210	209				
46		H	0					216	211				
47		-5	I					215	212				
48		-10	I					214	213				

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

IDVAR(1) IDVAR(2) NDV

α OR β SCHEDULES

COEFFICENTS

α_F = -4.5, -3.5, -1.5, 0.5, 2.5, 4.5, 6.6, 8.6, 10, 15 α_H = 0, -5, -10, -15

β_G = -8, -4, -2, 0, 2, 4, 8 β_I = -10, -5, 5, 10

TABLE II. CONTINUED

TEST: 87-707 (0A12C) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE 5-7-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δe	δR	δFR	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.5	3.5	TEST RUN NUMBERS
RBQx01	$B_{10}C_5D_7N_2F_2M_3N_8V_5F_9W_{97}F_{98}$	A	0	0	0	40	2	290	286	
02		0	B					293	289	
03		10	C					292	288	
04		20	C					291	287	
05		0	D		-20			297	294	
06		10						298	295	
07		20						299	296	
08		0		10	0			303	300	
09		10						304	301	
10		20						305	302	
11		0		-20				309	306	
12		10						310	307	
13		20						311	308	
14		0		-40				317	314	
15		10						318	315	
16		20						319	316	
17		E	0	0				322	320	
18		30	D	0				323	321	

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

IDVAR (1) IDVAR (2) NDV

COEFFICENTS

α OR β SCHEDULES

αA = 0, 5, 10, 15, 20

αB = 3, -3

αE = 15, 20, 25, 30, 35, 40

βC = 6, 3, -3, -6

βD = 6, 3, 0, -3, -6

TABLE II. CONCLUDED

TEST: 87-707 (ØA12C) | DATA SET/RUN NUMBER COLLATION SUMMARY | DATE 5-9-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES δe	PARAMETERS/VALUES δR	PARAMETERS/VALUES δFR	NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 2.5	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE) 3.5	TEST RUN NUMBERS
RBQx 19	$B_{10}C_5O_1N_2F_4M_{13}N_2V_5R_5W_{22}F_{78}$	30	D	0	-20	40	2	325	324	
20		30	D	10	0	40		327	326	
21		30	D	-20	0	40		329	328	
22		20	F	0	0	40		332	330	
23		15	G	0	0	40		333	331	

1 7 13 19 25 31 37 43 49 55 61 67 75 78

COEFFICENTS

α OR β SCHEDULES

δF = 10, 6, 0, -6, -10

δ3 = 6, 0, -6

TABLE III. MODEL COMPONENT DIMENSIONAL DATA

MODEL COMPONENT: HLO Body

GENERAL DESCRIPTION: Fuselage, 2A Configuration, Lightweight Orbiter, per Rockwell Lines VL70-000089 "B."

Scale Model = .030

DRAWING NUMBER: VL70-000089 "B"
VL70-000092, 93, 94 "A"

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length ~ IN	1328.3	39.8490
Max. Width ~ IN ($@X_o$ = 1528.3)	265.0	7.9500
Max. Depth ~ IN. ($@X_o$ = 1480.52)	248.0	7.4400
Fineness Ratio	5.012	5.012
Area ~ Ft^2		
Max. Cross-Sectional	456.4	.41076
Planform		
Wetted		
Base		

TABLE III. (CONTINUED)

MODEL COMPONENT: Canopy - C5

GENERAL DESCRIPTION: 2A Configuration per Lines VL70-000092

Scale Model = .030

DRAWING NUMBER: VL70-000092

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length (STA FWD Bulkhead)	391.0	11.730
Max. Width (T.E. Bulkhead)	560.0	16.800
Max. Depth (WP = 42.9 22 to = 500)		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. (CONTINUED)

MODEL COMPONENT: Manipulator Housing D-7

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000093

Scale Model = .030

DRAWING NUMBER: VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length ~ IN.	881.00	26.430
Max. Width ~ IN.	51.00	1.530
Max. Depth ~ IN.	23.00	.690
Fineness Ratio		
Area-		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

C Fuselage BP = 0.00

WP = 500.0 IN. FS

X.426.0 to 1307.0 IN. FS

TABLE III. (CONTINUED)

MODEL COMPONENT: WING-W87 New Light Weight Orbiter

GENERAL DESCRIPTION: Orbiter Configuration Per Lines VL70-000093.

NOTE: (Dihedral Angle is defined at the lower surface of the Wing at the 75.33% element line projected into a plane perpendicular.

Scale Model = .030

TEST NO. DWG. NO. VL70-000093

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2 Planform	2690.00	2.42100
Span (Theo In.	936.68	28.10040
Aspect Ratio	2.265	2.65
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.2000
Dihedral Angle, degrees	3.5000	3.500
Incidence Angle, degrees	3.000	+3.00
Aerodynamic Twist, degrees	3.500	+3.000
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	-10.24	-10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.0.0.	689.24	20.67720
Tip, (Theo) B.P. 46834	137.85	4.13550
MAC	474.81	14.24430
Fus. Sta. of .25 MAC	1136.89	34.10670
W.P. of .25 MAC	299.20	8.97840
183.13 B.L. of .25 MAC	182.13	5.46390
EXPOSED DATA		
Area (Theo) Ft^2	1752.29	1.57706
Span, (Theo) In. BP108 to 468.341	720.68	21.62040
Aspect Ratio	2.058	2.058
Taper Ratio	.2451	.2451
Chords		
Root BP108	562.40	16.8720
Tip 1.00 $\frac{b}{2}$	137.85	4.13550
MAC	393.03	11.79090
Fus. Sta. of .25 MAC	1185.31	35.55930
W.P. of .25 MAC	300.207	9.00621
B.L. of .25 MAC	143.76	4.31280
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ = .425	.10	.10
Tip $\frac{b}{2}$ = 1.00	.12	.12
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	120.33	.10830
Leading Edge Intersects Fus M. L. @ Sta	560.0	16.80
Leading Edge Intersects Wing @ Sta	1035.0	31.050

TABLE III. (CONTINUED)

MODEL COMPONENT: Elevon E-18

GENERAL DESCRIPTION: 2A Configuration Per W-87 Rockwell Lines VL 70-000093

Data for (1) of (2) Sides

Scale Model = .030

DRAWING NUMBER: VL 70-000093

DIMENSIONS:		FULL-SCALE	MODEL SCALE
Area ~ Ft^2		205.52	.18497
Span (equivalent) ~ IN.		353.34	10.60020
Inb'd equivalent chord		114.78	3.44340
Outb'd equivalent chord		55.00	1.6500
Ratio movable surface chord/ total surface chord			
At Inb'd equiv. chord		.208	.208
At Outb'd equiv. chord		.400	.400
Sweep Back Angles, degrees			
Leading Edge		0.00	0.00
Tailing Edge		-10.24	-10.24
Hingeline		0.00	0.00
Area Moment (Normal to hinge line) Product of Area Moment	Ft^3	1548.07	.04180

TABLE III. (CONTINUED)

MODEL COMPONENT: VERTICAL - V5 (Light Weight Orbiter Configuration)

GENERAL DESCRIPTION: Centerline Vertical Tail, Double Wedge Airfoil with Rounded Leading Edge

Scale Model = .030

DRAWING NUMBER: VL70-000095

DIMENSIONS:		FULL-SCALE	MODEL SCALE
TOTAL DATA			
Area (Theo) Planform	Ft^2	413.25	.37192
Span (Theo)	In	315.72	9.47160
Aspect Ratio		1.675	1.675
Rate of Taper		0.507	0.507
Taper Ratio		.404	.404
Sweep Back Angles, degrees			
Leading Edge		45.000	45.000
Trailing Edge		26.249	26.249
0.25 Element Line		41.130	41.130
Chords:			
Root (Theo) WP		268.50	8.05500
Tip (Theo) WP		108.47	3.25410
MAC		199.81	5.99430
Fus. Sta. of .25 MAC		1463.50	43.90500
W. P. of .25 MAC		635.522	19.06566
B. L. of .25 MAC		0.00	0.00
Airfoil Section			
Leading Wedge Angle	Deg	10.000	10.000
Trailing Wedge Angle	Deg	14.920	14.920
Leading Edge Radius	IN.	2.00	.06
Void Area	Ft^2	13.17	.01185
Blanketed Area	Ft^2	12.67	.01140

TABLE III. (CONTINUED)

MODEL COMPONENT: R-5 Rudder

GENERAL DESCRIPTION: ZA Configuration per Rockwell Lines VL 70-000095

Scale Model = .030

DRAWING NUMBER: VL 70-000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area ~ Ft^2	106.38	.09571
Span (equivalent) ~ IN.	201.0	6.030
Inb'd equivalent chord	91.585	2.74755
Outb'd equivalent chord	50.833	1.52499
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	0.400	0.400
At Outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Tailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Normal to hinge line) ~ Ft^3 Product of Area and Mean Chord	526.13	.01421

TABLE III. (CONTINUED)

MODEL COMPONENT: OMS Pod -M3

GENERAL DESCRIPTION: 2A Light Weight Configuration per Rockwell Lines VL70-000094A

Scale Model = .030

DRAWING NUMBER: VL70-000094A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length	346.0	10.380
Max. Width $X_{\_}$ = 1450.0	108.0	3.240
Max. Depth X_o = 1500.0	113.0	3.390
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

C of OMS Pod

WP = 463.9 IN. FS WP 400 + 63.9 = 463.9

BP = 80.0 IN. FS

Length 1214.0 to 1560.0 = 346.0 IN. FS

TABLE III. (CONTINUED)

MODEL COMPONENT: F4 Body Flap

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000094A

Scale Model = .030

DRAWING NUMBER: VL70-000094A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length	84.70	2.541
Max. Width	265.00	7.950
Max. Depth		
Fineness Ratio		
Area ~ Ft^2		
Max. Cross-Sectional		
Planform	142.64	.12838
Wetted		
Base Ft^2	38.65	.03478

TABLE III. (CONTINUED)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : 83-Booster Solid Rocket Motor

GENERAL DESCRIPTION : 2A Configuration Per Rockwell Linen VL77-000012 & VL77-000061 "B"

Body of Revolution; Data for (1) of (2) Sides

Scale Model = .030

DRAWING NUMBER : VL 77-000012

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ~IN.	1732.0	51.96
Max Width (DIA) IN. BSRM Tank	142.0	4.260
Max Depth (DIA) Aft Skirt	259.0	7.77
Fineness Ratio L/D	6.687	6.687
Area ~ Ft^2		
Max. Cross-Sectional (Aft Skirt)	365.87	.32928
Planform		
Wetted		
Base		

Ref.

FS (Orbiter) = 0.00 = 747.99 IN. ET = 200.0 IN. BSRM

WP (BSRM) = WP 400(Orbiter) - 344.413 = 55.587 IN.

BP (Orbiter) = 0.00 = 243.0 IN. BSRM

TABLE III. (CONCLUDED)

MODEL COMPONENT: EXTERNAL TANK - T9

GENERAL DESCRIPTION: 2A Configuration

NOTE: T9 identical to T8 W/O retro pkg., nose w/30"R F.S.

DRAWING NUMBER NONE

DIMENSION:	FULL SCALE	MODEL SCALE
Length - IN.	1858	55.740
Max Width (Dia) - IN.	324.0	9.720
Max Depth		
Fineness Ratio L/D	5.73457	5.73457
Area - FT^2		
Max Cross-Sectional	572.56	0.51530
Planform		
Wetted		
Base		
Nose, Radius, IN.	30.0	

ORBITER STATION ~ X_o			RADIAL LOCATION θ ~ DEGREES															
FULL	MODEL	X_o/ℓ_o	0	20	40	55	70	90	105	110	120	135	142	150	157	162	165	169	172	180
200	6.00	0	20																	23
210	6.30	.008	21					22												
225	6.75	.019	24	25	26	27	28	29			30			31						32
245	7.35	.034	33	34	35	36	37	38			39			40						41
280	8.40	.060	42	43	44	45	46	47			48			49						50
380	11.40	.136	51	52	53	54	55	56			57			58						59
400	12.00	.151																		
410	12.30	.158													61					
430	12.90	.173	62	63	64	65	66	67			68			69		70		71		72
460	13.80	.196											73							
500	15.00	.226	74	75	76	77	78	79			80			81			82			83
560	16.80	.271	84		85		86	87			88			89			90			91
625	18.75	.320	92		93		94	95			96			97			98			99
725	21.75	.395	100		101		102	103			104			105			106			107
880	26.40	.512	108		109		110	111			112			113			114			115
980	29.40	.587	116		117															
1080	32.40	.662			118		119	120			121			122			123			124
1180	35.40	.738					125	126			127			128						129
1245	37.35	.787			130		131	132	133		134	135		136			137			138
1300	39.00	.828			139		140	141	142		143	144		145			146			
1375	41.25	.885			147		148	149	150		151	152		153			154			
1430	42.90	.926			155		156	157	158		159	160		161			162			
1480	44.40	.964	163				164	165	166		167	168		169			170			
1530[a]	45.90	1.001								171	173									
1530[b]	45.90	1.001								172	174									

a OMS POD, INSIDE

b OMS POD, OUTSIDE

a. Orbiter body

Table IV. Pressure Orifice Locations

ORBITER BASE

LOCATION	ORIFICE NUMBERS
ORBITER BASE (INTEGRATED)	1, 2, 3, 4
LEFT MPS NOZZLE BASE	5
UPPER MPS NOZZLE BASE	6
ACPS BASE AREA ON OMS POD	7
OMS NOZZLE BASE	8
OMS POD BASE	9
ORBITER BASE (STING MOUNT)	11, 12, 13, 14
ORBITER STING CAVITY	15, 16

BODY FLAP LWR SURFACE

ORB. STA. ~ X_o		θ ~ DEG	
FULL	MODEL	0	40
1580	47.40	175	176

MPS NOZZLE

X ~ IN. FWD BASE		θ ~ DEG					
FULL	MODEL	0	90	135	180	225	270
25	0.75	181	182	183	184	185	186
50	1.50	187	188	189	190	191	192
75	225		193	194	195	196	197

OMS NOZZLE

X ~ IN FWD BASE		θ ~ DEG		
FULL	MODEL	135	180	225
10	0.30	177	178	179
20	0.60		180	

VERTICAL TAIL

WATER PLANE ~ Z_o				X/C ~ THEORETICAL VERTICAL CHORD							
FULL	MODEL	η_V		0	.05	.15	.30	.52	.65	.775	.90
525	15.75	.079		400							
550	16.50	.158	L	410	411	412	413	414	415	416	
			R		511	512	513	514	515	516	
600	18.00	.316	L	420	421	422	423	424	425	426	427
			R		521	522	523	524	525	526	527
690	20.70	.60	L	430	431	432	433	434	435	436	437
			R		531	532	533	534	535	536	537
765	22.95	.84	L	440	441	442	443	444	445	446	447
			R		541	542	543	544	545	546	547
792	23.76	.925	L	450	451	452	453	454	455	456	457
			R		551	552	553	554	555	556	557

b. Orbiter Base, Body Flap Lower Surface, and Vertical Tail

Table IV. Continued.

ORBITER WING

ORBITER B.P. - Y_o				X/C - THEORETICAL WING CHORD																				
FULL	MODEL	η		-.49	-.35	-.25	-.15	-.033	0.0	.05	.15	.25	.40	.55	.60	.65	.70	.725	.75	.775	.80	.85	.90	.95
140	4.20	.299	U	200	201		202			203		204		205					206			208		209
			L		301		302			303		304		305					306			308		309
170	5.10	.364	U			210	211			212														
			L				311			312														
200	6.00	.427	U					220		221	222		223	224					225		226	227	228	229
			L							321	322		323	324					325		326	327	328	329
250	**7.50**	**.534**	U						230	231	232	233	234	235				236		237		238	239	240
			L							331	332	333	334	335				336		337		338	339	340
315	9.45	.673	U						250	251	252	253	254	255			256			257		258		259
			L							351	352	353	354	355			356			357		358		359
365	10.95	.780	U						260	261	262	263				264			265			266		267
			L							361	362	363				364			365			366		367
415	12.45	.887	U						270	271	272	273	274		275				276				277	
			L							371	372	373	374		376				376				377	

U - UPPER SURFACE L - LOWER SURFACE

η	X/C LOCAL WING CHORD
.299	0, .094, .229, .362, .497, .700, .834, .865, .900 , .965
.364	0, .086, .246
.427	0, .081, .177, .402, .565, .760, .808, .857, .905, .953
.534	SAME AS THEORETICAL CHORD
.673	
.780	
.887	

c. Orbiter Wing

Table IV. Continued.

EXTERNAL TANK

TANK STA ~ XT			θ ~ DEG									
FULL	MODEL	XT/LT	0	30	60	90	120	135	150	165	180	270
316.	9.48	0	610								619	620
317.7	9.53	.001	611			614						
400	12.00	.045	621	622	623	624	625		627		629	
520	15.60	.110	631	632	633	634	635		637	638	639	
640	19.20	.174	641	642	643	644	645		647	648	649	
670	20.10	.191	651	652	653	654	655		657	658	659	
710	21.30	.212	661	662	663	664	665		667	668	669	
750	22.50	.234	671	672	673	674	675	676	677	678	679	
850	25.50	.287	681	682	683	684	685		687	688	689	
950	28.50	.341	691	692	693	694	695	696	697	698	699	
1050	31.50	.395	701	702	703	704	705		707	708	709	
1150	34.50	.449	711	712	713	714	715	716	717		719	
1250	37.50	.503	721	722	723	724	725		727	728	729	
1350	40.50	.557	731	732	733	734	735	736	737		739	
1500	45.00	.637	741	742	743	744	745		747	748	749	
1700	51.00	.745	751	752	753		755	756	757		759	
1900	57.00	.853	761	762	763		765	766	767	768		
2040	61.20	.929	771	772	773	774	775	776	777	778		
STING CAVITY BASE			601 602			603					604	

d. External Tank

Table IV. Continued.

LEFT SRM

SRM STATION ~ XS			θ ~ DEG							
FULL	MODEL	XS/ℓS	0	45	90	135	180	225	270	315
200	6.00	0	810							
260	7.80	.034	811	812	813	814	815	816	817	818
370	11.10	.097	821	822	823	824	825	826	827	828
400	12.00	.114	831	832	833	834	835	836	837	838
450	13.50	.142	841	842	843	844	845	846	847	848
550	16.50	.199	851	852	853	854	855	856	857	858
700	21.00	.284	861		863		865	866	867	868
850	25.50	.370	871		873		875		877	
1050	31.50	.484	881		883		885			
1250	37.50	.597	891		893		895			
1450	43.50	.711	901		903		905		907	
1650	49.50	.825	911		913		915		917	
1750	52.50	.882	921	922	923	924	925	926	927	928
1790	53.70	.904	931	932	933	934	935	936	937	938
1850	55.50	.939	941	942	943	944	945	946	947	948
1900	57.00	.967	951	952	953	954	955	956	957	958
NOZZLE BASE			801							
SKIRT BASE			802		803		804		805	

e. Left SRM

Table IV. Concluded.

Notes:

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

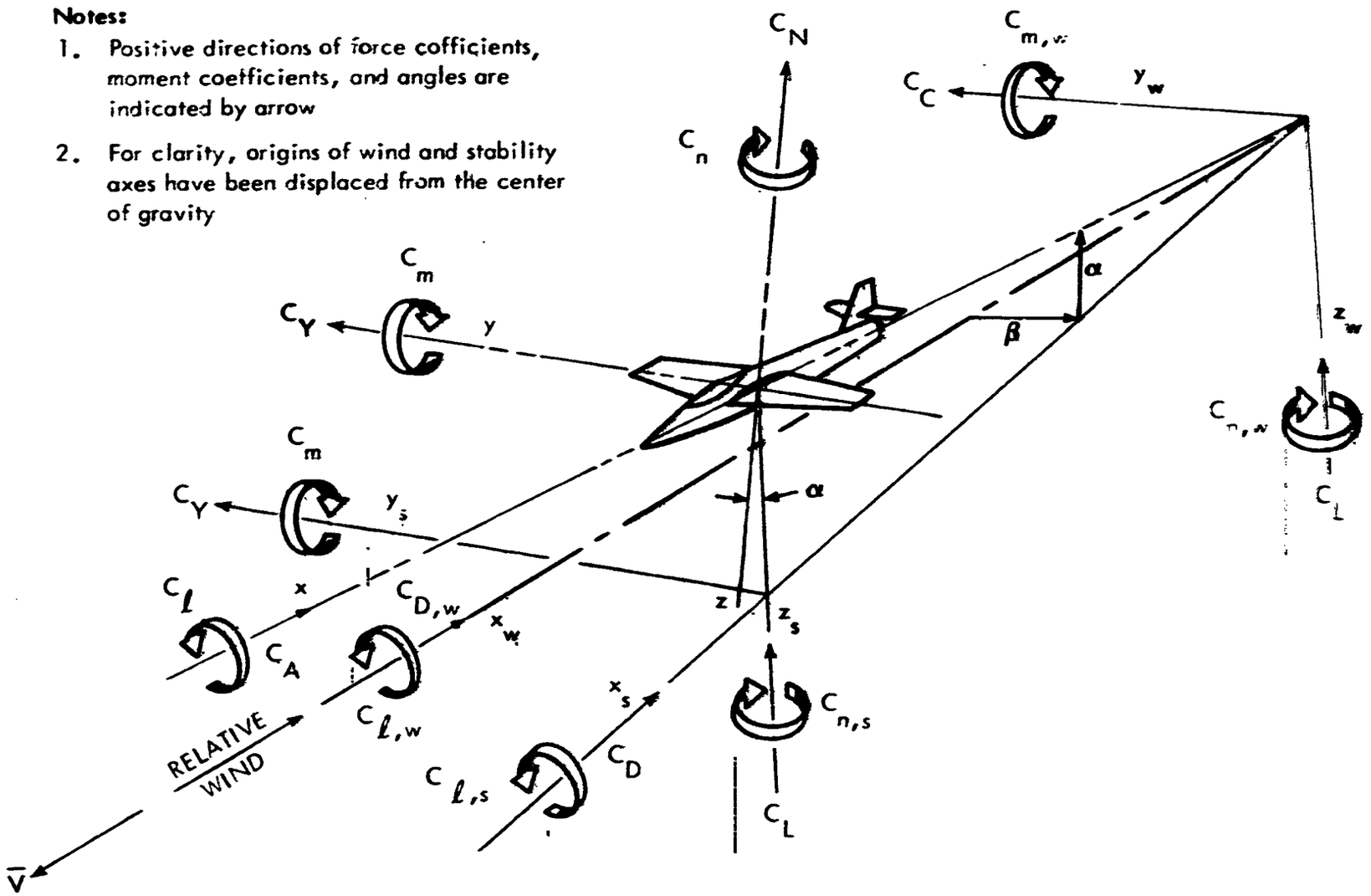
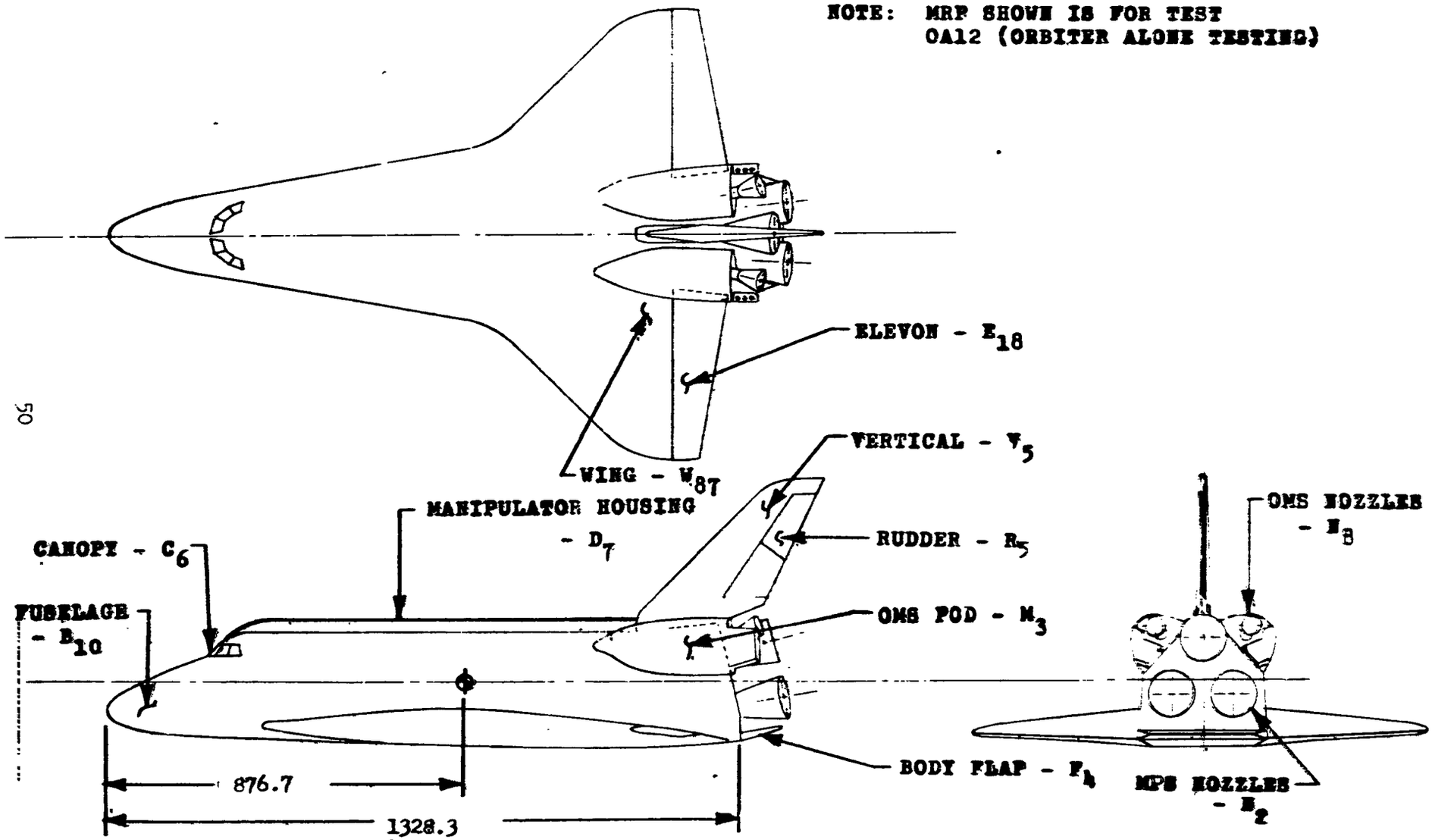
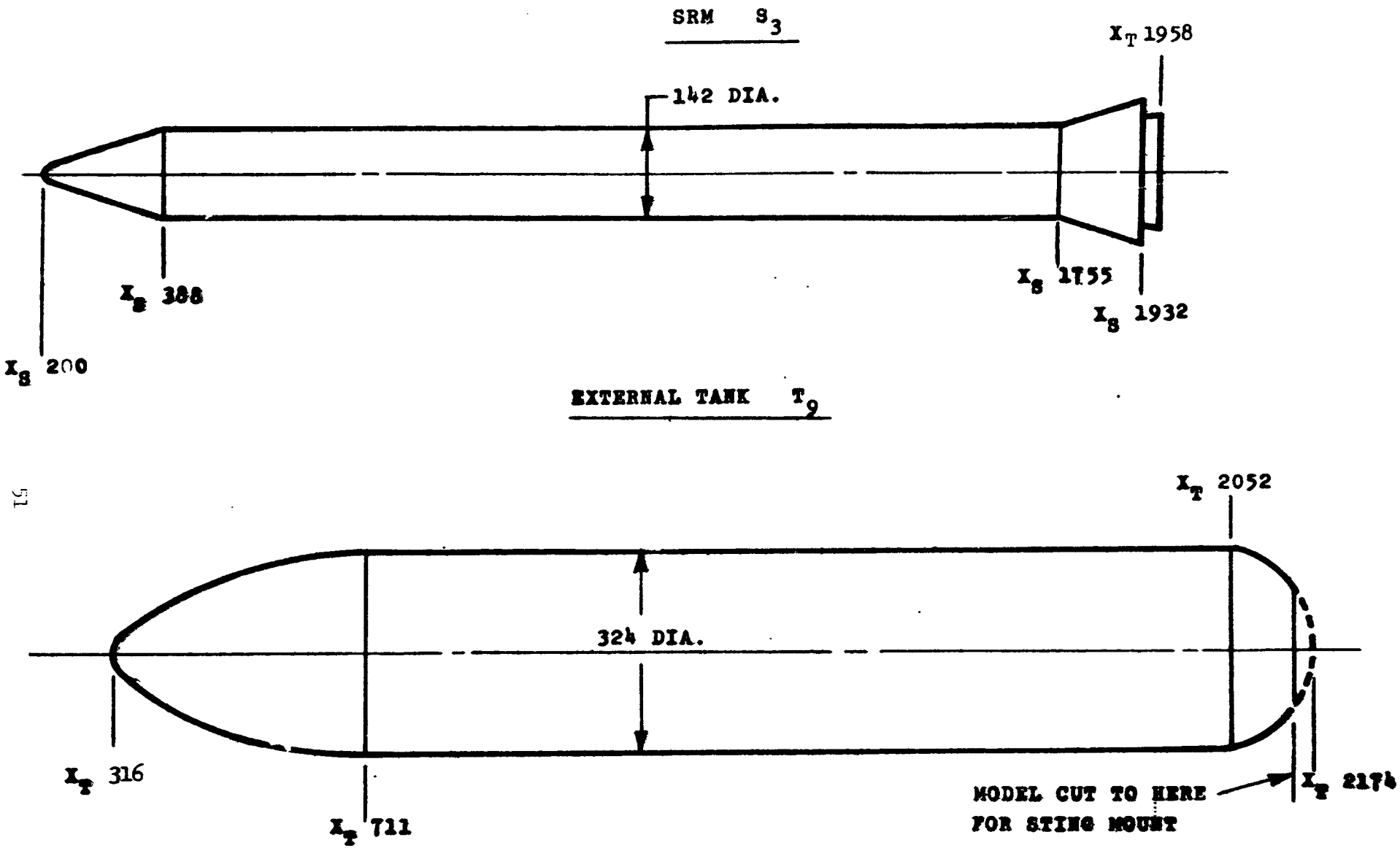


Figure 1. - Axis Systems.



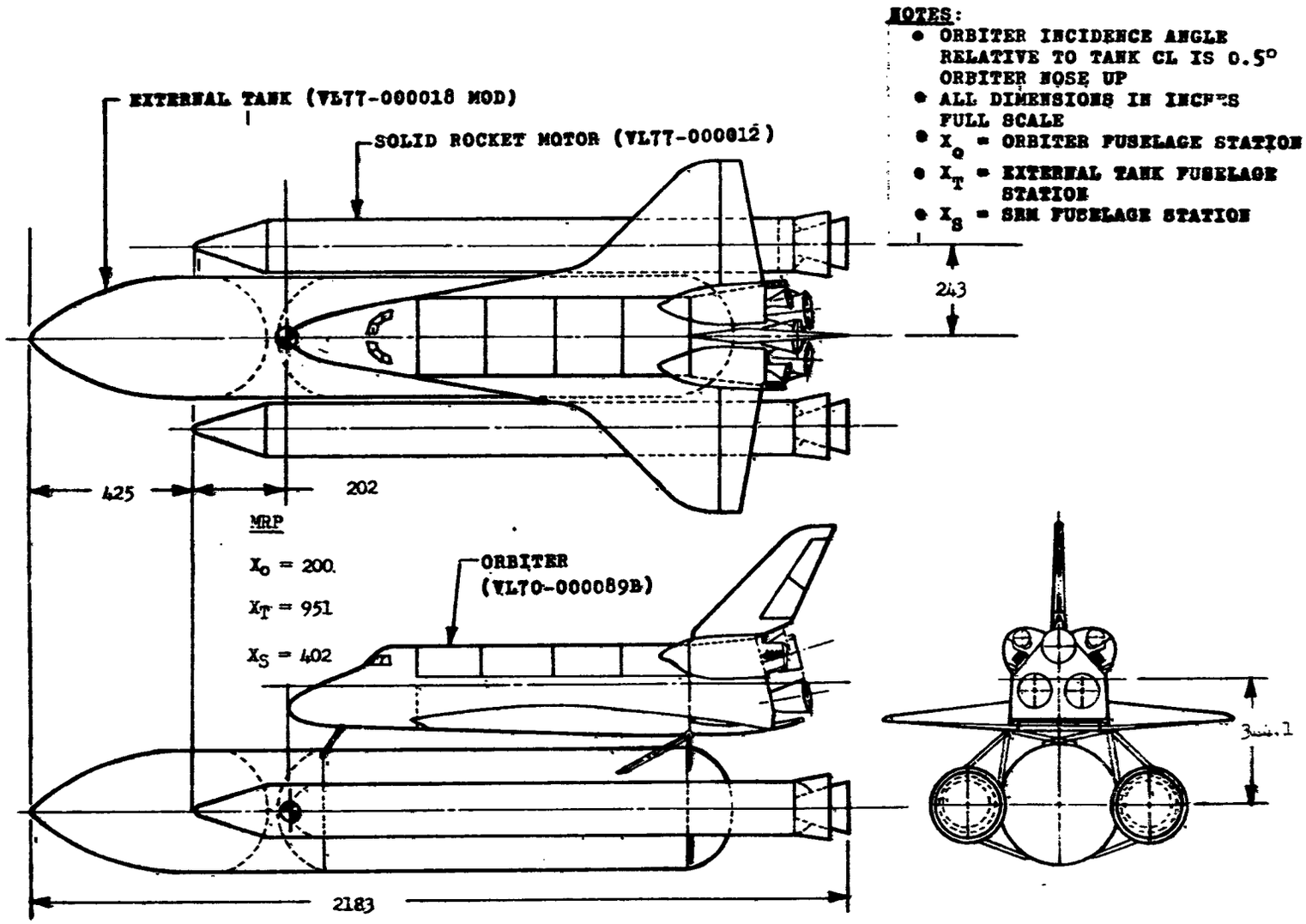
a. Orbiter, O_{24}

Figure 2. - Model Sketches.



b. SRM, S_3, and External Tank, T_9

Figure 2. - Continued.

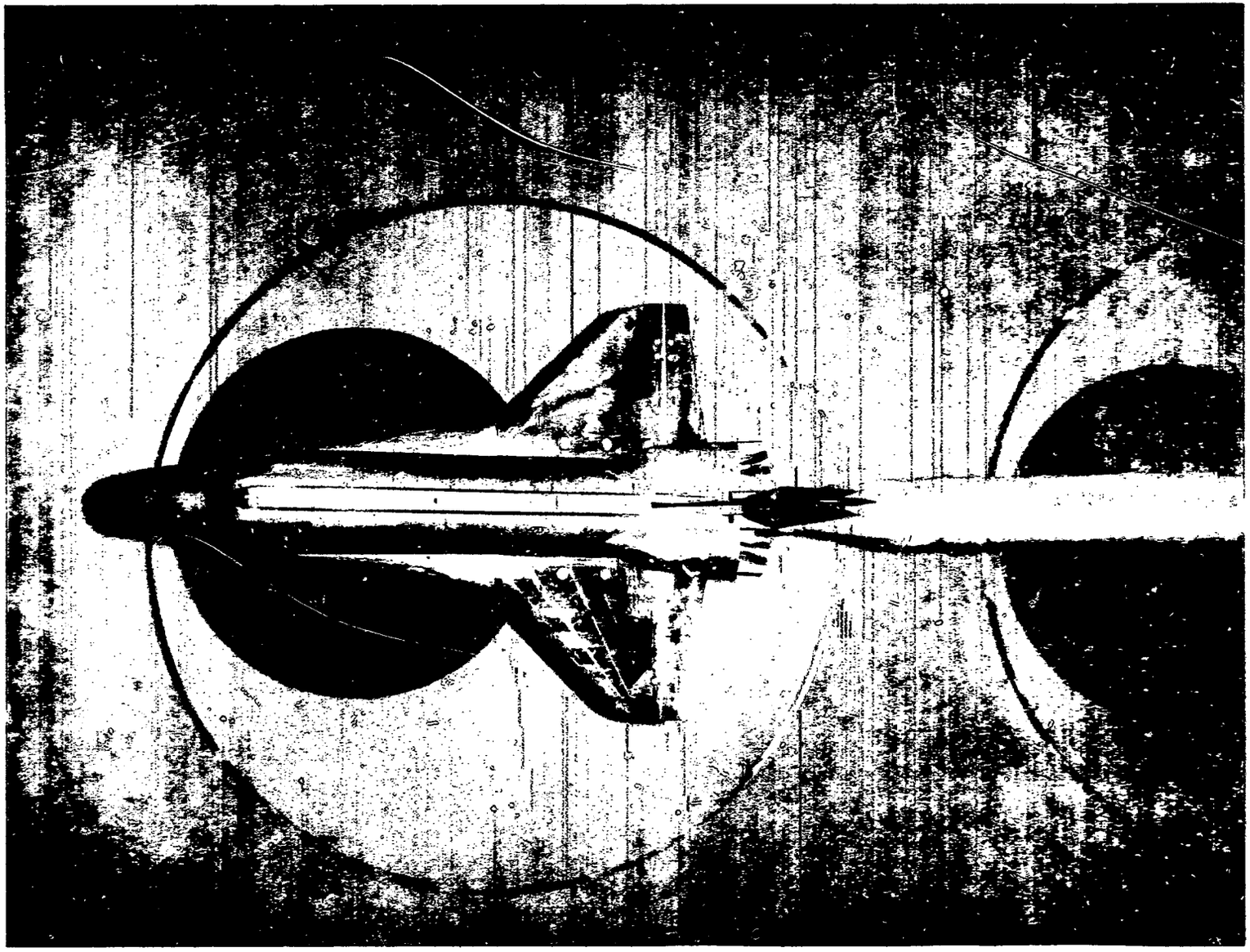


c. Integrated Vehicle

Figure 2. - Concluded.

a. Integrated (Launch) Vehicle Mounted in the ARC 9x7 Ft. Tunnel

Figure 3. - Model Installation Photographs



b. Isolated Orbiter (Entry Configuration) Mounted in the ARC 8x7 Ft. Tunnel
Figure 3. - Concluded

TABULATED PRESSURE DATA

AMES 11-FT OA12 02A LOWER WING (RBFLD1) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5300 INCHES
LREF = 39.9490 INCHES YMRP = .0000 INCHES
BREF = 39.9490 INCHES ZMRP = .0000 INCHES
SCALE = .2500 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) = -4.410

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1270	-.2830	.0850	.1760	.1860	.1290	.1380
.050				-.5330	-.5180	-.5870	-.6570
.081			-.3160				
.086		-.1110					
.094	-.1050						
.150				-.2490	-.2920	-.2900	-.2900
.177			-.2430				
.229	-.0620						
.246		-.1470					
.250				-.2490	-.2210	-.2160	-.2200
.362	-.0680						
.400				-.1840	-.1980		-.2430
.402			-.2050				
.497	-.1690						
.550				-.2730	-.3160		
.565			-.2510				
.600							-.3010
.650						-.3030	
.700	-.2050				-.3460		
.725				-.3150			
.750						-.2840	-.3020
.760			-.3420				
.775				-.2810	-.3010		
.808			-.2470				
.834	-.2430						
.850				-.2530	-.2290	-.2200	
.857			-.2310				
.865	-.2320						
.900	-.1870			-.1620			-.1400
.905			-.1550				
.950				-.0330	-.0250	-.0250	
.953			-.0470				
.965	-.1020						

MACH (1) = .599 ALPHA (2) = .030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0310	.0100	.3030	.5020	.4670	.4650	.3790
.050				-.1530	-.1860	-.1280	-.1280
.081			-.0090				
.086		.0040					
.094	-.0120						

AMES 11-FT OA12 02A LOWER WING (PSPL01)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (2) = .030

Y/BW	.299	.364	.427	.534	.673	.780	.887
Y/CW							
.150				-.0430	-.0530	-.0480	-.0530
.177			-.0530				
.229	.0070						
.246		.0220					
.250				-.1060	-.0720	-.0630	-.0690
.362	.0330						
.400				-.0770	-.0930		-.1610
.402			-.1090				
.497	-.0630						
.550				-.2030	-.2360		
.565			-.1870				
.600							-.2540
.650						-.2540	
.700	-.1460				-.3080		
.725				-.2820			
.750						-.2600	-.2770
.760			-.3240				
.775				-.2660	-.2820		
.808			-.2320				
.834	-.2220						
.850				-.2410	-.2230	-.2150	
.857			-.2240				
.865	-.2160						
.900	-.1800			-.1630			-.1420
.905			-.1530				
.950				-.0810	-.0250	-.0290	
.953			-.0560				
.965	-.1070						

MACH (1) = .600 ALPHA (3) = 5.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3660	-.3130	-.0110	.1530	.0660	-.0940	-.5940
.050				.2060	.2520	.2530	.2480
.081			.2480				
.086		.0390					
.094	.0450						
.150				.1530	.1580	.1610	.1250
.177			.1380				
.229	.0660						
.246		.1630					
.250				.0570	.0930	.1060	.0590
.362	.1270						
.400				.0380	.0290		-.0640
.402			.0140				
.497	.0640						

AMES 11-7U7 OA12 O2A LOWER WING (RSPL01)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (3) = 5.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1060	-.1440		
.565			-.0930				
.600							-.1960
.650						-.1910	
.700	-.0620				-.2490		
.725				-.2260			
.750						-.2180	-.2520
.760			-.2650				
.775				-.2230	-.2420		
.808			-.1860				
.834	-.1720						
.850				-.2220	-.2070	-.2140	
.857			-.1940				
.865	-.1800						
.900	-.1510			-.1550			-.1530
.905			-.1400				
.950				-.0300	-.0370	-.0420	
.953			-.0490				
.965	-.0970						

MACH (1) = .600 ALPHA (4) = 10.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4990	-.4850	-.7430	-.7510	-.9860	-1.2090	-1.7410
.050				.4330	.4630	.4330	.3840
.081			.3880				
.086		-.0010					
.094	.0570						
.150				.3210	.3340	.3270	.2580
.177			.2990				
.229	.0980						
.246		.2490					
.250				.2070	.2410	.2300	.1690
.362	.2020						
.400				.1610	.1520		.0280
.402			.1250				
.497	.1810						
.550				.0030	-.0350		
.565			.0100				
.600							-.1170
.650						-.1180	
.700	.0310				-.1680		
.725				-.1550			
.750						-.1710	-.2080
.760			-.1960				
.775				-.1730	-.1970		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL01)

SECTION (11)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (4) = 10.040

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.808			-.1370				
.834	-.1140						
.850				-.1940	-.1900	-.2100	
.857			-.1560				
.865	-.1310						
.900	-.1100			-.1430			-.2130
.905			-.1270				
.950				-.0270	-.0710	-.1000	
.953			-.0540				
.965	-.0870						

MACH (1) = .598 ALPHA (5) = 15.020

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.8110	-.6260	-1.3380	-1.6160	-1.4870	-1.3270	-1.1640
.050				.5220	.5410	.5030	.4190
.081			.4570				
.086		-.0530					
.094	.1490						
.150				.4360	.4330	.4150	.3160
.177			.4130				
.229	.1390						
.246		.3100					
.250				.3180	.3280	.3070	.2190
.362	.2710						
.400				.2440	.2210		.0560
.402			.2250				
.497	.2860						
.550				.0640	.0210		
.565			.0860				
.600							-.1280
.650						-.1160	
.700	.1060				-.1850		
.725				-.1490			
.750						-.2200	-.2850
.760			-.1720				
.775				-.2000	-.2250		
.808			-.1630				
.834	-.0730						
.850				-.2550	-.2960	-.3530	
.857			-.1720				
.865	-.1090						
.900	-.1100			-.2390			-.4110
.905			-.1670				
.950				-.1630	-.2950	-.4230	
.953			-.1260				

AMES 11-7ft OA12 02A LOWER WING (RBPL01)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHA (5) = 15.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1080						

MACH (1) = .599 ALPHA (6) = 20.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1910	-.9520	-2.0210	-2.3230	-1.5240	-1.2660	-1.1150
.050				.5570	.5590	.5040	.3860
.081			.4880				
.086		-.1320					
.094	.0150						
.150				.5230	.5190	.4360	.3690
.177			.5020				
.229	.1630						
.246		.3470					
.250				.4280	.4250	.3980	.2890
.362	.3270						
.400				.3470	.3180		.1430
.402			.3250				
497	.3750						
.550				.1700	.1140		
.565			.1840				
.600							-.0460
.650						-.0240	
.700	.2040				-.1080		
.725				-.0560			
.750						-.1430	-.2360
.760			-.0830				
.775				-.1340	-.1500		
.808			-.0740				
.834	.0060						
.850				-.2140	-.2550	-.2950	
.857			-.1280				
.865	-.0400						
.900	-.0540			-.2230			-.3520
.905			-.1380				
.950				-.2030	-.3450	-.3950	
.953			-.1140				
.965	-.0860						

MACH (1) = .597 ALPHA (7) = 22.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3940	-1.1360	-2.3330	-1.8580	-1.5210	-1.3770	-1.2240
.050				.5600	.5450	.4920	.3710
.081			.5090				
.086		-.1700					
.094	-.0050						

AMES 11-7X7 OA12 02A LOWER WING (RBFLU1)

SECTION 1 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 ALPHA (7) = 22.59

Y/BW	.299	.364	.427	.534	.673	.790	.887
X/CW							
.150				.5590	.5450	.5190	.4120
.177			.5560				
.229	.1780						
.246		.3740					
.250				.4690	.4560	.4370	.3290
.362	.3710						
.400				.3950	.3590		.2040
.402			.3830				
.497	.4340						
.550				.2190	.1660		
.555			.2370				
.600							.1270
.650						.1290	
.700	.2590				-.0690		
.725				-.0210			
.750						-.0940	-.1350
.760			-.0440				
.775				-.1440	-.1080		
.808			-.0470				
.834	.0450						
.850				-.1990	-.2320	-.2660	
.857			-.1120				
.865	-.0080						
.900	-.0280			-.2250			-.2950
.905			-.1340				
.950				-.2240	-.3690	-.4120	
.953			-.1370				
.965	-.0980						

MACH (2) = .905 ALPHA (1) = -4.56

Y/BW	.299	.354	.427	.534	.673	.781	.887
X/CW							
.000	-.0740	-.2530	.2040	.3750	.3260	.2850	.2410
.050				-.8960	-.8580	-.9080	-.9210
.081			-.2540				
.086		-.0740					
.094	-.0770						
.150				-.2910	-.6450	-.4760	-.5760
.177			-.2790				
.229	-.0230						
.246		-.0720					
.250				-.3170	-.4060	-.3620	-.4020
.362	.0080						
.400				-.2430	-.1920		-.3660
.402			-.3240				
.497	-.1980						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 O2A LOWER WING (FBPL*01

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .905 ALPHA (1) = -4.560

Y/BW	.299	.364	.427	.534	.673	.785	.887
X/CW							
.550				-.3040	-.3780		
.565			-.3090				
.600							-.4651
.650						-.6920	
.700	-.2810				-.5570		
.725				-.5350			
.750						-.5830	-.6311
.760			-.6370				
.775				-.6210	-.6410		
.808			-.5600				
.834	-.4420						
.850				-.4510	-.6540	-.3120	
.857			-.3310				
.865	-.5700						
.900	-.3180			-.1550			-.1420
.905			-.1300				
.950				-.0670	-.0680	-.0300	
.953			-.0530				
.965	-.0620						

MACH (2) = .901 ALPHA (2) = -.010

Y/BW	.299	.364	.427	.534	.673	.785	.887
X/CW							
.000	-.0250	.0290	.3610	.5570	.5110	.4930	.4310
.050				-.1510	-.2560	-.1460	-.1930
.081			.0570				
.086		.0350					
.094	.0120						
.150				-.0260	-.0620	-.0520	-.0820
.177			-.0270				
.229	.0360						
.246		.0820					
.250				-.1130	-.0580	-.0590	-.0800
.362	.0950						
.400				-.0520	-.0680		-.2410
.402			-.1040				
.497	-.0330						
.550				-.2180	-.3210		
.565			-.2090				
.600							-.1[illegible]
.650						-.4320	
.700	-.1610				-.5200		
.725				-.4790			
.750						-.5510	-.6240
.760			-.5720				
.775				-.5670	-.6[illegible]		

AMES 11-7X7 0412 02A LOWER WING (RBFL01)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (2) = -.010

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.808			-.5030				
.834	-.3820						
.850				-.5850	-.2590	-.2130	
.857			-.5770				
.865	-.5230						
.900	-.4500			-.1300			-.1350
.905			-.1210				
.950				-.0030	-.0490	-.0490	
.953			-.0080				
.965	-.0460						

MACH (2) = .904 ALPHA (3) = 4.980

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.000	-.3140	-.2400	.1630	.3890	.2840	.2630	-.1550
.050				.2420	.2500	.2470	.2320
.081			.3080				
.086		.0750					
.094	.0700						
.150				.1870	.1790	.1660	.1220
.177			.1870				
.229	.0960						
.246		.2250					
.250				.0920	.1150	.1320	.0590
.362	.1860						
.400				.0860	.0710		-.1180
.402			.0420				
.497	.1160						
.550				-.1010	-.1960		
.565			-.0840				
.600							-.3240
.650						-.3080	
.700	-.0490				-.3990		
.725				-.3620			
.750						-.4190	-.4680
.760			-.4410				
.775				-.4450	-.4950		
.808			-.4010				
.834	-.2810						
.850				-.5450	-.5490	-.6080	
.857			-.5170				
.865	-.4270						
.900	-.4100			-.4160			-.6280
.905			-.3660				
.950				-.0410	-.1340	-.3030	
.953			-.0350				

AMES 11-707 OA12 OA LOWER WING (RBFL01)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 ALPHA (3) = 4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0770						

MACH (2) = .906 ALPHA (4) = 9.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4450	-.3140	-.2630	.0610	-.0810	-.1570	-.6230
.050				.4590	.4770	.4340	.3390
.081			.4590				
.086		.0660					
.094	.0950						
.150				.3560	.3530	.3440	.2690
.177			.3510				
.229	.1500						
.246		.3240					
.250				.2390	.2530	.2530	.1760
.362	.2710						
.400				.1990	.1670		.0400
.402			.1690				
.497	.24						
.550				.0160	-.0830		
.565			.0280				
.600							-.2340
.650						-.2080	
.700	.0570				-.3030		
.725				-.2590			
.750						-.3120	-.3770
.760			-.3330				
.775				-.3470	-.3790		
.808			-.3130				
.834	-.1990						
.850				-.5050	-.4920	-.5200	
.857			-.4030				
.865	-.3200						
.900	-.3000			-.5690			-.5400
.905			-.4790				
.950				-.5080	-.6410	-.6200	
.953			-.3760				
.965	-.3470						

MACH (2) = .901 ALPHA (5) = 14.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9030	-.4960	-.7400	-.4840	-.5.30	-.510.	-.940
.050				.5970	.5910	.5360	.482
.081			.5490				
.086		.0610					
.094	.1020						

AMES 11-7X7 OA12 02A LOWER WING (RBPL01)

SECTION 1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (5) = 14.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.4890	.4810	.4590	.3580
.177			.4760				
.229	.1990						
.246		.3920					
.250				.3740	.3850	.3620	.2630
.362	.3450						
.400				.3160	.2980		.0940
.402			.2860				
.497	.3570						
.550				.1290	.0360		
.565			.1460				
.600							-.1320
.650						-.0940	
.700	.1660				-.1880		
.725				-.1410			
.757						-.2250	-.3070
.760			-.2150				
.775				-.2540	-.2790		
.808			-.2440				
.834	-.0990						
.850				-.3950	-.3810	-.4240	
.857			-.3110				
.865	-.1830						
.900	-.2130			-.4570			-.4730
.905			-.3930				
.950				-.4780	-.5340	-.5220	
.950			-.4480				
.965	-.4010						

MACH (2) = .900 ALPHA (6) = 20.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1010	-.8360	-1.0860	-.8750	-.8920	-.9770	-1.0040
.050				.6500	.6420	.5740	.4700
.081			.5960				
.086		.0190					
.094	.0920						
.150				.5850	.5750	.5390	.4250
.177			.5760				
.229	.2400						
.246		.4410					
.250				.4830	.4810	.4490	.3400
.362	.4090						
.400				.4170	.3940		.1830
.402			.3940				
.497	.4530						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 02A LOWER WING (RBPL01)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (6) = 20.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2350	.1510		
.565			.2500				
.600							-.0360
.650						.0110	
.700	.2710				-.0780		
.725				-.0280			
.750						-.1240	-.2270
.760			-.0880				
.775				-.1380	-.1450		
.808			-.0950				
.834	.0080						
.850				-.2780	-.2810	-.3270	
.857			-.1930				
.865	-.0740						
.900	-.1130			-.3490			-.3750
.905			-.2770				
.950				-.3460	-.4120	-.4140	
.953			-.3320				
.965	-.3000						

MACH (2) = .902 ALPHA (7) = 25.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2110	-.8480	-1.2220	-1.0670	-.8680	-.6740	-.5510
.050				.6800	.6620	.6010	.4560
.081			.6300				
.086		.0120					
.094	.1280						
.150				.6680	.6530	.6120	.4890
.177			.6600				
.229	.2910						
.246		.4980					
.250				.5850	.5730	.5330	.4161
.362	.4740						
.400				.5190	.4910		.2630
.402			.5000				
.497	.5460						
.550				.3470	.2680		
.565			.3610				
.600							-.0881
.650						.1300	
.700	.3810				-.0510		
.725				.0900			
.750						.0050	-.1280
.760			.0470				
.775				-.0130	-.0180		

AMES 11-FT OA12 OA LOWER WING (RBPL01)

SECTION # 1: LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .952 ALPHA (7) = 25.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
Y/CW							
.808			.0170				
.834	.1260						
.850				-.1520	-.1500	-.1880	
.857			-.0680				
.865	.0450						
.900	.0020			-.2030			-.2130
.905			-.1450				
.950				-.1920	-.2310	-.2340	
.953			-.2040				
.965	-.1880						

AMES 11-7X7 OA12 O2A LOWER WING (RBPL02) [illegible]

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 FLDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0040	-.0470	.3670	.6220	.6390	.6380	.6160
.050				-.2570	-.2200	-.1750	-.2520
.081			-.1500				
.086		-.0370					
.094	-.0850						
.150				-.0890	-.1870	-.0750	-.0590
.177			-.1220				
.229	-.0320						
.246		-.0700					
.250				-.1310	-.0850	-.0660	-.1530
.362	-.0330						
.400				-.1090	-.0990		-.1410
.402			-.1470				
.497	-.1350						
.550				-.2330	-.2460		
.565			-.2300				
.600							-.2540
.650						-.2500	
.700	-.1960				-.3090		
.725				-.2850			
.750						-.2540	-.2360
.760			-.3[illegible]				
.775				-.2620	-.2780		
.808			-.2360				
.834	-.2400						
.850				-.2320	-.2110	-.2130	
.857			-.2230				
.865	-.2240						
.900	-.1660			-.1420			-.1560
.905			-.1410				
.950				-.0170	-.0160	-.0230	
.953			-.0360				
.965	-.0700						

MACH (1) = .598 BETA (2) = -4.960

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0110	.0110	.3440	.5680	.5560	.5150	.4150
.050				-.2120	-.2650	-.1410	-.1870
.081			-.0590				
.086		.0010					
.094	-.0310						

AMES 11-707 OA12 O2A LOWER WING (RBPL02)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -4.990

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.150				-.0610	-.0650	-.0620	-.0540
.177			-.0800				
.229	.0000						
.246		-.0110					
.250				-.1210	-.0730	-.0610	-.0570
.362	.0120						
.400				-.0940	-.0900		-.1500
.402			-.1240				
.497	-.0900						
.550				-.2150	-.2480		
.565			-.2080				
.600							-.2490
.650						-.2560	
.700	-.1670				-.3110		
.725				-.2840			
.750							-.2890
.760			-.3300				
.775				-.2690	-.2860		
.808			-.2330				
.834	-.2370						
.850				-.2400	-.2210	-.2190	
.857			-.2280				
.865	-.2280						
.900	-.1720			-.1540			-.1500
.905			-.1500				
.950				-.0240	-.0210	-.0260	
.953			-.0480				
.965	-.0890						

MACH (1) = .598 BETA (3) = 5.230

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.1140	-.0270	.2430	.4180	.3630	.3360	.2530
.050				-.0940	-.0710	-.0830	-.0870
.081			.0500				
.086		-.0020					
.094	.0000						
.150				-.0240	-.0280	-.0350	-.0640
.177			-.0210				
.229	.0090						
.246		.0450					
.250				-.0940	-.0620	-.0590	-.0680
.362	.0400						
.400				-.0630	-.0810		-.1600
.402			-.0860				
.497	-.0350						

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (PBPL02)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.230

Y/BW	.299		.427	.534	.673	.780	.887
X/CW							
.550				-.1790	-.2250		
.565			-.1560				
.600							-.2460
.650						- 2500	
.700	-.1230				-.2980		
.725				-.2690			
.750						-.2520	-.2690
.760			-.2910				
.775				-.2540	-.2700		
.808			-.2140				
.834	-.2040						
.850				-.2400	-.2180	-.2140	
.857			-.2190				
.865	-.2040						
.900	-.1740			-.1560			-.1340
.905			-.1530				
.950				-.0240	-.0270	-.0240	
.953			-.0550				
.965	-.1150						

MACH (1) = .599 BETA (4) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2130	-.0840	.1220	.3020	.2350	.2210	.1950
.050				-.0240	-.0210	-.0340	-.0510
.081			.0900				
.086		-.0280					
.094	-.0190						
.150				-.0010	-.0110	-.0250	-.0590
.177			.0070				
.229	-.0090						
.246		.0530					
.250				-.0700	-.0540	-.0450	-.0810
.362	.0320						
.400				-.0430	-.0700		-.1550
.402			-.0680				
.497	-.0290						
.550				-.1610	-.2090		
.565			-.1350				
.600							-.1[illegible]
.650						-.2390	
.700	-.1060				-.2750		
.725				-.2480			
.750						-.2410	-.2[illegible]
.760			-.2750				
.775				-.2370	-.2550		

AMES 11-7U7 OA12 C3A LOWER WING (RBPL02)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1990				
.834	-.1890						
.850				-.2270	-.2110	-.2010	
.857			-.1980				
.865	-.2010						
.900	-.1740			-.1490			-.1210
.905			-.1470				
.950				-.0830	-.0270	-.0220	
.953			-.0570				
.965	-.1240						

MACH (2) = .904 BETA (1) =-10.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0060	-.0390	.4480	.7140	.6960	.6870	.6630
.050				-.3130	-.5560	-.5260	-.4220
.081			-.1280				
.086		-.0120					
.094	-.0770						
.150				-.0610	-.0960	-.0720	-.0740
.177			-.1270				
.229	-.0050						
.246		-.0230					
.250				-.1410	-.0690	-.0460	-.0620
.362	.0280						
.400				-.0770	-.0560		-.1870
.402			-.1390				
.497	-.1300						
.550				-.2540	-.3240		
.565			-.2640				
.600							-.3750
.650						-.4140	
.700	-.2280				-.5270		
.725				-.5040			
.750						-.5190	-.5740
.760			-.6310				
.775				-.5830	-.6190		
.808			-.5480				
.834	-.4710						
.850				-.4170	-.3020	-.3880	
.857			-.3700				
.865	-.7130						
.900	-.2200			-.1290			-.2200
.905			-.0900				
.950				-.0210	-.0200	-.0430	
.953			.0100				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (RBPLU2)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0100						

MACH (2) = .901 BETA (2) = -5.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0230	.0300	.4170	.6370	.6050	.5910	.5560
.050				-.1990	-.3780	-.2270	-.2970
.081			-.0100				
.086		.0240					
.094	-.0130						
.150				-.0360	-.0690	-.0580	-.0760
.177			-.0660				
.229	.0300						
.246		.0520					
.250				-.1210	-.0590	-.0480	-.0730
.362	.0840						
.400				-.0600	-.1500		-.2170
.402			-.1190				
.497	-.0630						
.550				-.2300	-.3220		
.565			-.2280				
.600							-.4150
.650						-.4230	
.700	-.1840				-.5240		
.725				-.4910			
.750						-.5410	-.5880
.760			-.6020				
.775				-.5830	-.6080		
.808			-.5110				
.834	-.4120						
.850				-.5380	-.2770	-.2920	
.857			-.5250				
.865	-.7290						
.900	-.3190			-.1300			-.1450
.905			-.1030				
.950				-.0160	-.0550	-.0530	
.953			.0080				
.965	-.0420						

MACH (2) = .903 BETA (3) = 5.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1130	-.0020	.2920	.4710	.4110	.3950	.3180
.050				-.0820	-.1420	-.1280	-.1470
.081			.1000				
.086		.0340					
.094	.0290						

AMES 11-FT OA12 02A LOWER WING (REPL02)

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = 5.250	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.150				-.0120	-.0500	-.0430	-.0870
	.177			.0020				
	.229	.0420						
	.246		.0970					
	.250				-.1020	-.0530	-.0630	-.1120
	.362	.0880						
	.400				-.0440	-.0690		-.2570
	.402			-.0950				
	.497	-.0100						
	.550				-.1990	-.3010		
	.565			-.1850				
	.600							-.4660
	.650						-.4410	
	.700	-.1430				-.5030		
	.725				-.4580			
	.750						-.5420	-.6330
	.760			-.5010				
	.775				-.5210	-.5900		
	.808			-.4560				
	.834	-.3120						
	.850				-.5740	-.2590	-.1660	
	.857			-.5270				
	.865	-.6410						
	.900	-.3920			-.1320			-.1060
	.905			-.1460				
	.950				-.0070	-.0330	-.0430	
	.953			-.0160				
	.965	-.0780						

MACH (2) = .905 BETA (4) = 10.500	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.1410	-.0230	.1900	.3720	.3040	.2900	.1890
	.050				.0010	-.0280	-.0720	-.1020
	.081			.1530				
	.086		.0060					
	.094	.0120						
	.150				.0050	-.0280	-.0370	-.0920
	.177			.0390				
	.229	.0200						
	.246		.1000					
	.250				-.0840	-.0490	-.0650	-.1250
	.362	.0670						
	.400				-.0350	-.0680		-.2690
	.402			-.0720				
	.497	.0040						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 02A LOWER WING (RBFLU2)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (4) = 10.500

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1810	-.2940		
.565			-.1570				
.600							-.4850
.650						-.4340	
.700	-.1310				-.4850		
.725				-.4360			
.750						-.5290	-.6390
.760			-.4560				
.775				-.4860	-.5770		
.808			-.4420				
.834	-.2830						
.850				-.5610	-.4080	-.2030	
.857			-.5330				
.865	-.5670						
.900	-.3640			-.1690			-.0820
.905			-.2120				
.950				-.0210	-.0210	-.0240	
.953			-.0620				
.965	-.1260						

DATE 18 ... TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 O2A LOWER WING RERUN ...

REFERENCE DATA

SREF =	...4200 SQ.FT.	XMRP =	28.5300 INCHES
LREF =	...8490 INCHES	YMRP =	.0000 INCHES
BREF =	38.8490 INCHES	ZMRP =	.0000 INCHES
SCALE =	...0 SCALE		

PARAMETRIC DATA

ALPHA =	5.000	RUDDER =	...
ELEVON =	.000	RUDFLR =	...

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) =-10.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0220	.0680	.3450	.5650	.4290	.3390	-.1410
.050				.1590	.2190	.2480	.2720
.081			.1950				
.086		.1190					
.094	.0680						
.150				.1370	.1600	.1770	.1570
.177			.0990				
.229	.0890						
.245		.1470					
.250				.0630	.1190	.1320	.1120
.362	.1160						
.400				.0320	.0430		-.0120
.402			-.0190				
.497	.0080						
.550				-.1290	-.1450		
.565			-.1370				
.600							-.1560
.650						-.1900	
.700	-.1170				-.2420		
.725				-.2260			
.750						-.2170	-.2390
.760			-.2860				
.775				-.2220	-.2330		
.808			-.2000				
.834	-.2040						
.850				-.2080	-.1900	-.2140	
.857			-.1950				
.865	-.1930						
.900	-.1440			-.1370			-.1620
.905			-.1250				
.950				-.0100	-.0270	-.0320	
.953			-.0330				
.965	-.0660						

MACH (1) = .599 BETA (2) = -4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1740	-.1230	.1670	.3680	.2240	.1530	-.2930
.050				.1970	.2470	.2560	.2660
.081			.2330				
.086		.0910					
.094	.0660						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (PSTL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -4.99U

Y/BW	.299	.364	.427	.534	.673	.75U	.897
X/CW							
.15U				.147U	.173U	.171U	.159U
.177			.126U				
.229	.083U						
.246		.165U					
.25U				.055U	.101U	.122U	.087U
.362	.131U						
.41U				.033U	.040U		-.034U
.402			-.003U				
.497	.045U						
.55U				-.114U	-.146U		
.565			-.113U				
.6[illegible]							-.075U
.65U						-.179U	
.7[illegible]	-.087U				-.249U		
.725				-.225U			
.75U						-.210U	-.247U
.76U			-.275U				
.775				-.223U	-.244U		
.808			-.194U				
.834	-.186U						
.85U				-.217U	-.207U	-.206U	
.857			-.196U				
.865	-.185U						
.91U	-.146U			-.146U			-.169U
.905			-.138U				
.95U				-.021U	-.035U	-.039U	
.953			-.043U				
.965	-.078U						

MACH (1) = .598 BETA (3) = 5.19U

Y/BW	.299	.364	.427	.534	.673	.75U	.897
X/CW							
.00U	-.351U	-.283U	-.189U	-.044U	-.213U	-.332U	-.325U
.05U				.214U	.239U	.225U	.212U
.081			.241U				
.085		-.029U					
.094	.003U						
.15U				.149U	.153U	.142U	.133U
.177			.139U				
.229	.026U						
.246		.143U					
.25U				.05[illegible]	.07[illegible]	.07[illegible]	.07[illegible]
.362	.098U						
.41U				.041U	.02[illegible]		-.01[illegible]
.402			.016U				
.497	.064U						

AXES 11-707 0412 034 LOWER WING (REPLOT)

SECTION 11 LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.19

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				-.1950	-.1440		
.565			-.1770				
.600							-.2030
.650						-.1960	
.700	-.0490				-.2400		
.725				-.2150			
.750						-.2210	-.2470
.760			-.2520				
.775				-.2160	-.2420		
.808			-.1770				
.834	-.1650						
.850				-.2140	-.2070	-.2030	
.857			-.1940				
.865	-.1790						
.900	-.1550			-.1520			-.1550
.905			-.1460				
.950				-.0810	-.0400	-.0460	
.953			-.0620				
.965	-.1150						

MACH (1) = .598 BETA (4) = 10.300

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.3880	-.2370	-.3370	-.3410	-.4590	-.6780	-1.4290
.050				.2150	.2410	.2160	.1670
.081			.2340				
.086		-.0940					
.094	-.0470						
.150				.1470	.1450	.1320	.0670
.177			.1510				
.229	-.0170						
.246		.1130					
.250				.0590	.0710	.0500	-.0010
.362	.0600						
.400				.0500	.0230		-.1130
.402			.0280				
.497	.0610						
.550				-.0820	-.1330		
.565			-.0560				
.600							-.2150
.650						-.1910	
.700	-.0310				-.2350		
.725				-.1990			
.750						-.2120	-.2430
.760			-.2320				
.775				-.2040	-.2320		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 02A LOWER WING (RBFL03)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.300

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.008			-.1670				
.834	-.1460						
.850				-.2070	-.1980	-.1970	
.857			-.1800				
.865	-.1680						
.900	-.1560			-.1410			-.1510
.905			-.1470				
.950				-.0380	-.0460	-.0450	
.953			-.0670				
.965	-.1250						

MACH (2) = .904 BETA (1) =-10.210

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	.0120	.1050	.4650	.7100	.6290	.6340	.4190
.050				.1680	.2110	.2390	.2420
.081			.2420				
.086		.1500					
.094	.0640						
.150				.1850	.1840	.1950	.1720
.177			.1370				
.229	.1170						
.246		.2080					
.250				.0760	.1430	.1450	.1280
.362	.1920						
.400				.0660	.0870		-.0410
.402			.0690				
.497	.0540						
.550				-.1380	-.1390		
.565			-.1420				
.600							-.2590
.650						-.2930	
.700	-.1150				-.3980		
.725				-.3910			
.750						-.4180	-.4440
.760			-.5090				
.775				-.4970	-.4790		
.808			-.4240				
.834	-.3260						
.850				-.5590	-.5530	-.6110	
.857			-.5390				
.865	-.6550						
.900	-.2840			-.1960			-.1800
.905			-.1440				
.950				.0080	-.0200	-.0710	
.953			.0360				

(RBPLOT)

SECTION 1 LOWER WING — DEPENDENT VARIABLE CP

MACH (2) = .914 BETA (1) =-10.210	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.965	-.0580						
MACH (2) = .900 BETA (2) = -5.070	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.048	-.2030	-.0760	.3110	.5570	.4580	.4420	.1780
	.050				.2110	.2510	.2480	.2420
	.081			.2320				
	.086		.1210					
	.094	.0860						
	.150				.1910	.1950	.1890	.1460
	.177			.1650				
	.229	.1160						
	.246		.2260					
	.250				.0770	.1300	.1380	.0940
	.362	.2060						
	.400				.0760	.0820		-.0750
	.402			.0290				
	.497	.0950						
	.550				-.1150	-.1950		
	.565			-.1100				
	.600							-.2870
	.650						-.3090	
	.700	-.0760				-.4070		
	.725				-.3800			
	.750						-.4160	-.4670
	.760			-.4660				
	.775				-.4680	-.4910		
	.808			-.3660				
	.834	-.2730						
	.850				-.5390	-.5510	-.5960	
	.857			-.5760				
	.865	-.6630						
	.900	-.3740			-.3760			-.6090
	.905			-.1960				
	.950				-.0290	-.0890	-.2140	
	.953			.0040				
	.965	-.0560						
MACH (2) = .901 BETA (3) = 5.250	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.2980	-.1880	-.0160	.2180	.1000	.0610	-.3160
	.050				.2400	.2420	.2280	.2040
	.081			.3030				
	.086		.0170					
	.094	.0350						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL03)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = 5.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1780	.1740	.1600	.0860
.177			.1895				
.229	.0640						
.246		.1980					
.250				.0730	.1060	.1040	.0240
.362	.1510						
.400				.0780	.0580		-.1370
.402			.0450				
.497	.1150						
.550				-.0890	-.1830		
.565			-.0680				
.600							-.3580
.650						-.3200	
.700	-.0390				-.3880		
.725				-.3620			
.750						-.4330	-.5060
.760			-.3890				
.775				-.4060	-.4920		
.808			-.3810				
.834	-.2300						
.850				-.5360	-.5340	-.6130	
.857			-.5170				
.865	-.5780						
.900	-.3890			-.5170			-.6510
.905			-.4310				
.950				-.0850	-.2120	-.3840	
.953			-.0850				
.965	-.1350						

MACH (2) = .904 BETA (4) = 10.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3470	-.1640	-.1370	.0080	-.1090	-.1600	-.5660
.050				.2350	.2500	.2050	.1750
.081			.2850				
.086		-.0490					
.094	-.0110						
.150				.1710	.1600	.1500	.0660
.177			.1940				
.229	.0240						
.246		.1550					
.250				.0760	.0930	.0750	-.0070
.362	.1040						
.400				.0790	.0490		-.1670
.402			.0490				
.497	.1080						

TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 LEA LOWER WING (RBPL03)

DEPENDENT VARIABLE CP

MACH (2) = .804 BETA (4) = 10.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.077U	-.170U		
.565			-.050U				
.600							-.380U
.650						-.326U	
.700	-.027U				-.374U		
.725				-.326U			
.750						-.427U	-.514U
.760			-.350U				
.775				-.401U	-.464U		
.808			-.383U				
.834	-.206U						
.850				-.566U	-.540U	-.620U	
.857			-.424U				
.865	-.507U						
.900	-.336U			-.364U			-.672U
.905			-.329U				
.950				-.099U	-.169U	-.292U	
.953			-.101U				
.965	-.178U						

AMES 11-7X7 OA12 O2A LOWER WING (RBPL504) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4520	-.6090	-.2620	-.1860	-.4290	-.6190	-1.3840
.050				.4860	.5410	.5450	.5320
.081			.4530				
.086		.1850					
.094	.1730						
.150				.3590	.3860	.3930	.3610
.177			.3160				
.229	.1940						
.246		.3240					
.250				.2340	.2870	.3010	.2660
.362	.2670						
.400				.1670	.1960		.1120
.402			.1180				
.497	.1660						
.550				-.0440	-.0240		
.565			-.0150				
.600							-.0640
.650						-.0790	
.700	-.0070				-.1610		
.725				-.1470			
.750						-.1370	-.1760
.760			-.2110				
.775				-.1620	-.1720		
.808			-.1450				
.834	-.1300						
.850				-.1770	-.1660	-.1800	
.857			-.1510				
.865	-.1330						
.900	-.1010			-.1180			-.1600
.905			-.1010				
.950				-.0150	-.0470	-.0660	
.953			-.0150				
.965	-.0490						

MACH (1) = .598 BETA (2) = -5.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4480	-.5860	-.5870	-.5240	-.7350	-.9460	-1.7210
.050				.4800	.5130	.4990	.4690
.081			.4330				
.086		.0820					
.094	.1230						

AMES 11-707 OA12 CRA LOWER WING (RBFL04)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -5.020

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.150				.3520	.3690	.3660	.3120
.177			.3140				
.229	.1490						
.246		.2980					
.250				.2280	.2660	.2720	.2200
.362	.2400						
.400				.1700	.1810		.0710
.402			.1320				
.497	.1840						
.550				.0620	-.0330		
.565			.0000				
.600							-.0930
.650						-.0960	
.700	.0220				-.1710		
.725				-.1460			
.750						-.1570	-.1990
.760			-.2060				
.775				-.1700	-.1870		
[illegible]			-.1430				
.834	-.1190						
.850				-.1830	-.1840	-.1970	
.857			-.1550				
.865	-.1320						
.900	-.1090			-.1320			-.1990
.905			-.1150				
.950				-.0260	-.0600	-.0870	
.953			-.0300				
.965	-.0710						

MACH (1) = .596 BETA (3) = 5.170

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.6080	-.4370	-.8410	-1.0870	-1.2960	-1.5990	-2.3330
.050				.3840	.4090	.3590	.3000
.081			.3400				
.086		-.0990					
.094	-.0170						
.150				.2950	.3020	.2880	.2110
.177			.2810				
.229	.0430						
.246		.1950					
.250				.1970	.2130	.1970	.1190
.362	.1500						
.400				.1570	.1390		-.0110
.402			.1280				
.497	.1690						

AMES 11-707 OA12 02A LOWER WING (RBPL04)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (3) = 5.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0670	-.0430		
.565			.0260				
.600							-.1440
.650						-.1240	
.700	.0430				-.1760		
.725				-.1480			
.750						-.1770	-.2140
.760			-.1870				
.775				-.1700	-.1890		
.808			-.1350				
.834	-.1000						
.850				-.1920	-.1870	-.2050	
.857			-.1530				
.865	-.1280						
.900	-.1200			-.1410			-.1910
.905			-.1320				
.950				-.1440	-.0730	-.0980	
.953			-.0650				
.965	-.1090						

MACH (1) = .597 BETA (4) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6820	-.4320	-.8940	-1.4320	-1.6040	-1.9350	-2.3550
.050				.3170	.3280	.2850	.2140
.081			.2840				
.086		-.1830					
.094	-.1040						
.150				.2620	.2620	.2470	.1520
.177			.2560				
.229	-.0310						
.246		.1300					
.250				.1830	.1760	.1620	.0770
362	.0820						
.400				.1530	.1190		-.0460
.402			.1220				
.497	.1380						
.550				.0090	-.0470		
.565			.0310				
.600							-.1650
.650						-.1300	
.700	.0440				-.1750		
.725				-.1430			
.750						-.1750	-.2240
.760			-.1710				
.775				-.1620	-.1920		

AMES 11-7X7 OA12 02A LOWER WING (RBPLU4)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1340				
.834	-.0830						
.850				-.1940	-.1880	-.2070	
.857			-.1520				
.865	-.1170						
.900	-.1230			-.1480			-.1940
.905			-.1350				
.950				-.0640	-.0840	-.1030	
.953			-.0710				
.965	-.1180						

MACH (2) = .902 BETA (1) =-10.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4390	-.4580	.1580	.4420	.3500	.2960	-.0940
.050				.4870	.5170	.5140	.5030
.081			.4950				
.086		.2410					
.094	.1840						
.150				.3840	.3960	.3970	.3520
.177			.3510				
.229	.2290						
.246		.3860					
.250				.2560	.3060	.3110	.2690
.362	.3370						
.400				.2660	.2250		.1010
.402			.1530				
.497	.2150						
.550				-.0060	-.0650		
.565			-.0100				
.600							-.1350
.650						-.1580	
.700	.0040				-.2960		
.725				-.2740			
.750						-.2660	-.3100
.760			-.3350				
.775				-.3450	-.3580		
.808			-.2880				
.834	-.1690						
.850				-.4720	-.4640	-.4850	
.857			-.5210				
.865	-.6220						
.900	-.3340			-.5520			-.4710
.905			-.5390				
.950				-.2410	-.6060	-.5690	
.953			-.0560				

AMES 11-7X7 OA12 O2A LOWER WING (RBPL04)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1950						

MACH (2) = .900 BETA (2) = -5.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3950	-.3970	-.0790	.2230	.1440	.0770	-.3570
.050				.4820	.4920	.4810	.4550
.081			.4890				
.086		.1530					
.094	.1540						
.150				.3760	.3730	.3700	.3050
.177			.3570				
.229	.1930						
.246		.3660					
.250				.2520	.2850	.2820	.2220
.362	.3170						
.400				.2050	.2090		.0520
.402			.1620				
.497	.2410						
.550				.0060	-.0610		
.565			.0150				
.600							-.1870
.650						-.1820	
.700	.0400				-.3010		
.725				-.2590			
.750						-.2760	-.3390
.760			-.3080				
.775				-.3230	-.3620		
.808			-.2830				
.834	-.1490						
.850				-.4930	-.4720	-.5060	
.857			-.5260				
.865	-.6180						
.900	-.3240			-.5890			-.5140
.905			-.5300				
.950				-.4420	-.6290	-.6060	
.953			-.1730				
.965	-.1610						

MACH (2) = .902 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5260	-.3100	-.4060	-.2320	-.3190	-.4300	-.6220
.050				.4210	.4270	.3780	.3310
.081			.4140				
.086		-.0180					
.094	.0240						

AMES 11-7X7 OA12 02A LOWER WING (RBPL004)

SECTION (11)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3270	.3220	.3050	.2180
.177			.3340				
.229	.1060						
.246		.2620					
.250				.2200	.2360	.2160	.1290
.362	.2140						
.400				.1930	.1700		-.0390
.402			.1630				
.497	.2280						
.550				.0180	-.0680		
.565			.0410				
.600							-.2680
.650						-.2180	
.700	.0660				-.2940		
.725				-.2390			
.750						-.3330	-.4160
.760			-.2860				
.775				-.3350	-.3860		
.808			-.3270				
.834	-.1350						
.850				-.5260	-.4970	-.5400	
.857			-.4120				
.865	-.5140						
.900	-.3180			-.5760			-.5830
.905			-.4640				
.950				-.5390	-.6690	-.6430	
.953			-.4490				
.965	-.3720						

MACH (2) = .907 BETA (4) = 10.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5940	-.3340	-.5110	-.5160	-.5740	-.7130	-.9720
.050				.3700	.3660	.3110	.2510
.081			.3580				
.086		-.1140					
.094	-.0480						
.150				.2980	.2800	.2620	.1660
.177			.3110				
.229	.0260						
.246		.1890					
.250				.2050	.2020	.1810	.0740
.362	.1340						
.400				.1820	.1450		-.0860
.402			.1520				
.497	.1960						

AMES 11-7U7 OA12 02A LOWER WING (RBPL004)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .907 BETA (4) = 10.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0170	-.0690		
.565			.0450				
.600							-.2360
.650						-.2220	
.700	.0690				-.2890		
.725				-.2360			
.750						-.3540	-.4460
.760			-.2770				
.775				-.3410	-.3960		
.808			-.3310				
.834	-.1220						
.850				-.4960	-.5060	-.5540	
.857			-.3270				
.865	-.4550						
.900	-.2680			-.4850			-.6110
.905			-.3990				
.950				-.3490	-.5130	-.6150	
.953			-.3210				
.965	-.3260						

DATE 15 SEP 70 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 C2A LOWER WING (REF) 61 10 MAY 70

REFERENCE DATA

SREF = 2.421 SQ.FT. XMRP = 28.5300 INCHES
LREF = 19.845 INCHES YMRP = .0000 INCHES
BREF = 19.845 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.... RUDDER = ...
ELEVON = ... RUDDLP = ...

SECTION / 17LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4850	-.6650	-1.0350	-.9550	-1.0140	-1.2310	-1.4450
.050				.5630	.6910	.6590	.6270
.081			.5770				
.086		.1860					
.094	.2250						
.150				.5110	.5340	.5130	.4910
.177			.4620				
.229	.2680						
.245		.4340					
.250				.3770	.4120	.4060	.3550
.362	.3730						
.400				.2780	.2950		.1890
.402			.2320				
.497	.2910						
.550				.0620	.0550		
.565			.0750				
.600							-.0230
.650						-.0490	
.700	.0790				-.1550		
.725				-.1130			
.750						-.1350	-.1990
.760			-.1720				
.775				-.1710	-.1940		
.808			-.1280				
.834	-.0860						
.850				-.2090	-.2550	-.2940	
.857			-.1630				
.865	-.1070						
.900	-.0950			-.1880			-.3390
.905			-.1380				
.950				-.1020	-.2490	-.3570	
.953			-.0860				
.965	-.0670						

MACH (1) = .598 BETA (2) = -5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6670	-.5960	-1.2560	-1.3030	-1.2700	-1.3470	-1.2630
.050				.6090	.6310	.5920	.5210
.081			.5250				
.086		.0660					
.094	.1450						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 O2A LOWER WING (REPLOT)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -5.000

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.150				.4810	.4840	.4740	.3910
.177			.4410				
.229	.2120						
.246		.3910					
.250				.3560	.3760	.3620	.2690
.362	.3360						
.400				.2700	.2660		.1240
.402			.2320				
.497	.2990						
.550				.0820	.0360		
.565			.0810				
.600							-.0330
.650						-.0610	
.700	.1660				-.0720		
.725				-.1260			
.750						-.1950	-.2460
.760			-.1720				
.775				-.1890	-.2100		
.800			-.1350				
.834	-.0730						
.850				-.2430	-.2800	-.3370	
.857			-.1670				
.885	-.1060						
.900	-.0970			-.2250			-.3640
.905			-.1570				
.950				-.2510	-.2850	-.4140	
.953			-.1130				
.965	-.0820						

MACH (1) = .596 BETA (3) = 5.180

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.000	-.9490	-.6780	-1.4390	-1.9700	-1.7740	-1.4140	-1.1660
.050				.4420	.4490	.4110	.3160
.081			.3770				
.086		-.1810					
.094	-.0670						
.150				.3660	.3550	.3330	.1490
.177			.3730				
.229	.0460						
.246		.2210					
.250				.2900	.2910	.2640	.1090
.362	.1940						
.400				.2320	.1990		.0110
.402			.2070				
.497	.2490						

[illegible] 11-TOP OA12 [illegible] LOWER WING [illegible]

SECTION [illegible] LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .595 BETA (3) = 5.180

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				.0670	.1440		
.565			.0660				
.600							-.1650
.650						-.1300	
.700	.1080				-.1890		
.725				-.1360			
.750						-.2270	-.2980
.760			-.1610				
.775				-.1900	-.2240		
.808			-.1340				
.834	-.0670						
.850				-.2600	-.2930	-.3180	
.857			-.1740				
.865	-.1050						
.900	-.1130			-.2310			-.4190
.905			-.1730				
.950				-.1720	-.2740	-.3840	
.953			-.1290				
.965	-.1250						

MACH (1) = .600 BETA (4) = 10.290

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-1.0670	-.7260	-1.3550	-2.3230	-2.0440	-1.3580	-.9910
.050				.3430	.3430	.2990	.1650
.081			.2990				
.086		-.3160					
.094	-.1850						
.150				.3360	.3310	[illegible]	.1710
.177			.3320				
.229	-.0510						
.246		.1440					
.250				.2590	.2560	.2130	.0920
.362	.1130						
.400				.2160	.1790		-.0280
.432			.2010				
.497	.2100						
.550				.0620	-.0090		
.565			.0940				
.600							-.1630
.650						-.1370	
.700	.1120				-.1840		
.725				-.1270			
.750						-.2720	-.3150
.760			-.1330				
.775				-.1760	-.2090		

AMES 11-707 OA12 O2A LOWER WING [illegible]

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (4) = 10.290

Y/BW	.299	.364	.427	.534	.673	[illegible]	[illegible]
X/CW							
.808			-.1110				
.834	-.0570						
.850				-.2350	[illegible]	-.322[illegible]	
.857			-.1850				
.865	-.0960						
.900	-.1120			-.2260			[illegible]
.915			-.1550				
.950				[illegible]	[illegible]	[illegible]	
.953			[illegible]				
.965	-.1270						

MACH (2) = .904 BETA (1) =-10.200

Y/BW	.299	.364	.427	.534	.673	[illegible]	[illegible]
X/CW							
.000	-.4780	-.4190	-.3110	.1450	[illegible]	[illegible]	[illegible]
.050				.5630	.6390	[illegible]	[illegible]
.081			.5450				
.086		.2670					
.094	.2610						
.150				.5490	[illegible]	[illegible]	[illegible]
.177			.5150				
.229	.3190						
.246		.5100					
.250				.4160	[illegible]	.445[illegible]	[illegible]
.362	.4540						
.400				.334[illegible]	[illegible]		[illegible]
.402			[illegible]				
.497	.3600						
.550				.124[illegible]	[illegible]		
.565			[illegible]				
.600							[illegible]
.650						[illegible]	
.700	.1250				[illegible]		
.725				-.142[illegible]			
.750						[illegible]	[illegible]
.760			-.2190				
.775				-.264[illegible]	[illegible]		
.806			-.2290				
.834	-.0830						
.850				-.394[illegible]	[illegible]	[illegible]	
.857			-.4630				
.865	-.5490						
.900	-.1960			[illegible]			[illegible]
.915			[illegible]				
.950				[illegible]	[illegible]	[illegible]	
.953			[illegible]				

AMES 11-7U7 OA12 O2A LOWER WING (REPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3490						

MACH (2) = .902 BETA (2) = -5.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.7510	-.4420	-.5490	-.2220	-.2650	-.3700	-.7050
.050				.6430	.6580	.6110	.5570
.081			.6055				
.086		.1630					
.094	.1890						
.150				.5220	.5250	.5070	.4260
.177			.5030				
.229	.2650						
.246		.4570					
.250				.3980	.4210	.4050	.3260
.362	.4090						
.400				.3280	.3290		.1530
.452			.2950				
.497	.3680						
.550				.1260	.1660		
.565			.1360				
.600							-.0780
.650						-.1690	
.700	.1540				-.1810		
.725				-.1360			
.750						-.1960	-.2690
.760			-.2010				
.775				-.2590	-.2680		
.808			-.2410				
.834	-.0650						
.850				-.4300	-.3720	-.4180	
.857			-.3550				
.865	-.5110						
.900	-.1870			-.4910			-.4380
.905			-.3750				
.950				-.4650	-.5590	-.4970	
.953			-.4300				
.965	-.3690						

MACH (2) = .904 BETA (3) = 5.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0760	-.5630	-.7930	-.7390	-.7440	-.8650	-.9420
.050				.5100	.5090	.4450	.3610
.081			.4750				
.086		-.0680					
.094	.0030						

AMES 11-707 OA12 OBA LOWER WING (RDFLOS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (3) = 5.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.4390	.4290	.3960	.2880
.177			.4120				
.229	.1190						
.246		.3070					
.250				.3400	.3310	.3100	.2000
.362	.2620						
.400				.2930	.2650		.1440
.402			.2720				
.497	.3180						
.550				.1190	.0860		
.565			.1410				
.600							-.1860
.650						-.1210	
.700	.1640				-.2910		
.725				-.1450			
.750						-.2560	-.3510
.750			-.1970				
.775				-.2560	-.3030		
.808			-.2360				
.834	-.0590						
.850				-.4070	-.3990	-.4380	
.857			-.2860				
.865	-.4210						
.900	-.1940			-.4640			-.5140
.905			-.3880				
.950				-.4630	-.5380	-.5450	
.953			-.4540				
.965	-.4000						

MACH (2) = .904 BETA (4) = 10.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1450	-.5690	-.8050	-.9540	-.9820	-.9340	-.8440
.050				.4280	.4140	.3460	.2450
.081			.3940				
.086		-.1850					
.094	-.0980						
.150				.3890	.3720	.3350	.2130
.177			.4000				
.229	.0270						
.246		.2140					
.250				.3040	.2920	.2570	.1350
.362	.1590						
.400				.2720	.2320		-.0020
.402			.2520				
.497	.2760						

DATE 18 SEP 73 TABULATED PRESSURE DATA - C-12A

AMES 11-7X7 OA12 O2A LOWER WING (RBPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (4) = 10.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1090	.0300		
.565			.1370				-.2250
.600						-.1490	
.650					-.2030		
.700	.1570			-.1430			
.725						-.2680	-.3750
.750			-.1970				
.760				-.2900	-.3070		
.775			-.1900				
.808							
.834	-.0540			-.3930	-.3860	-.4460	
.850			-.2580				
.857							
.865	-.5730			-.4550			-.5440
.900	-.1920		-.3680				
.905				-.4490	-.5200	-.5520	
.950			-.4430				
.953							
.965	-.3790						

AMES 11-707 OA12 OEA LOWER WING (RBPL06) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7840	-.7180	-1.6770	-1.6510	-1.4300	-1.3460	-1.3180
.050				.7350	.7490	.7150	.6360
.081			.6750				
.086		.1810					
.094	.2650						
.150				.6210	.6270	.6110	.5340
.177			.6010				
.229	.3500						
.246		.5340					
.250				.4900	.5150	.4970	.4280
.362	.4850						
.400				.3830	.3850		.2660
.462			.3610				
.497	.4310						
.550				.1800	.1930		
.565			.1910				
.600							.0500
.650						.0320	
.700	.1950				-.0770		
.725				-.0490			
.750						-.0980	-.1260
.760			-.0990				
.775				-.1270	-.1270		
.808			-.0620				
.834	-.0080						
.850				-.2030	-.2340	-.2660	
.857			-.1330				
.865	-.0420						
.900	.0500			-.2270			-.3070
.905			-.1340				
.950				-.2060	-.3290	-.3840	
.953			-.1210				
.965	-.0700						

MACH (1) = .597 BETA (2) = -4.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0140	-.8510	-1.9660	-2.0260	-1.6340	-1.4740	-1.3070
.050				.6680	.6730	.6100	.5110
.081			.5820				
.086		.0180					
.146	.1420						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (RBPL06)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .397 BETA (2) = -4.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5900	.5900	.5460	.4500
.177			.5520				
.229	.2630						
.246		.4440					
.250				.4720	.4790	.4420	.3560
.362	.4090						
.400				.3720	.3630		.2010
.402			.3450				
.497	.4120						
.550				.1820	.1290		
.565			.1860				
.600							-.0040
.650						-.0040	
.700	.2020				-.1000		
.725				-.0510			
.750						-.1270	-.1630
.760			-.0950				
.775				-.1330	-.1470		
.808			-.0860				
.834	.0000						
.850				-.2110	-.2480	-.2880	
.857			-.1270				
.865	-.0480						
.900	-.0570			-.2290			-.3340
.905			-.1370				
.950				-.2240	-.3520	-.3940	
.953			-.1220				
.965	-.0840						

MACH (1) = .397 BETA (3) = 5.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-1.3460	-1.0450	-1.9900	-2.5650	-1.6830	-1.3290	-1.1970
.050				.4490	.4370	.3780	.2450
.081			.3940				
.086		-.2900					
.094	-.1250						
.150				.4650	.4510	.4080	.2760
.177			.4590				
.229	.0580						
.246		.2530					
.250				.3820	.3710	.3260	.2010
.362	.2350						
.400				.3240	.2870		.0750
.402			.3110				
.497	.3370						

AMES 11-7D7 OA12 OEA LOWER WING (RBPLUG)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .897 BETA (3) = 5.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1550	.0920		
.565			.1650				
.600							-.0020
.650						-.0550	
.700	.2040				-.1170		
.725				-.0560			
.750						-.1630	50
.760			-.0690				
.775				-.1230	-.1500		
.800			-.0600				
.834	.0080						
.850				-.2000	-.2500	-.3080	
.857			-.1110				
.869	-.0340						
.900	-.0550			-.2070			-.3850
.905			-.1220				
.930				-.1640	-.3380	-.4110	
.953			-.0750				
.965	-.0660						

MACH (1) = .900 BETA (4) = 10.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4340	-1.0590	-1.9270	-2.0830	-1.6800	-1.4190	-1.1770
.050				.3190	.3050	.2440	.0850
.081			.2900				
.100		-.4360					
.104	-.2590						
.150				.3940	.3750	.3230	.1770
.177			.3970				
.229	-.0810						
.248		.1480					
.250				.3390	.3110	.2610	.1180
.302	.1280						
.400				.2910	.2410		.0040
.402			.2810				
.497	.2700						
.550				.1440	.0710		
.565			.1760				
.600							-.1500
.650						-.0810	
.700	.1920				-.1350		
.725				-.0560			
.750						-.1810	-.2690
.780			-.0640				
.775				-.1160	-.1590		

AMES 11-707 OA12 OEA LOWER WING (RBPLUG)

SECTION (2)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.818			-.0550				
.834	.0180						
.850				-.1850	-.2580	-.3180	
.857			-.0980				
.885	-.1310						
.900	-.1520			-.1920			-.4180
.905			-.1130				
.950				-.1570	-.3710	-.4240	
.953			-.1520				
.965	-.1640						

MACH (2) = .902 BETA (3) =-10.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.6700	-.3140	-.7950	-.3870	-.4020	-.5320	-.8450
.050				.7950	.8180	.7650	.7100
.081			.7410				
.088		.2880					
.094	.3130						
.150				.6740	.6820	.6620	.5820
.177			.6420				
.229	.4080						
.246		.5990					
.250				.5460	.5720	.5360	.4810
.302	.5530						
.400				.4500	.4630		.3130
.462			.4130				
.497	.4850						
.550				.2480	.2010		
.580			.2390				
.600							.1020
.650						.0770	
.700	.2440				-.0490		
.725				-.1230			
.750						-.0590	-.1170
.780			-.1020				
.775				-.1470	-.1170		
.818			-.1300				
.834	.0100						
.850				-.2870	-.2540	-.2720	
.857			-.2330				
.885	-.3000						
.900	-.0850			-.3410			-.2950
.905			-.2800				
.950				-.3300	-.3090	-.3440	
.953			-.2950				

AMES 11-7X7 GA12 CRA LOWER WING (REPLIED)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (1) =-10.110

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.988	-.2540						

MACH (2) = .900 BETA (2) = -5.080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.9100	-.6870	-1.0560	-.8540	-.6840	-.7720	-.9760
.050				.7320	.7330	.6770	.5890
.101			.6780				
.106		.1580					
.194	.2180						
.150				.8340	.6310	.6180	.5480
.177			.6180				
.229	.3310						
.248		.5280					
.290				.5210	.5290	.5050	.4780
.382	.6930						
.400				.4410	.4340		.2480
.402			.4110				
.497	.4880						
.550				.2650	.1960		
.585			.2510				
.650							.0220
.650						.1430	
.710	.2870				-.1430		
.725				-.1240			
.750						-.1090	-.1780
.780			-.1010				
.775				-.1440	-.1320		
.800			-.1260				
.834	.1030						
.850				-.2020	-.2690	-.3010	
.857			-.2140				
.865	-.2720						
.910	-.1080			-.3390			-.3310
.905			-.2880				
.950				-.3430	-.4020	-.3820	
.953			-.3180				
.965	-.2720						

MACH (2) = .904 BETA (3) = 5.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.2880	-.8570	-1.0540	-1.0730	-.9950	-.9450	-.9140
.050				.5490	.5410	.4670	.3540
.101			.5110				
.106		-.1090					
.194	-.0330						

AMES 11-FT OA12 CEA LOWER WING (RBPLUS)

SECTION 1 (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (3) = 5.260

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.5240	.5070	.4690	.3450
.177			.5320				
.229	.1490						
.248		.3440					
.250				.4410	.4250	.3910	.2670
.362	.3150						
.400				.3910	.3560		.1280
.402			.3760				
.497	.4080						
.550				.2220	.1420		
.565			.2450				
.600							-.0850
.650						-.0220	
.700	.2840				-.0890		
.725				-.0350			
.750						-.1470	-.2740
.780			-.0650				
.775				-.1390	-.1600		
.800			-.1030				
.854	.0420						
.850				-.2830	-.2940	-.3450	
.857			-.1820				
.865	-.2350						
.900	-.0980			-.3410			-.4140
.905			-.2690				
.950				-.3330	-.4170	-.4270	
.953			-.3320				
.985	-.3010						

MACH (2) = .905 BETA (4) = 10.430

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.3570	-.8920	-1.0540	-1.2480	-1.0170	-.9090	-.9120
.050				.4470	.4220	.3500	.2170
.081			.4100				
.088		-.2350					
.094	-.1390						
.150				.4580	.4350	.3690	.2550
.177			.4700				
.229	.0410						
.248		.2390					
.250				.3950	.3650	.3180	.1880
.362	.1990						
.400				.3570	.3100		.0640
.402			.3420				
.497	.3440						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA LOWER WING (RBPLU6)

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .965 BETA (4) = 10.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1980	.1210		
.565			.2300				-.1320
.600						-.0510	
.650					-.1040		
.700	.2470			-.0440			
.725						-.1710	-.3070
.750							
.760			-.0830				
.775				-.1480	-.2810		
.808			-.0930				
.834	.0410						
.850				-.2850	-.2990	-.3500	
.857			-.1690				
.865	-.2200						
.900	-.1050			-.3390			-.4550
.905			-.2740				
.950				-.3110	-.4070	-.4350	
.953			-.3200				
.965	-.2890						

AMES 11-7D7 OA12 02A LOWER WING (RBFLD7) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0110	-.0180	.3640	.6040	.6090	.6070	.5700
.050				-.2250	-.2480	-.1510	-.2260
.081			-.1140				
.086		-.0250					
.094	-.0630						
.150				-.0760	-.0880	-.0700	-.0650
.177			-.1060				
.229	-.0240						
.246		-.0490					
.250				-.1320	-.0890	-.0700	-.0630
.362	-.0190						
.400				-.1050	-.0940		-.1500
.402			-.1430				
.497	-.1230						
.550				-.2310	-.2560		
.565			-.2280				
.600							-.2590
.650						-.2620	
.700	-.1920				-.3130		
.725				-.2920			
.750						-.2640	-.2960
.760			-.3370				
.775				-.2710	-.2890		
.808			-.2420				
.834	-.2420						
.850				-.2370	-.2190	-.2170	
.857			-.2280				
.865	-.2370						
.900	-.1740			-.1540			-.1600
.905			-.1490				
.950				-.0230	-.0180	-.0280	
.953			-.0470				
.965	-.0790						

MACH (1) = .800 BETA (2) = -3.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0040	.0040	.3340	.5520	.5360	.5350	.4770
.050				-.2130	-.2530	-.2080	-.1860
.081			-.0570				
.086		-.0080					
.094	-.0350						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA LOWER WING (RBPL07)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .640 BETA (2) = -3.5

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0680	-.0670	-.0630	-.0590
.177			-.0810				
.229	-.0060						
.246		-.0060					
.250				-.1240	-.0790	-.0690	-.0650
.362	.0100						
.400				-.0940	-.0880		-.1530
.402			-.1280				
.497	-.0900						
.550				-.2190	-.2610		
.565			-.2070				
.640							-.2520
.650						-.2600	
.700	-.1730				-.3180		
.725				-.2890			
.750						-.2660	-.2950
.760			-.3330				
.775				-.2740	-.2900		
.808			-.2340				
.834	-.2380						
.850				-.2440	-.2270	-.2210	
.857			-.2360				
.865	-.2350						
.900	-.1810			-.1580			-.1590
.905			-.1590				
.950				-.0280	-.0290	-.0260	
.953			-.0530				
.965	-.0950						

MACH (1) = .800 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0370	.0010	.2950	.4940	.4630	.4590	.3790
.050				-.1620	-.1940	-.1410	-.1390
.081			-.0150				
.086		.0000					
.094	-.0140						
.150				-.0520	-.0590	-.0530	-.0650
.177			-.0620				
.229	.0010						
.246		.0140					
.250				-.1150	-.0780	-.0700	-.0710
.362	.0220						
.400				-.0850	-.0880		-.1690
.402			-.1120				
.497	-.0630						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OBA LOWER WING (RBPLOT)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2080	-.2520		
.565			-.1940				
.600							-.2630
.650						-.2640	
.700	-.1520				-.3160		
.725				-.2920			
.750						-.2640	-.2860
.760			-.3220				
.775				-.2730	-.2960		
.808			-.2330				
.834	-.2250						
.850				-.2570	-.2340	-.2270	
.857			-.2330				
.865	-.2320						
.900	-.1850			-.1680			-.1530
.905			-.1670				
.950				-.0380	-.0350	-.0310	
.953			-.0660				
.965	-.1100						

MACH (1) = .599 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1090	-.0270	.2480	.4230	.3790	.3760	.2760
.050				-.1100	-.1880	-.0920	-.1030
.081			.0350				
.086		-.0060					
.094	-.0060						
.150				-.0380	-.0490	-.0430	-.0740
.177			-.0350				
.229	.0070						
.246		.0330					
.250				-.1030	-.0720	-.0690	-.0800
.362	.0320						
.400				-.0730	-.0820		-.1680
.452			-.0980				
.497	-.0460						
.550				-.2060	-.2360		
.565			-.1750				
.600							-.2510
.650						-.2590	
.700	-.1400				-.3030		
.725				-.2840			
.750						-.2630	-.2770
.760			-.3090				
.775				-.2690	-.2840		

AMES 11-7D7 OA12 O2A LOWER WING (RBPLD7)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2230				
.834	-.2110						
.850				-.2530	-.2280	-.2220	
.857			-.2270				
.865	-.2170						
.900	-.1900			-.1710			-.1430
.905			-.1640				
.950				-.0360	-.0370	-.0350	
.953			-.0680				
.965	-.1210						

MACH (1) = .597 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1800	-.0690	.1730	.3470	.2830	.2740	.1290
.050				-.0520	-.0550	-.0510	-.0620
.081			.0690				
.086		-.0200					
.094	-.0120						
.150				-.0170	-.0320	-.0280	-.0620
.177			-.0090				
.229	-.0020						
.246		.0460					
.250				-.0830	-.0630	-.0620	-.0840
.362	.0310						
.400				-.0590	-.0770		-.1670
.402			-.0800				
.497	-.0320						
.550				-.1760	-.2170		
.565			-.1520				
.600							-.2490
.650						-.2510	
.700	-.1160				-.2910		
.725				-.2630			
.750						-.2560	-.2640
.760			-.2870				
.775				-.2530	-.2680		
.808			-.2160				
.834	-.1930						
.850				-.2420	-.2180	-.2130	
.857			-.2090				
.865	-.2160						
.900	-.1850			-.1600			-.1340
.905			-.1590				
.950				-.0390	-.0310	-.0290	
.953			-.0630				

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7FT OA12 O2A LOWER WING (RBFL07)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1240						

MACH (2) = .902 BETA (1) = -8.090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0200	-.0120	.4390	.6780	.6800	.6480	.6140
.050				-.2360	-.4840	-.3010	-.4040
.081			-.0680				
.086		.0070					
.094	-.0510						
.150				-.0560	-.0870	-.0720	-.0810
.177			-.1020				
.229	.0070						
.246		.0100					
.250				-.1290	-.0690	-.0480	-.0700
.362	.0490						
.400				-.0710	-.0650		-.2000
.402			-.1340				
.497	-.0990						
.550				-.2460	-.3140		
.565			-.2550				
.600							-.3940
.650						-.4210	
.700	-.2150				-.5330		
.725				-.5010			
.750						-.5300	-.5850
.760			-.6.20				
.7[illegible]				-.5860	-.6230		
.808			-.5470				
.834	-.4640						
.850				-.4580	-.2770	-.3490	
.857			-.3990				
.865	-.6110						
.900	-.2430			-.1200			-.1860
.905			-.1010				
.950				-.0170	-.0300	-.0440	
.953			.0030				
.965	-.0150						

MACH (2) = .901 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0170	.0230	.4040	.5240	.5870	.5700	.5240
.050				-.2100	-.3620	-.2550	-.2840
.081			-.0090				
.086		.0300					
.094	-.0100						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 OEA LOWER WING (RBPL07)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0380	-.0730	-.0580	-.0810
.177			-.0640				
.229	.0330						
.246		.0520					
.250				-.1240	-.0620	-.0520	-.0760
.362	.0020						
.400				-.0580	-.0710		-.2210
.402			-.1200				
.497	-.0600						
.550				-.2300	-.3100		
.565			-.2290				
.600							-.4260
.650						-.4250	
.700	-.1630				-.5240		
.725				-.4870			
.750						-.5650	-.5930
.760			-.6120				
.775				-.5780	-.6130		
.808			-.5290				
.834	-.4220						
.850				-.5570	-.2670	-.2750	
.857			-.4840				
.865	-.5810						
.900	-.3470			-.1330			-.1370
.905			-.1020				
.950				-.0210	-.0340	-.0560	
.953			-.0030				
.965	-.0230						

MACH (2) = .903 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0240	.0300	.3620	.5580	.5090	.4960	.4340
.050				-.1510	-.2520	-.1390	-.2190
.081			.0500				
.086		.0350					
.094	.0120						
.150				-.0230	-.0610	-.0490	-.0820
.177			-.0330				
.229	.0390						
.246		.0830					
.250				-.1110	-.0660	-.0590	-.0900
.362	.0910						
.400				-.0510	-.0690		-.2380
.402			-.1060				
.497	-.0520						

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 02A LOWER WING (RBPL07)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = .190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2180	-.3060		
.565			-.2090				
.600							-.4430
.650						-.4320	
.700	-.1620				-.5200		
.725				-.4770			
.750						-.5480	-.6170
.760			-.5780				
.775				-.5640	-.6110		
.808			-.4960				
.834	-.3780						
.850				-.5550	-.2490	-.2020	
.857			-.5800				
.865	-.5420						
.900	-.4260			-.1280			-.1200
.905			-.1150				
.950				-.0130	-.0400	-.0450	
.953			-.0120				
.965	-.0430						

MACH (2) = .902 BETA (4) = 4.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0930	-.0040	.3050	.4860	.4320	.4170	.3360
.050				-.0960	-.1760	-.1580	-.1740
.081			.0950				
.086		.0300					
.094	.0210						
.150				-.0170	-.0580	-.0500	-.0940
.177			-.0080				
.229	.0390						
.246		.0940					
.250				-.1130	-.0620	-.0650	-.1080
.362	.0870						
.400				-.0500	-.0740		-.2560
.402			-.0970				
.497	-.0160						
.550				-.2090	-.3030		
.565			-.1920				
.600							-.4670
.650						-.4440	
.700	-.1510				-.5110		
.725				-.4660			
.750						-.5480	-.6400
.760			-.5420				
.775				-.5470	-.6000		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA LOWER WING (RSPLD7)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.4690				
.834	-.3570						
.850				-.3550	-.2470	-.1670	
.857			-.5700				
.865	-.4980						
.900	-.4130			-.1270			-.1040
.905			-.1430				
.950				-.0170	-.0400	-.0380	
.953			-.0110				
.965	-.0780						

MACH (2) = .905 BETA (5) = 8.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1310	-.0140	.2170	.4150	.3500	.3320	.2340
.050				-.0440	-.0820	-.1100	-.1190
.081			.1290				
.086		.0200					
.094	.0250						
.150				-.0040	-.0410	-.0430	-.0930
.177			.0240				
.229	.0330						
.246		.1030					
.250				-.0910	-.0870	-.07[illegible]	.1180
.362	.0820						
.400				-.0450	-.0740		-.2660
.402			-.0800				
.497	-.0010						
.550				-.1930	-.2850		
.565			-.1690				
.600							-.4030
.650						-.4420	
.700	-.1360				-.4910		
.725				-.4490			
.750						-.5390	-.6230
.760			-.4990				
.775				-.5120	-.5820		
.808			-.4470				
.834	-.3230						
.850				-.5360	-.3180	-.1690	
.857			-.4890				
.865	-.4800						
.900	-.3790			-.1360			-.0740
.905			-.1710				
.950				-.0040	-.0150	-.0070	
.953			-.0350				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 OEA LOWER WING (RBPLD7)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (5) = 0.445

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0990						

AMES 11-7UT OA12 OEA LOWER WING (RAPLUG) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .U3UU SCALE

PARAMETRIC DATA

ALPHA = 5.UUU RUDDER = -10.UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .8EU BETA (1) = -0.U4U

Y/BW	.299	.384	.427	.534	.673	.781	.887
X/CW							
.UUU	-.U34U	-.U12U	.27UU	.4U2U	.327U	.263U	-.123U
.U5U				.183U	.234U	.255U	.278U
.U81			.223U				
.U86		.112U					
.U94	.U76U						
.15U				.151U	.171U	.179U	.157U
.177			.119U				
.229	.U95U						
.246		.15UU					
.25U				.U68U	.1U6U	.12UU	.1U4U
.362	.132U						
.4UU				.U29U	.U61U		-.U23U
.4U2			-.U1U3				
.497	.U28U						
.55U				-.125U	-.149U		
.565			-.125U				
.6U4							-.167U
.65U						-.192U	
.71U	-.U99U				-.244U		
.725				-.232U			
.75U						-.214U	-.242U
.78U			-.2U1U				
.775				-.227U	-.239U		
.8U8			-.19UU				
.834	-.187U						
.85U				-.218U	-.23U	-.24UU	
.897			-.2U2U				
.9U5	-.192U						
.91U	-.147U			-.14U4			-.164U
.9U5			-.132U				
.95U				-.U15U	-.U29U	-.U59U	
.953			-.U38U				
.985	-.U72U						

MACH (1) = .89U BETA (2) = -3.97U

Y/BW	.299	.384	.427	.534	.673	.781	.887
X/CW							
.UUU	-.213U	-.173U	.12UU	.3U8U	.178U	.195U	-.34UU
.U5U				.199U	.243U	.251U	.265U
.U81			.241U				
.U86		.U82U					
.U94	.U65U						

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OPA LOWER WING (RDPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -5.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1480	.1660	.1650	.1410
.177			.1270				
.229	.0820						
.246		.1640					
.250				.0510	.0950	.1150	.0780
.362	.1310						
.400				.0310	.0430		-.0420
.402			-.0430				
.497	.0830						
.550				-.1170	-.1470		
.565			-.1110				
.600							-.1820
.650						-.1680	
.700	-.0780				-.2480		
.725				-.2520			
.750						-.2160	-.2450
.760			-.2750				
.775				-.2250	-.2460		
.800			-.1950				
.904	-.1820						
.850				-.2220	-.2090	-.2120	
.857			-.2010				
.865	-.1920						
.900	-.1540			-.1550			-.1700
.905			-.1400				
.950				-.0280	-.0370	-.0470	
.953			-.0470				
.965	-.0850						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3650	-.3240	-.0020	.1690	.0130	-.0830	-.0050
.050				.2040	.2440	.2440	.2500
.081			.2440				
.088		.0390					
.094	.0430						
.150				.1540	.1580	.1580	.1210
.177			.1350				
.229	.0630						
.246		.1600					
.250				.0500	.1030	.1070	.0840
.362	.1210						
.400				.0370	.0410		-.0590
.402			.0080				
.497	.0800						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-FT7 OA12 OEA LOWER WING (REFLUX)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (3) = .000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.1160	-.1450		
.565			-.1930				
.600							-.1910
.650						-.1960	
.700	-.1680				-.2480		
.725				-.2240			
.750						-.2210	-.2510
.760			-.2840				
.775				-.2280	-.2460		
.800			-.1900				
.834	-.1720						
.850				-.2250	-.2090	-.2110	
.857			-.1980				
.865	-.1810						
.900	-.1930			-.1560			-.1630
.905			-.1430				
.950				-.1020	-.0380	-.0440	
.953			-.0520				
.965	-.0850						

MACH (1) = .801 BETA (4) = 4.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.[illegible]	-.3690	-.3050	-.1820	-.1280	-.1010	-.2710	-.0330
.500				.2220	.2420	.2320	.2220
.581			.2940				
.586		-.0150					
.694	.0140						
.750				.1470	.1480	.1440	.1010
.777			.1450				
.829	.0380						
.848		.1490					
.850				.0540	.0780	.1910	.0340
.862	.1030						
.900				.0860	.0310		-.0020
.902			.0180				
.897	.0650						
.950				-.1660	-.1490		
.965			-.0810				
.600							-.2560
.650						-.1930	
.700	-.0540				-.2390		
.725				-.2180			
.750						-.2170	-.2510
.760			-.2530				
.775				-.2260	-.2390		

DATE 14 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA LOWER WING (REPLOT)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (0) = 4.10

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1820				
.834	-.1630						
.850				-.2220	-.2080	-.2080	
.857			-.1990				
.865	-.1780						
.900	-.1800			-.1500			-.1550
.905			-.1480				
.950				-.0340	-.0430	-.0410	
.953			-.0650				
.965	-.1110						

MACH (1) = .801 BETA (5) = 8.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.008	-.3720	-.2910	-.2050	-.2310	-.4020	-.5390	-1.1980
.050				.2140	.2490	.2140	.1940
.081			.2390				
.086		-.0580					
.084	-.0310						
.150				.1430	.1490	.1440	.0840
.177			.1470				
.229	-.0240						
.246		.1250					
.250				.0570	.0770	.0640	.0140
.362	.0720						
.400				.0440	.0320		-.0180
.402			.0830				
.497	.0580						
.550				-.0090	-.0390		
.555			-.0630				
.600							-.2940
.650						-.1910	
.700	-.0490				-.2030		
.725				-.2040			
.750						-.2070	-.2530
.760			-.2930				
.775				-.2530	-.2370		
.800			-.1710				
.834	-.1540						
.850				-.2130	-.2040	-.1590	
.857			-.1930				
.865	-.1720						
.900	-.1800			-.1480			-.1610
.905			-.1530				
.950				-.0380	-.0480	-.0430	
.953			-.0740				

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LOWER WING (RBPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (5) = 0.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1230						

MACH (2) = .900 BETA (1) = -0.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.008	-.0590	.0310	.4050	.6470	.5570	.5610	.3230
.050				.1950	.2380	.2520	.2490
.081			.2760				
.086		.1490					
.094	.0930						
.150				.1920	.2010	.1990	.1640
.177			.1590				
.229	.1230						
.246		.2260					
.250				.0820	.1410	.1560	.1110
.362	.2020						
.410				.0740	.0910		-.0450
.442			.0220				
.497	.0780						
.530				-.1250	-.1910		
.565			-.1240				
.610							-.2670
.650						-.3120	
.702	-.0960				-.4160		
.725				-.3860			
.750						-.4090	-.4580
.760			-.4920				
.775				-.4830	-.4890		
.808			-.4170				
.834	-.3380						
.850				-.5640	-.5530	-.9920	
.857			-.5520				
.865	-.5050						
.900	-.3030			-.1820			-.5760
.905			-.1170				
.950				.0060	-.0420	-.1960	
.953			.0270				
.965	-.0170						

MACH (2) = .903 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.008	-.2430	-.1400	.2780	.5160	.4190	.4070	.1360
.050				.2190	.2620	.2560	.2410
.081			.2940				
.086		.1130					
.094	.0840						

AMES 11-7ft OA12 OBA LOWER WING (RBPL08)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (2) = -4.030

Y/BW	.299	364	.427	.534	.673	.780	.887
X/CW							
.150				.1930	.1950	.1870	.1440
.177			.1750				
.229	.1130						
.246		.2260					
.250				.0790	.1330	.1440	.0840
.362	.2000						
.400				.0770	.0830		-.0710
.402			.0340				
.497	.1010						
.550				-.1120	-.1650		
.565			-.1020				
.600							-.2870
.650						-.3180	
.700	-.0660				-.4050		
.725				-.3760			
.750						-.4130	-.4590
.760			-.4540				
.775				-.4650	-.4860		
.800			-.4000				
.834	-.3020						
.850				-.5580	-.5540	-.5910	
.857			-.5450				
.865	-.4800						
.900	-.4130			-.3770			-.6010
.905			-.2190				
.950				-.0260	-.0940	-.3180	
.953			-.0050				
.965	-.0520						

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3160	-.2440	.1590	.3950	.2860	.2600	-.0420
.050				.2380	.2460	.2480	.2250
.081			.3070				
.086		.0720					
.094	.0670						
.150				.1850	.1760	.1770	.1170
.177			.1820				
.229	.0930						
.246		.2220					
.250				.0790	.1270	.1310	.0560
.362	.1850						
.400				.0800	.0740		-.1010
.402			.0340				
.497	.1140						

AMES 11-7X7 OA12 OEA LOWER WING (RBPL08)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .090

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				-.0970	-.1820		
.565			-.0880				
.600							-.3200
.650						-.3090	
.700	-.0530				-.4010		
.725				-.3650			
.750						-.4180	-.4730
.760			-.4490				
.775				-.4490	-.4900		
.808			-.3950				
.834	-.2890						
.850				-.5410	-.5510	-.6110	
.857			-.5250				
.865	-.4510						
.900	-.4060			-.4090			-.6330
.905			-.3350				
.950				-.0430	-.1250	-.2790	
.953			-.0240				
.965	-.0790						

MACH (2) = .903 BETA (4) = 4.220

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.2890	-.1970	.0080	.2460	.1320	.1010	-.2370
.050				.2520	.2490	.2370	.2120
.081			.3120				
.086		.0320					
.094	.0450						
.150				.1860	.1680	.1630	.0990
.177			.1970				
.229	.0730						
.246		.2070					
.250				.0810	.1140	.1130	.0320
.362	.1620						
.420				.0810	.0620		-.1270
.482			.0490				
.497	.1220						
.550				-.0890	-.17[illegible]		
.565			-.0710				
.600							-.3490
.650						-.3150	
.700	-.0350				-.3870		
.725				-.3670			
.750						-.4260	-.4980
.760			-.4250				
.775				-.4290	-.4900		

AMES 11-7X7 OA12 OEA LOWER WING (RBPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.3820				
.834	-.2660						
.850				-.5270	-.5370	-.6170	
.857			-.4920				
.865	-.4120						
.900	-.3850			-.3960			-.6450
.905			-.3870				
.950				-.1650	-.1630	-.3270	
.953			-.0520				
.965	-.1140						

MACH (2) = .901 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3290	-.1670	-.1060	.0640	-.0240	-.0810	-.4520
.050				.2360	.2570	.2120	.1840
.081			.2970				
.086		-.0230					
.094	.0040						
.150				.1710	.1600	.1560	.0770
.177			.1950				
.229	.0370						
.246		.1740					
.250				.0730	.1120	.0830	.0000
.362	.1210						
.400				.0770	.0510		-.1530
.442			.0450				
.497	.1100						
.550				-.0840	-.1730		
.565			-.0620				
.600							-.3740
.650						-.3250	
.700	-.0350				-.3960		
.725				-.3550			
.750						-.4390	-.5200
.760			-.4110				
.775				-.4190	-.4860		
.808			-.3740				
.834	-.2580						
.850				-.5450	-.5580	-.6280	
.857			-.4600				
.865	-.3930						
.900	-.3850			-.4520			-.6640
.905			-.4280				
.950				-.0890	-.2020	-.3490	
.953			-.1040				

AMES 11-7D7 CA12 C2A LOWER WING (RBPLU8)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	673	.780	.887
X/CW							
.965	-.1680						

AMES 11-FT OA12 OEA LOWER WING (RBPLU9) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5360	-.7410	-.3770	-.2900	-.5160	-.7090	-1.3760
.050				.4720	.5250	.5230	.4990
.081			.4420				
.086		.1500					
.094	.1520						
.150				.3510	.3710	.3740	.3300
.177			.3110				
.229	.1770						
.246		.3110					
.250				.2260	.2660	.2780	.2380
.362	.2610						
.400				.1630	.1800		.0910
.402			.1200				
.497	.1730						
.550				-.0080	-.0290		
.565			-.0100				
.600							-.0780
.650						-.0880	
.700	.0020				-.1690		
.725				-.1480			
.750						-.1470	-.1850
.780			-.2120				
.775				-.1700	-.1820		
.808			-.1490				
.834	-.1280						
.850				-.1860	-.1750	-.1910	
.857			-.1550				
.865	-.1370						
.900	-.1050			-.1280			-.1840
.905			-.1060				
.950				-.0230	-.0480	-.0730	
.953			-.0200				
.965	-.0550						

MACH (1) = .801 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4550	-.5550	-.5880	-.5200	-.7360	-.9250	-1.6330
.050				.4540	.4670	.4740	.4440
.081			.4190				
.086		.0690					
.094	.1100						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA LOWER WING (RBPLU9)

SECTION (1)LOWER WIN. DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3320	.3490	.3460	.2910
.177			.3020				
.229	.1380						
.246		.2850					
.250				.2110	.2460	.2520	.2040
.362	.2360						
.400				.1580	.1660		.0580
.402			.1230				
.497	.1780						
.550				-.0680	-.0390		
.565			-.0060				
.600							-.1010
.650						-.1030	
.700	.0130				-.1790		
.725				-.1560			
.750						-.1620	-.2060
.760			-.2080				
.775				-.1750	-.1950		
.800			-.1470				
.834	-.1230						
.850				-.1950	-.1860	-.2090	
.857			-.1630				
.865	-.1370						
.900	-.1140			-.1380			-.1980
.905			-.1210				
.950				-.0320	-.0650	-.0860	
.953			-.0370				
.965	-.0720						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5170	-.4880	-.7730	-.8040	-1.0250	-1.2590	-1.9520
.050				.4320	.4670	.4360	.3990
.081			.3930				
.086		-.0030					
.094	.0550						
.150				.3210	.3350	.3380	.2740
.177			.3020				
.229	.1000						
.246		.2530					
.250				.2100	.2440	.2480	.1800
.362	.2090						
.400				.1630	.1610		.0370
.402			.1340				
.497	.1830						

AMES 11-707 OA12 OEA LOWER WING (RBPL09)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .000

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.550				.0080	-.0550		
.565			.0120				
.600							-.1160
.650						-.1110	
.700	.0320				-.1770		
.725				-.1540			
.750						-.1670	-.2200
.760			-.1910				
.775				-.1740	-.1970		
.800			-.1370				
.834	-.1090						
.850				-.1960	-.1930	-.2420	
.857			-.1610				
.885	-.1270						
.900	-.1160			-.1430			-.2210
.905			-.1300				
.950				-.0320	-.0780	-.0910	
.953			-.0610				
.965	-.0820						

MACH (1) = .900 BETA (4) = 4.170

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.040	-.5840	-.4470	-.7970	-.9910	-1.1990	-1.4580	-2.1580
.050				.3840	.4060	.3680	.3110
.081			.3450				
.086		-.0810					
.094	-.0070						
.150				.2880	.2930	.2930	.2120
.177			.2740				
.229	.0480						
.248		.2010					
.250				.1840	.2040	.1950	.1250
.362	.1630						
.400				.1480	.1340		-.0100
.402			.2200				
.497	.1600						
.550				-.0060	-.0480		
.565			.0070				
.600							-.1460
.650						-.1300	
.700	.0310				-.1870		
.725				-.1580			
.750						-.1820	-.2250
.760			-.1940				
.775				-.1860	-.2000		

AMES 11-7D7 OA12 OEA LOWER WING (RBPL09)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .399 BETA (4) = 4.170

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1420				
.834	-.1120						
.850				-.2040	-.1950	-.2120	
.857			-.1630				
.865	-.1320						
.900	-.1260			-.1500			-.1940
.905			-.1390				
.950				-.0440	-.0770	-.1980	
.953			-.0690				
.965	-.1030						

MACH (1) = .399 BETA (5) = 8.240

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.6490	-.4300	-.8510	-1.2500	-1.4780	-1.8030	-2.4140
.050				.3370	.3540	.3030	.2330
.081			.2980				
.086		-.1540					
.094	-.0690						
.150				.2610	.2800	.2540	.1680
.177			.2520				
.229	.0020						
.246		.1530					
.250				.1690	.1790	.1710	.0790
.362	.1100						
.400				.1390	.1180		-.0370
.402			.1210				
.497	.1470						
.550				-.0030	-.0500		
.565			.0150				
.600							-.1650
.650						-.1380	
.700	.0370				-.1880		
.725				-.1550			
.750						-.1800	-.2290
.760			-.1880				
.775				-.1750	-.1960		
.808			-.1420				
.834	-.1040						
.850				-.2030	-.1920	-.2150	
.857			-.1630				
.865	-.1290						
.900	-.1320			-.1620			-.2090
.905			-.1460				
.950				-.0700	-.0820	-.1150	
.953			-.0760				

AMES 11-707 OA12 OPA LOWER WING (RBPL09)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 0.240

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.1220						

MACH (2) = .904 BETA (1) = -0.160

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.4640	.0020	.3070	.2180	.1640	-.1780
.050				.5190	.5410	.3270	.5010
.081			.5200				
.086		.2090					
.094	.1860						
.150				.4050	.4080	.4040	.3520
.177			.3760				
.229	.2260						
.246		.3990					
.250				.2760	.3150	.3230	.2640
.362	.3490						
.400				.2190	.2330		.0980
.402			.1760				
.497	.2430						
.550				.0110	-.0390		
.565			.0110				
.600							-.1430
.650						-.1800	
.700	.1260				-.2070		
.725				-.2640			
.750						-.2700	-.3160
.760			-.3450				
.775				-.3540	-.3550		
.808			-.3120				
.834	-.2280						
.850				-.4940	-.4650	-.4880	
.857			-.4750				
.865	-.3810						
.900	-.3340			-.5600			-.4960
.905			-.5280				
.950				-.4640	-.6270	-.5770	
.953			-.1450				
.965	-.1360						

MACH (2) = .902 BETA (2) = -4.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4350	-.3840	-.1920	.1300	.0580	-.0210	-.3030
.050				.5070	.5130	.4910	.4380
.081			.4060				
.086		.1370					
.094	.1440						

AMES 11-707 OA12 OEA LOWER WING (RBPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3910	.3930	.3790	.3160
.177			.3750				
.229	.1950						
.246		.3790					
.250				.2640	.2990	.2900	.2290
.362	.3190						
.400				.2170	.2180		.1580
.402			.1840				
.497	.2810						
.550				.0190	-.0440		
.565			.0310				
.600							-.1860
.650						-.1800	
.700	.0340				-.2910		
.725				-.2570			
.750						-.2850	-.3430
.760			-.3320				
.775				-.3390	-.3690		
.800			-.2910				
.834	-.2180						
.850				-.4990	-.4790	-.5060	
.857			-.4510				
.865	-.3580						
.900	-.3130			-.5750			-.5220
.905			-.4920				
.950				-.5660	-.6320	-.6080	
.953			-.3530				
.965	-.3250						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4870	-.3340	-.3340	-.0540	-.1350	-.2240	-.5980
.050				.4820	.4980	.4540	.4110
.081			.4770				
.086		.0660					
.094	.0920						
.150				.3730	.3680	.3630	.2830
.177			.3690				
.229	.1510						
.248		.3320					
.250				.2550	.2800	.2660	.1890
.362	.2790						
.414				.2130	.2030		.0180
.412			.1810				
.497	.2570						

AMES 11-7D7 OA12 OEA LOWER WING (RBPLUS)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.0270	-.0500		
.565			.0380				
.800							-.2230
.650						-.1930	
.700	.0670				-.2980		
.725				-.2500			
.750						-.3080	-.3810
.760			-.3240				
.775				-.3260	-.3780		
.848			-.2990				
.834	-.1910						
.850				-.5050	-.4870	-.5160	
.857			-.4080				
.865	-.3280						
.900	-.3000			-.5700			-.5570
.905			-.4850				
.950				-.5480	-.6390	-.6180	
.953			-.4800				
.965	-.4380						

MACH (2) = .899 BETA (4) = 4.800

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5340	-.3880	-.4570	-.2550	-.3310	-.4330	-.7560
.050				.4480	.4520	.4050	.3500
.081			.4350				
.086		-.0080					
.094	.0380						
.150				.3520	.3410	.3260	.2350
.177			.3530				
.229	.1090						
.246		.2840					
.250				.2410	.2540	.2350	.1480
.362	.2300						
.410				.2080	.1800		-.0190
.402			.1750				
.497	.2430						
.550				.0270	-.0520		
.565			.0460				
.600							-.2600
.650						-.2060	
.700	.0780				-.2960		
.725				-.2450			
.750						-.3290	-.4070
.760			-.3180				
.775				-.3260	-.3890		

AMES 11-707 OA12 OBA LOWER WING (RBPL09)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2960				
.834	-.1810						
.850				-.4710	-.4910	-.5300	
.857			-.3660				
.865	-.2960						
.900	-.2980			-.5530			-.5820
.905			-.4670				
.950				-.5560	-.6190	-.6350	
.953			-.5070				
.965	-.4150						

MACH (2) = .910 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6280	-.3580	-.5430	-.4750	-.5270	-.6570	-.8950
.050				.4010	.4120	.3460	.2810
.081			.3940				
.086		-.0850					
.094	-.0270						
.150				.3200	.3050	.2880	.1910
.177			.3340				
.229	.0500						
.246		.2240					
.250				.2200	.2320	.2010	.1010
.362	.1650						
.400				.1930	.1640		-.0470
.402			.1680				
.497	.2160						
.550				.0240	-.0560		
.565			.0470				
.600							-.2810
.650						-.2150	
.700	.0740				-.2960		
.725				-.2390			
.750						-.3410	-.4330
.760			-.2970				
.775				-.3160	-.3950		
.808			-.2610				
.834	-.1760						
.850				-.4590	-.4840	-.5360	
.857			-.3490				
.865	-.2820						
.910	-.2860			-.5390			-.6170
.905			-.4480				
.950				-.4910	-.6120	-.6310	
.953			-.4840				

AMES 11-7U7 OA12 O2A LOWER WING (RBPLU9)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .9UU BETA (5) = 8.33U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.387U						

AMES 11-7D7 OA12 O2A LOWER WING (RBFL10) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.0290 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .590 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5520	-.6140	-1.1700	-1.1130	-1.1990	-1.2870	-1.4320
.050				.6280	.6520	.6270	.5800
.081			.5590				
.086		.1320					
.094	.1930						
.150				.4910	.5040	.4960	.4270
.177			.4510				
.229	.2440						
.246		.4130					
.250				.3550	.3870	.3810	.3190
.362	.3570						
.400				.2620	.2720		.1570
.402			.2270				
.497	.2940						
.550				.0740	.0430		
.565			.0740				
.600							-.0500
.650						-.0650	
.700	.0850				-.1660		
.725				-.1280			
.750						-.1840	-.2180
.760			-.1750				
.775				-.1890	-.2070		
.808			-.1390				
.834	-.0870						
.850				-.2320	-.2660	-.3110	
.857			-.1700				
.865	-.1150						
.900	-.0990			-.2080			-.3550
.905			-.1570				
.950				-.1240	-.2500	-.3710	
.953			-.1050				
.965	-.0760						

MACH (1) = .589 BETA (2) = -5.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6860	-.6030	-1.2500	-1.3360	-1.3090	-1.3650	-1.2550
.050				.5810	.6040	.5660	.5350
.081			.5110				
.086		.0360					
.094	.1260						

AMES 11-7U7 OA12 02A LOWER WING (RBHL1U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.98U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.150				.457U	.471U	.455U	.369U
.177			.432U				
.229	.195U						
.246		.36UU					
.25U				.334U	.356U	.342U	.267U
.362	.314U						
.4UU				.254U	.247U		.1U3U
.4U2			.224U				
.497	.288U						
.55U				.U68U	.U28U		
.565			.U76U				
.6UU							-.U99U
.65U						-.U98U	
.7UU	.U94U				-.18UU		
.725				-.14UU			
.75U						-.2U6U	-.255U
.76U			-.179U				
.775				-.2UU	-.223U		
.8U8			-.146U				
.834	-.184U						
.85U				-.253U	-.289U	-.345U	
.857			-.175U				
.865	-.1U7U						
.9UU	-.1U5U			-.232U			-.394U
.9U5			-.163U				
.95U				-.156U	-.298U	-.4U9U	
.952			-.123U				
.965	-.U95U						

MACH (1) = .598 BETA (3) = .U8U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.1UU	-.8U4U	-.621U	-1.335U	-1.613U	-1.485U	-1.329U	-1.221U
.15U				.525U	.546U	.503U	.417U
.181			.458U				
.186		-.U51U					
.194	.U51U						
.15U				.433U	.434U	.414U	.319U
.177			.412U				
.229	.138U						
.246		.313U					
.25U				.32UU	.329U	.3U8U	.219U
.362	.26UU						
.4UU				.247U	.231U		.U66U
.4U2			.226U				
.497	.281U						

AMES 11-7D7 OA12 OBA LOWER WING (RBPL10)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .680

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1670	.0160		
.565			.0840				
.600							-.1210
.650						-.1130	
.700	.1120				-.1870		
.725				-.1390			
.750						-.2120	-.2850
.760			-.1720				
.775				-.1920	-.2250		
.808			-.1350				
.834	-.0720						
.850				-.2490	-.2870	-.3460	
.857			-.1750				
.865	-.0980						
.900	-.1040			-.2370			-.4170
.905			-.1700				
.950				-.1700	-.3020	-.4160	
.953			-.1250				
.965	-.1060						

MACH (1) = .596 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9270	-.6680	-1.4390	-1.9290	-1.7280	-1.3810	-1.1760
.050				.4590	.4720	.4260	.3320
.081			.3990				
.086		-.1520					
.094	-.0390						
.150				.4010	.3980	.3720	.2640
.177			.3830				
.229	.0710						
.246		.2490					
.250				.2970	.3050	.2710	.1740
.362	.2140						
.400				.2350	.2110		.0330
.402			.2160				
.497	.2580						
.550				.0660	.0140		
.565			.0910				
.600							-.1540
.650						-.1250	
.700	.1130				-.1820		
.725				-.1360			
.750						-.2190	-.2910
.760			-.1500				
.775				-.1890	-.2190		

AMES 11-707 OA12 ORA LOWER WING (RBPL10)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (4) = 4.170

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.1250				
.834	-.0660						
.850				-.2480	-.2850	-.3440	
.857			-.1660				
.865	-.1000						
.900	-.1080			-.2300			-.4070
.905			-.1680				
.950				-.1710	-.2790	-.3890	
.953			-.1210				
.965	-.1160						

MACH (1) = .801 BETA (5) = 8.250

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.0110	-.7060	-1.3940	-2.1910	-1.9180	-1.3730	-1.0200
.050				.3800	.3900	.3440	.2410
.081			.3290				
.086		-.2570					
.094	-.1330						
.150				.3590	.3520	.3290	.2000
.177			.3530				
.229	-.0070						
.246		.1690					
.250				.2710	.2650	.2410	.1200
.362	.1380						
.400				.2240	.1910		-.0130
.402			.2000				
.497	.2210						
.550				.0650	-.0010		
.565			.0860				
.600							-.1700
.650						-.1360	
.700	.1090				-.1900		
.725				-.1320			
.750						-.2320	-.3140
.760			-.1560				
.775				-.1870	-.2220		
.808			-.1260				
.834	-.0660						
.850				-.2590	-.2840	-.3470	
.857			-.1720				
.865	-.0930						
.900	-.1090			-.2330			-.4200
.905			-.1740				
.950				-.1770	-.2740	-.3660	
.953			-.1310				

AMES 11-7D7 OA12 U2A LOWER WING (RBPL1D)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (5) = 8.250	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.965	-.1300						
MACH (2) = .902 BETA (1) = -8.130	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.5270	-.4110	-.4110	-.0610	-.1150	-.2080	-.5460
	.050				.6720	.6800	.6550	.6040
	.081			.6370				
	.086		.2290					
	.094	.2390						
	.150				.5400	.5430	.5290	.4570
	.177			.5130				
	.229	.3070						
	.246		.4910					
	.250				.4080	.4370	.4280	.3590
	.362	.4400						
	.400				.3270	.3400		.1890
	.402			.2910				
	.497	.3660						
	.550				.1220	.0750		
	.565			.1210				
	.600							-.0540
	.650						-.0550	
	.700	.1370				-.1770		
	.725				-.1430			
	.750						-.1840	-.2480
	.760			-.2410				
	.775				-.2700	-.2670		
	.808			-.2350				
	.834	-.1370						
	.850				-.4060	-.3780	-.4110	
	.857			-.3520				
	.865	-.2280						
	.900	-.2360			-.4640			-.4120
	.905			-.3950				
	.950				-.4880	-.5280	-.4780	
	.953			-.4240				
	.965	-.3260						
MACH (2) = .899 BETA (2) = -4.080	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.7710	-.4420	-.3[illegible]0	-.2700	-.3040	-.4160	-.7320
	.050				.6300	.6420	.5980	.5330
	.081			.5940				
	.086		.1390					
	.094	.1710						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL10)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5120	.5100	.4990	.4090
.177			.4960				
.229	.2520						
.246		.4430					
.250				.3900	.4080	.3930	.3110
.362	.3960						
.400				.3220	.3160		.1420
.402			.2900				
.497	.3650						
.550				.1220	.0650		
.565			.1300				
.600							-.0950
.650						-.0820	
.700	.1510				-.1890		
.725				-.1490			
.750						-.2070	-.2850
.760			-.2330				
.775				-.2650	-.2800		
.808			-.2230				
.834	-.1170						
.850				-.4050	-.3820	-.4320	
.857			-.3350				
.865	-.2080						
.900	-.2330			-.4620			-.4580
.905			-.3980				
.950				-.4870	-.5430	-.5110	
.953			-.4320				
.965	-.4060						

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9250	-.5080	-.7460	-.4880	-.5010	-.6220	-.8680
.050				.5830	.5870	.5350	.4590
.081			.5460				
.086		.0450					
.094	.0950						
.150				.4850	.4780	.4570	.3590
.177			.4770				
.229	.1930						
.246		.3860					
.250				.3690	.3810	.3590	.2620
.362	.3470						
.400				.3120	.2970		.1060
.402			.2860				
.497	.3540						

AMES 11-707 OA12 OEA LOWER WING (R&PL10)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1220	.0560		
.565			.1390				
.600							-.1350
.650						-.0990	
.700	.1640				-.1920		
.725				-.1460			
.750						-.2280	-.3150
.760			-.2220				
.775				-.2530	-.2820		
.808			-.2030				
.834	-.1060						
.850				-.4010	-.3870	-.4360	
.857			-.3140				
.865	-.1890						
.904	-.2260			-.4620			-.4860
.905			-.4010				
.950				-.4840	-.5370	-.5310	
.953			-.4330				
.965	-.4200						

MACH (2) = .901 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.023	-1.0390	-.5550	-.8040	-.6980	-.7120	-.8280	-.9490
.050				.5240	.5220	.4630	.3740
.081			.4910				
.086		-.0520					
.094	.4230						
.150				.4470	.4310	.4100	.2970
.177			.4480				
.229	.1280						
.246		.3290					
.250				.3440	.3420	.3150	.2070
.362	.2840						
.400				.2950	.2710		.0510
.402			.2730				
.497	.3270						
.550				.1150	.0420		
.565			.1350				
.600							-.1780
.650						-.1240	
.700	.1620				-.2020		
.725				-.1480			
.750						-.2550	-.3510
.760			-.2150				
.775				-.2490	-.2960		

AMES 11-7G7 OA12 OZA LOWER WING (RBPL1D)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	[illegible]	.887
X/CW							
.808			-.1930				
.834	-.1090						
.850				-.4070	-.3960	-.4330	
.857			-.2960				
.865	-.1810						
.900	-.2190			-.4680			-.5120
.905			-.4040				
.950				-.4750	-.5420	-.5470	
.953			-.4410				
.965	-.4180						

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9490	-.5680	-.8010	-.8900	-.9080	-.9747	-.9070
.050				.4610	.4510	.3880	.2770
.081			.4280				
.086		-.1380					
.094	-.0510						
.150				.4120	.3890	.3570	.2440
.177			.4160				
.229	.0680						
.246		.2550					
.250				.3200	.3090	.2760	.1560
.362	.2050						
.400				.2760	.2390		.0150
.402			.2570				
.497	.2970						
.550				.1120	.0360		
.565			.1370				
.600							-.2170
.650						-.1370	
.700	.1640				-.2000		
.725				-.1440			
.750						-.2630	-.3690
.760			-.1980				
.775				-.2320	-.3030		
.808			-.1870				
.834	-.0890						
.850				-.3960	-.3860	-.4440	
.857			-.2740				
.865	-.1710						
.900	-.2070			-.4530			-.5390
.905			-.3830				
.950				-.4600	-.5280	-.5550	
.953			-.4220				

AMES 11-FT OA12 OEA LOWER WING (RBPL1U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (5) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.392U						

AMES 11-FT OA12 OEA LOWER WING (RBPL11) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0350 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8750	-.7750	-1.7870	-1.8160	-1.5140	-1.4360	-1.2650
.050				.7060	.7150	.6700	.5830
.081			.6280				
.086		.1080					
.094	.2080						
.150				.6040	.6080	.5840	.4970
.177			.5730				
.229	.3120						
.246		.4880					
.250				.4790	.4950	.4730	.3980
.362	.4540						
.400				.3740	.3710		.2590
.402			.3460				
.497	.4140						
.550				.1770	.1440		
.565			.1810				
.600							.0250
.650						.0140	
.700	.1900				-.0920		
.728				-.0540			
.750						-.1110	-.1480
.780			-.0980				
.775				-.1350	-.1350		
.848			-.0880				
.834	-.0100						
.850				-.2170	-.2450	-.2820	
.857			-.1370				
.865	-.0430						
.900	-.0580			-.2320			-.3270
.905			-.1500				
.950				-.2210	-.3390	-.3940	
.953			-.1230				
.965	-.0750						

MACH (1) = .598 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0480	-.8660	-1.9810	-2.0890	-1.6270	-1.4630	-1.2700
.050				.6340	.6390	.5900	.4860
.081			.5610				
.086		-.0070					
.094	.1090						

AMES 11-707 OA12 OEA LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.980

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.5640	.5610	.5370	.4340
.177			.5410				
.229	.2390						
.246		.4210					
.250				.4520	.4610	.4330	.3400
.362	.3950						
.400				.3640	.3450		.1920
.402			.3390				
.497	.3970						
.550				.1720	.1280		
.565			.1840				
.600							-.0100
.650						-.0480	
.700	.1970				-.1040		
.725				-.0580			
.750						-.1290	-.1770
.760			-.0970				
.775				-.1370	-.1470		
.808			-.0850				
.834	-.0060						
.850				-.2250	-.2550	-.2970	
.857			-.1410				
.865	-.0400						
.900	-.0530			-.2360			-.3410
.905			-.1470				
.950				-.2200	-.3500	-.4000	
.953			-.1200				
.965	-.0800						

MACH (1) = .598 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.100	-1.2080	-.9620	-2.1060	-2.3230	-1.5290	-1.2390	-1.2080
.050				.5550	.5560	.4980	.3800
.081			.4880				
.086		-.1360					
.094	.0090						
.150				.5210	.5130	.4810	.3630
.177			.5040				
.229	.1580						
.246		.3420					
.250				.4220	.4160	.3850	.2730
.362	.3260						
.400				.3430	.3180		.1350
.402			.3230				
.497	.3750						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .398 BETA (3) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.1640	.1140		
.565			.1810				
.600							-.0500
.650						-.0330	
.700	.1980				-.1140		
.725				-.0640			
.750						-.1470	-.2070
.760			-.0940				
.775				-.1380	-.1570		
.808			-.0810				
.834	-.0040						
.850				-.2260	-.2650	-.3110	
.857			-.1320				
.865	-.0440						
.900	-.0620			-.2350			-.3630
.905			-.1480				
.950				-.2130	-.3550	-.4050	
.953			-.1200				
.965	-.0940						

MACH (1) = .398 BETA (4) = 4.190

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.100	-1.3110	-1.0190	-2.0000	-2.4660	-1.6280	-1.3120	-1.1770
.050				.4600	.4590	.4020	.2650
.081			.4060				
.086		-.2560					
.094	-.1050						
.150				.4690	.4590	.4170	.2870
.177			.4600				
.229	.0700						
.246		.2630					
.250				.3880	.3760	.3330	.2150
.362	.2500						
.400				.3170	.2850		.0630
.402			.3030				
.497	.3320						
.550				.1520	.0900		
.565			.1780				
.600							-.0940
.650						-.0550	
.700	.1940				-.1200		
.725				-.0620			
.750						-.1630	-.2450
.760			-.0830				
.775				-.1280	-.1560		

AMES 11-7U7 OA12 O2A LOWER WING (RDPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .590 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0780				
.834	-.0020						
.850				-.2050	-.2630	-.3090	
.857			-.1220				
.865	-.0460						
.900	-.0610			-.2170			-.3070
.905			-.1260				
.950				-.1780	-.3440	-.4150	
.953			-.0920				
.965	-.0680						

MACH (1) = .800 BETA (5) = 8.310

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3920	-1.0470	-1.9140	-2.7720	-1.6380	-1.3530	-1.1910
.050				.3690	.3590	.3420	.1450
.081			.3170				
.086		-.3740					
.094	-.2050						
.150				.4130	.3950	.3610	.2140
.177			.4120				
.229	-.0290						
.246		.1850					
.250				.3550	.3260	.2880	.1440
.362	.1640						
.450				.2970	.2540		.0320
.482			.2810				
.497	.2890						
.550				.1450	.0780		
.565			.1640				
.600							-.1270
.650						-.0730	
.700	.1870				-.1330		
.725				-.0660			
.750						-.1700	-.2620
.760			-.0790				
.775				-.1280	-.1630		
.808			-.0670				
.834	.0050						
.850				-.2040	-.2610	-.3140	
.857			-.1160				
.865	-.0390						
.900	-.0580			-.2220			-.4050
.905			-.1370				
.950				-.1870	-.3460	-.4120	
.953			-.1000				

AMES 11-7D? OA12 O2A LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.310

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0840						

MACH (2) = .903 BETA (1) = -8.060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7580	-.5850	-.9010	-.5120	-.5030	-.6220	-.9160
.050				.7720	.7770	.7290	.6540
.081			.7180				
.086		.2390					
.094	.2740						
.150				.6600	.6580	.6370	.5490
.177			.6350				
.229	.3740						
.246		.5730					
.250				.5320	.5500	.5320	.4520
.362	.5320						
.450				.4430	.4500		.2880
.482			.4120				
.497	.4830						
.550				.2410	.1970		
.565			.2420				
.600							.0560
.650						.1610	
.700	.2520				-.0610		
.725				-.0270			
.750						-.0730	-.1450
.760			-.1110				
.775				-.1440	-.1270		
.808			-.1160				
.834	-.0250						
.850				-.2850	-.2600	-.2920	
.857			-.2230				
.865	-.0870						
.900	-.1250			-.3380			-.3200
.905			-.2790				
.950				-.3330	-.3950	-.3680	
.953			-.2930				
.965	-.2610						

MACH (3) = .900 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9490	-.7230	-1.1030	-.7080	-.7150	-.6270	-1.0200
.050				.7150	.7130	.6570	.5670
.081			.6640				
.086		.1310					
.094	.1870						

AMES 11-707 OA12 OEA LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.6250	.6180	.5940	.4890
.177			.6130				
.229	.3150						
.246		.5120					
.250				.5110	.5180	.4940	.3970
.362	.4760						
.440				.4330	.4260		.2380
.442			.4070				
.497	.4780						
.550				.2410	.1860		
.565			.2490				
.600							.0110
.650						.0330	
.700	.2680				-.0690		
.725				-.0290			
.750						-.0970	-.1880
.760			-.0980				
.775				-.1440	-.1360		
.808			-.1040				
.834	-.0440						
.850				-.2830	-.2750	-.3160	
.857			-.2050				
.865	-.0750						
.900	-.1160			-.3380			-.3440
.905			-.2760				
.950				-.3410	-.4030	-.3960	
.953			-.3060				
.965	-.2920						

MACH (2) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.140	-1.1070	-.7850	-1.1990	-.8940	-.9190	-.9930	-1.0690
.150				.6470	.6430	.5790	.4700
.181			.5990				
.188		.0170					
.194	.1010						
.190				.5860	.5740	.5440	.4310
.177			.5810				
.229	.2460						
.246		.4430					
.250				.4860	.4830	.4490	.3420
.362	.4110						
.440				.4210	.3990		.1940
.442			.4060				
.497	.4550						

AMES 11-FT OA12 02A LOWER WING (PBPL11)

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2350	.1740		
.565			.2550				
.600							-.0320
.650						.0160	
.700	.2740				-.0780		
.725				-.0290			
.750						-.1180	-.2250
.760			-.0860				
.775				-.1380	-.1450		
.800			-.0930				
.834	.1480						
.850				-.2790	-.2810	-.3220	
.857			-.1890				
.865	-.0820						
.900	-.1130			-.3410			-.3710
.908			-.2780				
.950				-.3380	-.4050	-.4120	
.953			-.3070				
.965	-.2990						

MACH (2) = .900 BETA (4) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2450	-.8240	-1.0700	-1.0300	-1.0450	-.9490	-.9720
.050				.5710	.5590	.4910	.3670
.081			.5260				
.086		-.0910					
.094	.0020						
.150				.5390	.5220	.4830	.3580
.177			.5400				
.229	.1630						
.246		.3650					
.250				.4540	.4390	.3990	.2810
.362	.3330						
.400				.3970	.3630		.1420
.402			.3780				
.497	.4160						
.550				.2220	.1560		
.565			.2480				
.600							-.0790
.650						-.0170	
.700	.2680				-.0860		
.725				-.0360			
.750						-.1430	-.2620
.760			-.0800				
.775				-.1390	-.1560		

AMES 11-707 OA12 OEA LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .960 BETA (4) = 4.230

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.808			-.0890				
.834	.0120						
.850				-.2830	-.2920	-.3400	
.857			-.1810				
.865	-.0630						
.900	-.1140			-.3490			-.4190
.905			-.2770				
.950				-.3480	-.4160	-.4350	
.953			-.3170				
.965	-.3090						

MACH (2) = .901 BETA (5) = 0.360

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.044	-1.3410	-.9930	-1.0340	-1.1890	-.9840	-.9180	-.9480
.050				.4860	.4720	.3910	.2630
.081			.4490				
.086		-.1870					
.094	-.0860						
.150				.4840	.4640	.4170	.2870
.177			.4940				
.229	.0800						
.246		.2770					
.250				.4110	.3880	.3490	.2240
.362	.2470						
.400				.3690	.3310		.0960
.402			.3570				
.497	.3680						
.550				.2080	.1340		
.565			.2380				
.600							-.1140
.650						-.0480	
.700	.2500				-.0970		
.725				-.0390			
.750						-.1610	-.2950
.760			-.0780				
.775				-.1370	-.1750		
.808			-.0810				
.834	.0050						
.850				-.2880	-.3[illegible]	-.3520	
.857			-.1750				
.865	-.0640						
.900	-.1150			-.3460			-.4470
.905			-.2830				
.950				-.3480	-.4190	-.4440	
.953			-.3320				

AMES 11-7D7 OA12 OEA LOWER WING (RBPL11)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.360

	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.965	-.3070						

AMES 11-7D7 OA12 G2A LOWER WING (RBPL12) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.970

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0060	-.0320	.3570	.5960	.6040	.5970	.4660
.050				-.2170	-.2580	-.1650	-.2280
.081			-.1230				
.086		-.0250					
.094	-.0680						
.150				-.0890	-.0910	-.0790	-.0710
.177			-.1140				
.229	-.0280						
.246		-.0510					
.250				-.1330	-.0930	-.0750	-.0680
.362	-.0290						
.400				-.1110	-.0890		-.1540
.402			-.1490				
.407	-.1210						
.550				-.2320	-.2650		
.565			-.2310				
.600							-.2610
.650						-.2650	
.700	-.1980				-.3190		
.725				-.2930			
.750						-.2660	-.2910
.760			-.3430				
.775				-.2720	-.2870		
.808			-.2450				
.834	-.2440						
.850				-.2430	-.2260	-.2240	
.857			-.2360				
.865	-.2450						
.900	-.1760			-.1570			-.1680
.905			-.1560				
.950				-.0320	-.0270	-.0330	
.953			-.0470				
.965	-.0830						

MACH (1) = .800 BETA (2) = -3.930

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0000	.0030	.3320	.5490	.5320	.5330	.4810
.050				-.2220	-.2720	-.1760	-.1930
.081			-.0690				
.086		-.0150					
.094	-.0360						

AMES 11-7?7 OA12 02A LOWER WING (RBPL12)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (2) = -3.930

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0700	-.0790	-.0640	-.0650
.177			-.0930				
.229	-.0100						
.246		-.0160					
.250				-.1270	-.0840	-.0710	-.0 80
.362	-.0010						
.400				-.0960	-.0860		-.1480
.402			-.1320				
.497	-.0990						
.550				-.2210	-.2500		
.565			-.2170				
.625							-.2540
.650						-.2580	
.700	-.1730				-.3090		
.725				-.2880			
.750						-.2650	-.2800
.760			-.3380				
.775				-.2710	-.2890		
.808			-.2480				
.834	-.2380						
.850				-.2450	-.2270	-.2220	
.857			-.2290				
.865	-.2390						
.900	-.1900			-.1630			-.1470
.905			-.1560				
.950				-.0370	-.0240	-.0340	
.953			-.0540				
.965	-.1030						

MACH (1) = .599 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0390	.0000	.2950	.4890	.4590	.4520	.3730
.050				-.1680	-.2100	-.1640	-.1390
.081			-.0160				
.086		-.0030					
.094	-.0180						
.150				-.0550	-.0650	-.0500	-.0590
.177			-.0620				
.229	.0020						
.246		.0100					
.250				-.1220	-.0810	-.0650	-.0720
.362	.0230						
.400				-.0900	-.0860		-.1550
.402			-.1160				
.497	-.0710						

AMES 11-FT OA12 02A LOWER WING (RBPL12)

SECTION ' 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.2090	-.2480		
.565			-.1950				
.600							-.2530
.650						-.2600	
.700	-.1570				-.3080		
.725				-.2890			
.750						-.2640	-.2820
.760			-.3300				
.775				-.2740	-.2870		
.808			-.2390				
.834	-.2280						
.850				-.2560	-.2290	-.2200	
.857			-.2360				
.865	-.2360						
.900	-.1890			-.1710			-.1470
.905			-.1670				
.950				-.0420	-.0300	-.0290	
.953			-.0630				
.965	-.1130						

MACH (1) = .801 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0930	-.0210	.2520	.4370	.3870	.3820	.2840
.050				-.1080	-.0880	-.0960	-.1020
.081			.0380				
.086		.0020					
.094	-.0050						
.150				-.0500	-.0440	-.0410	-.0650
.177			-.0260				
.229	.0080						
.246		.0400					
.250				-.1000	-.0720	-.0610	-.0740
.362	.0370						
.400				-.0750	-.0750		-.1500
.402			-.0900				
.497	-.0410						
.550				-.1890	-.2340		
.565			-.1660				
.600							-.2480
.650						-.2580	
.700	-.1250				-.3020		
.725				-.2790			
.750						-.2570	-.2750
.760			-.3060				
.775				-.2630	-.2750		

AMES 11-707 OA12 02A LOWER WING (RBFL12)

SECTION (3)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2200				
.834	-.2050						
.850				-.2450	-.2280	-.2120	
.857			-.2260				
.865	-.2180						
.900	-.1840			-.1660			-.1390
.905			-.1680				
.950				-.0360	-.0280	-.0300	
.953			-.0620				
.965	-.1190						

MACH (1) = .398 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1810	-.0650	.1790	.3560	.2830	.2830	.1440
.050				-.0600	-.0630	-.0540	-.0680
.081			.0750				
.086		-.0130					
.094	-.0100						
.150				-.0190	-.0300	-.0270	-.0680
.177			-.0020				
.229	.0010						
.246		.0520					
.250				-.0840	-.0610	-.0580	-.0840
.362	.0380						
.400				-.0580	-.0720		-.1610
.402			-.0780				
.497	-.0240						
.550				-.1730	-.2180		
.565			-.1480				
.600							-.2510
.650						-.2470	
.700	-.1050				-.2950		
.725				-.2610			
.750						-.2540	-.2610
.760			-.2800				
.775				-.2540	-.2720		
.808			-.2080				
.834	-.1910						
.850				-.2400	-.2150	-.2140	
.857			-.2120				
.865	-.2050						
.900	-.1780			-.1590			-.1330
.905			-.1620				
.950				-.0380	-.0320	-.0270	
.953			-.0640				

AMES 11-7D7 OA12 OEA LOWER WING (RBPL12)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1170						

MACH (2) = .901 BETA (1) = -8.090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0200	-.0130	.4400	.6820	.6620	.6500	.6000
.050				-.2560	-.4810	-.3370	-.3760
.081			-.0730				
.086		.0020					
.094	-.0360						
.150				-.0600	-.0880	-.0710	-.0800
.177			-.1030				
.229	.0040						
.246		.0480					
.250				-.1440	-.0730	-.0530	-.0680
.362	.0430						
.400				-.0770	-.0660		-.1980
.402			-.1360				
.497	-.1060						
.550				-.2600	-.3400		
.565			-.2550				
.600							-.3970
.650						-.4250	
.700	-.2180				-.5350		
.725				-.5290			
.750						-.5320	-.5940
.760			-.6330				
.775				-.6180	-.6250		
.800			-.5540				
.834	-.4710						
.850				-.5510	-.2950	-.3630	
.857			-.4950				
.865	-.6190						
.900	-.2720			-.1480			-.2050
.905			-.1200				
.950				-.0280	-.0500	-.0600	
.953			-.0110				
.965	-.0270						

MACH (2) = .900 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0150	.0210	.4040	.6210	.5830	.5690	.5110
.050				-.2250	-.3700	-.2000	-.2820
.081			-.0080				
.086		.0240					
.094	-.0100						

AV 5 11-707 OA12 OPA LOWER WING (RBPL12)

SECTION 1 (LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -3.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0420	-.0770	-.0600	-.0780
.177			-.0620				
.229	.0310						
.246		.0550					
.250				-.1320	-.0850	-.0580	-.0740
.362	.0780						
.400				-.0660	-.0720		-.2160
.402			-.1200				
.497	-.0630						
.550				-.2420	-.3370		
.565			-.2310				
.600							-.4250
.650						-.4290	
.700	-.1840				-.5280		
.725				-.5080			
.750						-.5490	-.5940
.760			-.6040				
.775				-.6030	-.6150		
.808			-.5260				
.834	-.4210						
.850				-.5720	-.2780	-.2780	
.857			-.5010				
.865	-.5840						
.900	-.3770			-.1440			-.1430
.905			-.1110				
.950				-.0170	-.0440	-.0610	
.953			-.0080				
.965	-.0300						

MACH (2) = .800 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0260	.0250	.3610	.5560	.5100	.4910	.4220
.050				-.1640	-.2820	-.1330	-.2130
.081			.0450				
.086		.0300					
.094	.0070						
.150				-.0280	-.0660	-.0550	-.0830
.177			-.0410				
.229	.0350						
.246		.0780					
.250				-.1220	-.0650	-.0610	-.0900
.362	.0900						
.400				-.0610	-.0710		-.2350
.402			-.1110				
.497	-.0370						

AMES 11-707 OA12 OEA LOWER WING (RBPL12)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2290	-.3290		
.565			-.2140				
.600							-.4470
.650						-.4360	
.700	-.1640				-.5250		
.725				-.4940			
.750						-.5540	-.6180
.760			-.3720				
.775				-.5850	-.6100		
.808			-.4970				
.834	-.3790						
.850				-.5780	-.2540	-.2110	
.857			-.5850				
.865	-.5460						
.900	-.4330			-.1360			-.1180
.905			-.1250				
.950				-.0270	-.0640	-.0480	
.953			-.0060				
.965	-.0510						

MACH (2) = .500 BETA (4) = 4.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.0690	-.1030	.3070	.4080	.4360	.4150	.3280
.050				-.1010	-.1830	-.1720	-.1720
.081			.0970				
.086		.0270					
.094	.0220						
.150				-.0260	-.0660	-.0520	-.0940
.177			-.0650				
.229	.0370						
.246		.0930					
.250				-.1190	-.1650	-.1630	-.1070
.362	.0850						
.400				-.0540	-.0740		-.2490
.402			-.1000				
.497	-.0160						
.550				-.2130	-.3180		
.565			-.1930				
.600							-.4650
.650						-.4490	
.700	-.1550				-.5160		
.725				-.4820			
.750						-.5520	-.6380
.760			-.5450				
.775				-.5620	-.6040		

AMES 11-7D7 OA12 OEA LOWER WING (RBFL12)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.4730				
.834	-.3570						
.850				-.5960	-.2540	-.1750	
.857			-.5810				
.865	-.3000						
.900	-.4160			-.1380			-.1230
.905			-.1640				
.950				-.0140	-.0510	-.0450	
.953			-.0280				
.965	-.0880						

MACH (2) = .903 BETA (5) = 8.450

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1400	-.0170	.2140	.4160	.3480	.3320	.2290
.050				-.0370	-.0990	-.0940	-.1340
.081			.1260				
.086		.0220					
.094	.0220						
.150				-.0050	-.0430	-.0480	-.0990
.177			.0270				
.229	.0360						
.246		.1050					
.250				-.1020	-.0640	-.0720	-.1200
.362	.0840						
.400				-.0520	-.0780		-.2650
.402			-.0810				
.497	-.0010						
.550				-.2030	-.3150		
.565			-.1890				
.600							-.4860
.650						-.4490	
.700	-.1350				-.4910		
.725				-.4660			
.750						-.5450	-.6360
.760			-.4980				
.775				-.5280	-.5840		
.808			-.4490				
.834	-.3290						
.850				-.6100	-.3580	-.1810	
.857			-.5640				
.865	-.4670						
.900	-.4170			-.1700			-.0850
.905			-.1910				
.950				-.0240	-.0300	-.0450	
.953			-.0470				

AMES 11-707 OA12 OEA LOWER WING (RBPL12)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (5) = 8.450

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.1100						

AMES 11-FT OA12 OEA LOWER WING (RBPL13) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE \P

MACH (1) = .599 BETA (1) = -8.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0590	-.0190	.2560	.4550	.3320	.2730	-.1250
.050				.1860	.2410	.2650	.2730
.081			.2220				
.086		.1140					
.094	.0740						
.150				.1480	.1700	.1740	.1630
.177			.1210				
.229	.0940						
.246		.1670					
.250				.0670	.1060	.1280	.1660
.362	.1330						
.400				.0260	.0520		-.0190
.402			-.0130				
.497	.0270						
.550				-.1240	-.1540		
.555			-.1220				
.600							-.1730
.650						-.1880	
.700	-.1020				-.2460		
.725				-.2320			
.750						-.2120	-.2840
.760			-.2810				
.775				-.2270	-.2390		
.808			-.2010				
.834	-.1940						
.850				-.2180	-.2070	-.2100	
.857			-.2070				
.865	-.1980						
.900	-.1470			-.1500			-.1670
.915			-.1370				
.950				-.0220	-.0330	-.0460	
.953			-.0380				
.965	-.0720						

MACH (1) = .900 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2120	-.1770	.1280	.3050	.1630	.1030	-.3490
.050				.2020	.2510	.2570	.2640
.081			.2370				
.086		.0730					
.094	.0600						

AMES 11-7X7 OA12 OPA LOWER WING (RBPL13)

SECTION / 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.97	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.150				.1540	.1710	.1680	.1440
	.177			.1260				
	.229	.0780						
	.246		.1840					
	.250				.0490	.0950	.1170	.0810
	.362	.1310						
	.400				.0350	.0460		-.0490
	.402			-.0120				
	.497	.0500						
	.550				-.1160	-.1480		
	.565			-.1100				
	.600							-.1830
	.650						-.1670	
	.700	-.0820				-.2510		
	.725				-.2310			
	.750						-.2210	-.2510
	.760			-.2790				
	.775				-.2300	-.2430		
	.808			-.2030				
	.834	-.1820						
	.850				-.2280	-.2090	-.2180	
	.857			-.2030				
	.865	-.1910						
	.900	-.1580			-.1560			-.1740
	.905			-.1480				
	.950				-.0340	-.0340	-.0460	
	.953			-.0440				
	.965	-.0920						
MACH (1) = .598 BETA (3) = .100	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.3660	-.3170	.1660	.1510	.0140	-.0950	-.5760
	.050				.2060	.2450	.2510	.2480
	.081			.2410				
	.086		.0350					
	.094	.0400						
	.150				.1510	.1510	.1620	.1220
	.177			.1340				
	.229	.0610						
	.246		.1560					
	.250				.0550	.0930	.1080	.0540
	.362	.1210						
	.400				.0420	.0450		-.0610
	.402			.0030				
	.497	.0630						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.559				-.1040	-.1410		
.565			-.1010				
.600							-.1920
.650						-.1880	
.700	-.0620				-.2430		
.725				-.2230			
.750						-.2160	-.2460
.760			-.2730				
.775				-.2220	-.2380		
.808			-.1930				
.834	-.1710						
.850				-.2250	-.2060	-.2120	
.857			-.1950				
.865	-.1850						
.900	-.1580			-.1560			-.1600
.905			-.1440				
.950				-.0350	-.0380	-.0430	
.953			-.0470				
.965	-.1020						

MACH (1) = .599 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3680	-.3110	-.1740	-.0370	-.1790	-.2890	-.8440
.050				.2210	.2370	.2330	.2250
.081			.2490				
.086		-.0170					
.094	.0080						
.150				.1490	.1450	.1420	.0990
.177			.1450				
.229	.0300						
.245		.1450					
.250				.0540	.0770	.0890	.0330
.362	.1010						
.400				.0380	.0350		-.0810
.402			.0130				
.497	.0650						
.550				-.1060	-.1460		
.565			-.0830				
.600							-.2020
.650						-.1960	
.700	-.0500				-.2450		
.725				-.2170			
.750						-.2230	-.2480
.760			-.2510				
.775				-.2190	-.2460		

AMES 11-7U7 OA12 OBA LOWER WING (RBPL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.18

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1890				
.834	-.1640						
.858				-.2270	-.2670	-.2120	
.857			-.2240				
.883	-.1830						
.908	-.1970			-.1580			-.1520
.908			-.1540				
.958				-.0380	-.0450	-.0480	
.959			-.0630				
.983	-.0120						

MACH (1) = .8U BETA (5) = 0.27

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.140	-.3630	-.2520	-.2650	-.2240	-.4180	-.5350	-1.1260
.160				.2190	.2430	.2140	.1940
.161			.2440				
.180		-.1660					
.194	-.0190						
.195				.1410	.1450	.1410	.1240
.177			.1520				
.229	-.1020						
.246		.1270					
.250				.0530	.0750	.0680	.0150
.382	.0770						
.404				.0420	.0350		-.0970
.402			.0340				
.497	.0690						
.550				-.0840	-.1290		
.565			-.0610				
.600							-.2030
.650						-.1950	
.700	-.0380				-.0410		
.725				-.2140			
.750						-.2140	-.2440
.760			-.2320				
.775				-.2120	-.2380		
.808			-.1710				
.834	-.1520						
.850				-.2170	-.2660	-.2050	
.857			-.1660				
.865	-.1740						
.900	-.1950			-.1510			-.1610
.905			-.1570				
.950				-.0410	-.0490	-.0450	
.953			-.0690				

AMES 11-7X7 OA12 02A LOWER WING (RBFL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1220						

MACH (2) = .907 BETA (1) = -8.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1610	.0320	.4000	.6480	.5560	.5530	.3290
.050				.2050	.2460	.2540	.2540
.081			.2790				
.086		.1550					
.094	.0880						
.150				.1970	.2100	.1990	.1710
.177			.1690				
.229	.1230						
.246		.2280					
.250				.0850	.1450	.1590	.1170
.362	.2020						
.400				.0760	.0990		-.0350
.402			.0280				
.497	.0820						
.550				-.1250	-.2280		
.565			-.1160				
.600							-.2600
.650						-.2950	
.700	-.0910				-.4050		
.725				-.3870			
.750						-.3840	-.4640
.760			-.4830				
.775				-.4610	-.4860		
.808			-.4120				
.834	-.3340						
.850				-.5720	-.5480	-.5800	
.857			-.5630				
.865	-.5040						
.900	-.2890			-.1790			-.5780
.915			-.1390				
.950				.0150	-.0310	-.1410	
.953			.0250				
.965	-.0150						

MACH (2) = .899 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2360	-.1310	.2740	.5140	.4160	.4010	.1470
.050				.2260	.2650	.2540	.2420
.081			.2990				
.086		.1160					
.094	.0900						

AMES 11-7D7 OA12 O2A LOWER WING (FBFL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1960	.2000	.1940	.1430
.177			.1780				
.229	.1180						
.246		.2340					
.250				.0780	.1290	.1450	.0830
.362	.2020						
.400				.0780	.0850		-.0730
.402			.0320				
.497	.1140						
.550				-.1160	-.2140		
.565			-.1050				
.600							-.2960
.650						-.3060	
.700	-.0680				-.4070		
.725				-.3850			
.750						-.4140	-.4510
.760			-.4660				
.775				-.4830	-.4820		
.808			-.4080				
.834	-.3120						
.850				-.5790	-.5570	-.5890	
.857			-.5620				
.865	-.4920						
.900	-.3900			-.3320			-.5980
.905			-.1860				
.950				-.1250	-.0710	-.2410	
.953			.0480				
.965	-.0450						

MACH (2) = .901 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3130	-.2410	.1640	.3950	.2850	.2600	-.0160
.050				.2360	.2540	.2480	.2300
.081			.3110				
.086		.0790					
.094	.0730						
.150				.1940	.1820	.1810	.1190
.177			.1860				
.229	.1060						
.246		.2270					
.250				.0830	.1250	.1340	.0570
.362	.1890						
.400				.0850	.0780		-.1010
.402			.0400				
.497	.1190						

AMES 11-7FT OA12 O2A LOWER WING (RBPL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .150

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.1050	-.2080		
.565			-.0960				
.600							-.3220
.650						-.3100	
.700	-.0480				-.3970		
.725				-.3770			
.750						-.4120	-.4690
.760			-.4460				
.775				-.4590	-.4880		
.800			-.3970				
.834	-.2820						
.850				-.5550	-.5490	-.6080	
.857			-.5390				
.865	-.4490						
.900	-.4130			-.4270			-.5270
.905			-.3190				
.950				-.0390	-.1100	-.2930	
.953			-.1060				
.965	-.0770						

MACH (2) = .903 BETA (4) = 4.230

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2940	-.1990	.0100	.2410	.1330	.0990	-.2010
.050				.2520	.2560	.2350	.2140
.081			.3110				
.086		.0300					
.094	.0420						
.150				.1580	.1800	.1620	.1010
.177			.1980				
.229	.0720						
.246		.2090					
.250				.0820	.1150	.1100	.0360
.362	.1570						
.400				.0820	.0700		-.1190
.402			.0520				
.497	.1220						
.550				-.0980	-.2030		
.565			-.0670				
.600							-.3420
.650						-.3180	
.700	-.0370				-.3930		
.725				-.3820			
.750						-.4300	-.5030
.760			-.4240				
.775				-.4440	-.5010		

AMES 11-707 OA12 02A LOWER WING (RBFL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.3780				
.834	-.2660						
.850				-.5450	-.5460	-.6210	
.857			-.5130				
.865	-.4140						
.900	-.3990			-.4530			-.6510
.905			-.4270				
.950				-.0580	-.1630	-.3410	
.953			-.0740				
.965	-.1200						

MACH (2) = .902 BETA (5) = 8.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3340	-.1720	-.1080	.0780	-.0310	-.0760	-.4040
.050				.2450	.2670	.2100	.1850
.081			.3040				
.086		-.0230					
.094	.0050						
.150				.1770	.1730	.1580	.0810
.177			.1980				
.229	.0370						
.246		.1790					
.250				.0730	.1020	.0810	.0080
.362	.1200						
.400				.0840	.0660		-.1520
.402			.0510				
.497	.1150						
.550				-.0880	-.1950		
.565			-.0530				
.600							-.3730
.650						-.3290	
.700	-.0520				-.4000		
.725				-.3670			
.750						-.4400	-.5230
.760			-.4060				
.775				-.4330	-.4880		
.808			-.3700				
.834	-.2530						
.850				-.5530	-.5560	-.6230	
.857			-.4760				
.865	-.3900						
.900	-.3670			-.4000			-.6680
.905			-.4760				
.950				-.0920	-.2000	-.3120	
.953			-.1160				

AMES 11-7D7 CA12 CEA LOWER WING (RBPL13)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .942 BETA (5) = 8.380

Y/BW	.299	.364	.427	.534	.673	.788	.887
X/CW							
.965	-.170						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL14) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5520	-.7550	-.4250	-.3420	-.5*10	-.7640	-1.3520
.050				.4850	.5310	.5310	.5080
.081			.4630				
.086		.1570					
.094	.1580						
.150				.3570	.3760	.3830	.3400
.177			.3320				
.229	.1860						
.246		.3270					
.250				.2340	.2770	.2920	.2480
.362	.2680						
.400				.1680	.1930		.1040
.402			.1340				
.497	.1870						
.550				-.1010	-.0240		
.565			-.0050				
.644							-.0750
.650						-.0984	
.700	.0100				-.1660		
.725				-.1490			
.750						-.1470	-.1850
.760			-.2020				
.775				-.1660	-.1840		
.808			-.1420				
.834	-.1210						
.850				-.1790	-.1760	-.1890	
.857			-.1600				
.865	-.1330						
.900	-.1020			-.1270			-.1890
.905			-.1110				
.950				-.0220	-.0530	-.0740	
.953			-.0230				
.965	-.0530						

MACH (1) = .800 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4580	-.5600	-.6360	-.5860	-.8060	-.9970	-1.5740
.050				.4620	.4920	.4820	.4480
.081			.4340				
.086		.0700					
.094	.1120						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3370	.3540	.3550	.2960
.177			.3190				
.229	.1460						
.246		.2940					
.250				.2170	.2530	.2580	.2040
.362	.2460						
.400				.1640	.1760		.0660
.402			.1360				
.497	.1970						
.550				-.0060	-.0360		
.565			.0030				
.600							-.0990
.650						-.1060	
.700	.0250				-.1790		
.725				-.1540			
.750						-.1620	-.2070
.760			-.2020				
.775				-.1740	-.1960		
.808			-.1420				
.834	-.1140						
.850				-.1980	-.1940	-.2120	
.857			-.1690				
.865	-.1310						
.900	-.1150			-.1460			-.2110
.905			-.1260				
.950				-.0570	-.0690	-.1010	
.953			-.0410				
.965	-.0730						

MACH (1) = .900 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5210	-.4920	-.7780	-.8060	-1.0220	-1.2500	-1.7210
.050				.4270	.4620	.4320	.3840
.081			.4050				
.086		-.0070					
.094	.0580						
.150				.3180	.3320	.3330	.2680
.177			.3060				
.229	.1010						
.246		.2570					
.250				.2060	.2320	.2330	.1760
.362	.2120						
.400				.1540	.1580		.0310
.402			.1330				
.497	.1670						

AMES 11-707 OA12 OBA LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.0960	-.0410		
.565			.0150				
.600							-.1230
.650						-.1250	
.700	.0350				-.1880		
.725				-.1580			
.750						-.1800	-.2190
.760			-.2010				
.775				-.1880	-.2030		
.808			-.1430				
.834	-.1080						
.850				-.2040	-.2010	-.2180	
.857			-.1690				
.865	-.1320						
.900	-.1160			-.1420			-.2300
.905			-.1390				
.950				-.0430	-.0820	-.1050	
.953			-.0840				
.965	-.0880						

MACH (1) = .999 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6050	-.4550	-.8460	-1.0600	-1.2590	-1.5370	-2.0680
.050				.3890	.4120	.3710	.3150
.081			.3600				
.086		-.0790					
.094	-.0020						
.150				.2980	.3030	.2970	.2210
.177			.2930				
.229	.0560						
.246		.2170					
.250				.1910	.2090	.2010	.1290
.362	.1690						
.400				.1550	.1440		-.0040
.402			.1340				
.497	.1760						
.550				.0020	-.0430		
.565			.0220				
.600							-.1420
.650						-.1330	
.700	.0420				-.1630		
.725				-.1570			
.750						-.1740	-.2210
.760			-.1660				
.775				-.1730	-.2000		

AMES 11-FT OA12 OEA LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1370				
.834	-.1050						
.850				-.1960	-.1940	-.2090	
.857			-.1630				
.865	-.1260						
.900	-.1190			-.1470			-.2030
.905			-.1380				
.950				-.0470	-.0810	-.1020	
.953			-.0670				
.965	-.1070						

MACH (5) = .602 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6690	-.4470	-.8790	-1.2940	-1.4890	-1.8110	-2.1850
.055				.3340	.3470	.3010	.2330
.081			.3030				
.086		-.1590					
.094	-.0780						
.150				.2370	.2630	.2580	.1680
.177			.2810				
.229	-.0060						
.245		.1530					
.250				.1680	.1850	.1730	.0870
.362	.1100						
.400				.1415	.1210		-.0290
.402			.1190				
.497	.1480						
.550				-.0010	-.0480		
.565			.0130				
.600							-.1690
.650						-.1380	
.700	.0340				-.1860		
.725				-.1580			
.750						-.1910	-.2340
.760			-.1830				
.775				-.1840	-.2050		
.808			-.1440				
.834	-.1080						
.850				-.2040	-.2010	-.2190	
.857			-.1670				
.865	-.1340						
.900	-.1330			-.1600			-.2140
.905			-.1470				
.950				-.0720	-.0940	-.1210	
.953			-.0770				

AMES 11-7D7 OA12 02A LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .802 BETA (5) = 8.25D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1300						

MACH (2) = .802 BETA (1) = -0.15D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4120	-.4640	.0030	.3010	.2210	.1640	-.1520
.050				.5150	.3420	.5230	.5010
.081			.5240				
.086		.2140					
.094	.1890						
.150				.4060	.4100	.4630	.3480
.177			.3830				
.229	.2310						
.245		.4020					
.250				.2740	.3170	.3220	.2625
.362	.3510						
.400				.2210	.2380		.0980
.402			.1770				
.497	.2500						
.450				.0110	-.0840		
.565			.0110				
.600							-.1450
.650						-.1610	
.700	.0290				-.2900		
.725				-.2680			
.750						-.2700	-.3150
.760			-.3420				
.775				-.3580	-.3560		
.808			-.3070				
.834	-.2250						
.850				-.4980	-.4640	-.4870	
.857			-.4810				
.865	-.3810						
.900	-.3310			-.5670			-.4920
.905			-.5360				
.950				-.5060	-.6290	-.5800	
.953			-.1710				
.965	-.1410						

MACH (2) = .501 BETA (2) = -4.04D

Y/BW	.295	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4340	-.3780	-.1870	.1280	.0570	-.0220	-.3530
.050				.5130	.5220	.4950	.4600
.081			.5060				
.086		.1400					
.094	.1520						

AMES 11-7U7 OA12 OBA LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -3.040

Y/BW	.299	.364	.427	.534	.673	.790	.887
X/CW							
.150				.3980	.3940	.3790	.3130
.177			.3790				
.229	.1990						
.246		.3750					
.250				.2750	.3010	.2940	.2260
.362	.3220						
.400				.2220	.2240		.0600
.402			.1820				
.497	.2610						
.550				.0210	-.0770		
.565			.0300				
.600							-.1830
.650						-.1740	
.700	.0560				-.2900		
.725				-.2570			
.750						-.2830	-.3480
.760			-.3280				
.775				-.3430	-.3650		
.800			-.2870				
.834	-.1960						
.850				-.5050	-.4760	-.5010	
.857			-.4550				
.865	-.3590						
.900	-.3090			-.5860			-.5180
.905			-.5000				
.950				-.5740	-.6260	-.6060	
.953			-.3350				
.965	-.2730						

MACH (2) = .899 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4780	-.3320	-.3350	-.0890	-.1290	-.2120	-.5530
.050				.4840	.5020	.4430	.4110
.081			.4790				
.086		.0680					
.094	.1020						
.150				.3750	.3740	.3580	.2820
.177			.3720				
.229	.1570						
.246		.3340					
.250				.2560	.2830	.2640	.1890
.362	.2850						
.400				.2130	.2060		.0200
.402			.1860				
.497	.2600						

AMES 11-7D7 OA12 OEA LOWER WING (RBPL14)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.0230	-.0770		
.565			.0430				
.600							-.2200
.650						-.1930	
.700	.0710				-.2920		
.725				-.2530			
.750						-.3070	-.3750
.760			-.3260				
.775				-.3310	-.3750		
.808			-.2950				
.834	-.1850						
.850				-.5140	-.4030	-.5150	
.857			-.4070				
.865	-.3300						
.900	-.2990			-.5760			-.5500
.905			-.4910				
.950				-.5570	-.6380	-.6140	
.953			-.4600				
.965	-.4380						

MACH (2) = .900 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5350	-.3250	-.4340	-.2550	-.3260	-.4230	-.7090
.050				.4480	.4520	.4030	.3530
.081			.4380				
.086		-.0040					
.094	.0390						
.150				.3540	.3390	.3250	.2390
.177			.3550				
.229	.1080						
.246		.2860					
.250				.2380	.2540	.2320	.1470
.362	.2310						
.400				.2040	.1820		-.0180
.402			.1800				
.497	.2460						
.550				.0200	-.0720		
.565			.0460				
.600							-.2550
.650						-.2080	
.700	.0780				-.2960		
.725				-.2490			
.750						-.3260	-.4080
.760			-.3130				
.775				-.3340	-.3820		

AMES 11-7ft CA12 C2A LOWER WING (RBPL14)

SECTION (5)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2940				
.834	-.1740						
.850				-.4980	-.4890	-.5280	
.857			-.3720				
.865	-.3000						
.900	-.3030			-.5530			-.5790
.905			-.4760				
.950				-.5610	-.6150	-.6240	
.953			-.5110				
.965	-.4650						

MACH (2) = .946 BETA (5) = 8.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6130	-.3570	-.5330	-.4710	-.5260	-.6440	-.8440
.050				.4030	.4010	.3420	.2760
.081			.3920				
.086		-.0810					
.094	-.0240						
.150				.3210	.3060	.2860	.1880
.177			.3310				
.229	.0530						
.246		.2260					
.250				.2180	.2250	.2010	.1030
.352	.1700						
.400				.1930	.1670		-.0510
.402			.1690				
.497	.2210						
.550				.0220	-.0700		
.565			.0510				
.600							-.2770
.650						-.2120	
.700	.0780				-.2920		
.725				-.2430			
.750						-.3350	-.4250
.760			-.2980				
.775				-.3150	-.3960		
.808			-.2690				
.834	-.1690						
.850				-.4620	-.4740	-.5320	
.857			-.3530				
.865	-.2830						
.900	-.2950			-.5430			-.5990
.905			-.4550				
.950				-.5410	-.6160	-.6250	
.953			-.4570				

AMES 11-7D7 OA12 O2A LOWER WING (REFL14)

SECTION (11)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.334	.427	.534	.673	.785	.897
X/CW							
.965	-.4048						

AMES 11-7U7 OA12 C2A LOWER WING (RBPL15) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U 3U.FT. XMRP = 28.531U INCHES
LREF = 3U.84U INCHES YMRP = .UUUU INCHES
BREF = 3U.84U INCHES ZMRP = .UUUU INCHES
SCALE = .U1U SCALE

PARAMETRIC DATA

ALPHA = 15.UUU RUDDER = -2U.UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .8UU BETA (1) = -8.U4U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.UUU	-.5480	-.6090	-1.1510	-1.0890	-1.1460	-1.2740	-1.2120
.050				.6230	.6500	.6270	.5800
.081			.5640				
.086		.1340					
.094	.1960						
.150				.4870	.5020	.4980	.4320
.177			.4590				
.229	.2500						
.246		.4190					
.250				.3550	.3810	.3250	.3200
.302	.3610						
.400				.2650	.2780		.1590
.402			.2330				
.497	.2960						
.550				.0790	.0360		
.565			.0750				
.600							-.0520
.650						-.0750	
.700	.0690				-.1590		
.725				-.1330			
.750						-.1740	-.2280
.760			-.1770				
.775				-.1790	-.2080		
.808			-.1330				
.834	-.0870						
.850				-.2300	-.2710	-.3070	
.857			-.1770				
.865	-.1070						
.900	-.0940			-.2000			-.3570
.903			-.1450				
.950				-.1190	-.2610	-.3560	
.953			-.0930				
.965	-.0770						

MACH (1) = .999 BETA (2) = -3.97U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.UUU	-.7010	-.6020	-1.2690	-1.3480	-1.3050	-1.3640	-1.1340
.050				.5740	.5990	.5670	.4940
.081			.5120				
.086		.0410					
.094	.1190						

AMES 11-7U7 OA12 OEA LOWER WING (RBFL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.4560	.4670	.4570	.3680
.177			.4340				
.229	.1930						
.246		.3660					
.250				.3360	.3540	.3370	.2680
.362	.3180						
.400				.2540	.2510		.1110
.402			.2270				
.497	.2870						
.550				.1650	.1240		
.565			.1780				
.600							-.0940
.650						-.1010	
.700	.0940				-.1850		
.725				-.1450			
.750						-.2090	-.2610
.760			-.1800				
.775				-.1950	-.2340		
.808			-.1430				
.834	-.0820						
.850				-.2480	-.3020	-.3450	
.857			-.1880				
.865	-.1090						
.900	-.1090			-.2300			-.4030
.905			-.1720				
.950				-.1640	-.3070	-.4120	
.953			-.1230				
.965	-.0990						

MACH (1) = .800 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8130	-.6240	-1.3410	-1.6160	-1.4760	-1.3260	-1.1200
.050				.5150	.5350	.4970	.4090
.081			.4570				
.086		-.0520					
.094	.0390						
.150				.4220	.4260	.4110	.3130
.177			.4090				
.229	.1300						
.246		.3070					
.250				.3100	.3220	.3050	.2160
.362	.2710						
.400				.2360	.2280		.0660
.402			.2210				
.497	.2770						

AMES 11-707 OA12 OEA LOWER WING (RBFL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.0610	.0110		
.565			.0840				
.600							-.1290
.650						-.1170	
.700	.1020				-.1940		
.725				-.1420			
.750						-.2230	-.2930
.760			-.1750				
.775				-.2010	-.2310		
.808			-.1400				
.834	-.0825						
.850				-.2600	-.3050	-.3580	
.857			-.1880				
.865	-.1140						
.900	-.1160			-.2440			-.4260
.905			-.1810				
.950				-.1800	-.3100	-.4300	
.953			-.1230				
.965	-.1110						

MACH (1) = .598 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.9160	-.6660	-1.4110	-1.8980	-1.7230	-1.3860	-.9750
.050				.4540	.4670	.4230	.3270
.081			.3950				
.086		-.1560					
.094	-.0460						
.150				.3910	.3850	.3660	.2580
.177			.3790				
.229	.0650						
.246		.2410					
.250				.2910	.2860	.2620	.1610
.362	.2110						
.400				.2270	.2010		.0260
.402			.2120				
.497	.2560						
.550				.0560	.0040		
.565			.0820				
.600							-.1670
.650						-.1380	
.700	.1070				-.1960		
.725				-.1490			
.750						-.2300	-.3000
.760			-.1700				
.775				-.1960	-.2320		

AMES 11-7D7 CA12 C2A LOWER WING (RBPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1410				
.834	-.0700						
.850				-.2680	-.2990	-.3650	
.857			-.1780				
.865	-.1050						
.900	-.1180			-.2410			-.4200
.905			-.1810				
.950				-.1780	-.2700	-.4000	
.953			-.1260				
.965	-.1350						

MACH (1) = .599 BETA (5) = 8.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0170	-.7170	-1.3990	-2.1680	-1.9420	-1.3570	-.9380
.050				.3710	.3860	.3330	.2350
.081			.3330				
.086		-.2540					
.094	-.1240						
.150				.3450	.3420	.3110	.1960
.177			.3510				
.229	-.0100						
.246		.1790					
.250				.2580	.2550	.2220	.1100
.362	.1410						
.400				.2090	.1810		-.0180
.402			.2020				
.497	.2210						
.550				.0510	-.0010		
.565			.0840				
.600							-.1870
.650						-.1510	
.700	.1040				-.1960		
.725				-.1470			
.750						-.2380	-.3120
.760			-.1540				
.775				-.1950	-.2310		
.808			-.1320				
.834	-.0700						
.850				-.2500	-.2960	-.3410	
.857			-.1690				
.865	-.1110						
.900	-.1200			-.2400			-.4250
.905			-.1830				
.950				-.1870	-.2930	-.3780	
.953			-.1310				

AMES 11-7D7 OA12 O2A LOWER WING (RBPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1430						

MACH (2) = .901 BETA (1) = -8.120

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5250	-.4130	-.4110	-.1680	-.1280	-.2060	-.5370
.050				.6660	.6770	.6490	.6010
.081			.6400				
.086		.2280					
.094	.2350						
.150				.5380	.5430	.5230	.4530
.177			.5150				
.229	.3040						
.246		.4850					
.250				.4050	.4350	.4270	.3570
.362	.4390						
.400				.3250	.3390		.1910
.402			.2920				
.497	.3650						
.550				.1200	.0320		
.565			.1210				
.600							-.0540
.650						-.0580	
.700	.1350				-.1820		
.725				-.1500			
.750						-.1890	-.2540
.760			-.2410				
.775				-.2800	-.2690		
.808			-.2440				
.834	-.1360						
.850				-.4060	-.3830	-.4075	
.857			-.3650				
.865	-.2340						
.900	-.2360			-.4730			-.4130
.905			-.4080				
.950				-.4950	-.5290	-.4790	
.953			-.4270				
.965	-.3240						

MACH (2) .900 BETA (2) = -4.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7690	-.4460	-.5830	-.2770	-.3150	-.4150	-.6980
.050				.6370	.6490	.5990	.5340
.081			.6040				
.086		.1460					
.094	.1750						

AMES 11-7U7 OA12 OBA LOWER WING (REPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -4.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5190	.5190	.4990	.4130
.177			.5060				
.229	.2580						
.246		.4520					
.250				.3960	.4160	.3970	.3140
.362	.4080						
.400				.3250	.3250		.1490
.402			.2970				
.497	.3720						
.550				.1260	.0350		
.565			.1370				
.600							-.0920
.650						-.0770	
.700	.1570				-.1870		
.725				-.1450			
.750						-.2060	-.2770
.760			-.2240				
.775				-.2590	-.2700		
.808			-.2140				
.834	-.1110						
.850				-.3970	-.3760	-.4220	
.857			-.3330				
.865	-.2050						
.900	-.2290			-.4520			-.4500
.908			-.3970				
.950				-.4830	-.5380	-.5020	
.953			-.4150				
.965	-.4040						

MACH (2) = .999 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8930	-.4960	-.7350	-.4790	-.4900	-.6110	-.8240
.050				.5820	.5870	.5360	.4620
.081			.5520				
.086		.0550					
.094	.1050						
.150				.4830	.4760	.4560	.3590
.177			.4810				
.229	.2010						
.246		.3950					
.250				.3690	.3780	.3570	.2630
.362	.3530						
.400				.3110	.2970		.1040
.402			.2860				
.497	.3570						

AMES 11-707 CA12 C2A LOWER WING (RBPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .699 BETA (3) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.1230	.0310		
.565			.1390				
.600							-.1370
.650						-.0970	
.700	.1670				-.1910		
.725				-.1420			
.750						-.2260	-.3070
.750			-.2220				
.775				-.2490	-.2830		
.808			-.2040				
.834	-.1010						
.850				-.3970	-.3860	-.4330	
.857			-.3110				
.865	-.1880						
.900	-.2230			-.4620			-.4780
.905			-.3930				
.950				-.4780	-.5390	-.5320	
.953			-.4190				
.965	-.4060						

MACH (2) = .699 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.022	-1.0630	-.5410	-.7830	-.6760	-.6810	-.8050	-.8940
.050				.5240	.5230	.4650	.3790
.081			.4960				
.086		-.0470					
.094	.0180						
.150				.4480	.4320	.4160	.2990
.177			.4510				
.229	.1360						
.246		.3270					
.250				.3460	.3410	.3180	.2080
.362	.2840						
.400				.2980	.2690		.0530
.402			.2740				
.497	.3300						
.550				.1190	.0160		
.565			.1360				
.600							-.1850
.650						-.1220	
.700	.1650				-.2000		
.725				-.1470			
.750						-.2540	-.3480
.760			-.2150				
.775				-.2470	-.2950		

AMES 11-707 OA12 OEA LOWER WING (RBPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.008			-.1990				
.034	-.0940						
.050				-.4080	-.4350	-.4390	
.057			-.2990				
.065	-.1800						
.900	-.2160			-.4630			-.5040
.905			-.4040				
.950				-.4750	-.5440	-.5470	
.953			-.4320				
.965	-.4190						

MACH (2) = .893 BETA (5) = 8.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9380	-.5680	-.7980	-.0790	-.8910	-.9440	-.8730
.050				.4600	.4530	.3850	.2850
.081			.4310				
.086		-.1410					
.094	-.0540						
.150				.4090	.3900	.3550	.2390
.177			.4200				
.220	.0720						
.246		.2520					
.250				.3260	.3090	.2720	.1540
.362	.2060						
.400				.2780	.2430		.0170
.402			.2560				
.497	.2980						
.550				.1080	.0110		
.565			.1360				
.600							-.2160
.650						-.1390	
.700	.1620				-.1960		
.725				-.1480			
.750						-.2720	-.3650
.760			-.1970				
.775				-.2420	-.3020		
.808			-.1830				
.824	-.0890						
.850				-.4050	-.3900	-.4470	
.857			-.2780				
.865	-.1720						
.900	-.2120			-.4560			-.5320
.905			-.3790				
.950				-.4570	-.5300	-.5540	
.953			-.4190				

AMES 11-7D7 OA12 ORA LOWER WING (RBPL15)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (5) = 8.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3920						

AMES 11-707 OA12 02A LOWER WING (RBPL1S) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .595 BETA (1) = -7.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8810	-.7780	-1.7950	-1.8150	-1.5300	-1.4390	-1.2130
.050				.7020	.7190	.6720	.5870
.081			.6300				
.086		.1090					
.094	.2110						
.150				.5990	.6040	.5860	.4980
.177			.5730				
.229	.3150						
.246		.4900					
.250				.4760	.4920	.4760	.3970
.362	.4480						
.400				.3750	.3740		.2410
.402			.3470				
.497	.4120						
.550				.1820	.1460		
.565			.1810				
.600							.1340
.650						.0110	
.700	.1890				-.0880		
.725				-.0470			
.750						-.1140	-.1460
.760			-.1040				
.775				-.1210	-.1440		
.818			-.0830				
.834	-.0140						
.850				-.2000	-.2550	-.2820	
.857			-.1370				
.865	-.0420						
.900	-.0550			-.2180			-.3230
.905			-.1470				
.950				-.2100	-.3490	-.3940	
.953			-.1300				
.965	-.0770						

MACH (1) = .593 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0640	-.8850	-2.0140	-2.0870	-1.6850	-1.4850	-1.1720
.050				.6290	.6320	.5830	.4790
.081			.5610				
.086		-.0200					
.094	.1110						

AMES 11-7U7 OA12 CEA LOWER WING (RBPL16)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3590	.3560	.3350	.4320
.177			.5420				
.229	.2410						
.246		.4230					
.250				.4440	.4550	.4340	.3350
.362	.3910						
.400				.3550	.3450		.1880
.402			.3360				
.497	.4030						
.550				.1710	.1260		
.565			.1840				
.600							-.0140
.650						-.0150	
.700	.1980				-.1070		
.725				-.0670			
.750						-.1380	-.1750
.765			-.1010				
.775				-.1450	-.1540		
.800			-.1890				
.834	-.0140						
.850				-.2270	-.2620	-.2980	
.857			-.1400				
.865	-.0500						
.900	-.0610			-.2490			-.3470
.905			-.1530				
.950				-.2290	-.3660	-.4110	
.953			-.1240				
.965	-.0960						

MACH (1) = .601 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-1.2050	-.9670	-2.0200	-2.3260	-1.4920	-1.2700	-1.1250
.050				.5500	.5500	.4970	.3810
.081			.4910				
.086		-.1300					
.094	.0110						
.150				.5170	.5110	.4820	.3670
.177			.5110				
.229	.1630						
.246		.3540					
.250				.4190	.4190	.3890	.2820
.362	.3300						
.400				.3430	.3220		.1450
.402			.3310				
.497	.3850						

AMES 11-7ft OA12 OBA LOWER WING (RBPL16)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1620	.1180		
.565			.1830				
.600							-.0440
.650						-.0290	
.700	.2070				-.1110		
.725				-.0820			
.750						-.1430	-.2090
.780			-.0840				
.775				-.1360	-.1540		
.800			-.0730				
.834	.1010						
.850				-.2210	-.2580	-.3050	
.857			-.1300				
.865	-.0380						
.900	-.0570			-.2350			-.3590
.905			-.1500				
.950				-.2120	-.3570	-.4080	
.953			-.1160				
.965	-.0900						

MACH (1) = .597 BETA (4) = 4.800

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3270	-1.0240	-1.9860	-2.4640	-1.6790	-1.3410	-1.1640
.050				.4590	.4540	.4030	.2650
.081			.4120				
.086		-.2630					
.094	-.0990						
.150				.4680	.4560	.4260	.2870
.177			.4690				
.229	.0710						
.246		.2660					
.250				.3910	.3710	.3410	.2160
.362	.2540						
.400				.3230	.2960		.0890
.402			.3090				
.497	.3430						
.550				.1590	.1040		
.565			.1820				
.600							-.0910
.650						-.0530	
.700	.2000				-.1130		
.725				-.0610			
.750						-.1610	-.2300
.760			-.0780				
.775				-.1280	-.1560		

AMES 11-FT OA12 OA LOWER WING (RBPL16)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0690				
.834	.0110						
.850				-.2120	-.2590	-.3190	
.857			-.1110				
.865	-.0340						
.900	-.1490			-.2100			-.3820
.905			-.1270				
.950				-.1760	-.3480	-.4130	
.953			-.0770				
.965	-.0810						

MACH (1) = .634 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4440	-1.0490	-1.9110	-2.7310	-1.6680	-1.3720	-1.1780
.050				.3650	.3570	.2930	.1470
.081			.3240				
.086		-.3780					
.094	-.2490						
.150				.4130	.3970	.3570	.2170
.177			.4140				
.229	-.0210						
.246		.1810					
.250				.3500	.3300	.2810	.1490
.362	.1700						
.400				.3010	.2550		.0410
.402			.2910				
.497	.2930						
.550				.1450	.0810		
.565			.1710				
.600							-.1290
.650						-.0770	
.700	.1860				-.1240		
.725				-.0670			
.750						-.1730	-.2570
.760			-.0770				
.775				-.1250	-.1570		
.808			-.0690				
.834	.0030						
.850				-.2010	-.2570	-.3120	
.857			-.1160				
.865	-.0340						
.900	-.0600			-.2110			-.3910
.905			-.1310				
.950				-.1790	-.3480	-.4010	
.953			-.0850				

AMES 11-7U7 CA12 C2A LOWER WING (REPL16)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .604 BETA (5) = 8.32U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.985	-.U99U						

MACH (2) = .898 BETA (1) = -3.U8U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.76U5	-.585U	-.898U	-.494U	-.498U	-.619U	-.888U
.05U				.768U	.774U	.732U	.655U
.081			.725U				
.086		.239U					
.094	.275U						
.15U				.654U	.655U	.639U	.552U
.177			.541U				
.229	.385U						
.245		.581U					
.25U				.529U	.546U	.534U	.451U
.362	.539U						
.4U				.44U	.447U		.237U
.4U2			.416U				
.497	.493U						
.55U				.24U	.158U		
.565			.245U				
.6U							.U52U
.65U						.U57U	
.7U	.254U				-.U59U		
.725				-.U31U			
.75U						-.U75U	-.145U
.76U			-.195U				
.775				-.147U	-.127U		
.8U8			-.121U				
.834	-.U23U						
.85U				-.287U	-.265U	-.296U	
.857			-.224U				
.865	-.U99U						
.9U0	-.128U			-.343U			-.315U
.9U5			-.279U				
.95U				-.342U	-.398U	-.373U	
.953			-.298U				
.965	-.276U						

MACH (2) = .897 BETA (2) = -3.96U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.U00	-.947U	-.7U3U	-1.1U4U	-.7U4U	-.72U	-.828U	-1.U21U
.05U				.71U	.71U	.658U	.566U
.081			.67U				
.086		.135U					
.094	.191U						

AMES 11-FT-2 OA12 OEA LOWER WING (RBPL16)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -3.980	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.150				.6220	.6150	.5310	.4890
	.177			.6180				
	.229	.3170						
	.246		.5170					
	.250				.5090	.5170	.4920	.3970
	.362	.4790						
	.400				.4310	.4270		.2460
	.402			.4120				
	.497	.4790						
	.550				.2380	.1550		
	.565			.2530				
	.600							.0110
	.650						.0360	
	.700	.2690				-.0710		
	.725				-.0270			
	.750						-.0960	-.1870
	.760			-.0970				
	.775				-.1390	-.1390		
	.808			-.1030				
	.834	.0010						
	.850				-.2810	-.2810	-.3120	
	.857			-.2060				
	.865	-.0720						
	.900	-.1170			-.3360			-.3440
	.905			-.2820				
	.950				-.3390	-.4070	-.3940	
	.953			-.3050				
	.965	-.2830						

MACH (2) = .897 BETA (3) = .090	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-1.1000	-.7820	-1.0860	-.8840	-.6960	-.9890	-1.0330
	.050				.6450	.6410	.5840	.4730
	.081			.6050				
	.086		.0180					
	.094	.1080						
	.150				.5830	.5710	.5460	.4310
	.177			.5840				
	.229	.2450						
	.246		.4450					
	.250				.4850	.4840	.4540	.3440
	.362	.4150						
	.400				.4180	.4000		.1980
	.402			.4020				
	.497	.4600						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (3) = .000

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				.2350	.1510		
.565			.2550				
.600							[illegible]
.650						.0130	
.700	.2780				-.0750		
.725				-.0290			
.750						[illegible]	[illegible]
.760			-.0860				
.775				-.1380	-.1440		
.808			-.0940				
.834	.0120						
.850				-.2790	-.2810	-.3250	
.857			-.1860				
.865	-.0610						
.900	-.1090			-.3410			-.3680
.905			-.2760				
.950				-.3440	-.4080	-.4140	
.953			-.3010				
.955	-.2910						

MACH (2) = .896 BETA (4) = 4.240

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-1.2330	-.8190	-1.0590	-1.0370	-1.0180	-.9590	[illegible]
.050				.5730	.5580	.4880	.3660
.081			.5320				
.086		-.1880					
.094	.1640						
.150				.5390	.5260	.4790	.3580
.177			.5440				
.229	.1630						
.246		.3700					
.250				.4510	.4340	.3460	.2730
.362	.3360						
.400				.3930	.3650		.1470
.402			.3830				
.497	.4250						
.550				.2210	.1320		
.565			.2510				
.600							[illegible]
.650						[illegible]	
.700	.2720				-.0690		
.725				-.0380			
.750						[illegible]	[illegible]
.760			-.0820				
.775				-.1390	-.1600		

AMES 11-7X7 OA12 OA LOWER WING (RBFL16)

SECTION ' 1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0910				
.834	.0150						
.850				-.2800	-.2850	-.3390	
.857			-.1820				
.865	-.0650						
.900	-.1140			-.3440			-.4110
.905			-.2820				
.950				-.3490	-.4130	-.4310	
.953			-.3130				
.965	-.3060						

MACH (2) = .899 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3360	-1.4000	-1.0360	-1.1770	-1.0310	-.8760	-.9480
.050				.4810	.4660	.3910	.2640
.081			.4530				
.086		-.1800					
.094	-.0920						
.150				.4790	.4560	.4140	.2910
.177			.4990				
.229	.0850						
.246		.2830					
.250				.4050	.3860	.3440	.2170
.362	.2500						
.400				.3640	.3290		.0960
.402			.3640				
.497	.3730						
.550				.2420	.1120		
.565			.2390				
.600							-.1130
.650						-.0480	
.700	.2560				-.0990		
.725				-.0480			
.750						-.1680	-.2960
.760			-.0730				
.775				-.1430	-.1730		
.808			-.0840				
.834	.0100						
.850				-.2890	-.3030	-.3580	
.857			-.1790				
.865	-.0660						
.900	-.1170			-.3530			-.4430
.905			-.2820				
.950				-.3480	-.4190	-.4530	
.953			-.3150				

AMES 11-7U7 OA12 O2A LOWER WING (RBFL16)

SECTION (1)LOWER WING DEPENDENT VAR:ABLE CP

MACH (2) = .699 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	.673	.78[illegible]	.887
X/CW							
.965	-.3210						

AMES 11-7U7 OA12 C02 LOWER WING (RBPL17) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) =-10.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0050	-.0470	.3800	.6390	.6500	.6520	.5780
.050				-.1950	-.2780	-.1640	-.1860
.081			-.1100				
.086		-.0350					
.094	-.0830						
.150				-.0490	-.0280	-.0170	.0180
.177			-.0850				
.229	-.0300						
.246		-.0460					
.250				-.0850	-.0120	.0120	.0240
.362	-.0170						
.400				-.0450	-.0270		-.0220
.402			-.0930				
.497	-.1040						
.550				-.1120	-.0890		
.565			-.1320				
.600							.0270
.650						.0420	
.700	-.1260				.0200		
.725				.0380			
.750						.1040	.0430
.760			.0420				
.775				.0700	.0810		
.808			.0060				
.834	-.0420						
.850				-.0540	-.0380	-.0490	
.857			-.0740				
.865	.0180						
.900	-.1200			-.0570			-.0870
.905			-.0710				
.950				.0120	.0160	.0060	
.953			-.0280				
.965	-.1510						

MACH (1) = .598 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0410	.0020	.2970	.4960	.4460	.4350	.2770
.050				-.0900	-.0710	-.0210	-.0030
.081			.0280				
.086		.0070					
.094	-.0070						

AMES 11-707 OA12 O2A LOWER WING (RBFL17)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0010	.0070	.0150	.0150
.177			-.0200				
.229	.0160						
.246		.0400					
.250				-.0570	.0040	.0120	[illegible]
.362	.0460						
.400				-.0100	-.0150		-.0390
.402			-.0510				
.497	-.0220						
.550				-.0780	-.0720		
.565			-.0900				
.600							.0190
.650						.0460	
.700	-.0700				.0370		
.725				.0610			
.750						.1110	[illegible]
.760			.0720				
.775				.0970	.0930		
.808			.0430				
.834	.0060						
.850				-.0550	-.1410	-.1530	
.857			-.0460				
.865	.0730						
.900	-.0500			-.0620			-.0860
.905			-.0610				
.950				.0030	.0020	[illegible]	
.953			-.0340				
.965	-.1100						

MACH (1) = .600 BETA (3) = 10.370

Y/BW	.299	.364	.427	.534	.679	[illegible]	.887
X/CW							
.000	-.2140	-.0080	.1120	.2700	.1060	.1460	-.1490
.050				.0310	.0360	[illegible]	[illegible]
.081			.1280				
.086		-.0150					
.094	.0010						
.150				.0390	[illegible]	[illegible]	[illegible]
.177			.0530				
.229	.0030						
.246		.0820					
.250				-.0180	.0310	[illegible]	[illegible]
.362	.0520						
.400				.0230	[illegible]		[illegible]
.402			.0070				
.497	.0390						

DATE 18 SEP 79 TABULA[illegible] PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LOWER WING

SECTION [illegible] LOWER WING DEPENDENT VARIABLE CP

MACH [illegible] = .6[illegible] BETA (3) = 10.37[illegible]

Y/BW	.299	.384	.427	.534	.673	.78[illegible]	.907
X/CW							
.55[illegible]				-.[illegible]	-.[illegible]		
.565			-.[illegible]				
.6[illegible]							-.[illegible]
.65[illegible]						[illegible]	
.7[illegible]	-.[illegible]18[illegible]				[illegible]49[illegible]		
.725				[illegible]79[illegible]			
.75[illegible]						[illegible]13[illegible]	-.[illegible]
.76[illegible]			[illegible]93[illegible]				
.775				[illegible]59[illegible]	[illegible]12[illegible]		
.8[illegible]8			[illegible]73[illegible]				
.834	[illegible]51[illegible]						
.85[illegible]				-.[illegible]81[illegible]	-.[illegible]31[illegible]	-.[illegible]5[illegible]	
.857			-.[illegible]1[illegible]				
.865	.1[illegible]8[illegible]						
.9[illegible]	.[illegible]19[illegible]			-.[illegible]5[illegible]			-.[illegible]7[illegible]
.9[illegible]5			-.[illegible]43[illegible]				
.95[illegible]				-.[illegible]61[illegible]	-.[illegible]18[illegible]	-.[illegible]15[illegible]	
.955			-.[illegible]29[illegible]				
.965	-.[illegible]57[illegible]						

MACH (2) = .901 BETA (1) =-10.12[illegible]

Y/BW	.299	.384	.427	.534	.673	.78[illegible]	.907
X/CW							
.[illegible]4[illegible]	.[illegible]11[illegible]	-.[illegible]44[illegible]	.451[illegible]	.712[illegible]	.7[illegible]4[illegible]	.69[illegible]	.64[illegible]
.05[illegible]				-.351[illegible]	-.49[illegible]	-.36[illegible]	-.35[illegible]
.[illegible]81			-.12[illegible]				
.[illegible]86		-.[illegible]11[illegible]					
.094	-.[illegible]78[illegible]						
.15[illegible]				-.[illegible]52[illegible]	-.[illegible]7[illegible]	-.[illegible]45[illegible]	-.[illegible]3[illegible]
.177			-.117[illegible]				
.229	-.[illegible]04[illegible]						
.246		-.[illegible]18[illegible]					
.25[illegible]				-.123[illegible]	-.[illegible]47[illegible]	-.[illegible]2[illegible]	-.[illegible]3[illegible]
.362	.[illegible]33[illegible]						
.4[illegible]6				-.[illegible]46[illegible]	-.[illegible]7[illegible]		-.[illegible]41[illegible]
.4[illegible]2			-.122[illegible]				
.497	-.[illegible]17[illegible]						
.55[illegible]				-.215[illegible]	-.23[illegible]		
.565			-.223[illegible]				
.6[illegible]6							.[illegible]45[illegible]
.65[illegible]						.[illegible]2[illegible]	
.7[illegible]6	-.[illegible]18[illegible]				.[illegible]29[illegible]		
.725				.[illegible]52[illegible]			
.75[illegible]						.122[illegible]	-.[illegible]42[illegible]
.76[illegible]			.[illegible]340				
.775				.[illegible]95[illegible]	.[illegible]91[illegible]		

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA LOWER WING (FBFL17)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.12

Y/BW	.299	.384	.427	.534	.673	.78	.887
X/CW							
.[illegible]			.[illegible]				
.834	-.[illegible]						
.85[illegible]				-.[illegible]	-.125[illegible]	-.122[illegible]	
.857			-.117[illegible]				
.865	.[illegible]						
.9[illegible]	-.151[illegible]			-.[illegible]			-.271[illegible]
.9[illegible]5			-.114[illegible]				
.99[illegible]				-.[illegible]	-.[illegible]	-.[illegible]7[illegible]	
.953			-.[illegible]47[illegible]				
.965	-.163[illegible]						

MACH (2) = .888 BETA (2) = .08[illegible]

Y/BW	.299	.384	.427	.534	.673	.78[illegible]	.887
X/CW							
.[illegible]	-.[illegible]28[illegible]	.[illegible]25[illegible]	.359[illegible]	.557[illegible]	.512[illegible]	.495[illegible]	.412[illegible]
.[illegible]				-.139[illegible]	-.232[illegible]	-.191[illegible]	-.159[illegible]
.[illegible]81			.[illegible]58[illegible]				
.[illegible]86		.[illegible]35[illegible]					
.[illegible]94	.[illegible]14[illegible]						
.15[illegible]				-.[illegible]1[illegible]	-.[illegible]42[illegible]	-.[illegible]51[illegible]	-.[illegible]59[illegible]
.177			-.[illegible]2[illegible]8[illegible]				
.229	.[illegible]39[illegible]						
.246		.[illegible]46[illegible]					
.25[illegible]				-.[illegible]1[illegible]5[illegible]	-.[illegible]3[illegible]3[illegible]	-.[illegible]4[illegible]3[illegible]	-.[illegible]66[illegible]
.362	.[illegible]09[illegible]						
.41[illegible]				-.[illegible]3[illegible]6[illegible]	-.[illegible]7[illegible]8[illegible]		-.[illegible]1[illegible]8[illegible]
.4[illegible]2			-.[illegible]4[illegible]8[illegible]				
.497	-.[illegible]23[illegible]						
.55[illegible]				-.[illegible]18[illegible]	-.[illegible]23[illegible]		
.565			-.[illegible]16[illegible]				
.6[illegible]							-.[illegible]1[illegible]
.65[illegible]						.[illegible]2[illegible]	
.7[illegible]	-.127[illegible]				.[illegible]3[illegible]		
.725				.[illegible]8[illegible]			
.75[illegible]						.[illegible]2[illegible]	-.[illegible]2[illegible]
.76[illegible]			.[illegible]71[illegible]				
.775				.112[illegible]	.[illegible]96[illegible]		
.8[illegible]8			.[illegible]69[illegible]				
.834	-.[illegible]21[illegible]						
.85[illegible]				-.[illegible]17[illegible]	-.[illegible]1[illegible]9[illegible]	-.[illegible]2[illegible]9[illegible]	
.857			-.[illegible]16[illegible]				
.865	.[illegible]09[illegible]						
.9[illegible]	-.139[illegible]			-.[illegible]31[illegible]			.[illegible]1[illegible]
.9[illegible]5			-.[illegible]28[illegible]				
.95[illegible]				-.[illegible]24[illegible]	-.[illegible]3[illegible]4[illegible]	-.[illegible]3[illegible]	
.953			-.[illegible]26[illegible]				

DATE 18 SEP 73 TABULATED PRESSURE DATA - DATA

AMES 11-FT WIND TUNNEL LOWER WING RBPL17

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .[illegible]

X/CW	Y/BW .299	.364	.427	.534	.675	.78[illegible]	.887
.965	-.270U						

MACH (2) = .903 BETA (3) = 10.490

X/CW	Y/BW .299	.364	.427	.534	.675	.78[illegible]	.887
.[illegible]	-.141U	-.129U	.102U	.378U	.3[illegible]	.297U	.140U
.[illegible]				.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]
.[illegible]			.165U				
.[illegible]		.[illegible]					
.[illegible]	-.021U						
.[illegible]				.[illegible]	.[illegible]	-.[illegible]	-.[illegible]
.177			.059U				
.229	.[illegible]						
.246		.[illegible]					
.25[illegible]				-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]
.362	.[illegible]						
.41[illegible]				-.[illegible]	-.[illegible]		-.[illegible]
.412			-.[illegible]				
.497	.[illegible]						
.55[illegible]				-.[illegible]	-.[illegible]		
.565			-.[illegible]				
.6[illegible]							-.[illegible]
.65[illegible]						.[illegible]	
.71[illegible]	-.[illegible]				.[illegible]		
.725				.[illegible]			
.75[illegible]						.[illegible]	-.[illegible]
.76[illegible]			.[illegible]				
.775				.[illegible]	.[illegible]		
.8[illegible]			.[illegible]				
.834	.[illegible]						
.85[illegible]				-.[illegible]	-.[illegible]	-.[illegible]	
.857			-.[illegible]				
.865	.[illegible]						
.9[illegible]	-.[illegible]			-.[illegible]			-.[illegible]
.9[illegible]			-.[illegible]				
.95[illegible]				-.[illegible]	-.[illegible]	-.[illegible]	
.953			-.[illegible]				
.965	-.[illegible]						

AMES 11-707 OA12 ORA LOWER WING (RBPL10) ([illegible] MAY 73)

REFERENCE DATA

SREF	=	2.4210 SQ.FT.	XMRP	=	28.5300 INCHES
LREF	=	39.8490 INCHES	YMRP	=	.0000 INCHES
BREF	=	39.8490 INCHES	ZMRP	=	.0000 INCHES
SCALE	=	.0300 SCALE			

PARAMETRIC DATA

ALPHA = 5.[illegible] RUDDER = [illegible]
ELEVON = [illegible] SPOILER = [illegible]

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.070

Y/BW	.299	.364	.427	.534	.673	.78[illegible]	[illegible]
X/CW							
.000	[illegible]	[illegible]	.3930	.4810	.3460	.2130	[illegible]
.050				.2170	[illegible]	.3390	[illegible]
.081			.2310				
.086		.1290					
.094	.0760						
.150				.1880	[illegible]	.2400	.2420
.177			.1440				
.229	.0960						
.246		.1640					
.250				.1150	.1790	[illegible]	.1890
.362	.1360						
.400				.0940	.1150		[illegible]
.412			.0390				
.497	.0480						
.550				-.0090	.0240		
.565			-.0410				
.600							.1060
.650						.1190	
.700	-.0440				.0740		
.725				.0970			
.750						.1620	.1600
.760			.0890				
.775				.1290	.1330		
.800			[illegible]				
.834	.1010						
.850				-.0290	[illegible]	-.0260	
.857			-.0380				
.865	.1610						
.900	-.0840			-.0390			[illegible]
.905			-.0430				
.950				.0170	[illegible]	-.0110	
.953			-.0160				
.965	-.1310						

MACH (1) = .598 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.78[illegible]	[illegible]
X/CW							
.000	-.3890	-.3540	-.0750	.0380	-.1470	[illegible]	[illegible]
.050				.2540	.3160	[illegible]	[illegible]
.081			.2740				
.086		.0420					
.094	.0590						

DATE 19 SEP 79 TABULATED PRESSURE DATA - DA12A

AMES 11-FT TWT DA12 .6EA LOWER WING

SECTION / 11)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (2) = .15

Y/BW	.299	.364	.427	.534	.673	.79	.887
X/CW							
.05							
.177							
.229							
.246							
.25							
.362							
.4							
.4							
.497							
.55							
.565							
.6							
.65							
.7							
.725							
.75							
.76							
.775							
.8							
.834							
.85							
.857							
.865							
.9							
.9							
.95							
.953							
.965							

MACH (1) = .598 BETA (3) = 10.340

Y/BW	.299	.364	.427	.534	.673	.79	.887
X/CW							
.166	-.395	-.251	-.385	-.455	-.781	-.968	-1.6
.05				.241	.267	.239	.196
.181			.248				
.186		-.096					
.194	-.041						
.15				.172	.192	.178	.116
.177			.184				
.229	-.008						
.246		.121					
.25				.094	.128	.122	.057
.362	.073						
.4				.149	.083		-.023
.4			.085				
.497	.092						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA LOWER WING (REF=10)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 10.31

Y/BW	.299	.364	.427	.534	.673	.79	.883
X/CW							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.800							
.834							
.850							
.857							
.865							
.900							
.945							
.950							
.953							
.965							

MACH (2) = .899 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.79	.883
X/CW							
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 19 SEP 73 TABULATED PRESSURE DATA - OH12A

AMES 11-FT WT OH12 OEA LOWER WING (REPORT)

SECTION (1)LOWER WING LADENT VARIABLE CP

MACH (2) = .809 BETA (1) =-10.19

Y/BW	.299	.364	.427	.534	.673	.792	.887
X/CW							
.808			-.1760				
.834	-.1130						
.850				-.1150	-.1190	-.1320	
.857			-.1120				
.865	-.0940						
.900	-.1310			-.1620			-.2[illegible]
.915			-.1250				
.950				-.0370	-.1660	-.2550	
.953			-.0550				
.965	-.1520						

MACH (2) = .961 BETA (2) = .480

Y/BW	.299	.364	.427	.534	.673	.792	.887
X/CW							
.000	-.3210	-.2470	.1590	.3830	.2730	.2420	+.0580
.050				.2340	.2690	.2540	.2640
.081			.3130				
.086		.0740					
.094	.0720						
.150				.1990	.2440	.2[illegible]	.1560
.177			.1940				
.229	.1010						
.246		.2250					
.250				.1970	.1640	.1510	.1[illegible]
.362	.1940						
.400				.1190	.0460		-.1210
.402			.0570				
.497	.1240						
.550				-.0290	-.0580		
.565			-.0270				
.600							.1650
.650						.0840	
.700	-.0080				.0860		
.725				.1160			
.750						.1840	.0430
.760			.1270				
.775				.1590	.1460		
.808			.1050				
.834	.0350						
.850				-.1310	-.1340	-.1560	
.857			-.0960				
.865	.1210						
.900	-.0870			-.2610			-.2610
.905			-.2170				
.950				-.2820	-.3230	-.3130	
.953			-.3060				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LOWER WING (RUN 18)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3030						

MACH (2) = .895 BETA (3) = 10.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3660	-.1710	-.1540	-.0690	-.1370	-.2080	-.5480
.050				.2590	.2700	.2310	.2030
.081			.2980				
.086		-.0460					
.094	-.0480						
.150				.1940	.1820	.1730	.1750
.177			.2120				
.229	.0290						
.246		.1690					
.250				.1040	.1390	.1230	.0470
.362	.1160						
.400				.1180	.0790		-.0670
.402			.0850				
.497	.1300						
.550				.0110	-.0260		
.565			.0220				
.600							-.0680
.650						.0590	
.700	.0340				.0750		
.725				.1130			
.750						.1380	-.0170
.760			.1340				
.775				.1470	.1250		
.808			.1040				
.834	.0700						
.850				-.1150	-.1290	-.1780	
.857			-.0380				
.865	.1500						
.900	-.0020			-.2240			-.2830
.905			-.1620				
.950				-.2560	-.3010	-.3110	
.953			-.2540				
.965	-.2520						

AMES 11-7U7 OA12 O2A LOWER WING . (RBPL19) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4910	-.7080	-.3780	-.3180	-.5780	-.8010	-1.4200
.050				.5200	.5800	.5820	.5720
.081			.4790				
.086		.1820					
.094	.1710						
.150				.3960	.4310	.4400	.4150
.177			.3500				
.229	.1970						
.246		.3420					
.250				.2800	.3480	.3610	.3290
.362	.2850						
.400				.2270	.2500		.2140
.402			.1780				
.497	.2010						
.550				.1080	.1130		
.565			.0780				
.600							.1680
.650						.1770	
.700	.0640				.1320		
.725				.1580			
.750						.1890	.0850
.760			.1540				
.775				.1700	.1720		
.808			.1000				
.834	.0680						
.850				.0100	-.0050	-.0670	
.857			.0080				
.865	.1160						
.900	-.0240			-.0110			-.1940
.905			-.0020				
.950				.0320	-.0810	-.1470	
.953			.0180				
.965	-.0850						

MACH (1) = .597 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5310	-.4960	-.8840	-.9420	-1.1650	-1.4760	-2.1650
.050				.4520	.4850	.4570	.3980
.081			.4060				
.086		-.0140					
.094	.0620						

AMES 11-7X7 OA12 O2A LOWER WING

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3490	.3700	.3670	.3030
.177			.3290				
.229	.1070						
.246		.2610					
.250				.2520	.2940	.2890	.2210
.362	.2180						
.400				.2180	.2090		.1150
.402			.1840				
.497	.2150						
.550				.1140	.1100		
.565			.1050				
.600							.1050
.650						.1530	
.700	.1060				.1340		
.725				.1600			
.750						.1840	.0660
.760			.1720				
.775				.1810	.1700		
.808			.1280				
.834	.1130						
.850				.0640	.0460	-.0390	
.857			.0360				
.865	.1680						
.900	.0380			-.0240			-.1420
.905			-.0060				
.950				.0050	-.0410	-.0910	
.953			-.0120				
.965	-.0620						

MACH (1) = .599 BETA (3) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7230	-.4910	-1.0350	-1.6030	-1.8220	-2.1990	-2.6080
.050				.3190	.3230	.2660	.1620
.081			.2890				
.086		-.2120					
.094	-.1120						
.150				.2720	.2780	.2580	.1640
.177			.2760				
.229	-.0370						
.246		.1340					
.250				.2000	.2190	.1950	.0970
.362	.0900						
.400				.1930	.1620		.0180
.402			.1700				
.497	.1580						

AMES 11-7X7 OA12 O2A LOWER WING (REPL19)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1020	.0760		
.565			.1090				
.600							.0280
.650						.1040	
.700	.1070				.0950		
.725				.1390			
.750						.1280	-.0070
.760			.1670				
.775				.1510	.1310		
.800			.1280				
.834	.1260						
.850				-.0160	-.0240	-.0730	
.857			.0300				
.865	.1870						
.900	.0640			-.0550			-.1840
.905			-.0280				
.950				-.0420	-.0830	-.1270	
.953			-.0430				
.965	-.0500						

MACH (2) = .904 BETA (1) =-10.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4740	-.5590	.0800	.3650	.2710	.1970	-.1530
.050				.5360	.5730	.5700	.5590
.081			.5360				
.086		.2490					
.094	.2080						
.150				.4330	.4480	.4540	.4160
.177			.3940				
.229	.2540						
.246		.4170					
.250				.3070	.3730	.3750	.3410
.362	.3640						
.400				.2630	.2670		.2140
.402			.2110				
.497	.2590						
.550				.1070	.1120		
.565			.0830				
.600							.2080
.650						.2110	
.700	.0800				.1710		
.725				.1820			
.750						.2690	.1670
.760			.1760				
.775				.2030	.2200		

AMES 11-707 OA12 O2A LOWER WING (RBPL19)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.1220				
.834	.0810						
.850				-.0580	-.0420	-.0480	
.857			-.0640				
.865	.1480						
.900	-.0910			-.1730			-.1110
.905			-.1470				
.950				-.1890	-.2170	-.1940	
.953			-.1740				
.965	-.2110						

MACH (2) = .898 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4830	-.3350	-.3640	-.0920	-.1700	-.2780	-.6540
.050				.4940	.5150	.4770	.4370
.081			.4850				
.086		.0680					
.094	.0990						
.150				.3940	.3910	.3830	.3250
.177			.3870				
.229	.1650						
.246		.3390					
.250				.2840	.3210	.3110	.2410
.362	.2880						
.400				.2530	.2320		.1130
.402			.2200				
.497	.2780						
.550				.1170	.1010		
.565			.1130				
.600							.1320
.650						.1750	
.700	.1310				.1640		
.725				.1900			
.750						.2370	.1010
.760			.1990				
.775				.2170	.2110		
.808			.1590				
.834	.1190						
.850				-.0620	-.0520	-.0830	
.857			-.0200				
.865	.1890						
.900	-.0140			-.1770			-.1660
.905			-.1340				
.950				-.1920	-.2200	-.2200	
.953			-.2210				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL19)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .0U0

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2870						

MACH (2) = .897 BETA (3) = 19.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7280	-.3700	-.5760	-.6320	-.6700	-.8370	-.9880
.050				.3950	.3970	.3420	.2680
.081			.3760				
.086		-.1270					
.094	-.0500						
.150				.3350	.3230	.2960	.2170
.177			.3460				
.229	.0320						
.246		.2040					
.250				.2500	.2620	.2380	.1460
.362	.1490						
.400				.2350	.1930		.0420
.402			.2140				
.497	.2290						
.550				.1260	.0940		
.565			.1360				
.600							.0420
.650						.1300	
.700	.1450				.1350		
.725				.1780			
.750						.1780	.0210
.760			.1980				
.775				.1970	.1740		
.808			.1620				
.834	.1420						
.850				-.0600	-.0610	-.1180	
.857			.0190				
.865	.2150						
.900	.0530			-.1590			-.2120
.905			-.1040				
.950				-.1890	-.2200	-.2420	
.953			-.1980				
.965	-.2060						

AMES 11-707 OA12 OBA LOWER WING (RBPL20) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4940	-.6200	-1.0900	-1.0250	-1.1010	-1.1370	-1.3370
.050				.6640	.6960	.6760	.6380
.081			.5990				
.086		.1920					
.094	.2410						
.150				.5290	.5530	.5470	.4940
.177			.4880				
.229	.2890						
.246		.4500					
.250				.4060	.4530	.4510	.4120
.362	.3930						
.400				.3270	.3370		.2750
.402			.2840				
.497	.3230						
.550				.1800	.1930		
.565			.1630				
.600							.2110
.650						.2150	
.700	.1490				.1640		
.725				.1900			
.750						.2125	.1210
.760			.1930				
.775				.1920	.1810		
.808			.1220				
.834	.1160						
.850				.0020	-.0380	-.0860	
.857			.0290				
.865	.1620						
.900	.0020			-.0630			-.1940
.905			-.0180				
.950				-.0530	-.2190	-.3100	
.953			-.0380				
.965	-.0840						

MACH (1) = .599 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8330	-.6430	-1.4310	-1.7440	-1.6220	-1.4230	-1.2410
.050				.5350	.5480	.5100	.4130
.081			.4670				
.086		-.0580					
.094	.0540						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL2U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = .08U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.15U				.458U	.462U	.442U	.347U
.177			.431U				
.229	.14UU						
.246		.316U					
.25U				.357U	.375U	.355U	.266U
.362	.28UU						
.4UU				.3U2U	.278U		.149U
.4U2			.267U				
.497	.3U5U						
.55U				.171U	.15UU		
.565			.171U				
.6UU							.1U2U
.65U						.147U	
.7UU	.174U				.128U		
.725				.171U			
.75U						.153U	.U22U
.76U			.192U				
.775				.177U	.146U		
.8U8			.135U				
.834	.151U						
.85U				-.U32U	-.U67U	-.146U	
.857			.U31U				
.865	.2UUU						
.9UU	.U52U			-.U97U			-.294U
.9U5			-.U34U				
.95U				-.112U	-.254U	-.37UU	
.953			-.U71U				
.965	-.U7UU						

MACH (1) = .599 BETA (3) = 10.29U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.1UU	-1.U63U	-.747U	-1.411U	-2.399U	-1.932U	-1.4U1U	-1.121U
.15U				.337U	.334U	.285U	.155U
.181			.294U				
.186		-.322U					
.194	-.172U						
.15U				.349U	.345U	.3U8U	.183U
.177			.35UU				
.229	-.U4UU						
.246		.146U					
.25U				.282U	.275U	.249U	.123U
.362	.112U						
.4UU				.258U	.217U		.U31U
.4U2			.241U				
.497	.229U						

AMES 11-7D7 OA12 OBA LOWER WING (RBPL2U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = 10.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1580	.1130		
.565			.1700				
.600							.0630
.650						.1030	
.700	.1700				.1000		
.725				.1570			
.750						.0990	-.0510
.760			.1880				
.775				.1570	.1180		
.808			.1490				
.834	.1670						
.850				-.0340	-.0810	-.1560	
.857			.0360				
.865	.2170						
.900	.0930			-.1010			-.3210
.905			-.0300				
.950				-.1250	-.2460	-.3390	
.953			-.0660				
.965	-.0420						

MACH (2) = .902 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4630	-.4070	-.3320	.0120	-.0510	-.1560	-.5440
.050				.6960	.7210	.6980	.6630
.081			.6640				
.086		.2760					
.094	.2670						
.150				.5670	.5840	.5750	.5270
.177			.5340				
.229	.3280						
.246		.5190					
.250				.4430	.4930	.4930	.4410
.362	.4660						
.400				.3750	.3840		.3140
.402			.3280				
.497	.3800						
.550				.2170	.2210		
.565			.1950				
.600							.2850
.650						.2910	
.700	.1870				.2380		
.725				.2520			
.750						.3300	.2220
.760			.2400				
.775				.2630	.2820		

AMES 11-7X7 OA12 O2A LOWER WING (RBPL2U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2 = .902 BETA (1) =-10.190

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.808			.1780				
.834	.1450						
.850				.0100	.0340	.0250	
.857			.0050				
.865	.2010						
.900	-.0310			-.0980			-.0460
.905			-.0930				
.950				-.1390	-.1540	-.1320	
.953			-.1800				
.965	-.2910						

MACH (2) = .900 BETA (2) = .070

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.9010	-.4970	-.7500	-.5140	-.5380	-.6560	-.9140
.050				.5980	.6030	.5570	.4830
.081			.5620				
.086		.0560					
.094	.1070						
.150				.5060	.5040	.4830	.4020
.177			.4970				
.229	.2130						
.246		.4050					
.250				.4010	.4300	.4060	.3250
.362	.3660						
.400				.3550	.3350		.2070
.402			.3260				
.497	.3810						
.550				.2200	.2000		
.565			.2170				
.600							.1910
.650						.2400	
.700	.2290				.2240		
.725				.2530			
.750						.2830	.1440
.760			.2660				
.775				.2700	.2640		
.808			.2120				
.834	.1880						
.850				.0080	.0160	-.0170	
.857			.0440				
.865	.2510						
.900	.0520			-.1000			-.1040
.905			-.0640				
.950				-.1350	-.1590	-.1600	
.953			-.1590				

AMES 11-707 OA12 02A LOWER WING (RBPL20)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .070

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2430						

MACH (2) = .902 BETA (3) = 10.380

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.0600	-.5690	-.8100	-.9810	-1.0130	-.8990	-.8820
.050				.4450	.4390	.3770	.2680
.081			.4160				
.086		-.1720					
.094	-.0770						
.150				.4150	.4080	.3690	.2660
.177			.4300				
.229	.0530						
.246		.2360					
.250				.3430	.3480	.3140	.2090
.362	.1940						
.400				.3250	.2750		.1120
.402			.3050				
.497	.3040						
.550				.2180	.1750		
.565			.2270				
.600							.0900
.650						.1860	
.700	.2260				.1900		
.725				.2320			
.750						.2140	.0570
.760			.2650				
.775				.2440	.2210		
.808			.2120				
.834	.2020						
.850				-.0020	-.0030	-.0570	
.857			.0690				
.865	.2720						
.900	.1110			-.1010			-.1650
.905			-.0510				
.950				-.1380	-.1740	-.1920	
.953			-.1550				
.965	-.1720						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL21) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.84QU INCHES YMRP = .UUUU INCHES
BREF = 39.84SU INCHES ZMRP = .UUUU INCHES
SCALE = .U3UU SCALE

PARAMETRIC DATA

ALPHA = 2U.UUU RUDDER = .UUU
ELEVON = 1U.UUU RUDFLR = .UUU

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .6UU BETA (1) =-1U.U3U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.7951	-.7281	-1.7291	-1.7311	-1.4661	-1.4461	-1.2881
.U5U				.7421	.7571	.7171	.6291
.U81			.6621				
.U86		.1751					
.U94	.2661						
.15U				.6391	.6511	.6341	.5631
.177			.6031				
.229	.3491						
.246		.5311					
.25U				.5221	.5551	.5391	.4711
.362	.4891						
.4UU				.4291	.4381		.3451
.4U2			.3941				
.497	.4421						
.55U				.2791	.2751		
.565			.2601				
.6UU							.2791
.65U						.2881	
.7UU	.2481				.2251		
.725				.2551			
.75U						.2651	.1811
.76U			.2501				
.775				.2411	.2371		
.8U8			.1741				
.834	.1801						
.85U				.0361	.UU41	-.U341	
.857			.0651				
.865	.2171						
.9UU	.U561			-.U611			-.1531
.9U5			-.UU31				
.95U				-.1131	-.2361	-.2871	
.953			-.U5UU				
.965	-.U721						

MACH (1) = .6U1 BETA (2) = .U7U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-1.2111	-.9771	-2.UU21	-2.3541	-1.5851	-1.3461	-1.2081
.U5U				.5591	.5531	.4951	.3631
.U81			.4931				
.U86		-.1361					
.U94	.U2UU						

AMES 11-7U7 OA12 O2A LOWER WING (RBFL21)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (2) = .07U

Y/BW / X/CW	.299	.364	.427	.534	.673	.78U	.887
.15U				.536U	.535U	.497U	.382U
.177			.52UU				
.229	.166U						
.246		.353U					
.25U				.449U	.458U	.422U	.317U
.362	.341U						
.4UU				.388U	.366U		.2U9U
.4U2			.367U				
.497	.399U						
.55U				.257U	.234U		
.565			.259U				
.6UU							.159U
.65U						.219U	
.7UU	.263U				.188U		
.725				.234U			
.75U						.2U8U	.U87U
.76U			.253U				
.775				.226U	.2UU		
.8U8			.189U				
.834	.209U						
.85U				.U14U	-.U17U	-.U8UU	
.857			.U77U				
.865	.249U						
.9UU	.1U1U			-.U68U			-.226U
.9U5			.UU2U				
.95U				-.111U	-.255U	-.316U	
.953			-.U48U				
.965	-.U55U						

MACH (1) = .598 BETA (3) = 10.37U

Y/BW / X/CW	.299	.364	427	.534	.673	.78U	.887
.UUU	-1.41UU	-1.U58U	-1.91UU	-2.892U	-1.765U	-1.478U	-1.3U3U
.U5U				.322U	.295U	.229U	.U57U
.U81			.29UU				
.U86		-.422U					
.U94	-.24UU						
.15U				.4U6U	.384U	.34UU	.182U
.177			.414U				
.229	-.U51U						
.246		.155U					
.25U				.364U	.346U	.294U	.143U
.362	.149U						
.4UU				.34UU	.283U		.U67U
.4U2			.3?.U				
.497	.3U2U						

AMES 11-7U7 OA12 02A LOWER WING (RBFL21)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 16.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2360	.1920		
.565			.2520				
.600							.0290
.650						.1440	
.700	.2510				.1550		
.725				.2150			
.750						.1370	-.0150
.760			.2650				
.775				.2140	.1650		
.808			.2090				
.834	.2360						
.850				.0220	-.0460	-.1260	
.857			.1110				
.865	.2870						
.900	.1600			-.0440			-.2880
.905			.0390				
.950				-.0800	-.2780	-.3560	
.953			.0040				
.965	.0290						

MACH (2) = .902 BETA (1) =-10.100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6650	-.4980	-.8060	-.4190	-.4450	-.5720	-.8680
.050				.8050	.8170	.7820	.7130
.081			.7490				
.086		.2970					
.094	.3210						
.150				.6940	.7000	.6860	.6260
.177			.6620				
.229	.4130						
.246		.6110					
.250				.5750	.6090	.5990	.5340
.362	.5620						
.400				.4940	.4940		.4080
.402			.4520				
.497	.5090						
.550				.3420	.3430		
.565			.3160				
.600							.3590
.650						.3790	
.700	.3060				.3260		
.725				.3350			
.750						.3980	.2960
.760			.3230				
.775				.3370	.3580		

AMES 11-FT OA12 02A LOWER WING (RBPL21)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.2490				
.834	.2400						
.850				.0990	.1180	.1090	
.857			.0940				
.865	.2780						
.900	.0600			-.0100			.0320
.905			-.0640				
.950				-.0670	-.0790	-.0630	
.953			-.1080				
.965	-.2280						

MACH (2) = .894 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0960	-.7460	-1.0910	-.9030	-.9180	-1.0210	-.9040
.050				.6600	.6530	.5960	.4850
.081			.6120				
.086		.0290					
.094	.1150						
.150				.6070	.5970	.5670	.4640
.177			.5970				
.229	.2560						
.246		.4570					
.250				.5160	.5260	.4970	.3960
.362	.4280						
.400				.4640	.4360		.2890
.402			.4370				
.497	.4780						
.550				.3290	.3120		
.565			.3300				
.600							.2530
.650						.3190	
.700	.3380				.3020		
.725				.3300			
.750						.3420	.2080
.760			.3400				
.775				.3370	.3300		
.808			.2770				
.834	.2750						
.850				.0910	.0980	.0610	
.857			.1320				
.865	.3280						
.900	.1370			-.0160			-.0360
.905			.0190				
.950				-.0650	-.0900	-.0990	
.953			-.0890				

AMES 11-FT7 DA12 02A LOWER WING (RBFL21)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .894 BETA (2) = .0E0

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1500						

MACH (2) = .901 BETA (3) = 10.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3490	-.8850	-1.0650	-1.2440	-.8950	-.9250	-.8960
.050				.4600	.4390	.3730	.2270
.081			.4280				
.086		-.2220					
.094	-.1230						
.150				.4840	.4600	.4160	.2980
.177			.4920				
.229	.0580						
.246		.2550					
.250				.4300	.4140	.3750	.2500
.362	.2170						
.400				.4060	.3640		.1690
.402			.3900				
.497	.3700						
.550				.3040	.2590		
.565			.3080				
.600							.1430
.650						.2470	
.700	.3100				.2460		
.725				.2980			
.750						.2600	.0970
.760			.3230				
.775				.3010	.2720		
.808			.2740				
.834	.2720						
.850				.0710	.0620	.0080	
.857			.1360				
.865	.3340						
.900	.1740			-.0240			-.1170
.905			.0170				
.950				-.0690	-.1160	-.1430	
.953			-.0810				
.965	-.0860						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL22) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .UJUU SCALE

PARAMETRIC DATA

ALPHA = .UUU RUDDER = .UUU
ELEVON = -10.UUU RUDFLR = .UUU

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.97U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	.UU7U	-.U31U	.351U	.585U	.586U	.574U	.558U
.U5U				-.246U	-.311U	-.265U	-.407U
.U81			-.153U				
.U86		-.U34U					
.U94	-.U66U						
.15U				-.137U	-.149U	-.141U	-.155U
.177			-.145U				
.229	-.U31U						
.246		-.U69U					
.25U				-.188U	-.145U	-.138U	-.146U
.362	-.U36U						
.4UU				-.173U	-.201U		-.26UU
.4U2			-.2UUU				
.497	-.155U						
.55U				-.346U	-.393U		
.565			-.321U				
.6UU							.413U
.65U						-.532U	
.7UU	-.267U				-.669U		
.725				.425U			
.75U						-.674U	-.597U
.76U			-.625U				
.775				-.495U	-.644U		
.8U8			-.568U				
.834	-.424U						
.85U				-.351U	-.348U	-.289U	
.857			-.U88U				
.865	.399U						
.9UU	-.212U			-.188U			-.226U
.9U5			-.142U				
.95U				-.U63U	-.U4UU	-.345U	
.953			-.U25U				
.965	-.U32U						

MACH (1) = .595 BETA (2) = -3.94U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.UU2U	-.UU1U	.331U	.537U	.523U	.516U	.481U
.U5U				-.253U	-.309U	-.232U	-.342U
.U81			-.101U				
.U86		-.U23U					
.U94	-.U45U						

AMES 11-7X7 OA12 OEA LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .595 BETA (2) = -3.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.1140	-.1390	-.1340	-.1490
.177			-.1260				
.229	-.0200						
.246		-.0430					
.250				-.1820	-.1440	-.1410	-.1480
.362	-.0160						
.400				-.1670	-.2020		-.2690
.402			-.1950				
.497	-.1290						
.550				-.3440	-.3930		
.565			-.3160				
.600							.1880
.650						-.5370	
.700	-.2500				-.6510		
.725				.2530			
.750						-.6790	-.5870
.760			-.6480				
.775				-.5680	-.6450		
.808			-.5900				
.834	-.4180						
.850				-.3630	-.3480	-.2920	
.857			-.3090				
.865	.1070						
.900	-.2750			-.1960			-.2080
.905			-.1680				
.950				-.0620	-.0410	-.3510	
.953			-.0330				
.965	-.0730						

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0340	.0030	.2970	.4900	.4590	.4520	.4090
.050				-.2290	-.3270	-.2340	-.2810
.081			-.0560				
.086		-.0090					
.094	-.0200						
.150				-.0990	-.1250	-.1210	-.1380
.177			-.0980				
.229	-.0020						
.246		-.0060					
.250				-.1740	-.1370	-.1370	-.1510
.362	.0090						
.400				-.1580	-.2000		-.2680
.402			-.1680				
.497	-.1100						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = .000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550			*	-.3280	-.3820		
.565			-.2940				
.600							.2230
.650						-.5350	
.700	-.2220				-.6380		
.725				.2820			
.750						-.6780	-.5580
.760			-.6410				
.775				-.5690	-.6470		
.808			-.6010				
.834	-.4010						
.850				-.3700	-.3510	-.2820	
.857			-.2580				
.865	.0790						
.900	-.3110			-.2000			-.1830
.905			-.1830				
.950				-.0600	-.0390	-.3530	
.953			-.0480				
.965	-.1100						

MACH (1) = .596 BETA (4) = 4.200

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0950	-.0180	.2570	.4330	.3960	.3900	.3340
.050				-.1630	-.2340	-.2500	-.2190
.081			.0040				
.086		-.0060					
.094	-.0100						
.150				-.0760	-.0950	-.1010	-.1270
.177			-.0650				
.229	.0020						
.246		.0190					
.250				-.1520	-.1220	-.1270	-.1300
.362	.0160						
.400				-.1370	-.1840		-.2620
.402			-.1490				
.497	-.0770						
.550				-.3090	-.3700		
.565			-.2640				
.600							.2680
.650						-.5150	
.700	-.2040				-.6330		
.725				.3170			
.750						-.6460	-.5430
.760			-.6210				
.775				-.5650	-.6410		

AMES 11-7U7 OA12 O2A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5970				
.834	-.4000						
.850				-.3630	-.3350	-.2590	
.857			-.1930				
.865	.1550						
.900	-.3460			-.1840			-.1560
.905			-.1940				
.950				-.0420	-.0260	-.3320	
.953			-.0550				
.965	-.1500						

MACH (1) = .597 BETA (5) = 8.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1740	-.0550	.1910	.3640	.3160	.3140	.2390
.050				-.1040	-.1410	-.1330	-.1770
.081			.0555				
.086		-.0080					
.094	-.0070						
.150				-.0600	-.0600	-.0870	-.1210
.177			-.0330				
.229	.0000						
.246		.0440					
.250				-.1330	-.1160	-.1250	-.1410
.362	.0290						
.400				-.1210	-.1790		-.2670
.402			-.1250				
.497	-.0550						
.550				-.2910	-.3560		
.565			-.2280				
.600							.3150
.650						-.5070	
.700	-.1780				-.6360		
.725				.3520			
.750						-.6340	-.5090
.760			-.6040				
.775				-.5620	-.6310		
.808			-.5920				
.834	-.3940						
.850				-.3590	-.3230	-.2530	
.857			-.1130				
.865	.2670						
.900	-.3670			-.1790			-.1360
.905			-.2070				
.950				-.0390	-.0270	-.3190	
.953			-.0710				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 0.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1760						

MACH (2) = .904 BETA (1) = -8.090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0250	-.0030	.4470	.6870	.6670	.6530	.6060
.050				-.2340	-.4670	-.3590	-.3740
.081			-.0680				
.086		.0120					
.094	-.0440						
.150				-.0500	-.0840	-.0630	-.0750
.177			-.0900				
.229	.0130						
.246		.0190					
.250				-.1290	-.0580	-.0430	-.0630
.362	.0530						
.400				-.0690	-.0890		-.2010
.402			-.1300				
.497	-.1000						
.550				-.2440	-.3150		
.565			-.2510				
.600							.7160
.650						-.3940	
.700	-.2120				-.3560		
.725				.7670			
.750						-1.0170	-.9890
.760			-.5150				
.775				.4300	-.5640		
.808			-.7210				
.834	-.4130						
.850				-.4860	-.3860	-.5020	
.857			.1780				
.865	.5210						
.900	-.4370			-.4590			-.5720
.909			-.4350				
.950				-.3390	-.4110	-.3790	
.953			-.4050				
.965	-.2990						

MACH (2) = .902 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0160	.0290	.4070	.6240	.5880	.5750	.5190
.050				-.2160	-.3580	-.3490	-.2790
.081			.0010				
.086		.0330					
.094	-.0040						

AMES 11-7U7 OA12 OBA LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0380	-.0620	-.0590	-.0780
.177			-.0570				
.229	.0350						
.246		.0610					
.250				-.1250	-.0540	-.0530	-.0720
.362	.0860						
.400				-.0620	-.0890		-.2210
.402			-.1170				
.497	-.0570						
.550				-.2300	-.3210		
.565			-.2250				
.600							.6420
.650						-.4090	
.700	-.1810				-.4250		
.725				.7130			
.750						-1.0300	-.9850
.760			-.4900				
.775				.4260	-.5760		
.808			-.8320				
.834	-.3910						
.850				-.4620	-.4050	-.5050	
.857			.0720				
.865	.3890						
.900	-.4670			-.5300			-.5560
.905			-.4530				
.950				-.3730	-.4200	-.4110	
.953			-.4590				
.965	-.3390						

MACH (2) = .898 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0250	.0250	.3610	.5580	.5090	.4920	.4210
.050				-.1610	-.2700	-.2980	-.2200
.081			.0490				
.086		.0320					
.094	.0130						
.150				-.0280	-.0640	-.0540	-.0930
.177			-.0370				
.229	.0400						
.246		.0810					
.250				-.1180	-.0600	-.0590	-.0920
.362	.0920						
.400				-.0580	-.0940		-.2450
.402			-.1130				
.497	-.0370						

AMES 11-7D7 OA12 02A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2190	-.3240		
.565			-.2130				
.600							.4410
.650						-.4170	
.700	-.1630				-.4690		
.725				.5540			
.750						-1.0390	-1.0240
.760			-.4710				
.775				.4030	-.5890		
.808			-.9680				
.834	-.3460						
.850				-.4460	-.4180	-.4990	
.857			-.1380				
.865	.1120						
.900	-.5080			-.5290			-.5470
.905			-.4700				
.950				-.4300	-.4280	-.4210	
.953			-.4880				
.965	-.3790						

MACH (2) = .899 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0930	.0040	.3130	.4940	.4370	.4230	.3360
.050				-.0940	-.1880	-.2230	-.1820
.081			.0960				
.086		.0350					
.094	.0340						
.150				-.0160	-.0510	-.0510	-.0990
.177			-.0040				
.229	.0520						
.246		.0960					
.250				-.1130	-.0580	-.0640	-.1080
.362	.0960						
.400				-.0520	-.0970		-.2620
.402			-.1010				
.497	-.0100						
.550				-.2070	-.3100		
.565			-.1930				
.600							.3670
.650						-.4270	
.700	-.1490				-.4240		
.725				.5010			
.750						-.6540	-.6740
.760			-.4440				
.775				.3300	-.5830		

AMES 11-7FT OA12 02A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.250 Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.9560				
.834	-.3010						
.850				-.4900	-.3760	-.4560	
.857			-.2800				
.865	.0440						
.900	-.5170			-.4810			-.4880
.905			-.4710				
.950				-.4420	-.4070	-.3810	
.953			-.4340				
.965	-.3640						

MACH (2) = .900 BETA (5) = 8.410 Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1330	-.0150	.2200	.4190	.3500	.3360	.2240
.050				-.0340	-.0920	-.1210	-.1340
.081			.1310				
.086		.0200					
.094	.0280						
.150				.0000	-.0410	-.0480	-.1000
.177			.0210				
.229	.0350						
.246		.1050					
.250				-.0930	-.0540	-.0700	-.1240
.362	.0820						
.400				-.0450	-.0960		-.2720
.402			-.0890				
.497	-.0010						
.550				-.1960	-.3020		
.565			-.1750				
.600							.3080
.650						-.4290	
.700	-.1370				-.4500		
.725				.4530			
.750						-.5580	-.5240
.760			-.4150				
.775				.3100	-.5320		
.808			-.9580				
.834	-.3040						
.850				-.4510	-.3670	-.4300	
.857			-.3270				
.865	-.0130						
.900	-.6120			-.4580			-.4820
.905			-.4440				
.950				-.4440	-.4110	-.3800	
.953			-.4260				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL22)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .9UU BETA (5) = 0.41U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.375U						

AMES 11-707 OA12 O2A LOWER WING (RBPL23) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0510	.0050	.3020	.5130	.4260	.4130	.1460
.050				.1290	.1670	.1850	.1760
.081			.1870				
.086		.1040					
.094	.0670						
.150				.1040	.1160	.1140	.0880
.177			.0770				
.229	.0820						
.246		.1390					
.250				.0160	.0550	.0580	.0250
.362	.1120						
.400				-.0340	-.0550		-.1310
.402			-.0700				
.497	-.0080						
.550				-.2420	-.2900		
.565			-.2170				
.600							.3660
.650						-.4490	
.700	-.1790				-.6290		
.725				.3870			
.750						-.6630	-.5640
.760			-.5910				
.775				-.4520	-.6440		
.808			-.5710				
.834	-.3850						
.850				-.3670	-.3260	-.3110	
.857			-.1720				
.865	.2820						
.900	-.2190			-.2060			-.2020
.905			-.1650				
.950				-.0420	-.0290	-.3250	
.953			-.0170				
.965	-.0350						

MACH (1) = .998 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1990	-.1340	.1720	.3810	.2840	.2670	-.0460
.050				.1610	.1830	.1870	.1780
.081			.2040				
.086		.0720					
.094	.0570						

AMES 11-7U7 OA12 O2A LOWER WING (RBFL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.97U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.15U				.112U	.11UU	.113U	.075U
.177			.U9UU				
.229	.U74U						
.246		.147U					
.25U				.U16U	.U55U	.U51U	.U12U
.362	.12UU						
.4UU				-.1U28U	-.U65U		-.144U
.4U2			-.U62U				
.497	.U2UU						
.55U				-.229U	-.287U		
.565			-.2U5U				
.6UU							.323U
.65U						-.448U	
.7UU	-.154U				-.6U4U		
.725				.351U			
.75U						-.665U	-.561U
.76U			-.588U				
.775				-.417U	-.655U		
.8U8			-.582U				
.834	-.367U						
.85U				-.363U	-.316U	-.3U9U	
.857			-.238U				
.865	.185U						
.9UU	-.267U			-.2U1U			-.2UUU
.9U5			-.175U				
.95U				-.U41U	-.U31U	-.322U	
.953			-.U23U				
.965	-.U66U						

MACH (1) = .599 BETA (3) = .08U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.356U	-.297U	.U5UU	.232U	.132U	.11UU	-.246U
.U5U				.16UU	.182U	.131U	.169U
.U81			.218U				
.U86		.U31U					
.U94	.U37U						
.15U				.111U	.1U6U	.1UUU	.U57U
.177			.1U2U				
.229	.U56U						
.246		.142U					
.25U				-.U03U	.U49U	.U37U	-.U06U
.362	.111U						
.4UU				-.U27U	-.U6UU		-.165U
.4U2			-.U52U				
.497	.U27U						

AMES 11-7U7 OA12 O2A LOWER WING (RBFL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2250	-.2880		
.565			-.1910				
.600							.2730
.650						-.4620	
.700	-.1400				-.5980		
.725				.3110			
.750						-.6610	-.5540
.760			-.5880				
.775				-.3940	-.6550		
.808			-.5840				
.834	-.3630						
.850				-.3630	-.3180	-.3040	
.857			-.3660				
.865	.1000						
.900	-.3070			-.1960			-.2010
.905			-.1940				
.950				-.0380	-.0230	-.3170	
.953			-.0490				
.965	-.1180						

MACH (1) = .598 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3650	-.2880	-.1010	.0670	-.0330	-.0640	-.4460
.050				.1810	.1890	.1750	.1530
.081			.2260				
.086		-.0160					
.094	.0110						
.150				.1100	.0970	.0960	.0410
.177			.1120				
.229	.0270						
.246		.1310					
.250				.0460	.0430	.0270	-.0330
.362	.0970						
.400				-.0240	-.0710		-.1780
.402			-.0440				
.497	.0340						
.550				-.2120	-.2830		
.565			-.1790				
.600							.2270
.650						-.4600	
.700	-.1290				-.5920		
.725				.2710			
.750						-.6430	-.5350
.760			-.5850				
.775				-.3820	-.6390		

AMES 11-FT OA12 OA LOWER WING (F8PL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5910				
.834	-.3610						
.850				-.3570	-.2880	-.2800	
.857			-.3590				
.865	.0250						
.900	-.3500			-.1960			-.1760
.905			-.2160				
.950				-.0410	-.0260	-.2890	
.953			-.1620				
.965	-.1680						

MACH (1) = .596 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3620	-.2380	-.2170	-.1170	-.2240	-.3030	-.7430
.050				.1820	.1920	.1670	.1370
.081			.2140				
.086		-.0660					
.094	-.0280						
.150				.1080	.0990	.0870	.0240
.177			.1110				
.229	-.0030						
.246		.1070					
.257				.0120	.0240	.0160	-.0520
.362	.0650						
.400				-.0140	-.0740		-.2150
.402			-.0550				
.497	.0310						
.550				-.2010	-.2720		
.565			-.1630				
.600							.1770
.650						-.4540	
.700	-.1150				-.5820		
.725				.2310			
.750						-.6220	-.5150
.760			-.5700				
.775				-.3790	-.0190		
.808			-.5830				
.834	-.3510						
.850				-.3490	-.3100	-.2700	
.857			-.4140				
.865	-.0420						
.900	-.3780			-.1940			-.1600
.905			-.2310				
.950				-.0480	-.0240	-.3690	
.953			-.0750				

AMES 11-FT OA12 OA LOWER WING (RBPL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2140						

MACH (2) = .903 BETA (1) = -8.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0640	.0360	.4000	.6470	.5650	.5570	.3360
.050				.1860	.2280	.2540	.2300
.081			.2680				
.086		.1490					
.094	.0930						
.150				.1850	.1860	.1960	.1600
.177			.1560				
.229	.1210						
.246		.2210					
.250				.0930	.1520	.1570	.1050
.362	.1980						
.400				.0660	.0720		-.0530
.402			.0140				
.497	.0720						
.550				-.1290	-.2180		
.565			-.1300				
.600							.1830
.650						-.2670	
.700	-.1000				-.3770		
.725				.3350			
.750						-.9800	-.9450
.760			-.3980				
.775				.2380	-.9690		
.808			-.7780				
.834	-.3050						
.850				-.4450	-.4490	-.4120	
.857			-.4430				
.865	-.1220						
.900	-.3560			-.4800			-.4290
.905			-.4050				
.950				-.4510	-.3050	-.4460	
.953			-.4050				
.965	-.2740						

MACH (2) = .902 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2520	-.1280	.2800	.5200	.4250	.4130	.1520
.050				.2120	.2390	.2460	.2320
.081			.2960				
.086		.1130					
.094	.0850						

AMES 11-7ft OA12 02A LOWER WING (RBPL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1820	.1820	.1850	.1380
.177			.1690				
.229	.1160						
.246		.2260					
.250				.0750	.1390	.1410	.0830
.362	.2010						
.400				.0710	.0650		-.0820
.402			.0280				
.497	.0990						
.500				-.1170	-.2190		
.565			-.1075				
.600							.1960
.650						-.2960	
.700	-.0740				-.3750		
.725				.3460			
.750						-.9940	-.9430
.760			-.3710				
.775				.2560	-.9120		
.809			-.9440				
.834	-.2540						
.850				-.4460	-.4120	-.4520	
.857			-.4370				
.865	-.1080						
.900	-.4370			-.4560			-.5130
.905			-.4370				
.950				-.3960	-.4000	-.4070	
.953			-.4210				
.965	-.2980						

MACH (2) = .901 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3160	-.2420	.1580	.3920	.2820	.2570	.1650
.050				.2250	.2440	.2430	.2220
.081			.3090				
.086		.0720					
.094	.0680						
.150				.1830	.1750	.1780	.1160
.177			.1060				
.229	.0950						
.246		.2210					
.250				.0770	.1360	.1290	.0530
.362	.1840						
.400				.0770	.0560		-.1120
.402			.0390				
.497	.1130						

AMES 11-707 OA12 OEA LOWER WING (RBPL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1040	-.2150		
.565			-.0890				
.600							.2070
.650						-.2920	
.700	-.0530				-.3770		
.725				.3650			
.750						-1.0080	-.9810
.760			-.3480				
.775				.2630	-.8170		
.808			-.9320				
.834	-.2350						
.850				-.4330	-.3370	-.4250	
.857			-.4210				
.865	-.0920						
.900	-.5050			-.4480			-.4900
.905			-.4320				
.950				-.4090	-.4020	-.3320	
.953			-.4080				
.965	-.3370						

MACH (2) = .903 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2980	-.2010	.0040	.2410	.1280	.0960	-.1950
.050				.2440	.2370	.2320	.1990
.081			.3080				
.086		.0230					
.094	.0390						
.150				.1770	.1640	.1600	.0650
.177			.1920				
.229	.0660						
.246		.2030					
.250				.0730	.1130	.1070	.0200
.362	.1570						
.400				.0760	.0400		-.1450
.402			.0390				
.497	.1180						
.550				-.0950	-.2030		
.565			-.0770				
.600							.2290
.650						-.2970	
.700	-.0420				-.3060		
.725				.3670			
.750						-1.0090	-.8260
.760			-.3360				
.775				.2700	-.8790		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.9250				
.834	-.2290						
.850				-.4170	-.3520	-.4280	
.857			-.4020				
.865	-.0740						
.900	-.7360			-.4330			-.4340
.905			-.4200				
.950				-.4200	-.4130	-.3550	
.953			-.3840				
.965	-.3500						

MACH (2) = .901 BETA (5) = 8.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3290	-.1650	-.0930	.0870	-.0360	-.0760	-.3960
.050				.2410	.2500	.2130	.1760
.081			.2950				
.086		-.0260					
.094	.0050						
.150				.1670	.1640	.1530	.0700
.177			.1890				
.229	.0360						
.246		.1750					
.250				.0710	.1050	.0810	-.0030
.362	.1190						
.400				.0740	.0290		-.1680
.402			.0440				
.497	.1110						
.550				-.0880	-.1940		
.565			-.0610				
.600							.2620
.650						-.2980	
.700	-.0370				-.4150		
.725				.4160			
.750						-1.0170	-.5050
.760			-.3270				
.775				.2890	-.8460		
.808			-.9180				
.834	-.2380						
.850				-.4310	-.3990	-.4460	
.857			-.3710				
.865	-.0510						
.900	-.7720			-.4340			-.4130
.905			-.4240				
.950				-.4160	-.4330	-.3990	
.953			-.3940				

AMES 11-707 OA12 02A LOWER WING (RBPL23)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 0.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3680						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL24) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -8.060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5420	-.7010	-.3140	-.2230	-.4110	-.5480	-1.1450
.050				.4430	.4900	.4860	.4580
.081			.4230				
.086		.1440					
.094	.1460						
.150				.3160	.3270	.3320	.2810
.177			.2800				
.229	.1650						
.246		.2970					
.250				.1800	.2270	.2250	.1790
.362	.2380						
.400				.1010	.0810		-.0040
.402			.0660				
.497	.1440						
.550				-.1230	-.1600		
.565			-.1050				
.600							.0970
.650						-.3560	
.700	-.0690				-.4900		
.725				.1470			
.750						-.5970	-.5190
.760			-.5120				
.775				-.3230	-.5970		
.808			-.5200				
.834	-.2930						
.850				-.3400	-.2880	-.3020	
.857			-.5180				
.865	-.1670						
.900	-.2020			-.1980			-.2360
.905			-.1850				
.950				-.0490	-.0430	-.2890	
.953			-.0190				
.965	-.0360						

MACH (1) = .989 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4550	-.5530	-.5300	-.4490	-.6280	-.7890	-1.3900
.050				.4330	.4590	.4390	.4130
.081			.4010				
.086		.0590					
.094	.0990						

AMES 11-707 OA12 O2A LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.2970	.3110	.3020	.2450
.177			.2730				
.229	.1310						
.246		.2680					
.250				.1680	.2040	.1960	.1490
.362	.2170						
.400				.0960	.0680		-.0430
.402			.0690				
.497	.1450						
.550				-.1220	-.1750		
.565			-.0920				
.600							.0990
.650						-.3730	
.700	-.0600				-.4950		
.725				.1570			
.750						-.6190	-.5360
.760			-.5220				
.775				-.3400	-.6060		
.808			-.5440				
.834	-.2900						
.850				-.3570	-.3080	-.3110	
.857			-.5120				
.865	-.1550						
.900	-.2570			-.2140			-.2310
.905			-.2070				
.950				-.0510	-.0580	-.3040	
.953			-.0430				
.965	-.0880						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4970	-.4730	-.6660	-.6570	-.6310	-1.0280	-1.6200
.050				.4020	.4340	.3950	.3620
.081			.3720				
.086		-.0080					
.094	.0500						
.150				.2840	.2940	.2850	.2170
.177			.2690				
.229	.0890						
.246		.2320					
.250				.1600	.1920	.1760	.1190
.362	.1840						
.400				.0920	.0580		-.0610
.402			.0710				
.497	.1490						

AMES 11-707 OA12 O2A LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1190	-.1730		
.565			-.0850				
.600							.1040
.650						-.3740	
.700	-.0420				-.5040		
.725				.1640			
.750						-.6130	-.5180
.760			-.5140				
.775				-.3590	-.6170		
.808			-.5490				
.834	-.2950						
.850				-.3680	-.3030	-.3140	
.857			-.5040				
.865	-.1410						
.900	-.3000			-.2210			-.2240
.905			-.2380				
.950				-.0520	-.0660	-.3050	
.953			-.0720				
.965	-.1320						

MACH (1) = .900 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5740	-.4330	-.7300	-.8830	-1.0460	-1.2520	-1.7620
.050				.3690	.3870	.3500	.3110
.081			.3350				
.086		-.0780					
.094	-.0090						
.150				.2600	.2640	.2520	.1760
.177			.2520				
.229	.0470						
.246		.1930					
.250				.1450	.1660	.1510	.0830
.362	.1460						
.440				.0880	.0400		-.0960
.482			.0700				
.497	.1400						
.550				-.1180	-.1790		
.565			-.0810				
.600							.1160
.650						-.3850	
.700	-.0370				-.5130		
.725				.1780			
.750						-.6070	-.5150
.760			-.5210				
.775				-.3760	-.6070		

AMES 11-707 OA12 OEA LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5610				
.834	-.2950						
.850				-.3650	-.3070	-.3130	
.857			-.4850				
.865	-.1200						
.900	-.3430			-.2250			-.2140
.905			-.2480				
.950				-.0680	-.0710	-.3090	
.953			-.0930				
.965	-.1920						

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6380	-.4170	-.7750	-1.1210	-1.2850	-1.5140	-1.9320
.050				.3230	.3410	.2910	.2450
.081			.2870				
.086		-.1530					
.094	-.0780						
.150				.2360	.2410	.2220	.1430
.177			.2320				
.229	-.0120						
.246		.1410					
.250				.1340	.1470	.1250	.0540
.362	.0940						
.400				.0060	.0310		-.1180
.402			.0690				
.497	.1180						
.550				-.1070	-.1870		
.565			-.0700				
.600							.1430
.650						-.3840	
.700	-.0310				-.5280		
.725				.2040			
.750						-.6020	-.5070
.760			-.5040				
.775				-.3760	-.6010		
.800			-.5550				
.834	-.2990						
.850				-.3580	-.2980	-.3130	
.857			-.4490				
.865	-.0840						
.900	-.3750			-.2270			-.2140
.905			-.2540				
.950				-.0870	-.0710	-.2980	
.953			-.0970				

AMES 11-7U7 OA12 OEA LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2430						

MACH (2) = .900 BETA (1) = -0.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3900	-.4570	.0040	.3010	.2170	.1650	-.1540
.050				.5040	.5260	.5190	.4900
.081			.5170				
.086		.2050					
.094	.1820						
.150				.3950	.3940	.4020	.3420
.177			.3770				
.229	.2280						
.246		.3950					
.250				.2680	.3130	.3180	.2530
.362	.3480						
.400				.2110	.2120		.0870
.402			.1710				
.497	.2470						
.550				.0080	-.0690		
.565			.0060				
.600							.1770
.650						-.1150	
.700	.0280				-.3120		
.725				.3170			
.750						-.9520	-.9180
.760			-.2710				
.775				.2240	-.9230		
.808			-.9030				
.834	-.2170						
.850				-.4280	-.5130	-.8220	
.857			-.4580				
.865	-.1310						
.900	-.5080			-.4320			-.5990
.905			-.4110				
.950				-.4200	-.5200	-.5220	
.953			-.3790				
.965	-.3290						

MACH (2) = .900 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4290	-.3810	-.1760	.1380	.0610	-.0100	-.3360
.050				.5010	.5090	.4870	.4520
.081			.5050				
.086		.1380					
.094	.1470						

AMES 11-FT OA12 OA LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .910 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3850	.3860	.3800	.3100
.177			.3790				
.229	.1940						
.246		.3720					
.250				.2620	.2970	.2880	.2210
.362	.3240						
.400				.2160	.2070		.0460
.402			.1810				
.497	.2560						
.550				.0160	-.0720		
.565			.0270				
.600							.1510
.650						-.1300	
.700	.0500				-.2630		
.725				.2880			
.750						-.9610	-.9360
.760			-.2510				
.775				.1510	-.9040		
.808			-.8920				
.834	-.1680						
.850				-.6720	-.5470	-.9790	
.857			-.5370				
.865	-.1390						
.900	-.7170			-.5020			-.7650
.905			-.4790				
.950				-.4720	-.5710	-.5430	
.953			-.4270				
.965	-.3820						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4730	-.3280	-.3150	-.0510	-.1140	-.2000	-.5390
.050				.4730	.4850	.4440	.4010
.081			.4730				
.086		.0700					
.094	.0990						
.150				.3660	.3650	.3520	.2700
.177			.3640				
.229	.1540						
.246		.3290					
.250				.2480	.2760	.2620	.1830
.362	.2840						
.400				.2050	.1850		.0070
.402			.1770				
.497	.2570						

AMES 11-707 OA12 02A LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0210	-.0700		
.565			.0350				
.600							.1350
.650						-.1470	
.700	.0660				-.2560		
.725				.2690			
.750						-.9650	-.9510
.760			-.2430				
.775				.1380	-.8860		
.808			-.8790				
.834	-.1490						
.850				-.7920	-.5600	-1.0010	
.857			-.5720				
.865	-.1400						
.900	-.7140			-.6020			-.8520
.905			-.5050				
.950				-.5080	-.5930	-.5690	
.953			-.4790				
.965	-.5020						

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5300	-.3250	-.4240	-.2360	-.3000	-.4110	-.7060
.050				.4390	.4420	.3940	.3410
.081			.4350				
.086		-.0070					
.094	.0390						
.150				.3400	.3360	.3170	.2260
.177			.3500				
.229	.1070						
.246		.2820					
.250				.2300	.2530	.2270	.1410
.362	.2340						
.400				.1960	.1670		-.0280
.402			.1720				
.497	.2390						
.550				.0180	-.0780		
.565			.0440				
.600							.1130
.650						-.1700	
.700	.0690				-.2660		
.725				.2460			
.750						-.9800	-.9750
.760			-.2380				
.775				.1120	-.8890		

AMES 11-707 OA12 OEA LOWER WING (RBPL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.8770				
.834	-.1450						
.850				-.8720	-.5650	-1.0140	
.857			-.6230				
.865	-.1460						
.900	-.7230			-.6060			-.8540
.905			-.6090				
.950				-.4910	-.6160	-.5630	
.953			-.5080				
.965	-.6650						

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6330	-.3580	-.5290	-.4640	-.5160	-.6290	-.8650
.050				.3950	.3910	.3370	.2730
.081			.3860				
.086		-.0850					
.094	-.0300						
.150				.3130	.3040	.2740	.1790
.177			.3280				
.229	.0500						
.246		.2220					
.250				.2100	.2220	.1940	.0980
.362	.1680						
.400				.1850	.1460		-.0650
.402			.1610				
.497	.2160						
.550				.0170	-.0870		
.565			.0440				
.600							.0920
.650						-.1090	
.700	.0700				-.2700		
.725				.2270			
.750						-.9780	-.9940
.760			-.2390				
.775				.0950	-.8780		
.808			-.8740				
.834	-.1340						
.850				-.8720	-.5500	-1.0160	
.857			-.6510				
.865	-.1470						
.900	-.7340			-.6460			-.9610
.905			-.6680				
.950				-.4710	-.6590	-.5590	
.953			-.5120				

AMES 11-7U7 OA12 O2A LOWER WING (RBFL24)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.837U						

AM[illegible]7 OA12 O2A LOWER WING (RBPL25) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5470	-.6030	-1.0720	-1.0160	-.9970	-.8730	-1.0810
.050				.6190	.6340	.6000	.5590
.081			.5480				
.086		.1330					
.094	.1930						
.150				.4650	.4780	.4560	.3870
.177			.4330				
.229	.2400						
.246		.3990					
.250				.3240	.3520	.3380	.2750
.362	.3470						
.400				.2140	.1920		.0750
.412			.1830				
.497	.2730						
.550				-.0240	-.0730		
.565			-.0030				
.600							.0990
.650						-.3150	
.700	.0180				-.4680		
.725				.1450			
.750						-.6560	-.5730
.760			-.4720				
.775				-.3140	-.6560		
.808			-.5280				
.834	-.2480						
.850				-.4120	-.3910	-.4620	
.857			-.5180				
.865	-.1690						
.900	-.2130			-.2930			-.4420
.905			-.2410				
.950				-.1400	-.2720	-.3900	
.953			-.1070				
.965	-.0690						

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6910	-.5920	-1.1960	-1.2750	-1.1860	-1.1650	-1.0190
.050				.5680	.5890	.5490	.4810
.081			.5040				
.086		.0390					
.094	.1170						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.4400	.4450	.4[illegible]0	.3350
.177			.4160				
.229	.1870						
.246		.3540					
.250				.3080	.3260	.2960	.2230
.362	.3070						
.400				.2060	.1690		.0200
.402			.1820				
.497	.2680						
.550				-.0300	-.0950		
565			-.0040				
.600							.0910
.650						-.3450	
.700	.0330				-.4660		
.725				.1380			
.750						-.6880	-.6110
.760			-.4850				
.775				-.3060	-.6800		
.808			-.5550				
.834	-.2390						
.850				-.4250	-.4090	-.4800	
.857			-.5330				
.865	-.1780						
.900	-.2710			-.3090			-.4650
.905			-.2700				
.950				-.1830	-.2800	-.4090	
.953			-.1340				
.965	-.1280						

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7970	-.6110	-1.2680	-1.5150	-1.3550	-1.2410	-1.0110
.050				.5100	.5260	.4850	.4080
.081			.4490				
.086		-.0560					
.094	.0420						
.150				.4000	.4040	.3820	.2820
.177			.3890				
.229	.1290						
.246		.2970					
.250				.2800	.2920	.2640	.1780
.362	.2590						
.400				.1910	.1410		-.0180
.402			.1740				
.497	.2550						

AMES 11-707 OA12 OEA LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.0360	-.1040		
.565			.0020				
.600							.0730
.650						-.3590	
.700	.0360				-.4760		
.725				.1150			
.750						-.6900	-.6160
.760			-.4850				
.775				-.3180	-.6870		
.800			-.5650				
.834	-.2420						
.850				-.4320	-.4080	-.4840	
.857			-.5580				
.865	-.1920						
.900	-.3140			-.3340			-.4710
.905			-.2930				
.950				-.1980	-.2750	-.4110	
.953			-.1440				
.965	-.1860						

MACH (1) = .801 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9250	-.6650	-1.3670	-1.8270	-1.5780	-1.2570	-1.0090
.050				.4420	.4620	.4090	.3240
.081			.3860				
.086		-.1570					
.094	-.0500						
.150				.3670	.3660	.3320	.2240
.177			.3580				
.229	.0580						
.246		.2330					
.250				.2550	.2630	.2210	.1270
.362	.1920						
.400				.1760	.1270		-.0600
.402			.1650				
.497	.2250						
.550				-.0410	-.1210		
.565			.0010				
.600							.0570
.650						-.3810	
.700	.0390				-.4770		
.725				.1080			
.750						-.6690	-.6210
.760			-.4820				
.775				-.3180	-.6850		

AMES 11-7D7 OA12 O2A LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5610				
.834	-.2420						
.850				-.4370	-.4170	-.4780	
.857			-.5690				
.865	-.1980						
.900	-.3590			-.3360			-.4740
.905			-.3020				
.950				-.2070	-.2700	-.4140	
.953			-.1530				
.965	-.2440						

MACH (1) = .801 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9900	-.6920	-1.3140	-2.0620	-1.9400	-1.3530	-.8400
.050				.3700	.3850	.3440	.2500
.081			.3210				
.086		-.2540					
.094	>40						
.15[illegible]				.3320	.3300	.2990	.1800
.1[illegible]			.3280				
.2[illegible]	>40						
.246		.1640					
.250				.2370	.2370	.1950	.0870
.362	.1230						
.400				.1720	.1100		-.0880
.402			.1580				
.497	.2010						
.550				-.0330	-.1240		
.565			.0070				
.600							.0330
.650						-.3650	
.700	.0470				-.4790		
.725				.0870			
.750						-.6650	-.6090
.768			-.4650				
.775				-.3310	-.6720		
.808			-.5490				
.834	-.2410						
.850				-.4290	-.3920	-.4560	
.857			-.5910				
.865	-.2130						
.900	-.3840			-.3280			-.4500
.905			-.3140				
.950				-.2040	-.2420	-.3880	
.953			-.1530				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2700						

MACH (2) = .902 BETA (1) = -8.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5670	-.4160	-.4210	-.0770	-.1200	-.2150	-.5070
.050				.6680	.6740	.6470	.5960
.081			.6400				
.086		.2290					
.094	.2310						
.150				.5350	.5400	.5250	.4510
.177			.5160				
.229	.2990						
.246		.4940					
.250				.4020	.4370	.4230	.3510
.362	.4400						
.400				.3230	.3290		.1770
.402			.2090				
.497	.3690						
.550				.1150	.0410		
.565			.1160				
.600							.0980
.650						-.0340	
.700	.1300				-.1590		
.725				.2020			
.750						-.9260	-.8870
.760			-.1890				
.775				.0450	-.8560		
.808			-.8650				
.834	-.0930						
.850				-.8600	-.5060	-.9380	
.857			-.7440				
.865	-.0980						
.900	-.6720			-.9550			-.9580
.905			-.9280				
.950				-.5840	-1.0210	-.5900	
.953			-.4950				
.965	-.6390						

MACH (2) = .901 BETA (2) = -4.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8070	-.4800	-.6030	-.2300	-.3140	-.4210	-.6920
.050				.6270	.6370	.5900	.5290
.081			.5970				
.086		.1370					
.094	.1620						

AMES 11-FT OA12 OEA LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5080	.5080	.4920	.4010
.177			.4990				
.229	.2470						
.246		.4480					
.250				.3540	.4100	.3690	.3040
.362	.3960						
.400				.3160	.3070		.1290
.402			.2880				
.497	.3660						
.550				.1180	.0310		
.565			.1260				
.600							.0830
.650						-.0570	
.700	.1480				-.1740		
.725				.2000			
.750						-.9380	-.9140
.760			-.1790				
.775				.0460	-.8490		
.808			-.8540				
.834	-.0750						
.850				-.8550	-.5970	-.9490	
.857			-.7360				
.865	-.1090						
.900	-.6660			-.9430			-.9990
.905			-.9300				
.950				-.9100	-1.0230	-.5930	
.953			-.6010				
.965	-.7600						

MACH (2) = .902 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9240	-.5010	-.7440	-.4930	-.5050	-.6170	-.8220
.050				.5780	.5820	.5320	.4560
.081			.5510				
.086		.0480					
.094	.0960						
.150				.4790	.4740	.4570	.3530
.177			.4800				
.229	.1960						
.246		.3930					
.250				.3670	.3810	.3560	.2610
.362	.3450						
.400				.3070	.2870		.0910
.402			.2830				
.497	.3550						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 O2A LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .942 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1150	.0280		
.565			.1350				
.600							.0740
.650						-.0720	
.700	.1610				-.1910		
.725				.1980			
.750						-.9430	-.9320
.760			-.1710				
.775				.0480	-.8460		
.808			-.8490				
.834	-.0670						
.850				-.8530	-.9990	-.9590	
.857			-.7250				
.865	-.1210						
.900	-.6630			-.9380			-1.0250
.905			-.9240				
.950				-.9290	-1.0280	-.9960	
.953			-.6410				
.965	-.7830						

MACH (2) = .888 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0850	-.5610	-.7840	-.6890	-.6940	-.8050	-.9240
.050				.5230	.5160	.4590	.3740
.081			.4930				
.086		-.0540					
.094	.0220						
.150				.4430	.4310	.4020	.2920
.177			.4490				
.229	.1360						
.246		.3230					
.250				.3390	.3450	.3110	.2040
.362	.2810						
.400				.2880	.2560		.0420
.402			.2700				
.497	.3270						
.550				.1090	.0170		
.565			.1340				
.600							.0730
.650						-.0990	
.700	.1590				-.2090		
.725				.2040			
.750						-.9470	-.9510
.760			-.1710				
.775				.0570	-.8450		

DATE 16 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.8400				
.834	-.0640						
.850				-.8510	-.6120	-.9670	
.857			-.7060				
.865	-.1310						
.900	-.6720			-.9360			-1.0390
.905			-.8850				
.950				-.9270	-1.0400	-.6110	
.953			-.6950				
.965	-.8130						

MACH (2) = .899 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0850	-.5780	-.7820	-.8670	-.8680	-.9300	-.9100
.050				.4520	.4460	.3880	.2910
.081			.4250				
.086		-.1410					
.094	-.0570						
.150				.4030	.3860	.3570	.2390
.177			.4150				
.229	.0700						
.246		.2480					
.250				.3110	.3100	.2750	.1580
.362	.2080						
.400				.2720	.2300		.0100
.402			.2540				
.497	.2920						
.550				.1990	.0080		
.565			.1290				
.600							.0770
.650						-.1200	
.700	.1520				-.2380		
.725				.2080			
.750						-.9520	-.9710
.760			-.1760				
.775				.0670	-.8590		
.808			-.8460				
.834	-.0780						
.850				-.8590	-.6060	-.9730	
.857			-.6890				
.865	-.1450						
.900	-.6890			-.9370			-1.0350
.905			-.8200				
.950				-.8660	-1.0300	-.6110	
.953			-.6380				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL25)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (5) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.8470						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL26) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -7.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6830	-.7650	-1.7280	-1.7210	-1.3780	-1.2740	-1.2020
.050				.7030	.7080	.6620	.5830
.081			.6200				
.086		.1060					
.094	.2080						
.150				.5890	.5900	.5530	.4630
.177			.5540				
.229	.3050						
.246		.4780					
.250				.4520	.4650	.4300	.3530
.362	.4340						
.400				.3280	.2950		.1530
.402			.2950				
.497	.3690						
.500				.0820	.0230		
.555			.0990				
.600							.0450
.650						-.2350	
.700	-.2270				-.3730		
.725				.0850			
.750						-.6040	-.5160
.760			-.4010				
.775				-.3230	-.6340		
.808			-.4990				
.834	-.1530						
.850				-.4380	-.4840	-.4710	
.857			-.6040				
.865	-.1780						
.900	-.2030			-.3830			-.4490
.905			-.2820				
.950				-.2920	-.4040	-.4870	
.953			-.1650				
.965	-.1120						

MACH (1) = .598 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0520	-.8630	-1.9000	-1.9920	-1.5340	-1.3730	-1.2060
.050				.6390	.6370	.5830	.4900
.081			.5520				
.086		-.0140					
.094	.1060						

AMES 11-707 OA12 OEA LOWER WING (RDPL26)

SECTION : 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5490	.5460	.5040	.4040
.177			.5200				
.229	.2300						
.246		.4080					
.250				.4250	.4290	.3890	.2990
.362	.3780						
.400				.3110	.2700		.1040
.402			.2900				
.497	.3800						
.550				.0720	.0020		
.565			.1010				
.600							.0330
.650						-.2980	
.700	.1350				-.3850		
.725				.0810			
.750						-.6230	-.5410
.760			-.4070				
.775				-.3300	-.6450		
.808			-.5130				
.834	-.1540						
.850				-.4490	-.4890	-.4790	
.857			-.6020				
.865	-.1860						
.900	-.2510			-.3880			-.4570
.905			-.2930				
.950				-.2960	-.4300	-.4940	
.953			-.1660				
.965	-.1510						

MACH (1) = .600 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1910	-.9970	-1.9210	-2.2280	-1.5310	-1.3640	-1.0310
.050				.5590	.5570	.4980	.3960
.081			.4840				
.086		-.1290					
.094	.0100						
.150				.5080	.4990	.4580	.3420
.177			.4880				
.229	.1530						
.246		.3410					
.250				.3940	.3980	.3475	.2440
.362	.3150						
.400				.2970	.2480		.0640
.402			.2780				
.497	.3530						

AMES 11-707 OA12 OEA LOWER WING (RBPL26)

SECTION (1)LOWER WING. DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0690	-.0060		
.565			.1040				
.600							.0240
.650						-.2750	
.700	.1400				-.3950		
.725				.0770			
.750						-.6170	-.5450
.760			-.3950				
.775				-.3360	-.6500		
.808			-.5040				
.834	-.1580						
.850				-.4470	-.4940	-.4750	
.857			-.6020				
.865	-.1950						
.900	-.2800			-.3680			-.4640
.905			-.2990				
.950				-.2760	-.4160	-.4870	
.953			-.1560				
.965	-.1900						

MACH (1) = .598 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3090	-.9940	-1.8760	-2.3610	-1.4900	-1.2100	-1.0330
.050				.4690	.4670	.4070	.2900
.081			.4050				
.086		-.2575					
.094	-.0970						
.150				.4610	.4540	.4010	.2710
.177			.4470				
.229	.0670						
.246		.2600					
.250				.3630	.3560	.3030	.1870
.362	.2390						
.400				.2820	.2250		.0170
.402			.2640				
.497	.3200						
.550				.1650	-.0190		
.565			.1020				
.600							.0150
.650						-.2840	
.700	.1380				-.4110		
.725				.0730			
.750						-.6140	-.5470
.760			-.3840				
.775				-.3420	-.6370		

AMES 11-FT OA12 OEA LOWER WING (RBPL26)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.4820				
.834	-.1600						
.850				-.4210	-.4960	-.4720	
.857			-.6040				
.865	-.2070						
.900	-.3050			-.3430			-.4580
.905			-.2820				
.950				-.2360	-.3970	-.4920	
.953			-.1180				
.965	-.2130						

MACH (1) = .599 BETA (5) = 8.300

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-1.3690	-1.0280	-1.8060	-2.5890	-1.4970	-1.2200	-1.0280
.050				.3810	.3660	.3100	.1770
.081			.3150				
.086		-.3740					
.094	-.2060						
.150				.4130	.3870	.3430	.1940
.177			.4000				
.229	-.0270						
.246		.1750					
.250				.3300	.3070	.2570	.1190
.362	.1540						
.400				.2660	.1920		-.0360
.412			.2450				
.497	.2820						
.550				.0810	-.0340		
.565			.0920				
.600							.0190
.650						-.2920	
.700	.1330				-.4330		
.725				.0830			
.750						-.5990	-.5520
.760			-.3880				
.775				-.3330	-.6320		
.808			-.4950				
.834	-.1730						
.850				-.4130	-.4940	-.4740	
.857			-.5920				
.865	-.2100						
.900	-.3380			-.3540			-.4600
.905			-.2850				
.950				-.2410	-.4030	-.5080	
.953			-.1320				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL26)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2290						

MACH (2) = .903 BETA (1) = -8.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7710	-.5870	-.8950	.4960	-.4880	-.6040	-.8970
.050				.7660	.7710	.7230	.6470
.081			.7200				
.086		.2300					
.094	.2650						
.150				.6490	.6530	.6290	.5370
.177			.6360				
.229	.3730						
.246		.5750					
.250				.5250	.5490	.5220	.4400
.362	.5320						
.400				.4320	.4350		.2620
.402			.4130				
.497	.4830						
.550				.2230	.1440		
.565			.2270				
.600							.1220
.650						.0410	
.700	.2360				-.0830		
.725				.2000			
.750						-.8920	-.8490
.760			-.1150				
.775				-.0520	-.8170		
.808			-.8280				
.834	-.0170						
.850				-.8320	-.5820	-.8660	
.857			-.7920				
.865	-.0350						
.900	-.5950			-.9300			-.8800
.905			-.9000				
.950				-.9430	-.9460	-.5810	
.953			-.7140				
.965	-.6320						

MACH (2) = .901 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9480	-.7460	-1.0790	-.6920	-.7000	-.8020	-.9930
.050				.7120	.7100	.6540	.5630
.081			.6650				
.086		.1270					
.094	.1850						

AMES 11-707 OA12 OEA LOWER WING (RBPL26)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.6190	.6130	.5660	.4900
.177			.6110				
.229	.3130						
.246		.3140					
.250				.5040	.5150	.4880	.3850
.362	.4800						
.400				.4230	.4110		.2150
.402			.4000				
.497	.4770						
.550				.2240	.1380		
.565			.2340				
.600							.1080
.650						.0240	
.700	.2530				-.0950		
.725				.2000			
.750						-.9080	-.8750
.760			-.1040				
.775				-.0510	-.8200		
.808			-.8190				
.834	-.0080						
.850				-.8360	-.8040	-.8900	
.857			-.7900				
.865	-.0410						
.900	-.5870			-.9220			-.9300
.905			-.9110				
.950				-.9300	-.9660	-.8010	
.953			-.8630				
.965	-.8680						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1010	-.7990	-1.0950	-.8890	-.8900	-.9650	-.9820
.050				.6400	.6330	.5730	.4680
.081			.6030				
.086		.0170					
.094	.0930						
.150				.5760	.5630	.5310	.4170
.177			.5810				
.229	.2410						
.246		.4440					
.250				.4740	.4750	.4420	.3340
.362	.4100						
.400				.4020	.3730		.1680
.402			.3910				
.497	.4540						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2150	.1280		
.565			.2350				
.600							.0830
.650						-.0050	
.700	.2610				-.1270		
.725				.1800			
.750						-.9150	-.9020
.760			-.1020				
.775				-.0160	-.8150		
.808			-.8170				
.834	.0100						
.850				-.8210	-.6180	-.9020	
.857			-.7830				
.865	-.0710						
.900	-.5900			-.9190			-.9550
.905			-.8570				
.950				-.9170	-.9780	-.6200	
.953			-.6510				
.965	-.7040						

MACH (2) = .898 BETA (4) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2340	-.8200	-1.0610	-1.0150	-1.0110	-.9340	-.9390
.050				.5690	.5550	.4870	.3640
.081			.5320				
.086		-.0940					
.094	-.0070						
.150				.5330	.5160	.4700	.3440
.177			.5400				
.229	.1620						
.246		.3610					
.250				.4420	.4330	.3860	.2650
.362	.3320						
.400				.3850	.3420		.1130
.402			.3710				
.497	.4160						
.550				.2010	.1070		
.565			.2310				
.600							.0750
.650						-.0380	
.700	.2530				-.1560		
.725				.1820			
.750						-.9200	-.9260
.760			-.1090				
.775				-.0090	-.8250		

AMES 11-7D7 OA12 OEA LOWER WING (RBPL26)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.8180				
.834	.1030						
.850				-.8230	-.6100	-.9120	
.857			-.7810				
.865	-.1050						
.910	-.6100			-.9170			-.9560
.905			-.7670				
.950				-.9190	-.9070	-.6040	
.953			-.6640				
.965	-.7400						

MACH (2) = .904 BETA (5) = 8.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3360	-.9950	-1.0300	-1.1620	-1.0200	-.9980	-.9350
.050				.4810	.4620	.3850	.2550
.101			.4520				
.106		-.1980					
.094	-.0820						
.150				.4760	.4530	.4060	.2730
.177			.4910				
.229	.0800						
.246		.2770					
.250				.3990	.3860	.3310	.2030
.362	.2450						
.414				.3560	.3040		.0680
.402			.3440				
.497	.3670						
.550				.1860	-.0080		
.565			.2190				
.600							.0780
.650						-.0710	
.700	.2370				-.1080		
.725				.1090			
.750						-.9160	-.9480
.760			-.1170				
.775				.0030	-.8410		
.808			-.8190				
.834	-.0880						
.850				-.8320	-.6010	-.9210	
.857			-.7870				
.865	-.0920						
.910	-.6280			-.9060			-.9660
.905			-.7340				
.950				-.8620	-.9090	-.6000	
.953			-.6670				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL26)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (5) = 0.36D

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.777D						

AMES 11-707 OA12 OPA LOWER WING (RBPL27) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5360 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -4.910

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2100	-.4830	-.0130	.0630	.1440	.0230	-.0310
.050				-.7060	-.8400	-.9350	-.8120
.081			-.4060				
.088		-.2060					
.094	-.1950						
.150				-.3650	-.5220	-.5290	-.5490
.177			-.3600				
.229	-.1270						
.248		-.2690					
.250				-.3640	-.3720	-.3800	-.4360
.362	-.1600						
.400				-.3020	-.3540		-.4590
.402			-.3230				
.497	-.2010						
.550				-.4900	-.5240		
.565			-.4230				
.600							-.7500
.650						-.6010	
.700	-.3550				-.7920		
.725				-.7080			
.750						-.8270	-.9030
.760			-.5980				
.775				-.6420	-.8040		
.808			-.5030				
.834	-.5330						
.850				-.5810	-.5640	-.6190	
.857			-.4010				
.865	-.4850						
.900	-.4070			-.4950			-.5280
.905			-.5050				
.950				-.3710	-.4610	-.4770	
.953			-.4600				
.965	-.3600						

MACH (1) = .999 BETA (2) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1100	-.3090	.0500	.0990	.0810	-.0300	-.1100
.050				-.6150	-.7440	-.8490	-.7190
.081			-.3730				
.086		-.1280					
.094	-.1120						

AMES 11-707 OA12 O2A LOWER WING (RBPL27)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3150	-.4230	-.4360	-.4750
.177			-.2960				
.229	-.0750						
.246		-.1850					
.250				-.3300	-.3250	-.3290	-.3780
.362	-.0990						
.400				-.2670	-.3210		-.4230
.402			-.2870				
.497	-.2200						
.550				-.4140	-.4850		
.565			-.3780				
.600							-.7060
.650						-.5390	
.700	-.3120				-.7230		
.725				-.6640			
.750						-.6710	-.7580
.760			-.5820				
.775				-.5970	-.5120		
.808			-.5260				
.834	-.5350						
.850				-.5490	-.4950	-.6140	
.857			-.3610				
.865	-.4940						
.900	-.4420			-.4970			-.5230
.905			-.4830				
.950				-.3870	-.4480	-.5210	
.953			-.4400				
.965	-.3580						

MACH (1) = .599 BETA (3) = 5.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0570	-.1680	.1000	.1170	.0420	-.0690	-.1610
.050				-.5150	-.5910	-.7490	-.6730
.081			-.2670				
.086		-.0820					
.094	-.0610						
.150				-.2720	-.3450	-.3640	-.4440
.177			-.2480				
.229	-.0460						
.246		-.1120					
.250				-.3000	-.2800	-.2950	-.3550
.362	-.0660						
.400				-.2410	-.2960		-.3780
.402			-.2570				
.497	-.1810						

AMES 11-707 OA12 OBA LOWER WING (RBPL27)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3830	-.4520		
.565			-.3360				
.600							-.6330
.650						-.4770	
.700	-.2810				-.6710		
.725				-.6190			
.750						-.5360	-.6280
.760			-.5570				
.775				-.5320	-.4560		
.848			-.4980				
.834	-.5490						
.850				-.5290	-.4630	-.5270	
.857			-.3180				
.865	-.5420						
.900	-.4480			-.5100			-.5710
.905			-.4680				
.950				-.4580	-.4690	-.5040	
.953			-.4470				
.965	-.3940						

MACH (2) = .887 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1200	-.3680	.2300	.4540	.4430	.3950	.3720
.050				-1.1360	-.9260	-.8350	-.6450
.081			-.3190				
.086		-.1070					
.094	-.1360						
.150				-.3220	-.7010	-.7410	-.5130
.177			-.3270				
.229	-.0480						
.246		-.1180					
.250				-.2980	-.3980	-.5680	-.4160
.362	-.0250						
.400				-.2140	-.1780		-.3310
.402			-.3080				
.497	-.2450						
.550				-.2950	-.3380		
.565			-.3070				
.600							-.3950
.650						-.3100	
.700	-.2510				-.5260		
.725				-.5380			
.750						-.8410	-1.1060
.760			-.4900				
.775				-.5390	-.8360		

AMES 11-707 OA12 02A LOWER WING (RBPL27)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5630				
.834	-.4670						
.850				-.5510	-.7510	-.7830	
.857			-.4270				
.865	-.6610						
.900	-.6470			-.5810			-.7570
.905			-.5880				
.950				-.5900	-.6760	-.7290	
.953			-.5940				
.965	-.5860						

MACH (2) = .896 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0540	-.2190	.2340	.3870	.3470	.2840	.2620
.050				-.7990	-.6930	-.8730	-.6490
.081			-.2300				
.086		-.0510					
.094	-.0530						
.150				-.2040	-.5600	-.6540	-.4580
.177			-.2600				
.229	-.0060						
.246		-.0550					
.250				-.3180	-.3330	-.2630	-.3480
.362	.0170						
.400				-.1540	-.1800		-.2920
.402			-.2840				
.497	-.1740						
.550				-.2900	-.3610		
.565			-.2950				
.600							-.3880
.650						-.3300	
.700	-.2370				-.5410		
.725				-.5400			
.750						-.8440	-.8430
.760			-.4790				
.775				-.5200	-.9590		
.800			-.5890				
.834	-.4230						
.850				-.5420	-.7790	-.8010	
.857			-.4670				
.865	-.7000						
.900	-.6930			-.5600			-.7560
.905			-.6200				
.950				-.5620	-.6450	-.7540	
.953			-.6260				

AMES 11-7D7 OA12 OEA LOWER WING (RBPL27)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.5230						

MACH (2) = .899 BETA (3) = 5.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0070	-.0080	.2390	.3280	.2470	.1730	.1730
.050				-.4270	-.6610	-.7080	-.5410
.081			-.1420				
.086		-.0110					
.094	-.0020						
.150				-.1870	-.3980	-.4790	-.4450
.177			-.1940				
.229	.0190						
.246		-.0470					
.250				-.2980	-.2470	-.1840	-.3580
.362	.0350						
.400				-.1510	-.1990		-.3110
.402			-.2320				
.497	-.1260						
.550				-.2850	-.3700		
.565			-.2730				
.600							-.3780
.650						-.3570	
.700	-.2250				-.5560		
.725				-.5310			
.750						-.8070	-.6180
.760			-.4550				
.775				-.5440	-.6770		
.808			-.6360				
.834	-.3670						
.850				-.5820	-.9130	-.8160	
.857			-.5060				
.865	-.7400						
.900	-.6980			-.5980			-.7020
.905			-.6250				
.950				-.5740	-.5760	-.7840	
.953			-.6290				
.965	-.5180						

AMES 11-7ft OA12 OEA LOWER WING (RBPL28) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -7.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0050	-.0340	.3430	.5620	.5600	.5370	.5240
.050				-.2640	-.3330	-.3220	-.5300
.081			-.1760				
.086		-.0410					
.094	-.0810						
.150				-.1560	-.1810	-.1830	-.1910
.177			-.1680				
.229	-.0400						
.246		-.0910					
.250				-.2060	-.1700	-.1750	-.1810
.362	-.0520						
.400				-.2030	-.2350		-.3140
.402			-.2330				
.497	-.1730						
.550				-.3790	-.4340		
.565			-.3550				
.600							-.6360
.650						-.5190	
.700	-.3020				-.7130		
.725				-.6760			
.750						-.7720	-.8820
.760			-.6150				
.775				-.7200	-.5140		
.808			-.5960				
.834	-.5340						
.850				-.5480	-.5200	-.6900	
.857			-.3910				
.865	-.4960						
.900	-.4450			-.4190			-.5120
.905			-.4740				
.950				-.3420	-.4810	-.4960	
.953			-.3700				
.965	-.2750						

MACH (1) = .598 BETA (2) = -3.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0010	-.0010	.3200	.5230	.5040	.4850	.4530
.050				-.2410	-.3120	-.3040	-.4670
.081			-.1260				
.086		-.0260					
.094	-.0350						

AMES 11-707 OA12 OEA LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (2) = -3.940

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1330	-.1650	-.1650	-.1630
.177			-.1430				
.229	-.0120						
.246		-.0460					
.250				-.1980	-.1630	-.1680	-.1770
.362	-.0160						
.400				-.1830	-.2300		-.3070
.402			-.2140				
.497	-.1350						
.550				-.3610	-.4120		
.565			-.3370				
.600							-.6150
.650						-.4840	
.700	-.2740				-.6730		
.725				-.6560			
.750						-.6890	-.7870
.760			-.6090				
.775				-.7040	-.4590		
.808			-.5970				
.834	-.5260						
.850				-.5840	-.4600	-.6400	
.857			-.4030				
.865	-.5070						
.900	-.4540			-.4290			-.5100
.905			-.5020				
.950				-.3530	-.4550	-.5340	
.953			-.3080				
.965	-.2940						

MACH (1) = .998 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0300	.0040	.3000	.4850	.4510	.4390	.3950
.050				-.2440	-.3570	-.2280	-.3820
.081			-.0630				
.086		-.0050					
.094	-.0090						
.150				-.1100	-.1400	-.1460	-.1590
.177			-.1060				
.229	.0000						
.246		-.0110					
.250				-.1800	-.1480	-.1550	-.1670
.362	.0050						
.400				-.1670	-.2090		-.2940
.402			-.1860				
.497	-.1090						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.3370	-.3970		
.565			-.3080				
.600							-.5860
.650						-.4530	
.700	-.2470				-.6510		
.725				-.6510			
.750						-.5880	-.6950
.760			-.6010				
.775				-.6980	-.4390		
.808			-.6050				
.834	-.5340						
.850				-.6050	-.4340	-.5810	
.857			-.4190				
.865	-.5570						
.900	-.4700			-.4450			-.5050
.905			-.5040				
.950				-.3590	-.4230	-.5380	
.953			-.3950				
.965	-.3040						

MACH (1) = .595 BETA (4) = 4.190

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0940	-.0220	.2620	.4310	.3880	.3730	.3210
.050				-.1940	-.3090	-.2430	-.3110
.081			-.0180				
.086		-.0130					
.094	-.0650						
.150				-.1000	-.1340	-.1370	-.1650
.177			-.0890				
.229	-.0020						
.246		.0070					
.250				-.1720	-.1480	-.1560	-.1730
.362	.0140						
.400				-.1580	-.2140		-.2950
.402			-.1790				
.497	-.0910						
.550				-.3300	-.3820		
.565			-.2960				
.600							-.5710
.650						-.4330	
.700	-.2330				-.6290		
.725				-.6380			
.750						-.5240	-.6100
.760			-.5920				
.775				-.6700	-.4180		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .595 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5960				
.834	-.5440						
.850				-.6060	-.4300	-.5220	
.857			-.3870				
.865	-.5870						
.900	-.4740			-.4910			-.5260
.905			-.5250				
.950				-.3850	-.4270	-.5040	
.953			-.4160				
.965	-.3420						

MACH (1) = .598 BETA (5) = 8.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1690	-.0550	.1980	.3690	.3160	.3140	.2540
.050				-.1310	-.2070	-.2290	-.2310
.081			.0250				
.086		-.0270					
.094	-.0110						
.150				-.0800	-.1090	-.1180	-.1440
.177			-.0560				
.229	-.0140						
.246		.0210					
.250				-.1490	-.1300	-.1450	-.1650
.362	.0130						
.400				-.1420	-.1960		-.2020
.402			-.1570				
.497	-.0800						
.550				-.3080	-.3630		
.565			-.2700				
.600							-.5350
.650						-.3980	
.700	-.2220				-.6190		
.725				-.6030			
.750						-.4570	-.5410
.760			-.5730				
.775				-.5900	-.4010		
.808			-.5460				
.834	-.5430						
.850				-.5510	-.4360	-.4660	
.857			-.3780				
.865	-.5930						
.900	-.4770			-.4950			-.5220
.905			-.4960				
.950				-.3940	-.4810	-.4530	
.953			-.4180				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3380						

MACH (2) = .900 BETA (1) = -8.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0200	-.0170	.4400	.6820	.6610	.6460	.6270
.050				-.2510	-.4690	-.4140	-.4420
.081			-.0790				
.086		.0100					
.094	-.0460						
.150				-.0630	-.1010	-.0840	-.0730
.177			-.1080				
.229	.0100						
.246		.0110					
.250				-.1370	-.0620	-.0430	-.0570
.362	.0560						
.400				-.0840	-.0830		-.1550
.402			-.1360				
.497	-.1000						
.550				-.2490	-.3030		
.565			-.2530				
.600							-.3180
.650						-.3090	
.700	-.2150				-.5080		
.725				-.5140			
.750						-.6520	-.8960
.760			-.4630				
.775				-.5310	-.7460		
.800			-.4870				
.834	-.4590						
.850				-.5420	-.6680	-.6680	
.857			-.3930				
.865	-.5650						
.900	-.5590			-.5740			-.7060
.905			-.5280				
.950				-.5970	-.6260	-.6890	
.953			-.5300				
.965	-.5250						

MACH (2) = .897 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0150	.0260	.4070	.6210	.5860	.5710	.5480
.052				-.2180	-.3850	-.3140	-.3540
.081			-.0080				
.086		.0300					
.094	-.0080						

AMES 11-7D7 OA12 OA LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0460	-.0840	-.0670	-.0760
.177			-.0660				
.229	.0310						
.246		.0550					
.250				-.1270	-.0580	-.0490	-.0660
.362	.0060						
.400				-.0650	-.0860		-.1740
.402			-.1190				
.497	-.0630						
.550				-.2360	-.3110		
.565			-.2280				
.600							-.3340
.650						-.3130	
.700	-.1850				-.5170		
.725				-.5040			
.750						-.6370	-.8760
.760			-.4450				
.775				-.5190	-.7540		
.808			-.5260				
.834	-.4050						
.850				-.5430	-.6610	-.6590	
.857			-.3930				
.865	-.5870						
.900	-.6310			-.5630			-.7130
.905			-.5730				
.950				-.5860	-.6220	-.6690	
.953			-.5750				
.965	-.5530						

MACH (2) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0160	.0310	.3680	.5620	.5150	.5000	.4690
.050				-.1570	-.2980	-.3210	-.2440
.081			.0450				
.086		.0400					
.094	.0150						
.150				-.0290	-.0710	-.0560	-.0840
.177			-.0360				
.229	.0460						
.246		.0830					
.250				-.1160	-.0550	-.0560	-.0780
.362	.1000						
.400				-.0570	-.0860		-.1930
.402			-.1100				
.497	-.0320						

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AMES 11-707 OA12 O2A LOWER WING (RBPL28)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2200	-.3050		
.565			-.2110				
.600							-.3420
.650						-.3170	
.700	-.1610				-.5120		
.725				-.4870			
.750						-.6380	-.8330
.760			-.4220				
.775				-.5190	-.7490		
.848			-.5800				
.834	-.3600						
.850				-.5340	-.6510	-.6560	
.857			-.4100				
.865	-.6280						
.900	-.6940			-.5580			-.7000
.905			-.6030				
.950				-.5710	-.6380	-.6530	
.953			-.6060				
.965	-.5240						

MACH (2) = .904 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0970	.0040	.3160	.4940	.4390	.4220	.3750
.050				-.1120	-.2050	-.2470	-.1860
.081			.0900				
.086		.0310					
.094	.0180						
.150				-.0250	-.0650	-.0520	-.0920
.177			-.0100				
.229	.0360						
.246		.0910					
.250				-.1150	-.0550	-.0640	-.0970
.362	.0860						
.400				-.0540	-.0680		-.2150
.402			-.1070				
.497	-.0220						
.550				-.2110	-.3070		
.565			-.1990				
.600							-.3680
.650						-.3380	
.700	-.1580				-.5210		
.725				-.4770			
.750						-.6460	-.7680
.760			-.3950				
.775				-.5370	-.7910		

AMES 11-7U7 OA12 [illegible] LOWER WING (RBPL20)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5970				
.834	-.3220						
.850				-.5590	-.6680	-.6580	
.857			-.4470				
.865	-.6730						
.900	-.6980			-.5630			-.7080
.905			-.6470				
.950				-.5620	-.6300	-.6610	
.953			-.6500				
.965	-.4960						

MACH (2) = .904 BETA (5) = 8.400

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1410	-.0150	.2240	.4230	.3560	.3440	.2780
.050				-.0410	-.1040	-.1450	-.1420
.081			.1270				
.086		.0280					
.094	.0290						
.150				-.0100	-.0480	-.0430	-.0820
.177			.0250				
.229	.0370						
.246		.1080					
.250				-.1000	-.0520	-.0700	-.1110
.362	.0660						
.400				-.0490	-.0890		-.2380
.442			-.0840				
.497	.0000						
.550				-.1990	-.2960		
.565			-.1680				
.600							-.3970
.650						-.3420	
.700	-.1400				-.5100		
.725				-.4370			
.750						-.6350	-.6510
.760			-.3670				
.775				-.5800	-.7480		
.808			-.6050				
.834	-.2930						
.850				-.6060	-.6630	-.6650	
.857			-.4530				
.865	-.6760						
.900	-.7270			-.5980			-.6590
.905			-.6420				
.950				-.5740	-.6050	-.6650	
.953			-.6420				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7FT OA12 02A LOWER WING (RBPL20)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (5) = 8.46

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.5060						

AMES 11-707 OA12 CEA LOWER WING (RBPL29) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.8480 INCHES YMRP = .0000 INCHES
BREF = 30.8480 INCHES ZMRP = .0000 INCHES
SCALE = .1300 SCALE

PARAMETRIC DATA

ALPHA = 5.100 RUDDER = .000
ELEVON = -20.100 RUDFLR = .100

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -0.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0430	.0080	.3150	.5400	.4830	.4780	.2740
.050				.1010	.1210	.1210	.1180
.081			.1540				
.086		.0950					
.094	.0800						
.150				.0810	.1080	.0740	.1470
.177			.0360				
.229	.0740						
.246		.1170					
.250				-.0170	.0250	.0250	-.0140
.362	.0850						
.400				-.0880	-.0880		-.1810
.402			-.1050				
.497	-.1250						
.550				-.2780	-.3380		
.565			-.2820				
.600							-.5410
.650						-.4380	
.700	-.2110				-.7200		
.725				-.6520			
.750						-1.0380	-.8500
.760			-.5700				
.775				-.7310	-.8560		
.808			-.5500				
.834	-.4940						
.850				-.6930	-.5700	-.5770	
.857			-.3750				
.865	-.4580						
.900	-.4050			-.4960			-.3190
.905			-.4980				
.950				-.2970	-.2760	-.2740	
.953			-.4210				
.965	-.2850						

MACH (1) = .900 BETA (2) = -3.9.3

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1950	-.1250	.1980	.4150	.3390	.3280	.1000
.050				.1230	.1450	.1330	.1270
.081			.1860				
.086		.0860					
.094	.0600						

AMES 11-707 OA12 OA LOWER WING (RBPL29)

SECTION : 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (2) = -3.900

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0830	.0710	.0800	.0430
.177			.0690				
.229	.0650						
.246		.1900					
.250				-.0110	.0270	.0230	-.0230
.362	.1010						
.400				-.0610	-.0950		-.1870
.402			-.0890				
.497	-.0010						
.550				-.2820	-.3300		
.565			-.2400				
.800							-.5370
.650						-.4140	
.700	-.1890				-.7150		
.725				-.6270			
.750						-.9780	-.8030
.760			-.5550				
.775				-.6730	-.6890		
.808			-.5380				
.834	-.4870						
.850				-.6060	-.6070	-.5890	
.857			-.3690				
.865	-.4630						
.900	-.4160			-.4900			-.3150
.905			-.4950				
.950				-.3430	-.3430	-.3210	
.953			-.4280				
.965	-.3010						

MACH (1) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3580	-.2810	.1650	.2060	.2150	.1910	-.0660
.050				.1430	.1620	.1500	.1380
.081			.1990				
.086		.0950					
.094	.0410						
.150				.0930	.0780	.0800	.0410
.177			.0840				
.229	.0530						
.246		.1370					
.250				-.0170	.0310	.0220	-.0280
.362	.1030						
.400				-.0450	-.0840		-.1850
.402			-.0740				
.497	.0190						

AMES 11-7D7 OA12 OBA LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2470	-.3110		
.600			-.2200				
.610							-.3150
.650						-.3800	
.700	-.1650				-.6270		
.725				-.6070			
.750						-.6590	-.6840
.760			-.5620				
.775				-.6990	-.4420		
.800			-.6060				
.834	-.5050						
.850				-.5990	-.4420	-.5960	
.857			-.3980				
.865	-.5440						
.900	-.4560			-.4340			-.3400
.905			-.4280				
.950				-.3270	-.4080	-.3650	
.953			-.3670				
.965	-.2880						

MACH (1) = .800 BETA (4) = 4.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3640	-.2830	-.1630	.1240	.0360	.0340	-.2600
.050				.1540	.1630	.1450	.1250
.081			.2070				
.086		-.0170					
.094	.0070						
.150				.0910	.0710	.0680	.0220
.177			.0930				
.229	.0280						
.246		.1210					
.250				-.0130	.0230	.0110	-.0440
.362	.0650						
.400				-.0430	-.0990		-.1920
.402			-.0630				
.497	.0240						
.550				-.2380	-.3020		
.565			-.2040				
.600							-.4860
.650						-.3440	
.700	-.1550				-.5990		
.725				-.5940			
.750						-.4690	-.5380
.760			-.5730				
.775				-.6410	-.4200		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5980				
.834	-.5110						
.850				-.5780	-.4560	-.4790	
.857			-.3970				
.865	-.5990						
.900	-.4640			-.4950			-.5250
.905			-.4770				
.950				-.3720	-.4490	-.4580	
.953			-.4120				
.965	-.3140						

MACH (1) = .597 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3520	-.2270	-.1770	-.0490	-.1290	-.1690	-.4850
.050				.1640	.1560	.1390	.1200
.081			.2070				
.086		-.0640					
.094	-.0270						
.150				.0940	.0740	.0550	.0090
.177			.0980				
.229	-.0050						
.246		.1030					
.250				-.0130	.0130	-.0020	-.0590
.362	.0590						
.400				-.0420	-.0850		-.1980
.402			-.0580				
.497	.0220						
.550				-.2270	-.2940		
.565			-.1890				
.600							-.4700
.650						-.3310	
.700	-.1380				-.5980		
.725				-.5660			
.750						-.4230	-.4810
.760			-.5700				
.775				-.5610	-.4280		
.808			-.6010				
.834	-.5110						
.850				-.5280	-.4400	-.4120	
.857			-.3890				
.865	-.6590						
.900	-.5030			-.4780			-.4990
.905			-.4780				
.950				-.3890	-.4550	-.4110	
.953			-.3980				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 0.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2920						

MACH (2) = .828 BETA (1) = -0.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.0600	.0280	.4040	.6470	.5590	.5600	.3570
.050				.1840	.2260	.2370	.23?0
.081			.2630				
.086		.1370					
.094	.0900						
.150				.1800	.1740	.1910	.1560
.177			.1490				
.229	.1160						
.246		.2140					
.250				.0750	.1480	.1480	.1030
.362	.1980						
.400				.0590	.0570		-.0520
.402			.0100				
.497	.0650						
.550				-.1400	-.1930		
.565			-.1370				
.600							-.2540
.650						-.1870	
.700	-.1070				-.3870		
.725				-.4180			
.750						-.6270	-.9920
.760			-.3540				
.775				-.6130	-.6130		
.808			-.5090				
.834	-.3080						
.850				-.6090	-.5680	-.6360	
.857			-.3730				
.865	-.5430						
.900	-.5480			-.5700			-.6850
.905			-.5290				
.950				-.5130	-.5260	-.6360	
.953			-.5190				
.965	-.4630						

MACH (2) = .90? BETA (2) = -4.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.2190	-.1180	.2890	.5260	.4240	.4210	.1920
.050				.2090	.2390	.2410	.2350
.081			.2870				
.086		.1160					
.094	.0840						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1820	.1720	.1860	.1410
.177			.1710				
.229	.1120						
.246		.2240					
.250				.0730	.1440	.1400	.0800
.362	.2010						
.400				.0710	.0590		-.0780
.402			.0300				
.497	.1000						
.550				-.1190	-.1930		
.565			-.1090				
.600							-.2810
.650						-.1920	
.700	-.0730				-.4160		
.725				-.3960			
.750						-.5900	-.9640
.760			-.3200				
.775				-.5790	-.5680		
.808			-.4860				
.834	-.2610						
.850				-.5760	-.5550	-.6090	
.857			-.3830				
.865	-.3920						
.900	-.6000			-.5760			-.6990
.905			-.5360				
.950				-.5460	-.5350	-.6190	
.953			-.5320				
.965	-.5000						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3250	-.2420	.1670	.3990	.2920	.2730	.0310
.050				.2080	.2330	.2320	.2130
.081			.2950				
.086		.0690					
.094	.0640						
.150				.1700	.1610	.1700	.1090
.177			.1710				
.229	.0870						
.246		.2130					
.250				.0670	.1300	.1190	.0480
.362	.1810						
.400				.0680	.0440		-.1150
.402			.0250				
.497	.1040						

AMES 11-7D7 OA12 OBA LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1130	-.1980		
.565			-.0980				
.600							-.3070
.650						-.2150	
.700	-.0620				-.4250		
.725				-.3810			
.750						-.5780	-.7940
.760			-.3040				
.775				-.5640	-.6020		
.808			-.5070				
.834	-.8470						
.850				-.5580	-.5750	-.5840	
.857			-.4180				
.865	-.6470						
.900	-.6570			-.5770			-.6870
.905			-.5700				
.950				-.5760	-.5770	-.5890	
.953			-.5840				
.965	-.5100						

MACH (2) = .887 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.2920	-.1990	.0170	.2540	.1470	.1240	-.1410
.050				.2310	.2350	.2180	.1930
.081			.3000				
.086		.0250					
.094	.0400						
.150				.1700	.1560	.1540	.0850
.177			.1820				
.229	.0690						
.246		.1990					
.250				.0670	.1090	.1090	.0200
.362	.1560						
.400				.0650	.0310		-.1440
.402			.0350				
.497	.1100						
.550				-.1050	-.1970		
.565			-.0800				
.600							-.3470
.650						-.2350	
.700	-.0500				-.4300		
.725				-.3480			
.750						-.5620	-.6760
.760			-.2910				
.775				-.6250	-.6250		

AMES 11-707 OA12 02A LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/C :							
.808			-.5380				
.834	-.2270						
.850				-.6300	-.5980	-.5690	
.857			-.4530				
.865	-.6840						
.900	-.6850			-.6300			-.6740
.905			-.6020				
.950				-.6120	-.5910	-.5780	
.953			-.6100				
.965	-.5010						

MACH (2) = .896 BETA (5) = 8.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3270	-.1690	-.0860	.0960	-.0230	-.0580	-.3330
.050				.2290	.2440	.1990	.1660
.081			.2890				
.086		-.0270					
.094	.0010						
.150				.1620	.1510	.1440	.0630
.177			.1840				
.229	.0330						
.246		.1690					
.250				.0620	.0980	.0700	-.0110
.362	.1200						
.400				.0630	.0260		-.1770
.402			.0340				
.497	.1030						
.550				-.0990	-.1990		
.565			-.0690				
.600							-.3760
.650						-.2380	
.700	-.0460				-.4210		
.725				-.3280			
.750						-.5460	-.6360
.760			-.2800				
.775				-.6370	-.6300		
.808			-.5730				
.834	-.2160						
.850				-.6340	-.5960	-.5480	
.857			-.4910				
.865	-.7380						
.900	-.7220			-.6480			-.6450
.905			-.6300				
.950				-.6460	-.5980	-.5560	
.953			-.6390				

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA LOWER WING (RBPL29)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (3) = 0.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.5090						

DATE 18 SEP 73 TABULATED PRESSURE DATA -- OA12A (RBPL30) (01 MAY 73)

AMES 11-707 OA12 OEA LOWER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -0.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5360	-.6720	-.2800	-.1390	-.3280	-.4380	-.9690
.050				.4180	.4600	.4500	.4360
.081			.3960				
.086		.1360					
.094	.1440						
.150				.2890	.2940	.2970	.2570
.177			.2590				
.229	.1660						
.246		.2800					
.250				.1520	.2400	.1960	.1500
.362	.2260						
.400				.0620	.0470		-.0430
.402			.0340				
.497	.1160						
.550				-.1580	-.2070		
.565			-.1440				
.600							-.4200
.650						-.3330	
.700	-.1110				-.6040		
.725				-.5800			
.750						-.7420	-.6650
.760			-.5510				
.775				-.7380	-.5210		
.808			-.6180				
.834	-.4680						
.850				-.5610	-.4920	-.5490	
.857			-.3880				
.865	-.5370						
.900	-.4180			-.3880			-.3300
.905			-.4390				
.950				-.2600	-.3550	-.3330	
.953			-.3130				
.965	-.1990						

MACH (1) = .589 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4550	-.5470	-.4760	-.3800	-.5560	-.6730	-1.1950
.050				.4010	.4330	.4210	.4000
.081			.3850				
.086		.0590					
.094	.0980						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL3U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.2750	.2810	.2810	.2330
.177			.2590				
.229	.1270						
.246		.2580					
.250				.1410	.1840	.1740	.1300
.362	.2040						
.400				.0670	.0430		-.0590
.402			.0430				
.497	.1310						
.550				-.1610	-.2110		
.565			-.1270				
.600							-.4200
.650						-.3160	
.700	-.0960				-.5880		
.725				-.5830			
.750						-.6300	-.6040
.760			-.5610				
.775				-.7400	-.4880		
.808			-.6630				
.834	-.4750						
.850				-.5820	-.4670	-.5100	
.857			-.4330				
.865	-.6080						
.900	-.4310			-.4220			-.4000
.905			-.4580				
.950				-.2890	-.3810	-.3690	
.953			-.3270				
.965	-.2170						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4880	-.4720	-.6110	-.5660	-.7610	-.9180	-1.4450
.050				.3760	.4130	.3840	.3510
.081			.3570				
.086		-.0080					
.094	.0490						
.150				.2610	.2610	.2640	.1980
.177			.2460				
.229	.0840						
.246		.2240					
.250				.1350	.1670	.1530	.0990
.362	.1760						
.400				.0640	.0310		-.0860
.402			.0480				
.497	.1290						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1510	-.2080		
.565			-.1230				
.600							-.4170
.650						-.3010	
.700	-.0810				-.5890		
.725				-.5800			
.750						-.5400	-.5380
.760			-.5730				
.775				-.7210	-.4790		
.808			-.7180				
.834	-.4880						
.850				-.5860	-.4530	-.4600	
.857			-.4390				
.865	-.6690						
.900	-.4610			-.4420			-.4240
.905			-.4610				
.950				-.3140	-.4140	-.3970	
.953			-.3220				
.965	-.2480						

MACH (1) = .598 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5670	-.4210	-.6680	-.7860	-.9540	-1.1280	-1.6340
.050				.3480	.3690	.3340	.2960
.081			.3260				
.086		-.0730					
.094	.0000						
.150				.2390	.2370	.2320	.1620
.177			.2350				
.229	.0430						
.246		.1860					
.250				.1200	.1440	.1260	.0670
.362	.1370						
.400				.0600	.0180		-.1110
.402			.0480				
.497	.1210						
.550				-.1520	-.2130		
.565			-.1120				
.600							-.4170
.650						-.3060	
.700	-.0710				-.6030		
.725				-.5710			
.750						-.5230	-.5030
.760			-.5840				
.775				-.6550	-.5230		

AMES 11-7U7 OA12 C2A LOWER WING (RBPL3U)

SECTION : 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.7390				
.834	-.4870						
.850				-.5870	-.4680	-.4400	
.857			-.4510				
.865	-.7180						
.900	-.5150			-.4820			-.4520
.905			-.4570				
.950				-.3600	-.4220	-.3910	
.953			-.3540				
.965	-.2640						

MACH (1) = .398 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6190	-.3980	-.6970	-.9930	-1.1850	-1.3790	-1.6550
.050				.3050	.3190	.2870	.2310
.081			.2810				
.086		-.1420					
.094	-.0490						
.150				.2160	.2120	.2020	.1240
.177			.2170				
.229	-.0100						
.246		.1400					
.250				.1110	.1220	.1020	.0360
.362	.0880						
.400				.0530	.0020		-.1290
.402			.5080				
.497	.1040						
.550				-.1480	-.2210		
.565			-.1060				
.600							-.4160
.650						-.3200	
.700	-.0620				-.5330		
.725				-.5500			
.750						-.5770	-.4340
.760			-.5980				
.775				-.5600	-.6120		
.800			-.7600				
.834	-.4860						
.850				-.5340	-.4780	-.4470	
.857			-.4170				
.865	-.7400						
.900	-.5890			-.4670			-.4100
.905			-.4450				
.950				-.3660	-.3470	-.3570	
.953			-.3290				

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.23U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2660						

MACH (2) = .901 BETA (1) = -8.18U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4U6U	-.468U	.U2UU	.3170	.2330	.177U	-.3U1U
.05U				.5U4U	.531U	.518U	.495U
.U81			.51UU				
.U86		.2U3U					
.U94	.177U						
.15U				.398U	.398U	.399U	.347U
.177			.368U				
.22S	.2211U						
.246		.387U					
.25U				.269U	.322U	.32UU	.263U
.362	.341U						
.4UU				.2U8U	.2U2U		.U96U
.4U2			.164U				
.497	.241U						
.55U				.U65U	-.U47U		
.565			.U63U				
.6UU							-.113U
.65U						.U45U	
.7UU	.U24U				-.282U		
.725				-.248U			
.75U						-.626U	-.778U
.76U			-.227U				
.775				-.64U6	-.8U3U		
.8U3			-.494U				
.834	-.169U						
.85U				-.614U	-.642U	-.628U	
.857			-.384U				
.865	-.362U						
.9UU	-.574U			-.619U			-.616U
.9U5			-.536U				
.95U				-.61U6	-.633U	-.628U	
.953			-.547U				
.965	-.49U6						

MACH (2) = .901 BETA (2) = -4.U4U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.UUU	-.4440	-.3820	-.1690	.1360	.0650	-.0090	-.2920
.05U				.4980	.5060	.486U	.455U
.U81			.495				
.U86		.1330					
.U94	.1430						

AMES 11-7U7 OA12 OBA LOWER WING (RBPL30)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.150				.3640	.3790	.3780	.3150
.177			.3710				
.229	.1890						
.246		.3630					
.250				.2800	.3000	.2900	.2290
.362	.3160						
.400				.2110	.1920		.0620
.402			.1730				
.497	.2520						
.550				.0180	-.0020		
.565			.0240				
.600							-.1390
.650						-.0540	
.700	.0480				-.2790		
.725				-.2290			
.750						-.6630	-.7490
.760			-.2110				
.775				-.6580	-.8620		
.808			-.5220				
.834	-.1440						
.850				-.6450	-.6760	-.6590	
.857			-.4360				
.865	-.6480						
.900	-.6350			-.6660			-.6520
.905			-.5740				
.950				-.6560	-.6780	-.6640	
.953			-.5710				
.965	-.5150						

MACH (2) = .903 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.000	-.4740	-.3280	-.5150	-.0380	-.1100	-.2060	-.4980
.050				.4710	.4690	.4470	.4090
.081			.4700				
.086		.0670					
.094	.0910						
.150				.3640	.3610	.3560	.2860
.177			.3620				
.229	.1480						
.246		.3290					
.250				.2490	.2830	.2630	.1930
.362	.2800						
.400				.2080	.1770		.0230
.402			.1760				
.497	.2500						

AMES 11-FT OA12 OEA LOWER WING (RBPL30)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0210	-.0570		
.565			.0370				
.600							-.1690
.650						-.0690	
.700	.0610				-.2840		
.725				-.2220			
.750						-.6550	-.7230
.760			-.2080				
.775				-.6510	-.8880		
.808			-.5450				
.834	-.1360						
.850				-.6510	-.6910	-.6580	
.857			-.4120				
.865	-.6060						
.900	-.6770			-.6830			-.6570
.905			-.6090				
.950				-.6750	-.6710	-.6650	
.953			-.6090				
.965	-.5310						

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5390	-.3280	-.4210	-.2380	-.2990	-.4190	-.7040
.050				.4330	.4430	.3910	.3440
.081			.4270				
.086		-.0040					
.094	.0310						
.150				.3370	.3270	.3120	.2330
.177			.3440				
.229	.0970						
.246		.2740					
.250				.2270	.2510	.2240	.1440
.362	.2240						
.400				.1920	.1540		-.0190
.402			.1670				
.497	.2300						
.550				.0150	-.0680		
.565			.0400				
.600							-.2120
.650						-.0960	
.700	.0670				-.2990		
.725				-.2260			
.750						-.6990	-.7290
.760			-.2130				
.775				-.6510	-.9230		

AMES 11-7ft OA12 CEA LOWER WING (RBPL3D)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.802			-.5830				
.834	-.1370						
.850				-.6480	-.7180	-.6790	
.857			-.4540				
.865	-.8640						
.910	-.7310			-.6980			-.6990
.925			-.6480				
.950				-.6940	-.6820	-.6870	
.953			-.6580				
.965	-.6120						

MACH (2) = .908 BETA (5) = 8.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8010	-.3480	-.5220	-.4610	-.5100	-.6410	-.8840
.050				.3890	.3910	.3350	.2730
.081			.3850				
.086		-.0880					
.094	-.0300						
.150				.3110	.2970	.2790	.1880
.177			.3210				
.229	.0480						
.246		.2210					
.250				.2090	.2260	.1950	.1030
.382	.1650						
.414				.1830	.1340		-.0560
.482			.1590				
.497	.2070						
.550				.0150	-.0770		
.585			.0450				
.600							-.2470
.650						-.1110	
.700	.0870				-.3090		
.725				-.2290			
.750						-.6890	-.7090
.760			-.2160				
.775				-.6540	-.9170		
.808			-.6120				
.834	-.1330						
.850				-.6440	-.6800	-.6770	
.857			-.4720				
.865	-.8900						
.910	-.7550			-.6840			-.6870
.925			-.6810				
.950				-.6820	-.6370	-.6910	
.953			-.6790				

AMES 11-7D7 OA12 OEA LOWER WING (RBPL30)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.6[illegible]0						

AMES 11-707 OA12 OEA LOWER WING (RBPL31) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.9490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -8.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5380	-.6010	-1.0260	-.9530	-.8810	-.7570	-.9950
.050				.6010	.6160	.5950	.5500
.081			.5370				
.086		.1290					
.094	.1930						
.150				.4460	.4470	.4570	.3720
.177			.4160				
.229	.2500						
.246		.3890					
.250				.2980	.3290	.3160	.2530
.362	.3330						
.400				.1800	.1550		.0410
.402			.1580				
.497	.2550						
.550				-.0870	-.1330		
.585			-.0470				
.600							-.3870
.650						-.3170	
.700	-.0130				-.6450		
.725				-.5580			
.750						-1.1280	-.8460
.760			-.5490				
.775				-.7190	-.9660		
.800			-.7390				
.834	-.4390						
.850				-.6320	-.6080	-.7000	
.857			-.4520				
.865	-.5840						
.900	-.3990			-.5120			-.4650
.905			-.4830				
.950				-.3670	-.3080	-.3410	
.953			-.3170				
.965	-.2080						

MACH (1) = .900 BETA (2) = -3.900

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6850	-.9910	-1.1480	-1.2060	-1.1150	-1.0110	-.0740
.050				.5530	.5740	.5400	.4740
.081			.4900				
.086		.0330					
.094	.1180						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 02A LOWER WING (RBPL31)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.4190	.4170	.4030	.3210
.177			.3970				
.229	.1790						
.246		.3400					
.250				.2820	.3010	.2790	.1960
.362	.2940						
.400				.1740	.1350		-.0140
.402			.1500				
.497	.2510						
.550				-.0720	-.1470		
.565			-.0460				
.600							-.4250
.650						-.3390	
.700	-.0030				-.6630		
.725				-.5720			
.750						-1.0750	-.8510
.760			-.5840				
.775				-.7580	-.9850		
.808			-.8750				
.834	-.4560						
.850				-.6900	-.6130	-.7150	
.857			-.4740				
.865	-.6480						
.900	-.4750			-.5500			-.4640
.905			-.4820				
.950				-.3740	-.3190	-.3510	
.953			-.3310				
.965	-.2220						

MACH (1) = .598 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7940	-.6020	-1.2230	-1.4390	-1.3010	-1.1020	-.8370
.050				.4960	.5170	.4740	.3960
.081			.4360				
.085		-.0580					
.094	.0460						
.150				.3850	.3860	.3650	.2720
.177			.3700				
.229	.1210						
.246		.2860					
.250				.2550	.2710	.2390	.1610
.362	.2480						
.400				.1610	.1150		-.0480
.402			.1440				
.497	.2340						

AMES 11-7U7 OA12 OBA LOWER WING (RBPL31)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1810	-.1620		
.565			-.0450				
.600							-.4480
.650						-.3540	
.700	.0000				-.6750		
.725				-.5810			
.750						-1.0740	-.8090
.760			-.8010				
.775				-.7640	-.9800		
.808			-.9300				
.834	-.4610						
.850				-.6900	-.6180	-.6930	
.857			-.5080				
.865	-.7230						
.900	-.5480			-.5440			-.4550
.905			-.4840				
.950				-.3880	-.3230	-.3470	
.953			-.3220				
.965	-.2570						

MACH (1) = .599 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9070	-.6390	-1.3030	-1.7420	-1.5680	-1.6710	-1.1220
.050				.4280	.4400	.4100	.3430
.081			.3700				
.088		-.1530					
.094	-.0390						
.150				.3500	.3430	.3280	.2330
.177			.3360				
.229	.0530						
.248		.2190					
.250				.2320	.2440	.2110	.1260
.362	.1850						
.400				.1470	.0950		-.0660
.402			.1340				
.497	.2050						
.550				-.0830	-.1720		
.565			-.0420				
.600							-.4530
.650						-.3560	
.700	.0010				-.6760		
.725				-.5860			
.750						-1.0630	-.7630
.760			-.6130				
.775				-.8000	-.9720		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 02A LOWER WING (RBPL31)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.9780				
.834	-.						
.850				-.6830	-.5780	-.6350	
.857			-.4940				
.865	-.7600						
.900	-.6060			-.5060			-.4330
.905			-.4600				
.950				-.3560	-.2880	-.3200	
.953			-.2210				
.965	-.2650						

MACH (1) = .597 BETA (5) = 8.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9850	-.6650	-1.2740	-2.0260	-1.5910	-1.9670	-1.2110
.050				.3610	.3660	.3280	.2620
.081			.3110				
.086		-.2490					
.094	-.1210						
.150				.3130	.3020	.2920	.1920
.177			.3090				
.229	-.0140						
.246		.1590					
.250				.2130	.2140	.1830	.0900
.362	.1240						
.400				.1450	.0780		-.0920
.402			.1290				
.497	.1830						
.550				-.0640	-.1760		
.565			-.0360				
.600							-.4670
.650						-.3620	
.700	.0060				-.6770		
.725				-.5960			
.750						-1.0580	-.7140
.760			-.6310				
.775				-.8660	-.9360		
.808			-1.0330				
.834	-.4590						
.850				-.6490	-.5370	-.5770	
.857			-.4930				
.865	-.8120						
.900	-.6700			-.4500			-.3830
.905			-.4190				
.950				-.3170	-.2690	-.2650	
.953			-.2230				

DATE 10 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-707 CA12 CBA LOWER WING (RBPL31)

SECTION (1)LOWER WING DEPENCENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2430						

MACH (2) = .898 BETA (1) = -0.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5280	-.4100	-.4070	-.0610	-.1120	-.2030	-.4840
.050				.6630	.6740	.6480	.5990
.081			.6290				
.086		.2260					
.094	.2300						
.150				.5300	.5330	.5250	.4510
.177			.5070				
.229	.3000						
.246		.4870					
.250				.4010	.4350	.4220	.3530
.362	.4360						
.400				.3210	.3050		.1750
.402			.2830				
.497	.3620						
.550				.1110	.0619		
.565			.1130				
.600							-.0610
.650						.0320	
.700	.1270				-.2000		
.725				-.1590			
.730						-1.1930	-1.2160
.760			-.1680				
.775				-.6970	-1.2640		
.808			-.6290				
.834	-.1000						
.850				-.6620	-.8940	-.8850	
.857			-.5440				
.865	-.7410						
.900	-.6960			-.6830			-.7840
.905			-.6780				
.950				-.6780	-.6900	-.7810	
.953			-.6870				
.965	-.6060						

MACH (2) = .901 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7930	-.4510	-.5770	-.2640	-.2910	-.4080	-.6750
.050				.6280	.6370	.5910	.5340
.081			.5900				
.086		.1360					
.094	.1680						

AMES 11-707 OA12 02A LOWER WING

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5050	.5040	.4900	.4060
.177			.4910				
.229	.2500						
.246		.4400					
.250				.3840	.4110	.3890	.3050
.362	.3950						
.400				.3130	.2870		.1250
.402			.2850				
.497	.3650						
.550				.1130	.0580		
.565			.1250				
.600							-.1990
.650						.0130	
.700	.1460				-.2080		
.725				-.1500			
.750						-1.2180	-1.2110
.760			-.1570				
.775				-.8330	-1.2560		
.808			-.8300				
.834	-.0790						
.850				-.7530	-1.1580	-1.0110	
.857			-.6390				
.865	-.8440						
.900	-.8020			-.7450			-.8250
.905			-.7810				
.950				-.7340	-.7590	-.8210	
.953			-.7810				
.955	-.6040						

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9160	-.5010	-.7270	-.4780	-.4940	-.6090	-.8360
.050				.5760	.5810	.5300	.4560
.081			.5420				
.086		.0450					
.094	.0950						
.150				.4740	.4660	.4480	.3530
.177			.4700				
.229	.1950						
.246		.3830					
.250				.3620	.3800	.3500	.2550
.362	.3400						
.400				.3000	.2640		.0830
.402			.2750				
.497	.3480						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPL31)

AMES 11-7D7 OA12 O2A LOWER WING

DEPENDENT VARIABLE CP

SECTION (1)LOWER WING

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1110	.0400		
.565			.1300				-.1400
.600						-.0080	
.650					-.2200		
.700	.1540			-.1520			
.725						-1.2270	-1.2200
.750							
.760			-.1650	-1.0520	-1.2510		
.775							
.808			-1.0140				
.834	-.0750			-.7090	-1.1530	-.9900	
.850							
.857			-.7600				
.865	-.8530			-.7690			-.6280
.900	-.8970						
.905			-.8170				
.950				-.7450	-.7980	-.8100	
.953			-.7770				
.965	-.6350						

MACH (2) = .887 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0060	-.5480	-.7970	-.6890	-.6980	-.8100	-.9040
.050				.5210	.5200	.4610	.3740
.081			.4850				
.086		-.0500					
.094	.0280						
.150				.4430	.4260	.4010	.2960
.177			.4420				
.229	.1350						
.246		.3180					
.250				.3390	.3450	.3110	.2030
.362	.2750						
.400				.2870	.2380		.0400
.402			.2670				
.497	.3250						
.550				.1060	.0290		
.565			.1320				-.1820
.600						-.0270	
.650					-.2350		
.700	.1560			-.1560			
.725						-1.2320	-1.1720
.750							
.760			-.1620				
.775				-1.1670	-1.2430		

AMES 11-FT OA12 OEA LOWER WING (RBPL31)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-1.1660				
.834	-.0710						
.850				-1.1920	-1.0810	-1.0450	
.857			-.8820				
.865	-.7950						
.900	-.9420			-.8900			-.8250
.905			-.8700				
.950				-.8220	-.8280	-.8270	
.953			-.7790				
.965	-.5940						

MACH (2) = .898 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0540	-.5760	-.7910	-.8800	-.8990	-.9860	-.9200
.050				.4530	.4430	.3800	.2810
.081			.4210				
.086		-.1450					
.094	-.0570						
.150				.4020	.3790	.3430	.2350
.177			.4090				
.229	.0630						
.246		.2440					
.250				.3060	.3060	.2630	.1490
.362	.2000						
.400				.2670	.2050		-.0050
.402			.2490				
.497	.2870						
.550				.0950	.0150		
.565			.1250				
.600							-.2270
.650						-.0520	
.700	.1490				-.2550		
.723				-.1690			
.750						-1.2420	-1.1360
.750			-.1750				
.775				-1.1690	-1.2410		
.808			-1.1720				
.834	-.0750						
.850				-1.2120	-1.1110	-1.0510	
.857			-.8550				
.865	-.7590						
.900	-.5920			-.8940			-.8460
.905			-.8720				
.950				-.7150	-.8150	-.8410	
.953			-.7270				

AMES 11-7G7 OA12 OPA LOWER WING (REPL31)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .890 BETA (5) = 0.350

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.985	-.5810						

AMES 11-707 OA12 OEA LOWER WING (RBPL32) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0340 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8650	-.7510	-1.6520	-1.6410	-1.2290	-1.1400	-1.0730
.050				.6830	.6920	.6510	.5860
.081			.6090				
.086		.1060					
.094	.2040						
.150				.5550	.5580	.5300	.4530
.177			.5350				
.229	.2990						
.246		.4690					
.250				.4190	.4330	.4040	.3310
.362	.4220						
.400				.2810	.2480		.1090
.402			.2660				
.497	.3700						
.550				.0180	-.0540		
.565			.0480				
.600							-.3380
.650						-.2780	
.700	.0780				-.0270		
.725				-.5630			
.750						-1.3530	-.0160
.760			-.5780				
.775				-1.1300	-1.2350		
.808			-1.1210				
.834	-.4020						
.850				-.7750	-.7710	-.8480	
.857			-.5660				
.865	-.6750						
.900	-.4300			-.5290			-.5430
.905			-.4260				
.950				-.3440	-.4220	-.4280	
.953			-.2320				
.965	-.1820						

MACH (1) = .887 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0480	-.6450	-1.8370	-1.9220	-1.3080	-1.2740	-1.1130
.050				.6180	.8810	.5770	.4980
.081			.5420				
.086		-.0140					
.094	.1100						

AMES 11-7U7 OA12 OZA LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5280	.5130	.4910	.3980
.177			.5040				
.229	.2300						
.246		.3990					
.250				.3910	.4000	.3670	.2830
.362	.3680						
.400				.2680	.2280		.0720
.402			.2580				
.497	.3570						
.550				.0100	-.0670		
.565			.0480				
.600							-.3680
.650						-.2950	
.700	.0900				-.6380		
.725				-.5720			
.750						-1.3630	-.9310
.760			-.5070				
.775				-1.1460	-1.2460		
.800			-1.1700				
.834	-.4100						
.850				-.8060	-.7690	-.8530	
.857			-.5780				
.865	-.7320						
.900	-.5160			-.5540			-.5530
.905			-.4360				
.950				-.3720	-.4310	-.4580	
.953			-.2350				
.965	-.2220						

MACH (1) = .599 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1920	-.9280	-1.8810	-2.1950	-1.4490	-1.2790	-1.0430
.050				.5460	.5460	.4990	.4080
.081			.4730				
.086		-.1380					
.094	.0080						
.150				.4850	.4710	.4410	.3390
.177			.4710				
.229	.1530						
.248		.3290					
.250				.3670	.3650	.3270	.2310
.362	.3060						
.400				.2580	.2010		.0290
.402			.2480				
.497	.3330						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .990 BETA (3) = .070

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.1090	-.0800		
.565			.0500				
.600							-.3940
.650						-.3020	
.700	.0980				-.6400		
.725				-.5640			
.750						-1.3530	-.9120
.760			-.5830				
.775				-1.1030	-1.2370		
.848			-1.1900				
.934	-.4070						
.850				-.7770	-.7560	-.8370	
.857			-.5490				
.865	-.7610						
.900	-.5760			-.5530			-.5350
.905			-.4270				
.950				-.3750	-.4300	-.4450	
.953			-.2080				
.965	-.2260						

MACH (1) = .599 BETA (4) = 4.190

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.2080	-.9790	-1.8250	-2.2930	-1.4380	-1.1360	-.9330
.050				.4600	.4640	.4130	.3110
.081			.3950				
.086		-.2550					
.094	-.0940						
.150				.4410	.4260	.3860	.2770
.177			.4280				
.229	.0670						
.246		.2520					
.250				.3380	.3260	.2810	.1760
.362	.2300						
.400				.2410	.1770		-.0150
.402			.2310				
.497	.3030						
.550				.0000	-.0970		
.565			.0480				
.600							-.4230
.650						-.3210	
.700	.0970				-.6500		
.725				-.5660			
.750						-1.3370	-.8820
.760			-.5900				
.775				-1.0700	-1.2040		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPL32)

AMES 11-7D7 OA12 ORA LOWER WING

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-1.1820				
.834	-.6040						
.850				-.7240	-.6830	-.7610	
.857			-.5210				
.865	-.7890						
.900	-.6340			-.5000			-.4990
.905			-.3840				
.950				-.3400	-.3930	-.4050	
.953			-.1720				
.965	-.2410						

MACH (1) = .800 BETA (5) = 9.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3750	-.9920	-1.7380	-2.4760	-1.4240	-1.1040	-.9160
.050				.3660	.3720	.3170	.2060
.081			.3170				
.088		-.3660					
.094	-.2040						
.150				.3830	.3680	.3260	.2050
.177			.3790				
.229	-.0240						
.246		.1660					
.250				.2960	.2870	.2320	.1190
.362	.1470						
.400				.2170	.1430		-.0520
.402			.2160				
.497	.2540						
.550				-.0160	-.1170		
.565			.0450				
.600							-.4540
.650						-.3400	
.700	.0600				-.6690		
.725				-.5760			
.750						-1.3420	-.8670
.760			-.5960				
.775				-1.0[illegible]	-1.1900		
.808			-1.2010				
.834	-.4090						
.850				-.7130	-.6740	-.7340	
.857			-.5020				
.865	-.8100						
.900	-.6890			-.4820			-.4910
.905			-.3910				
.950				-.3300	-.4260	-.3990	
.953			-.1540				

AMES 11-707 OA12 C2A LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = 8.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2030						

MACH (2) = .902 BETA (1) = -8.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7620	-.5800	-.6960	-.4840	-.5010	-.6060	-.8800
.050				.7650	.7720	.7240	.6500
.081			.7150				
.086		.2320					
.094	.2690						
.150				.6510	.6500	.6290	.5430
.177			.6290				
.229	.3740						
.246		.5710					
.250				.5260	.5470	.5230	.4390
.362	.5270						
.400				.4300	.4100		.2560
.402			.3990				
.497	.4790						
.550				.2220	.1780		
.565			.2250				
.600							.0060
.650						.1070	
.700	.2330				-.1220		
.725				-.0770			
.750						-1.1910	-1.1890
.760			-.1170				
.775				-1.0090	-1.2370		
.800			-.9120				
.834	-.0500						
.850				-.7750	-1.2440	-1.2590	
.857			-.6370				
.865	-.8770						
.900	-.7960			-.7540			-.8130
.905			-.7830				
.950				-.7320	-.8600	-.8680	
.953			-.7740				
.965	-.6470						

MACH (2) = .898 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9430	-.7210	-1.0840	-.6910	-.6850	-.7940	-1.0000
.050				.7060	.7080	.6500	.5620
.081			.6580				
.086		.1240					
.094	.1840						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.6110	.6040	.5800	.4860
.177			.6020				
.229	.3060						
.246		.5060					
.250				.4980	.5130	.4790	.3830
.362	.4720						
.400				.4160	.3830		.2100
.402			.3910				
.497	.4660						
.550				.2160	.1590		
.565			.2270				
.600							-.0580
.650						.0860	
.700	.2440				-.1400		
.725				-.0830			
.750						-1.2040	-1.2160
.760			-.1100				
.775				-1.1410	-1.2390		
.800			-1.1500				
.834	-.0350						
.850				-.9920	-1.2550	-1.2830	
.857			-.7280				
.865	-.8410						
.900	-.9700			-.7900			-.8460
.905			-.8520				
.950				-.7460	-.9240	-.8730	
.953			-.8070				
.965	-.7470						

MACH (2) = .905 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1060	-.8350	-1.0880	-.8690	-.8710	-.9570	-1.0130
.050				.6370	.6320	.5700	.4660
.081			.5920				
.086		.0190					
.094	.0910						
.150				.5730	.5590	.5240	.4140
.177			.5670				
.229	.2370						
.246		.4370					
.250				.4680	.4730	.4340	.3250
.362	.4040						
.400				.3980	.3550		.1590
.412			.3810				
.497	.4420						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2100	.1430		
.565			.2320				
.600							-.0820
.650						.0630	
.700	.2500				-.1510		
.725				-.0810			
.750						-1.2030	-1.2240
.760			-.1050				
.775				-1.1330	-1.2240		
.808			-1.1350				
.834	-.0180						
.850				-1.1570	-1.2460	-1.2810	
.857			-.6440				
.865	-.8040						
.900	-.9630			-.8410			-.8660
.905			-1.1140				
.950				-.8130	-.9690	-.8850	
.953			-.8280				
.965	-.6840						

MACH (2) = .897 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2260	-.8040	-1.0520	-1.0030	-.9950	-.9190	-.9620
.050				.5660	.5530	.4850	.3680
.081			.5260				
.086		-.0880					
.094	.0130						
.150				.5310	.5100	.4690	.3490
.177			.5350				
.229	.1670						
.246		.3630					
.250				.4390	.4320	.3880	.2680
.362	.3350						
.400				.3790	.3250		.1120
.402			.3670				
.497	.4120						
.550				.2010	.1260		
.565			.2310				
.600							-.1260
.650						.0380	
.700	.2500				-.1670		
.725				-.0910			
.750						-1.2110	-1.2260
.760			-.1100				
.775				-1.1540	-1.2190		

AMES 11-7U7 OA12 CRA LOWER WING (RBPL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-1.1430				
.834	-.0090						
.850				-1.2070	-1.2350	-1.2780	
.857			-.9310				
.865	-.8200						
.900	-.9960			-.8710			-.8290
.905			-1.1520				
.950				-.8420	-.8720	-.8330	
.953			-.7870				
.965	-.6550						

MACH (2) = .901 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3280	-1.0020	-1.0300	-1.1730	-1.0000	-1.0030	-.9290
.050				.4770	.4540	.3890	.2530
.081			.4430				
.086		-.1920					
.094	-.0930						
.150				.4720	.4420	.4020	.2710
.177			.4810				
.229	.0830						
.246		.2700					
.250				.3960	.3760	.3310	.2440
.362	.2410						
.400				.3490	.2850		.0540
.402			.3350				
.497	.3580						
.550				.1790	.0990		
.565			.2130				
.600							-.1770
.650						.0110	
.700	.2340				-.1930		
.725				-.1080			
.750						-1.2170	-1.2530
.760			-.1260				
.775				-1.1550	-1.2140		
.808			-1.1470				
.834	-.0100						
.850				-1.2180	-1.2280	-1.2810	
.857			-.8890				
.865	-.7500						
.900	-.6020			-.9080			-.8630
.905			-.9110				
.950				-.8180	-.9410	-.8630	
.953			-.7360				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LOWER WING (RBFL32)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.857
X/CW							
.965	-.3489						

AMES 11-707 OA12 OEA LOWER WING (RBPL33) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -4.910

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1090	-.4370	.0630	.2000	.2630	.2010	.2220
.050				-.6250	-.6180	-.7190	-.7830
.081			-.4120				
.086		-.1780					
.094	-.1750						
.150				-.2900	-.3410	-.3220	-.3150
.177			-.2890				
.229	-.1110						
.246		-.2240					
.250				-.2870	-.2320	-.2320	-.2390
.362	-.1250						
.450				-.2070	-.2310		-.2640
.402			-.2390				
.497	-.2210						
.550				-.3040	-.3260		
.565			-.2940				
.600							-.3225
.650						-.3070	
.700	-.2530				-.3740		
.725				-.3460			
.750						-.3650	-.3290
.760			-.3240				
.775				-.3060	-.3340		
.808			-.2880				
.834	-.2870						
.850				-.2720	-.2480	-.2360	
.857			-.2970				
.865	-.2210						
.900	-.1970			-.1820			-.1630
.905			-.1750				
.950				-.0500	-.0430	-.0440	
.953			-.0700				
.965	-.1130						

MACH (1) = .599 BETA (2) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1120	-.2830	.0980	.2020	.1960	.1500	.1610
.050				-.5310	-.5320	-.6130	-.6540
.081			-.3070				
.086		-.1180					
.094	-.1120						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2470	-.2840	-.2860	-.2880
.177			-.2420				
.229	-.0690						
.246		-.1480					
.250				-.2580	-.2170	-.2140	-.2150
.362	-.0730						
.400				-.1860	-.2070		-.2470
.402			-.2110				
.497	-.1760						
.550				-.2800	-.3100		
.565			-.2640				
.600							-.3020
.650						-.3030	
.700	-.2160				-.3990		
.725				-.3310			
.750						-.3490	-.3020
.760			-.3040				
.775				-.2940	-.3300		
.808			-.2720				
.834	-.2670						
.850				-.2650	-.2440	-.2300	
.857			-.3030				
.865	-.2190						
.900	-.1950			-.1820			-.1440
.905			-.1690				
.950				-.0460	-.0390	-.0400	
.953			-.0660				
.965	-.1250						

MACH (1) = .598 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0850	-.1470	.1470	.2060	.1730	.1290	.1330
.050				-.4250	-.4500	-.5310	-.5410
.081			-.2040				
.086		-.0710					
.094	-.0520						
.150				-.2080	-.2400	-.2250	-.2370
.177			-.1890				
.229	-.0360						
.246		-.0750					
.250				-.2280	-.1920	-.1880	-.1900
.362	-.1400						
.400				-.1530	-.1920		-.2310
.402			-.1790				
.497	-.1340						

AMES 11-707 OA12 OZA LOWER WING (RBPL33)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.280

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.2510	-.2830		
.565			-.2250				
.600							-.2800
.650						-.2820	
.700	-.1900				-.3420		
.725				-.3080			
.750						-.3270	-.2750
.760			-.2800				
.775				-.2780	-.3130		
.808			-.2530				
.834	-.2480						
.850				-.2330	-.2270	-.2130	
.857			-.2950				
.865	-.2100						
.900	-.1990			-.1670			-.1250
.905			-.1600				
.950				-.0420	-.0320	-.0270	
.953			-.0640				
.965	-.1380						

MACH (2) = .888 BETA (1) = -4.990

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1320	-.3640	.2310	.4650	.4560	.4050	.3600
.050				-1.0510	-.9230	-.8530	-.8390
.081			-.3100				
.086		-.1110					
.094	-.1350						
.150				-.3130	-.8680	-.6720	-.5480
.177			-.3280				
.229	-.0530						
.246		-.1240					
.250				-.2990	-.3590	-.4530	-.3950
.362	-.0290						
.400				-.2080	-.1990		-.3340
.402			-.3120				
.497	-.2430						
.550				-.2990	-.3370		
.565			-.3150				
.600							-.4410
.650						-.4470	
.700	-.2550				-.5750		
.725				-.5390			
.750						-.6430	-.5420
.780			-.5460				
.775				-.6080	-.6770		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 CRA LOWER WING (RBPL33)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (1) = -4.990

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.6140				
.834	-.4810						
.850				-.5360	-.5480	-.4260	
.857			-.3460				
.865	-.5000						
.900	-.2640			-.1790			-.2210
.905			-.1540				
.950				-.0430	-.0200	-.0360	
.953			-.0510				
.985	-.0540						

MACH (2) = .800 BETA (2) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0800	-.2320	.2270	.3930	.3490	.3000	.2290
.050				-.7720	-.7220	-.7960	-.6290
.081			-.2350				
.086		-.0620					
.094	-.0680						
.150				-.2220	-.5670	-.5740	-.5330
.177			-.2680				
.229	-.0190						
.246		-.0840					
.250				-.3230	-.3410	-.3120	-.3810
.362	.0125						
.400				-.1790	-.2080		-.3420
.402			-.3170				
.497	-.1800						
.550				-.2930	-.3630		
.565			-.2970				
.600							-.4800
.650						-.4750	
.700	-.2370				-.5900		
.725				-.5380			
.750						-.6080	-.6280
.760			-.5330				
.775				-.6100	-.6920		
.808			-.6070				
.834	-.4480						
.850				-.4190	-.5480	-.4010	
.857			-.3410				
.865	-.5110						
.900	-.3180			-.1930			-.1500
.905			-.1480				
.950				-.1030	-.0410	-.0330	
.933			-.0820				

AMES 11-707 OA12 OEA LOWER WING (RBPL33)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .889 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0700						

MACH (2) = .910 BETA (3) = 5.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0220	-.0990	.2340	.3310	.2530	.1830	.1320
.050				-.4430	-.6540	-.9070	-.5660
.081			-.1430				
.088		-.0190					
.094	-.0150						
.130				-.1910	-.3990	-.4280	-.4770
.177			-.1990				
.229	.0050						
.246		-.0110					
.250				-.3140	-.2420	-.2030	-.3720
.362	.0210						
.400				-.1530	-.2230		-.3440
.402			-.2440				
.497	-.1380						
.550				-.2980	-.3710		
.565			-.2810				
.800							-.4910
.650						-.4880	
.700	-.2360				-.5960		
.725				-.5280			
.750						-.7130	-.6510
.780			-.5100				
.775				-.5690	-.6870		
.808			-.5710				
.834	-.4190						
.850				-.3050	-.3100	-.1980	
.857			-.3210				
.885	-.4740						
.900	-.2810			-.1140			-.0800
.905			-.1310				
.950				-.0870	-.0220	.0030	
.953			-.0680				
.988	-.0810						

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AMES 11-FT OA12 OBA LOWER WING (RBPL34) (01 MAY 75)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	.0080	-.0240	.3630	.5980	.6010	.5980	.5690
.050				-.2200	-.3350	-.1680	-.2240
.081			-.1170				
.086		-.0250					
.094	-.0720						
.150				-.0960	-.0820	-.0750	-.0650
.177			-.1130				
.229	-.0850						
.248		-.0420					
.250				-.1370	-.0750	-.0670	-.0620
.362	-.0220						
.400				-.1120	-.1170		-.1480
.402			-.1480				
.497	-.1210						
.550				-.2320	-.2500		
.565			-.2310				
.600							-.2500
.650						-.2520	
.700	-.1970				-.3270		
.725				-.3005			
.750						-.3290	-.2920
.760			-.2870				
.775				-.2730	-.3080		
.808			-.2550				
.834	-.2560						
.850				-.2410	-.2250	-.2190	
.857			-.2900				
.865	-.1900						
.900	-.1740			-.1580			-.1580
.905			-.1560				
.950				-.0510	-.0260	-.0290	
.953			-.0520				
.965	-.0980						

MACH (1) = .599 BETA (2) = -3.950

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0030	.0070	.3370	.5500	.5320	.5310	.4770
.050				-.2240	-.3150	-.2150	-.1910
.081			-.0650				
.086		-.0090					
.094	-.0380						

AMES 11-FT OA12 C2A LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0740	-.0760	-.0630	-.0620
.177			-.0870				
.229	-.0660						
.246		-.0150					
.250				-.1290	-.0740	-.0710	-.0710
.362	.0070						
.400				-.0970	-.1180		-.1610
.402			-.1370				
.497	-.0910						
.550				-.2220	-.2480		
.565			-.2170				
.600							-.2560
.650						-.2560	
.700	-.1790				-.3250		
.725				-.2970			
.750						-.3330	-.2670
.765			-.2810				
.775				-.2740	-.3110		
.818			-.2580				
.834	-.2480						
.850				-.2530	-.2320	-.2260	
.857			-.2870				
.865	-.1890						
.900	-.1800			-.1680			-.1510
.915			-.1580				
.950				-.0390	-.0290	-.0330	
.953			-.0800				
.965	-.1130						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0380	.0020	.2990	.4950	.4600	.4800	.3830
.050				-.1680	-.2120	-.1800	-.1380
.081			-.0070				
.086		.0020					
.094	-.0090						
.150				-.0600	-.0640	-.0490	-.0590
.177			-.0550				
.229	.0090						
.246		.0190					
.250				-.1210	-.0710	-.0620	-.0710
.362	.0520						
.400				-.0900	-.1140		-.1640
.402			-.1080				
.497	-.0620						

AMES 11-707 OA12 OBA LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2140	-.2340		
.565			-.1940				
.600							-.2510
.650						-.2480	
.700	-.1540				-.3210		
.725				-.2910			
.750						-.3290	-.2790
.760			-.2680				
.775				-.2710	-.3060		
.808			-.2450				
.834	-.2290						
.850				-.2540	-.2340	-.2190	
.857			-.2830				
.865	-.1820						
.900	-.1770			-.1720			-.1460
.905			-.1660				
.950				-.0400	-.0320	-.0290	
.953			-.0650				
.965	-.1200						

MACH (1) = .599 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0980	-.0200	.2520	.4340	.3840	.3800	.2860
.050				-.1120	-.1250	-.1060	-.1100
.081			.0360				
.086		-.0010					
.094	-.0060						
.150				-.0360	-.0430	-.0420	-.0670
.177			-.0350				
.229	.0060						
.246		.0400					
.250				-.1050	-.0620	-.0620	-.0720
.362	.0370						
.400				-.0720	-.1060		-.1650
.402			-.0960				
.497	-.0430						
.550				-.1880	-.2290		
.565			-.1660				
.600							-.2480
.650						-.2440	
.700	-.1330				-.3110		
.725				-.2760			
.750						-.3210	-.2720
.760			-.2570				
.775				-.2570	-.2970		

AMES 11-7ft OA12 OEA LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.810

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.2330				
.834	-.2150						
.850				-.2440	-.2280	-.2110	
.857			-.2810				
.865	-.1840						
.900	-.1760			-.1690			-.1380
.905			-.1840				
.950				-.0380	-.0310	-.0290	
.953			-.0660				
.965	-.1270						

MACH (1) = .999 BETA (5) = 8.310

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1490	-.0870	.1840	.3510	.2910	.2850	.1580
.080				-.0810	-.0810	-.0520	-.0800
.081			.0850				
.086		-.0030					
.094	-.0080						
.150				-.0150	-.0240	-.0290	-.0550
.177			.0080				
.229	.0080						
.246		.0810					
.250				-.0840	-.0490	-.0490	-.0720
.362	.0420						
.400				-.0520	-.0800		-.1600
.402			-.0850				
.497	-.0210						
.550				-.1710	-.2070		
.565			-.1400				
.600							-.2390
.650						-.2230	
.700	-.1050				-.2930		
.725				-.2570			
.750						-.3010	-.2580
.760			-.2510				
.775				-.2980	-.2890		
.808			-.2070				
.834	-.1970						
.850				-.2270	-.2080	-.1980	
.857			-.2780				
.865	-.1820						
.900	-.1700			-.1560			-.1290
.905			-.1580				
.950				-.0350	-.0210	-.0180	
.953			-.0700				

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 OEA LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .499 BETA (5) = 8.310

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.1190						

MACH (2) = .899 BETA (1) = -8.100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0240	-.0040	.4390	.6850	.8620	.6500	.6030
.050				-.2410	-.4850	-.3440	-.3720
.081			-.0710				
.086		.0070					
.094	-.0500						
.150				-.0550	-.0810	-.0830	-.0790
.177			-.0940				
.229	.0110						
.248		.0150					
.250				-.1330	-.0580	-.0440	-.0670
.362	.0500						
.400				-.0770	-.0940		-.1980
.412			-.1350				
.497	-.1300						
.550				-.2490	-.3010		
.565			-.2550				
.600							-.3850
.650						-.4190	
.700	-.2120				-.5430		
.725				-.4980			
.750						-.6370	-.5820
.760			-.5180				
.775				-.5670	-.6510		
.800			-.5820				
.834	-.4590						
.850				-.3940	-.2820	-.3360	
.857			-.3550				
.865	-.4790						
.900	-.2140			-.1350			-.1710
.905			-.1100				
.950				-.0450	-.0450	-.0490	
.953			-.0140				
.965	-.0290						

MACH (2) = .897 BETA (2) = -4.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.050	.0120	.0260	.4040	.6230	.5860	.5760	.5180
.050				-.2160	-.3570	-.3260	-.2730
.081			-.0060				
.086		.0290					
.094	-.0080						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -4.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0420	-.0660	-.0660	-.0790
.177			-.0610				
.229	.0350						
.246		.0550					
.250				-.1230	-.0540	-.0510	-.0760
.362	.0820						
.400				-.0540	-.0950		-.2200
.402			-.1200				
.497	-.0620						
.550				-.2320	-.3020		
.565			-.2300				
.600							-.4160
.650						-.4200	
.700	-.1820				-.5370		
.725				-.4870			
.750						-.6320	-.5900
.760			-.4940				
.775				-.5620	-.6380		
.800			-.5610				
.834	-.4140						
.850				-.4290	-.2750	-.2670	
.857			-.4120				
.865	-.4530						
.900	-.2700			-.1250			-.1250
.905			-.1050				
.950				-.0230	-.0460	-.0420	
.953			-.0110				
.965	-.0400						

MACH (2) = .898 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0270	.0230	.3620	.5570	.5060	.4950	.4190
.050				-.1590	-.2670	-.2830	-.2140
.081			.0490				
.086		.0300					
.094	.0100						
.150				-.0310	-.0590	-.0580	-.0880
.177			-.0360				
.229	.0390						
.246		.0780					
.250				-.1180	-.0500	-.0590	-.0920
.362	.0900						
.400				-.0560	-.0970		-.2360
.402			-.1100				
.497	-.0350						

AMES 11-707 OA12 02A LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2200	-.3000		
.565			-.2110				
.600							-.4390
.650						-.4300	
.700	-.1630				-.5340		
.725				-.4750			
.750						-.6700	-.6190
.760			-.4670				
.775				-.5510	-.6330		
.808			-.5400				
.834	-.3780						
.850				-.5530	-.2770	-.2410	
.857			-.4370				
.865	-.4220						
.900	-.3890			-.1420			-.1170
.905			-.1260				
.950				-.0350	-.0470	-.0550	
.953			-.0300				
.965	-.0650						

MACH (2) = .898 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0910	.0040	.3080	.4900	.4310	.4180	.3230
.050				-.0910	-.1680	-.1980	-.1680
.081			.0980				
.086		.0330					
.094	.0270						
.150				-.0150	-.0470	-.0490	-.0900
.177			-.0060				
.229	.0440						
.246		.0930					
.250				-.1070	-.0520	-.0620	-.1070
.362	.0690						
.400				-.0480	-.1030		-.2570
.402			-.0950				
.497	-.0090						
.550				-.2050	-.2880		
.565			-.1910				
.800							-.4630
.650						-.4350	
.700	-.1480				-.5230		
.725				-.4560			
.750						-.6830	-.6270
.760			-.4440				
.775				-.5250	-.6090		

AMES 11-707 OA12 OA LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5190				
.834	-.3330						
.850				-.5130	-.2480	-.1930	
.857			-.4390				
.865	-.3950						
.900	-.3440			-.1270			-.0790
.905			-.1320				
.950				-.0130	-.0140	-.0270	
.953			-.0110				
.965	-.0830						

MACH (2) = .901 BETA (5) = 8.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1410	-.0180	.2160	.4150	.3440	.3330	.2210
.050				-.0390	-.0840	-.1020	-.1280
.081			.1290				
.086		.0180					
.094	.0200						
.150				-.0340	-.0380	-.0420	-.0900
.177			.0250				
.229	.0280						
.246		.1050					
.250				-.0980	-.0460	-.0650	-.1170
.362	.0790						
.400				-.0440	-.0990		-.2650
.402			-.0780				
.497	-.0040						
.550				-.1910	-.2830		
.585			-.1880				
.600							-.4790
.650						-.4310	
.700	-.1380				-.5110		
.725				-.4430			
.750						-.8520	-.8320
.760			-.4130				
.775				-.5000	-.8[illegible]		
.808			-.4980				
.834	-.3310						
.850				-.4740	-.2980	-.1040	
.857			-.4030				
.865	-.4110						
.900	-.3490			-.1480			-.0910
.905			-.1910				
.950				-.0170	-.0280	-.0200	
.953			-.0450				

AMES 11-7U7 OA12 OBA LOWER WING (RBPL34)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.43D

Y/BW	.259	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.115U						

AMES 11-707 OA12 OEA LOWER WING (RBPL35) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .550 BETA (1) = -8.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0350	-.0120	.2730	.4700	.3410	.3010	-.0800
.050				.1800	.2290	.2540	.2700
.081			.2140				
.088		.1110					
.094	.0720						
.150				.1480	.1590	.1780	.1560
.177			.1120				
.229	.0870						
.248		.1020					
.250				.0490	.1180	.1280	.1000
.362	.1320						
.400				.0240	.0190		-.0240
.402			-.0180				
.497	.0270						
.550				-.1280	-.1390		
.565			-.1300				
.600							-.1660
.650						-.1080	
.700	-.1100				-.2640		
.725				-.2380			
.750						-.2920	-.2390
.760			-.2420				
.775				-.2270	-.2700		
.808			-.2170				
.834	-.2040						
.850				-.2240	-.2080	-.2140	
.857			-.2800				
.865	-.1800						
.900	-.1480			-.1500			-.1630
.905			-.1340				
.950				-.0250	-.0330	-.0410	
.953			-.0410				
.965	-.0850						

MACH (1) = .599 BETA (2) = -3.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2080	-.1610	.1370	.3240	.1880	.1340	-.2940
.050				.1920	.2370	.2520	.2640
.081			.2320				
.088		.0860					
.094	.0830						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 C2A LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1490	.1680	.1680	.1410
.177			.1230				
.229	.0820						
.246		.1650					
.250				.0490	.1140	.1130	.0850
.362	.1330						
.400				.0290	.0180		-.1420
.402			-.0030				
.497	.0460						
.550				-.1190	-.1430		
.565			-.1110				
.600							-.1760
.650						-.1730	
.700	-.0750				-.2610		
.725				-.2310			
.750						-.2940	-.2460
.750			-.2220				
.775				-.2230	-.2710		
.808			-.2060				
.834	-.1900						
.850				-.2220	-.2110	-.2100	
.857			-.2630				
.855	-.1520						
.900	-.1480			-.1580			-.1610
.905			-.1420				
.950				-.0290	-.0340	-.0420	
.953			-.0500				
.965	-.0940						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3700	-.3160	.0110	.1640	.0110	-.0590	-.5350
.050				.1960	.2410	.2430	.2410
.081			.2440				
.086		.0390					
.094	.0410						
.150				.1470	.1490	.1580	.1220
.177			.1330				
.229	.0640						
.246		.1560					
.250				.0500	.1060	.1050	.0570
.362	.1280						
.400				.0340	.0140		-.0690
.402			.0050				
.497	.0590						

AMES 11-707 OA12 02A LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.1080	-.1450		
.565			-.0970				
.600							-.1910
.650						-.1770	
.700	-.0630				-.2610		
.725				-.2250			
.750						-.2950	-.2490
.760			-.2220				
.775				-.2210	-.2670		
.808			-.2010				
.834	-.1830						
.850				-.2310	-.2140	-.2160	
.857			-.2560				
.865	-.1480						
.900	-.1510			-.1600			-.1580
.905			-.1450				
.950				-.0360	-.0420	-.0450	
.953			-.0540				
.965	-.1050						

MACH (1) = .599 BETA (4) = 4.270

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3640	-.2980	-.1570	-.0140	-.1640	-.2690	-.7770
.050				.2090	.2360	.2280	.2160
.081			.2500				
.086		-.0180					
.094	.0080						
.150				.1430	.1430	.1420	.0990
.177			.1440				
.229	.0330						
.246		.1470					
.250				.0520	.0950	.0680	.0380
.362	.1050						
.400				.0390	.0110		-.0890
.402			.0110				
.497	.0630						
.550				-.0980	-.1450		
.565			-.0860				
.600							-.2090
.650						-.1810	
.700	-.0580				-.2620		
.725				-.2190			
.750						-.2940	-.2530
.760			-.2090				
.775				-.2160	-.2680		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.848			-.1090				
.834	-.1650						
.850				-.2240	-.2170	-.2120	
.857			-.2360				
.865	-.1470						
.900	-.1540			-.1560			-.1630
.905			-.1550				
.950				-.0350	-.0470	-.0450	
.933			-.0700				
.965	-.1190						

MACH (1) = .800 BETA (5) = 8.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3650	-.2480	-.2780	-.1910	-.3750	-.5010	-1.1000
.050				.2440	.2390	.2110	.1880
.081			.2360				
.086		-.0680					
.094	-.0310						
.150				.1350	.1390	.1330	.0800
.177			.1460				
.229	.0000						
.246		.1230					
.250				.0490	.0810	.0620	.0100
.362	.0720						
.400				.0350	.0070		-.1060
.402			.0190				
.497	.0360						
.550				-.0970	-.1420		
.565			-.0700				
.600							-.2110
.650						-.1840	
.700	-.0470				-.2540		
.725				-.2120			
.750						-.2840	-.2490
.760			-.2010				
.775				-.2030	-.2650		
.808			-.1810				
.834	-.1560						
.850				-.2170	-.2140	-.2100	
.857			-.2500				
.865	-.1440						
.900	-.1610			-.1580			-.1550
.905			-.1550				
.950				-.0380	-.0530	-.0480	
.953			-.0790				

DATE 18 SEP 75 TABULATED PRESSURE DATA - CA12A

AMES 11-707 CA12 CBA LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (5) = 8.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1370						

MACH (2) = .903 BETA (1) = -8.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0580	.0300	.3980	.6420	.5990	.5810	.3330
.050				.1900	.2370	.2520	.2450
.081			.2750				
.088		.1490					
.094	.0880						
.150				.1900	.1900	.1980	.1680
.177			.1580				
.229	.1200						
.248		.2220					
.250				.0790	.1550	.1440	.1120
.362	.1970						
.400				.0700	.0570		-.0490
.402			.0190				
.497	.0780						
.550				-.1260	-.1750		
.565			-.1270				
.600							-.2620
.650						-.2920	
.700	-.0870				-.4090		
.725				-.3880			
.750						-.5020	-.4530
.760			-.5320				
.775				-.4580	-.5200		
.808			-.4480				
.834	-.3330						
.850				-.5780	-.5450	-.5860	
.857			-.4480				
.865	-.4250						
.900	-.2210			-.1610			-.5740
.905			-.1200				
.950				.0160	-.0230	-.1020	
.953			.0210				
.965	-.0890						

MACH (2) = .908 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2360	-.1310	.2760	.5150	.4200	.4080	.1520
.050				.2120	.2500	.2430	.2410
.081			.2970				
.086		.1180					
.094	.0740						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1840	.1850	.1850	.1470
.177			.1790				
.229	.1060						
.246		.2300					
.250				.0720	.1360	.1380	.0840
.362	.2000						
.400				.0750	.0560		-.0750
.402			.0320				
.497	.0980						
.550				-.1110	-.1840		
.565			-.1050				
.600							-.2900
.650						-.3040	
.700	-.0770				-.4290		
.725				-.3760			
.750						-.5250	-.4680
.760			-.3700				
.775				-.4450	-.5220		
.808			-.4420				
.834	-.3080						
.850				-.5690	-.5700	-.5920	
.857			-.5090				
.865	-.3930						
.900	-.3170			-.2120			-.6100
.905			-.1930				
.950				.0020	-.0900	-.1460	
.953			-.0040				
.965	-.0540						

MACH (2) = .904 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3190	-.2450	.1590	.3950	.2890	.2620	-.0120
.050				.2200	.2490	.2420	.2260
.081			.3030				
.086		.0750					
.094	.0630						
.150				.1820	.1760	.1740	.1200
.177			.1820				
.229	.0930						
.246		.2250					
.250				.0760	.1300	.1290	.0570
.362	.1890						
.400				.0760	.0430		-.1100
.402			.0360				
.497	.1150						

AMES 11-7Ø7 OA12 OEA LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .9Ø4 BETA (3) = .ØØØ

Y/BW	.299	.364	.427	.534	.675	.78Ø	.887
X/CW							
.59Ø				-.1Ø2Ø	-.178Ø		
.565			-.Ø88Ø				
.6ØØ							-.3210
.65Ø						-.3Ø4Ø	
.7ØØ	-.Ø52Ø				-.4210		
.725				-.365Ø			
.75Ø						-.532Ø	-.4Ø1Ø
.76Ø			-.358Ø				
.775				-.431Ø	-.514Ø		
.8Ø8			-.44ØØ				
.834	-.283Ø						
.85Ø				-.562Ø	-.57ØØ	-.6Ø9Ø	
.857			-.519Ø				
.865	-.36ØØ						
.9ØØ	-.363Ø			-.261Ø			-.622Ø
.9Ø5			-.254Ø				
.95Ø				-.Ø24Ø	-.Ø78Ø	-.16ØØ	
.953			-.Ø16Ø				
.965	-.Ø83Ø						

MACH (2) = .9Ø2 BETA (4) = 4.22Ø

Y/BW	.299	.364	.427	.534	.675	.78Ø	.887
X/CW							
.ØØØ	-.3Ø3Ø	-.2Ø7Ø	.Ø1ØØ	.249Ø	.131Ø	.1Ø4Ø	-.197Ø
.Ø5Ø				.235Ø	.238Ø	.225Ø	.254Ø
.Ø81			.3Ø7Ø				
.Ø86		.Ø28Ø					
.Ø94	.Ø41Ø						
.15Ø				.175Ø	.164Ø	.157Ø	.Ø9ØØ
.177			.159Ø				
.229	.Ø7ØØ						
.246		.2Ø5Ø					
.25Ø				.Ø67Ø	.116Ø	.11ØØ	.Ø29Ø
.362	.161Ø						
.4ØØ				.Ø73Ø	.Ø31Ø		-.134Ø
.4Ø2			.Ø59Ø				
.497	.118Ø						
.55Ø				-.Ø94Ø	-.173Ø		
.565			-.Ø76Ø				
.6ØØ							-.353Ø
.65Ø						-.3Ø9Ø	
.7ØØ	-.Ø44Ø				-.412Ø		
.725				-.36ØØ			
.75Ø						-.544Ø	-.495Ø
.76Ø			-.35ØØ				
.775				-.42ØØ	-.5Ø9Ø		

AMES 11-FT OA12 O2A LOWER WING (RBPL35)

SECTION (3)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .908 BETA (4) = 4.220

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.4290				
.834	-.2750						
.850				-.5570	-.5650	-.6180	
.857			-.5000				
.865	-.3370						
.900	-.3770			-.3830			-.6360
.905			-.3230				
.950				-.0740	-.1660	-.3110	
.953			-.1650				
.965	-.1290						

MACH (2) = .820 BETA (5) = 8.370

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.040	-.3230	-.1620	-.0880	.0920	-.0320	-.0740	-.3850
.050				.2350	.2580	.2100	.1770
.081			.2940				
.088		-.0230					
.094	.0050						
.150				.1790	.1650	.1540	.0730
.177			.1920				
.229	.0400						
.246		.1730					
.250				.0760	.1050	.0820	.0000
.362	.1250						
.400				.0790	.0245		-.1630
.402			.0430				
.497	.1130						
.550				-.0820	-.1720		
.565			-.0620				
.600							-.3810
.650						-.3120	
.700	-.0290				-.4140		
.725				-.3470			
.750						-.5460	-.5180
.760			-.3460				
.775				-.4130	-.5100		
.808			-.4130				
.834	-.2540						
.850				-.5420	-.5520	-.6360	
.857			-.4480				
.865	-.3110						
.900	-.3200			-.3460			-.6550
.905			-.3390				
.950				-.0890	-.1240	-.2750	
.953			-.0980				

AMES 11-707 OA12 OBA LOWER WING (RBPL35)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (5) = 0.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1690						

AMES 11-707 OA12 OEA LOWER WING (RBPL36) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5360 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (3)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5370	-.7190	-.3670	-.2830	-.5140	-.6990	-1.2870
.050				.4670	.5160	.5200	.4990
.081			.4380				
.086		.1490					
.094	.1480						
.150				.3440	.3630	.3770	.3310
.177			.3040				
.229	.1810						
.246		.3130					
.250				.2210	.2730	.2830	.2390
.362	.2600						
.400				.1580	.1510		.0840
.402			.1180				
.497	.1720						
.550				-.0120	-.0250		
.565			-.0170				
.600							-.0780
.650						-.0810	
.700	-.0020				-.1740		
.725				-.1540			
.750						-.2310	-.1850
.760			-.1770				
.775				-.1680	-.2070		
.808			-.1540				
.834	-.1360						
.850				-.1850	-.1780	-.1960	
.857			-.2060				
.865	-.0910						
.900	-.1030			-.1360			-.1750
.905			-.1070				
.950				-.0280	-.0560	-.0750	
.953			-.0260				
.965	-.0670						

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4570	-.5540	-.5810	-.5180	-.7340	-.9230	-1.5270
.050				.4470	.4760	.4700	.4410
.081			.4200				
.086		.0660					
.094	.1040						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 OEA LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3240	.3420	.3450	.2870
.177			.3020				
.229	.1370						
.246		.2840					
.250				.2070	.2490	.2550	.1970
.362	.2310						
.400				.1520	.1370		.0440
.402			.1220				
.497	.1740						
.550				-.0130	-.0410		
.565			-.0100				
.600							-.1060
.650						-.1010	
.700	.0080				-.1900		
.725				-.1600			
.750						-.2460	-.2040
.760			-.1760				
.775				-.1730	-.2220		
.808			-.1520				
.834	-.1280						
.850				-.1950	-.1960	-.2100	
.857			-.2030				
.865	-.0900						
.900	-.1140			-.1420			-.1920
.905			-.1240				
.950				-.0340	-.0700	-.0860	
.953			-.0410				
.965	-.0880						

MACH (1) = .999 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5090	-.4770	-.7610	-.3010	-.9930	-1.2390	-1.8930
.050				.4270	.4630	.4360	.3930
.081			.3980				
.086		-.0040					
.094	.0570						
.150				.3160	.3340	.3350	.2690
.177			.3010				
.229	.1030						
.246		.2550					
.250				.2070	.2470	.2370	.1770
.362	.2080						
.400				.1600	.1440		.0350
.402			.1310				
.497	.1870						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1010	-.0310		
.565			.0110				
.600							-.1140
.650						-.0990	
.700	.0330				-.1970		
.725				-.1490			
.750						-.2480	-.2630
.760			-.1550				
.775				-.1710	-.2130		
.808			-.1360				
.834	-.1080						
.850				-.1920	-.1880	-.2040	
.857			-.2110				
.865	-.0910						
.900	-.1120			-.1440			-.1970
.905			-.1310				
.950				-.1070	-.0730	-.0840	
.953			-.0560				
.965	-.0930						

MACH (1) = .801 BETA (4) = 4.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5770	-.4340	-.7950	-.9820	-1.1750	-1.4440	-2.0610
.050				.3810	.4090	.3700	.3130
.081			.3520				
.086		-.0730					
.094	-.0050						
.150				.2870	.2980	.2930	.2200
.177			.2800				
.229	.0540						
.246		.2090					
.250				.1880	.2150	.2010	.1290
.362	.1600						
.400				.1470	.1190		-.0670
.402			.1280				
.497	.1680						
.550				-.0030	-.0460		
.565			.0180				
.600							-.1400
.650						-.1070	
.700	.0360				-.1940		
.725				-.1490			
.750						-.2470	-.2140
.760			-.1520				
.775				-.1650	-.2230		

AMES 11-FT OA12 OBA LOWER WING (RBFL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1320				
.834	-.1090						
.850				-.1900	-.1940	-.2040	
.857			-.2210				
.865	-.0980						
.900	-.1170			-.1430			-.1900
.905			-.1390				
.950				-.0450	-.0720	-.0870	
.953			-.0680				
.965	-.1070						

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6490	-.4270	-.8410	-1.2440	-1.4230	-1.7480	-2.2610
.050				.3510	.3540	.3040	.2380
.081			.3040				
.086		-.1490					
.094	-.0680						
.150				.2630	.2640	.2570	.1700
.177			.2590				
.229	.0010						
.246		.1600					
.250				.1670	.1940	.1710	.0880
.362	.1100						
.400				.1410	.1050		-.0360
.402			.1240				
.497	.1470						
.550				-.0010	-.0480		
.565			.0200				
.600							-.1590
.650						-.1130	
.700	.0380				-.1930		
.725				-.1450			
.750						-.2470	-.2170
.760			-.1440				
.775				-.1800	-.2180		
.808			-.1270				
.834	-.1070						
.850				-.1930	-.1960	-.2070	
.857			-.2210				
.865	-.1080						
.900	-.1240			-.1550			-.1880
.905			-.1420				
.950				-.0590	-.0840	-.1010	
.953			-.0740				

AMES 11-707 OA12 OA LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.965	-.1210						

MACH (2) = .903 BETA (1) = -8.170

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.4110	-.4590	.0010	.3040	.2120	.1560	-.1700
.050				.5080	.5410	.5250	.5020
.081			.5240				
.086		.2080					
.094	.1810						
.150				.4030	.4100	.4040	.3510
.177			.3810				
.229	.2250						
.246		.3990					
.255				.2740	.3230	.3210	.2630
.362	.3460						
.410				.2180	.2070		.0890
.412			.1750				
.497	.2450						
.550				.0120	-.0290		
.565			.0120				
.600							-.1370
.650						-.1480	
.700	.0300				-.2890		
.725				-.2460			
.750						-.3670	-.3180
.760			-.2670				
.775				-.3620	-.3930		
.808			-.3480				
.834	-.2210						
.850				-.5010	-.4760	-.4900	
.857			-.4540				
.865	-.2380						
.900	-.2910			-.5750			-.4870
.905			-.4860				
.950				-.4060	-.6270	-.5760	
.953			-.1430				
.965	-.1360						

MACH (2) = .903 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.4340	-.3820	-.1910	.1240	.0500	-.0190	-.3770
.050				.5030	.5160	.4940	.4600
.081			.5070				
.086		.1390					
.094	.1410						

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AMES 11-7U7 OA12 O2A LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .963 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3890	.3900	.3600	.3150
.177			.3790				
.229	.1940						
.246		.3750					
.250				.2680	.3090	.2960	.2250
.362	.3220						
.400				.2190	.1960		.0550
.402			.1830				
.497	.2620						
.550				.0220	-.0340		
.565			.0280				
.600							-.1720
.650						-.1620	
.700	.0530				-.2870		
.725				-.2390			
.750						-.3850	-.3460
.760			-.2580				
.775				-.3480	-.4050		
.808			-.3360				
.834	-.2030						
.850				-.5060	-.4810	-.5110	
.857			-.4110				
.865	-.2220						
.900	-.2850			-.5680			-.5170
.905			-.4710				
.950				-.5040	-.6380	-.6030	
.953			-.2830				
.965	-.2740						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4750	-.3320	-.3350	-.0550	-.1270	-.2160	-.5840
.050				.4740	.4950	.4480	.4100
.081			.4760				
.086		.0640					
.094	.0970						
.150				.3700	.3710	.3600	.2850
.177			.3660				
.229	.1570						
.246		.3290					
.250				.2520	.2870	.2650	.1880
.362	.2800						
.400				.2110	.1770		.0160
.402			.1830				
.497	.2570						

AMES 11-707 OA12 OEA LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .999 BETA (3) = .000

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				.0230	-.0370		
.565			.0400				
.600							-.2100
.650						-.1780	
.700	.0680				-.2830		
.725				-.2380			
.750						-.4170	-.3670
.760			-.2580				
.775				-.3400	-.4230		
.808			-.3240				
.834	-.1900						
.850				-.5030	-.4930	-.5290	
.857			-.3840				
.865	-.2150						
.900	-.2820			-.5430			-.5440
.905			-.4690				
.950				-.5470	-.6340	-.6260	
.953			-.4550				
.965	-.4380						

MACH (2) = .897 BETA (4) = 4.200

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.5520	-.3260	-.4310	-.2590	-.3120	-.4290	-.7330
.050				.4410	.4500	.3990	.3460
.081			.4340				
.086		-.0090					
.094	.0380						
.150				.3450	.3410	.3240	.2350
.177			.3520				
.229	.1030						
.245		.2800					
.250				.2380	.2600	.2310	.1450
.362	.2270						
.400				.2020	.1590		-.0220
.402			.1750				
.497	.2420						
.550				.0240	-.0470		
.565			.0450				
.600							-.2490
.650						-.1900	
.700	.0730				-.2910		
.725				-.2360			
.750						-.4420	-.4020
.760			-.2560				
.775				-.3250	-.4430		

AMES 11-7U7 OA12 OA LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.200

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2880				
.834	-.1830						
.850				-.4610	-.4980	-.5470	
.857			-.3710				
.865	-.2120						
.900	-.2810			-.5340			-.5960
.905			-.4820				
.950				-.5530	-.6240	-.6360	
.953			-.5180				
.965	-.4390						

MACH (2) = .902 BETA (5) = 8.330

Y/BW / X/CW	.299	.364	.427	.534	.675	.780	.887
.000	-.6180	-.3510	-.5400	-.4730	-.5160	-.6550	-.8660
.050				.3950	.3890	.3440	.2830
.081			.3690				
.086		-.0880					
.094	-.0320						
.150				.3180	.3070	.2870	.1900
.177			.3320				
.229	.0470						
.246		.2220					
.250				.2190	.2300	.2000	.1000
.362	.1850						
.400				.1900	.1390		-.0530
.402			.1880				
.497	.2180						
.550				.0210	-.0590		
.565			.0500				
.600							-.2770
.650						-.1950	
.700	.0750				-.2890		
.725				-.2310			
.750						-.4570	-.4350
.760			-.2550				
.775				-.2980	-.4350		
.808			-.2520				
.834	-.1720						
.850				-.4560	-.4790	-.5370	
.857			-.3680				
.865	-.2380						
.900	-.2730			-.5310			-.6010
.905			-.4400				
.950				-.4900	-.6000	-.6290	
.953			-.4470				

AMES 11-7U7 CA12 C2A LOWER WING (RBPL36)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .942 BETA (5) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.3060						

AMES 11-707 OA12 OPA LOWER WING (RBPL57) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 30.8490 INCHES ZMRP = .0000 INCHES
SCALE = .1500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.050

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	-.5550	-.6050	-1.1550	-1.1280	-1.1100	-1.1150	-1.1560
.050				.6280	.6540	.6280	.5810
.081			.5630				
.086		.1330					
.094	.1970						
.150				.4910	.5040	.5020	.4270
.177			.4580				
.229	.2490						
.246		.4180					
.250				.3600	.3980	.3980	.3240
.362	.3610						
.400				.2680	.2800		.1580
.402			.2340				
.497	.3010						
.550				.0780	.0520		
.563			.0740				
.600							-.0410
.650						-.0520	
.700	.0930				-.1590		
.725				-.1220			
.750						-.2680	-.2130
.760			-.1410				
.775				-.1710	-.2390		
.800			-.1190				
.834	-.0830						
.850				-.2250	-.2680	-.3220	
.857			-.0820				
.865	-.0840						
.900	-.0880			-.2080			-.3480
.905			-.1470				
.950				-.1150	-.2570	-.3690	
.953			-.0970				
.965	-.0790						

MACH (1) = .900 BETA (2) = -3.980

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	-.7000	-.5980	-1.2550	-1.3560	-1.2820	-1.2640	-1.1220
.050				.5C80	.5950	.5680	.4980
.081			.3160				
.086		.0400					
.094	.1250						

AMES 11-707 OA12 OPA LOWER WING (RBPL37)

SECTION : 1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .398 BETA (2) = -3.990

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.4530	.4600	.4570	.3750
.177			.4370				
.229	.2000						
.246		.3670					
.250				.3320	.3650	.3490	.2680
.362	.3220						
.400				.2910	.2280		.1080
.402			.2290				
.497	.2950						
.350				.0690	.0340		
.565			.0770				
.600							-.0660
.650						-.0790	
.700	.1000				-.1770		
.725				-.1320			
.750						-.2930	-.2520
.760			-.1370				
.775				-.1810	-.2570		
.808			-.1250				
.834	-.0770						
.850				-.2440	-.2850	-.3440	
.857			-.2230				
.865	-.0850						
.900	-.0980			-.2250			-.3080
.906			-.1630				
.950				-.1500	-.2830	-.4020	
.953			-.1210				
.965	-.0970						

MACH (1) = .598 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.040	-.8100	-.6200	-1.3310	-1.6030	-1.4700	-1.2910	-1.1090
.050				.5090	.5310	.4970	.4140
.081			.4530				
.086		-.0350					
.094	.0440						
.150				.4200	.4230	.4100	.3130
.177			.4050				
.229	.1330						
.246		.3070					
.250				.3060	.3250	.3050	.2150
.362	.2730						
.400				.2370	.2000		.0580
.402			.2170				
.497	.2760						

AMES 11-707 CA12 CBA LOWER WING (RBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				.0600	.0140		
.565			.0790				
.600							-.1270
.650						-.1030	
.700	.1020				-.1940		
.725				-.1400			
.750						-.3070	-.2800
.760			-.1420				
.775				-.1680	-.2650		
.818			-.1280				
.834	-.0800						
.850				-.2540	-.2960	-.3620	
.857			-.2280				
.865	-.0880						
.900	-.1090			-.2410			-.4190
.905			-.1780				
.950				-.1680	-.2880	-.4200	
.953			-.1240				
.965	-.1200						

MACH (1) = .598 BETA (4) = 4.180

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.9270	-.6660	-1.4350	-1.9100	-1.6890	-1.3700	-.9760
.050				.4550	.4650	.4210	.3300
.081			.3960				
.086		-.1520					
.094	-.0400						
.150				.3900	.3880	.3670	.2570
.177			.3790				
.229	.0710						
.246		.2440					
.250				.2930	.2980	.2700	.1670
.362	.2110						
.400				.2300	.1820		.0150
.402			.2120				
.497	.2390						
.550				.0840	.0050		
.565			.0850				
.600							-.1570
.650						-.1110	
.700	.1090				-.1900		
.725				-.1310			
.750						-.3070	-.2920
.760			-.1370				
.775				-.1790	-.2620		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1220				
.834	-.0670						
.850				-.2490	-.2880	-.3910	
.857			-.2220				
.865	-.0670						
.900	-.1080			-.2330			-.4100
.905			-.1680				
.950				-.1690	-.2820	-.3930	
.953			-.1270				
.965	-.1280						

MACH (1) = .597 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0170	-.6980	-1.4020	-2.1770	-1.7980	-1.6540	-.9590
.050				.3680	.3720	.3360	.2340
.081			.3240				
.088		-.2840					
.094	-.1380						
.150				.3420	.3360	.3210	.2050
.177			.3440				
.229	-.0160						
.246		.1700					
.250				.2610	.2650	.2310	.1200
.362	.1380						
.400				.2100	.1630		-.0140
.402			.1970				
.497	.2190						
.550				.0520	-.0100		
.565			.0890				
.600							-.1800
.650						-.1170	
.700	.1010				-.1990		
.725				-.1320			
.750						-.3090	-.3060
.760			-.1270				
.775				-.1740	-.2650		
.808			-.1120				
.834	-.0810						
.850				-.2490	-.2820	-.3430	
.857			-.2230				
.865	-.0660						
.900	-.1180			-.2390			-.4110
905			-.1830				
.950				-.1840	-.2700	-.3540	
.953			-.1350				

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AMES 11-7U7 OA12 CEA LOWER WING

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 0.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.1380						

MACH (2) = .899 BETA (1) = -0.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5490	-.4100	-.4130	-.0600	-.1130	-.2110	-.5580
.050				.6670	.6820	.8550	.6060
.081			.6410				
.086		.2280					
.094	.2340						
.150				.5370	.5450	.5290	.4610
.177			.5200				
.229	.3030						
.248		.4950					
.250				.4070	.4450	.4290	.3610
.362	.4460						
.400				.3280	.3170		.1870
.402			.2950				
.497	.3710						
.550				.1250	.0870		
.565			.1220				
.600							-.0430
.650						-.0430	
.700	.1340				-.1700		
.725				-.1370			
.750						-.2930	-.2440
.760			-.1910				
.775				-.2770	-.3160		
.808			-.2810				
.834	-.1370						
.850				-.3860	-.3690	-.4040	
.857			-.3710				
.863	-.1580						
.900	-.2180			-.4690			-.4080
.905			-.3940				
.950				-.4690	-.5290	-.4950	
.953			-.4220				
.965	-.3650						

MACH (2) = .897 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7950	-.4510	-.5820	-.2680	-.2840	-.4040	-.7240
.050				.6300	.6440	.5970	.5360
.081			.5990				
.086		.1410					
.094	.1720						

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AMES 11-7D7 OA12 OEA LOWER WING (FBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5130	.5150	.4960	.4160
.177			.5010				
.229	.2570						
.246		.4480					
.250				.3900	.4180	.3960	.3130
.362	.4040						
.400				.3210	.2970		.1410
.402			.2930				
.497	.3700						
.550				.1280	.0770		
.565			.1330				
.600							-.0900
.650						-.0640	
.700	.1550				-.1770		
.725				-.1380			
.750						-.3160	-.2780
.760			-.1810				
.775				-.2710	-.3340		
.808			-.2190				
.834	-.1150						
.850				-.3900	-.3830	-.4130	
.857			-.3350				
.865	-.1270						
.900	-.2140			-.4650			-.4370
.905			-.3920				
.950				-.4800	-.5470	-.5170	
.953			-.4320				
.965	-.4040						

MACH (2) = .900 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8560	-.4930	-.7330	-.4860	-.5060	-.6110	-.8490
.050				.5760	.5850	.5340	.4590
.081			.5500				
.086		.0490					
.094	.0980						
.150				.4820	.4770	.4530	.3570
.177			.4780				
.229	.1980						
.246		.3900					
.250				.3670	.3860	.3570	.2620
.362	.3460						
.400				.3070	.2760		.0980
.402			.2840				
.497	.3530						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LOWER WING (RBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1210	.0690		
.565			.1390				-.1320
.600						-.0690	
.650					-.1880		
.700	.1640			-.1370			
.725						-.3410	-.3070
.750			-.1740				
.760				-.2570	-.3400		
.775			-.1990				
.806							
.834	-.1050			-.3850	-.3920	-.4320	
.850			-.3080				
.857							-.4810
.865	-.1180			-.4600			
.900	-.2120		-.3900				
.905				-.4780	-.5460	-.5370	
.950			-.4450				
.953							
.965	-.4160						

MACH (2) = .90E BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0260	-.5400	-.7950	-.6890	-.7070	-.8120	-.9230
.050				.5220	.5210	.4600	.3780
.081			.4930				
.086		-.0450					
.094	.0190						
.150				.4440	.4310	.4090	.2980
.177			.4500				
.229	.1340						
.246		.3260					
.250				.3420	.3500	.3160	.2070
.362	.2870						
.400				.2960	.2500		.0510
.402			.2720				
.497	.3290						
.550				.1180	.0480		
.565			.1370				
.600							-.1770
.650						-.1020	
.700	.1610				-.1940		
.725				-.1360			
.750						-.3520	-.3370
.760			-.1700				
.775				-.2410	-.3130		

AMES 11-707 OA12 OEA LOWER WING (RBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .942 BETA (4) = 4.200

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.1650				
.834	-.0970						
.850				-.3780	-.3970	-.4440	
.857			-.2950				
.865	-.1130						
.900	-.2080			-.4990			-.5150
.905			-.3770				
.950				-.4690	-.5430	-.5450	
.953			-.4400				
.965	-.4080						

MACH (2) = .902 BETA (5) = 8.330

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-1.1280	-.5690	-.7940	-.8680	-.8520	-.9070	-.9050
.050				.4540	.4490	.3830	.2890
.081			.4280				
.086		-.1380					
.094	-.0620						
.150				.4050	.3910	.3610	.2420
.177			.4170				
.229	.0640						
.246		.2530					
.250				.3130	.3150	.2750	.1600
.362	.2060						
.400				.2800	.2230		.0140
.402			.2570				
.497	.2930						
.550				.1110	.0310		
.565			.1370				
.600							-.2130
.650						-.1170	
.700	.1570				-.2040		
.725				-.1340			
.750						-.3640	-.3610
.760			-.1530				
.775				-.2270	-.3210		
.808			-.1690				
.834	-.0920						
.850				-.3720	-.3970	-.4580	
.857			-.2840				
.865	-.1110						
.900	-.2000			-.4600			-.5470
.905			-.3650				
.950				-.4560	-.5340	-.5610	
.953			-.4440				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OBA LOWER WING (RBPL37)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .9[illegible]2 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3890						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL38) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53U0 INCHES
LREF = 39.849U INCHES YMRP = .UUU0 INCHES
BREF = 39.849U INCHES ZMRP = .UUU0 INCHES
SCALE = .03U0 SCALE

PARAMETRIC DATA

ALPHA = 20.UU0 RUDDER = .UU0
ELEVON = .UU0 RUDFLR = 40.UU0

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.UU0

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.1U0	-.0730	-.7770	-1.7980	-1.0U90	-1.5180	-1.4370	-1.1190
.150				.6090	.7190	.6760	.5850
.181			.6310				
.190		.1160					
.194	.2070						
.195				.5980	.6050	.5830	.4960
.177			.5730				
.229	.3130						
.248		.4890					
.250				.4730	.4940	.4790	.3990
.382	.4520						
.4U0				.3760	.3950		.2330
.402			.5440				
.457	.4140						
.550				.1770	.1450		
.565			.1810				
.6U0							.0810
.650						.0280	
.7U0	.1090				-.0630		
.725				-.0582			
.750						-.2030	-.1410
.760			-.0790				
.775				-.1210	-.1830		
.800			-.0480				
.834	-.0140						
.850				-.2120	-.2510	-.2940	
.857			-.1700				
.865	.0460						
.900	-.0490			-.2340			-.3080
.905			-.1380				
.950				-.2130	-.3320	-.3930	
.953			-.1130				
.965	-.0760						

MACH (1) = .598 BETA (2) = -3.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0610	-.8650	-1.9720	-2.0800	-1.6330	-1.4720	-1.1010
.050				.6290	.6330	.5870	.4860
.081			.5620				
.096		-.0140					
.094	.1120						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.960

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.5610	.5590	.5340	.4340
.177			.5410				
.229	.2390						
.246		.4210					
.250				.4480	.4630	.4360	.3400
.362	.3930						
.400				.3590	.3310		.1860
.402			.3350				
.497	.4020						
.550				.1730	.1310		
.565			.1810				
.600							-.0050
.650						.0080	
.700	.1970				-.0990		
.725				-.0520			
.750						-.2160	-.1730
.760			-.0730				
.775				-.1180	-.1950		
.800			-.0450				
.834	-.0040						
.850				-.2180	-.2830	-.3040	
.857			-.1670				
.865	[illegible]						
.900	-.[illegible]			-.2340			-.3340
.905			-.1420				
.950				-.2140	-.3630	-.4010	
.953			-.1120				
.965	-.0820						

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1940	-.9420	-2.0100	-2.3230	-1.5460	-1.3040	-1.1010
.050				.5510	.5520	.5020	.3830
.081			.4900				
.086		-.1330					
.094	.0180						
.150				.5140	.5130	.4860	.3700
.177			.5100				
.229	.1670						
.246		.3510					
.250				.4170	.4240	.3960	.2870
.362	.3300						
.400				.3420	.3040		.1380
.402			.3290				
.497	.3780						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 O2A LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1690	.1200		
.565			.1850				
.600						-.0080	-.0400
.650					-.1000		
.700	.2030			-.0510			
.725						-.2260	-.1940
.750							
.760			-.0620				
.775				-.1190	-.1970		
.808			-.0340				
.834	.0040						
.850				-.2090	-.2590	-.3020	
.857			-.1650				
.865	.0020						
.900	-.0490			-.2240			-.3540
.905			-.1290				
.950				-.1920	-.3500	-.4000	
.953			-.1020				
.965	-.0870						

MACH (1) = .597 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3170	-1.0170	-1.9840	-2.4820	-1.6430	-1.3520	-1.1520
.050				.4650	.4540	.4030	.2680
.081			.4090				
.086		-.2600					
.094	-.0970						
.150				.4730	.4600	.4270	.2950
.177			.4650				
.229	.0810						
.246		.2690					
.250				.3890	.3840	.3450	.2240
.362	.2550						
.400				.3240	.2760		.0840
.402			.3150				
.497	.3490						
.550				.1640	.1050		
.565			.1870				
.600						-.0220	-.0800
.650					-.1090		
.700	.2070			-.0450			
.725						-.2330	-.2180
.750							
.760			-.0530				
.775				-.1040	-.1960		

AMES 11-7ft OA12 OBA LOWER WING (RBPL38,

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0170				
.834	.0140						
.850				-.1990	-.2600	-.3120	
.857			-.1630				
.865	-.0410						
.900	-.0390			-.2030			-.3700
.905			-.1140				
.950				-.1670	-.3350	-.4100	
.953			-.0690				
.965	-.0710						

MACH (1) = .598 BETA (5) = 8.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4050	-1.0400	-1.9100	-2.7440	-1.6400	-1.4070	-1.1740
.050				.3750	.3560	.2980	.1380
.081			.3210				
.106		-.3830					
.094	-.2080						
.150				.4160	.4020	.3590	.2180
.177			.4090				
.229	-.0190						
.246		.1790					
.250				.3520	.3390	.2930	.1530
.362	.1690						
.400				.3070	.2430		.0290
.402			.2840				
.497	.2970						
.550				.1520	.0000		
.565			.1770				
.600							-.1270
.650						-.0520	
.700	.1890				-.1320		
.725				-.0510			
.750						-.2540	-.2490
.760			-.0580				
.775				-.1150	-.2070		
.808			-.0210				
.834	.0090						
.850				-.2000	-.2460	-.3220	
.857			-.1680				
.865	-.0150						
.900	-.0490			-.2140			-.3950
.905			-.1300				
.950				-.1840	-.3460	-.4110	
.953			-.0870				

AMES 11-7U7 OA12 OEA LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (5) = 8.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0840						

MACH (2) = .901 BETA (1) = -8.080

Y/BW	.289	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7570	-.5840	-.8980	-.4980	-.5130	-.6190	-.9010
.050				.7650	.7730	.7310	.6540
.081			.7200				
.086		.2340					
.094	.2700						
.150				.6520	.6560	.6380	.5500
.177			.6370				
.229	.3780						
.246		.5760					
.250				.5300	.5540	.5330	.4510
.362	.5310						
.410				.4420	.4270		.2840
.482			.4130				
.497	.4870						
.530				.2410	.2070		
.565			.2410				
.600							.0580
.650						.0710	
.700	.2510				-.0510		
.725				-.0220			
.750						-.1770	-.1410
.760			-.0820				
.775				-.1320	-.1750		
.818			-.0850				
.834	-.0210						
.850				-.2780	-.2790	-.3180	
.857			-.2010				
.865	-.0140						
.900	-.1130			-.3380			-.3170
.905			-.2690				
.950				-.3310	-.3970	-.3740	
.953			-.3060				
.965	-.2700						

MACH (2) = .899 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9400	-.7300	-1.0890	-.7020	-.7100	-.8220	-1.0040
.050				.7080	.7080	.6550	.5630
.081			.6650				
.086		.1270					
.094	.1850						

AMES 11-7ft OA12 02A LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.6180	.6150	.5900	.4890
.177			.6110				
.229	.3170						
.246		.5140					
.250				.5090	.5210	.4920	.3920
.362	.4770						
.410				.4300	.4030		.2330
.402			.4070				
.497	.4780						
.550				.2360	.1940		
.565			.2470				
.600							.0100
.650						.0480	
.700	.2660				-.0610		
.725				-.0210			
.750						-.2000	-.1820
.760			-.0720				
.775				-.1280	-.1870		
.808			-.0680				
.834	-.0020						
.850				-.2740	-.2850	-.3290	
.857			-.1870				
.865	-.0070						
.900	-.1120			-.3400			-.3390
.905			-.2690				
.950				-.3380	-.4080	-.3920	
.953			-.3150				
.965	-.2910						

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1080	-.8350	-1.0970	-.8860	-.8930	-.9890	-1.0160
.050				.6430	.6400	.5770	.4730
.081			.6010				
.086		.0120					
.094	.0880						
.150				.5810	.5710	.5420	.4310
.177			.5820				
.229	.2420						
.246		.4430					
.250				.4810	.4860	.4540	.3400
.362	.4100						
.400				.4140	.3810		.1910
.402			.4000				
.497	.4570						

AMES 11-707 OA12 02A LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .680

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2340	.1800		
.565			.2520				
.600							-.0290
.610						.0300	
.700	.2730				-.0690		
.725				-.0200			
.750						-.2170	-.2200
.760			-.0630				
.775				-.1240	-.1940		
.808			-.0510				
.834	.0090						
.850				-.2700	-.2980	-.3360	
.857			-.1790				
.865	-.0070						
.900	-.1080			-.3400			-.3780
.905			-.2650				
.950				-.3370	-.4150	-.4120	
.953			-.3230				
.965	-.3040						

MACH (2) = .900 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2390	-.8150	-1.0710	-1.0430	-1.0330	-.9640	-1.0140
.050				.5670	.5570	.4870	.3660
.081			.5270				
.086		-.0930					
.094	.0010						
.150				.5330	.5180	.4790	.3560
.177			.5420				
.229	.1620						
.246		.3660					
.250				.4480	.4420	.3980	.2760
.362	.3300						
.400				.3940	.3460		.1330
.402			.3770				
.497	.4180						
.550				.2220	.1570		
.565			.2460				
.600							-.0810
.650						.0010	
.700	.2660				-.0870		
.725				-.0260			
.750						-.2410	-.2590
.760			-.0610				
.775				-.1260	-.2120		

AMES 11-707 OA12 OEA LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0520				
.834	.0110						
.850				-.2780	-.3000	-.3560	
.857			-.1860				
.865	-.0190						
.900	-.1060			-.3490			-.4160
.905			-.2680				
.950				-.3440	-.4210	-.4390	
.953			-.3330				
.965	-.3120						

MACH (2) = .899 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3320	-.9430	-1.0440	-1.1770	-1.0240	-.9070	-.9640
.050				.4850	.4650	.3960	.2650
.081			.4530				
.086		-.1900					
.094	-.0850						
.150				.4810	.4640	.4180	.2860
.177			.4970				
.229	.0880						
.245		.2760					
.250				.4080	.3920	.3470	.2220
.362	.2460						
.400				.3650	.3040		.0870
.402			.3570				
.497	.3730						
.550				.2080	.1320		
.565			.2400				
.600							-.1190
.650						-.0190	
.700	.2530				-.0990		
.725				-.0300			
.750						-.2530	-.2900
.760			-.0590				
.775				-.1250	-.2200		
.808			-.0470				
.834	.0120						
.850				-.2850	-.3040	-.3670	
.857			-.2160				
.865	-.0480						
.900	-.1050			-.3470			-.4430
.905			-.2680				
.950				-.3380	-.4140	-.4430	
.953			-.3400				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL38)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3650						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA LOWER WING (RBPL39) (04 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5500 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (1) = -4.550

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1520	-.2370	.3450	.5620	.5260	.4820	.4480
.050				-.6710	-.7350	-.8180	-.8360
.081			-.0260				
.086		-.0970					
.094	-.1190						
.150				-.1540	-.2600	-.4880	-.7050
.177			-.1100				
.229	-.0550						
.248		.0780					
.250				-.1400	-.1570	-.1650	-.2530
.362	.0640						
.400				-.0520	-.0360		-.0390
.402			-.0080				
.497	-.0280						
.550				-.1100	-.1340		
.565			-.1120				
.604							-.1740
.650						-.2280	
.700	-.1020				-.3120		
.723				-.2950			
.750						-.3950	-.3450
.768			-.2940				
.775				-.3440	-.4020		
.808			-.3430				
.834	-.2190						
.850				-.4480	-.4320	-.4480	
.857			-.3220				
.865	-.2890						
.900	-.3040			-.5140			-.4670
.905			-.4570				
.950				-.5100	-.5350	-.5260	
.953			-.3420				
.965	-.4039						

MACH (1) = 1.100 ALPHA (2) = -3.520

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1540	-.1470	.3820	.6020	.5550	.5230	.4850
.050				-.5060	-.5690	-.6310	-.5040
.081			.0250				
.086		-.0610					
.094	-.0960						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (2) = -3.520

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.150				-.1060	-.2500	-.3040	-.3530
.177			-.0610				
.229	-.0390						
.246		.0980					
.250				-.0880	-.0870	-.1100	-.2390
.362	.1060						
.400				-.0080	-.0020		-.0280
.402			-.0540				
.497	-.0090						
.550				-.0810	-.1010		
.565			-.0800				
.600							-.1660
.650						-.2100	
.700	-.0730				-.2890		
.725				-.2680			
.750						-.3500	-.3570
.760			-.2710				
.775				-.3210	-.3890		
.808			-.3190				
.834	-.1910						
.850				-.4270	-.4190	-.4450	
.857			-.2680				
.865	-.2550						
.900	-.2790			-.4810			-.4590
.905			-.4370				
.950				-.5150	-.5330	-.5220	
.953			-.4010				
.965	-.3750						

MACH (1) = 1.100 ALPHA (3) = -1.490

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.000	-.1830	-.0430	.4190	.6440	.5850	.5930	.5600
.050				-.1870	-.3070	-.3490	-.2810
.081			.1110				
.086		-.0200					
.094	-.0710						
.150				.0000	.0240	.0110	-.0240
.177			.0240				
.229	-.0210						
.246		.1370					
.250				-.0110	.0170	.0850	.0810
.362	.1150						
.400				.0700	.0710		.0400
.402			-.0260				
.497	.0480						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.150 ALPHA (3) = -1.490

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.350				-.0180	-.0560		
.565			-.0250				
.600							-.1750
.650						-.1870	
.700	-.0140				-.2580		
.725				-.2220			
.750						-.3760	-.3430
.760			-.2270				
.775				-.2820	-.3580		
.800			-.2720				
.834	-.1440						
.850				-.3910	-.3980	-.4360	
.857			-.2210				
.865	-.2180						
.900	-.2360			-.4490			-.4600
.905			-.4010				
.950				-.4850	-.5170	-.5150	
.953			-.4080				
.965	-.3460						

MACH (2) = 1.000 ALPHA (4) = .540

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2610	-.0340	.4180	.6690	.6260	.6220	.5620
.050				.0150	-.0320	-.0470	.0420
.091			.2020				
.086		.0020					
.094	-.0620						
.150				.1780	.1310	.1460	.1340
.177			.1090				
.229	-.0020						
.246		.1790					
.250				.0620	.1370	.1610	.1420
.362	.1290						
.400				.1400	.1250		.0860
.402			.0430				
.497	.1040						
.550				.0310	-.0230		
.565			.0270				
.600							-.1540
.650						-.1530	
.700	.0560				-.2290		
.725				-.1840			
.750						-.3470	-.3210
.760			-.1840				
.775				-.2440	-.3260		

AMES 11-FT OA12 02A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.090 ALPHA (4) = .540

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.2300				
.834	-.0960						
.850				-.3520	-.3620	-.4080	
.857			-.1830				
.865	-.1730						
.900	-.2080			-.4140			-.4440
.905			-.3580				
.950				-.4560	-.4890	-.4900	
.953			-.3870				
.965	-.3280						

MACH (1) = 1.100 ALPHA (5) = 2.510

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3890	-.1390	.3830	.6520	.3870	.6030	.4730
.050				.17[illegible]	.2010	.2340	.2400
.081			.3060				
.086		.0130					
.094	-.0730						
.150				.2240	.2580	.2500	.2220
.177			.2040				
.229	.0110						
.245		.2290					
.250				.1320	.2190	.2430	.2040
.362	.1500						
.400				.2090	.1800		.1330
.402			.1310				
.497	.1690						
.550				.0820	.0150		
.565			.0750				
.600							-.1190
.655						-.1070	
.710	.1080				-.1850		
.725				-.1450			
.750						-.3090	-.2810
.760			-.1530				
.775				-.2080	-.2810		
.808			-.1980				
.834	-.0640						
.850				-.3240	-.3300	-.3730	
.857			-.1500				
.865	-.1350						
.900	-.1810			-.3890			-.4150
.905			-.3240				
.950				-.4250	-.4600	-.4540	
.953			-.3650				

AMES 11-7U7 OA12 02A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (5) = 2.510

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3030						

MACH (1) = 1.099 ALPHA (6) = 4.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5050	-.2850	.3370	.6110	.5310	.5380	.3460
.050				.2860	.3210	.3350	.3420
.081			.3830				
.086		.0130					
.094	-.0690						
.150				.2910	.3000	.3140	.2780
.177			.2750				
.229	.0180						
.246		.2640					
.250				.1950	.2770	.2920	.2590
.362	.1810						
.400				.2490	.2200		.1460
.412			.1900				
.497	.2260						
.550				.1140	.0380		
.565			.1120				
.600							-.0870
.650						-.0950	
.700	.1390				-.1560		
.725				-.1210			
.750						-.2440	-.2550
.760			-.1300				
.775				-.1820	-.2580		
.808			-.1750				
.834	-.0420						
.840				-.3020	-.3080	-.3520	
.852			-.1210				
.855	-.1090						
.900	-.1600			-.3710			-.3870
.905			-.3000				
.950				-.4020	-.4370	-.4330	
.953			-.3440				
.965	-.2850						

MACH (1) = 1.100 ALPHA (7) = 6.830

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5120	-.3980	.1740	.4800	.4090	.3860	.1280
.050				.4480	.4710	.4750	.4630
.081			.4890				
.086		.0000					
.094	-.0390						

AMES 11-FT OA12 OA LOWER WING (RBFL39)

SECTION (1:LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (7) = 6.630

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.3950	.4060	.4100	.3590
.177			.3850				
.229	.0110						
.246		.3490					
.250				.3010	.3660	.3660	.3010
.362	.2290						
.400				.3140	.2850		.1980
.402			.2630				
.497	.3000						
.550				.1650	.1030		
.565			.1700				
.600							-.0420
.650						-.0320	
.700	.1920				-.1070		
.725				-.0710			
.750						-.2240	-.2020
.760			-.0890				
.775				-.1270	-.2040		
.800			-.1250				
.834	.0080						
.850				-.2340	-.2580	-.3010	
.857			-.0840				
.865	-.0680						
.900	-.1140			-.3260			-.3440
.905			-.2510				
.950				-.3510	-.3920	-.3890	
.953			-.2990				
.965	-.2430						

MACH (1) = 1.150 ALPHA (8) = 8.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.5360	-.4780	.0120	.3410	.2850	.2390	-.0570
.150				.5490	.5620	.5530	.5290
.181			.5560				
.186		-.0340					
.194	-.0170						
.150				.4700	.4820	.4730	.4140
.177			.4560				
.229	.0240						
.246		.3940					
.250				.3720	.4180	.4160	.3450
.362	.2780						
.400				.3610	.3340		.2510
.402			.3130				
.497	.3580						

AMES 11-707 OA12 O2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (8) = 8.590

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.2090	.1500		
.565			.2160				
.600							-.0060
.650						.0170	
.700	.2340				-.0680		
.725				-.0280			
.750						-.1350	-.1500
.760			-.0400				
.775				-.0830	-.1600		
.808			-.0840				
.834	.0440						
.850				-.2180	-.2180	-.2610	
.857			-.0470				
.865	-.0300						
.900	-.0780			-.2960			-.3080
.905			-.2150				
.950				-.3190	-.3580	-.3510	
.953			-.2670				
.965	-.2150						

MACH (1) = 1.089 ALPHA (9) = 9.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5540	-.3150	-.1100	.2310	.1890	.1260	-.1870
.050				.6030	.6190	.5940	.5620
.081			.5890				
.086		-.0560					
.094	-.0050						
.150				.5120	.5300	.5150	.4450
.177			.5030				
.229	.0410						
.246		.4150					
.250				.4110	.4530	.4410	.3730
.382	.3070						
.400				.3930	.3620		.2760
.402			.3540				
.497	.3930						
.550				.2380	.1790		
.565			.2450				
.600							.0190
.650						.0530	
.700	.2820				-.0410		
.725				.0040			
.750						-.1560	-.1300
.760			-.0150				
.775				-.0580	-.1280		

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (9) = 9.970

Y/BW	.299	.364	.127	.534	.673	.780	.887
X/CW							
.808			-.0590				
.834	.0660						
.850				-.1980	-.1950	-.2270	
.857			-.0170				
.865	.0010						
.900	-.0540			-.2740			-.2760
.905			-.1910				
.950				-.2910	-.3370	-.3240	
.953			-.2430				
.965	-.1950						

MACH (1) = 1.101 ALPHA (10) = 14.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.6170	-.6140	-.5000	-.2250	-.1980	-.2840	-.5160
.050				.7300	.7390	.6930	.6290
.081			.6770				
.086		.0080					
.094	.0590						
.150				.6430	.6510	.6270	.5430
.177			.6310				
.229	.1500						
.246		.4870					
.250				.5450	.5680	.5450	.4610
.362	.3990						
.400				.4990	.4690		.3580
.402			.4710				
.497	.5010						
.550				.3400	.2880		
.565			.3500				
.600							.1190
.650						.1640	
.700	.3640				.0720		
.725				.1160			
.750						-.0570	-.0310
.760			.0730				
.775				.0230	-.0560		
.808			.0580				
.834	.1530						
.850				-.1230	-.1180	-.1550	
.857			.0600				
.865	.0850						
.900	.0600			-.1650			-.2020
.905			-.0900				
.950				-.1720	-.2500	-.2430	
.953			-.1550				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.101 ALPHA (1D) = 14.97D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.955	-.1220						

MACH (2) = 1.247 ALPHA (1) = -4.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1150	-.1600	.2450	.6050	.5780	.5570	.5250
.050				-.4550	-.5490	-.5720	-.5820
.081			-.0670				
.086		-.0920					
.094	-.1000						
.150				-.1290	-.4090	-.4510	-.4820
.177			-.0940				
.229	-.0570						
.246		.0050					
.250				-.1340	-.1320	-.2610	-.4130
.362	-.0150						
.400				-.0850	-.0590		-.0130
.402			-.1070				
.497	-.0210						
.550				-.0980	-.0940		
.565			-.1180				
.600							-.1280
.650						-.1730	
.700	-.1110				-.2400		
.725				-.2300			
.750						-.3090	-.2450
.750			-.2320				
.775				-.2640	-.3160		
.808			-.2690				
.834	-.1850						
.850				-.3430	-.3400	-.3500	
.857			-.1890				
.865	-.2210						
.900	-.2460			-.3800			-.3550
.905			-.3680				
.950				-.4150	-.4190	-.4120	
.953			-.3980				
.965	-.3230						

MACH (2) = 1.248 ALPHA (2) = -3.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1080	-.0990	.2870	.6240	.5920	.5820	.5470
.050				-.3860	-.4880	-.5070	-.5460
.081			-.0E00				
.086		-.0650					
.094	-.0860						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (2) = -3.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.1010	-.0930	-.3930	-.4280
.177			-.0610				
.229	-.0430						
.246		.0270					
.250				-.1010	-.0890	-.0720	-.3460
.362	-.0070						
.400				-.0560	-.0270		.0540
.402			-.0800				
.497	-.0070						
.550				-.0790	-.0790		
.565			-.0890				
.600							-.1130
.650						-.1500	
.700	-.0850				-.2190		
.725				-.2140			
.750						-.2880	-.2460
.760			-.2090				
.775				-.2470	-.2950		
.808			-.2470				
.834	-.1650						
.850				-.3280	-.3250	-.3390	
.857			-.1350				
.865	-.2080						
.900	-.2370			-.3680			-.3560
.908			-.3590				
.950				-.4030	-.4100	-.4080	
.953			-.3760				
.965	-.3110						

MACH (2) = 1.247 ALPHA (3) = -1.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.1070	-.0240	.3500	.6640	.6130	.6150	.5720
.150				-.1640	-.3350	-.3730	-.3520
.181			.0810				
.196		-.0200					
.194	-.0660						
.150				-.0190	.0440	-.0090	-.1280
.177			.0100				
.229	-.0190						
.246		.0730					
.250				-.0290	-.0250	.0110	.0480
.362	.0130						
.400				.0040	.0440		.0930
.402			-.0270				
.497	.0250						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7G7 OA12 OEA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 ALPHA (3) = -1.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.0250	-.0260		
.565			-.0970				-.0900
.600						-.1100	
.650					-.1780		
.700	-.0420			-.1690			
.725						-.2630	-.2370
.750							
.760			-.1710				
.775				-.2060	-.2580		
.808			-.2070				
.834	-.1220						
.870				-.2920	-.2930	-.3200	
.857			-.0980				
.865	-.1810						
.900	-.1970			-.3380			-.3540
.905			-.3290				
.950				-.3750	-.3850	-.3950	
.953			-.3500				
.965	-.2710						

MACH (2) = 1.868 ALPHA (4) = .580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1580	-.0440	.3560	.6780	.6120	.6310	.5780
.050				.0030	-.0820	-.0970	-.0430
.081			.1670				
.086		.0020					
.094	-.0470						
.150				.0660	.1320	.0940	.1000
.177			.0670				
.229	-.0040						
.246		.1130					
.250				.0530	.0630	.1150	.1390
.362	.0330						
400				.0700	.1130		.1310
.402			.0320				
.497	.0820						
.550				.0910	.0280		
.585			.0120				
.600							-.0630
.650						-.0790	
.700	.0070				-.1410		
.725				-.1200			
.750						-.2340	-.2180
.760			-.1270				
.775				-.1620	-.2270		

AMES 11-7U7 OA12 OBA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.245 ALPHA (4) = .520

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1680				
.834	-.0800						
.850				-.2550	-.2610	-.2950	
.857			-.0640				
.865	-.1450						
.900	-.1590			-.3030			-.3340
.905			-.2860				
.950				-.3470	-.3600	-.3710	
.953			-.3070				
.965	-.2330						

MACH (2) = 1.230 ALPHA (5) = 2.580

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2570	-.1920	.3240	.6650	.5870	.6160	.5290
.050				.1390	.1440	.1690	.1790
.081			.2390				
.086		.0110					
.094	-.0290						
.150				.1570	.2100	.1790	.2120
.177			.1600				
.229	.0030						
.246		.1460					
.250				.1300	.1400	.2090	.2210
.362	.0540						
.400				.1310	.1770		.1850
.402			.0820				
.497	.1020						
.550				.0880	.0740		
.565			.0690				
.600							-.0290
.650						-.0390	
.700	.0610				-.1030		
.725				-.0770			
.750						-.2000	-.1890
.760			-.0900				
.775				-.1250	-.1910		
.808			-.1280				
.834	-.0350						
.850				-.2290	-.2260	-.2650	
.857			-.0290				
.865	-.1020						
.900	-.1160			-.2810			-.3060
.905			-.2500				
.950				-.3220	-.3360	-.3390	
.9 3			-.2760				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7UT OA12 C2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.250 ALPHA (5) = 2.580

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.965	-.1970						

MACH (2) = 1.248 ALPHA (6) = 4.570

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.3780	-.3330	.2330	.6170	.5560	.5660	.4440
.050				.2550	.2920	.2960	.3320
.081			.3040				
.086		.0000					
.094	-.0090						
.150				.?580	.2620	.2780	.2980
.177			.2310				
.229	.0130						
.246		.1790					
.250				.1790	.2230	.3010	.2780
.362	.0670						
.400				.1920	.2380		.2080
.402			.1340				
.497	.1490						
.550				.1450	.1260		
.565			.1280				
.600							.1680
.650						-.0010	
.700	.1160				-.0590		
.725				-.0340			
.750						-.1320	-.1510
.760			-.0480				
.775				-.0880	-.1540		
.800			-.0910				
.834	.0120						
.850				-.1980	-.1930	-.2350	
.857			.0050				
.865	-.0580						
.900	-.0750			-.2550			-.2700
.905			-.2080				
.950				-.2930	-.3130	-.3130	
.953			-.2400				
.965	-.1580						

MACH (2) = 1.248 ALPHA (7) = 6.670

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.3910	-.3490	.0530	.5280	.4880	.4880	.3090
.050				.3690	.4130	.4170	.4590
.081			.3680				
.086		-.0130					
.094	.0140						

AMES 11-7ft OA12 O2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (7) = 6.670

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.150				.3510	.3440	.3890	.3810
.177			.3030				
.229	.0310						
.246		.1880					
.250				.2440	.3220	.3830	.3480
.362	.0800						
.400				.2790	.3040		.2630
.402			.1900				
.497	.1990						
.550				.2120	.1660		
.565			.1980				
.600							.0440
.650						.0570	
.700	.1820				-.0150		
.725				.0100			
.750						-.1270	-.1060
.760			-.0400				
.775				-.0470	-.1120		
.808			-.0480				
.834	.0880						
.850				-.1590	-.1570	-.1930	
.857			.0400				
.865	-.0070						
.900	-.0300			-.2190			-.2370
.905			-.1560				
.950				-.2570	-.2800	-.2770	
.953			-.1910				
.965	-.1220						

MACH (2) = 1.249 ALPHA (8) = 8.680

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.040	-.3920	-.3780	-.1670	.4190	.3940	.3860	.1670
.050				.4700	.5070	.5290	.5470
.061			.4130				
.066		-.0170					
.094	.0320						
.150				.4150	.4290	.4780	.4510
.177			.3700				
.229	.0540						
.246		.1890					
.250				.3090	.4230	.4470	.4010
.362	.1030						
.400				.3730	.3620		.3070
.402			.2590				
.497	.2450						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPL39)

AMES 11-707 OA12 OZA LOWER WING

DEPENDENT VARIABLE CP

SECTION (1)LOWER WING

MACH (2) = 1.249 ALPHA (8) = 8.680

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				.2590	.2090		
.565			.2430				.0880
.600						.0980	
.650					.0220		
.700	.2900			.0480			
.725						-.0820	-.0730
.750			.0320				
.760				-.0080	-.0710		
.775			.0000				
.808							
.834	.1150			-.1220	-.1220	-.1570	
.850			.0860				
.857							
.865	.0420			-.1840			-.2080
.900	.0100		-.1150				
.905				-.2180	-.2430	-.2410	
.950			-.1500				
.953							
.965	-.0880						

MACH (2) = 1.248 ALPHA (8) = 10.090

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.3700	-.2950	.3110	.3150	.2950	.0540
.050				.5320	.5730	.5890	.5950
.081			.4530				
.086		-.0060					
.094	.0430			.4630	.4940	.5280	.4920
.150			.4190				
.177							
.229	.0740						
.246		.2070		.3880	.4650	.4880	.4330
.250							
.362	.1240			.4080	.4040		.3430
.400			.3280				
.402							
.497	.2850			.2920	.2430		
.550			.2790				
.565							.1140
.600						.1260	
.650					.0550		
.700	.2850			.0810			
.725						-.0480	-.0430
.750			.0700				
.760				.0280	-.0360		
.775							

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 O2A LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.240 ALPHA (9) = 10.090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0410				
.834	.1440						
.850				-.0690	-.0910	-.1280	
.857			.1050				
.865	.0790						
.900	.0430			-.1540			-.1730
.905			-.0800				
.950				-.1860	-.2110	-.2120	
.953			-.1310				
.965	-.0720						

MACH (2) = 1.244 ALPHA (10) = 14.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4730	-.4970	-.5720	-.0070	.0090	-.0830	-.2700
.050				.6940	.7380	.7180	.5790
.081			.5940				
.086		.0190					
.094	.1090						
.150				.6250	.6610	.6600	.5970
.177			.5840				
.229	.1490						
.246		.2620					
.250				.5410	.6000	.5940	.5240
.362	.2130						
.400				.5330	.5190		.4270
.402			.4830				
.497	.4550						
.550				.4000	.3520		
.565			.4010				
.640							.2040
.650						.2450	
.700	.4040				.1450		
.725				.1880			
.750						.0470	.0610
.760			.1630				
.775				.1250	.0680		
.808			.1470				
.834	.2320						
.850				-.0100	.0000	-.0340	
.857			.1640				
.865	.1550						
.900	.1270			-.0800			-.0810
.905			.0010				
.950				-.0870	-.1330	-.1240	
.953			-.0480				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.244 ALPHA (:D) = 14.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	.0420						

MACH (3) = 1.398 ALPHA (1) = -4.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1050	-.1310	.2170	.6380	.5130	.6060	.5680
.050				-.3660	-.4350	-.4310	-.4260
.081			-.0940				
.086		-.0740					
.094	-.0820						
.150				-.1240	-.3230	-.3260	-.3480
.177			-.0680				
.229	-.0470						
.246		-.0080					
.250				-.1190	-.1940	-.2750	-.2920
.362	-.0870						
.400				-.0680	-.0510		-.2150
.402			-.1020				
.497	-.0540						
.550				-.0660	-.0790		
.565			-.1070				
.600							-.1440
.650						-.1490	
.700	-.0980				-.1840		
.725				-.1930			
.750						-.2480	-.2120
.760			-.1830				
.775				-.2190	-.2800		
.808			-.2150				
.834	-.1480						
.850				-.2780	-.2880	-.2860	
.857			-.1490				
.865	-.1740						
.900	-.1960			-.3120			-.2940
.905			-.3010				
.950				-.3450	-.3500	-.3390	
.953			-.3190				
.965	-.2630						

MACH (3) = 1.386 ALPHA (2) = -3.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0870	-.0730	.2730	.6600	.6210	.6230	.5850
.050				-.3060	-.3940	-.3980	-.4010
.081			-.0520				
.086		-.0480					
.094	-.0690						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.395 ALPHA (2) = -3.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0920	-.2700	-.2840	-.3110
.177			-.0530				
.229	-.0340						
.246		.0180					
.250				-.0930	-.0780	-.2190	-.2540
.362	-.0150						
.410				-.0620	-.0260		-.0990
.412			-.0790				
.497	-.0380						
.550				-.0640	-.0580		
.565			-.0870				
.610							-.1050
.650						-.1290	
.700	-.0820				-.1740		
.725				-.1790			
.750						-.2390	-.1990
.760			-.1710				
.775				-.2050	-.2470		
.808			-.2010				
.834	-.1300						
.850				-.2670	-.2750	-.2780	
.857			-.1820				
.865	-.1660						
.900	-.1870			-.3030			-.2870
.915			-.2920				
.950				-.3340	-.3440	-.3390	
.953			-.3140				
.965	-.2430						

MACH (3) = 1.398 ALPHA (3) = -1.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0760	-.0120	.3330	.6890	.6330	.6430	.5960
.050				-.1510	-.2860	-.2890	-.3300
.081			.0390				
.086		-.0140					
.094	-.0440						
.150				-.0160	.0260	-.1470	-.2000
.177			.0150				
.229	-.0130						
.246		.0620					
.250				-.0290	-.0250	.0160	.0250
.362	.0010						
.410				-.0050	.0400		.0930
.412			-.0340				
.497	-.0090						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (3) = -1.43D

Y/BW	.299	.364	.427	.534	.673	.78D	.887
X/CW							
.55D				-.D18D	-.D06D		
.565			-.D45D				
.6DD							-.D47D
.65D						-.D72D	
.7DD	-.D3DD				-.135D		
.725				-.141D			
.75D						-.2D2D	-.178D
.76D			-.137D				
.775				-.172D	-.211D		
.8D8			-.168D				
.834	-.D86D						
.85D				-.239D	-.242D	-.249D	
.857			-.136D				
.865	-.15DD						
.9DD	-.156D			-.275D			-.278D
.9D5			-.263D				
.95D				-.3D4D	-.314D	-.319D	
.953			-.286D				
.965	-.214D						

MACH (3) = 1.387 ALPHA (4) = .52D

Y/BW	.299	.364	.427	.534	.673	.78D	.887
X/CW							
.DDD	-.1D7D	-.D41D	.346D	.699D	.632D	.653D	.586D
.D5D				.D45D	-.112D	-.137D	-.197D
.D81			.123D				
.D86		.DD7D					
.D94	-.D24D						
.15D				.D52D	.119D	.D99D	.111D
.177			.D8DD				
.229	.DD2D						
.246		.D99D					
.25D				.D36D	.D45D	.D88D	.116D
.362	.D21D						
.4DD				.D48D	.1D2D		.143D
.4D2			.D17D				
.497	.D24D						
.55D				.D29D	.D45D		
.565			-.DD4D				
.6DD							-.D18D
.65D						-.D32D	
.7DD	-.D14D				-.1DDD		
.725				-.1D3D			
.75D						-.172D	-.156D
.76D			-.111D				
.775				-.137D	-.18DD		

AMES 11-707 OA12 OA LOWER WING (RBPL39)

SECTION / 1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 ALPHA (4) = .520

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1390				
.834	-.0690						
.850				-.2130	-.2140	-.2280	
.857			-.1080				
.865	-.1250						
.900	-.1280			-.2510			-.2650
.905			-.2320				
.950				-.2770	-.2950	-.3040	
.953			-.2590				
.965	-.1890						

MACH (3) = 1.398 ALPHA (5) = 2.600

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1670	-.1390	.3060	.6840	.6130	.6430	.5630
.050				.1330	.1100	.1270	.1490
.081			.1950				
.086		.0100					
.094	-.0040						
.150				.1390	.2000	.1630	.1860
.177			.1460				
.229	.0140						
.246		.1230					
.250				.1100	.1160	.1690	.2020
.362	.0330						
.400				.1080	.1710		.1990
.402			.0640				
.497	.0570						
.550				.0800	.1030		
.565			.0410				
.600							.0280
.650						.0090	
.700	.0200				-.0610		
.725				-.0610			
.750						-.1410	-.1220
.760			-.0800				
.775				-.0960	-.1460		
.800			-.1060				
.834	-.0330						
.850				-.1830	-.1830	-.1380	
.857			-.0390				
.865	-.0890						
.900	-.0960			-.2250			-.2390
.905			-.1930				
.950				-.2510	-.2740	-.2840	
.953			-.2230				

AMES 11-7D7 OA12 OBA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (5) = 2.600

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1580						

MACH (3) = 1.397 ALPHA (6) = 4.575

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2490	-.2840	.2050	.6500	.5920	.6160	.5010
.050				.2440	.2660	.2730	.2960
.081			.2620				
.086		.0080					
.094	.0090						
.150				.2120	.2510	.2520	.2820
.177			.2150				
.229	.0320						
.246		.1410					
.250				.1650	.1930	.2680	.2340
.362	.0490						
.400				.1650	.2340		.2370
.402			.1230				
.497	.0960						
.550				.1270	.1560		
.565			.0881				
.600							.0660
.650						.0440	
.700	.0630				-.0180		
.725				-.0210			
.750						-.0770	-.0840
.760			-.0410				
.775				-.0580	-.1110		
.808			-.0670				
.834	.0100						
.850				-.1540	-.1520	-.1700	
.857			-.0080				
.865	-.0440						
.900	-.0580			-.1970			- 2040
.905			-.1590				
.950				-.2260	-.2460	-.2530	
.953			-.1910				
.965	-.1180						

MACH (3) = 1.399 ALPHA (7) = 6.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3200	-.2950	.0520	.5810	.5480	.5610	.4210
.050				.3400	.3770	.3780	.4170
.081			.3170				
.088		.0140					
.094	.0370						

MACH (3) = .399 ALPHA (7) = 6.44D

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.150				.293D	.327D	.339D	.372D
.177			.278D				
.229	.060D						
.246		.180D					
.250				.234D	.271D	.355D	.355D
.362	.074D						
.400				.227D	.301D		.288D
.402			.180D				
.497	.134D						
.550				.183D	.254D		
.565			.143D				
.600							.310D
.650						.091D	
.700	.111D				.028D		
.725				.029D			
.750						-.068D	-.052D
.760			.002D				
.775				-.019D	-.073D		
.808			-.019D				
.834	.058D						
.850				-.118D	-.115D	-.136D	
.857			-.040D				
.865	-.007D						
.900	-.011D			-.164D			-.170D
.908			-.119D				
.950				-.195D	-.216D	-.219D	
.953			-.153D				
.965	-.078D						

MACH (3) = 1.398 ALPHA (8) = 8.71D

Y/BW	.299	364	.427	.534	.673	.781	.887
X/CW							
.000	-.311D	-.292D	-.141D	.472D	.466D	.467D	.314D
.050				.434D	.478D	.489D	.537D
.081			.352D				
.086		.024D					
.094	.063D						
.150				.375D	.407D	.428D	.458D
.177			.335D				
.229	.080D						
.246		.178D					
.250				.296D	.349D	.449D	.422D
.362	.108D						
.400				.292D	.369D		.339D
.402			.231D				
.497	.170D						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (8) = 8.71D

Y/BW	.299	.364	.427	.534	.673	.789	.887
X/CW							
.55D				.2400	.2450		
.565			.2400				
.6DD							.1380
.65D						.1370	
.7DD	.1610				.1610		
.725				.0720			
.75D						-.0310	-.0140
.76D			.0520				
.775				.0260	-.0310		
.8D8			.0320				
.834	.1090						
.85D				-.0750	-.0750	-.0980	
.857			.0310				
.865	.0330						
.9DD	.0350			-.1250			-.1370
.905			-.0780				
.95D				-.1610	-.1830	-.1840	
.953			-.1100				
.965	-.0350						

MACH (3) = 1.397 ALPHA (9) = 10.11D

Y/BW	.299	.364	.427	.534	.673	.789	.887
X/CW							
.D4D	-.3230	-.3240	-.2370	.4110	.4140	.4070	.2320
.05D				.4860	.5370	.5380	.5940
.D81			.3720				
.D86		.0240					
.D94	.0770						
.15D				.4330	.4520	.4980	.5010
.177			.3720				
.229	.0910						
.246		.1930					
.25D				.3380	.4060	.4890	.4800
.362	.1270						
.4DD				.3390	.3930		.3860
.402			.2630				
.497	.2010						
.55D				.2770	.2720		
.565			.2390				
.6DD							.1610
.65D						.1710	
.7DD	.1930				.0880		
.725				.1050			
.75D						-.0080	.0120
.76D			.0810				
.775				.0600	-.0010		

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 ALPHA (9) = 10.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0610				
.834	.1400						
.850				-.0450	-.0480	-.0730	
.857			.0600				
.865	.0760						
.900	.0640			-.1010			-.1160
.905			-.0440				
.950				-.1350	-.1560	-.1580	
.953			-.0820				
.965	-.0150						

MACH (3) = 1.394 ALPHA (10) = 15.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3720	-.3940	-.4210	.1690	.1990	.1410	-.0490
.050				.6290	.7010	.7020	.7120
.081			.4580				
.086		.0690					
.094	.1480						
.150				.5730	.6150	.6540	.6270
.177			.5090				
.229	.1710						
.246		.2740					
.250				.4700	.5770	.6050	.5610
.362	.2200						
.400				.5080	.5260		.4710
.402			.4000				
.497	.3320						
.550				.4190	.3830		
.565			.3960				
.600							.2580
.650						.2710	
.700	.3680				.1980		
.725				.2210			
.750						.1090	.1170
.760			.2010				
.775				.1740	.1130		
.808			.2000				
.834	.2780						
.850				.0550	.0610	.0290	
.857			.1390				
.865	.1790						
.900	.1840			-.0060			-.0180
.905			.0740				
.950				-.0310	-.0560	-.0560	
.953			.0230				

AMES 11-7U7 OA12 OBA LOWER WING (RBPL39)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.394 ALPHA (1U) = 15.U3U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	.U81U						

AMES 11-707 OA12 02A LOWER WING (RBPL40) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .500 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (1) = -0.080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0380	-.0010	.5240	.8040	.7670	.7660	.7250
.050				-.1700	-.3020	-.3650	-.1830
.081			.1010				
.086		-.0050					
.094	-.0560						
.150				.0450	.0710	.0580	.1490
.177			.0030				
.229	-.0170						
.246		.1340					
.250				.0130	.0650	.1680	.1530
.362	.1070						
.400				.1310	.1240		.0990
.402			.0330				
.497	-.0120						
.550				.0440	-.0250		
.565			-.0290				
.600							-.1180
.650						-.1570	
.700	.0080				-.2480		
.725				-.2270			
.750						-.3520	-.3050
.760			-.2440				
.775				-.2870	-.3540		
.808			-.2910				
.834	-.1940						
.850				-.3940	-.3920	-.4040	
.857			-.1520				
.865	-.1580						
.900	-.2800			-.4520			-.4280
.905			-.4560				
.950				-.3680	-.3770	-.4620	
.953			-.0960				
.965	-.1850						

MACH (1) = 1.101 BETA (2) = -0.000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1240	-.0190	.4740	.7370	.6920	.6890	.6440
.050				-.0690	-.1500	-.2060	-.0670
.081			.1520				
.086		-.0070					
.094	-.0590						

AMES 11-7ft OA12 OBA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.1240	.0980	.1090	.1340
.177			.0710				
.229	-.0170						
.246		.1570					
.250				.0430	.1030	.1590	.1450
.362	.1270						
.400				.1350	.1190		.0910
.402			.0290				
.497	.0680						
.550				.0170	-.0210		
.565			.0050				
.600							-.1320
.650						-.1980	
.700	.0380				-.2370		
.725				-.2050			
.750						-.3430	-.3140
.760			-.2130				
.775				-.2890	-.3370		
.800			-.2800				
.834	-.1420						
.850				-.3810	-.3750	-.4050	
.857			-.1780				
.865	-.1830						
.900	-.2350			-.4400			-.4300
.905			-.4030				
.950				-.4420	-.4020	-.4080	
.953			-.2190				
.965	-.3450						

MACH (1) = 2.100 BETA (3) = -1.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.1790	-.0250	.4550	.7020	.6540	.6470	.5980
.150				-.0300	-.0960	-.1530	-.0330
.181			.1760				
.186		-.0070					
.194	-.0800						
.150				.1440	.1040	.1240	.1290
.177			.0620				
.229	-.0100						
.246		.1710					
.250				.0390	.0840	.1820	.1390
.362	.1380						
.400				.1330	.1210		.0890
.402			.0180				
.497	.0810						

AMES 11-7b7 OA12 OBA LOWER WING (ABPL4b)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETA (3) = -1.960

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.0270	-.0190		
.565			.0150				
.800							-.1380
.650						-.1490	
.700	.0420				-.2300		
.725				-.1910			
.750						-.3490	-.3180
.760			-.1990				
.775				-.2550	-.3260		
.808			-.2440				
.834	-.1150						
.850				-.3630	-.3650	-.4020	
.857			-.1710				
.865	-.1770						
.900	-.2200			-.4220			-.4320
.905			-.3750				
.950				-.4010	-.4780	-.4840	
.953			-.2670				
.965	-.3380						

MACH (1) = 1.099 BETA (4) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.040	-.2590	-.0340	.4180	.6640	.6280	.6220	.5650
.050				.0490	-.0360	-.0680	.0320
.081			.1960				
.086		.0020					
.094	-.0890						
.150				.1680	.1270	.1410	.1330
.177			.1020				
.229	-.0020						
.246		.1770					
.250				.0590	.1240	.1820	.1380
.362	.1340						
.400				.1390	.1230		.0830
.402			.0220				
.497	.1010						
.550				.0270	-.0240		
.565			.0220				
.600							-.1530
.650						-.1540	
.700	.0480				-.2290		
.725				-.1860			
.750						-.3490	-.3240
.760			-.1870				
.775				-.2450	-.3280		

AMES 11-7U7 OA12 OEA LOWER WING (RBPL4U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.U89 BETA (4) = .U8U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.8U8			-.2325				
.834	-.U96U						
.85U				-.3575	-.3675	-.4135	
.857			-.1585				
.865	-.1615						
.9U4	-.2U75			-.4165			-.4435
.9U5			-.3595				
.95U				-.4575	-.4915	-.4875	
.953			-.3895				
.965	-.3295						

MACH (1) = 1.U89 BETA (5) = 2.15U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.3565	-.U55U	.4U4U	.6475	.9875	.9765	.5115
.U5U				.U615	.U225	-.U135	.U545
.U81			.2355				
.U86		.UU4U					
.U94	-.U675						
.15U				.1795	.1255	.1375	.1235
.177			.1455				
.229	.U42U						
.246		.187U					
.25U				.U595	.1145	.1485	.1235
.362	.14U4						
.4U4				.1315	.1135		.U725
.4U2			.U42U				
.497	.1365						
.55U				.U245	-.U345		
.565			.U235				
.6UU							-.1675
.65U						-.1995	
.7UU	.U44U				-.2335		
.725				-.1885			
.75U						-.3545	-.3345
.76U			-.1855				
.775				-.2455	-.3245		
.8U8			-.2345				
.834	-.U995						
.85U				-.3575	-.3695	-.4175	
.857			-.1525				
.865	-.1495						
.9U4	-.2115			-.4185			-.4585
.9U5			-.3495				
.95U				-.4995	-.4955	-.4935	
.953			-.3945				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (5) = 2.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3280						

MACH (1) = 1.150 BETA (6) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.4720	-.0790	.3890	.5990	.5320	.5200	.4560
.050				.6720	.6340	.6110	.5650
.081			.2640				
.086		.0230					
.094	-.0680						
.150				.1630	.1210	.1360	.1140
.177			.1580				
.229	-.0420						
.246		.2220					
.250				.0560	.0990	.1420	.1140
.362	.1760						
.400				.1180	.1040		.0630
.402			.0360				
.497	.1440						
.550				.0210	-.0390		
.565			.0200				
.600							-.1780
.650						-.1630	
.700	.0290				-.2330		
.725				-.1850			
.750						-.3500	-.3350
.760			-.1770				
.775				-.2390	-.3190		
.808			-.2290				
.834	-.0930						
.850				-.3550	-.3650	-.4160	
.857			-.1500				
.865	-.1410						
.900	-.2120			-.4160			-.4630
.905			-.3370				
.950				-.4480	-.4910	-.4940	
.953			-.3910				
.965	-.3310						

MACH (1) = 1.099 BETA (7) = 8.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.5340	-.0570	.2640	.4080	.4120	.4090	.3230
.050				.1220	.1050	.0690	.1050
.081			.2710				
.086		.0090					
.094	-.0620						

AMES 11-7U7 OA12 OEA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.U99 BETA (7) = 0.3UU

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.15U				.155U	.121U	.145U	.U99U
.177			.176U				
.229	.014U						
.246		.191U					
.25U				.U57U	.112U	.129U	.U8EU
.362	.117U						
.4UU				.124U	.U88U		.U44U
.4U2			.U43U				
.497	.144U						
.55U				.U24U	-.U42U		
.565			.U32U				
.6UU							-.192U
.65U						-.167U	
.7UU	.UE9U				-.222U		
.725				-.174U			
.75U						-.344U	-.349U
.76U			-.163U				
.775				-.223U	-.3U9U		
.8U8			-.215U				
.834	-.UU1U						
.85U				-.345U	-.355U	-.4U7U	
.857			-.136U				
.865	-.13UU						
.9UU	-.2U8U			-.4U3U			-.47UU
.9U5			-.321U				
.95U				-.42EU	-.483U	-.493U	
.953			-.36EU				
.965	-.332U						

MACH (2) = 1.25U BETA (1) = -0.04U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.14U	.U12U	.U34U	.472U	.841U	.8U4U	.814U	.77UU
.15U				-.125U	-.257U	-.281U	-.287U
.181			.1U8U				
.186		.UU7U					
.194	-.U33U						
.25U				.U28U	.112U	.118U	-.U01U
.177			.U21U				
.229	-.UU1U						
.246		.U72U					
.25U				.UU5U	.U32U	.U91U	.148U
.362	.UU6U						
.4UU				.U13U	.U85U		.161U
.4U2			-.U4EU				
.497	-.U44U						

AMES 11-707 OA12 OEA LOWER WING (REPLOT)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.250 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.0120	.0170		
.565			-.0540				
.600							-.0450
.650						-.0790	
.700	-.0680				-.1550		
.725				-.1710			
.750						-.2470	-.2030
.760			-.1860				
.775				-.2170	-.2570		
.808			-.2180				
.834	-.1430						
.850				-.2990	-.3030	-.3010	
.857			-.0570				
.885	-.1080						
.900	-.2000			-.3480			-.3120
.905			-.3510				
.950				-.3800	-.3850	-.3780	
.953			-.3700				
.965	-.2880						

MACH (2) = 1.247 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0530	.0130	.4160	.7570	.7050	.7180	.6730
.050				-.0520	-.1980	-.2120	-.1270
.081			.1380				
.086		.0070					
.094	-.0350						
.150				.0480	.1130	.0930	.1040
.177			.0440				
.229	.0070						
.246		.0930					
.250				.0170	.0350	.0890	.1280
.362	.0170						
.410				.0480	.1090		.1430
.462			.0000				
.497	.0180						
.550				.0110	.0220		
.565			-.0200				
.600							-.0550
.650						-.0810	
.700	-.0320				-.1500		
.725				-.1530			
.750						-.2410	-.2090
.760			-.1520				
.775				-.1910	-.2460		

AMES 11-7D7 OA12 OEA LOWER WING (RBPL401)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1850				
.834	-.2050						
.850				-.2770	-.2860	-.3010	
.857			-.0580				
.865	-.1290						
.900	-.1720			-.3280			-.3230
.905			-.3130				
.950				-.3630	-.3760	-.3800	
.953			-.3340				
.965	-.2480						

MACH (2) = 1.247 BETA (3) = -1.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0980	-.0140	.3870	.7120	.6590	.6710	.6270
.050				-.0240	-.1390	-.1990	-.1830
.081			.1460				
.086		.0050					
.094	-.0390						
.150				.0520	.1110	.0830	.0970
.177			.0570				
.229	-.0010						
.246		.1030					
.250				.0360	.0490	.1080	.1440
.362	.0240						
.400				.0640	.1130		.1390
.402			.0250				
.497	.0470						
.550				.0180	.0290		
.565			.0010				
.600							-.0520
.650						-.0780	
.700	-.0110				-.1470		
.725				-.1430			
.750						-.2410	-.2100
.760			-.1440				
.775				-.1830	-.2390		
.808			-.1770				
.834	-.0970						
.850				-.2700	-.2790	-.3020	
.857			-.0470				
.865	-.1210						
.900	-.1660			-.3140			-.3320
.905			-.3020				
.950				-.3560	-.3730	-.3780	
.953			-.3230				

AMES 11-7FT OA12 OEA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (3) = -1.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2450						

MACH (2) = 1.248 BETA (4) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1590	-.0440	.3620	.6770	.6120	.6320	.5760
.050				-.0450	-.0940	-.1040	-.0450
.081			.1650				
.086		.0020					
.094	-.0470						
.150				.0570	.1250	.0890	.0940
.177			.0820				
.229	-.0050						
.246		.1140					
.250				.0480	.0550	.1090	.1380
.362	.0510						
.414				.0620	.1060		.1340
.442			.0270				
.497	.0600						
.550				.0230	.0260		
.565			.0090				
.600							-.0640
.650						-.0780	
.700	.0040				-.1420		
.725				-.1260			
.750						-.2360	-.2190
.760			-.1310				
.775				-.1700	-.2320		
.818			-.1710				
.834	-.0820						
.850				-.2650	-.2690	-.3010	
.857			-.0470				
.865	-.1270						
.900	-.1590			-.3140			-.3380
.905			-.2940				
.950				-.3540	-.3630	-.3760	
.953			-.3180				
.965	-.2340						

MACH (2) = 1.245 BETA (5) = 2.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2310	-.0820	.3340	.6350	.5650	.5870	.5290
.050				.0270	-.0330	-.0320	-.0080
.081			.1710				
.086		-.0020					
.094	-.0600						

AMES 11-7U7 CA12 C2A LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (5) = 2.14U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0800	.1330	.0940	.1030
.177			.1570				
.229	-.0490						
.246		.1150					
.250				.0650	.0590	.1130	.1380
.362	.0410						
.400				.0670	.1050		.1270
.402			.0370				
.497	.0780						
.550				.0260	.0230		
.565			.0120				
.600							-.0720
.650						-.0780	
.700	.0110				-.1380		
.725				-.1180			
.750						-.2350	-.2290
.760			-.1270				
.775				-.1670	-.2230		
.800			-.1650				
.834	-.0730						
.850				-.2630	-.2580	-.3010	
.857			-.0320				
.865	-.1130						
.900	-.1480			-.3110			-.3420
.905			-.2760				
.950				-.3510	-.3990	-.3730	
.953			-.2990				
.965	-.2240						

MACH (2) = 1.245 BETA (6) = 4.21U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3220	-.1010	.2990	.5980	.5160	.5390	.4810
.050				.0580	.0460	.0420	.0210
.081			.1770				
.086		-.0100					
.094	-.0730						
.150				.0980	.1320	.0940	.1220
.177			.1230				
.229	-.0100						
.246		.1180					
.250				.0650	.0590	.1200	.1470
.362	.0410						
.400				.0700	.1040		.1290
.402			.0430				
.497	.0900						

AMES 11-707 OA12 OEA LOWER WING (RBPL4U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (6) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0320	.0260		
.565			.0260				-.0750
.600						-.0740	
.650					-.1310		
.700	.0170			-.1160			
.725						-.2290	-.2320
.750			-.1210				
.760				-.1650	-.2150		
.775			-.1640				
.808							
.834	-.0670			-.2620	-.2530	-.2970	
.850			-.0240				
.857							-.3420
.865	-.1030			-.3120			
.900	-.1460		-.2630				
.905				-.3480	-.3590	-.3680	
.950			-.2890				
.953							
.965	-.2230						

MACH (2) = 1.247 BETA (7) = 8.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4160	-.0980	.1880	.5130	.4230	.4440	.3780
.050				.1060	.0770	.0780	.0770
.081			.1950				
.086		-.0240					
.094	-.1100						
.150				.1150	.1390	.1040	.1320
.177			.1570				
.229	-.0250						
.246		.1140					
.250				.0710	.0720	.1300	.1470
.362	.0310						
.400				.0950	.1160		.1270
.402			.0520				
.497	.0090						
.550				.0480	.0310		
.565			.0440				
.600							-.0880
.650						-.0700	
.700	.0340				-.1290		
.725				-.1030			
.750						-.2280	-.2340
.760			-.1040				
.775				-.1470	-.2060		

AMES 11-707 OA12 OEA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (7) = 0.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.803			-.1470				
.834	-.0500						
.850				-.2470	-.2540	-.2920	
.857			-.0500				
.865	-.0860						
.900	-.1330			-.2980			-.3500
.905			-.2340				
.950				-.3230	-.3580	-.3670	
.953			-.2720				
.985	-.2180						

MACH (3) = 1.356 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0150	.0160	.4540	.6770	.8410	.8560	.8160
.050				-.1360	-.2300	-.2160	-.2280
.081			.0520				
.086		.0140					
.094	-.0450						
.150				.0260	-.0130	-.0590	-.0790
.177			.0210				
.229	.0050						
.246		.0660					
.250				.0170	.0490	.0820	.0110
.362	.0030						
.400				.0140	.0950		.1990
.402			-.0480				
.497	-.0340						
.550				-.0060	.0360		
.565			-.0570				
.600							.0200
.650						-.0300	
.700	-.0810				-.1080		
.725				-.1360			
.750						-.1760	-.1200
.760			-.1640				
.775				-.1790	-.1910		
.800			-.1940				
.834	-.1440						
.850				-.2470	-.2340	-.2250	
.857			-.0690				
.865	-.0780						
.900	-.2000			-.2860			-.2260
.905			-.2980				
.950				-.3130	-.3120	-.2900	
.953			-.3170				

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AMES 11-7ft OA12 OAA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2320						

MACH (3) = 1.399 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0380	.0140	.4010	.7880	.7350	.7530	.7090
.050				-.0600	-.1900	-.1880	-.2380
.081			.0810				
.086		.0180					
.094	-.0290						
.150				.0330	.1160	.0080	-.0660
.177			.0460				
.229	.0030						
.246		.0020					
.250				.0170	.0360	.0910	.1300
.362	.0140						
.400				.0250	.0650		.1590
.402			-.0210				
.497	-.0100						
.550				.0110	.0380		
.595			-.0320				
.600							-.0040
.650						-.0320	
.700	-.0450				-.1040		
.725				-.1230			
.750						-.1730	-.1400
.760			-.1350				
.775				-.1570	-.1820		
.808			-.1620				
.834	-.1030						
.850				-.2250	-.2210	-.2230	
.857			-.0880				
.865	-.1170						
.900	-.1550			-.2630			-.2410
.905			-.2640				
.950				-.2900	-.3030	-.2870	
.953			-.2870				
.965	-.2030						

MACH (3) = 1.397 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0990	-.0290	.3490	.7030	.6370	.6540	.6090
.050				-.0090	-.1430	-.1600	-.1430
.081			.1150				
.086		.0090					
.094	-.0050						

AMES 11-707 OA12 OZA LOWER WING (RBPL40)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0440	.1120	.0930	.1040
.177			.0730				
.229	.0030						
.246		.0950					
.250				.0290	.0390	.0780	.1140
.362	.0210						
.400				.0400	.0960		.1480
.402			.0110				
.497	.0210						
.550				.0240	.0410		
.565			-.0080				
.600							-.0190
.650						-.0350	
.700	-.0170				-.1030		
.725				-.1070			
.750						-.1750	-.1480
.760			-.1110				
.775				-.1400	-.1830		
.808			-.1420				
.834	-.0710						
.850				-.2170	-.2170	-.2280	
.857			-.0850				
.865	-.1150						
.900	-.1300			-.2540			-.2530
.905			-.2380				
.950				-.2800	-.296.	.090	
.953			-.2620				
.965	-.1920						

MACH (3) = 1.394 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2040	-.1260	.2910	.6190	.5350	.5530	.5040
.050				.0420	-.0560	-.0870	-.0420
.081			.1380				
.086		.0000					
.094	-.0440						
.150				.0640	.1120	.0810	.0900
.177			.1050				
.229	-.0090						
.246		.0990					
.250				.0450	.0420	.0800	.1000
.362	.0270						
.400				.0560	.0990		.1360
.402			.0270				
.497	.0460						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.394 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0290	.0330		
.565			.0090				
.600							-.0300
.650						-.0440	
.700	.0020				-.1050		
.725				-.0970			
.750						-.1730	-.1590
.760			-.0990				
.775				-.1280	-.1780		
.808			-.1300				
.834	-.0570						
.850				-.2070	-.2070	-.2300	
.857			-.0790				
.865	-.1040						
.900	-.1220			-.2470			-.2570
.905			-.2160				
.950				-.2740	-.2870	-.2990	
.953			-.2440				
.965	-.1900						

MACH (3) = 1.398 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3230	-.1190	.1730	.5240	.4350	.4510	.4030
.050				.0860	.0370	.0270	.0420
.081			.1550				
.086		-.0230					
.094	-.0740						
.150				.0920	.1330	.0970	.0960
.177			.1350				
.229	-.0340						
.246		.0990					
.250				.0650	.0600	.0960	.1200
.362	.0140						
.400				.0760	.1050		.1230
.402			.0490				
.497	.0490						
.550				.0420	.0340		
.565			.0320				
.600							-.0390
.650						-.0440	
.700	.0210				-.0990		
.725				-.0830			
.750						-.1660	-.1730
.760			-.0830				
.775				-.1140	-.1610		

AMES 11-7D7 OA12 O2A LOWER WING (RBPL4U)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (3) = 1.392 BETA (5) = 0.36U

Y/BW	.299	.364	.427	.534	.673	.79U	.887
X/CW							
.8U8			-.118U				
.834	-.048U						
.85U				-.195U	-.192U	-.223U	
.857			-.U68U				
.865	-.092U						
.9UU	-.115U			-.24UU			-.275U
.9U5			-.2U3U				
.95U				-.268U	-.278U	-.288U	
.953			-.231U				
.965	-.184U						

AMES 11-707 OA12 OEA LOWER WING (RBPL41) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1850	-.4030	.0820	.2200	.2700	.2340	.2590
.050				-.5650	-.6050	-.6730	-.8010
.081			-.3830				
.086		-.1650					
.094	-.1670						
.150				-.2670	-.3040	-.3040	-.2840
.177			-.2710				
.229	-.1020						
.246		-.2070					
.250				-.2670	-.2260	-.2180	-.2160
.362	-.1150						
.400				-.1920	-.2140		-.2070
.442			-.2220				
.497	-.2090						
.550				-.2920	-.3170		
.565			-.2730				
.600							-.3010
.650						-.2980	
.700	-.2380				-.3630		
.725				-.3330			
.750						-.3550	-.3160
.760			-.3040				
.775				-.2900	-.3260		
.808			-.2680				
.834	-.2800						
.850				-.2590	-.2350	-.2290	
.857			-.2950				
.865	-.2200						
.900	-.1810			-.1650			-.1560
.905			-.1600				
.950				-.0370	-.0340	-.0370	
.953			-.0570				
.965	-.0950						

MACH (1) = .900 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1130	-.2730	.1030	.2260	.2190	.1730	.1900
.050				-.5010	-.5170	-.5870	-.6770
.081			-.2960				
.086		-.1130					
.094	-.1080						

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AMES 11-7D7 OA12 O2A LOWER WING (RBPL41)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .398 BETA (2) = .090

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.2420	-.2680	-.2810	-.2660
.177			-.2390				
.229	-.0650						
.246		-.1400					
.250				-.2460	-.2130	-.2120	-.2030
.362	-.0680						
.400				-.1810	-.2070		-.2030
.402			-.2030				
.497	-.1690						
.550				-.2770	-.3100		
.565			-.2540				
.600							-.2900
.650						-.2970	
.700	-.2090				-.3550		
.725				-.3280			
.750						-.3450	-.3070
.760			-.2990				
.775				-.2890	-.3260		
.808			-.2630				
.834	-.2470						
.850				-.2600	-.2420	-.2240	
.857			-.2900				
.865	-.2090						
.900	-.1890			-.1760			-.1430
.905			-.1640				
.950				-.0460	-.0320	-.0360	
.953			-.0580				
.965	-.1130						

MACH (1) = .800 BETA (3) = 5.280

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0480	-.1190	.1570	.2350	.2030	.1580	.1620
.050				-.3890	-.4270	-.4890	-.5220
.081			-.1790				
.086		-.0540					
.094	-.0450						
.150				-.1870	-.1980	-.2190	-.2160
.177			-.1680				
.229	-.0260						
.246		-.0610					
.250				-.2030	-.1700	-.1750	-.1690
.362	-.0270						
.400				-.1380	-.1720		-.1710
.402			-.1600				
.497	-.1220						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL41)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2290	-.2740		
.565			-.2060				
.600							-.2580
.650						-.2640	
.700	-.1710				-.3300		
.725				-.2880			
.750						-.3160	-.2670
.760			-.2630				
.775				-.2540	-.3000		
.808			-.2300				
.834	-.2140						
.850				-.2270	-.2220	-.1980	
.857			-.2730				
.865	-.2000						
.900	-.1780			-.1450			-.1170
.905			-.1410				
.950				-.0160	-.0220	-.0160	
.953			-.0410				
.965	-.1140						

MACH (2) = .900 BETA (1) = -4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1300	-.3580	.2380	.4760	.4570	.4100	.3660
.050				-1.0580	-.9010	-.8750	-.8200
.081			-.3040				
.086		-.1130					
.094	-.1370						
.150				-.3250	-.6630	-.6210	-.5830
.177			-.3280				
.229	-.0560						
.246		-.1220					
.250				-.2950	-.3600	-.4400	-.4350
.362	-.0320						
.400				-.2220	-.2160		-.3190
.402			-.3150				
.497	-.2430						
.550				-.2960	-.3380		
.565			-.3100				
.600							-.4380
.650						-.4470	
.700	-.2660				-.5720		
.725				-.5360			
.750						-.6580	-.6020
.760			-.5480				
.775				-.6050	-.6750		

AMES 11-707 OA12 OEA LOWER WING (RBPL41)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (1) = -4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.6160				
.834	-.4770						
.850				-.6070	-.6100	-.5030	
.857			-.3560				
.865	-.5050						
.900	-.2810			-.1910			-.2220
.905			-.1620				
.950				-.0580	-.0370	-.0330	
.953			-.0820				
.965	-.0560						

MACH (2) = .900 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0570	-.2080	.2390	.4010	.3540	.3090	.2490
.050				-.7130	-.6770	-.8450	-.6820
.081			-.2200				
.086		-.0560					
.094	-.0670						
.150				-.2010	-.5420	-.5790	-.4830
.177			-.2540				
.229	-.0170						
.246		-.0570					
.250				-.3170	-.3310	-.2570	-.3530
.362	.0130						
.400				-.1770	-.2000		-.3080
.402			-.3130				
.497	-.1770						
.550				-.2910	-.3590		
.565			-.2940				
.600							-.4710
.650						-.4800	
.700	-.2330				-.5880		
.725				-.5340			
.750						-.6990	-.6300
.760			-.5320				
.775				-.6070	-.6860		
.808			-.6040				
.834	-.4370						
.850				-.4050	-.5320	-.3830	
.857			-.3340				
.865	-.4770						
.900	-.3410			-.1920			-.1560
.905			-.1420				
.950				-.0930	-.0560	-.0510	
.953			-.0790				

AMES 11-707 OA12 OEA LOWER WING (RBPL41)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0710						

MACH (2) = .901 BETA (3) = 5.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0180	-.0820	.2440	.3450	.2600	.2000	.1410
.050				-.4160	-.6470	-.7830	-.5660
.081			-.1280				
.086		-.0180					
.094	-.0130						
.150				-.1810	-.3750	-.3680	-.4770
.177			-.1900				
.229	.0090						
.246		-.0070					
.250				-.3000	-.2380	-.2020	-.3590
.362	.0270						
.400				-.1450	-.2190		-.2850
.402			-.2550				
.497	-.1290						
.550				-.2950	-.3660		
.565			-.2770				
.600							-.4850
.650						-.4890	
.700	-.2260				-.5820		
.725				-.5200			
.750						-.7200	-.6490
.760			-.5050				
.775				-.5920	-.6810		
.808			-.5710				
.834	-.3980						
.850				-.3060	-.3100	-.1990	
.857			-.3220				
.865	-.4320						
.900	-.3050			-.1150			-.0820
.905			-.1260				
.950				-.0400	-.0300	-.0100	
.953			-.0390				
.965	-.0920						

AMES 11-7U7 OA12 O2A LOWER WING (RBFL42) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) = -4.500

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1890	-.4120	.0750	.2170	.2800	.2290	.2460
.050				-.5680	-.6290	-.6940	-.8100
.081			-.3940				
.086		-.1670					
.094	-.1680						
.150				-.2740	-.3270	-.3150	-.2980
.177			-.2840				
.229	-.1040						
.246		-.2050					
.250				-.2720	-.2390	-.2250	-.2300
.362	-.1130						
.400				-.2010	-.2250		-.2320
.442			-.2280				
.497	-.2100						
.550				-.2960	-.3200		
.565			-.2910				
.600							-.3140
.650						-.3040	
.700	-.2400				-.3690		
.725				-.3360			
.750						-.3610	-.3230
.760			-.3180				
.7.5				-.2960	-.3300		
.808			-.2820				
.834	-.2650						
.850				-.2620	-.2420	-.2340	
.857			-.3230				
.865	-.2240						
.900	-.1840			-.1770			-.1600
.905			-.1650				
.950				-.0440	-.0350	-.04..	
.953			-.05..				
.965	-.1010						

MACH (1) = .596 BETA (2) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1080	-.2530	.1090	.2140	.2220	.1670	.1830
.050				-.4930	-.5290	-.5960	-.6800
.081			-.2960				
.086		-.1090					
.094	-.1040						

AMES 11-707 OA12 O2A LOWER WING (RBPL42)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.2380	-.2780	-.2730	-.2740
.177			-.2360				
.229	-.0590						
.246		-.1340					
.250				-.2430	-.2130	-.2070	-.2150
.362	-.0650						
.400				-.1730	-.2070		-.2230
.402			-.2040				
.497	-.1640						
.550				-.2700	-.3030		
.565			-.2610				
.600							-.2980
.650						-.2970	
.700	-.2060				-.3510		
.725				-.3200			
.750						-.3510	-.3010
.760			-.3010				
.775				-.2870	-.3190		
.808			-.2670				
.834	-.2430						
.850				-.2610	-.2410	-.2280	
.857			-.3040				
.865	-.2120						
.900	-.1870			-.1740			-.1400
.905			-.1560				
.950				-.0430	-.0560	-.0380	
.953			-.0520				
.965	-.1110						

MACH (1) = .598 BETA (3) = 5.290

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0570	-.1440	.1520	.2190	.1910	.1480	.1390
.050				-.4110	-.4480	-.5090	-.5330
.081			-.1910				
.086		-.0600					
.094	-.0500						
.150				-.1980	-.2120	-.2280	-.2280
.177			-.1700				
.229	-.0310						
.246		-.0770					
.250				-.2180	-.1840	-.1910	-.1820
.362	-.0360						
.400				-.1500	-.1860		-.1950
.402			-.1680				
.497	-.1290						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 G2A LOWER WING (RBPL42)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2480	-.2810		
.565			-.2120				-.2700
.600						-.2780	
.650					-.3420		
.700	-.1810			-.3030			
.725						-.3300	-.2730
.750							
.760			-.2720				
.775				-.2680	-.3150		
.808			-.2400				
.834	-.2230						
.850				-.2500	-.2330	-.2150	
.857			-.3040				
.865	-.2060						
.900	-.1900			-.1600			-.1250
.905			-.1570				
.950				-.0300	-.0330	-.0230	
.953			-.0590				
.965	-.1240						

MACH (2) = .904 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1230	-.3520	.2390	.4720	.4560	.4160	.3630
.050				-1.0360	-.9020	-.8650	-.8770
.081			-.2970				
.086		-.1120					
.094	-.1400						
.150				-.3210	-.6130	-.6140	-.5260
.177			-.3180				
.229	-.0570						
.246		-.1170					
.250				-.2940	-.3330	-.4290	-.3650
.362	-.0320						
.400				-.2271	-.1830		-.2920
.402			-.3090				
.497	-.2470						
.550				-.2910	-.3630		
.565			-.3060				
.600							-.4340
.650						-.4510	
.700	-.2740				-.5730		
.725				-.5310			
.750						-.6620	-.6160
.760			-.5390				
.775				-.6030	-.6740		

SECTION (1)LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.6050				
.834	-.4720						
.850				-.6150	-.6610	-.4950	
.857			-.3720				
.865	-.4970						
.900	-.3200			-.1950			-.2490
.905			-.1800				
.950				-.0640	-.0550	-.0560	
.953			-.1070				
.965	-.0680						

MACH (2) = .900 BETA (2) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0550	-.2010	.2390	.4040	.3560	.3080	.2330
.050				-.6870	-.7020	-.8220	-.7220
.081			-.2230				
.086		-.0590					
.094	-.0620						
.150				-.1940	-.5460	-.5660	-.5000
.177			-.2530				
.229	-.0110						
.246		-.0570					
.250				-.3160	-.3290	-.2680	-.3520
.362	.0160						
.400				-.1650	-.1990		-.3100
.402			-.3100				
.497	-.1710						
.550				-.2890	-.3890		
.565			-.2910				
.600							-.4660
.650						-.4770	
.700	-.2290				-.5860		
.725				-.5300			
.750						-.7030	-.6290
.760			-.5280				
.775				-.6040	-.6810		
.808			-.5980				
.834	-.4300						
.850				-.4260	-.5230	-.3900	
.857			-.3370				
.865	-.4580						
.900	-.3210			-.1890			-.1400
.905			-.1290				
.950				-.0970	-.0360	-.0400	
.953			-.0630				

AMES 11-7D7 OA12 O2A LOWER WING (RBPL42)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0700						

MACH (2) = .901 BETA (3) = 5.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0190	-.0850	.2430	.3420	.2580	.1980	.1350
.050				-.4180	-.6460	-.7810	-.5690
.081			-.1340				
.086		-.0190					
.094	-.0090						
.150				-.1820	-.3780	-.3720	-.4700
.177			-.1890				
.229	.0110						
.246		-.0070					
.250				-.3040	-.2360	-.2050	-.3810
.362	.0280						
.400				-.1480	-.2230		-.2970
.402			-.2530				
.497	-.1290						
.550				-.2970	-.3660		
.565			-.2750				
.600							-.4830
.650						-.4880	
.700	-.2270				-.5820		
.725				-.5210			
.750						-.7190	-.6470
.760			-.5020				
.775				-.5890	-.6810		
.808			-.5720				
.834	-.4000						
.850				-.3120	-.3120	-.2060	
.857			-.3030				
.865	-.4040						
.900	-.3160			-.1300			-.0890
.905			-.1300				
.950				-.0400	-.0340	-.0290	
.953			-.0450				
.965	-.0910						

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1910	-.3900	.1020	.2890	.3410	.3230	.3740
.050				-.5000	-.4830	-.5250	-.6940
.081			-.3490				
.086		-.1560					
.094	-.1630						
.150				-.2210	-.2310	-.2150	-.1830
.177			-.2460				
.229	-.1000						
.246		-.1780					
.250				-.2200	-.1520	-.1450	-.1250
.362	-.1010						
.400				-.1300	-.1200		-.1310
.402			-.1670				
.497	-.1790						
.550				-.1710	-.1610		
.565			-.1790				
.600							-.0340
.650						-.0080	
.700	-.1660				-.0250		
.725				.0010			
.750						.0650	-.0350
.760			-.0030				
.775				.0470	.0210		
.808			.0440				
.834	-.0680						
.850				-.0790	-.0780	-.0800	
.857			.0290				
.865	.0180						
.900	-.1090			-.0800			-.0880
.905			-.0900				
.950				-.0090	-.0110	-.0080	
.953			-.0460				
.965	-.1520						

MACH (1) = .900 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1010	-.2560	.1400	.2820	.2950	.2820	.3240
.050				-.4040	-.4070	-.4290	-.5610
.081			-.2500				
.086		-.0970					
.094	-.0980						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL43)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1870	-.1980	-.1820	-.1590
.177			-.1900				
.229	-.0510						
.246		-.1140					
.250				-.1880	-.1320	-.1180	-.1040
.362	-.0450						
.400				-.1050	-.1070		-.1200
.402			-.1370				
.497	-.1240						
.550				-.1440	-.1360		
.565			-.1510				
.600							-.0200
.650						.0080	
.700	-.1280				.0000		
.725				.0240			
.750						.0850	-.0200
.760			.0230				
.775				.0660	.0410		
.800			.0630				
.834	-.0970						
.850				-.0720	-.0610	-.0670	
.857			.0430				
.865	.0390						
.900	-.0880			-.0760			-.0770
.905			-.0730				
.950				-.0060	.0010	.0010	
.953			-.0380				
.965	-.1170						

MACH (1) = .597 BETA (3) = 5.270

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0490	-.1190	.1770	.2830	.2600	.2480	.2620
.050				-.3170	-.3350	-.3600	-.4190
.081			-.1500				
.086		-.0480					
.094	-.0400						
.150				-.1430	-.1570	-.1370	-.1280
.177			-.1360				
.229	-.0190						
.246		-.0480					
.250				-.1560	-.1100	-.1010	-.0960
.362	-.0170						
.400				-.0720	-.0900		-.1130
.402			-.1030				
.497	-.0880						

AMES 11-7U7 OA12 OBA LOWER WING (RBPL43)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1120	-.1200		
.565			-.1100				
.600							-.0140
.650						.0180	
.700	-.0930				.0080		
.725				.0420			
.750						.0980	.0010
.760			.0390				
.775				.0810	.0510		
.808			.0730				
.834	-.0120						
.850				-.0600	-.0490	-.0580	
.857			.0730				
.865	.0540						
.900	-.0280			-.0670			-.0660
.905			-.0560				
.950				.0440	.0020	.0040	
.953			-.0250				
.965	-.0830						

MACH (2) = .897 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1290	-.3560	.2420	.4710	.4580	.4130	.3740
.050				-1.0940	-.8570	-.8400	-.7180
.081			-.3030				
.086		-.1100					
.094	-.1320						
.150				-.2560	-.5800	-.6070	-.4820
.177			-.3140				
.229	-.0540						
.246		-.1230					
.250				-.3100	-.2870	-.3490	-.3300
.362	-.0270						
.400				-.1540	-.1650		-.2530
.402			-.2620				
.497	-.2240						
.550				-.2740	-.2810		
.565			-.2830				
.600							-.1040
.650						-.0490	
.700	-.2400				-.0330		
.725				.0170			
.750						.0440	-.0920
.760			.0210				
.775				.0750	.0220		

AMES 11-707 OA12 02A LOWER WING (RBPL43)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0740				
.834	-.0650						
.850				-.1590	-.1480	-.1640	
.857			-.0550				
.865	.0200						
.900	-.1370			-.1900			-.1900
.905			-.1860				
.950				-.0980	-.1160	-.1090	
.953			-.1300				
.965	-.1990						

MACH (2) = .896 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0570	-.2190	.2340	.3990	.3560	.3060	.2590
.050				-.6860	-.6690	-.9010	-.5980
.081			-.2170				
.086		-.0540					
.094	-.0610						
.150				-.1940	-.5370	-.5970	-.4460
.177			-.2540				
.229	-.0130						
.246		-.0580					
.250				-.3160	-.3070	-.1620	-.3480
.362	.0150						
.400				-.1440	-.1970		-.3190
.402			-.2730				
.497	-.1700						
.550				-.2770	-.3260		
.565			-.2740				
.600							-.1160
.650						-.0310	
.700	-.2200				-.0330		
.725				.0230			
.750						.0760	-.0930
.760			.0210				
.775				.0810	.0190		
.808			.0700				
.834	-.0690						
.850				-.1890	-.2030	-.2400	
.857			-.0370				
.865	.0290						
.900	-.1380			-.3190			-.2950
.905			-.2600				
.950				-.2060	-.2570	-.2690	
.953			-.2170				

AMES 11-707 OA12 O2A LOWER WING (RBPL43)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2470						

MACH (2) = .903 BETA (3) = 5.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0200	-.0890	.2420	.3430	.2600	.1960	.1540
.050				-.4180	-.6480	-.7790	-.5540
.081			-.1310				
.086		-.0200					
.094	-.0090						
.150				-.1790	-.3630	-.3310	-.4520
.177			-.1900				
.229	.0100						
.246		-.0050					
.250				-.3000	-.2110	-.1890	-.3260
.362	.0260						
.400				-.1340	-.1980		-.3020
.402			-.2150				
.497	-.1280						
.550				-.2540	-.3330		
.565			-.2300				
.600							-.0750
.650						-.0160	
.700	-.1940				-.0050		
.725				.0220			
.750						.0970	-.0680
.760			.0220				
.775				.0810	.0480		
.808			.0620				
.834	-.0650						
.850				-.1850	-.2040	-.2350	
.857			-.0380				
.865	.0450						
.900	-.1140			-.3200			-.3770
.905			-.2670				
.950				-.3580	-.4260	-.4170	
.953			-.3190				
.965	-.2960						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL44) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2010	-.4440	.0240	.1240	.1920	.0950	.0020
.050				-.6560	-.7870	-.8750	-.7710
.081			-.4530				
.086		-.1900					
.094	-.1770						
.150				-.3370	-.4560	-.4420	-.4580
.177			-.3300				
.229	-.1190						
.246		-.2470					
.250				-.3390	-.3310	-.3250	-.3580
.362	-.1420						
.400				-.2690	-.3160		-.3980
.402			-.2940				
.497	-.2510						
.550				-.4160	-.4630		
.565			-.3840				
.600							-.5910
.650						-.6020	
.700	-.3200				-.7540		
.725				-.6600			
.750						-.7200	-.6480
.760			-.6230				
.775				-.6700	-.6790		
.808			-.5780				
.834	-.4790						
.850				-.3750	-.3460	-.3350	
.857			-.1860				
.865	-.5140						
.900	-.2810			-.2080			-.2560
.905			-.1760				
.950				-.0830	-.0820	-.0870	
.953			-.0730				
.965	-.0890						

MACH (1) = .597 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1190	-.3030	.0630	.1380	.1260	.0390	.0100
.050				-.5740	-.6960	-.7690	-.6870
.081			-.3400				
.086		-.1280					
.094	-.1110						

AMES 11-707 OA12 02A LOWER WING (RBPL44)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2980	-.3730	-.3750	-.4120
.177			-.2610				
.229	-.0710						
.246		-.1740					
.250				-.3030	-.2950	-.2970	-.3200
.362	-.0890						
.400				-.2470	-.2970		-.3720
.402			-.2630				
.497	-.2030						
.550				-.3910	-.4470		
.565			-.3520				
.600							-.5650
.650						-.5880	
.700	-.2820				-.7350		
.725				-.6500			
.750						-.7050	-.6240
.760			-.6030				
.775				-.6530	-.6830		
.808			-.5540				
.834	-.4550						
.850				-.3590	-.3430	-.3150	
.857			-.1940				
.865	-.5120						
.900	-.3220			-.1960			-.2360
.905			-.1890				
.950				-.0850	-.0580	-.0650	
.953			-.1020				
.965	-.1410						

MACH (1) = .597 BETA (3) = 5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0510	-.1440	.1230	.1600	.1030	.0210	-.0170
.050				-.4700	-.5620	-.6560	-.6250
.081			-.2320				
.086		-.0680					
.094	-.0490						
.150				-.2480	-.3010	-.3130	-.3620
.177			-.2180				
.229	-.0350						
.246		-.0980					
.250				-.2710	-.2560	-.2600	-.2860
.362	-.0490						
.400				-.2190	-.2720		-.3430
.402			-.2320				
.497	-.1600						

AMES 11-707 OA12 O2A LOWER WING (RBPL44)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3600	-.4150		
.565			-.3040				
.600							-.5260
.650						-.5550	
.700	-.2490				-.7080		
.725				-.6240			
.750						-.6690	-.5700
.760			-.5870				
.775				-.6120	-.6570		
.808			-.5480				
.834	-.4450						
.850				-.3210	-.3130	-.2770	
.857			-.1920				
.865	-.5200						
.900	-.3550			-.1630			-.1980
.905			-.1830				
.950				-.0910	-.0540	-.0530	
.953			-.0950				
.965	-.1680						

MACH (2) = .903 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1180	-.3500	.2420	.4690	.4550	.4090	.3610
.050				-1.1070	-.8690	-.8580	-.8270
.081			-.3070				
.086		-.1040					
.094	-.1340						
.150				-.3020	-.6280	-.6140	-.5240
.177			-.3150				
.229	-.0510						
.246		-.1210					
.250				-.3010	-.3460	-.4220	-.3640
.362	-.0270						
.400				-.2020	-.1850		-.3010
.402			-.3140				
.497	-.2430						
.550				-.2980	-.3340		
.565			-.3130				
.600							-.3840
.650						-.4070	
.700	-.2550				-.5540		
.725				-.5130			
.750						-1.0150	-.9900
.760			-.5270				
.775				-1.0150	-1.0660		

AMES 11-707 OA12 OBA LOWER WING (RBPL44)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.9410				
.834	-.4760						
.850				-.6170	-.5800	-.6180	
.857			-.1700				
.865	-.8110						
.900	-.5150			-.5340			-.6370
.905			-.5300				
.950				-.4340	-.4810	-.4790	
.953			-.4350				
.965	-.3650						

MACH (2) = .902 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0560	-.2110	.2350	.3960	.3510	.3000	.2310
.050				-.7300	-.6930	-.8530	-.6850
.081			-.2290				
.086		-.0610					
.094	-.0690						
.150				-.2200	-.5550	-.5780	-.4720
.177			-.2600				
.229	-.0190						
.246		-.0610					
.250				-.3220	-.3360	-.2910	-.3580
.362	.0100						
.400				-.1800	-.2030		-.3350
.402			-.3100				
.497	-.1820						
.550				-.2940	-.3590		
.565			-.3010				
.600							-.4050
.650						-.4380	
.700	-.2390				-.5760		
.725				-.5160			
.750						-1.0490	-.9760
.760			-.5190				
.775				-1.0030	-1.0390		
.808			-.8190				
.834	-.4480						
.850				-.5770	-.5640	-.5840	
.857			-.1840				
.865	-.8150						
.900	-.5300			-.5320			-.6030
.905			-.5300				
.950				-.5070	-.4970	-.5000	
.953			-.4840				

AMES 11-707 OA12 O2A LOWER WING (RBPL44)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.4130						

MACH (2) = .904 BETA (3) = 5.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0200	-.0870	.2400	.3340	.2460	.1830	.1340
.050				-.4290	-.6550	-.8170	-.5660
.081			-.1360				
.086		-.0180					
.094	-.0130						
.150				-.1870	-.4160	-.3880	-.4770
.177			-.1920				
.229	.0070						
.246		-.0090					
.250				-.3170	-.2330	-.2020	-.3720
.362	.0210						
.400				-.1530	-.2250		-.3440
.402			-.2600				
.497	-.1410						
.550				-.3060	-.3770		
.565			-.2780				
.600							-.4130
.650						-.4820	
.700	-.2370				-.5870		
.725				-.5070			
.750						-1.0290	-1.0480
.760			-.4900				
.775				-.8750	-.7290		
.808			-.6770				
.834	-.4160						
.850				-.5100	-.5320	-.5140	
.857			-.1940				
.865	-.8000						
.900	-.5750			-.4860			-.5550
.905			-.5120				
.950				-.4710	-.5000	-.4380	
.953			-.4910				
.965	-.4220						

AMES 11-7U7 OA12 O2A LOWER WING (R2PL45) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53U0 INCHES
LREF = 39.849U INCHES YMRP = .0000 INCHES
BREF = 39.849U INCHES ZMRP = .0000 INCHES
SCALE = .U3U0 SCALE

FARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1840	-.4010	.0760	.2300	.2740	.2340	.2560
.050				-.5490	-.6140	-.6700	-.8020
.081			-.3780				
.086		-.1610					
.094	-.1640						
.150				-.2630	-.3120	-.3110	-.2860
.177			-.2760				
.229	-.1010						
.246		-.2050					
.250				-.2650	-.2230	-.2180	-.2120
.362	-.1130						
.400				-.1940	-.2080		-.2500
.402			-.2240				
.497	-.2050						
.550				-.2870	-.3230		
.565			-.2760				
.600							-.2970
.650						-.3190	
.700	-.2320				-.3620		
.725				-.3160			
.750						-.3210	-.3180
.760			-.2950				
.775				-.2810	-.3110		
.808			-.2800				
.834	-.2560						
.850				-.2480	-.2210	-.2280	
.857			-.1180				
.865	-.2300						
.900	-.1860			-.1600			-.1520
.905			-.1620				
.950				-.0390	-.0210	-.0320	
.953			-.0540				
.965	-.0940						

MACH (1) = .597 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1030	-.2500	.1200	.2310	.2320	.1890	.2120
.050				-.4750	-.4800	-.5700	-.6770
.081			-.2810				
.086		-.1000					
.094	-.0970						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL45)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2240	-.2630	-.2660	-.2600
.177			-.2280				
.229	-.0560						
.246		-.1280					
.250				-.2400	-.2400	-.1960	-.1960
.362	-.0600						
.400				-.1650	-.1960		-.2400
.402			-.1950				
.497	-.1560						
.550				-.2600	-.3040		
.565			-.2480				
.600							-.2820
.650						-.3060	
.700	-.1990				-.3410		
.725				-.3010			
.750						-.3130	-.2970
.760			-.2840				
.775				-.2750	-.3020		
.808			-.2680				
.834	-.2410						
.850				-.2400	-.2190	-.2170	
.857			-.1220				
.865	-.2280						
.900	-.1810			-.1610			-.1360
.905			-.1510				
.950				-.0370	-.0190	-.0320	
.953			-.0470				
.965	-.1060						

MACH (1) = .598 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0530	-.1370	.1590	.2360	.2020	.1510	.1600
.050				-.4040	-.4300	-.4990	-.5310
.081			-.1870				
.086		-.0610					
.094	-.0500						
.150				-.1940	-.2270	-.2280	-.2320
.177			-.1710				
.229	-.0270						
.246		-.0710					
.250				-.2140	-.1840	-.1850	-.1850
.362	-.0330						
.400				-.1510	-.1890		-.2330
.402			-.1720				
.497	-.1290						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2430	-.2890		
.565			-.2190				
.600							-.2690
.650						-.2950	
.700	-.1780				-.3340		
.725				-.2880			
.750						-.3030	-.2780
.760			-.2700				
.775				-.2650	-.3010		
.808			-.2530				
.834	-.2270						
.850				-.2320	-.2170	-.2070	
.857			-.1280				
.865	-.2450						
.900	-.1900			-.1510			-.1210
.905			-.1430				
.950				-.0260	-.0250	-.0180	
.953			-.0510				
.965	-.1210						

MACH (2) = .901 BETA (1) = -5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1140	-.3430	.2420	.4740	.4590	.4120	.3660
.050				-.9860	-.8890	-.8520	-.7770
.081			-.3080				
.086		-.1120					
.094	-.1370						
.150				-.3120	-.6460	-.6010	-.6280
.177			-.3300				
.229	-.0570						
.246		-.1250					
.250				-.2960	-.3590	-.3870	-.4830
.362	-.0330						
.400				-.2100	-.1950		-.3530
.402			-.3200				
.497	-.2500						
.550				-.2960	-.3500		
.565			-.3150				
.600							-.4260
.650						-.4660	
.700	-.2560				-.5830		
.725				-.5370			
.750						-.6030	-.5830
.760			-.5510				
.775				-.6070	-.6590		

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AMES 11-707 OA12 O2A LOWER WING (RBPL45)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) = -5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.6440				
.834	-.4850						
.850				-.6130	-.5240	-.4670	
.857			-.1870				
.865	-.5730						
.900	-.2890			-.1630			-.2130
.905			-.1490				
.950				-.0380	-.0160	-.0390	
.953			-.0640				
.965	-.0450						

MACH (2) = .902 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0480	-.1960	.2390	.4020	.3570	.3100	.2450
.050				-.6760	-.6630	-.8740	-.6440
.081			-.2150				
.086		-.0550					
.094	-.0640						
.150				-.1980	-.5330	-.5690	-.5370
.177			-.2490				
.229	-.0140						
.246		-.0560					
.250				-.3160	-.3290	-.2440	-.4090
.362	.0130						
.400				-.1550	-.2050		-.3450
.402			-.2980				
.497	-.1730						
.550				-.2950	-.3740		
.555			-.2950				
.600							-.4530
.650						-.4980	
.700	-.2340				-.5990		
.725				-.5310			
.750						-.6370	-.6260
.760			-.5190				
.775				-.6100	-.6710		
.808			-.6350				
.834	-.4400						
.850				-.3990	-.3930	-.3550	
.857			-.2070				
.865	-.5150						
.900	-.3510			-.1480			-.1430
.905			-.1240				
.950				-.0460	-.0300	-.0250	
.953			-.0600				

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0590						

MACH (2) = .900 BETA (3) = 5.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0150	-.0820	.2460	.3480	.2610	.1960	.1460
.050				-.4100	-.6490	-.7880	-.5740
.081			-.1330				
.086		-.0180					
.094	-.0090						
.150				-.1780	-.3810	-.3490	-.4840
.177			-.1920				
.229	.0150						
.246		-.0040					
.250				-.3010	-.2290	-.2000	-.3780
.362	.0300						
.400				-.1430	-.2200		-.3440
.402			-.2600				
.497	-.1320						
.550				-.2910	-.3740		
.565			-.2780				
.600							-.4830
.650						-.5090	
.700	-.2270				-.5900		
.725				-.5170			
.750						-.6620	-.6390
.760			-.4940				
.775				-.5930	-.6800		
.808			-.5110				
.834	-.4100						
.850				-.2860	-.2860	-.1850	
.857			-.2040				
.865	-.4890						
.900	-.2880			-.0960			-.0640
.905			-.0980				
.950				-.0300	-.0120	-.0060	
.953			-.0230				
.965	-.0810						

AMES 11-7U7 OA12 O2A LOWER WING (RBPL46) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) =-15.850

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.9390	-1.1100	-1.1120	-1.4750	-1.2000	-1.0700	-.5860
.050				-1.7190	-1.2300	-.9660	-.5390
.081			-1.0450				
.086		-.7870					
.094	-1.3960						
.150				-1.9790	-1.2060	-.9740	-.5340
.177			-.8500				
.229	-1.0220						
.246		-.9110					
.250				-1.0070	-1.3220	-.9800	-.5480
.362	-.8020						
.400				-.3310	-1.0050		-.5490
.402			-.6210				
.497	-.7100						
.550				-.4330	-.6460		
.565			-.6860				
.600							-.5320
.650						-.5870	
.700	-.3470				-.5530		
.725				-.4650			
.750						-.5790	-.5230
.760			-.6870				
.775				-.4170	-.5080		
.808			-.6230				
.834	-.3230						
.850				-.4100	-.4630	-.5220	
.857			-.0460				
.865	-.2970						
.900	-.2880			-.3080			-.4880
.905			-.5190				
.950				-.1830	-.3640	-.4600	
.953			-.3370				
.965	-.2050						

MACH (1) = .500 ALPHA (2) =-10.490

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8470	-1.1810	-.6240	-.7680	-.5960	-.7790	-.6920
.050				-1.4100	-1.1210	-1.2360	-.9870
.081			-.8720				
.086		-.6770					
.094	-.2650						

AMES 11-707 OA12 O2A LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (2) =-10.490

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.8520	-.8920	-1.0890	-.7970
.177			-.5340				
.229	-.1880						
.246		-.8570					
.250				-.4990	-.7390	-.8000	-.6440
.362	-.2050						
.400				-.3190	-.4980		-.5070
.402			-.3680				
.497	-.3150						
.550				-.3360	-.4000		
.565			-.3540				
.600							-.4090
.650						-.3480	
.700	-.2840				-.3670		
.725				-.3250			
.750						-.3300	-.3420
.760			-.3610				
.775				-.2840	-.3020		
.808			-.3370				
.834	-.2850						
.850				-.2480	-.2310	-.2440	
.857			-.0560				
.865	-.2490						
.900	-.2320			-.1730			-.2320
.905			-.2330				
.950				-.0590	-.1000	-.1230	
.953			-.1170				
.965	-.1540						

MACH (1) = .599 ALPHA (3) = -5.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1820	-.4470	-.0180	.0250	.0710	-.0050	.0150
.050				-.6170	-.7400	-.7940	-.6390
.081			-.3820				
.086		-.1670					
.094	-.1340						
.150				-.2950	-.4120	-.3990	-.3980
.177			-.2860				
.229	-.0810						
.246		-.2070					
.250				-.2910	-.2780	-.2640	-.2890
.362	-.0920						
.400				-.1990	-.2310		-.2730
.402			-.2260				
.497	-.1870						

AMES 11-7D7 OA12 OEA LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (3) = -5.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2830	-.3230		
.565			-.26'0				
.600							-.3000
.650						-.3190	
.700	-.2170				-.3570		
.725				-.3110			
.750						-.3150	-.3030
.760			-.2910				
.775				-.2780	-.3080		
.808			-.2670				
.834	-.2490						
.850				-.2440	-.2200	-.2180	
.857			-.0700				
.865	-.2210						
.900	-.1860			-.1590			-.1470
.905			-.1500				
.950				-.0370	-.0350	-.0340	
.953			-.0450				
.965	-.1050						

MACH (1) = .599 ALPHA (4) = .050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0350	.0040	.2950	.4910	.4550	.4540	.3900
.050				-.1620	-.2080	-.1660	-.1420
.081			-.0140				
.086		.0090					
.094	-.0140						
.150				-.0530	-.0590	-.1090	-.0590
.177			-.0990				
.229	.0050						
.246		.0110					
.250				-.1120	-.0650	-.0660	-.0720
.362	.0270						
.400				-.0830	-.1080		-.1490
.402			-.1110				
.497	-.0640						
.550				-.2020	-.2500		
.565			-.1690				
.600							-.2360
.650						-.2700	
.700	-.1480				-.3130		
.725				-.2710			
.750						-.2920	-.2810
.760			-.2630				
.775				-.2560	-.2910		

AMES 11-7U7 CA12 C2A LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (4) = .050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2480				
.834	-.2170						
.850				-.2350	-.2140	-.2150	
.857			-.1010				
.865	-.2040						
.900	-.1760			-.1570			-.1440
.905			-.1550				
.950				-.0310	-.0250	-.0280	
.953			-.0560				
.965	-.1140						

MACH (2) = .900 ALPHA (1) =-16.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9150	-.6040	-.5020	-.4820	-.4270	-.5210	-.6930
.050				-1.3850	-1.2570	-.6860	-.6840
.081			-.6960				
.086		-.4740					
.094	-.9130						
.150				-1.4900	-1.0930	-.8410	-.7270
.177			-.7220				
.229	-.8290						
.246		-.4410					
.250				-1.2610	-.9900	-.8360	-.7150
.362	-.5640						
.400				-.3680	-.9280		-.6960
.402			-.7400				
.497	-.7760						
.550				-.6340	-.7700		
.565			-.5560				
.600							-.6520
.650						-.6900	
.700	-.9160				-.7130		
.725				-.7160			
.750						-.6630	-.6380
.760			-.8640				
.775				-.6890	-.6820		
.808			-.7850				
.834	-.8260						
.850				-.6330	-.6410	-.6380	
.857			-.0670				
.865	-.7940						
.900	-.9830			-.6260			-.6170
.905			-.5320				
.950				-.5070	-.6230	-.6310	
.953			-.4730				

AMES 11-7U7 OA12 O2A LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (1) =-16.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.4340						

MACH (2) = .901 ALPHA (2) =-10.840

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6500	-.7580	-.2220	-.0690	-.0500	-.1600	-.1090
.050				-1.3430	-1.2380	-.8920	-.6090
.081			-.5170				
.086		-.3970					
.094	-.1980						
.150				-1.2990	-1.2450	-.8250	-.6290
.177			-.6110				
.229	-.1480						
.246		-.3900					
.250				-.4910	-1.0990	-.7940	-.6370
.362	-.0740						
.400				-.3540	-.8190		-.6200
.402			-.5730				
.497	-.4090						
.550				-.4450	-.6240		
.565			-.4270				
.600							-.5990
.650						-.6300	
.700	-.5210				-.5930		
.725				-.6230			
.750						-.5940	-.5730
.760			-.6730				
.775				-.6370	-.5620		
.808			-.7070				
.834	-.5760						
.850				-.6170	-.5090	-.5420	
.857			-.1170				
.865	-.5670						
.900	-.5320			-.2930			-.5510
.905			-.3010				
.950				-.1750	-.4410	-.5000	
.953			-.1770				
.965	-.1750						

MACH (2) = .900 ALPHA (3) = -5.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1310	-.3980	.1340	.3110	.2720	.2020	.1430
.050				-1.1510	-.9800	-.8210	-.6930
.081			-.3000				
.086		-.1290					
.094	-.0990						

AMES 11-FT OA12 O2A LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (3) = -5.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3660	-.8360	-.7770	-.6330
.177			-.3420				
.229	-.0350						
.246		-.1060					
.250				-.3520	-.5150	-.7000	-.5780
.362	-.0110						
.400				-.2810	-.2510		-.5150
.402			-.3380				
.497	-.2300						
.550				-.3670	-.4110		
.565			-.3660				
.600							-.4920
.650						-.4900	
.700	-.3180				-.6110		
.725				-.5590			
.750						-.5510	-.3980
.760			-.5720				
.775				-.6170	-.6710		
.808			-.5690				
.834	-.4640						
.850				-.2670	-.3210	-.2760	
.857			-.1340				
.865	-.4920						
.900	-.2270			-.1210			-.1650
.905			-.1280				
.950				-.0360	.0130	-.0180	
.953			-.0510				
.965	-.0620						

MACH (2) = .902 ALPHA (4) = .060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0240	.0240	.3600	.5520	.5040	.4850	.4200
.050				-.1510	-.2590	-.2840	-.2170
.081			.0480				
.086		.0320					
.094	.0120						
.150				-.0290	-.0630	-.0750	-.0830
.177			-.0330				
.229	.0380						
.246		.0780					
.250				-.1160	-.0520	-.0610	-.0910
.362	.0940						
.400				-.0530	-.0980		-.2480
.402			-.1080				
.497	-.0310						

AMES 11-7D7 OA12 C2A LOWER WING (RBPL46)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .912 ALPHA (4) = .060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2170	-.3110		
.565			-.2070				
.600							-.4330
.650						-.4550	
.700	-.1580				-.5420		
.725				-.4640			
.750						-.6120	-.6070
.760			-.4580				
.775				-.5500	-.6260		
.808			-.5660				
.834	-.3690						
.850				-.5390	-.2440	-.2420	
.857			-.1520				
.865	-.4170						
.900	-.4080			-.1260			-.1110
.905			-.1140				
.950				-.0160	-.0330	-.0360	
.953			-.0070				
.965	-.0500						

AMES 11-707 OA12 OEA LOWER WING (RBPL47) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = -5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4900	-.8910	-.1720	.0290	.1930	.1090	.1400
.050				-.8680	-.8840	-.9640	-.8040
.081			-.6470				
.086		-.3310					
.094	-.3200						
.150				-.3850	-.5670	-.5440	-.5000
.177			-.4040				
.229	-.2040						
.246		-.3780					
.250				-.3500	-.3740	-.3330	-.3450
.362	-.2400						
.400				-.2470	-.2820		-.3050
.402			-.2870				
.497	-.2980						
.550				-.3220	-.3590		
.565			-.3290				
.600							-.3480
.650						-.3400	
.700	-.2850				-.3710		
.725				-.3280			
.750						-.3250	-.3520
.760			-.3250				
.775				-.2820	-.3130		
.808			-.2960				
.834	-.2820						
.850				-.2420	-.2230	-.2270	
.857			-.0340				
.865	-.2630						
.900	-.1900			-.1680			-.1800
.905			-.1660				
.950				-.0560	-.0440	-.0550	
.953			-.0650				
.965	-.1030						

MACH (1) = .597 BETA (2) = -5.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3160	-.6530	-.0890	.0200	.1260	.0600	.0700
.050				-.7150	-.8320	-.8640	-.7110
.081			-.5050				
.086		-.2400					
.094	-.2170						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL47)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = -5.190

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.3580	-.4910	-.4720	-.4450
.177			-.3490				
.229	-.1400						
.246		-.2920					
.250				-.3210	-.3230	-.3050	-.3250
.362	-.1630						
.400				-.2320	-.2670		-.2930
.402			-.2590				
.497	-.2470						
.550				-.3140	-.3440		
.565			-.3030				
.600							-.3270
.650						-.3410	
.700	-.2550				-.3740		
.725				-.3290			
.750						-.3370	-.3290
.760			-.3130				
.775				-.2940	-.3220		
.808			-.2930				
.834	-.2650						
.850				-.2560	-.2320	-.2370	
.857			-.0520				
.865	-.2450						
.900	-.1940			-.1690			-.1690
.905			-.1650				
.950				-.0490	-.0390	-.0510	
.953			-.0590				
.965	-.1040						

MACH (1) = .597 BETA (3) = 5.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1010	-.2900	.0400	.0480	.0150	-.0420	-.0200
.050				-.5240	-.6370	-.7080	-.6020
.081			-.2740				
.086		-.1450					
.094	-.0730						
.150				-.2560	-.3110	-.3330	-.3580
.177			-.2440				
.229	-.0520						
.246		-.1100					
.250				-.2660	-.2370	-.2310	-.2580
.362	-.0600						
.400				-.1780	-.2150		-.2420
.402			-.2220				
.497	-.1550						

AMES 11-7D7 OA12 O2A LOWER WING (RBFL47)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2630	-.3040		
.565			-.2470				
.600							-.2760
.650						-.3060	
.700	-.1940				-.3470		
.725				-.2950			
.750						-.3060	-.2790
.760			-.2830				
.775				-.2680	-.3060		
.808			-.2530				
.834	-.2380						
.850				-.2310	-.2180	-.2090	
.857			-.0810				
.865	-.2210						
.900	-.2020			-.1440			-.1330
.905			-.1520				
.950				-.0290	-.0290	-.0240	
.953			-.0550				
.965	-.1410						

MACH (1) = .599 BETA (4) = 10.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0360	-.0970	.1300	.1330	.0800	.0260	.0260
.050				-.3870	-.4250	-.5750	-.5100
.081			-.1520				
.086		-.0480					
.094	-.0290						
.150				-.1920	-.2190	-.2640	-.2380
.177			-.1690				
.229	-.0250						
.246		-.0530					
.250				-.2030	-.1830	-.1830	-.1820
.362	-.0230						
.400				-.1360	-.1800		-.2060
.402			-.1510				
.497	-.1180						
.550				-.2200	-.2770		
.565			-.1970				
.600							-.2440
.650						-.2730	
.700	-.1620				-.3160		
.725				-.2640			
.750						-.2770	-.2590
.760			-.2480				
.775				-.2400	-.2780		

AMES 11-7X7 OA12 O2A LOWER WING (RBPL47)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = 10.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2280				
.834	-.2080						
.850				-.2100	-.1990	-.1880	
.857			-.1970				
.865	-.2060						
.900	-.1780			-.1310			-.1080
.905			-.1470				
.950				-.0120	-.0100	-.0080	
.953			-.0490				
.965	-.1130						

MACH (2) = .898 BETA (1) =-10.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.6960	.1120	.4400	.4820	.4360	.3950
.050				-1.2740	-1.3540	-1.3800	-1.3290
.081			-.5180				
.086		-.5490					
.094	-.2980						
.150				-.7180	-1.1520	-1.1840	-1.1770
.177			-.5370				
.229	-.1450						
.246		-.3560					
.250				-.4970	-.9240	-1.0190	-1.0550
.262	-.1170						
.400				-.3040	-.2810		-.8940
.402			-.3950				
.497	-.4230						
.550				-.3930	-.4000		
.565			-.4350				
.600							-.3250
.650						-.3960	
.700	-.3960				-.5530		
.725				-.5420			
.750						-.4480	-.3910
.760			-.5840				
.775				-.4770	-.5660		
.808			-.4010				
.834	-.4990						
.850				-.2020	-.2100	-.3210	
.857			-.0350				
.865	-.3700						
.900	-.1500			-.1000			-.2540
.905			-.0860				
.950				-.0080	.0240	-.0040	
.953			.0020				

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (1) =-10.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0370						

MACH (2) = .904 BETA (2) = -5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2460	-.5910	.1200	.3780	.3780	.3200	.2650
.050				-1.2410	-1.3360	-1.3810	-1.3560
.081			-.3980				
.086		-.2010					
.094	-.1800						
.150				-.7790	-1.0010	-1.1830	-1.2150
.177			-.4450				
.229	-.0880						
.246		-.1830					
.250				-.3860	-.3830	-.4610	-.8960
.362	-.0610						
.400				-.2870	-.2790		-.2580
.402			-.3750				
.497	-.3170						
.550				-.3770	-.4280		
.565			-.4040				
.600							-.3310
.650						-.4650	
.700	-.3430				-.5930		
.725				-.5760			
.750						-.5360	-.5120
.760			-.5730				
.775				-.5810	-.6250		
.808			-.6210				
.834	-.5100						
.850				-.3270	-.3560	-.4960	
.857			-.4870				
.865	-.4960						
.900	-.2140			-.1140			-.2910
.905			-.1080				
.950				-.0060	.0010	-.0060	
.953			-.0140				
.965	-.0430						

MACH (2) = .902 BETA (3) = 5.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0520	-.2370	.1530	.2420	.1570	.0840	.0050
.050				-.8160	-.8170	-.7460	-.8050
.081			-.2210				
.086		-.0990					
.094	-.0330						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL47)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = 5.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3220	-.7880	-.7310	-.7090
.177			-.2850				
.229	-.0090						
.246		-.0410					
.250				-.3260	-.3550	-.6150	-.6290
.362	.0070						
.400				-.2760	-.2700		-.4270
.402			-.3570				
.497	-.1880						
.550				-.3540	-.4310		
.565			-.3650				
.600							-.4740
.650						-.5090	
.700	-.3220				-.6140		
.725				-.5540			
.750						-.6390	-.5610
.760			-.5190				
.775				-.5940	-.6840		
.808			-.6170				
.834	-.4360						
.850				-.2240	-.2240	-.2230	
.857			-.1500				
.865	-.4580						
.900	-.2600			-.1150			-.1050
.905			-.1230				
.950				-.0560	-.0190	.0160	
.953			-.0370				
.965	-.0850						

MACH (2) = .898 BETA (4) = 10.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0100	-.0620	.1940	.2210	.0880	-.0070	-.0970
.050				-.4690	-.7090	-.9460	-.6550
.081			-.1310				
.085		-.0200					
.094	.0100						
.150				-.2500	-.5210	-.5630	-.6280
.177			-.2100				
.229	.0100						
.246		-.0160					
.250				-.3360	-.3440	-.2710	-.6320
.362	.0150						
.400				-.2520	-.2650		-.3620
.402			-.3170				
.497	-.1590						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 10.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3100	-.4020		
.565			-.3250				
.600							-.4730
.650						-.5210	
.700	-.2980				-.5820		
.725				-.5200			
.750						-.6590	-.6470
.760			-.4870				
.775				-.5230	-.6460		
.808			-.4750				
.834	-.3690						
.850				-.1960	-.1610	-.1960	
.857			-.1590				
.865	-.4320						
.900	-.2480			-.0810			-.0670
.905			-.1370				
.950				-.0220	.0070	.0170	
.953			-.0330				
.965	-.1060						

AMES 11-7D7 OA12 OEA LOWER WING (RBPL48) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4230	-1.6420	-.7830	-.6270	-.3920	-.6030	-.4390
.050				-1.4790	-1.1850	-1.4950	-1.0060
.081			-.8950				
.086		-.9290					
.094	-.8960						
.150				-.9440	-.9460	-1.2650	-.8880
.177			-.7250				
.229	-.6410						
.246		-.8690					
.250				-.7030	-.7450	-1.0300	-.7350
.362	-.4620						
.400				-.4540	-.5210		-.5670
.402			-.3830				
.497	-.4880						
.550				-.3650	-.4370		
.565			-.3520				
.600							-.4930
.650						-.3900	
.700	-.4040				-.3820		
.725				-.3080			
.750						-.3380	-.3990
.760			-.3050				
.775				-.2640	-.3240		
.808			-.2690				
.834	-.3670						
.850				-.2240	-.2600	-.2510	
.857			-.0120				
.865	-.3310						
.900	-.3250			-.1760			-.2770
.905			-.1720				
.950				-.1120	-.1400	-.1540	
.953			-.1010				
.965	-.2340						

MACH (1) = .598 BETA (2) = -5.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1160	-1.4050	-.7130	-.6600	-.5290	-.6970	-.5750
.050				-1.3960	-1.2070	-1.2810	-1.0120
.081			-.9280				
.086		-.7860					
.094	-.2790						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -5.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.8320	-.9430	-1.0930	-.8310
.177			-.6990				
.229	-.4900						
.246		-.8300					
.250				-.6130	-.7300	-.8240	-.6720
.362	-.2590						
.400				-.3820	-.4810		-.5270
.402			-.3780				
.497	-.3250						
.550				-.3560	-.4000		
.565			-.3630				
.600							-.4290
.650						-.3600	
.700	-.2840				-.3630		
.725				-.3200			
.750						-.3210	-.3600
.760			-.3150				
.775				-.2770	-.3030		
.808			-.2840				
.834	-.2790						
.850				-.2360	-.2300	-.2350	
.857			-.0290				
.865	-.2710						
.900	-.2400			-.1700			-.2480
.905			-.1780				
.950				-.0780	-.1070	-.1330	
.953			-.0910				
.965	-.1930						

MACH (1) = .597 BETA (3) = 5.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5710	-.8870	-.4700	-.7810	-.6400	-.8360	-.7450
.050				-1.3770	-1.0270	-1.2360	-.9100
.081			-.6340				
.086		-.5330					
.094	-.1910						
.150				-.4800	-.9190	-1.0190	-.7620
.177			-.4450				
.229	-.1560						
.246		-.5570					
.250				-.4000	-.7410	-.5820	-.6210
.362	-.1800						
.400				-.3060	-.3830		-.4950
.402			-.4600				
.497	-.2770						

AMES 11-707 OA12 O2A LOWER WING (RBPL48)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3120	-.3320		
.565			-.4040				
.600							-.4030
.650						-.3360	
.700	-.2630				-.3390		
.725				-.3200			
.750						-.3180	-.3400
.760			-.3220				
.775				-.2760	-.2800		
.808			-.2850				
.834	-.2850						
.850				-.2320	-.2040	-.2210	
.857			-.0570				
.865	-.2670						
.910	-.2580			-.1450			-.2200
.945			-.1950				
.950				-.0250	-.0440	-.0680	
.953			-.0830				
.965	-.1680						

MACH (1) = .999 BETA (4) = 10.120

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2780	-.5440	-.2840	-.8670	-.6230	-.8090	-.7490
.050				-.8770	-.9280	-1.1770	-.8750
.081			-.4060				
.086		-.3910					
.094	-.1010						
.150				-.4150	-.9130	-.7890	-.7970
.177			-.3930				
.229	-.1000						
.246		-.2870					
.250				-.4380	-.4480	-.4380	-.5660
.362	-.1400						
.400				-.2350	-.2600		-.4190
.402			-.3350				
.497	-.2320						
.550				-.2870	-.3100		
.565			-.2720				
.600							-.3450
.650						-.3000	
.700	-.2130				-.3170		
.725				-.3400			
.750						-.2940	-.2950
.760			-.2830				
.775				-.3280	-.2780		

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.120

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2590				
.834	-.2410						
.850				-.3040	-.2120	-.1970	
.857			-.0740				
.865	-.2720						
.900	-.2020			-.2230			-.1700
.905			-.1860				
.950				-.0790	-.0530	-.0540	
.953			-.0810				
.965	-.1400						

MACH (2) = .901 BETA (1) =-10.460

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6280	-.9250	-.2020	.1000	.1990	.1190	.0820
.050				-1.3870	-1.1900	-.9690	-.8230
.081			-.6200				
.086		-.5860					
.094	-1.0620						
.150				-1.2940	-1.1170	-.9950	-.8340
.177			-.7020				
.229	-.7870						
.246		-.5790					
.250				-1.1770	-1.0280	-.9400	-.8270
.362	-.6450						
.400				-.8460	-.8550		-.7840
.402			-.5690				
.497	-.8530						
.550				-.5240	-.7090		
.565			-.5470				
.600							-.6850
.650						-.6390	
.700	-.6580				-.6240		
.725				-.5360			
.750						-.5940	-.6250
.760			-.5910				
.775				-.5050	-.5680		
.808			-.6120				
.834	-.6530						
.850				-.4730	-.5170	-.5460	
.857			-.0170				
.865	-.4550						
.900	-.3530			-.4230			-.6100
.905			-.2940				
.950				-.3530	-.4660	-.5120	
.953			-.1980				

AMES 11-707 OA12 02A LOWER WING (RBPL48)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.460

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.2060						

MACH (2) = .899 BETA (2) = -5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7750	-.8350	-.2180	.0230	.0610	-.0140	-.0610
.050				-1.3870	-1.1730	-.9730	-.7570
.081			-.5670				
.086		-.5150					
.094	-.8670						
.150				-1.2830	-1.1200	-.9440	-.7370
.177			-.6730				
.229	-.4900						
.246		-.4550					
.250				-1.1790	-1.0490	-.8840	-.7280
.362	-.1240						
.400				-.3130	-.8830		-.6660
.402			-.5520				
.497	-.5020						
.550				-.4830	-.7450		
.565			-.4990				
.600							-.6020
.650						-.6350	
.700	-.4930				-.6590		
.725				-.5450			
.750						-.5930	-.5570
.760			-.6330				
.775				-.5740	-.5880		
.808			-.6660				
.834	-.6410						
.850				-.5660	-.5370	-.5490	
.857			-.0770				
.865	-.5910						
.900	-.3870			-.4550			-.5570
.905			-.2680				
.950				-.2910	-.4990	-.5300	
.953			-.1490				
.965	-.2420						

MACH (2) = .901 BETA (3) = 5.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4540	-.6080	-.1750	-.1720	-.1790	-.3160	-.2970
.050				-1.2940	-1.1650	-.7570	-.5620
.081			-.4390				
.086		-.3010					
.094	-.1050						

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = 5.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.5170	-1.2970	-.7120	-.6020
.177			-.5200				
.229	-.1060						
.246		-.3630					
.250				-.5170	-1.1130	-.7890	-.6040
.362	-.0550						
.400				-.3230	-.6420		-.5740
.402			-.6070				
.497	-.3550						
.550				-.4230	-.5300		
.565			-.4640				
.600							-.5480
.650						-.5600	
.700	-.5230				-.5470		
.725				-.6650			
.750						-.5400	-.5040
.760			-.6900				
.775				-.6200	-.5510		
.808			-.7710				
.834	-.5080						
.850				-.3580	-.4460	-.4920	
.857			-.1300				
.865	-.5980						
.900	-.3500			-.2220			-.4680
.905			-.2420				
.950				-.1410	-.3250	-.4310	
.953			-.1460				
.965	-.1490						

MACH (2) = .900 BETA (4) = 10.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1990	-.4630	-.1230	-.2200	-.2930	-.4580	-.4220
.050				-1.2660	-1.1320	-.8860	-.5580
.081			-.3360				
.086		-.3190					
.094	-.0500						
.150				-.4610	-1.2710	-.8070	-.5680
.177			-.4670				
.229	-.0420						
.246		-.1870					
.250				-.5170	-1.2180	-.7910	-.5600
.362	-.0490						
.400				-.4710	-.1150		-.5530
.402			-.5670				
.497	-.3170						

AMES 11-7D7 OA12 O2A LOWER WING (RBPL48)

SECTION (1)LOWER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 10.300

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.3670	-.4910		
.565			-.5090				
.600							-.5030
.650						-.4770	
.700	-.4940				-.5750		
.725				-.6220			
.750						-.4770	-.4560
.760			-.5600				
.775				-.4490	-.5450		
.808			-.5030				
.834	-.4110						
.850				-.2720	-.3550	-.4340	
.857			-.1430				
.865	-.4970						
.900	-.2760			-.1850			-.4270
.905			-.2260				
.950				-.1110	-.1360	-.3670	
.953			-.0980				
.965	-.1490						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU01) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) = -4.410

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1270	-.2830	.0850	.1760	.1860	.1290	.1380
.050				.1730	.1500	.1170	.1020
.081			.1460				
.086		.0800					
.094	.0950						
.150				-.1020	-.1650	-.2070	-.2280
.177			-.0130				
.229	.0930						
.246		.0690					
.250				-.2290	-.2770	-.2880	-.2920
.362	.0370						
.400				-.2880	-.3350		-.3760
.402			-.2260				
.497	-.0360						
.550				-.2160	-.2490		
.565			-.1650				
.600							-.2130
.650						-.1410	
.700	-.1090				-.0930		
.725				-.0490			
.750						-.0090	-.0220
.760			-.0060				
.775				.0320	.0150		
.808			.0350				
.834	-.0030						
.850				.0690	.0760	.0890	
.857			.0480				
.865	.0110						
.900	.0520			.0810			.1120
.905			.0590				
.950				.1040	.1190	.1280	
.953			.0630				
.965	.0350						

MACH (1) = .999 ALPHA (2) = .030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0310	.0100	.3030	.5020	.4670	.4650	.3790
.050				-.1970	-.2430	-.3310	-.3360
.081			-.1740				
.086		.0320					
.094	.0330						

AMES 11-7ft OA12 OA UPPER WING (RBPUU1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (2) = .030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3540	-.4440	-.5450	-.5650
.177			-.2500				
.229	-.0050						
.246		-.1020					
.250				-.4220	-.4910	-.5090	-.4970
.362	-.0930						
.400				-.4120	-.4640		-.4990
.402			-.3330				
.497	-.1700						
.550				-.2610	-.3020		
.565			-.2200				
.600							-.2540
.650						-.1690	
.700	-.1800				-.1080		
.725				-.0590			
.750						-.0190	-.0320
.760			-.0260				
.775				.0260	.0110		
.808			.0220				
.834	-.0250						
.850				.0680	.0760	.0890	
.857			.0510				
.865	-.0010						
.900	.0380			.0830			.1100
.905			.0650				
.950				.1060	.1260	.1300	
.953			.0780				
.965	.0380						

MACH (1) = .600 ALPHA (3) = 5.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3680	-.3130	-.0110	.1530	.1060	-.0940	-.5900
.050				-.7920	-.9050	-1.1060	-1.1460
.081			-.6990				
.086		-.1180					
.094	-.0660						
.150				-.6860	-.8370	-1.0070	-1.0100
.177			-.5280				
.229	-.1050						
.246		-.3420					
.250				-.6490	-.7480	-.7920	-.7640
.362	-.2660						
.400				-.5000	-.5910		-.6550
.402			-.4170				
.497	-.3190						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU01)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 ALPHA (3) = 5.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2970	-.3480		
.565			-.2560				
.600							-.3500
.650						-.2110	
.700	-.2140				-.1210		
.725				-.0690			
.750						-.0570	-.1080
.760			-.0600				
.775				.0030	-.0120		
.808			-.0120				
.834	-.0310						
.850				[illegible]	.0550	.0510	
.857			.0240				
.865	-.0020						
.900	.0500			.0730			.0470
.905			.0490				
.950				.0980	.1120	.1020	
.953			.0720				
.965	.0500						

MACH (2) = .800 ALPHA (4) = 10.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4990	-.4850	-.7430	-.7510	-.9860	-1.2090	-1.7410
.050				-1.2570	-1.6750	-2.3920	-1.7630
.081			-.9240				
.086		-.3180					
.094	-.7010						
.150				-.9450	-1.1990	-1.3940	-1.4810
.177			-.7390				
.229	-.3340						
.246		-.6380					
.250				-.7640	-.9590	-1.0330	-1.1050
.362	-.5250						
.400				-.5550	-.6530		-.7810
.402			-.5080				
.497	-.5280						
.550				-.3880	-.3880		
.565			-.3590				
.600							-.5020
.650						-.2650	
.700	-.2700				-.1830		
.725				-.1600			
.750						-.1490	-.3180
.760			-.2050				
.775				-.0530	-.1000		

AMES 11-707 OA12 OEA UPPER WING (RBPU:1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .640 ALPHA (4) = 10.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1480				
.834	-.0710						
.850				.0150	-.0430	-.0600	
.857			-.1250				
.865	-.0230						
.900	.0370			.0470			-.1690
.905			-.0870				
.950				.0850	.0280	.0020	
.953			-.0450				
.965	.0500						

MACH (1) = .998 ALPHA (5) = 15.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8110	-.6260	-1.3380	-1.6160	-1.4870	-1.3270	-1.1640
.050				-2.0750	-1.3120	-.8690	-.8040
.081			-1.1220				
.086		-.6910					
.094	-.9090						
.150				-1.5440	-1.1770	-.9020	-.7830
.177			-.8720				
.229	-.9070						
.246		-.9840					
.250				-1.0110	-1.0260	-.8940	-.7750
.362	-.9490						
.400				-.8030	-.8950		-.7640
.402			-.6730				
.497	-.7710						
.550				-.6810	-.8270		
.565			-.6560				
.600							-.7330
.650						-.7600	
.700	-.4670				-.7360		
.725				-.5350			
.750						-.7280	-.7040
.760			-.5870				
.775				-.4280	-.6550		
.808			-.5060				
.834	-.2830						
.850				-.3630	-.5880	-.6760	
.857			-.4570				
.865	-.1890						
.900	-.0920			-.3130			-.6700
.905			-.3620				
.950				-.2330	-.3880	-.6100	
.953			-.2450				

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHA (5) = 15.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0040						

MACH (1) = .599 ALPHA (6) = 20.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1910	-.9520	-2.0210	-2.3230	-1.5240	-1.2660	-1.1150
.050				-1.9500	-1.3370	-1.1760	-1.0670
.081			-1.3040				
.086		-1.0540					
.094	-1.1660						
.150				-1.6810	-1.3150	-1.1580	-1.0700
.177			-1.2690				
.229	-1.5270						
.246		-1.2380					
.250				-1.3740	-1.2680	-1.1590	-1.0540
.362	-1.3100						
.400				-1.2180	-1.1890		-1.0440
.442			-1.0860				
.497	-1.1160						
.550				-1.0430	-1.1090		
.565			-1.1650				
.600							-1.0670
.650						-1.0500	
.700	-.5800				-.9470		
.725				-.8190			
.750						-.9610	-.9610
.760			-.7300				
.775				-.7390	-.8190		
.808			-.5090				
.834	-.1520						
.850				-.6600	-.7240	-.8440	
.857			-.3620				
.865	-.0600						
.900	-.0220			-.5710			-.8530
.905			-.2000				
.950				-.5130	-.5340	-.6740	
.953			-.1150				
.965	.0230						

MACH (1) = .597 ALPHA (7) = 22.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3940	-1.1360	-2.3330	-1.8580	-1.5210	-1.3770	-1.2240
.050				-1.6640	-1.4200	-1.3230	-1.1340
.081			-1.4390				
.086		-1.2170					
.094	-1.3530						

AMES 11-7FT OA12 OEA UPPER WING (RBPUU1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 ALPHA (7) = 22.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.5810	-1.4420	-1.3060	-1.1430
.177			-1.4880				
.229	-1.7990						
.246		-1.3500					
.250				-1.5350	-1.3820	-1.2830	-1.1420
.362	-1.4560						
.400				-1.3680	-1.3060		-1.1510
.402			-1.3310				
.497	-1.2740						
.550				-1.1210	-1.1840		
.565			-1.2940				
.600							-.9890
.650						-1.0080	
.700	-.4980				-.8890		
.725				-.8710			
.750						-.8470	-.8570
.760			-.5680				
.775				-.8150	-.7780		
.808			-.4280				
.834	-.1880						
.850				-.7050	-.7540	-.7360	
.857			-.4190				
.865	-.1500						
.914	-.0420			-.5970			-.6910
.905			-.3350				
.950				-.5280	-.6410	-.6640	
.953			-.2420				
.965	-.0520						

MACH (2) = .906 ALPHA (1) = -4.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0740	-.2530	.2040	.3750	.3250	.2800	.2400
.050				.2340	.1910	.1420	.1030
.081			.2110				
.086		.1040					
.094	.1090						
.150				-.0370	-.1200	-.2330	-.3030
.177			.0420				
.229	.0820						
.246		.1220					
.250				-.2090	-.3030	-.2930	-.4390
.362	.0860						
.400				-.3350	-.4200		-.6070
.402			-.2330				
.497	.0150						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .905 ALPHA (1) = -4.560

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3810	-.5200		
.565			-.3020				
.600							-.7830
.650						-.5930	
.700	-.2040				-.3510		
.725				-.1970			
.750						-.0740	-.0980
.760			-.1190				
.775				.0000	-.0230		
.808			-.0100				
.834	-.1860						
.850				.0680	.0640	.0620	
.857			.0360				
.865	-.0560						
.900	.0110			.0950			.0960
.905			.0500				
.950				.1020	.1400	.1380	
.953			.0400				
.965	.0040						

MACH (2) = .901 ALPHA (2) = -.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0250	.0290	.3610	.5570	.5110	.4930	.4310
.050				-.1020	-.1220	-.2090	-.2370
.081			-.1020				
.086		.0620					
.094	.0650						
.150				-.3120	-.4230	-.5640	-.6620
.177			-.1730				
.229	.0250						
.246		-.0340					
.250				-.4440	-.5700	-.6190	-.7270
.362	-.0380						
.400				-.4510	-.5720		-.7720
.402			-.3680				
.497	-.1320						
.550				-.4470	-.6150		
.565			-.3780				
.600							-.8500
.650						-.6750	
.700	-.2790				-.5200		
.725				-.3900			
.750						-.1610	-.2130
.760			-.2750				
.775				-.0380	-.0980		

AMES 11-707 OA12 OEA UPPER WING (RBPUU1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (2) = -.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0540				
.834	-.3050						
.850				.0460	.0410	-.0230	
.857			.0260				
.865	-.0750						
.900	-.0150			.0850			-.0330
.905			.0560				
.950				.1010	.1110	.0860	
.953			.0640				
.965	.0380						

MACH (2) = .904 ALPHA (3) = 4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3140	-.2400	.1630	.3890	.2840	.2630	-.0560
.050				-.7540	-.8880	-.9350	-.9470
.081			-.4680				
.086		-.0450					
.094	-.0870						
.150				-.6990	-.7720	-.9270	-1.0710
.177			-.5290				
.229	-.0570						
.246		-.2150					
.250				-.7220	-.8930	-1.0080	-1.0790
.362	-.1720						
.400				-.7270	-.9060		-.5760
.402			-.5460				
.497	-.3730						
.550				-.5440	-.6680		
.565			-.4580				
.600							-.5960
.650						-.3970	
.700	-.3630				-.2410		
.725				-.1480			
.750						-.4040	-.5990
.760			-.1720				
.775				-.0750	-.1700		
.808			-.0660				
.834	-.2860						
.850				-.0190	-.1040	-.3400	
.857			.0180				
.865	-.0600						
.900	.0260			.0290			-.5500
.905			.0610				
.950				.0620	-.0250	-.1950	
.953			.0760				

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 ALPHA (3) = 4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0650						

MACH (2) = .906 ALPHA (4) = 9.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4450	-.3140	-.2830	.0010	-.0810	-.1570	-.6230
.050				-1.2910	-1.2820	-1.2450	-.6290
.081			-.5480				
.086		-.3500					
.094	-.5650						
.150				-1.1040	-1.0180	-.9770	-.6470
.177			-.6980				
.229	-.2780						
.246		-.3990					
.250				-.9500	-.9050	-.8120	-.6340
.362	-.2910						
.400				-.6540	-.7700		-.6350
.402			-.8630				
.497	-.6160						
.550				-.5750	-.6740		
.565			-.3120				
.600							-.6230
.650						-.6430	
.700	-.2580				-.6210		
.725				-.4450			
.750						-.6280	-.6140
.760			-.3850				
.775				-.3500	-.5830		
.808			-.3570				
.834	-.3950						
.850				-.2830	-.5530	-.6040	
.857			-.2560				
.865	-.3200						
.900	-.1390			-.2020			-.5910
.905			-.1990				
.950				-.1350	-.4810	-.5700	
.953			-.1440				
.965	-.0190						

MACH (2) = .901 ALPHA (5) = 14.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9030	-.4960	-.7400	-.4840	-.5030	-.6180	-.9420
.050				-.9700	-.8230	-.7960	-.7590
.081			-.6930				
.086		-.4870					
.094	-.5880						

AMES 11-7X7 OA12 O2A UPPER WING (RBPU01)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (5) = 14.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9310	-.8230	-.7680	-.7550
.177			-.8010				
.229	-.7080						
.246		-.9950					
.250				-.8670	-.8190	-.7680	-.7600
.362	-.5780						
.400				-.8120	-.7940		-.7660
.402			-.6240				
.497	-.7530						
.550				-.7780	-.7770		
.565			-.7740				
.600							-.7600
.650						-.7600	
.700	-.4330				-.7620		
.725				-.7380			
.750						-.7540	-.7450
.760			-.8460				
.775				-.7110	-.7430		
.808			-.8840				
.834	-.6080						
.850				-.6270	-.7450	-.7430	
.857			-.7000				
.865	-.6340						
.900	-.4720			-.5300			-.7400
.905			-.4960				
.950				-.4680	-.7100	-.7370	
.953			-.3960				
.965	-.1190						

MACH (2) = .900 ALPHA (6) = 20.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1010	-.8360	-1.0860	-.8750	-.8920	-.9770	-1.0040
.050				-.9500	-.9240	-.9200	-.8590
.081			-.7630				
.086		-.6920					
.094	-1.0980						
.150				-.9510	-.9310	-.9300	-.8590
.177			-.8810				
.229	-1.0520						
.246		-.7650					
.250				-.9500	-.9370	-.9590	-.8530
.362	-.8120						
.400				-.9580	-.9260		-.8750
.402			-.9730				
.497	-.9510						

AMES 11-707 OA12 O2A UPPER WING (RBPU01)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (6) = 20.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.9110	-.9050		
.565			-.8470				
.600							-.8760
.650						-.8890	
.700	-.5130				-.8810		
.725				-.8250			
.750						-.8710	-.8600
.760			-.7490				
.775				-.8010	-.8810		
.808			-.5360				
.834	-.5420						
.850				-.8110	-.8580	-.8680	
.857			-.5210				
.865	-.3480						
.900	-.2650			-.6990			-.8590
.905			-.5380				
.950				-.5110	-.7950	-.8690	
.953			-.4855				
.965	-.2520						

MACH (2) = .902 ALPHA (7) = 25.040

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.040	-1.2110	-.8480	-1.2220	-1.0670	-.8680	-.6740	-.5510
.050				-1.0600	-.8200	-.6570	-.5310
.081			-.8600				
.086		-.9660					
.094	-1.2900						
.150				-1.0130	-.7690	-.6440	-.5350
.177			-.7960				
.229	-1.1750						
.246		-.8630					
.250				-.8490	-.7690	-.6200	-.5330
.362	-.8280						
.400				-.7140	-.6510		-.5530
.402			-.7500				
.497	-.6810						
.550				-.5890	-.6070		
.565			-.5760				
.600							-.5610
.650						-.5810	
.700	-.5020				-.5510		
.725				-.5830			
.750						-.5590	-.5450
.760			-.5200				
.775				-.5350	-.5490		

AMES 11-707 OA12 OEA UPPER WING (RBPUD1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 ALPHA (7) = 25.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5030				
.834	-.3820						
.850				-.5270	-.5530	-.5420	
.857			-.4960				
.865	-.4070						
.900	-.3840			-.5250			-.5490
.905			-.4770				
.950				-.4950	-.5410	-.5430	
.953			-.4240				
.965	-.3280						

AMES 11-707 OA12 02A UPPER WING (RBPUU2) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) =-10.010

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0040	-.0470	.3670	.6220	.6380	.6380	.6160
.050				-.0430	-.0790	-.1730	-.1850
.081			-.0530				
.086		.1420					
.094	.1370						
.150				-.2730	-.3720	-.4820	-.5130
.177			-.1670				
.229	.0820						
.246		-.0120					
.250				-.3480	-.4250	-.4880	-.4700
.362	-.0090						
.400				-.2880	-.3950		-.4560
.402			-.2050				
.497	-.0750						
.550				-.1550	-.2290		
.565			-.0780				
.600							-.2110
.650						-.1280	
.700	-.0080				-.0480		
.725				.0270			
.750						.0140	-.0270
.760			.0820				
.775				.1010	.0610		
.808			.1140				
.834	.0980						
.850				.1300	.1130	.1140	
.857			.1170				
.865	.1080						
.910	.1300			.1300			.1160
.905			.1140				
.950				.1320	.1440	.1410	
.953			.1050				
.965	.0920						

MACH (1) = .900 BETA (2) = -4.980

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0110	.0110	.3440	.5680	.5560	.5560	.5050
.050				-.1450	-.1710	-.2610	-.2580
.081			-.1390				
.086		.0720					
.094	.0730						

AMES 11-7D7 OA12 OEA UPPER WING (RBPUU2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -4.960

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3320	-.4200	-.5210	-.5430
.177			-.2270				
.229	.0240						
.246		-.0830					
.250				-.3980	-.4880	-.4950	-.4900
.362	-.0680						
.400				-.3530	-.4350		-.4680
.402			-.2680				
.497	-.1360						
.550				-.2140	-.2740		
.565			-.1500				
.600							-.2350
.650						-.1510	
.700	-.0870				-.0790		
.725				-.0430			
.750						.0010	-.0340
.760			.0290				
.775				.0660	.0330		
.808			.0890				
.834	.0350						
.850				.0980	.0800	.1040	
.857			.0810				
.865	.0490						
.900	.0840			.1110			.1110
.905			.0900				
.950				.1200	.1330	.1370	
.953			.0920				
.965	.0880						

MACH (1) = .598 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1140	-.0270	.2430	.4180	.3630	.3560	.2530
.050				-.2400	-.2950	-.3690	-.4000
.081			-.2110				
.088		.0040					
.094	.0110						
.150				-.3700	-.4640	-.5520	-.5530
.177			-.2560				
.229	-.0200						
.246		-.1200					
.250				-.4420	-.5000	-.5160	-.4950
.362	-.1100						
.400				-.4280	-.4770		-.4820
.402			-.3650				
.497	-.1780						

AMES 11-707 OA12 02A UPPER WING (RBPUU2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3020	-.3230		
.565			-.2720				
.600							-.2540
.650						-.1810	
.700	-.2180				-.1250		
.725				-.0960			
.750						-.0310	-.0270
.760			-.0590				
.775				-.0070	-.0080		
.808			-.0150				
.834	-.0740						
.850				.0450	.0630	.0820	
.857			.0210				
.865	-.0460						
.900	-.0010			.0890			.1120
.905			.0360				
.950				.0950	.1200	.1250	
.953			.0580				
.965	.0090						

MACH (1) = .900 BETA (4) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2130	-.0840	.1220	.3020	.2350	.2210	.0960
.050				-.3180	-.3750	-.4510	-.4630
.081			-.2420				
.086		-.0180					
.094	-.0140						
.150				-.4000	-.4990	-.5780	-.5660
.177			-.2700				
.229	-.0280						
.246		-.1320					
.250				-.4600	-.5170	-.5330	-.4960
.362	-.1070						
.400				-.4610	-.4860		-.4860
.402			-.4000				
.497	-.2010						
.550				-.3360	-.3430		
.565			-.3120				
.600							-.2460
.650						-.1890	
.700	-.2760				-.1470		
.725				-.1230			
.750						-.0380	-.0320
.760			-.1010				
.775				-.0340	-.0210		

AMES 11-7U7 OA12 02A UPPER WING (RBPUU2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0460				
.834	-.1130						
.850				.0170	.0480	.0710	
.857			-.0070				
.865	-.0760						
.900	-.0310			.0470			.1070
.905			.0140				
.950				.0780	.1100	.1220	
.953			.0430				
.965	-.0080						

MACH (2) = .904 BETA (1) =-10.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0060	-.0380	.4480	.7040	.6980	.6870	.6630
.050				.0440	.0280	-.0490	-.0550
.081			.0210				
.086		.1610					
.094	.1520						
.150				-.2690	-.3550	-.4860	-.5700
.177			-.1360				
.229	.1050						
.246		.0440					
.250				-.4420	-.5690	-.5930	-.7200
.362	.0500						
.400				-.4200	-.5870		-.7480
.402			-.2640				
.497	-.0790						
.550				-.2520	-.4480		
.565			-.1350				
.600							-.3140
.650						-.0440	
.700	-.0490				.0150		
.725				.0670			
.750						.0970	.0770
.780			.0930				
.775				.1420	.1210		
.808			.1350				
.834	.0940						
.850				.1730	.1650	.1780	
.857			.1600				
.865	.1300						
.900	.1640			.1680			.1670
.905			.1560				
.950				.1460	.1470	.1550	
.953			.1360				

AMES 11-707 OA12 02A UPPER WING (RBPUU2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.1160						

MACH (2) = .901 BETA (2) = -5.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0230	.0300	.4170	.6370	.6050	.5910	.5580
.050				-.0470	-.0630	-.1400	-.1440
.081			-.0670				
.086		.0980					
.094	.1000						
.150				-.3320	-.4070	-.5300	-.6250
.177			-.1710				
.229	.0550						
.246		-.0130					
.250				-.4670	-.5780	-.6200	-.7610
.362	-.0120						
.400				-.4440	-.6290		-.7790
.402			-.3150				
.497	-.1290						
.550				-.3390	-.5570		
.565			-.2710				
.600							-.4230
.650						-.1730	
.700	-.1840				-.0380		
.725				-.0110			
.750						.0370	-.0950
.760			.0110				
.775				.0730	.0800		
.808			.0670				
.834	-.0230						
.850				.1210	.1410	.1610	
.857			.1100				
.865	.0540						
.900	.0970			.1330			.1660
.905			.1190				
.950				.1310	.1300	.1410	
.953			.1090				
.965	.0730						

MACH (2) = .903 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1130	-.0020	.2920	.4710	.4110	.3950	.3180
.050				-.1370	-.1700	-.2530	-.3160
.081			-.1170				
.086		.0400					
.094	.0450						

AMES 11-707 OA12 O2A UPPER WING (RBPUU2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = 5.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2830	-.4190	-.5750	-.6760
.177			-.1610				
.229	.0250						
.246		-.0420					
.250				-.4240	-.5290	-.5680	-.7270
.362	-.0380						
.400				-.4490	-.5520		-.7120
.402			-.3690				
.497	-.1230						
.550				-.4900	-.6230		
.565			-.4220				
.600							-.8610
.650						-.7690	
.700	-.3230				-.7000		
.725				-.5850			
.750						-.2610	-.2590
.760			-.4830				
.775				-.2910	-.2880		
.818			-.3080				
.834	-.4140						
.850				-.0740	-.0940	-.1540	
.857			-.0840				
.865	-.3130						
.900	-.1880			.0140			-.1070
.905			-.0080				
.950				.0570	.0480	-.0020	
.953			.0290				
.965	-.0120						

MACH (2) = .906 BETA (4) = 10.500

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1410	-.0290	.1900	.3720	.3040	.2940	.1890
.050				-.1910	-.2140	-.3100	-.3760
.081			-.1110				
.088		.0090					
.094	-.0040						
.150				-.2850	-.4240	-.5750	-.6440
.177			-.1520				
.229	.0290						
.246		-.0310					
.250				-.4130	-.4880	-.5360	-.6750
.362	-.0250						
.400				-.4450	-.5500		-.7260
.402			-.3370				
.497	-.1190						

MACH (2) = .905 BETA (4) = 10.500

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4950	-.6250		
.565			-.4290				
.600							-.0510
.650						-.7710	
.700	-.3330				-.7250		
.725				-.6140			
.750						-.2770	-.2740
.760			-.5180				
.775				-.3480	-.3060		
.606			-.3690				
.634	-.4530						
.850				-.1430	-.1440	-.1450	
.857			-.2110				
.865	-.3900						
.900	-.2580			-.0540			-.1250
.905			-.0808				
.950				.0190	.0010	-.0060	
.953			-.0110				
.965	-.0450						

AMES 11-707 OA12 OEA UPPER WING (RBPUL3) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.0490 INCHES YMRP = .0000 INCHES
BREF = 30.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .396 BETA (1) =-10.080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0220	.0680	.3450	.5650	.4290	.3880	-.0010
.050				-.6180	-.7140	-.9220	-.9260
.081			-.5630				
.086		-.0050					
.094	.0470						
.150				-.6190	-.7790	-.9590	-1.0050
.177			-.4840				
.229	-.0300						
.246		-.2750					
.250				-.5750	-.6890	-.7460	-.7920
.362	-.1780						
.400				-.4050	-.5280		-.6580
.402			-.2910				
.497	-.2100						
.550				-.1870	-.2790		
.565			-.1070				
.800							-.3350
.650						-.1670	
.700	-.0470				-.0600		
.725				.0280			
.750						-.0140	-.0980
.780			.0580				
.775				.0960	.0460		
.806			.0900				
.834	.0830						
.850				.1300	.1050	.0910	
.857			.1010				
.885	.1050						
.900	.1410			.1370			.0540
.905			.1040				
.950				.1450	.1430	.1300	
.953			.1040				
.965	.1050						

MACH (2) = .900 BETA (2) = -4.980

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1740	-.1230	.1670	.3680	.2240	.1530	-.2930
.050				-.7210	-.8300	-1.0040	-1.0220
.081			-.6530				
.086		-.0780					
.094	-.0160						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -4.990

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.6570	-.8140	-.9910	-1.0320
.177			-.5080				
.229	-.0790						
.246		-.3380					
.250				-.6180	-.7220	-.7650	-.7390
.362	-.2370						
.400				-.4570	-.5990		-.6610
.402			-.3570				
.497	-.2730						
.550				-.2480	-.3180		
.565			-.1840				
.600							-.3430
.650						-.1820	
.700	-.1370				-.0940		
.725				-.0180			
.750						-.0290	-.1080
.760			.0080				
.775				.0510	.0180		
.808			.0450				
.834	.0340						
.850				.0680	.0790	.0730	
.857			.0650				
.868	.0470						
.900	.1000			.1070			.0420
.905			.0790				
.950				.1240	.1280	.1160	
.953			.0980				
.965	.0840						

MACH (1) = .599 BETA (3) = 5.190

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3510	-.2890	-.1890	-.0440	-.2130	-.3220	-.9280
.050				-.7830	-.9230	-1.1370	-1.1000
.081			-.6390				
.086		-.1480					
.094	-.2880						
.150				-.6790	-.8380	-.9870	-.9940
.177			-.4810				
.229	-.1080						
.246		-.3370					
.250				-.6530	-.7500	-.7800	-.7550
.362	-.2990						
.400				-.5210	-.5940		-.6410
.402			-.4700				
.497	-.3210						

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AMES 11-707 OA12 02A UPPER WING (RBPUL3)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = 5.190

Y/BW	.293	.364	.427	.554	.673	.780	.887
X/CW							
.550				-.3910	-.3710		
.565			-.3280				
.600							-.3480
.650						-.2220	
.700	-.2950				-.1480		
.725				-.1240			
.750						-.0720	-.1210
.760			-.1270				
.775				-.0430	-.0350		
.808			-.0720				
.834	-.0980						
.850				.0040	.0310	.0360	
.857			-.0370				
.865	-.0640						
.900	-.0120			.0360			.0280
.916			-.0080				
.950				.0080	.0890	.0820	
.953			.0310				
.985	.0120						

MACH (1) = .900 BETA (4) = 10.300

Y/BW	.299	.364	.427	.554	.673	.780	.887
X/CW							
.040	-.3850	-.2370	-.3370	-.3410	-.4580	-.6760	-1.4290
.060				-.8020	-.9050	-1.1360	-1.1540
.081			-.4910				
.086		-.2280					
.104	-.3800						
.150				-.6700	-.8410	-.9700	-.9870
.177			-.4980				
.229	-.1030						
.246		-.4220					
.250				-.8250	-.7480	-.7750	-.7400
.302	-.2480						
.400				-.5150	-.5870		-.6240
.402			-.5050				
.497	-.3570						
.550				-.3980	-.3820		
.565			-.4220				
.600							-.3410
.650						-.2080	
.700	-.3200				-.1500		
.725				-.1810			
.750						-.0740	-.1200
.760			-.1210				
.775				-.0880	-.0870		

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 10.300

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.818			-.0820				
.834	-.1450						
.850				-.0400	.0030	.0180	
.857			-.0280				
.865	-.0880						
.900	-.0380			-.0150			.0110
.905			.0050				
.950				.0060	.0700	.0710	
.953			.0340				
.965	-.0010						

MACH (2) = .904 BETA (1) =-10.210

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	.0120	.0080	.4650	.7100	.6380	.6300	.4080
.050				-.5810	-.5730	-.6210	-.6150
.081			-.3980				
.086		.0510					
.094	.0810						
.150				-.6280	-.7310	-.7740	-.8990
.177			-.4780				
.229	.0300						
.246		-.1880					
.250				-.7320	-.9130	-.9870	-1.0180
.382	-.0880						
.400				-.8430	-1.0280		-.9160
.402			-.6580				
.497	-.2490						
.550				-.2160	-.5050		
.565			-.1670				
.810							-.6020
.850						-.3830	
.700	-.1100				-.1090		
.725				.0380			
.750						-.2660	-.5150
.780			.0740				
.775				.1230	.0530		
.808			.1190				
.834	.0980						
.850				.1650	.1220	-.1510	
.857			.1550				
.865	.1410						
.900	.1840			.1730			-.3160
.905			.1660				
.950				.1650	.1780	-.0490	
.953			.1550				

AMES 1-707 OA12 OBA UPPER WING (REPUN3)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .914 BETA (1) =-10.210

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.988	.1400						

MACH (2) = .900 BETA (2) = -5.070

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.2030	-.0780	.3110	.5570	.4580	.4420	.1780
.090				-.7080	-.6400	-.8290	-.7720
.091			-.4490				
.096		-.0180					
.094	.0210						
.150				-.7140	-.7720	-.8080	-1.1040
.177			-.5340				
.229	-.0250						
.246		-.2150					
.250				-.7300	-.9240	-1.0250	-1.0970
.382	-.1490						
.400				-.8450	-1.0240		-.6340
.402			-.8830				
.497	-.3480						
.550				-.4430	-.5520		
.565			-.3080				
.800							-.5070
.650						-.3050	
.700	-.2080				-.1400		
.725				-.0930			
.750						-.2700	-.5020
.760			-.0080				
.775				.0440	-.0820		
.808			.0410				
.834	-.0120						
.850				.0850	.0160	-.1980	
.857			.0840				
.880	.0360						
.900	.1140			.1050			-.4980
.905			.1140				
.950				.1190	.0880	-.1110	
.953			.1080				
.985	.0880						

MACH (2) = .800 BETA (3) = 5.290

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.2980	-.1680	-.0180	.2180	.1000	.0810	-.3100
.090				-.8270	-1.0180	-1.0740	-1.0870
.091			-.4450				
.096		-.0780					
.094	-.2700						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = 5.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.8550	-.7350	-.8230	-1.0620
.177			-.4400				
.229	-.0350						
.246		-.1970					
.250				-.6220	-.8180	-.9740	-.8120
.362	-.1430						
.400				-.6220	-.8290		-.8020
.402			-.4840				
.497	-.3300						
.550				-.5850	-.7420		
.565			-.5080				
.600							-.6180
.650						-.5170	
.700	-.4040				-.3400		
.725				-.3750			
.750						-.4720	-.6020
.760			-.5080				
.775				-.2150	-.2480		
.808			-.1950				
.834	-.4470						
.850				-.0870	-.1740	-.3680	
.857			-.0980				
.865	-.2700						
.900	-.1420			-.0230			-.5480
.905			-.0450				
.950				.0270	-.0630	-.2250	
.953			-.0010				
.965	-.0030						

MACH (2) = .904 BETA (4) = 10.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3570	-.1840	-.1370	.0080	-.1080	-.1800	-.5680
.050				-.6890	-1.1550	-1.2050	-.9380
.081			-.3320				
.088		-.1430					
.094	-.3510						
.150				-.6140	-.7480	-.8580	-.7810
.177			-.4320				
.229	-.0430						
.246		-.2870					
.250				-.5910	-.7730	-.8880	-.7260
.362	-.1200						
.400				-.5670	-.7470		-.6920
.402			-.5090				
.497	-.2840						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPULS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .914 BETA (4) = 10.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3870	-.5500		
.565			-.5420				
.600							-.6570
.650						-.5650	
.700	-.4140				-.4550		
.725				-.4020			
.750						-.4790	-.5680
.760			-.5620				
.775				-.2700	-.2990		
.790			-.2880				
.834	-.4870						
.850				-.1590	-.2010	-.3620	
.857			-.1380				
.885	-.3770						
.910	-.2380			-.0810			-.4630
.905			-.0880				
.950				-.0270	-.0780	-.2200	
.953			-.0080				
.965	-.0420						

AMES 11-707 OA12 OEA UPPER WING (RBPUb4) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5340 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0304 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) =-10.110

Y/B / X/C	.290	.384	.427	.534	.673	.780	.887
.000	-.4520	-.6080	-.2620	-.1080	-.4290	-.6190	-1.3040
.050				-1.2980	-1.9000	-2.6010	-2.7780
.081			-1.3280				
.098		-.2570					
.094	-.0870						
.150				-.9080	-1.2150	-1.4220	-1.3870
.177			-.7920				
.229	-.1430						
.246		-.3710					
.250				-.7010	-.9180	-.9080	-1.0450
.382	-.3680						
.400				-.4570	-.6120		-.7920
.402			-.3790				
.497	-.3680						
.550				-.2190	-.2940		
.585			-.2310				
.800							-.4620
.830						-.2150	
.700	-.1350				-.0980		
.725				-.0700			
.750						-.0870	-.2240
.780			-.0080				
.775				.0080	-.0280		
.808			.0850				
.834	.0850						
.850				.0530	.0270	-.0070	
.857			.1330				
.865	.1020						
.900	.1560			.0680			-.0780
.905			.1580				
.950				.0780	.0780	.0410	
.953			.1580				
.965	.1080						

MACH (1) = .900 BETA (2) = -5.080

Y/B / X/C	.299	.364	.427	.534	.673	.780	.887
.040	-.4480	-.5860	-.5870	-.5240	-.7350	-.9460	-1.7210
.050				-1.6590	-1.9050	-2.6060	-1.9460
.081			-1.3130				
.086		-.2910					
.094	-.3980						

AMES 11-7ft OA12 OEA UPPER WING (RDPUD4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .588 BETA (2) = -5.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.0120	-1.2120	-1.4110	-1.5090
.177			-.7130				
.229	-.2810						
.246		-.5640					
.250				-.8080	-.9410	-1.0080	-1.1170
.362	-.5020						
.400				-.9080	-.8380		-.7900
.402			-.8050				
.497	-.5370						
.550				-.3080	-.3530		
.565			-.2580				
.600							-.5050
.650						-.2540	
.700	-.2230				-.1910		
.725				-.1150			
.750						-.1400	-.3110
.760			.0040				
.775				-.0810	-.0820		
.808			.0470				
.834	-.0140						
.850				-.0980	-.0070	-.0610	
.857			.0790				
.865	.0110						
.900	.0780			-.0020			-.1580
.905			.0820				
.950				.0330	.0840	.0150	
.953			.1020				
.965	.0710						

MACH (1) = .906 BETA (3) = 9.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8080	-.4370	-.8410	-1.0870	-1.2980	-1.5980	-2.3330
.050				-1.2820	-1.6840	-2.0630	-1.9070
.081			-.8080				
.088		-.4430					
.094	-.7950						
.150				-.8910	-1.2710	-1.3280	-1.8940
.177			-.7140				
.229	-.3980						
.246		-.7000					
.250				-.7700	-1.0800	-1.0880	-1.7080
.362	-.4740						
.400				-.6510	-.7110		-1.0400
.402			-.8420				
.497	-.4730						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .300 BETA (3) = 9.170

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.4170	-.4380		
.565			-.3810				
.300							-.4210
.650						-.3280	
.700	-.3280				-.2210		
.725				-.1810			
.750						-.1870	-.2200
.760			-.2530				
.775				-.0980	-.1220		
.808			-.1740				
.834	-.1380						
.850				-.0460	-.0730	-.0910	
.857			-.1360				
.885	-.0800						
.900	-.0800			-.0100			-.0890
.905			-.0770				
.950				.0120	.0070	-.0170	
.953			-.0240				
.985	.0130						

MACH (1) = .887 BETA (4) = 10.270

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.6820	-.4380	-.8240	-1.4320	-1.8040	-1.9350	-2.3550
.050				-1.2390	-1.5750	-1.9500	-1.8820
.081			-.7870				
.088		-.4820					
.094	-.8540						
.150				-.8370	-1.3210	-1.3350	-1.8010
.177			-.7030				
.229	-.3920						
.246		-.6740					
.250				-.7890	-1.0330	-1.0480	-1.8020
.362	-.4170						
.400				-.6890	-.6790		-.8050
.402			-.7800				
.497	-.4950						
.550				-.4860	-.4320		
.565			-.6070				
.600							-.3920
.650						-.3350	
.700	-.3690				-.2360		
.725				-.3090			
.750						-.1940	-.2540
.760			-.2580				
.775				-.2350	-.1440		

AMES 11-707 OA12 OEA UPPER WING (RBPU04)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1760				
.834	-.1700						
.850				-.2060	-.0780	-.1030	
.857			-.1110				
.865	-.0990						
.900	-.0470			-.1630			-.1480
.905			-.0480				
.950				-.1090	.0110	-.0950	
.953			.0130				
.965	.0070						

MACH (2) = .902 BETA (1) =-10.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4380	-.4580	.1580	.4420	.3500	.2980	-.0840
.050				-1.0730	-1.0680	-1.1120	-1.1480
.081			-.7420				
.086		-.1090					
.094	-.0050						
.150				-1.0670	-1.0880	-1.1740	-.6370
.177			-.6940				
.229	-.0480						
.246		-.3880					
.250				-1.1210	-.9270	-1.0590	-.5710
.362	-.2110						
.400				-	-.8050		-.5970
.402			-.6920				
.497	-.4980						
.550				-.5470	-.6280		
.565			-.3050				
.600							-.6080
.850						-.6190	
.700	-.0980				-.4650		
.725				-.2980			
.750						-.5990	-.5960
.780			-.1200				
.775				-.2130	-.4500		
.808			-.0480				
.834	-.0380						
.850				-.1560	-.4390	-.5620	
.857			-.0080				
.865	.0080						
.900	.0800			-.0990			-.5580
.905			.0440				
.950				-.0420	-.3420	-.5080	
.953			.0740				

AMES 11-7FT OA12 OEA UPPER WING (RBPUU4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0790						

MACH (2) = .900 BETA (2) = -5.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3950	-.3970	-.0790	.2230	.1440	.0770	-.3570
.050				-1.1890	-1.2180	-1.2470	-.6520
.081			-.6440				
.086		-.1570					
.094	-.2850						
.150				-1.1360	-1.1690	-1.2110	-.6550
.177			-.7710				
.229	-.1660						
.246		-.3430					
.250				-1.1270	-.9280	-.9080	-.6390
.362	-.3210						
.400				-.7280	-.8370		-.6310
.402			-.9060				
.497	-.6030						
.550				-.5280	-.5940		
.565			-.3740				
.600							-.6160
.650						-.6480	
.700	-.2080				-.6010		
.725				-.3940			
.750						-.6350	-.5920
.760			-.1690				
.775				-.3170	-.5660		
.808			-.1240				
.834	-.2030						
.850				-.2520	-.5210	-.6060	
.857			-.0610				
.865	-.1310						
.900	-.0230			-.1930			-.5820
.905			-.0520				
.950				-.1420	-.4350	-.5580	
.953			-.0160				
.965	.0120						

MACH (2) = .902 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5200	-.3100	-.4060	-.2320	-.3190	-.4300	-.8220
.050				-1.3260	-.9830	-.9700	-.6720
.081			-.4610				
.086		-.2790					
.094	-.6110						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (RBPU04)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = 5.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.8770	-.9470	-.8510	-.6670
.177			-.6690				
.229	-.3090						
.246		-.3980					
.250				-.7990	-.8880	-.7810	-.6820
.362	-.2440						
.400				-.6610	-.8110		-.6870
.402			-.5000				
.497	-.5390						
.550				-.6580	-.7350		
.565			-.5800				
.600							-.6800
.650						-.8870	
.700	-.3830				-.6460		
.725				-.9020			
.750						-.6570	-.5990
.760			-.5740				
.775				-.4440	-.8030		
.800			-.5530				
.834	-.5060						
.850				-.3130	-.5740	-.6470	
.857			-.4520				
.865	-.4680						
.900	-.3490			-.2930			-.6100
.905			-.2750				
.950				-.1700	-.4740	-.6050	
.955			-.1900				
.965	-.0890						

MACH (2) = .807 BETA (4) = 10.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5940	-.3340	-.5110	-.5160	-.5740	-.7130	-.9720
.050				-1.3600	-1.0730	-.9120	-.7300
.081			-.4810				
.096		-.3160					
.094	-.7050						
.150				-.8130	-1.0230	-.9680	-.7190
.177			-.6490				
.229	-.2980						
.246		-.3840					
.250				-.7700	-.9430	-.8430	-.7190
.362	-.2080						
.400				-.6530	-.8380		-.7240
.402			-.6550				
.497	-.5030						

AMES 11-707 OA12 OEA UPPER WING (RBPUL4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .907 BETA (4) = 10.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.5860	-.7080		
.565			-.5790				
.600							-.6820
.650						-.6790	
.700	-.4120				-.6210		
.725				-.5880			
.750						-.6480	-.6440
.760			-.6790				
.775				-.4700	-.5420		
.\%0			-.6780				
.834	-.5150						
.850				-.3300	-.4900	-.6220	
.857			-.4230				
.865	-.5080						
.900	-.4040			-.2950			-.0110
.905			-.2360				
.950				-.1950	-.3430	-.5540	
.953			-.1580				
.965	-.1290						

AMES 11-707 OA12 OEA UPPER WING (RDPUL5) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .1500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) =-10.000

Y/BW	.290	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4850	-.8850	-1.0550	-.9550	-1.0140	-1.1300	-1.4050
.050				-2.1710	-1.5210	-1.3700	-.7330
.081			-1.5420				
.086		-.8200					
.094	-.8280						
.150				-1.5900	-1.3490	-1.1070	-.7780
.177			-.9170				
.229	-.6630						
.248		-.8810					
.250				-1.1500	-1.1080	-.8970	-.7820
.362	-.7410						
.400				-.7970	-.8450		-.7530
.412			-.5770				
.497	-.7850						
.550				-.5490	-.7250		
.585			-.3520				
.800							-.6800
.850						-.7080	
.700	-.3490				-.6040		
.725				-.3770			
.750						-.6400	-.6300
.780			-.1990				
.775					-.2780	-.5320	
.848			-.1740				
.834	-.0770						
.850					-.1900	-.4830	-.5960
.857			-.1630				
.865	-.0820						
.900	.0810				-.1470		-.5870
.905			-.1980				
.250					-.0960	-.3480	-.5350
.955			-.1410				
.965	.0910						

MACH (1) = .900 BETA (2) = -5.000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.6670	-.5980	-1.2560	-1.3050	-1.2700	-1.3470	-1.2650
.050				-2.1190	-1.3180	-.8740	-.7830
.081			-1.1560				
.086		-.6710					
.094	-.7820						

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AMES 11-7Ø7 OA12 OEA UPPER WING (RBPUU5)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -5.ØØ

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.15Ø				-1.645Ø	-1.266Ø	-.918Ø	-.773Ø
.177			-.914Ø				
.229	-.832Ø						
.246		-.991Ø					
.25Ø				-1.1Ø1Ø	-1.Ø27Ø	-.893Ø	-.754Ø
.362	-.98ØØ						
.4ØØ				-.774Ø	-.881Ø		-.731Ø
.4Ø2			-.568Ø				
.497	-.918Ø						
.55Ø				-.643Ø	-.797Ø		
.565			-.479Ø				
.6ØØ							-.683Ø
.65Ø						-.725Ø	
.7ØØ	-.4Ø8Ø				-.7Ø1Ø		
.725				-.497Ø			
.75Ø						-.688Ø	-.658Ø
.76Ø			-.458Ø				
.775				-.388Ø	-.615Ø		
.8Ø8			-.417Ø				
.834	-.198Ø						
.85Ø				-.3Ø8Ø	-.557Ø	-.651Ø	
.857			-.411Ø				
.865	-.123Ø						
.9ØØ	-.Ø43Ø			-.241Ø			-.652Ø
.9Ø5			-.363Ø				
.95Ø				-.184Ø	-.3Ø8Ø	-.569Ø	
.953			-.278Ø				
.965	.Ø44Ø						

MACH (1) = .598 BETA (3) = 5.18Ø

Y/BW	.299	.364	.427	.534	.673	.78Ø	.887
X/CW							
.ØØØ	-.949Ø	-.678Ø	-1.439Ø	-1.97ØØ	-1.774Ø	-1.414Ø	-1.168Ø
.Ø3Ø				-2.527Ø	-1.421Ø	-1.Ø3ØØ	-.859Ø
.Ø81			-1.ØØ8Ø				
.Ø86		-.745Ø					
.Ø94	-1.Ø68Ø						
.15Ø				-1.Ø99Ø	-1.287Ø	-1.Ø69Ø	-.861Ø
.177			-.9Ø1Ø				
.229	-.946Ø						
.246		-.974Ø					
.25Ø				-.967Ø	-1.165Ø	-.978Ø	-.845Ø
.362	-.8ØØØ						
.4Ø				-.817Ø	-1.Ø69Ø		-.823Ø
.4Ø2			.6451				
.497	-.713Ø						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D? OA12 OEA UPPER WING (RBPU05)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (3) = 5.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.6810	-.8740		
.565			-.8280				
.600							-.7760
.650						-.7930	
.700	-.5010				-.7360		
.725				-.5150			
.750						-.7570	-.7570
.760			-.5940				
.775				-.4640	-.6030		
.808			-.4900				
.834	-.2980						
.850				-.4270	-.5120	-.6880	
.857			-.4140				
.865	-.1850						
.900	-.1150			-.3480			-.7060
.905			-.3010				
.950				-.2830	-.3270	-.5800	
.953			-.1880				
.965	-.0150						

MACH (1) = .800 BETA (4) = 10.290

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0070	-.7280	-1.3650	-2.3230	-2.1040	-1.3680	-.9810
.050				-2.6370	-1.8630	-1.2170	-.8690
.081			-1.0190				
.086		-.7040					
.094	-1.2410						
.150				-.8410	-1.5970	-1.1550	-.8930
.177			-.9480				
.229	-.8820						
.248		-.9160					
.250				-.8970	-1.2920	-1.0340	-.8720
.362	-.8830						
.400				-.7500	-.9730		-.8300
.402			-.9750				
.497	-.8850						
.550				-.6660	-.8040		
.565			-.8480				
.800							-.7960
.850						-.8080	
.700	-.5242				-.6580		
.725				-.5980			
.750						-.7080	-.7430
.760			-.5170				
.775				-.5300	-.6890		

AMES 11-7G7 OA12 OA UPPER WING (RBPUU5)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (4) = 10.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.4180				
.834	-.3260						
.850				-.4800	-.3910	-.5970	
.857			-.3310				
.865	-.1080						
.900	-.0950			-.3940			-.6540
.905			-.2470				
.950				-.3310	-.2800	-.4550	
.953			-.1310				
.965	-.0180						

MACH (2) = .904 BETA (1) =-10.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4780	-.4190	-.3100	.0480	-.0160	-.1070	-.5650
.050				-1.2140	-1.0060	-.8220	-.6790
.081			-1.1020				
.086		-.4360					
.094	-.5520						
.150				-.9650	-.9330	-.5950	-.6630
.177			-.8710				
.229	-.4360						
.246		-.5790					
.250				-.9330	-.8510	-.6990	-.6550
.362	-.3630						
.400				-.8070	-.7050		-.6590
.402			-.7990				
.497	-.7670						
.550				-.7280	-.6960		
.565			-.6350				
.640							-.6410
.650						-.5740	
.700	-.4620				-.6840		
.725				-.6720			
.750						-.6550	-.6410
.760			-.5490				
.775				-.6340	-.6710		
.808			-.5140				
.834	-.3480						
.850				-.5930	-.6670	-.6460	
.857			-.4820				
.865	-.3380						
.900	-.1930			-.5530			-.6320
.905			-.4550				
.950				-.4830	-.6230	-.6530	
.953			-.4120				

AMES 11-707 OA12 OEA UPPER WING (RDPUUS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .914 BETA (1) =-10.200

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.984	-.0480						

MACH (2) = .918 BETA (2) = -5.030

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.7510	-.4480	-.5490	-.2220	-.2850	-.3700	-.7050
.050				-1.0900	-.8080	-.7750	-.7280
.081			-.8060				
.096		-.4270					
.104	-.5500						
.150				-.8060	-.8[illegible]	-.7580	-.7280
.177			-.8210				
.229	-.8040						
.248		-.6190					
.250				-.8710	-.8420	-.7510	-.7110
.302	-.5780						
.400				-.8180	-.7750		-.7180
.402			-.8080				
.497	-.8880						
.500				-.7820	-.7580		
.585			-.8080				
.900							-.7210
.650						-.7510	
.700	-.4720				-.7400		
.725				-.7380			
.750						-.7270	-.7130
.780			-.8780				
.775				-.8060	-.7850		
.808			-.7280				
.834	-.5400						
.850				-.8230	-.7140	-.7280	
.857			-.8080				
.865	-.5880						
.900	-.4250			-.8300			-.7170
.905			-.4980				
.930				-.9160	-.8040	-.7080	
.955			-.4290				
.985	-.0870						

MACH (2) = .934 BETA (3) = 5.050

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0780	-.8630	-.7930	-.7580	-.7440	-.8080	-.8420
.050				-1.1900	-.9380	-.8490	-.8020
.091			-.8390				
.098		-.8040					
.194	-.6490						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU05)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (3) = 5.220

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-1.1250	-.9030	-.8380	-.7880
.177			-.7810				
.229	-.7460						
.246		-.5780					
.250				-.9710	-.8670	-.8260	-.7960
.382	-.4740						
.400				-.8580	-.8430		-.7880
.402			-.8640				
.497	-.7080						
.550				-.8300	-.8280		
.565			-.7480				
.600							-.7920
.650						-.7850	
.700	-.4450				-.7970		
.725				-.8150			
.750						-.7770	-.7850
.780			-.9160				
.775				-.7530	-.7750		
.808			-.8250				
.834	-.6320						
.850				-.5100	-.7530	-.7880	
.857			-.8000				
.865	-.6840						
.900	-.5330			-.4510			-.7890
.905			-.5030				
.950				-.4310	-.6320	-.7820	
.953			-.5420				
.969	-.2240						

MACH (2) = .904 BETA (4) = 10.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
.000	-1.1450	-.5680	-.8050	-.9540	-.9820	-.9340	-.8440
.050				-1.2430	-1.0870	-.8090	-.8410
.081			-.8270				
.096		-.5120					
.094	-.6060						
.150				-1.2920	-.9760	-.8370	-.8280
.177			-.7540				
.229	-.6840						
.248		-.5410					
.250				-.8100	-.9130	-.8490	-.8210
.362	-.4030						
.400				-.6850	-.8550		-.8140
.402			-.8910				
.497	-.6790						

DATE 10 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (RBPUDS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (4) = 10.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.8380	-.8560		
.565			-.6990				-.7830
.600						-.7950	
.650					-.8420		
.700	-.4680			-.8720			
.725						-.7930	-.8090
.750							
.780			-.8550				
.775				-.8580	-.7490		
.808			-.8810				
.834	-.5000						
.850				-.5870	-.6460	-.7850	
.857			-.8720				
.885	-.6700						
.910	-.5810			-.4940			-.8190
.915			-.7080				
.950				-.4290	-.3825	-.7250	
.953			-.3390				
.965	-.2780						

AMES 11-707 OA12 02A UPPER WING (RBPUU6) (01 MAY 73)

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVCN = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.090

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.7840	-.7180	-1.6770	-1.8510	-1.4300	-1.3480	-1.3160
.050				-1.7580	-1.1280	-.9840	-.8960
.081			-1.3800				
.086		-.9710					
.094	-.8250						
.150				-1.3870	-1.1330	-.9870	-.8960
.177			-1.2490				
.229	-.9740						
.246		-1.1880					
.250				-1.2480	-1.0740	-1.0000	-.9070
.362	-1.3940						
.400				-1.1050	-1.0240		-.9060
.402			-.9540				
.497	-1.2650						
.550				-.9850	-.9850		
.565			-.8680				
.600							-.8950
.650						-.9290	
.700	-.5840				-.9170		
.725				-.7300			
.750						-.8840	-.8650
.760			-.7160				
.775				-.6240	-.8190		
.808			-.5810				
.834	-.0450						
.850				-.5680	-.7120	-.8190	
.857			-.4810				
.865	-.0030						
.870	.0590			-.5150			-.7930
.905			-.3300				
.950				-.4860	-.5250	-.6800	
.953			-.2160				
.965	-.0030						

MACH (1) = .987 BETA (2) = -4.970

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0140	-.8510	-1.9660	-2.0260	-1.6340	-1.4740	-1.3070
.050				-1.8160	-1.2350	-1.0930	-.9910
.081			-1.4470				
.086		-.9990					
.094	-1.0020						

AMES 11-707 OA12 O2A UPPER WING (RBPUB6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = -4.970

Y/BW / X/CW	.299	.364	.427	.534	.675	.790	.887
.150				-1.5090	-1.2500	-1.1010	-.9950
.177			-1.2180				
.229	-1.3080						
.246		-1.2820					
.250				-1.3750	-1.1980	-1.0970	-1.0420
.362	-1.4650						
.400				-1.2300	-1.1490		-1.0010
.402			-1.0850				
.497	-1.2430						
.550				-1.0350	-1.0800		
.565			-1.0220				
.600							-.9750
.650						-.9980	
.700	-.9600				-.9570		
.725				-.7700			
.750						-.9420	-.9270
.780			-.7750				
.775				-.6870	-.8280		
.808			-.9930				
.834	-.0780						
.850				-.6310	-.7140	-.8410	
.857			-.4510				
.865	-.0210						
.900	.0200			-.5580			-.8360
.905			-.2800				
.950				-.5210	-.5250	-.6730	
.953			-.1980				
.965	-.0080						

MACH (1) = .897 BETA (2) = 5.210

Y/BW / X/CW	.299	.364	.427	.534	.675	.780	.887
.000	-1.3480	-1.0450	-1.9900	-2.5650	-1.6830	-1.3290	-1.1970
.050				-2.3670	-1.5580	-1.3230	-1.1210
.091			-1.3520				
.098		-1.0000					
.094	-1.3720						
.150				-1.0390	-1.4940	-1.2640	-1.1030
.177			-1.1880				
.229	-1.5160						
.248		-1.3270					
.250				-1.3410	-1.4170	-1.2370	-1.0890
.362	-1.1470						
.400				-1.2040	-1.2800		-1.0600
.402			-1.2210				
.497	-.9760						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 02A UPPER WING (RBPUU6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.550				-1.0580	-1.1100		
.567			-1.1850				
.							-1.0220
.650						-1.0550	
.700	-.5970				-.8780		
.725				-.9160			
.750						-.9210	-.9810
.760			-.6850				
.775				-.8370	-.7910		
.800			-.4980				
.834	-.2400						
.850				-.7290	-.6990	-.8290	
.857			-.3480				
.865	-.0980						
.900	-.0170			-.5790			-.8450
.905			-.1580				
.950				-.4350	-.5190	-.6780	
.953			-.0410				
.985	.0080						

MACH (1) = .589 BETA (4) = 10.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4340	-1.0590	-1.9270	-2.9830	-1.6900	-1.4190	-1.1770
.050				-2.7220	-1.6940	-1.3850	-1.1750
.081			-1.3680				
.086		-.9850					
.094	-1.6640						
.150				-1.7110	-1.6540	-1.3660	-1.1530
.177			-1.1990				
.229	-1.4200						
.248		-1.2100					
.250				-1.5110	-1.3210	-1.3440	-1.1500
.362	-1.0340						
.400				-1.2490	-1.2850		-1.1200
.402			-1.3520				
.497	-.9300						
.550				-1.1680	-1.1050		
.565			-1.1370				
.600							-1.0360
.650						-1.0250	
.700	-.6530				-.8670		
.725				-1.0130			
.750						-.8945	-.9630
.760			-.6050				
.775				-.8790	-.7970		

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 O2A UPPER WING (RBPUU6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.360

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.848			-.4460				
.834	-.2780						
.850				-.7510	-.6790	-.6200	
.857			-.3560				
.865	-.1080						
.914	-.0150			-.6100			-.8550
.905			-.1870				
.950				-.4730	-.5730	-.6300	
.953			-.0260				
.965	.0570						

MACH (2) = .902 BETA (1) =-10.110

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.6700	-.5140	-.7950	-.3870	-.4020	-.5320	-.8450
.050				-.9040	-.8570	-.9440	-.7200
.081			-.9740				
.086		-.8070					
.094	-.6590						
.150				-.8980	-.8700	-.8560	-.7490
.177			-.9190				
.229	-.5160						
.248		-.7340					
.250				-.8880	-.8740	-.8880	-.7500
.362	-.6880						
.400				-.8680	-.8350		-.7800
.442			-.8670				
.497	-1.0500						
.550				-.8550	-.8310		
.565			-.8630				
.800							-.7820
.850						-.7970	
.700	-.6960				-.7960		
.725				-.7980			
.750						-.7910	-.7590
.780			-.8580				
.775				-.7980	-.7930		
.808			-.8670				
.834	-.5190						
.850				-.7360	-.7800	-.7840	
.857			-.8410				
.865	-.3850						
.900	-.2940			-.8670			-.7470
.905			-.5390				
.950				-.5910	-.7840	-.7800	
.953			-.4900				

AMES 11-7D7 OA12 OBA UPPER WING (RBPUU6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.110

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.2440						

MACH (2) = .900 BETA (2) = -5.080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.9100	-.6970	-1.0540	-.6540	-.6640	-.7720	-.9760
.050				-.9520	-.9020	-.9130	-.8010
.081			-.9060				
.086		-.6380					
.094	-.9270						
.150				-.9290	-.9170	-.9390	-.8170
.177			-.8980				
.229	-.7550						
.246		-.8480					
.250				-.9230	-.9230	-.9840	-.8330
.382	-.8690						
.400				-.9280	-.9200		-.8390
.402			-.9330				
.497	-1.0820						
.550				-.9120	-.8990		
.585			-.8530				
.600							-.8450
.650						-.8710	
.700	-.4830				-.8590		
.725				-.8810			
.750						-.8480	-.8170
.760			-.7000				
.775				-.7980	-.8580		
.808			-.7210				
.834	-.4890						
.850				-.7390	-.8430	-.8490	
.857			-.6710				
.865	-.3370						
.900	-.2540			-.6900			-.8220
.905			-.5400				
.950				-.5920	-.8000	-.8490	
.953			-.4920				
.965	-.2510						

MACH (2) = .904 BETA (3) = 5.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.2660	-.8370	-1.0540	-1.0730	-.9950	-.9450	-.9040
.050				-1.0160	-.9160	-.9050	-.8710
.081			-.7980				
.086		-.6880					
.094	-1.2090						

AMES 11-7ft OA12 OEA UPPER WING (RBPUUS)

SECTION (3)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .944 BETA (3) = 5.26[illegible]

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9930	-.9310	-.9160	-.8660
.177			-.8390				
.229	-.9970						
.246		-.7670					
.290				-.9470	-.9330	-.9030	-.8740
.362	-.8990						
.400				-.9240	-.9190		-.8800
.402			-.8170				
.497	-.9020						
.550				-.9250	-.9110		
.565			-.8280				
.600							-.8740
.650						-.8830	
.700	-.5890				-.8960		
.725				-.8440			
.750						-.8770	-.8880
.760			-.7280				
.775				-.8770	-.8840		
.808			-.5350				
.834	-.4220						
.850				-.7160	-.8330	-.8730	
.857			-.4520				
.865	-.3400						
.910	-.2890			-.8150			-.8530
.905			-.4900				
.950				-.4650	-.8890	-.8250	
.953			-.4340				
.965	-.2280						

MACH (2) = .909 BETA (4) = 10.430

Y/BW	.2[illegible]9	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3570	-.8880	-1.0540	-1.2460	-1.0170	-.9080	-.9120
.050				-1.2970	-1.0780	-.9220	-.8880
.081			-.8280				
.088		-.7470					
.094	-1.3000						
.150				-1.3010	-.9800	-.9080	-.8970
.177			-.9340				
.229	-.8850						
.246		-.7000					
.250				-.9990	-.9880	-.9280	-.8880
.362	-.9570						
.400				-.8330	-.9550		-.8970
.402			-1.1190				
.497	-.8550						

AMES 11-7D7 OA12 OEA UPPER WING (RBPUU6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (4) = 10.430

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.8970	-.9360		
.565			-.8580				
.600							-.8710
.650						-.8750	
.700	-.5710				-.8150		
.725				-.8460			
.750						-.8600	-.8730
.780			-.7350				
.775				-.7110	-.7580		
.800			-.6480				
.834	-.3710						
.850				-.5580	-.7280	-.7590	
.857			-.5470				
.865	-.3470						
.900	-.2970			-.5140			-.8080
.905			-.4410				
.950				-.4650	-.5510	-.6810	
.953			-.3550				
.965	-.1880						

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPUU7) (01 MAY 73)

AMES 11-7U7 OA12 OEA UPPER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 25.5940 INCHES
LREF = 39.9400 INCHES YMRP = .0000 INCHES
BREF = 39.9490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -7.980

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	.0110	-.0180	.3840	.6040	.6080	.6070	.5700
.050				-.0840	-.1240	-.2070	-.2140
.081			-.1080				
.086		.0030					
.094	.0080						
.150				-.3030	-.4080	-.4980	-.5300
.177			-.2080				
.229	.0410						
.248		-.0600					
.250				-.3780	-.4470	-.4790	-.4820
.362	-.0480						
.400				-.3200	-.4190		-.4700
.402			-.2410				
.497	-.1130						
.550				-.1810	-.2510		
.565			-.1210				
.600							-.2320
.650						-.1410	
.700	-.0490				-.0880		
.725				.0080			
.750						.1070	-.0340
.780			.0480				
.775				.0850	.0480		
.800			.0780				
.834	.0850						
.850				.1170	.1090	.1080	
.857			.1000				
.865	.0700						
.900	.1020			.1280			.1080
.905			.1006				
.950				.1280	.1390	.1380	
.955			.0880				
.985	.0880						

MACH (1) = .800 BETA (2) = -3.940

Y/BW	.299	.384	.427	.534	.675	.780	.867
X/CW							
.000	-.0040	.0040	.3340	.5520	.5360	.3350	.4770
.050				-.1470	-.1750	-.2730	-.2680
.081			-.1350				
.086		.0580					
.094	.0560						

AMES 11-7D7 OA12 CRA UPPER WING (RBPLU7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (2) = -3.940

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-.3360	-.4230	-.5210	-.5450
.177			-.2300				
.229	.0080						
.246		-.0800					
.250				-.4090	-.4880	-.4970	-.4890
.362	-.0820						
.400				-.3720	-.4440		-.4690
.402			-.2850				
.497	-.1440						
.550				-.2260	-.2980		
.565			-.1690				
.600							-.2570
.650						-.1810	
.700	-.1140				-.0930		
.725				-.0300			
.750						-.1650	-.1457
.760			.0080				
.775				.0320	.0280		
.808			.0450				
.834	.0130						
.850				.0880	.0850	.1010	
.857			.0700				
.865	.0280						
.900	.0880			.1080			.1040
.905			.0780				
.950				.1150	.1270	.1350	
.953			.0850				
.965	.0500						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.100	-.0370	.0010	.2950	.4940	.4830	.4590	.3790
.050				-.1990	-.2410	-.3280	-.3360
.081			-.1870				
.085		.0190					
.094	.0280						
.150				-.3680	-.4550	-.5480	-.5840
.177			-.2510				
.229	-.0080						
.246		-.1110					
.250				-.4310	-.4990	-.5190	-.5090
.362	-.1060						
.400				-.4140	-.4680		-.4970
.402			-.3330				
.497	-.1710						

AMES 11-707 CA12 CRA UPPER WING (RBPUD7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (3) = .000

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.550				-.2680	-.3060		
.585			-.2300				
.600							-.2790
.650						-.1750	
.700	-.1750				-.1180		
.725				-.0700			
.750						-.0230	-.0360
.760			-.0350				
.775				.0170	.0080		
.850			.0120				
.834	-.0350						
.850				.0020	.0700	.0080	
.857			.0440				
.865	-.0150						
.900	.0870			.0840			.1050
.905			.0330				
.930				.1010	.1200	.1280	
.955			.0080				
.965	.0250						

MACH (1) = .900 BETA (4) = 4.210

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.100	-.1080	-.0870	.2480	.4280	.3780	.3780	.2780
.150				-.2460	-.2960	-.3790	-.3800
.181			-.2110				
.186		.0030					
.184	.0080						
.150				-.3810	-.4740	-.5580	-.5730
.177			-.2810				
.229	-.0810						
.248		-.1280					
.250				-.4470	-.5180	-.5250	-.5110
.382	-.1080						
.400				-.4340	-.4870		-.5030
.402			-.3670				
.497	-.1080						
.550				-.3080	-.3280		
.565			-.2710				
.600							-.2780
.650						-.1080	
.700	-.2150				-.1300		
.725				-.0980			
.750						-.0320	-.0390
.760			-.0840				
.775				-.0080	-.0100		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (RBPUU7)

SECTION (3)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (4) = 4.210

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.0190				
.834	-.0730						
.850				.0380	.0990	.0750	
.857			.0800				
.865	-.0440						
.900	-.0010			.0680			.1080
.905			.0980				
.950				.0910	.1150	.1800	
.955			.0530				
.985	.0080						

MACH (1) = .907 BETA (5) = 8.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1800	-.0680	.1730	.3470	.2850	.2740	.1290
.050				-.2830	-.3[illegible]	-.4230	-.4560
.081			-.2320				
.086		-.0160					
.104	-.1030						
.150				-.3870	-.4940	-.5800	-.5720
.177			-.2830				
.229	-.0880						
.248		-.1410					
.250				-.4540	-.5080	-.5380	-.5090
.382	-.1110						
.400				-.4580	-.5080		-.4930
.402			-.4010				
.497	-.2000						
.550				-.3340	-.3430		
.565			-.3110				
.600							-.2700
.630						-.1930	
.700	-.2800				-.1440		
.725				-.1210			
.750						-.0420	-.0350
.760			-.0980				
.775				-.0290	-.0810		
.808			-.0470				
.834	-.1080						
.850				.0210	.0470	.0690	
.857			-.0010				
.865	-.0750						
.900	-.0280			.0540			.1050
.905			.0210				
.950				.0820	.1100	.1200	
.953			.0460				

AMES 11-7D7 OA12 OA UPPER WING (RBPUU?)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0100						

MACH (2) = .902 BETA (1) = -0.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0850	-.0120	.4330	.6780	.8800	.8480	.8140
.050				-.1680	-.0180	-.0830	-.0820
.081			-.0280				
.086		.1330					
.104	.1280						
.150				-.2930	-.3810	-.5070	-.5910
.177			-.1830				
.229	.0770						
.246		.0120					
.250				-.4560	-.5780	-.6830	-.7420
.302	.0110						
.400				-.4400	-.5040		-.7590
.412			-.2940				
.497	-.1070						
.550				-.2980	-.3200		
.565			-.1910				
.800							-.3110
.850						-.0710	
.710	-.1010				-.1080		
.725				.0360			
.750						.0810	.0800
.780			.0820				
.775				.1140	.1010		
.808			.1110				
.834	.0830						
.850				.1480	.1500	.1700	
.857			.1360				
.865	.1010						
.900	.1420			.1580			.1800
.905			.1360				
.950				.1580	.1380	.1530	
.953			.1190				
.965	.0880						

MACH (2) = .901 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0170	.0230	.4040	.8240	.5870	.5700	.5240
.050				-.0880	-.0700	-.1470	-.1840
.081			-.0700				
.106		.0880					
.094	.0880						

AMES 11-FT OA12 OBA UPPER WING (RBPL07)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3120	-.4040	-.5310	-.6320
.177			-.1730				
.229	.0450						
.248		-.0210					
.250				-.4610	-.5770	-.6170	-.7610
.362	-.0190						
.400				-.4900	-.6190		-.7770
.402			-.3280				
.497	-.1310						
.550				-.3830	-.5770		
.565			-.3050				
.600							-.3970
.650						-.1800	
.700	-.2080				-.0820		
.725				-.0220			
.750						.0620	-.0720
.760			-.0100				
.773				.0840	.0560		
.806			.0510				
.834	-.0330						
.850				.1130	.1280	.1400	
.857			.0970				
.865	.0350						
.900	.0880			.1230			.1470
.905			.1090				
.950				.1220	.1340	.1400	
.953			.1070				
.965	.0730						

MACH (2) = .909 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0240	.0300	.3620	.5580	.5090	.4960	.4340
.050				-.0980	-.1180	-.1970	-.2380
.081			-.1010				
.086		.0570					
.094	.0620						
.150				-.3020	-.4140	-.5580	-.6570
.177			-.1750				
.229	.0220						
.248		-.0340					
.250				-.4410	-.5670	-.6110	-.7220
.362	-.0380						
.400				-.4470	-.5650		-.7660
.402			-.3690				
.497	-.1410						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RBPUL07)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = .UOU

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4470	-.6100		
.565			-.3840				
.600							-.0620
.650						-.4620	
.700	-.2840				-.3090		
.725				-.2910			
.750						-.1550	-.1910
.760			-.2270				
.775				-.0300	-.0080		
.8U0			-.0440				
.834	-.2430						
.850				.0810	.0500	.0060	
.857			.0370				
.868	-.0480						
.900	.0080			.0830			.0190
.905			.0650				
.920				.1060	.1160	.0950	
.953			.0850				
.965	.0500						

MACH (2) = .902 BETA (4) = 4.2UU

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.0830	-.0040	.3U50	.4060	.4320	.4170	.3560
.050				-.1390	-.1610	-.2480	-.2970
.101			-.1210				
.088		.0380					
.104	.0430						
.150				-.2870	-.4190	-.5750	-.6880
.177			-.1700				
.229	.0120						
.248		-.0480					
.250				-.4350	-.5440	-.5730	-.7360
.362	-.0440						
.400				-.4580	-.5570		-.7390
.402			-.3750				
.497	-.1300						
.550				-.4900	-.6320		
.565			-.4200				
.600							-.8870
.650						-.7730	
.700	-.3230				-.8990		
.725				-.5790			
.750						-.2410	-.2890
.760			-.4820				
.775				-.2070	-.2210		

AMES 11-7X7 OA12 OA UPPER WING (RBPUU7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2640				
.834	-.4590						
.830				-.0400	-.0770	-.1210	
.857			-.0900				
.885	-.2680						
.900	-.1320			.0210			-.1120
.909			-.0160				
.950				.0560	.0540	.0000	
.953			.0400				
.965	-.0130						

MACH (2) = .905 BETA (5) = 8.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1310	-.0140	.2170	.4150	.3500	.3320	.2340
.050				-.1610	-.1930	-.2820	-.3580
.081			-.1200				
.086		.0250					
.094	.4210						
.150				-.2830	-.4150	-.5740	-.6450
.177			-.1630				
.229	.4200						
.246		-.0420					
.250				-.4100	-.4960	-.5350	-.6920
.382	-.0270						
.400				-.4490	-.5540		-.7250
.402			-.3470				
.497	-.1170						
.550				-.4970	-.6230		
.565			-.4360				
.600							-.8840
.650						-.7720	
.700	-.3430				-.7170		
.725				-.6160			
.750						-.2350	-.2530
.760			-.5340				
.775				-.3210	-.2580		
.808			-.3740				
.834	-.9070						
.850				-.1000	-.1200	-.1490	
.857			-.1330				
.885	-.3090						
.900	-.1880			-.0190			-.0950
.905			-.0280				
.950				.0470	.0300	-.0070	
.953			.0250				

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RBPUU7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (3) = 0.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0330						

AMES 11-707 OA12 OEA UPPER WING (RBPUD8) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0540	-.0120	.2700	.4820	.3270	.2830	-.1230
.050				-.6900	-.7940	-.9760	-.9830
.081			-.6130				
.086		-.0530					
.094	.0150						
.150				-.6590	-.8070	-.9810	-1.0560
.177			-.4910				
.229	-.0540						
.248		-.3110					
.250				-.5980	-.7030	-.7520	-.7630
.362	-.2080						
.400				-.4250	-.5570		-.6670
.402			-.3230				
.497	-.2410						
.550				-.2100	-.2960		
.565			-.1470				
.600							-.3530
.650						-.1780	
.700	-.0980				-.0700		
.725				.0040			
.750						-.0250	-.1050
.760			.0270				
.775				.0730	.0370		
.808			.0590				
.834	.0690						
.850				.1100	.0950	.0650	
.857			.0840				
.865	.0800						
.900	.1250			.1280			.0460
.905			.0940				
.950				.1360	.1400	.1280	
.953			.1010				
.965	.0940						

MACH (1) = .900 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2130	-.1730	.1200	.3080	.1780	.1050	-.3480
.050				-.7430	-.8610	-1.0440	-1.0790
.081			-.6670				
.086		-.0930					
.094	-.0260						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA UPPER WING (REPUL-8)

DEPENDENT VARIABLE CP

SECTION (1)UPPER WING

MACH (1) = .599 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.6870	-.8400	-1.0030	-1.0590
.177			-.5190				
.229	-.0870						
.246		-.3360					
.250				-.6540	-.7540	-.7740	-.7780
.382	-.2450						
.400				-.4720	-.5700		-.6690
.402			-.3810				
.497	-.2090						
.550				-.2570	-.3280		
.565			-.2120				-.3550
.600						-.1970	
.650					-.0980		
.700	-.1560			-.0350			
.725						-.0970	-.1100
.750							
.760			-.0180				
.775				.0400	.0110		
.800			.0260				
.834	.0110						
.850				.0820	.0790	.0880	
.857			.0570				
.865	.0310						
.900	.0810			.1010			.0420
.905			.0790				
.950				.1180	.1280	.1140	
.953			.0690				
.965	.0700						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.720	.887
X/CW							
.000	-.3650	-.3240	-.0080	.1080	.0130	-.1030	-.0050
.050				-.8120	-.9320	-1.0020	-1.1540
.081			-.6830				
.086		-.1140					
.094	-.0880						
.150				-.6910	-.8470	-1.0080	-1.0000
.177			-.5220				
.229	-.1000						
.246		-.3330					
.250				-.6510	-.7520	-.7790	-.7670
.382	-.2630						
.400				-.5130	-.5930		-.6540
.402			-.4140				
.497	-.3180						

AMES 11-707 OA12 OEA UPPER WING (RBPUL8)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (3) = .090

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.2970	-.3540		
.565			-.2600				
.600							-.3800
.650						-.2060	
.700	-.2170				-.1180		
.725				-.0690			
.750						-.0540	-.1180
.760			-.0620				
.775				.0040	-.0120		
.808			-.0180				
.834	-.0340						
.850				.0490	.0540	.0540	
.857			.0200				
.865	-.0080						
.900	.0490			.0740			.0450
.905			.0480				
.950				.0870	.1140	.1050	
.953			.0730				
.965	.0450						

MACH (1) = .802 BETA (4) = 4.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3690	-.3050	-.1620	-.0280	-.1800	-.2710	-.8330
.050				-.8080	-.9310	-1.1410	-1.0940
.081			-.8610				
.086		-.1440					
.094	-.2310						
.150				-.8950	-.8540	-1.0000	-1.0010
.177			-.4870				
.229	-.1050						
.246		-.3410					
.250				-.6800	-.7800	-.7900	-.7650
.362	-.2830						
.400				-.5240	-.6010		-.6490
.402			-.4730				
.497	-.3140						
.550				-.3270	-.3660		
.565			-.3120				
.600							-.3620
.650						-.2200	
.700	-.2580				-.1400		
.725				-.1150			
.750						-.0690	-.1210
.760			-.1080				
.775				-.0340	-.0340		

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 CEA UPPER WING (REPUNS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (4) = 4.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.838			-.0810				
.834	-.0880						
.850				.0170	.0360	.0490	
.857			-.0260				
.888	-.0530						
.910	-.0080			.0480			.0310
.905			-.0010				
.930				.0840	.0890	.0970	
.953			.0210				
.965	.0100						

MACH (1) = .801 BETA (5) = 9.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3720	-.2900	-.2850	-.2310	-.4080	-.5350	-1.1980
.050				-.7980	-.9670	-1.1470	-1.1440
.081			-.9030				
.096		-.1970					
.104	-.3800						
.150				-.6890	-.8420	-1.0040	-.9080
.177			-.4780				
.229	-.1070						
.246		-.4280					
.250				-.8420	-.7830	-.7800	-.7440
.348	-.2360						
.400				-.5190	-.5870		-.6330
.402			-.3260				
.487	-.3880						
.550				-.5870	-.3740		
.565			-.4210				
.600							-.5480
.650						-.2200	
.700	-.3080				-.1480		
.725				-.1440			
.750						-.0730	-.1320
.760			-.1210				
.775				-.0590	-.0930		
.808			-.0830				
.834	-.1280						
.850				.0080	.0080	.0280	
.857			-.0280				
.865	-.0840						
.900	-.0570			.0370			.0110
.905			.0050				
.950				.0850	.0780	.0850	
.953			.0350				

AMES 11-707 OA12 OEA UPPER WING (RBPUU0)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (5) = 0.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.985	-.0080						

MACH (2) = .900 BETA (1) = -0.140

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0990	.1910	.4050	.6470	.9570	.5610	.3230
.050				-.6500	-.8040	-.7000	-.8670
.081			-.4290				
.088		.0180					
.094	.0530						
.150				-.6500	-.7530	-.8350	-.9490
.177			-.5340				
.229	.0030						
.246		-.1990					
.250				-.7480	-.9310	-1.1080	-1.0810
.362	-.1220						
.400				-.8550	-1.0400		-.9190
.402			-.6880				
.497	-.3100						
.550				-.2580	-.5210		
.585			-.2310				
.000							-.0810
.650						-.3800	
.700	-.1820				-.1140		
.725				.0180			
.750						-.2770	-.5470
.780			.0480				
.775				.0940	.0250		
.800			.1010				
.834	.0880						
.850				.1300	.1080	-.1980	
.857			.1360				
.885	.1080						
.900	.1850			.1880			-.3930
.905			.1980				
.950				.1630	.1880	-.0880	
.953			.1910				
.985	.1360						

MACH (3) = .908 BETA (2) = -4.080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2430	-.1400	.2780	.5180	.4190	.4070	.1360
.050				-.7220	-.6870	-.8950	-.9140
.081			-.4540				
.088		-.0300					
.094	.0080						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPUNS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (2) = -4.000

Y/BM / X/CM	.298	.384	.427	.534	.673	.780	.887
.150				-.7250	-.7750	-.9910	-1.0140
.177			-.5270				
.229	-.0290						
.246		-.2800					
.250				-.7480	-.9190	-1.0280	-1.1080
.362	-.1580						
.400				-.8420	-1.0080		-.6570
.402			-.0010				
.497	-.3540						
.550				-.6980	-.9430		
.565			-.3080				
.600							-.5900
.650						-.3910	
.700	-.2980				-.1740		
.725				-.0510			
.750						-.3000	-.5080
.760			-.0060				
.775				.0220	-.0360		
.800			.0320				
.834	-.0380						
.850				.0790	-.0050	-.2210	
.857			.0690				
.865	.0310						
.900	.0960			.0970			-.5210
.905			.0810				
.950				.1080	.0680	-.1240	
.953			.0890				
.965	.0880						

MACH (2) = .903 BETA (3) = .000

Y/BM / X/CM	.298	.384	.427	.534	.673	.780	.887
.000	-.3180	-.2440	.1980	.3950	.2980	.2800	-.0420
.050				-.7580	-.9910	-.9430	-.9440
.081			-.4080				
.088		-.0440					
.094	-.0780						
.150				-.7030	-.7780	-.9300	-1.0780
.177			-.3080				
.229	-.0980						
.246		-.2180					
.250				-.7190	-.8970	-1.0050	-1.0800
.362	-.1720						
.400				-.7210	-.8780		-.5720
.402			-.5510				
.497	-.3710						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPUL=0)

SECTION (3)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .908 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.590				-.5480	-.6420		
.565			-.4580				
.800							-.5940
.650						-.4130	
.700	-.3610				-.2320		
.725				-.1380			
.750						-.3710	-.5990
.760			-.1910				
.775				-.0880	-.1580		
.800			-.0490				
.834	-.2410						
.850				-.0140	-.0900	-.3200	
.857			.0230				
.885	-.0330						
.900	.0390			.0270			-.5440
.905			.0630				
.950				.0640	-.0110	-.1930	
.953			.0840				
.965	.0880						

MACH (2) = .908 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2890	-.1970	.0080	.2480	.1320	.1010	-.2370
.050				-.0180	-.0980	-1.0480	-1.0680
.081			-.4630				
.100		-.0840					
.104	-.2580						
.150				-.6540	-.7080	-.9030	-1.1190
.177			-.4650				
.229	-.0380						
.248		-.2060					
.250				-.8150	-.8720	-.9680	-.7480
.362	-.1570						
.400				-.6320	-.8510		-.5960
.402			-.5080				
.497	-.3340						
.550				-.5780	-.7400		
.565			-.4980				
.600							-.5970
.650						-.4940	
.700	-.3930				-.3040		
.725				-.2980			
.750						-.4500	-.6080
.760			-.3410				
.775				-.1660	-.2110		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPLUM)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .918 BETA (4) = 4.220

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.1250				
.834	-.4610						
.850				-.0740	-.1360	-.3540	
.857			-.0460				
.865	-.1400						
.900	-.0530			-.0180			-.3460
.905			-.0140				
.950				.0370	-.0480	-.2070	
.953			.0800				
.988	.0180						

MACH (2) = .804 BETA (9) = 8.370

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.3290	-.1670	-.1080	.0840	-.0840	-.4610	-.4580
.050				-.8750	-1.1250	-1.1800	-1.1810
.081			-.3350				
.098		-.1080					
.084	-.3440						
.150				-.6490	-.7580	-.8480	-.8500
.177			-.4380				
.229	-.0360						
.248		-.2791					
.250				-.6130	-.7980	-.9140	-.8910
.262	-.1270						
.400				-.5820	-.7800		-.8480
.402			-.4870				
.497	-.2590						
.550				-.5880	-.6880		
.563			-.5680				
.600							-.6410
.650						-.5460	
.700	-.4160				-.4310		
.725				-.5100			
.750						-.4630	-.6010
.760			-.5870				
.775				-.2220	-.2690		
.808			-.2510				
.834	-.3650						
.850				-.1370	-.2010	-.3680	
.857			-.1310				
.865	-.3000						
.900	-.1980			-.0540			-.3280
.905			-.0870				
.950				.0070	-.1030	-.2360	
.953			-.0080				

DATE 11 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OZA UPPER WING (REPUNS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (8) = .901 BETA (5) = 0.370

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.988	-.0280						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 CEA UPPER WING (CBPU08) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5300 INCHES
LREF = 30.0480 INCHES YMRP = .0000 INCHES
BREF = 30.0480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .399 BETA (1) = -0.080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.5360	-.7410	-.3770	-.2800	-.5180	-.7080	-1.3780
.050				-1.3480	-1.8140	-2.9980	-2.4590
.081			-1.3330				
.106		-.2550					
.134	-.1140						
.150				-.9980	-1.2000	-1.4130	-1.3670
.177			-.7430				
.229	-.2970						
.246		-.5080					
.250				-.7870	-.9840	-.9770	-1.0220
.382	-.4220						
.400				-.4800	-.6130		-.7840
.402			-.4140				
.497	-.4290						
.550				-.2480	-.3160		
.565			-.3330				
.600							-.4490
.650						-.2080	
.700	-.1650				-.1080		
.725				-.0810			
.750						-.0850	-.2180
.760			.0280				
.775				.0010	-.0350		
.808			.0980				
.834	.0860						
.850				.0330	.0190	-.0100	
.857			.1330				
.885	.0840						
.900	.1290			.0530			-.0880
.905			.1470				
.950				.0530	.0810	.0390	
.953			.1480				
.965	.0870						

MACH (1) = .601 BETA (2) = -5.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4550	-.5550	-.5880	-.5200	-.7380	-.9250	-1.6330
.050				-1.3890	-1.8020	-2.5400	-1.9500
.101			-1.2560				
.086		-.3140					

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (REPLUG)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (...) .801 BETA (2) = -3.980

Y/BW / X/CW	.298	.364	.427	.534	.673	.780	.887
.150				-1.1040	-1.1980	-1.3910	-1.4980
.177			-.7080				
.229	-.2530						
.246		-.5540					
.250				-.8080	-.9330	-.9820	-1.0880
.362	-.5340						
.400				-.5290	-.6380		-.7830
.402			-.6120				
.497	-.5320						
.550				-.3250	-.3610		
.565			-.2540				
.600							-.4930
.650						-.2490	
.700	-.2310				-.1500		
.725				-.1290			
.750						-.1310	-.2980
.780			-.0190				
.775				-.0680	-.0680		
.808			.0270				
.834	-.0280						
.850				-.0340	-.0020	-.0380	
.857			.0810				
.865	-.0080						
.900	.0850			.0050			-.1440
.905			.0880				
.930				.0410	.0840	.0200	
.953			.0900				
.965	.0850						

MACH (1) = .800 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5170	-.4880	-.7730	-.8040	-1.0250	-1.2590	-1.9320
.050				-1.4040	-1.6730	-2.5070	-1.8770
.081			-.9190				
.086		-.3240					
.094	-.7240						
.150				-.9610	-1.2450	-1.3880	-1.7150
.177			-.7560				
.229	-.3450						
.246		-.6640					
.250				-.7770	-.9860	-1.0480	-1.4500
.362	-.5350						
.400				-.5730	-.6760		-1.0680
.402			-.5130				
.497	-.5400						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 O2A UPPER WING (RDPUU9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .810 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.4150	-.4180		
.565			-.3810				
.600							-.6510
.650						-.2850	
.700	-.2800				-.1980		
.725				-.1580			
.750						-.1430	-.4800
.780			-.2170				
.775				-.0490	-.1050		
.808			-.1670				
.834	-.0820						
.850				.0070	-.0470	-.0480	
.857			-.1410				
.865	-.0330						
.900	.0900			.0490			-.2290
.905			-.0980				
.950				.0800	.0250	.0200	
.953			-.0480				
.965	.0510						

MACH (1) = .900 BETA (4) = 4.170

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.5807	-.4470	-.7970	-.9910	-1.1990	-1.4580	-2.1980
.050				-1.2720	-1.6870	-2.2910	-2.0110
.081			-.8270				
.088		-.4080					
.094	-.7630						
.150				-.9160	-1.2620	-1.3280	-1.9040
.177			-.7010				
.229	-.3780						
.248		-.7130					
.250				-.7740	-1.0130	-1.0490	-1.6680
.302	-.4800						
.400				-.6250	-.7110		-.9940
.402			-.5800				
.497	-.4800						
.550				-.4330	-.4350		
.585			-.5400				
.600							-.4420
.650						-.3160	
.700	-.3310				-.2200		
.725				-.1570			
.750						-.1780	-.2000
.780			-.2580				
.775				-.0790	-.1190		

AMES 11-707 OA12 OZA UPPER WING (RBPUU9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.170

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.1880				
.834	-.1440						
.850				-.0830	-.0650	-.0780	
.857			-.1250				
.885	-.0880						
.900	-.0870			.0150			-.0750
.905			-.0820				
.950				.0500	.0080	-.0060	
.953			-.0230				
.985	-.0040						

MACH (1) = .599 BETA (9) = 8.240

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.8490	-.4300	-.8510	-1.2500	-1.4780	-1.8030	-2.4140
.050				-1.2430	-1.6340	-2.0240	-2.0430
.081			-.7990				
.086		-.4850					
.094	-.8210						
.130				-.8810	-1.3060	-1.3420	-1.9710
.177			-.7110				
.229	-.3690						
.246		-.6750					
.250				-.7850	-1.0630	-1.0430	-1.7200
.382	-.4370						
.400				-.7220	-.7080		-.7470
.402			-.7400				
.497	-.4870						
.550				-.4570	-.4380		
.565			-.6070				
.600							-.3940
.650						-.3480	
.700	-.3750				-.2240		
.725				-.2470			
.750						-.2090	-.2430
.780			-.2810				
.775				-.1680	-.1340		
.808			-.1960				
.834	-.1750						
.850				-.1320	-.0790	-.0950	
.857			-.1380				
.885	-.1090						
.900	-.0500			-.0870			-.1270
.905			-.0700				
.950				-.0680	.0130	-.0280	
.953			-.0130				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (ESPUG9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.240

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.0100						

MACH (2) = .904 BETA (1) = -8.160

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.4640	.0020	.3070	.2180	.1640	-.1780
.050				-1.1080	-1.2020	-1.2050	-.6770
.081			-.0720				
.086		-.1110					
.094	-.1950						
.150				-1.2100	-1.1550	-1.1990	-.6430
.177			-.0840				
.229	-.1780						
.246		-.3850					
.250				-1.1540	-.9210	-.9590	-.6250
.302	-.3680						
.400				-.7880	-.8450		-.6160
.402			-.7170				
.497	-.5640						
.550				-.5730	-.6380		
.585			-.3810				
.600							-.6100
.650						-.6900	
.700	-.1550				-.8290		
.725				-.4280			
.750						-.6540	-.5930
.780			-.1780				
.775				-.3500	-.5830		
.800			-.0820				
.834	-.1300						
.850				-.2910	-.5420	-.6060	
.857			-.0340				
.885	-.1010						
.900	.0010			-.2380			-.5790
.905			-.0130				
.950				-.1750	-.4380	-.5670	
.953			.0130				
.985	.0190						

MACH (3) = .982 BETA (3) = -4.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4350	-.3840	-.1920	.1300	.0980	-.0210	-.3830
.050				-1.2700	-1.2920	-1.3120	-.6390
.081			-.6730				
.086		-.2130					
.094	-.4720						

AMES 11-707 OA12 OEA UPPER WING (RBPU09)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .918 BETA (2) = -4.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-1.2120	-1.1830	-1.1250	-.6360
.177			-.7410				
.229	-.2680						
.248		-.4580					
.250				-1.0850	-.9390	-.8810	-.6330
.362	-.3270						
.400				-.7710	-.7190		-.6280
.402			-.9380				
.497	-.6470						
.550				-.8030	-.6750		
.565			-.3990				
.600							-.6100
.650						-.6530	
.700	-.2500				-.6320		
.725				-.4280			
.750						-.6320	-.5970
.760			-.2400				
.775				-.3570	-.6110		
.808			-.1880				
.834	-.2850						
.850				-.3130	-.5780	-.6130	
.857			-.1430				
.863	-.2030						
.900	-.0680			-.2390			-.5780
.905			-.1120				
.950				-.1900	-.4980	-.5880	
.953			-.0790				
.965	-.0230						

MACH (2) = .888 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4870	-.3340	-.3340	-.0540	-.1350	-.2200	-.5980
.050				-1.3410	-1.1310	-1.1650	-.6740
.081			-.5370				
.088		-.2270					
.094	-.5770						
.150				-1.1580	-1.0150	-.9790	-.6770
.177			-.7300				
.229	-.3450						
.246		-.4350					
.250				-.9100	-.9840	-.8340	-.6650
.362	-.3280						
.400				-.7400	-.8020		-.6550
.402			-.7440				
.497	-.6570						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPUD9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .990 BETA (3) = .000

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.550				-.5830	-.7240		
.585			-.3840				-.8470
.600						-.6700	
.650					-.6530		
.700	-.2720			-.4840			
.725						-.6560	-.6320
.750							
.780			-.4310				
.775				-.3880	-.6210		
.800			-.4480				
.834	-.4430						
.850				-.3180	-.5830	-.6350	
.857			-.3080				
.865	-.3810						
.900	-.2050			-.2830			-.6120
.905			-.2630				
.950				-.1840	-.5080	-.6040	
.953			-.2010				
.965	-.0800						

MACH (2) = .800 BETA (4) = 4.800

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.000	-.5340	-.3280	-.4370	-.2550	-.3310	-.4330	-.7560
.050				-1.3550	-.9820	-.9440	-.6780
.081			-.4930				
.088		-.2840					
.094	-.6080						
.150				-.9710	-.9290	-.8370	-.6800
.177			-.6950				
.229	-.3310						
.248		-.4240					
.250				-.8320	-.8990	-.7770	-.6810
.382	-.2980						
.400				-.6890	-.8120		-.8840
.402			-.4930				
.497	-.3830						
.550				-.6870	-.7430		
.565			-.5880				
.600							-.6680
.650						-.6890	
.700	-.4060				-.8630		
.725				-.5180			
.750						-.6840	-.6480
.780			-.5800				
.775				-.4680	-.6330		

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AXES 11-707 OA12 CBA UPPER WING (RBPUL9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .890 BETA (4) = 4.200

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.5940				
.834	-.5580						
.850				-.3270	-.3980	-.6340	
.857			-.5980				
.865	-.4430						
.900	-.3040			-.2080			-.6150
.905			-.2080				
.950				-.2110	-.5020	-.6130	
.953			-.2210				
.965	-.1800						

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.6280	-.3580	-.5430	-.4750	-.5270	-.6570	-.8950
.050				-1.3840	-.9970	-.8510	-.7340
.081			-.5170				
.106		-.3360					
.094	-.7020						
.150				-.9630	-1.0180	-.8780	-.7280
.177			-.6790				
.229	-.3640						
.246		-.3800					
.250				-.7910	-.9230	-.8400	-.7330
.302	-.2320						
.400				-.6780	-.8310		-.7050
.402			-.5630				
.497	-.5510						
.550				-.6350	-.7540		
.565			-.6380				
.800							-.6730
.650						-.7040	
.700	-.3980				-.6880		
.725				-.5850			
.750						-.6770	-.6670
.760			-.7110				
.775				-.5170	-.6200		
.800			-.6410				
.834	-.5780						
.850				-.3510	-.6030	-.6490	
.857			-.4910				
.865	-.5750						
.900	-.4270			-.2770			-.6420
.905			-.2980				
.950				-.2110	-.4812	-.6180	
.953			-.2170				

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (RBPUU9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .950 BETA (5) = 0.330

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.985	-.1260						

ANES 11-707 OA12 OBA UPPER WING (RSPU10) (01 MAY 75)

REFERENCE DATA

SREF =	8.4219 SQ.FT.	XMRP =	20.5300 INCHES
LREF =	30.8400 INCHES	YMRP =	.0000 INCHES
BREF =	39.8400 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0300 SCALE		

PARAMETRIC DATA

ALPHA =	15.000	RUDDER =	-10.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) = -8.040

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	-.9580	-.8140	-1.1700	-1.1130	-1.1950	-1.2870	-1.4320
.050				-2.2820	-1.0270	-1.1320	-.7930
.081			-1.3620				
.086		-.8850					
.094	-.7450						
.150				-1.7240	-1.2860	-1.2106	-.8360
.177			-.9100				
.229	-.7580						
.262		-.9720					
.290				-1.1480	-1.0700	-.9780	-.8250
.362	-.8480						
.400				-.7020	-.9030		-.7730
.462			-.5480				
.487	-.8680						
.550				-.5980	-.7770		
.585			-.4110				
.650							-.7000
.690						-.7070	
.700	-.3690				-.8830		
.725				-.3880			
.750						-.6810	-.6820
.780			-.3680				
.775				-.2810	-.5430		
.818			-.2910				
.834	-.0880						
.850				-.2080	-.4870	-.6170	
.857			-.2950				
.888	-.0410						
.900	.0360			-.1570			-.6110
.905			-.2980				
.950				-.1030	-.3450	-.5380	
.953			-.2300				
.965	.0750						

MACH (1) = .900 BETA (2) = -3.960

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	-.6880	-.8050	-1.2500	-1.3380	-1.3080	-1.3650	-1.2380
.050				-2.0840	-1.3280	-.8810	-.7840
.081			-1.1580				
.086		-.6500					
.094	-.7840						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.980	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.150				-1.6230	-1.2390	-.9200	-.7640
	.177			-.6760				
	.229	-.8360						
	.248		-.9790					
	.250				-1.0840	-1.0130	-.8080	-.7550
	.362	-.9640						
	.400				-.7700	-.8910		-.7350
	.402			-.9830				
	.497	-.8840						
	.550				-.6340	-.7890		
	.565			-.4990				
	.800							-.6980
	.850						-.7370	
	.700	-.4180				-.7080		
	.725				-.4710			
	.750						-.7010	-.6880
	.780			-.4780				
	.775				-.3730	-.6210		
	.848			-.4510				
	.834	-.2270						
	.850				-.3140	-.5780	-.6470	
	.857			-.4240				
	.868	-.1480						
	.900	-.0880			-.2580			-.6410
	.905			-.3080				
	.950				-.1880	-.4080	-.5820	
	.953			-.2897				
	.965	.0240						

MACH (1) = .888 BETA (3) = .080	Y/BW	.290	.384	.427	.534	.673	.780	.887
	X/CW							
	.100	-.8040	-.6800	-1.3390	-1.6130	-1.4090	-1.3290	-1.2210
	.050				-2.0720	-1.2590	-.8640	-.7980
	.081			-1.0880				
	.086		-.6700					
	.094	-.8980						
	.130				-1.5280	-1.1620	-.8340	-.7890
	.177			-.8920				
	.229	-.8900						
	.248		-.9640					
	.250				-.9920	-1.0080	-.8700	-.7860
	.362	-.9390						
	.400				-.7900	-.9010		-.7580
	.402			-.8880				
	.497	-.7840						

AMES 11-7D7 OA12 OBA UPPER WING (RBPU1D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.350				-.8840	-.8230		
.565			-.8330				
.600							-.7280
.650						-.7540	
.700	-.4580				-.7370		
.725				-.5310			
.750						-.7130	-.7010
.760			-.9750				
.775				-.4380	-.6550		
.800			-.5020				
.834	-.2860						
.850				-.3850	-.5880	-.6820	
.857			-.4510				
.885	-.1660						
.900	-.1050			-.3040			-.6830
.905			-.3820				
.950				-.2490	-.3860	-.6010	
.953			-.2470				
.965	-.6010						

MACH (1) = .900 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9870	-.8680	-1.4380	-1.9280	-1.7280	-1.3610	-1.1760
.050				-2.4280	-1.3780	-.9940	-.8540
.081			-1.0070				
.106		-.7580					
.094	-1.0110						
.150				-1.2540	-1.2680	-.9860	-.8430
.177			-.8820				
.229	-.9390						
.246		-.9790					
.250				-.9840	-1.1580	-.9510	-.8220
.362	-.8140						
.400				-.8220	-.9740		-.7900
.402			-.7980				
.497	-.7230						
.550				-.6820	-.8700		
.565			-.8010				
.600							-.7560
.650						-.7910	
.700	-.4880				-.7320		
.725				-.5220			
.750						-.7350	-.7310
.760			-.5820				
.775				-.4530	-.6170		

DATE 18 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-707 CA12 CEA UPPER WING (REPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.170

Y/BM	.299	.384	.427	.534	.675	.780	.887
X/CM							
.808			-.4930				
.834	-.2950						
.830				-.4040	-.3160	-.6660	
.857			-.4200				
.885	-.1840						
.900	-.1060			-.3330			-.6960
.905			-.3080				
.850				-.2770	-.3450	-.5980	
.853			-.1870				
.965	-.0140						

MACH (1) = .802 BETA (5) = 8.250

Y/BM	.299	.384	.427	.534	.675	.780	.887
X/CM							
.000	-1.0110	-.7080	-1.3040	-2.1910	-1.9100	-1.3750	-1.0800
.050				-2.5510	-1.5150	-1.0810	-.9660
.081			-.9940				
.088		-.7120					
.084	-1.1540						
.130				-.8560	-1.3810	-1.0380	-.8800
.177			-.9060				
.229	-.9130						
.248		-.9010					
.250				-.8810	-1.2080	-.9610	-.8430
.302	-.7300						
.400				-.7020	-.9080		-.8250
.402			-.9040				
.497	-.6940						
.550				-.6800	-.8510		
.505			-.8880				
.600							-.7800
.650						-.7950	
.700	-.5130				-.8060		
.725				-.5800			
.750						-.7310	-.7570
.780			-.5750				
.775				-.5040	-.5700		
.808			-.4800				
.834	-.3230						
.850				-.4480	-.4630	-.6570	
.857			-.3730				
.885	-.2000						
.900	-.1180			-.3800			-.7150
.905			-.2850				
.950				-.3030	-.3050	-.5250	
.953			-.1570				

AMES 11-897-0042 OBA UPPER WING (REPUTED)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .861 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0150						

MACH (2) = .902 BETA (1) = -8.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5270	-.4100	-.4110	-.0640	-.1150	-.2080	-.5480
.050				-1.1380	-.8680	-.7980	-.7750
.081			-.8310				
.086		-.4880					
.094	-.4910						
.150				-1.1350	-.8060	-.7270	-.6870
.177			-.8590				
.229	-.4950						
.246		-.6230					
.250				-.9080	-.8830	-.7270	-.6830
.382	-.4580						
.400				-.8080	-.7340		-.6810
.402			-.7330				
.497	-.8270						
.550				-.7440	-.7320		
.565			-.6800				
.600							-.6710
.650						-.7010	
.700	-.4370				-.7040		
.725				-.7000			
.750						-.8040	-.8670
.760			-.6590				
.775				-.8480	-.6950		
.808			-.6167				
.834	-.4650						
.850				-.6810	-.6730	-.6810	
.857			-.4570				
.865	-.4310						
.900	-.2380			-.5580			-.6800
.905			-.4980				
.950				-.4840	-.6340	-.6800	
.953			-.4510				
.965	-.0570						

MACH (2) = .900 BETA (2) = -4.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7710	-.4420	-.5930	-.2700	-.3040	-.4180	-.7320
.050				-1.0580	-.7740	-.7740	-.7430
.081			-.6950				
.086		-.4210					
.094	-.5810						

AMES 11-7D7 OA12 OZA UPPER WING (RDPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = -4.080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.150				-.9430	-.7970	-.7550	-.7510
.177			-.8220				
.229	-.6400						
.246		-.6380					
.250				-.8330	-.8110	-.7420	-.7210
.362	-.5940						
.400				-.7880	-.7770		-.7180
.402			-.8790				
.497	-.6840						
.550				-.7730	-.7590		
.585			-.8750				
.600							-.7240
.650						-.7470	
.710	-.4880				-.7450		
.725				-.7580			
.750						-.7370	-.7170
.780			-.7280				
.775				-.6860	-.7330		
.808			-.7760				
.834	-.5830						
.850				-.6390	-.7190	-.7240	
.857			-.6270				
.885	-.6540						
.910	-.5080			-.8010			-.7170
.905			-.4580				
.930				-.5430	-.6870	-.7190	
.953			-.4440				
.985	-.0880						

MACH (2) = .908 BETA (3) = .080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.9250	-.9080	-.7480	-.4880	-.5010	-.8220	-.8680
.050				-1.0360	-.8260	-.8100	-.7740
.081			-.7070				
.086		-.4850					
.084	-.5050						
.150				-.9520	-.8270	-.7820	-.7840
.177			-.8070				
.229	-.7250						
.246		-.8080					
.250				-.8810	-.8180	-.7810	-.7580
.362	-.5860						
.400				-.8130	-.8010		-.7830
.402			-.8390				
.497	-.7840						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

ANES.11-702 OASB. OBA. UPPER WING (RBPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .000

Y/BW X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.7930	-.7880		
.585			-.8040				
.600							-.7580
.650						-.7800	
.700	-.4450				-.7780		
.725				-.7840			
.750						-.7700	-.7590
.780			-.8580				
.775				-.7350	-.7900		
.808			-.8760				
.834	-.6320						
.850				-.8640	-.7500	-.7580	
.857			-.7340				
.885	-.8800						
.900	-.8550			-.5380			-.7580
.915			-.3880				
.930				-.4820	-.7280	-.7540	
.953			-.3950				
.965	-.1540						

MACH (2) = .901 BETA (4) = 4.000

Y/BW X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-1.0380	-.5550	-.6040	-.8980	-.7020	-.8280	-.9490
.050				-1.1960	-.9260	-.8450	-.8060
.081			-.6520				
.088		-.5150					
.094	-.7080						
.150				-1.1020	-.8940	-.8220	-.7990
.177			-.7930				
.229	-.7820						
.248		-.5820					
.250				-.9070	-.8680	-.8110	-.8000
.382	-.4930						
.400				-.8540	-.8420		-.7990
.402			-.8880				
.497	-.7280						
.550				-.8030	-.8270		
.565			-.7790				
.600							-.7640
.650						-.7980	
.700	-.4190				-.7990		
.725				-.8170			
.750						-.7900	-.7760
.760			-.9050				
.775				-.7790	-.7780		

AMES 11-707 OA12 CEA UPPER WING (RBPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (4) = 4.200	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.848			-.9050				
	.834	-.6930						
	.850				-.5500	-.7620	-.7810	
	.857			-.7310				
	.865	-.7210						
	.910	-.5400			-.4580			-.7670
	.905			-.4960				
	.930				-.4220	-.6550	-.7750	
	.953			-.3520				
	.965	-.1650						

MACH (2) = .900 BETA (5) = 8.350	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.000	-.9490	-.5880	-.8010	-.8800	-.9480	-.9740	-.9070
	.050				-1.4320	-1.0180	-.8340	-.8150
	.081			-.8280				
	.088		-.5120					
	.094	-.8570						
	.150				-1.4610	-.9360	-.8280	-.8160
	.177			-.8100				
	.229	-.7140						
	.248		-.5580					
	.250				-.7800	-.8830	-.8280	-.8090
	.362	-.4250						
	.400				-.7880	-.8880		-.8070
	.402			-.8030				
	.407	-.7010						
	.550				-.8120	-.8230		
	.585			-.7410				
	.600							-.7950
	.650						-.8020	
	.700	-.4380				-.7950		
	.725				-.8390			
	.750						-.7780	-.7700
	.760			-.8870				
	.775				-.8180	-.7370		
	.808			-.9400				
	.834	-.6850						
	.850				-.5300	-.6980	-.7570	
	.857			-.7820				
	.865	-.7230						
	.910	-.6080			-.4330			-.7640
	.905			-.5180				
	.950				-.3990	-.5580	-.7330	
	.953			-.3130				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

'AMES 11-307 CH12 CEA 'UPPER WING (REPUNI)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .940 BETA (5) = 0.330

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.2190						

AMES 11-707 OA12 OPA UPPER WING (RBPU11) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 30.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8750	-.7750	-1.7870	-1.8180	-1.5140	-1.4380	-1.2850
.050				-1.8980	-1.1840	-1.0200	-.9480
.081			-1.4080				
.108		-.9830					
.094	-.8080						
.150				-1.4330	-1.1770	-1.0450	-.9360
.177			-1.2100				
.229	-1.0840						
.248		-1.2250					
.250				-1.2910	-1.1350	-1.0010	-.9300
.302	-1.4250						
.400				-1.1870	-1.0790		-.9550
.402			-1.0070				
.497	-1.2770						
.550				-1.1090	-1.0000		
.565			-.9380				
.600							-.9430
.650						-.9780	
.700	-.9830				-.9280		
.725				-.7980			
.750						-.9[illegible]	[illegible]
.760			-.7290				
.775				-.8880	-[illegible]		
.808			-.5750				
.834	-.0800						
.850				-.8080	-.7070	-.8930	
.857			-.4080				
.865	-.0830						
.900	.0000			-.5480			-.8810
.905			-.3850				
.950				-.9010	-.9280	-.8080	
.953			-.2480				
.965	-.0190						

MACH (1) = .300 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0480	-.8080	-1.9810	-2.0080	-1.6270	-1.4630	-1.2700
.050				-1.8250	-1.2710	-1.1190	-1.0120
.081			-1.4330				
.088		-.9990					
.094	-1.0110						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 ORA UPPER WING (RBP013)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.980

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.897
.150				-1.5840	-1.2470	-1.1140	-1.0140
.177			-1.2280				
.229	-1.3540						
.248		-1.2440					
.250				-1.3870	-1.2160	-1.1050	-1.0080
.382	-1.4230						
.400				-1.2170	-1.1480		-1.0140
.402			-1.0320				
.497	-1.1990						
.550				-1.0490	-1.0880		
.565			-1.0500				
.600							-.9770
.650						-1.0190	
.700	-.6030				-.9610		
.725				-.7800			
.750						-.9440	-.9310
.760			-.7730				
.775				-.6900	-.8380		
.808			-.5810				
.834	-.1080						
.850				-.6350	-.7230	-.8580	
.857			-.4510				
.865	-.0410						
.900	.0220			-.5610			-.8440
.925			-.2880				
.950				-.5230	-.5360	-.6690	
.933			-.1820				
.965	-.0040						

MACH (1) = .598 BETA (3) = .000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.897
.000	-1.2080	-.9820	-2.0280	-2.3230	-1.5290	-1.2380	-1.2080
.050				-1.9780	-1.3380	-1.1780	-1.0680
.081			-1.3140				
.086		-1.0550					
.094	-1.1670						
.150				-1.6770	-1.3160	-1.1690	-1.0700
.177			-1.2840				
.229	-1.5020						
.248		-1.2190					
.250				-1.3870	-1.2590	-1.1680	-1.0620
.362	-1.2930						
.400				-1.2310	-1.1990		-1.0590
.402			-1.0880				
.497	-1.0960						

AMES 11-7ft OA12 OA2 UPPER WING (RBPU11)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (3) = .000

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-1.0800	-1.1130		
.585			-1.1610				
.600							-1.0130
.650						-1.0360	
.700	-.7920				-.9360		
.725				-.8830			
.750						-.9730	-.9700
.780			-.7410				
.775				-.7480	-.8420		
.809			-.5230				
.834	-.1750						
.850				-.8840	-.7420	-.8850	
.857			-.3800				
.885	-.0880						
.900	-.0410			-.5800			-.8580
.915			-.2110				
.950				-.5120	-.5330	-.8850	
.953			-.1240				
.985	.0140						

MACH (1) = .800 BETA (4) = 4.180

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-1.3110	-1.0190	-2.0000	-2.4080	-1.8280	-1.3120	-1.1770
.050				-2.3280	-1.5110	-1.2880	-1.1150
.081			-1.3250				
.096		-1.0180					
.104	-1.3240						
.150				-1.8870	-1.4510	-1.2520	-1.1120
.177			-1.1880				
.229	-1.5160						
.246		-1.3180					
.250				-1.3360	-1.4050	-1.2200	-1.0800
.302	-1.1720						
.400				-1.2120	-1.2570		-1.0870
.402			-1.1880				
.497	-.9800						
.550				-1.0800	-1.1350		
.585			-1.1820				
.600							-1.0370
.650						-1.0490	
.700	-.8080				-.9140		
.725				-.8910			
.750						-.9440	-.9090
.780			-.8830				
.775				-.8210	-.8030		

AMES 11-FT CA12 CA12A UPPER WING (RBP081)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (4) = 4.190

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.848			-.5110				
.834	-.2720						
.850				-.7210	-.7120	-.6380	
.857			-.3670				
.885	-.1100						
.930	-.0420			-.3880			-.0590
.905			-.1780				
.950				-.4890	-.5200	-.6720	
.953			-.0450				
.985	.0170						

MACH (1) = .900 BETA (5) = 8.310

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.3980	-1.0470	-1.9840	-2.7720	-1.6380	-1.3530	-1.1910
.050				-2.3190	-1.6540	-1.3150	-1.1430
.086			-1.3070				
.088		-.9800					
.094	-1.3100						
.150				-1.8380	-1.5880	-1.2910	-1.1580
.177			-1.1570				
.229	-1.4610						
.246		-1.2110					
.250				-1.2850	-1.4550	-1.2880	-1.1360
.362	-1.0790						
.400				-1.2120	-1.2800		-1.0950
.402			-1.2560				
.497	-.9800						
.550				-1.1100	-1.1090		
.585			-1.1790				
.800							-1.0440
.650						-1.0380	
.700	-.8900				-.8870		
.725				-.9710			
.750						-.9110	-.9790
.780			-.8840				
.775				-.8700	-.8650		
.808			-.4710				
.834	-.2290						
.850				-.7080	-.7110	-.6290	
.857			-.3290				
.865	-.1050						
.900	-.0430			-.5740			-.0690
.905			-.1820				
.950				-.4260	-.4960	-.6630	
.953			-.0720				

AMES 11-707 OA12 ORA UPPER WING (RBPU11)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.310

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	.6670						

MACH (2) = .900 BETA (1) = -8.080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.7580	-.9050	-.9010	-.9180	-.8080	-.8220	-.8080
.050				-.8580	-.8380	-.8080	-.7430
.061			-.9460				
.066		-.8880					
.084	-.7370						
.150				-.8540	-.8680	-.8980	-.7490
.177			-.8780				
.229	-.9630						
.246		-.7480					
.250				-.8880	-.8880	-.9790	-.7730
.362	-.7830						
.400				-.8810	-.8780		-.7680
.452			-.8790				
.497	-.9880						
.550				-.8880	-.8530		
.565			-.8700				
.600							-.7710
.650						-.7940	
.700	-.8830				-.8080		
.725				-.8110			
.750						-.7900	-.7770
.760			-.6730				
.775				-.7720	-.8000		
.808			-.6470				
.834	-.5780						
.850				-.7420	-.7770	-.7820	
.857			-.6570				
.865	-.3880						
.900	-.2990			-.8810			-.7600
.905			-.5480				
.950				-.8080	-.7720	-.7860	
.953			-.4870				
.965	-.2350						

MACH (3) = .900 BETA (2) = -3.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3480	-.7230	-1.1030	-.7080	-.7150	-.8270	-1.0200
.050				-.9710	-.9170	-.9270	-.8110
.061			-.9220				
.066		-.8610					
.084	-.9780						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

NASA 55-097 OA12 60A UPPER WING (RDPU11)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -3.980

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.150				-.9310	-.9230	-.9530	-.8190
.177			-.9100				
.229	-.8380						
.246		-.8080					
.250				-.9330	-.9250	-1.0530	-.8280
.362	-.8080						
.400				-.9390	-.9270		-.8470
.402			-.9080				
.497	-.9840						
.550				-.9240	-.9250		
.585			-.9080				
.600							-.8460
.650						-.8700	
.700	-.4740				-.8830		
.725				-.8980			
.750						-.8610	-.8340
.760			-.6530				
.775				-.8080	-.8560		
.808			-.6830				
.834	-.4080						
.850				-.8840	-.8450	-.8560	
.857			-.6720				
.865	-.3220						
.900	-.2580			-.6480			-.8290
.905			-.5440				
.950				-.5910	-.7940	-.8540	
.953			-.4870				
.985	-.2710						

MACH (2) = .900 BETA (3) = .080

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.000	-1.1070	-.7860	-1.0860	-.8948	-.9080	-.9930	-1.0880
.050				-.9600	-.9120	-.9080	-.8340
.081			-.7790				
.086		-.7080					
.094	-1.0250						
.150				-.9400	-.9130	-.9270	-.8330
.177			-.8930				
.229	-1.0200						
.246		-.7700					
.250				-.9300	-.9270	-.9840	-.8570
.362	-.8120						
.400				-.9430	-.9250		-.8620
.402			-.9340				
.497	-.9740						

AMES 11-707 OA12 CEA UPPER WING (RSPU11)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .080

Y/BM / X/CM	.290	.384	.427	.534	.675	.780	.907
.550				-.0190	-.0130		
.588			-.0940				
.600							-.0740
.650						-.0090	
.700	-.0000				-.0080		
.720				-.0190			
.750						-.0000	-.0070
.760			-.0080				
.775				-.0120	-.0750		
.808			-.4780				
.834	-.4080						
.850				-.7910	-.0080	-.0080	
.857			-.3480				
.868	-.3300						
.900	-.2870			-.0470			-.0870
.906			-.5370				
.930				-.4050	-.7910	-.0020	
.953			-.4750				
.985	-.2800						

MACH (2) = .900 BETA (4) = 4.120

Y/BM / X/CM	.290	.384	.427	.534	.675	.780	.907
.000	-3.2450	-.0840	-1.0700	-1.0500	-1.0450	-.9480	-.9720
.050				-1.0120	-.9300	-.9070	-.8780
.081			-.7850				
.098		-.7140					
.094	-1.0850						
.150				-.9830	-.9430	-.9120	-.8480
.177			-.8080				
.229	-.9010						
.245		-.7840					
.250				-.9540	-.9270	-.9080	-.8080
.382	-.7270						
.400				-.9580	-.9270		-.8080
.402			-.9480				
.407	-.9110						
.550				-.9370	-.9130		
.585			-.8040				
.600							-.8780
.650						-.8830	
.700	-.5880				-.8830		
.725				-.8980			
.750						-.8800	-.8560
.780			-.7200				
.775				-.8830	-.8700		

AMES 1A-759 OAAR CB4 UPPER WING (RBPW31)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.230

Y/BW X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.3190				
.834	-.4450						
.850				-.7290	-.8460	-.8870	
.857			-.4800				
.865	-.3190						
.900	-.2880			-.6340			-.8530
.905			-.4710				
.930				-.4810	-.8060	-.8310	
.933			-.4360				
.965	-.2580						

MACH (2) = .901 BETA (5) = 8.360

Y/BW X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-1.3410	-.9830	-1.0340	-1.1880	-.9800	-.9280	-.9480
.030				-1.3940	-.9480	-.9460	-.9090
.062			-.8380				
.068		-.7470					
.094	-1.1770						
.150				-1.1580	-.9440	-.9480	-.8980
.177			-.9080				
.229	-.8610						
.246		-.7530					
.250				-1.1820	-.8310	-.9320	-.8980
.362	-.9980						
.400				-.9410	-.8540		-.9100
.402			-.9650				
.497	-.8700						
.550				-.9320	-.9330		
.565			-.7830				
.600							-.8850
.650						-.9020	
.700	-.8270				-.8680		
.725				-.7110			
.750						-.8770	-.9670
.760			-.7320				
.775				-.8080	-.8260		
.808			-.6740				
.834	-.4080						
.850				-.5840	-.7890	-.8330	
.857			-.5360				
.865	-.3820						
.900	-.3080			-.3470			-.8470
.905			-.4700				
.930				-.4700	-.5820	-.7290	
.933			-.4000				

AMES 11-707 OA12 OEA UPPER WING (RBPU11)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = 8.380

Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW							
.900	-.1880						

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-foot OA12 OBA UPPER WING (REPUN2) (04 NOV 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.3300 INCHES
LREF = 30.0480 INCHES YMRP = .0000 INCHES
BREF = 39.8480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -7.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0080	-.0380	.3870	.5080	.4000	.3870	.3680
.050				-.0840	-.1280	-.1430	-.1540
.101			-.1080				
.106		.0910					
.094	.0910						
.150				-.3440	-.3980	-.5340	-.5480
.177			-.2160				
.229	.0850						
.246		-.0840					
.250				-.3780	-.4480	-.4800	-.4880
.302	-.0550						
.400				-.3310	-.4210		-.4710
.402			-.2480				
.497	-.1180						
.550				-.1830	-.2570		
.565			-.1300				
.600							-.2550
.650						-.1480	
.700	-.0580				-.0680		
.725				.0020			
.750						.0020	-.0070
.760			.0350				
.775				.0770	.0440		
.808			.0700				
.834	.0880						
.850				.1100	.1000	.1010	
.897			.0970				
.885	.0830						
.900	.0890			.1180			.1040
.905			.1000				
.950				.1240	.1350	.1330	
.953			.0980				
.965	.0810						

MACH (1) = .600 BETA (2) = -5.930

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0000	.0050	.3320	.5490	.5320	.5330	.4810
.050				-.1430	-.1760	-.2630	-.2690
.101			-.1440				
.106		.0570					
.094	.0530						

AMES 11-707 OA12 CEA UPPER WING (REPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (2) = -3.950

Y/BW / X/CW	.299	.364	.427	.534	.675	.780	.867
.150				-.3300	-.4170	-.5530	-.5470
.177			-.2310				
.229	.0110						
.248		-.0090					
.250				-.4090	-.4670	-.4930	-.4920
.302	-.0760						
.400				-.3790	-.4430		-.4740
.402			-.2940				
.497	-.1510						
.550				-.2250	-.2840		
.565			-.1830				
.600							-.2870
.650						-.1610	
.700	-.1150				-.0920		
.725				-.0550			
.750						-.0070	-.0360
.780			.0080				
.775				.0440	.0240		
.808			.0400				
.834	.0120						
.850				.0890	.0880	.0870	
.857			.0850				
.865	.0260						
.900	.0560			.1000			.1080
.905			.0770				
.930				.1180	.1280	.1300	
.953			.0890				
.985	.0450						

MACH (1) = .900 BETA (2) = .100

Y/BW / X/CW	.299	.364	.427	.534	.675	.780	.867
.000	-.0930	.0000	.2930	.4080	.4590	.4520	.3750
.050				-.1970	-.2320	-.3180	-.3180
.081			-.1800				
.086		.0810					
.104	.0170						
.150				-.3530	-.4430	-.5740	-.5710
.177			-.2480				
.229	-.0170						
.248		-.1080					
.250				-.4250	-.4970	-.5130	-.5040
.302	-.1000						
.400				-.4090	-.4670		-.4850
.402			-.3420				
.497	-.1780						

DATE 18 SEP 73 TABULATED PRESSURE DATA - CA1BA

AMES 11-7OF CA1B CBA- UPPER WING (INPUT2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (3) = .100

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.2700	-.3140		
.565			-.2340				
.600							-.2710
.650						-.1790	
.700	-.1780				-.1130		
.725				-.0780			
.750						-.0890	-.0430
.780			-.0480				
.775				.0110	.0020		
.800			.0040				
.834	-.0480						
.850				.0580	.0670	.0830	
.857			.0330				
.865	-.0800						
.900	.0210			.0810			.1080
.905			.0480				
.950				.0690	.1210	.1240	
.953			.0810				
.965	.0210						

MACH (1) = .601 BETA (4) = 4.210

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0890	-.0210	.2520	.4570	.3870	.3820	.2840
.080				-.2380	-.2740	-.3680	-.3700
.081			-.2070				
.086		-.0030					
.094	.0080						
.150				-.3690	-.4570	-.5840	-.5570
.177			-.2620				
.229	-.0290						
.246		-.1240					
.250				-.4340	-.4970	-.5150	-.4090
.362	-.1040						
.400				-.4230	-.4800		-.4910
.402			-.3700				
.497	-.1900						
.550				-.2990	-.3330		
.565			-.2740				
.600							-.2690
.650						-.1850	
.700	-.2240				-.1330		
.725				-.0940			
.750						-.0340	-.0340
.780		8	-.0700				
.775				-.0080	-.0090		

AMES 11-707 CA12 CBA UPPER WING (REPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.0230				
.834	-.0790						
.830				.0480	.0800	.0820	
.837			.0180				
.865	-.0850						
.900	-.0080			.0790			.1100
.905			.0340				
.930				.0850	.1150	.1230	
.953			.0360				
.985	-.0050						

MACH (1) = .900 BETA (9) = 8.330

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1810	-.0690	.1790	.3680	.2830	.2830	.1440
.080				-.2830	-.3370	-.4290	-.4530
.081			-.2390				
.088		-.0180					
.084	-.0140						
.150				-.5800	-.5000	-.6080	-.5730
.177			-.2710				
.229	-.0510						
.248		-.1370					
.250				-.4580	-.5280	-.5350	-.5130
.302	-.1160						
.400				-.4550	-.4080		-.4070
.402			-.4100				
.497	-.2150						
.500				-.3380	-.3490		
.585			-.3280				
.600							-.2820
.680						-.1930	
.700	-.2080				-.1480		
.725				-.1230			
.750						-.0420	-.0350
.780			-.1080				
.775				-.0310	-.0280		
.808			-.0320				
.834	-.1150						
.850				.0800	.0480	.0700	
.857			-.0100				
.865	-.0790						
.900	-.0950			.0510			.1070
.905			.0150				
.950				.0810	.1080	.1180	
.953			.0400				

AMES-11-787-CA12 CBA UPPER WING (REPORT)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (5) = 8.330	Y/BW	.299	.384	.427	.534	.673	.750	.887
	X/CW							
	.365	-.0140						
MACH (2) = .901 BETA (1) = -8.080	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.000	.0200	-.0130	.4400	.6820	.6820	.6500	.6000
	.030				-.0080	-.0200	-.0900	-.1940
	.081			-.0320				
	.086		.1250					
	.094	.1180						
	.150				-.3130	-.3820	-.5300	-.5970
	.177			-.1710				
	.229	.0700						
	.246		.0140					
	.250				-.4870	-.5870	-.6130	-.7430
	.362	.0040						
	.400				-.4430	-.6550		-.7720
	.402			-.3080				
	.497	-.1150						
	.550				-.3070	-.5280		
	.565			-.2000				
	.800							-.3990
	.850						-.1070	
	.710	-.1170				-.0140		
	.725				.0280			
	.750						.0800	.0690
	.780			.0540				
	.775				.1100	.0960		
	.808			.0990				
	.834	.0480						
	.850				.1500	.1470	.1670	
	.857			.1300				
	.885	.0960						
	.900	.1330			.1480			.1380
	.905			.1270				
	.950				.1320	.1280	.1390	
	.955			.1120				
	.965	.0980						
MACH (2) = .900 BETA (2) = -4.000	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.000	.0150	.0210	.4040	.6210	.5830	.5690	.5110
	.050				-.0660	-.0750	-.1480	-.1680
	.061			-.0710				
	.086		.0880					
	.094	.0760						

AMES 11-707 OA12 OEA UPPER WING (RDPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3030	-.4050	-.5080	-.6370
.177			-.1830				
.229	.0480						
.246		-.0200					
.250				-.4580	-.5710	-.6820	-.7840
.302	-.0240						
.400				-.4490	-.6090		-.7980
.402			-.3350				
.497	-.1400						
.550				-.3770	-.5810		
.585			-.3190				
.600							-.4850
.650						-.2080	
.700	-.2220				-.0880		
.725				-.0580			
.750						-.0090	-.0070
.780			.0020				
.775				.0800	.0560		
.809			.0530				
.834	-.0410						
.850				.1120	.1270	.1480	
.857			.0850				
.885	.0870						
.900	.0740			.1270			.1580
.905			.1040				
.950				.1280	.1290	.1380	
.953			.0870				
.985	.0570						

MACH (2) = .900 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0880	.0890	.3810	.5360	.5100	.4910	.4280
.050				-.0980	-.1220	-.2080	-.2410
.081			-.1080				
.088		.0580					
.104	.0560						
.150				-.2980	-.4180	-.5840	-.6830
.177			-.1780				
.229	.0810						
.248		-.0380					
.250				-.4430	-.5640	-.6130	-.7250
.302	-.0400						
.400				-.4470	-.5640		-.7810
.402			-.3780				
.497	-.1390						

AMES 11-7X7 CA12 CBA UPPER WING (CBPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .100

Y/BW	.259	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4470	-.6140		
.585			-.3960				
.600							-.0490
.650						-.5540	
.700	-.2900				-.4480		
.725				-.3810			
.750						-.1430	-.1980
.780			-.2080				
.775				-.0190	-.0690		
.808			-.0870				
.834	-.2800						
.850				.0530	.0510	-.1080	
.857			.0320				
.885	-.0700						
.900	.0020			.0080			.0110
.905			.0840				
.950				.0080	.1150	.0800	
.953			.0700				
.985	.0280						

MACH (2) = .900 BETA (4) = 4.280

Y/BW	.259	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0090	-.0050	.3070	.4080	.4300	.4130	.3280
.050				-.1350	-.1570	-.2430	-.2990
.081			-.1250				
.106		.0510					
.094	.0580						
.150				-.2900	-.4140	-.5940	-.6670
177			-.1750				
.229	.0110						
.248		-.0510					
.250				-.4310	-.5350	-.5690	-.7250
.362	-.0480						
.400				-.4530	-.5520		-.7310
.402			-.3720				
.497	-.1370						
.550				-.4870	-.6280		
.565			-.4220				
.800							-.8720
.650						-.7700	
.700	-.3280				-.6990		
.725				-.5780			
.750						-.2900	-.2650
.780			-.4900				
.775				-.3330	-.3090		

AMES 11-707 OA12 OEA UPPER WING (REPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.280	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.308			-.2300				
	.834	-.4830						
	.850				-.0880	-.1040	-.1610	
	.857			-.0940				
	.865	-.3080						
	.900	-.1370			.0190			-.1200
	.905			-.0290				
	.950				.0560	.0480	.0030	
	.953			.0160				
	.965	-.0800						

MACH (2) = .900 BETA (5) = 8.450	Y/BW	.299	.384	.427	.534	.673	.780	.887
	X/CW							
	.000	-.1400	-.0170	.2140	.4180	.3480	.3320	.2290
	.050				-.1820	-.1930	-.2930	-.3560
	.081			-.1180				
	.086		.0210					
	.094	.0130						
	.150				-.2910	-.4110	-.6010	-.6440
	.177			-.1880				
	.229	.0170						
	.248		-.0440					
	.250				-.4150	-.4950	-.5480	-.6860
	.302	-.0290						
	.400				-.4510	-.5530		-.7250
	.402			-.3590				
	.497	-.1250						
	.550				-.5000	-.6290		
	.565			-.4380				
	.600							-.8760
	.650						-.7760	
	.700	-.3480				-.7220		
	.725				-.6190			
	.750						-.3130	-.2870
	.760			-.5360				
	.775				-.4820	-.5310		
	.808			-.4780				
	.834	-.5120						
	.850				-.1410	-.1380	-.1750	
	.857			-.1940				
	.865	-.4040						
	.900	-.2440			-.0430			-.1180
	.905			-.0680				
	.950				.0220	.0080	-.0300	
	.953			.0120				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES-11-703.OA12 OGA UPPER WING (RBPU12)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (5) = 0.450

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.0590						

AMES 11-707 OA12 CRA UPPER WING (RBPU13) (01 MAY 73)

REFERENCE DATA

SREF = 2.4010 SQ.FT. XMRP = 30.3300 INCHES
LREF = 30.0400 INCHES YMRP = .0000 INCHES
BREF = 30.0400 INCHES ZMRP = .0000 INCHES
SCALE = .0800 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) = -0.000

Y/BW X/CW	.290	.384	.427	.534	.673	.780	.887
.000	-.0690	-.2610	.2980	.4830	.3380	.2730	-.1250
.050				-.7080	-.8130	-.9870	-.9910
.081			-.6090				
.088		-.6080					
.094	.0130						
.150				-.8840	-.8150	-1.0080	-1.0330
.177			-.9140				
.229	-.0880						
.248		-.3880					
.350				-.6080	-.7190	-.7680	-.7600
.362	-.1880						
.400				-.4320	-.9600		-.6780
.402			-.3490				
.477	-.2880						
.500				-.2210	-.3040		
.545			-.1600				
.582							-.3540
.650						-.1080	
.700	-.1040				-.0760		
.720				-.0240			
.750						-.1070	-.1110
.752			.0180				
.775				.0680	.0810		
.818			.0010				
.864	.0070						
.880				.1060	.0910	.0780	
.887			.0010				
.888	.0780						
.900	.1100			.1800			.0430
.906			.0080				
.930				.1280	.1380	.1180	
.953			.0040				
.968	.0040						

MACH (1) = .900 BETA (2) = -3.970

Y/BW X/CW	.290	.384	.427	.534	.673	.780	.887
.000	-.2120	-.1770	.1280	.3080	.1630	.1030	-.3490
.050				-.7310	-.8390	-1.0430	-1.0800
.081			-.0870				
.088		-.1020					
.094	-.0380						

AMES 12-FOOT CA12 CBA UPPER WING (RBPU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.970

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-.6790	-.8450	-1.0440	-1.0580
.177			-.5380				
.229	-.0830						
.246		-.3530					
.250				-.6380	-.7500	-.7800	-.7750
.362	-.2590						
.400				-.4780	-.5880		-.6780
.402			-.3970				
.497	-.2970						
.550				-.2620	-.3270		
.585			-.2210				
.600							-.3620
.650						-.2000	
.700	-.1750				-.1030		
.725				-.0380			
.750						-.0440	-.1110
.760			-.0270				
.775				.0350	.0080		
.808			.0170				
.834	.0080						
.850				.0780	.0750	.0630	
.857			.0540				
.865	.0840						
.900	.0780			.1010			.0390
.905			.0720				
.950				.1150	.1220	.1110	
.955			.0680				
.985	.0800						

MACH (1) = .800 BETA (3) = .100

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3080	-.3170	.0000	.1510	.0800	-.0850	-.5780
.050				-.7880	-.9020	-1.1040	-1.1430
.081			-.6060				
.096		-.1220					
.094	-.0770						
.150				-.6810	-.8600	-1.0280	-1.0090
.177			-.5330				
.229	-.1070						
.246		-.3530					
.250				-.6400	-.7580	-.7830	-.7830
.362	-.2680						
.400				-.5020	-.5920		-.6680
.402			-.4330				
.497	-.3190						

AMES 11-707 OA12 ORA UPPER WING (REVU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .300 BETA (3) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.2970	-.3540		
.588			-.2810				
.600							-.3800
.650						-.2110	
.700	-.2240				-.1220		
.725				-.0700			
.750						-.0580	-.1130
.760			-.0720				
.775				.0010	-.0120		
.808			-.0230				
.834	-.0580						
.850				.0470	.0540	.0530	
.857			.0180				
.865	-.0130						
.900	.0400			.0780			.0490
.908			.0490				
.950				.1000	.1120	.1080	
.953			.0710				
.985	.0410						

MACH (1) = .300 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3680	-.3110	-.1740	-.0870	-.1780	-.0480	-.0440
.050				-.8050	-.9[illegible]	-1.1480	-1.1090
.081			-.6820				
.086		-.1500					
.094	-.5330						
.130				-.8850	-.8800	-1.0440	-1.0100
.177			-.5050				
.229	-.1150						
.246		-.3510					
.250				-.6080	-.7840	-.7950	-.7770
.302	-.2790						
.400				-.5300	-.6040		-.6560
.402			-.4040				
.497	-.3330						
.530				-.3280	-.3840		
.585			-.3300				
.600							-.3650
.650						-.2280	
.700	-.2710				-.1470		
.725				-.1190			
.750						-.0720	-.1310
.760			-.1190				
.775				-.0370	-.0410		

AREA 11-707 OA12 OBA UPPER WING (RSPU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.0750				
.834	-.1040						
.850				.0080	.0900	.0310	
.857			-.0400				
.885	-.1080						
.900	-.0170			.0410			.0250
.905			-.0210				
.950				.0580	.0820	.0890	
.953			.0800				
.965	.0090						

MACH (1) = .800 BETA (5) = 8.870

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3680	-.2580	-.2030	-.2240	-.4080	-.3380	-1.1280
.050				-.6150	-.8780	-1.2510	-1.1390
.081			-.5220				
.086		-.2080					
.094	-.3420						
.150				-.6890	-.8820	-1.0510	-1.0080
.177			-.4890				
.229	-.1140						
.248		-.4340					
.250				-.6470	-.7810	-.7900	-.7620
.382	-.2850						
.400				-.5360	-.8070		-.6380
.402			-.5390				
.497	-.3080						
.550				-.3780	-.3790		
.565			-.4430				
.800							-.3510
.850						-.2270	
.704	-.3180				-.1920		
.725				-.1480			
.750						-.0810	-.1270
.760			-.1340				
.775				-.0610	-.0580		
.808			-.0780				
.834	-.1480						
.850				-.0050	.0090	.0210	
.857			-.0300				
.865	-.1010						
.900	-.0500			.0320			.0110
.905			.0000				
.950				.0650	.0780	.0780	
.953			.0320				

AMES 11-707 CA12 CBA UPPER WING (RBFU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = 0.270

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.0190						

MACH (2) = .907 BETA (1) = -0.140

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1810	.0360	.4000	.6480	.5360	.5530	.3290
.030				-.6800	-.8150	-.8970	-.8820
.081			-.4320				
.096		.0190					
.094	.0430						
.150				-.8080	-.7490	-.8580	-.8380
.177			-.5370				
.229	-.0080						
.246		-.2000					
.290				-.7380	-.8830	-1.0080	-1.0830
.382	-.1340						
.40				-.8490	-1.0380		-.8850
.402			-.6430				
.497	-.2190						
.390				-.2470	-.3800		
.386			-.2150				
.800							-.8000
.850						-.3080	
.700	-.1720				-.1800		
.725				.0190			
.750						-.2540	-.3710
.780			.0450				
.775				.1080	.0010		
.800			.1080				
.834	.0710						
.850				.1480	.0880	-.1780	
.857			.1230				
.885	.1000						
.900	.1610			.1830			-.4220
.906			.1420				
.950				.1680	.1610	-.0700	
.955			.1430				
.985	.1310						

MACH (3) = .888 BETA (3) = -4.090

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2380	-.1310	.2740	.5140	.4160	.4010	.1470
.030				-.7290	-.7220	-.8700	-.8200
.081			-.4770				
.086		-.0340					
.084	.0040						

AMES 11-707 OA12 CRA UPPER WING (REPU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = -4.020

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.130				-.7220	-.7790	-.9180	-1.0250
.177			-.3510				
.229	-.0330						
.246		-.2360					
.250				-.7490	-.9310	-1.0310	-1.1100
.362	-.1720						
.400				-.8520	-1.0200		-.6890
.402			-.6560				
.497	-.3840						
.550				-.4880	-.4940		
.565			-.4050				
.600							-.5980
.650						-.3680	
.700	-.3080				-.1280		
.725				-.0680			
.750						-.2850	-.5740
.780			-.0300				
.775				.0280	-.0420		
.808			.0300				
.834	-.0850						
.850				.0740	.0410	-.2130	
.857			.0630				
.886	.0380						
.900	.1080			.1080			-.4080
.906			.1070				
.950				.1130	.0910	-.1110	
.953			.1080				
.985	.0990						

MACH (3) = .901 BETA (3) = .100

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.3130	-.2410	.1840	.3950	.2850	.2800	-.0180
.050				-.7610	-.8910	-.9420	-.9490
.081			-.4780				
.086		-.0300					
.094	-.0870						
.150				-.7080	-.7770	-.9400	-1.0740
.177			-.5330				
.229	-.0620						
.248		-.2230					
.250				-.7160	-.9020	-1.0050	-1.0790
.362	-.1780						
.400				-.7200	-.8990		-.5780
.402			-.5470				
.497	-.3800						

AMES 11-707 OA12 OEA UPPER WING (RSPU13)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .100

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.5490	-.6340		
.585			-.4700				
.600							-.6010
.650						-.4150	
.700	-.3800				-.2510		
.725				-.1480			
.750						-.3730	-.5870
.760			-.1530				
.775				-.0710	-.1530		
.800			-.0570				
.834	-.2150						
.850				-.0080	-.0780	-.3080	
.857			.1810				
.888	-.0610						
.900	.0230			.0480			-.5440
.908			.0870				
.950				.0730	-.0050	-.1690	
.953			.0980				
.988	.0880						

MACH (2) = .908 BETA (4) = 4.250

Y/BM	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2940	-.1980	.0150	.2410	.1330	.0080	-.2010
.050				-.8510	-1.0140	-1.0490	-1.0700
.082			-.4790				
.098		-.0710					
.094	-.2710						
.150				-.0600	-.7140	-.9180	-1.1200
.177			-.4790				
.229	-.0480						
.246		-.2160					
.250				-.0280	-.0550	-.9680	-.6310
.302	-.1670						
.400				-.0350	-.0850		-.3040
.402			-.5230				
.407	-.3620						
.550				-.5830	-.7490		
.565			-.5080				
.600							-.3950
.650						-.5080	
.700	-.4100				-.3120		
.725				-.3010			
.750						-.4470	-.6050
.760			-.2580				
.775				-.1600	-.2350		

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AMES 11-7X7 CA12 CBA UPPER WING (RBPL13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.230

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1080				
.894	-.4540						
.898				-.0720	-.1530	-.3480	
.857			-.0830				
.883	-.1410						
.900	-.0630			-.0190			-.5510
.905			-.0250				
.950				.0280	-.0570	-.2070	
.953			.0050				
.965	.0100						

MACH (2) = .902 BETA (5) = 8.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3340	-.1720	-.1080	.0780	-.0310	-.0780	-.4040
.050				-.8750	-1.1270	-1.1640	-1.1890
.081			-.3490				
.086		-.1250					
.094	-.3800						
.150				-.6520	-.7580	-.8680	-.8430
.177			-.4420				
.229	-.0510						
.248		-.2810					
.290				-.6160	-.7980	-.9100	-.6750
.362	-.1380						
.400				-.5880	-.7850		-.6770
.402			-.5010				
.497	-.3110						
.550				-.5880	-.8930		
.565			-.5820				
.600							-.6410
.650						-.5610	
.700	-.4510				-.4510		
.725				-.5490			
.750						-.4940	-.6120
.760			-.5980				
.773				-.2450	-.3070		
.808			-.2340				
.834	-.5740						
.850				-.1300	-.2120	-.3610	
.857			-.1350				
.883	-.3270						
.900	-.1890			-.0470			-.5350
.905			-.0770				
.950				.0050	-.1090	-.2250	
.953			-.0140				

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AMES 11-7U7 OA12 OEA UPPER WING (RBPU13)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (5) = 0.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.0470						

AMES 11-7D7 OA12 OBA UPPER WING (RBPU14) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5520	-.7550	-.4250	-.3420	-.5740	-.7640	-1.3520
.050				-1.8020	-1.9620	-2.6160	-2.3120
.081			-1.3700				
.086		-.2690					
.094	-.1750						
.150				-1.0140	-1.2170	-1.4500	-1.4230
.177			-.7660				
.229	-.2920						
.246		-.5930					
.250				-.7980	-.9320	-.9870	-1.0500
.362	-.4960						
.400				-.4840	-.6190		-.7890
.402			-.4450				
.497	-.4710						
.550				-.2590	-.3260		
.565			-.3080				
.600							-.4690
.650						-.2260	
.700	-.1880				-.1210		
.725				-.0910			
.750						-.1030	-.2560
.760			.0340				
.775				-.0100	-.0420		
.808			.0310				
.834	.0310						
.850				.0190	.0130	-.0090	
.857			.1240				
.865	.1510						
.900	.1110			.0290			-.1220
.905			.1370				
.950				.0300	.0270	.0350	
.953			.1390				
.965	.0830						

MACH (2) = .800 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4580	-.5800	-.6360	-.5860	-.8060	-.9970	-1.5740
.050				-1.6970	-1.9030	-2.5480	-1.8710
.081			-1.2670				
.086		-.3420					
.094	-.4600						

AMES 11-7X7 OA12 O2A UPPER WING (RBPU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.0200	-1.2300	-1.4310	-1.5030
.177			-.7460				
.229	-.3080						
.248		-.6050					
.250				-.8140	-.9860	-1.0450	-1.1310
.362	-.5880						
.400				-.5250	-.6590		-.8020
.402			-.6230				
.497	-.5780						
.550				-.3410	-.3760		
.565			-.2730				
.600							-.5250
.650						-.2670	
.700	-.2580				-.1630		
.725				-.1510			
.750						-.1450	-.3290
.760			-.0430				
.775				-.0880	-.0780		
.800			.0020				
.834	-.0410						
.850				-.0440	-.0200	-.0620	
.857			.0320				
.865	-.0090						
.900	.0540			.0010			-.1780
.905			.0512				
.950				.0480	.0490	.0070	
.953			.0740				
.965	.0900						

MACH (1) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.5210	-.4920	-.7790	-.8060	-1.0220	-1.2500	-1.7210
.150				-1.4040	-1.7030	-2.3600	-1.7370
.181			-.9460				
.186		-.3400					
.194	-.7470						
.150				-.9700	-1.2620	-1.4910	-1.4830
.177			-.7690				
.229	-.3720						
.248		-.6810					
.250				-.7800	-.9960	-1.0830	-1.1370
.362	-.5630						
.400				-.5780	-.6870		-.8080
.402			-.5360				
.497	-.5590						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OBA UPPER WING (RDFU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .9 BETA (3) = .0

Y/BW	.299	.364	.427	.534	.673	.78	.887
X/CW							
.550				-.4150	-.4110		
.565			-.3920				
.600							-.5320
.650						-.2840	
.700	-.3030				-.2000		
.725				-.1700			
.750						-.1680	-.3580
.760			-.2380				
.775				-.0810	-.1110		
.808			-.1850				
.834	-.1080						
.850				-.0010	-.0510	-.0780	
.857			-.1470				
.865	-.0500						
.900	.0150			.0410			-.2070
.905			-.1060				
.950				.0760	.0190	-.0090	
.953			-.0580				
.965	.0320						

MACH (1) = .900 BETA (4) = 4.17

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8050	-.4550	-.8480	-1.0600	-1.2590	-1.5370	-2.0680
.050				-1.3640	-1.6540	-2.2950	-1.9140
.081			-.8480				
.085		-.4490					
.094	-.9180						
.150				-.9180	-1.2880	-1.3520	-1.8020
.177			-.7260				
.229	-.4120						
.246		-.7350					
.250				-.7850	-1.0500	-1.0790	-1.6590
.362	-.5230						
.400				-.6430	-.7340		-1.1520
.402			-.6220				
.497	-.5130						
.550				-.4340	-.4620		
.565			-.5610				
.600							-.5580
.650						-.3360	
.700	-.3550				-.2270		
.725				-.1730			
.750						-.1920	-.2450
.760			-.2890				
.775				-.0930	-.1270		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RBPU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.17U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2090				
.834	-.1600						
.850				-.0350	-.0680	-.0890	
.857			-.1470				
.865	-.1130						
.900	-.0430			.0110			-.0900
.905			-.0910				
.950				.0410	.0070	-.0130	
.953			-.0370				
.965	-.0130						

MACH (1) = .802 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.044	-.6680	-.4470	-.8790	-1.2940	-1.4890	-1.8110	-2.1850
.050				-1.2930	-1.6520	-2.2290	-1.9420
.081			-.8250				
.086		-.5100					
.094	-.8600						
.150				-.8800	-1.3540	-1.3460	-1.8570
.177			-.7280				
.229	-.4130						
.246		-.6940					
.250				-.7980	-1.1050	-1.0630	-1.7090
.362	-.4610						
.400				-.7370	-.7330		-.9500
.402			-.7650				
.497	-.5233						
.550				-.4730	-.4590		
.565			-.6360				
.600							-.4370
.650						-.3530	
.700	-.4040				-.2360		
.725				-.2670			
.750						-.2180	-.2800
.760			-.2970				
.775				-.1800	-.1410		
.808			-.2220				
.834	-.1990						
.850				-.1480	-.0840	-.1210	
.857			-.1570				
.865	-.1280						
.900	-.0730			-.1050			-.1480
.905			-.0850				
.950				-.0670	.0050	-.0550	
.953			-.0260				

AMES 11-7D7 OA12 O2A UPPER WING (RBPU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .602 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0250						

MACH (2) = .902 BETA (1) = -8.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4120	-.4640	.6030	.3010	.2210	.1640	-.1520
.050				-1.1830	-1.2010	-1.1980	-.6680
.081			-.8570				
.086		-.1160					
.094	-.2070						
.150				-1.2040	-1.1550	-1.1900	-.6440
.177			-.8630				
.229	-.1810						
.246		-.3930					
.250				-1.1530	-.9360	-.9270	-.6260
.362	-.3760						
.400				-.7620	-.8510		-.6230
.402			-.7380				
.497	-.5700						
.550				-.5910	-.6280		
.565			-.3820				
.600							-.0060
.650						-.6540	
.700	-.1630				-.6260		
.725				-.4110			
.750						-.6410	-.5930
.760			-.2040				
.775				-.3640	-.5880		
.808			-.1040				
.834	-.1540						
.850				-.3030	-.5460	-.6100	
.857			-.0120				
.865	-.1170						
.900	-.0160			-.2440			-.5770
.905			-.0160				
.950				-.1890	-.4500	-.5720	
.953			.0110				
.965	.0120						

MACH (2) = .901 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4340	-.3780	-.1870	.1280	.0570	-.0220	-.3530
.050				-1.2760	-1.2980	-1.2950	-.6560
.081			-.6740				
.086		-.2200					
.094	-.4620						

AMES 11-7U7 OA12 O2A UPPER WING (RDPU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE (P

MACH (2) = .901 BETA (2) = -4.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-1.2190	-1.2020	-.9080	-.6500
.177			-.7390				
.229	-.2820						
.246		-.4530					
.250				-1.0780	-.9430	-.8340	-.6380
.362	-.3390						
.400				-.7780	-.7650		-.6260
.402			-.9180				
.497	-.6480						
.550				-.9870	-.8830		
.565			-.3800				
.600							-.6100
.650						-.8380	
.700	-.2560				-.6250		
.725				-.4260			
.750						-.8200	-.5820
.760			-.2590				
.775				-.3710	-.8010		
.800			-.2150				
.834	-.2570						
.850				-.3180	-.5780	-.8110	
.857			-.1370				
.865	-.1050						
.900	-.1870			-.2730			-.5680
.905			-.1180				
.950				-.1950	-.5040	-.5930	
.953			-.0820				
.965	-.0800						

MACH (2) = .800 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4780	-.3320	-.3350	-.0490	-.1290	-.2120	-.5530
.050				-1.3430	-1.2860	-.9520	-.8650
.081			-.5450				
.086		-.2370					
.094	-.5780						
.150				-1.1530	-1.2240	-.9350	-.6500
.177			-.7250				
.229	-.3530						
.246		-.4450					
.250				-.9620	-.9510	-.7900	-.6570
.362	-.3340						
.400				-.5980	-.7850		-.6560
.402			-.8470				
.497	-.6530						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU:4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .895 BETA (3) = .UUU

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.5480	-.6960		
.585			-.3040				
.640							-.6410
.650						-.6660	
.710	-.2530				-.6440		
.725				-.5140			
.750						-.6530	-.6240
.760			-.4470				
.775				-.4080	-.6110		
.800			-.5020				
.834	-.4060						
.850				-.3280	-.5870	-.6370	
.857			-.3330				
.865	-.4340						
.900	-.2700			-.2660			-.6060
.905			-.2860				
.950				-.1980	-.5050	-.6050	
.953			-.1940				
.965	-.1850						

MACH (8) = .900 BETA (4) = 4.210

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.5350	-.3250	-.4300	-.2550	-.3280	-.4230	-.7090
.050				-1.3440	-.9490	-.8980	-.6780
.081			-.4970				
.086		-.2990					
.094	-.6210						
.150				-.9650	-.9400	-.8130	-.6740
.177			-.6900				
.229	-.3740						
.246		-.4290					
.250				-.8410	-.8990	-.7990	-.6910
.362	-.2940						
.400				-.7480	-.8250		-.6860
.402			-.4970				
.497	-.5820						
.550				-.6730	-.7480		
.565			-.5030				
.600							-.6760
.650						-.7030	
.700	-.4150				-.6840		
.725				-.5210			
.750						-.6710	-.6500
.760			-.5980				
.775				-.4810	-.6330		

ANES 11-707 OA12 O2A UPPER WING (RBPU14)

SECTION (1):UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .960 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.6110				
.834	-.5720						
.850				-.5270	-.6080	-.6420	
.857			-.4400				
.865	-.5330						
.900	-.3650			-.2870			-.6340
.905			-.3110				
.950				-.2540	-.5110	-.6120	
.953			-.2360				
.985	-.1330						

MACH (2) = .908 BETA (5) = 8.350

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.6130	-.3570	-.5330	-.4710	-.5810	-.6440	-.6440
.050				-1.3540	-1.0000	-.8700	-.7430
.081			-.5240				
.098		-.3470					
.104	-.7040						
.150				-.9430	-.9880	-.8260	-.7280
.177			-.6820				
.229	-.5080						
.248		-.3880					
.250				-.7940	-.9200	-.8110	-.7300
.302	-.2390						
.400				-.8330	-.8100		-.7150
.402			-.6310				
.497	-.5460						
.500				-.8440	-.7500		
.505			-.6470				
.600							-.6850
.650						-.7280	
.700	-.4130				-.6790		
.729				-.8090			
.750						-.6780	-.6720
.780			-.7200				
.775				-.5420	-.6180		
.808			-.6990				
.834	-.5940						
.850				-.3520	-.5910	-.6460	
.857			-.4980				
.865	-.6090						
.900	-.4460			-.2930			-.6480
.905			-.3280				
.950				-.2220	-.4570	-.6230	
.953			-.2160				

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OBA UPPER WING (RBPU14)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (5) = 0.350

Y/BW	.299	.364	.427	.554	.673	.788	.887
X/CW							
.985	-.1680						

AMES 11-7ft OA12 OPA UPPER WING (RBPU15) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0346 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5480	-.6080	-1.1510	-1.0890	-1.1480	-1.2740	-1.2120
.050				-2.2740	-1.4610	-1.4780	-.8030
.081			-1.3170				
.086		-.7080					
.094	-.7610						
.150				-1.7290	-1.3190	-1.2130	-.8170
.177			-.9240				
.229	-.7530						
.246		-.9080					
.250				-1.1610	-1.0080	-.9820	-.7840
.362	-.8640						
.400				-.7180	-.9060		-.7410
.402			-.5710				
.497	-.8630						
.550				-.5240	-.7930		
.565			-.4210				
.600							-.7030
.650						-.7340	
.700	-.3850				-.6240		
.725				-.3830			
.750						-.6770	-.6480
.760			-.3540				
.775				-.2970	-.5530		
.808			-.3210				
.834	-.1190						
.850				-.2190	-.4680	-.5940	
.857			-.3040				
.865	-.0580						
.900	.0340			-.1700			-.6080
.905			-.2950				
.950				-.1010	-.3390	-.5610	
.953			-.2370				
.965	.0670						

MACH (1) = .599 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7010	-.8020	-1.2090	-1.3480	-1.3050	-1.3640	-1.1340
.050				-2.0890	-1.3660	-.8820	-.7820
.081			-1.1710				
.086		-.8360					
.094	-.8230						

AMES 11-7ft OA12 OEA UPPER WING (7BPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.6900	-1.2640	-.9090	-.7780
.177			-.8990				
.229	-.9230						
.246		-.9980					
.250				-1.1050	-1.0400	-.8910	-.7850
.362	-1.0050						
.400				-.7840	-.8980		-.7380
.402			-.8110				
.497	-.9150						
.550				-.6430	-.8260		
.565			-.5560				
.600							-.6960
.650						-.7520	
.700	-.4530				-.7260		
.725				-.5060			
.750						-.6990	-.6890
.760			-.4980				
.775				-.4020	-.6460		
.800			-.4720				
.834	-.2800						
.850				-.3250	-.6400	-.6520	
.857			-.4430				
.865	-.1730						
.900	-.0830			-.2530			-.6600
.905			-.3740				
.950				-.1950	-.4250	-.5980	
.953			-.2830				
.985	.0650						

MACH (1) = .800 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.144	-.8130	-.6240	-1.5410	-1.6180	-1.4760	-1.3960	-1.1210
.150				-2.0750	-1.2840	-.9010	-.7980
.181			-1.1220				
.186		-.6800					
.194	-.9200						
.250				-1.3520	-1.1970	-.9160	-.8010
.277			-.8710				
.329	-.9260						
.346		-.9850					
.350				-1.0280	-1.0410	-.8770	-.7840
.462	-.9620						
.500				-.8150	-.9320		-.7770
.502			-.6920				
.597	-.7850						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .6UU BETA (3) = .1UU

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.7050	-.8450		
.565			-.6860				
.610							-.7410
.650						-.7780	
.700	-.4900				-.7530		
.725				-.5390			
.750						-.7270	-.7090
.760			-.5930				
.775				-.4550	-.6580		
.808			-.5240				
.834	-.3200						
.850				-.3770	-.5980	-.6840	
.857			-.4820				
.865	-.2090						
.900	-.1200			-.3150			-.6840
.905			-.3730				
.950				-.2480	-.4100	-.6250	
.953			-.2560				
.985	-.0190						

MACH (1) = .900 BETA (4) = 4.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.9160	-.8880	-1.4110	-1.8980	-1.7230	-1.3880	-.9750
.050				-2.5370	-1.4200	-1.0170	-.8450
.081			-1.0390				
.086		-.7740					
.094	-1.0340						
.150				-1.1640	-1.2900	-.9890	-.8470
.177			-.9010				
.229	-.9390						
.246		-.9960					
.250				-.9810	-1.1740	-.9410	-.8370
.362	-.8350						
.410				-.8180	-.9950		-.8110
.432			-.8170				
.497	-.7490						
.550				-.6600	-.8640		
.565			-.8050				
.610							-.7730
.650						-.7940	
.700	-.5120				-.7250		
.725				-.5480			
.750						-.7420	-.7280
.760			-.6220				
.775				-.4560	-.6270		

AMES 11-7U7 CA12 CBA UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.18U

Y/BW	.249	.364	.427	.534	.673	.78U	.887
X/CW							
.8U8			-.525U				
.834	-.318U						
.85U				-.4U5U	-.515U	-.687U	
.857			-.441U				
.865	-.2U6U						
.9U0	-.123U			-.349U			-.692U
.9U5			-.329U				
.95U				-.27UU	-.336U	-.591U	
.953			-.2U7U				
.965	-.U41U						

MACH (1) = .599 BETA (5) = 8.28U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.U4U	-1.U17U	-.717U	-1.399U	-2.168U	-1.942U	-1.357U	-.938U
.U5U				-2.581U	-1.531U	-1.U65U	-.872U
.U81			-.999U				
.U86		-.733U					
.U94	-1.168U						
.15U				-.946U	-1.37UU	-1.U35U	-.863U
.177			-.93UU				
.229	-.9U1U						
.246		-.9U7U					
.25U				-.867U	-1.18U	-.973U	-.859U
.362	-.745U						
.4U0				-.793U	-.965U		-.843U
.402			-.919U				
.497	-.7U6U						
.55U				-.7U7U	-.863U		
.565			-.874U				
.6UU							-.787U
.65U						-.82UU	
.7UU	-.551U				-.717U		
.725				-.576U			
.75U						-.751U	-.748U
.76U			-.61UU				
.775				-.515U	-.593U		
.8U8			-.495U				
.834	-.354U						
.85U				-.45UU	-.445U	-.655U	
.857			-.379U				
.865	-.238U						
.9UU	-.15UU			-.38UU			-.722U
.9U5			-.279U				
.95U				-.315U	-.323U	-.529U	
.953			-.169U				

AMES 11-7UT OA12 OA UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.260

Y/BW	.299	.384	.427	.534	.673	.780	.897
X/CW							
.965	-.0410						

MACH (2) = .901 BETA (1) = -8.120

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.5250	-.4130	-.4110	-.0680	-.1280	-.2080	-.5370
.050				-1.1500	-.6130	-.7990	-.7050
.081			-.8450				
.086		-.9020					
.094	-.5170						
.150				-1.0390	-.8650	-.7390	-.6990
.177			-.8650				
.229	-.5190						
.246		-.6320					
.250				-.9220	-.8530	-.7310	-.6870
.362	-.4810						
.400				-.8070	-.7550		-.6780
.402			-.7240				
.497	-.8380						
.550				-.7630	-.7490		
.565			-.6850				
.600							-.6810
.650						-.7010	
.700	-.4730				-.7190		
.725				-.7000			
.750						-.6980	-.6790
.780			-.6350				
.775				-.6550	-.7030		
.808			-.6390				
.834	-.4940						
.850				-.6450	-.6860	-.6980	
.857			-.4520				
.865	-.4450						
.900	-.2550			-.5590			-.6750
.905			-.5060				
.950				-.4900	-.6520	-.6880	
.953			-.4230				
.965	-.0470						

MACH (2) = .900 BETA (2) = -4.010

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.7690	-.4450	-.5030	-.2770	-.3150	-.4150	-.6980
.050				-1.0740	-.7880	-.7750	-.7280
.081			-.6910				
.086		-.4270					
.094	-.5770						

AMES 11-FT OA12 OEA UPPER WING (RBFU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .940 BETA (2) = -4.010	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.150				-.9560	-.7920	-.7610	-.7260
	.177			-.8110				
	.229	-.6480						
	.246		-.6280					
	.250				-.8570	-.8140	-.7540	-.7240
	.362	-.6170						
	.400				-.8040	-.7770		-.7260
	.402			-.6600				
	.497	-.6040						
	.550				-.7910	-.7570		
	.565			-.6600				
	.600							-.7190
	.650						-.7500	
	.700	-.4950				-.7290		
	.725				-.7570			
	.750						-.7230	-.7190
	.780			-.7140				
	.775				-.7440	-.7270		
	.800			-.7850				
	.834	-.5940						
	.850				-.6460	-.7160	-.7200	
	.857			-.6310				
	.865	-.6660						
	.900	-.5440			-.8090			-.7030
	.905			-.4470				
	.950				-.5470	-.6990	-.7200	
	.953			-.4380				
	.965	-.1130						

MACH (2) = .999 BETA (3) = .090	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.100	-.8930	-.4960	-.7500	-.4780	-.4910	-.6110	-.8240
	.150				-1.4550	-.8190	-.8400	-.7610
	.181			-.6570				
	.186		-.4870					
	.194	-.5950						
	.150				-.9680	-.8480	-.7790	-.7520
	.177			-.7900				
	.229	-.7280						
	.246		-.6040					
	.250				-.8910	-.8190	-.7760	-.7640
	.362	-.5870						
	.400				-.8170	-.8090		-.7620
	.402			-.6180				
	.497	-.7570						

AMES 11-7X7 OA12 OEA UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.7910	-.7750		
.565			-.7560				
.600							-.7610
.650						-.7600	
.700	-.4660				-.7490		
.725				-.7530			
.750						-.7500	-.7460
.760			-.8450				
.775				-.7140	-.7470		
.808			-.8760				
.834	-.5860						
.850				-.6220	-.7350	-.7480	
.857			-.7210				
.865	-.6560						
.900	-.6060			-.5180			-.7320
.905			-.4770				
.950				-.4820	-.7130	-.7420	
.953			-.3910				
.965	-.1510						

MACH (2) = .899 BETA (4) = 4.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0630	-.5400	-.7830	-.6780	-.6810	-.8050	-.8940
.050				-1.2160	-.9260	-.8380	-.8140
.081			-.6470				
.085		-.5210					
.094	-.6490						
.150				-1.1220	-.9050	-.8200	-.7980
.177			-.7910				
.229	-.7510						
.246		-.5810					
.250				-1.1010	-.8700	-.8050	-.7940
.362	-.4960						
.400				-.8540	-.8510		-.7990
.402			-.6460				
.497	-.7160						
.550				-.8010	-.8230		
.565			-.7690				
.600							.7980
.650						-.7920	
.700	-.4330				-.8110		
.725				-.8140			
.750						-.7890	-.7860
.760			-.6840				
.775				-.8010	-.7830		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.21U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.8U8			-.917U				
.834	-.694U						
.85U				-.578U	-.752U	-.774U	
.857			-.8U8U				
.865	-.724U						
.9UU	-.59LU			-.456U			-.773U
.9U5			-.556U				
.95U				-.4U9U	-.665U	-.772U	
.953			-.366U				
.965	-.185U						

MACH (2) = .98 BETA (5) = 8.34U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.1UU	-.938U	-.568U	-.796U	-.879U	-.891U	-.944U	-.873U
.U9U				-1.4LLU	-.935U	-.837U	-.815U
.U81			-.64LU				
.1U6		-.523U					
.1U4	-.782U						
.15U				-1.45	.915U	-.832U	-.8L4U
.177			-.8U7U				
.229	-.7U5U						
.246		-.56LU					
.25U				-.82BU	-.8L4U	-.841U	-.811U
.362	-.431U						
.4LU				-.792U	-.867U		-.8L8U
.4L2			-.548U				
.497	-.694U						
.55U				-.819U	-.834U		
.565			-.767U				
.6LU							-.796U
.65U						-.795U	
.714U	-.458U				-.793U		
.725				-.88LU			
.75U						-.785U	-.777U
.76U			-.894U				
.775				-.842U	-.741U		
.8U8			-.936U				
.834	-.7U2U						
.85U				-.556U	-.687U	-.773U	
.857			-.836U				
.865	-.729U						
.9UU	-.628U			-.452U			-.764U
.9U5			-.515U				
.95U				-.4U9U	-.57LU	-.747U	
.953			-.314U				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU15)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (5) = 8.34U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.2180						

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -20.040
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8810	-.7780	-1.7950	-1.8150	-1.5300	-1.4390	-1.2130
.050				-1.7110	-1.1930	-1.0440	-.9660
.081			-1.3930				
.086		-.9740					
.094	-.9020						
.150				-1.4630	-1.2000	-1.0500	-.9650
.177			-1.2130				
.229	-1.1240						
.246		-1.2220					
.250				-1.3110	-1.1580	-1.0560	-.9540
.362	-1.4430						
.400				-1.1700	-1.0890		-.9650
.402			-1.0280				
.497	-1.2430						
.550				-1.0340	-1.0390		
.565			-.9540				
.600							-.9340
.650						-.9780	
.700	-.6270				-.9450		
.725				-.7620			
.750						-.9210	-.8[illegible]
.760			-.7770				
.775				-.6610	-.8240		
.800			.5.40				
.834	-.0880						
.850				-.6030	-.7150	-.8590	
.857			-.4850				
.865	-.0430						
.900	.0200			-.5570			-.8070
.905			-.3280				
.950				-.5090	-.5340	-.6850	
.953			-.2340				
.965	-.0200						

MACH (1) = .990 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0640	-.8850	-2.0140	-2.0870	-1.6650	-1.4850	-1.17[illegible]
.050				-1.8460	-1.2730	-1.1270	-1.[illegible]
.081			-1.4340				
.086		-1.0320					
.094	-1.0790						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .990 BETA (2) = -3.950

Y/BW	.299	.364	.427	.531	.673	.780	.887
X/CW							
.150				-1.5850	-1.2640	-1.1340	-1.0460
.177			-1.2740				
.229	-1.3560						
.246		-1.2610					
.250				-1.3940	-1.2250	-1.1230	-1.0380
.362	-1.4290						
.400				-1.2390	-1.1680		-1.0280
.402			-1.0660				
.497	-1.2180						
.550				-1.0540	-1.0940		
.565			-1.0780				
.600							-.9920
.650						-1.0430	
.700	-.6180				-.9600		
.725				-.7990			
.750						-.9680	-.9490
.760			-.7990				
.775				-.7130	-.8480		
.808			-.6040				
.834	-.1200						
.850				-.6530	-.7300	-.8670	
.857			-.4580				
.865	-.0590						
.900	-.0010			-.5780			-.8570
.905			-.2940				
.950				-.5310	-.5490	-.6950	
.953			-.2080				
.965	-.0170						

MACH (1) = .801 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2050	-.9670	-2.0200	-2.3260	-1.4920	-1.2700	-1.1250
.050				-1.9600	-1.3900	-1.1930	-1.0820
.081			-1.2930				
.086		-1.0560					
.094	-1.1750						
.150				-1.6920	-1.3170	-1.1710	-1.0690
.177			-1.2530				
.229	-1.4920						
.246		-1.2190					
.250				-1.4240	-1.2830	-1.1580	-1.0740
.362	-1.2850						
.400				-1.2420	-1.2060		-1.0580
.402			-1.0910				
.497	-1.1010						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (3) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-1.0600	-1.1180		
.565			-1.1590				
.600							-1.0280
.650						-1.0590	
.700	-.6060				-.9650		
.725				-.8290			
.750						-.9680	-.9800
.760			-.7480				
.775				-.7570	-.8460		
.808			-.5250				
.834	-.1820						
.850				-.6740	-.7240	-.8620	
.857			-.3750				
.865	-.1060						
.900	-.0570			-.5910			-.8700
.905			-.2290				
.950				-.5070	-.5460	-.6820	
.953			-.1280				
.965	-.0080						

MACH (1) = .997 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3270	-1.0240	-1.9860	-2.4600	-1.6790	-1.3410	-1.1640
.050				-2.3310	-1.5440	-1.2800	-1.1160
.081			-1.3440				
.086		-1.0290					
.094	-1.3300						
.150				-1.8520	-1.4820	-1.2500	-1.1160
.177			-1.1860				
.229	-1.5200						
.246		-1.3170					
.250				-1.3580	-1.4220	-1.2290	-1.1080
.362	-1.1770						
.400				-1.2050	-1.2620		-1.0800
.402			-1.2040				
.497	-1.0130						
.550				-1.0530	-1.1240		
.565			-1.2090				
.600							-1.0390
.650						-1.0600	
.700	-.6120				-.9120		
.725				-.9010			
.750						-.9520	-.9840
.760			-.7110				
.775				-.8330	-.7940		

AMES 11-7FT OA12 OEA UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5180				
.834	-.2750						
.850				-.7260	-.7170	-.8350	
.857			-.3680				
.865	-.1170						
.900	-.0350			-.6050			-.8620
.905			-.1670				
.950				-.4770	-.5350	-.6940	
.953			-.0420				
.965	.0160						

MACH (1) = .604 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4000	-1.0490	-1.9110	-2.7310	-1.6680	-1.3720	-1.1780
.050				-2.5670	-1.6140	-1.3250	-1.1430
.081			-1.3680				
.086		-1.0110					
.094	-1.5090						
.150				-1.8210	-1.5930	-1.2950	-1.1370
.177			-1.1600				
.229	-1.4690						
.246		-1.2190					
.250				-1.2970	-1.4570	-1.2700	-1.1350
.362	-1.0840						
.400				-1.2250	-1.2810		-1.1030
.402			-1.2810				
.497	-.9660						
.550				-1.1060	-1.1140		
.565			-1.1710				
.600							-1.0380
.650						-1.0430	
.700	-.6500				-.8810		
.725				-.9910			
.750						-.9320	-.9780
.760			-.6840				
.775				-.8900	-.7980		
.808			-.4790				
.834	-.2340						
.850				-.7230	-.7120	-.8300	
.857			-.3270				
.865	-.1220						
.900	-.0460			-.5620			-.8550
.905			-.1850				
.950				-.4330	-.5070	-.6500	
.953			-.0820				

DATE 18 SEP -) TABULATED PRESSURE DATA - UNIZA

AMES 11-7U7 OA12 O2A UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .6U4 BETA (5) = 8.32U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	.0700						

MACH (2) = .898 BETA (1) = -8.U6U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.76U0	-.585U	-.898U	-.494U	-.498U	-.619U	-.888U
.050				-.875U	-.872U	-.893U	-.761U
.081			-.921U				
.086		-.737U					
.094	-.730U						
.156				-.874U	-.884U	-.891U	-.770U
.177			-.881U				
.229	-.533U						
.246		-.745U					
.250				-.883U	-.896U	-.972U	-.774U
.362	-.757U						
.400				-.893U	-.891U		-.786U
.402			-.884U				
.497	-1.039U						
.550				-.888U	-.846U		
.565			-.882U				
.600							-.796U
.650						-.818U	
.700	-.681U				-.823U		
.725				-.819U			
.750						-.802U	-.773U
.760			-.741U				
.775				-.797U	-.807U		
.808			-.650U				
.834	-.601U						
.850				-.754U	-.789U	-.797U	
.857			-.67:U				
.865	-.440U						
.900	-.312U			-.705U			-.768U
.905			-.585U				
.950				-.623U	-.778U	-.801U	
.953			-.484U				
.965	-.235U						

MACH (2) = .887 BETA (2) = -3.98U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.947U	-.703U	-1.104U	-.704U	-.720U	-.828U	-1.021U
.050				-.966U	-.922U	-.932U	-.8:6U
.081			-.922U				
.086		-.657U					
.094	-.976U						

AMES 11-7D7 OA12 O2A UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9450	-.9250	-.9420	-.8180
.177			-.8920				
.229	-.7930						
.246		-.7820					
.250				-.9480	-.9290	-.9810	-.8310
.362	-.8710						
.400				-.9370	-.9330		-.8400
.402			-.9130				
.497	-1.0090						
.550				-.9220	-.9040		
.565			-.9580				
.600							-.8480
.650						-.8670	
.700	-.4830				-.8980		
.725				-.8710			
.750						-.8500	-.9370
.760			-.6490				
.775				-.7940	-.8480		
.808			-.6980				
.834	-.4930						
.850				-.7130	-.8490	-.8520	
.857			-.6720				
.865	-.3300						
.900	-.2740			-.8570			-.8410
.905			-.5540				
.950				-.5770	-.7940	-.8550	
.953			-.4860				
.965	-.2640						

MACH (2) = .897 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.1000	-.7820	-1.0860	-.8840	-.8960	-.9850	-1.0330
.050				-.9780	-.9380	-.9070	-.8680
.081			-.7740				
.086		-.7030					
.094	-.9740						
.150				-.9730	-.9320	-.9210	-.8440
.177			-.8920				
.229	-.9310						
.246		-.7690					
.250				-.9440	-.9380	-.9510	-.8620
.362	-.7950						
.400				-.9450	-.9340		-.8690
.402			-.5[illegible]0				
.497	-.9680						

AMES 11-7U7 CA12 C2A UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (3) = .U9U

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.9090	-.8990		
.560			-.8760				
.600							-.8760
.650						-.8910	
.700	-.5160				-.8820		
.725				-.8290			
.750						-.8870	-.8460
.760			-.7490				
.775				-.8100	-.8700		
.808			-.5190				
.834	-.5050						
.850				-.8160	-.8670	-.8730	
.857			-.5580				
.865	-.3420						
.900	-.2780			-.6780			-.8430
.905			-.5360				
.950				-.5180	-.7720	-.8700	
.953			-.4730				
.965	-.2580						

MACH (2) = .898 BETA (4) = 4.240

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.010	-1.2330	-.8190	-1.0890	-1.0370	-1.0180	-.9590	-.9780
.050				-.9680	-.9440	-.9090	-.8650
.081			-.7850				
.086		-.7070					
.094	-1.0480						
.150				-.9890	-.9390	-.9170	-.8720
.177			-.8350				
.229	-.9650						
.246		-.7580					
.250				-.9610	-.9370	-.9700	-.8670
.362	-.7230						
.400				-.9390	-.9310		-.8740
.402			-.9420				
.497	-.9080						
.550				-.9330	-.9090		
.565			-.8070				
.600							-.8820
.650						-.8960	
.700	-.5740				-.8870		
.725				-.6910			
.750						-.8820	-.8650
.760			-.7490				
.775				-.6830	-.8700		

AMES 11-7D7 OA12 OEA UPPER WING (RBPU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5790				
.834	-.4410						
.850				-.7400	-.8420	-.8800	
.857			-.4710				
.865	-.3310						
.900	-.2840			-.6200			-.8360
.905			-.4970				
.950				-.4810	-.6800	-.8330	
.953			-.4260				
.965	-.2620						

MACH (2) = .899 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3360	-1.0000	-1.0360	-1.1770	-1.0310	-.8780	-.9480
.050				-1.4600	-.9880	-.9010	-.9110
.081			-.8290				
.086		-.7440					
.094	-1.1930						
.150				-1.2840	-.9720	-.9360	-.9030
.177			-.9030				
.229	-.6600						
.246		-.7550					
.250				-.9510	-.9280	-.9230	-.8890
.362	-.6030						
.400				-.9280	-.9670		-.9040
.402			-.8560				
.497	-.8670						
.550				-.9450	-.9350		
.565			-.7720				
.600							-.9030
.650						-.9210	
.700	-.6290				-.8720		
.725				-.8350			
.750						-.9130	-.8780
.760			-.7510				
.775				-.6500	-.8200		
.808			-.6210				
.834	-.4400						
.850				-.5730	-.7280	-.8500	
.857			-.5340				
.865	-.3690						
.900	-.3070			-.5790			-.8480
.905			-.4720				
.950				-.4790	-.5800	-.7600	
.953			-.3750				

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AMES 11-7U7 OA12 OBA UPPER WING (RBFU16)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (5) = 8.37U

Y/BW	.299	.364	.427	.534	.673	.7[illegible]	.887
X/CW							
.965	-.2320						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU17) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .U3UU SCALE

PARAMETRIC DATA

ALPHA = .UUU RUDDER = .UUU
ELEVON = 10.UUU RUDFLR = .UUU

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) =-10.000

Y/BW	.299	.384	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.UU5U	-.U47U	.3U4U	.639U	.65UU	.652U	.578U
.U5U				-.112U	-.178U	-.3U8U	-.334U
.U81			-.118U				
.U86		.1U6U					
.U94	.119U						
.15U				-.348U	-.468U	-.6U1U	-.678U
.177			-.247U				
.229	.U53U						
.246		-.U71U					
.25U				-.433U	-.543U	-.6U2U	-.618U
.362	-.U41U						
.4UU				-.414U	-.543U		-.64BU
.4U2			-.318U				
.497	-.13UU						
.55U				-.311U	-.418U		
.565			-.228U				
.6UU							-.578U
.65U						-.454U	
.7UU	-.13UU				-.399U		
.725				-.314U			
.75U						-.368U	-.291U
.76U			-.312U				
.775				-.277U	-.292U		
.8U8			-.276U				
.834	-.2U3U						
.85U				-.U42U	-.U29U	-.U29U	
.857			-.U69U				
.865	-.2U7U						
.9UU	-.113U			.U3UU			.U42U
.9U5			.UU1U				
.95U				.U77U	.U93U	.U78U	
.953			.U48U				
.965	-.U6UU						

MACH (1) = .9UU BETA (2) = .UUU

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.U41U	.UU2U	.297U	.496U	.448U	.435U	.277U
.U5U				-.261U	-.322U	-.47UU	-.514U
.U81			-.217U				
.U86		.U3UU					
.U94	.U62U						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU17)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = .080

Y/BW	.299	.384	.427	.534	.673	.788	.887
X/CW							
.150				-.4260	-.5390	-.5760	-.7330
.177			-.2940				
.229	.0060						
.246		-.1240					
.250				-.5030	-.6030	-.6540	-.8560
.362	-.0970						
.400				-.5140	-.6080		-.6670
.402			-.4110				
.497	-.1940						
.550				-.4270	-.5080		
.565			-.3500				
.600							-.6020
.650						-.5230	
.700	-.2740				-.4830		
.725				-.4210			
.750						-.4190	-.2950
.760			-.4170				
.775				-.3540	-.3650		
.808			-.3510				
.834	-.3240						
.850				-.1010	-.0790	-.0610	
.857			-.1320				
.865	-.2750						
.900	-.1730			-.0150			-.0140
.905			-.0390				
.950				.0450	.0650	.0550	
.953			.0230				
.965	-.0410						

MACH (1) = .800 BETA (3) = 10.370

Y/BW	.299	.384	.427	.534	.673	.788	.887
X/CW							
.000	-.2140	-.0860	.0120	.2700	.1860	.1460	-.1450
.050				-.3670	-.4640	-.6170	-.6240
.081			-.2820				
.086		-.0240					
.094	-.0460						
.150				-.4380	-.5740	-.7500	-.7820
.177			-.3140				
.229	-.0690						
.246		-.1510					
.250				-.5310	-.6140	-.6600	-.8380
.362	-.1210						
.400				-.5550	-.6180		-.6710
.402			-.4970				
.497	-.2230						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU17)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .6U0 BETA (3) = 10.37U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4910	-.5480		
.565			-.4620				
.6U0							-.5940
.650						-.5450	
.710	-.3990				-.5280		
.725				-.4800			
.750						-.4490	-.3230
.760			-.5010				
.775				-.3900	-.4100		
.8U0			-.4190				
.834	-.4340						
.850				-.1320	-.1040	-.0830	
.857			-.1710				
.865	-.3390						
.900	-.2280			-.0390			-.0320
.905			-.0740				
.950				.0200	.0490	.0440	
.953			-.0030				
.965	-.0510						

MACH (2) = .901 BETA (1) =-10.120

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0110	-.0440	.4510	.7120	.7000	.6930	.6450
.050				.0300	.0120	-.0640	-.0680
.081			-.0100				
.086		.1510					
.094	.1450						
.150				-.2770	-.3720	-.5040	-.5960
.177			-.1720				
.229	.0940						
.246		.0220					
.250				-.4540	-.5810	-.6190	-.7480
.362	.0340						
.400				-.4640	-.6620		-.7690
.402			-.3270				
.497	-.1060						
.550				-.3390	-.5360		
.565			-.2350				
.600							-.6840
.650						-.6400	
.700	-.1310				-.5420		
.725				-.3930			
.750						-.3240	-.5210
.760			-.4100				
.775				-.2630	-.2380		

AMES 11-7D7 OA12 O2A UPPER WING (RBPU17)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.12D

Y/BW / X/CW	.299	.364	.427	.534	.673	.78D	.887
.8D8			-.397D				
.834	-.282D						
.85D				-.1D3D	-.11DD	-.123D	
.857			-.125D				
.865	-.37DD						
.9DD	-.193D			-.D28D			-.333D
.9D5			-.D25D				
.95D				.D46D	.D58D	.D33D	
.953			.D47D				
.965	-.D29D						

MACH (2) = .899 BETA (2) = .D8D

Y/BW / X/CW	.299	.364	.427	.534	.673	.78D	.887
.D44	-.D28D	.D25D	.359D	.557D	.512D	.495D	.412D
.D5D				-.119D	-.133D	-.22DD	-.262D
.D81			-.114D				
.D86		.D51D					
.D94	.D65D						
.15D				-.32DD	-.423D	-.573D	-.682D
.177			-.189D				
.229	.D22D						
.246		-.D44D					
.25D				-.447D	-.568D	-.636D	-.749D
.362	-.D4DD						
.4DD				-.448D	-.572D		-.774D
.4D2			-.38DD				
.497	-.149D						
.55D				-.45DD	-.624D		
.565			-.395D				
.6DD							-.827D
.65D						-.752D	
.7DD	-.293D				-.687D		
.725				-.563D			
.75D						-.347D	-.46DD
.76D			-.549D				
.775				-.337D	-.274D		
.8D8			-.372D				
.834	-.454D						
.85D				-.281D	-.297D	-.344D	
.857			-.284D				
.865	-.382D						
.9DD	-.343D			-.257D			-.395D
.9D5			-.245D				
.95D				-.232D	-.251D	-.3DDD	
.953			-.198D				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU17)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .0U0

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2200						

MACH (2) = .903 BETA (3) = 10.490

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1410	-.0290	.1820	.3760	.3080	.2970	.1480
.050				-.2110	-.2340	-.3200	-.4030
.081			-.1240				
.086		.0480					
.094	.0170						
.150				-.2060	-.4300	-.5990	-.6610
.177			-.1610				
.229	.0370						
.246		-.0330					
.290				-.4110	-.4890	-.5400	-.6980
.362	-.0140						
.400				-.4490	-.5500		-.7320
.402			-.3420				
.497	-.1120						
.550				-.4980	-.6300		
.565			-.4250				
.600							-.8380
.650						-.7640	
.700	-.3320				-.7400		
.725				-.6440			
.750						-.3770	-.4390
.760			-.6150				
.775				-.3930	-.4260		
.808			-.5430				
.834	-.5660						
.850				-.3920	-.3900	-.3920	
.857			-.4110				
.865	-.5130						
.900	-.4520			-.3820			-.4340
.905			-.3630				
.950				-.3510	-.3390	-.3680	
.953			-.3250				
.965	-.3250						

REFERENCE DATA

SREF = 2.421[illegible] SQ.FT. XMRP = 28.530[illegible] INCHES
LREF = 39.849[illegible] INCHES YMRP = .[illegible] INCHES
BREF = 39.849[illegible] INCHES ZMRP = .[illegible] INCHES
SCALE = .05[illegible] SCALE

PARAMETRIC DATA

ALPHA = 5.[illegible] RUDDER = .[illegible]
ELEVON = 10.[illegible] RUDFLR = .[illegible]

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0010	.0400	.3030	.4810	.3060	.2130	-.3130
.053				-.7340	-.8920	-1.1500	-1.2270
.081			-.6670				
.086		-.0360					
.094	.0460						
.150				-.7160	-.9210	-1.1460	-1.2470
.177			-.5540				
.229	-.0420						
.246		-.3350					
.250				-.6790	-.8330	-.9040	-.9480
.362	-.2130						
.400				-.5240	-.6910		-.8950
.402			-.4080				
.497	-.2680						
.550				-.3560	-.4860		
.565			-.2650				
.600							-.7340
.650						-.5220	
.700	-.1740				-.4050		
.725				-.3090			
.750						-.3930	-.4850
.760			-.2910				
.775				-.2350	-.2760		
.800			-.2390				
.834	-.1930						
.850				-.0380	-.0400	-.0810	
.857			-.0710				
.865	-.1950						
.900	-.0820			.0250			-.1370
.905			-.0060				
.950				.0680	.0660	.0260	
.953			.0430				
.965	-.0380						

MACH (1) = .998 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/C							
.000	-.3890	-.3540	-.0750	.0380	-.1470	-.3100	-.9510
.050				-.8840	-1.0440	-1.2790	-1.2210
.081			-.7690				
.086		-.1320					
.094	-.0780						

AMES 11-7X7 OA12 OEA UPPER WING (RBPU18)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.7750	-.9740	-1.1900	-1.2290
.177			-.5950				
.229	-.1170						
.245		-.3620					
.250				-.7370	-.8770	-.9490	-.9630
.362	-.2950						
.400				-.6290	-.7520		-.8950
.402			-.5340				
.497	-.3690						
.550				-.4680	-.5630		
.565			-.4180				
.600							-.7610
.650						-.5740	
.700	-.3420				-.4820		
.725				-.3870			
.750						-.4130	-.4390
.760			-.4150				
.775				-.2490	-.3220		
.808			-.3310				
.834	-.3410						
.850				-.1200	-.0980	-.1210	
.857			-.1450				
.865	-.2960						
.900	-.1820			-.0770			-.1620
.905			-.0850				
.950				-.0300	.0130	-.0170	
.953			-.0270				
.965	-.0500						

MACH (1) = .598 BETA (3) = 10.300

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.040	-.3950	-.2510	-.3850	-.4550	-.7400	-.9640	-1.6960
.050				-.8940	-1.1210	-1.3530	-1.5590
.081			-.5610				
.086		-.2470					
.094	-.3650						
.150				-.7390	-.9560	-1.1530	-1.2030
.177			-.5440				
.229	-.1120						
.246		-.4790					
.250				-.7080	-.8690	-.9410	-.9390
.362	-.2640						
.400				-.6420	-.7510		-.8610
.402			-.6980				
.497	-.3810						

AMES 11-707 OA12 O2A UPPER WING (RBPU18)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 10.300

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.5730	-.5860		
.565			-.5940				
.600							-.7380
.650						-.5470	
.700	-.4490				-.4580		
.725				-.5010			
.750						-.3390	-.3920
.760			-.5370				
.775				-.3880	-.2580		
.808			-.4780				
.834	-.4740						
.850				-.1970	-.2080	-.1770	
.857			-.1980				
.865	-.3760						
.900	-.2650			-.1200			-.2080
.905			-.1060				
.950				-.0430	-.1090	-.1240	
.953			-.0350				
.965	-.0690						

MACH (2) = .899 BETA (1) =-10.190

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0100	.1000	.4640	.7090	.6320	.6210	.3930
.050				-.5920	-.5790	-.6530	-.6510
.081			-.4000				
.086		.0470					
.094	.0860						
.150				-.6360	-.7420	-.8680	-.9190
.177			-.4960				
.229	.0260						
.246		-.1800					
.250				-.7490	-.9180	-1.0030	-1.0470
.362	-.0950						
.400				-.8560	-1.0410		-1.0310
.402			-.7060				
.497	-.2610						
.550				-.4230	-.9320		
.565			-.3250				
.600							-.6630
.650						-.5850	
.700	-.2200				-.2680		
.725				-.2710			
.750						-.5330	-.6600
.760			-.3380				
.775				-.6460	-.5050		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU10)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5600				
.834	-.2690						
.850				-.0930	-.2060	-.5420	
.857			-.1150				
.965	-.3870						
.900	-.1560			.0040			-.6450
.905			-.0690				
.950				.0620	-.0990	-.4380	
.953			.0600				
.965	-.0010						

MACH (2) = .901 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3210	-.2470	.1590	.3830	.2730	.2420	-.0540
.050				-.7690	-.9100	-.9690	-.9960
.081			-.4800				
.086		-.0550					
.094	-.0830						
.150				-.7160	-.7810	-1.0100	-1.0970
.177			-.5420				
.229	-.0530						
.246		-.2290					
.250				-.7330	-.9040	-1.0270	-1.1360
.362	-.1680						
.400				-.7350	-.8890		-.7920
.402			-.5640				
.497	-.3920						
.550				-.5570	-.7450		
.565			-.4740				
.600							-.7580
.650						-.4880	
.700	-.3770				-.4870		
.725				-.6130			
.750						-.8047	-.7460
.760			-.6000				
.775				-.3240	-.7410		
.808			-.4310				
.834	-.4970						
.850				-.3350	-.3750	-.6430	
.857			-.3280				
.865	-.5440						
.900	-.4530			-.3460			-.7250
.905			-.3160				
.950				-.3250	-.2790	-.5310	
.953			-.2880				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU18)

SECTION ' 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = .U8U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.2230						

MACH (2) = .895 BETA (3) = 10.42U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.3660	-.1710	-.1540	-.UU90	-.1370	-.2080	-.5480
.U50				-.9180	-1.1640	-1.2420	-1.1750
.U81			-.3470				
.U86		-.1550					
.U94	-.3640						
.150				-.6260	-.7580	-.8970	-1.U340
.177			-.4570				
.229	-.0470						
.246		-.3060					
.250				-.6020	-.7970	-.9UU0	-.9620
.362	-.1200						
.400				-.5740	-.7620		-.9420
.4U2			-.5320				
.497	-.2990						
.550				-.5930	-.6640		
.565			-.5670				
.600							-.8500
.650						-.7770	
.7U0	-.4290				-.6920		
.725				-.6920			
.750						-.9020	-.7690
.760			-.6910				
.775				-.4810	-.9240		
.808			-.7220				
.834	-.6250						
.850				-.4450	-.5380	-.5860	
.857			-.4920				
.865	-.8570						
.900	-.5840			-.4240			-.6980
.905			-.4380				
.950				-.3890	-.3670	-.5230	
.953			-.3980				
.965	-.4060						

AMES 11-FT OA12 OZA UPPER WING (RBPU18)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5600				
.834	-.2690						
.850				-.0930	-.2080	-.5420	
.857			-.1150				
.865	-.3070						
.910	-.1580			.0040			-.0450
.905			-.0090				
.950				.0620	-.0980	-.4380	
.953			.0600				
.965	-.0010						

MACH (2) = .901 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3210	-.2470	.1590	.3630	.2730	.2420	-.0540
.050				-.7690	-.9100	-.9690	-.9960
.081			-.4840				
.086		-.0650					
.094	-.0830						
.150				-.7180	-.7810	-1.0100	-1.0970
.177			-.5420				
.229	-.0530						
.246		-.2290					
.250				-.7330	-.9040	-1.0270	-1.1360
.362	-.1680						
.400				-.7350	-.8890		-.7920
.442			-.5640				
.497	-.3920						
.550				-.5570	-.7450		
.565			-.4740				
.600							-.7580
.650						-.4880	
.700	-.3770				-.4870		
.725				-.6130			
.750						-.8040	-.7480
.760			-.6000				
.775				-.3240	-.7410		
.808			-.4310				
.834	-.4970						
.850				-.3950	-.3750	-.5.30	
.857			-.3280				
.865	-.5440						
.910	-.4530			-.3460			-.7250
.905			-.3160				
.950				-.3250	-.2790	-.5310	
.953			-.2880				

AMES 11-707 OA12 O2A UPPER WING (RBPU18)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = .080

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.965	-.2230						

MACH (2) = .895 BETA (3) = 10.420

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-.3660	-.1710	-.1540	-.0490	-.1370	-.2080	-.5480
.050				-.9180	-1.1640	-1.2420	-1.1750
.081			-.3470				
.086		-.1550					
.094	-.3640						
.150				-.6260	-.7580	-.8970	-1.0340
.177			-.4570				
.229	-.0470						
.246		-.3060					
.250				-.6020	-.7970	-.9400	-.9620
.362	-.1200						
.400				-.5740	-.7620		-.9420
.402			-.5320				
.497	-.2990						
.550				-.5930	-.6640		
.565			-.5670				
.600							-.8500
.650						-.7770	
.700	-.4290				-.6920		
.725				-.6920			
.750						-.9020	-.7590
.760			-.6910				
.775				-.4810	-.9240		
.808			-.7220				
.834	-.6250						
.850				-.4450	-.5380	-.5860	
.857			-.4920				
.865	-.8570						
.900	-.5840			-.4240			-.6980
.905			-.4380				
.950				-.3890	-.3670	-.5230	
.953			-.3980				
.965	-.4060						

AMES 11-707 OA12 OEA UPPER WING (RBPU19) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
MREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.110

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4910	-.7080	-.3780	-.3160	-.5780	-.8010	-1.4200
.050				-1.8280	-2.0580	-2.4040	-2.1310
.081			-1.4800				
.086		-.2920					
.094	-.0760						
.150				-1.0900	-1.2800	-1.5410	-1.6520
.177			-.8340				
.229	-.1750						
.246		-.6330					
.250				-.8900	-1.0280	-1.1560	-1.3920
.362	-.4290						
.400				-.5990	-.7940		-1.1500
.402			-.5020				
.497	-.4650						
.550				-.4100	-.5820		
.565			-.4080				
.600							-.9630
.650						-.6620	
.700	-.2810				-.4930		
.725				-.3840			
.750						-.5980	-.8910
.760			-.4000				
.775				-.3550	-.4160		
.808			-.3050				
.834	-.2060						
.850				-.1530	-.1980	-.3960	
.857			-.1050				
.865	-.2410						
.900	-.0960			-.0860			-.8210
.905			-.0070				
.950				-.0090	-.0690	-.3390	
.953			.0650				
.965	-.0420						

MACH (1) = .897 BETA (2) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.5310	-.4980	-.8840	-.9420	-1.1650	-1.4760	-2.1650
.050				-1.9760	-1.8480	-2.1420	-2.3490
.081			-1.0200				
.086		-.3800					
.094	-.7790						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU=9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.0420	-1.4980	-1.7130	-2.2350
.177			-.8630				
.229	-.4140						
.246		-.7650					
.250				-.8910	-1.2300	-1.3530	-2.0980
.362	-.6120						
.400				-.7120	-.9160		-1.4810
.402			-.6670				
.497	-.6340						
.550				-.6080	-.6730		
.565			-.5760				
.600							-.8560
.650						-.6340	
.700	-.4320				-.5240		
.725				-.4940			
.750						-.4880	-.6900
.760			-.6810				
.775				-.4010	-.3850		
.808			-.5940				
.834	-.4270						
.850				-.1680	-.2030	-.2670	
.857			-.3280				
.865	-.3810						
.900	-.2590			-.0890			-.4470
.905			-.2130				
.950				-.0310	-.0590	-.1370	
.953			-.1110				
.965	-.0760						

MACH (1) = .599 BETA (3) = 10.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7230	-.4910	-1.0350	-1.6030	-1.8220	-2.1990	-2.6080
.050				-1.9040	-1.7300	-2.1190	-2.4710
.081			-.8600				
.086		-.5300					
.094	-.9290						
.150				-.9180	-1.6250	-1.9460	-2.3730
.177			-.8160				
.229	-.4500						
.246		-.7400					
.250				-.9110	-1.2790	-1.4320	-1.9010
.362	-.4890						
.400				-.8720	-.8930		-1.1410
.402			-.9220				
.497	-.5960						

AMES 11-7X7 OA12 O2A UPPER WING (RBPU19)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (3) = 10.270

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.7060	-.6890		
.565			-.8260				
.600							-.8490
.650						-.6800	
.700	-.5570				-.5660		
.725				-.6520			
.750						-.5600	-.6870
.760			-.7080				
.775				-.5130	-.4330		
.808			-.6030				
.834	-.5530						
.850				-.3040	-.2380	-.3340	
.857			-.3460				
.865	-.4500						
.900	-.3330			-.2250			-.4390
.905			-.2180				
.930				-.1650	-.1130	-.2010	
.953			-.1020				
.965	-.0820						

MACH (2) = .804 BETA (1) =-10.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4740	-.5590	.0600	.3650	.2710	.1970	-.1530
.050				-1.1490	-1.1740	-1.1910	-.8380
.081			-.8570				
.086		-.1250					
.094	-.0390						
.150				-1.1770	-1.1640	-1.2040	-.7810
.177			-.8820				
.229	-.1080						
.246		-.4190					
.250				-1.1600	-1.0960	-1.0370	-.7050
.362	-.2540						
.400				-.8240	-.9040		-.7010
.402			-.8830				
.497	-.5390						
.550				-.6350	-.6840		
.565			-.3680				
.600							-.6950
.650						-.7210	
.700	-.1540				-.7030		
.725				-.5560			
.750						-.7090	-.6840
.760			-.4710				
.775				-.8400	-.6970		

AMES 11-707 OA12 OEA UPPER WING (RBPU19)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.8320				
.834	-.2430						
.850				-.5220	-.6700	-.6920	
.857			-.7650				
.865	-.8360						
.900	-.7760			-.4390			-.6690
.905			-.1870				
.950				-.3490	-.6200	-.6780	
.953			-.4680				
.965	-.1406						

MACH (2) = .998 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4830	-.3350	-.3640	-.0920	-.1700	-.2780	-.6540
.050				-1.3440	-1.3880	-1.2640	-.8040
.081			-.5390				
.086		-.2430					
.094	-.5690						
.150				-1.1260	-1.1410	-1.0100	-.7870
.177			-.7410				
.229	-.3570						
.246		-.4610					
.250				-.9850	-1.0300	-.9820	-.7860
.362	-.3280						
.400				-.8720	-.8860		-.7770
.402			-.9250				
.497	-.6620						
.550				-.6180	-.7960		
.565			-.3870				
.600							-.7690
.650						-.7900	
.700	-.3080				-.7490		
.725				-.6080			
.750						-.7650	-.7540
.760			-.5860				
.775				-.9880	-.7580		
.808			-1.0060				
.834	-.4040						
.850				-.7470	-.7210	-.7560	
.857			-.9790				
.865	-.9000						
.900	-.8860			-.4290			-.7280
.905			-.5060				
.950				-.3240	-.6540	-.7420	
.953			-.3420				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU19)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .698 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.4050						

MACH (2) = .697 BETA (3) = 10.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7280	-.3700	-.5760	-.6320	-.6700	-.6370	-.9680
.050				-1.3220	-1.1080	-.8670	-.8560
.081			-.5180				
.086		-.3530					
.094	-.7270						
.150				-.9680	-1.0930	-.9130	-.8330
.177			-.6800				
.229	-.3550						
.246		-.4390					
.250				-.8350	-.9820	-.9160	-.8230
.362	-.2340						
.400				-.6950	-.8860		-.8280
.402			-.7140				
.497	-.5520						
.550				-.5870	-.8140		
.565			-.6810				
.600							-.7900
.650						-.7860	
.700	-.4860				-.7470		
.725				-.7550			
.750						-.7750	-.7440
.760			-.7640				
.775				-.8530	-.9280		
.808			-1.1220				
.834	-.5950						
.850				-.6490	-.6180	-.7400	
.857			-.8590				
.865	-.9890						
.900	-.9850			-.6120			-.7220
.905			-.6510				
.950				-.5780	-.5310	-.7020	
.953			-.5180				
.965	-.4190						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU2U) (01 MAY 73)

REFERENCE DATA

SREF = 2.4219 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 99.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4940	-.6200	-1.0900	-1.0250	-1.1010	-1.1370	-1.3370
.050				-2.1750	-1.3910	-1.2150	-.8330
.081			-1.5290				
.086		-.6400					
.094	-.6620						
.150				-1.6780	-1.4320	-1.2400	-.8610
.177			-.9770				
.229	-.6790						
.246		-.9200					
.250				-1.2460	-1.2660	-1.0880	-.8770
.362	-.7930						
.400				-.9340	-1.0180		-.8460
.402			-.6640				
.497	-.8620						
.550				-.6960	-.8740		
.565			-.4820				
.600							-.7820
.650						-.8280	
.700	-.4640				-.7740		
.725				-.6200			
.750						-.7910	-.7280
.760			-.5060				
.775				-.6080	-.7340		
.808			-.5870				
.834	-.3750						
.850				-.3940	-.6740	-.7390	
.857			-.4070				
.865	-.4080						
.900	-.2670			-.3240			-.7120
.905			-.3330				
.950				-.2260	-.5390	-.7030	
.953			-.2470				
.965	-.0860						

MACH (1) = .599 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8330	-.6430	-1.4310	-1.7440	-1.6220	-1.4230	-1.2410
.050				-2.1160	-1.3670	-1.0270	-.9410
.081			-1.1730				
.086		-.7530					
.094	-.9270						

AMES 11-7U7 OA12 OA UPPER WING (RBPU2U)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = .UBU

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.15U				-1.754U	-1.266U	-1.052U	-.931U
.177			-.936U				
.229	-.951U						
.246		-1.U36U					
.25U				-1.178U	-1.175U	-.999U	-.917U
.362	-.993U						
.4UU				-.929U	-1.U67U		-.911U
.4U2			-.798U				
.497	-.847U						
.55U				-.821U	-.987U		
.565			-.8U8U				
.6UU							-.88UU
.65U						-.907U	
.7UU	-.578U				-.899U		
.725				-.859U			
.75U						-.871U	-.847U
.76U			-1.U59U				
.775				-.767U	-.839U		
.8U8			-.957U				
.834	-.62UU						
.85U				-.529U	-.754U	-.82UU	
.857			-.674U				
.865	-.369U						
.91U	-.4U7U			-.42UU			-.821U
.9U5			-.5U1U				
.95U				-.323U	-.584U	-.772U	
.953			-.316U				
.965	-.127U						

MACH (1) = .599 BETA (3) = 10.29U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.UUU	-1.U63U	-.747U	-1.411U	-2.399U	-1.932U	-1.4U1U	-1.121U
.U5U				-2.732U	-1.668U	-1.326U	-1.U75U
.U81			-1.U86U				
.U86		-.737U					
.U94	-1.261U						
.15U				-.927U	-1.645U	-1.297U	-1.U51U
.177			-1.U16U				
.229	-.905U						
.246		-.974U					
.25U				-1.U07U	-1.456U	-1.214U	-1.U32U
.362	-.75UU						
.4UU				-.943U	-1.131U		-.989U
.4U2			-1.U87U				
.497	-.746U						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU20)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = 10.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.8880	-.9740		
.565			-1.0260				
.600							-.9470
.650						-.9510	
.700	-.6780				-.9140		
.725				-.9370			
.750						-.9080	-.9010
.760			-.9830				
.775				-.7840	-.8150		
.808			-.8610				
.834	-.6940						
.850				-.6050	-.5790	-.7950	
.857			-.5890				
.865	-.5750						
.900	-.4180			-.4890			-.8600
.905			-.4100				
.950				-.4000	-.4170	-.6670	
.953			-.2330				
.965	-.1160						

MACH (2) = .912 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4630	-.4070	-.3320	.0120	-.0510	-.1560	-.5440
.050				-1.3750	-.8680	-.8760	-.7600
.081			-1.0960				
.086		-.4440					
.094	-.5490						
.150				-1.1860	-.8390	-.8330	-.7450
.177			-.8690				
.229	-.4400						
.246		-.5930					
.250				-.9490	-.8480	-.7920	-.7410
.362	-.3860						
.400				-.8610	-.7890		-.7440
.402			-.6070				
.497	-.7950						
.550				-.7990	-.8050		
.565			-.6990				
.600							-.7310
.650						-.7470	
.700	-.4220				-.7810		
.725				-.7600			
.750						-.7470	-.7400
.760			-.7350				
.775				-.7890	-.7630		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU20)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-1.0780				
.834	-.5360						
.850				-.6720	-.7400	-.7320	
.857			-.9070				
.865	-.9360						
.900	-.9210			-.6360			-.7350
.905			-.5200				
.950				-.5660	-.7240	-.7270	
.953			-.4120				
.965	-.2950						

MACH (2) = .900 BETA (2) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9010	-.4970	-.7500	-.5140	-.5380	-.6560	-.9140
.050				-1.0990	-.9190	-.8680	-.8440
.081			-.7120				
.086		-.5040					
.094	-.6010						
.150				-1.0510	-.9230	-.8660	-.8490
.177			-.8190				
.229	-.7070						
.246		-.6100					
.250				-1.0020	-.8730	-.8550	-.8440
.362	-.5920						
.400				-.9110	-.8610		-.8250
.402			-.7980				
.497	-.7650						
.550				-.8510	-.8530		
.565			-.7790				
.600							-.8220
.650						-.8460	
.700	-.4010				-.8370		
.725				-.8630			
.750						-.8440	-.8340
.760			-.9070				
.775				-1.1470	-.8240		
.808			-1.2270				
.834	-.6780						
.850				-.7400	-.8110	-.8240	
.857			-1.1790				
.865	-1.0490						
.900	-1.0540			-.6280			-.8110
.905			-.7940				
.950				-.5670	-.7800	-.8220	
.953			-.6140				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 02A UPPER WING (RBPU20)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.4970						

MACH (2) = .902 BETA (3) = 10.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0600	-.5690	-.8100	-.9810	-1.0130	-.8990	-.8820
.050				-1.4080	-1.1320	-.8870	-.8460
.081			-.6480				
.086		-.5250					
.094	-.8680						
.150				-1.4770	-1.0080	-.8970	-.8680
.177			-.8050				
.229	-.6840						
.246		-.5540					
.250				-.9050	-.9640	-.9160	-.8480
.362	-.4040						
.400				-.6780	-.9170		-.8450
.402			-.8960				
.497	-.6910						
.550				-.8260	-.8690		
.565			-.5910				
.600							-.8520
.650						-.8480	
.700	-.4410				-.8610		
.725				-.9100			
.750						-.8450	-.8250
.760			-.9360				
.775				-.9010	-.9020		
.808			-1.2130				
.834	-.6810						
.850				-.8180	-.7300	-.8210	
.857			-1.0350				
.865	-1.0230						
.900	-1.0310			-.8360			-.8140
.905			-.8210				
.950				-.7630	-.6330	-.7850	
.953			-.6520				
.965	-.4790						

AMES 11-7U7 OA12 O2A UPPER WING (R3PU21) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) =-10.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7950	-.7280	-1.7290	-1.7310	-1.4680	-1.4460	-1.2080
.050				-1.7190	-1.2100	-1.0850	-1.0450
.081			-1.3980				
.086		-.9510					
.094	-.8420						
.150				-1.4490	-1.2330	-1.1030	-1.0100
.177			-1.2920				
.229	-1.0220						
.246		-1.2270					
.250				-1.3110	-1.1670	-1.0970	-1.0120
.362	-1.4410						
.400				-1.2040	-1.1210		-1.0100
.412			-1.0780				
.497	-1.2690						
.550				-1.0800	-1.0780		
.565			-.9890				
.600							-1.0120
.650						-1.0290	
.700	-.6690				-1.0090		
.725				-.8920			
.750						-.9840	-.9700
.760			-1.0070				
.775				-.7690	-.9380		
.808			-.8090				
.834	-.2490						
.850				-.6480	-.8310	-.9340	
.857			-.5780				
.865	-.2930						
.900	-.2120			-.5770			-.9370
.905			-.4090				
.950				-.5280	-.6060	-.8150	
.953			-.2890				
.965	-.1300						

MACH (1) = .801 BETA (2) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.2110	-.9770	-2.1820	-2.3540	-1.5850	-1.3460	-1.2080
.050				-1.9800	-1.4450	-1.2960	-1.1670
.081			-1.3600				
.086		-1.0790					
.094	-1.1900						

AMES 11-7X7 OA12 O2A UPPER WING (RBPU21)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (2) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.7340	-1.4130	-1.2740	-1.1670
.177			-1.3480				
.229	-1.5230						
.246		-1.2650					
.250				-1.4760	-1.3740	-1.2520	-1.1670
.362	-1.3240						
.400				-1.3340	-1.3050		-1.1520
.402			-1.2080				
.497	-1.1650						
.550				-1.1670	-1.2080		
.565			-1.2910				
.600							-1.1160
.650						-1.1600	
.700	-.6790				-1.1410		
.725				-1.0460			
.750						-1.1230	-1.0870
.760			-1.0660				
.775				-.9260	-1.0020		
.808			-.8210				
.834	-.4100						
.850				-.7490	-.8650	-1.0080	
.857			-.5210				
.865	-.3580						
.900	-.2660			-.6340			-1.0110
.905			-.3510				
.950				-.5420	-.6180	-.8160	
.953			-.2060				
.965	-.1180						

MACH (1) = .900 BETA (3) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.4100	-1.0580	-1.9100	-2.8920	-1.7650	-1.4780	-1.3030
.050				-2.7210	-1.8000	-1.5020	-1.2930
.081			-1.4350				
.086		-1.0090					
.094	-1.6[illegible]0						
.150				-1.6740	-1.7070	-1.4610	-1.2620
.177			-1.2660				
.229	-1.4380						
.246		-1.2360					
.250				-1.4020	-1.5840	-1.4100	-1.2650
.362	-1.0520						
.400				-1.3350	-1.3960		-1.2440
.402			-1.4380				
.497	-.9940						

AMES 11-7ft OA12 OEA UPPER WING (RBPUE1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 10.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-1.3190	-1.2490		
.565			-1.3030				
.600							-1.1760
.650						-1.1750	
.700	-.7670				-1.0880		
.725				-1.2980			
.750						-1.0540	-1.1010
.760			-.9920				
.775				-1.0870	-.9240		
.808			-.8100				
.834	-.6060						
.850				-.8260	-.8180	-.9410	
.857			-.5180				
.865	-.4420						
.900	-.2890			-.6470			-.9950
.905			-.3320				
.950				-.4780	-.6600	-.8090	
.953			-.1260				
.965	-.0520						

MACH (2) = .902 BETA (1) =-10.100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6650	-.4980	-.8060	-.4190	-.4450	-.5720	-.8680
.050				-.8610	-.8510	-.8500	-.7800
.081			-.9580				
.086		-.6720					
.094	-.6510						
.150				-.8600	-.8540	-.8260	-.7660
.177			-.9110				
.229	-.5520						
.246		-.7270					
.250				-.8480	-.8950	-.8900	-.7630
.362	-.7160						
.400				-.8550	-.8370		-.7720
.402			-.8720				
.497	-1.0130						
.550				-.8500	-.8290		
.565			-.8520				
.600							-.7660
.650						-.7940	
.700	-.7020				-.8170		
.725				-.7880			
.750						-.7980	-.7840
.760			-.8130				
.775				-.7940	-.7880		

AMES 11-707 OA12 O2A UPPER WING (RBPU21)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.9730				
.834	-.6450						
.850				-.7660	-.7830	-.7810	
.857			-.6610				
.865	-.9410						
.900	-.6940			-.7460			-.7690
.905			-.6100				
.950				-.6840	-.7940	-.7870	
.953			-.5490				
.965	-.3460						

MACH (2) = .894 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0960	-.7460	-1.0910	-.9030	-.9180	-1.0210	-.9040
.050				-.9190	-.9160	-.8770	-.8710
.081			-.7800				
.086		-.7160					
.094	-.9760						
.150				-.9150	-.9140	-.8960	-.8910
.177			-.8810				
.229	-.8880						
.246		-.7690					
.250				-.8990	-.9240	-.8880	-.8620
.362	-.8050						
.400				-.9150	-.8830		-.8720
.402			-.9190				
.497	-.9720						
.550				-.8990	-.8790		
.565			-.9050				
.600							-.8650
.650						-.8850	
.700	-.4930				-.8700		
.725				-.8750			
.750						-.8900	-.8570
.760			-.9140				
.775				-.8790	-.8770		
.808			-1.1000				
.834	-.6780						
.850				-.7540	-.8760	-.8710	
.857			-.7140				
.865	-.9110						
.900	-.7040			-.7250			-.8540
.905			-.5220				
.950				-.6360	-.8760	-.8790	
.953			-.4570				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU21)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .894 BETA (2) = .U8U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.3420						

MACH (2) = .9U1 BETA (3) = 10.42U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3490	-.8850	-1.0650	-1.2440	-.8950	-.9250	-.8960
.050				-1.2730	-1.0240	-.8680	-.8840
.081			-.8430				
.086		-.7560					
.094	-1.2680						
.150				-1.1880	-.9470	-.9330	-.9000
.177			-.9300				
.229	-.8540						
.246		-.7170					
.250				-.9610	-.9290	-.9160	-.8930
.362	-.5860						
.400				-.8490	-.9560		-.8880
.402			-.8640				
.497	-.8890						
.550				-.8720	-.9480		
.565			-.6900				
.600							-.8730
.650						-.9100	
.700	-.5770				-.8690		
.725				-.9250			
.750						-.8620	-.8670
.760			-.8560				
.775				-.7720	-.8370		
.808			-1.0550				
.834	-.5250						
.850				-.6340	-.7570	-.7950	
.857			-.6820				
.865	-.7770						
.900	-.6940			-.5160			-.8190
.905			-.4420				
.950				-.4400	-.5990	-.7180	
.953			-.3480				
.965	-.2540						

AMES 11-FT OA12 OEA UPPER WING (RBPU22) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0070	-.0310	.3510	.5850	.5860	.5740	.5580
.050				-.0280	-.0310	-.0850	-.0590
.081			-.0580				
.086		.1070					
.094	.0990						
.150				-.2340	-.2960	-.3600	-.3780
.177			-.1560				
.229	.0460						
.246		-.0350					
.250				-.2910	-.3370	-.3470	-.3470
.362	-.0250						
.400				-.2130	-.2850		-.3010
.402			-.1550				
.497	-.0760						
.550				-.0290	-.0720		
.565			.0040				
.600							.0120
.650						.1240	
.700	.0460				.2190		
.725				.2880			
.750						.3030	.2020
.760			.3000				
.775				.3350	.3250		
.808			.3380				
.834	.2690						
.850				.2690	-.3480	.2310	
.857			.2710				
.865	.3160						
.900	.2930			.2170			.1750
.905			.2100				
.950				.1690	.1540	-.3490	
.953			.1440				
.965	.1340						

MACH (1) = .595 BETA (2) = -3.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0020	-.0010	.3310	.5370	.5230	.5160	.4810
.050				-.0820	-.0910	-.1510	-.1330
.081			-.1060				
.086		.0640					
.094	.0560						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .595 BETA (2) = -3.940

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.2640	-.3320	-.3860	-.4060
.177			-.1850				
.229	.0110						
.246		-.0690					
.250				-.3250	-.3640	-.3710	-.3610
.362	-.0650						
.400				-.2560	-.2980		-.3120
.402			-.2020				
.497	-.1040						
.550				-.0700	-.0940		
.565			-.0440				
.600							.0110
.650						.1120	
.700	-.0040				.2050		
.725				.2570			
.750						.2850	.1990
.760			.2720				
.775				.3050	.3070		
.808			.3180				
.834	.2310						
.850				.2450	-.3460	.2200	
.857			.2520				
.865	.2790						
.900	.2620			.2010			.1730
.905			.1930				
.950				.1540	.1510	-.3520	
.953			.1310				
.965	.1130						

MACH (1) = .597 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0340	.0030	.2970	.4900	.4590	.4520	.4090
.050				-.1390	-.1440	-.1910	-.1820
.081			-.1330				
.086		.0290					
.094	.0300						
.150				-.2880	-.3490	-.4110	-.4180
.177			-.2080				
.229	-.0080						
.246		-.0860					
.250				-.3420	-.3830	-.3840	-.3680
.362	-.0850						
.400				-.2900	-.3170		-.3250
.402			-.2430				
.497	-.1410						

AMES 11-FT OA12 02A UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.1040	-.1130		
.565			-.0890				
.600							.0120
.650						.1080	
.700	-.0580				.1880		
.725				.2270			
.750						.2730	.2010
.760			.2440				
.775				.2810	.2900		
.808			.2900				
.834	.1940						
.850				.2290	-.3500	.2180	
.857			.2330				
.865	.2420						
.900	.2280			.1860			.1700
.905			.1750				
.950				.1410	.1480	-.3510	
.953			.1160				
.965	.0950						

MACH (1) = .598 BETA (4) = 4.200

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0950	-.0180	.2570	.4330	.3960	.3900	.3340
.050				-.1770	-.1760	-.2380	-.2180
.081			-.1490				
.086		.0280					
.094	.0210						
.150				-.3050	-.3600	-.4140	-.4090
.177			-.1940				
.229	-.0640						
.246		-.0820					
.250				-.3510	-.3830	-.3850	-.3590
.362	-.0830						
.400				-.3020	-.3250		-.3170
.402			-.2530				
.497	-.1400						
.550				-.1260	-.1270		
.565			-.1090				
.600							.0200
.650						.1030	
.700	-.0880				.1780		
.725				.2100			
.750						.2700	.2030
.760			.2390				
.775				.2680	.2840		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.2860				
.834	.1810						
.850				.2190	-.3370	.2140	
.857			.2130				
.865	.2370						
.900	.2200			.1810			.1770
.905			.1630				
.950				.1430	.1470	-.3370	
.953			.1120				
.965	.0960						

MACH (1) = .597 BETA (5) = 8.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1740	-.0550	.1910	.3640	.3160	.3140	.2390
.050				-.2150	-.2310	-.2960	-.2860
.081			-.1910				
.086		-.0160					
.094	-.0180						
.150				-.3090	-.3730	-.4290	-.4300
.177			-.2320				
.229	-.0320						
.246		-.1140					
.250				-.3670	-.3950	-.3840	-.3580
.362	-.1100						
.400				-.3220	-.3330		-.3170
.402			-.3000				
.497	-.1690						
.550				-.1420	-.1410		
.565			-.1630				
.600							.0220
.650						.0940	
.700	-.1470				.1670		
.725				.1940			
.750						.2620	.2010
.760			.1850				
.775				.2540	.2700		
.808			.2380				
.834	.1290						
.850				.2120	-.3230	.2110	
.857			.2020				
.865	.1930						
.900	.1800			.1780			.1790
.905			.1530				
.950				.1410	.1500	-.3220	
.953			.1010				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .397 BETA (5) = 8.3UU	Y/BW	.299	.364	.427	.534	.673	.78U	.887
	X/CW							
	.965	.U55U						
MACH (2) = .9U4 BETA (1) = -8.U9U	Y/BW	.299	.364	.427	.534	.673	.78U	.387
	X/CW							
	.UUU	.U25U	-.U03U	.447U	.687U	.667U	.653U	.6U6U
	.U5U				-.1U4U	.UUUU	-.U75U	-.U71U
	.U81			-.U16U				
	.U86		.132U					
	.U94	.125U						
	.15U				-.273U	-.363U	-.487U	-.57UU
	.177			-.156U				
	.229	.U76U						
	.246		.U15U					
	.25U				-.435U	-.562U	-.581U	-.7U9U
	.362	.U16U						
	.4UU				-.336U	-.368U		-.687U
	.4U2			-.226U				
	.497	-.U96U						
	.55U				-.U3UU	-.U45U		
	.565			.UUUU				
	.6UU							.U82U
	.65U						.198U	
	.7UU	.U39U				.279U		
	.725				.325U			
	.75U						.341U	.249U
	.76U			.338U				
	.775				.369U	.374U		
	.8U8			.383U				
	.834	.3U7U						
	.85U				.3U8U	-.39UU	.261U	
	.857			.325U				
	.865	.369U						
	.9UU	.349U			.234U			.158U
	.9U5			.24UU				
	.95U				.125U	.11UU	-.391U	
	.953			.114U				
	.965	.113U						
MACH (2) = .9U2 BETA (2) = -4.UUU	Y/BW	.299	.364	.427	.534	.673	.78U	.387
	X/CW							
	.UUU	.U16U	.U29U	.4U7U	.624U	.588U	.575U	.519U
	.U5U				-.U57U	-.U63U	-.143U	-.156U
	.U81			-.U77U				
	.U86		.U88U					
	.U94	.U84U						

AMES 11-FT OA12 O2A UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2970	-.3870	-.5190	-.6160
.177			-.1760				
.229	.0410						
.246		-.0160					
.250				-.4490	-.5600	-.6100	-.7300
.362	-.0230						
.400				-.4260	-.5280		-.7310
.402			-.2840				
.497	-.1280						
.550				-.1110	-.0840		
.565			-.0910				
.600							.0860
.650						.1780	
.700	-.0550				.2480		
.725				.2760			
.750						.3020	.2430
.760			.2920				
.775				.3240	.3340		
.808			.3420				
.834	.2460						
.850				.2800	-.4020	.2460	
.857			.2950				
.865	.3040						
.900	.2930			.2080			.1460
.905			.2130				
.950				.0990	.0980	-.4080	
.953			.0910				
.965	.0790						

MACH (2) = .000 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0250	.0250	.3610	.5580	.5090	.4920	.4210
.050				-.1000	-.1110	-.1960	-.2320
.081			-.0970				
.086		.0560					
.094	.0560						
.150				-.2850	-.4040	-.5400	-.6470
.177			-.1760				
.229	.0220						
.246		-.0370					
.250				-.4360	-.5510	-.5910	-.7120
.362	-.0380						
.400				-.4340	-.5390		-.7390
.402			-.3410				
.497	-.1380						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (R8PU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1960	-.1510		
.565			-.2330				
.600							.0750
.650						.1110	
.700	-.1760				.2030		
.725				.2240			
.750						.2390	.2170
.760			.2410				
.775				.2800	.3040		
.808			.2920				
.834	.1880						
.850				.2540	-.4220	.2350	
.857			.2590				
.865	.2590						
.900	.2500			.1890			.1320
.905			.1830				
.950				.0880	.0910	-.4260	
.953			.0670				
.965	.0440						

MACH (2) = .899 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0900	.0040	.3130	.4940	.4370	.4230	.3300
.050				-.1280	-.1450	-.2330	-.2870
.081			-.1140				
.086		.0490					
.094	.0490						
.150				-.2820	-.4020	-.5620	-.6530
.177			-.1660				
.229	.0270						
.246		-.0400					
.250				-.4220	-.5270	-.5430	-.7140
.362	-.0340						
.400				-.4440	-.5530		-.7010
.402			-.3590				
.497	-.1110						
.550				-.3810	-.2220		
.565			-.3750				
.600							-.0290
.650						.0470	
.700	-.2700				.1570		
.725				.1710			
.750						.1920	.1930
.760			.1800				
.775				.2460	.2450		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.2360				
.834	.1300						
.850				.2340	-.3730	.2360	
.857			.2270				
.865	.2160						
.900	.2080			.1790			.1330
.905			.1610				
.950				.0810	.0880	-.3830	
.953			.0490				
.965	.0190						

MACH (2) = .900 BETA (5) = 8.410

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1330	-.0150	.2200	.4190	.3500	.3360	.2240
.050				-.1690	-.1890	-.2810	-.3540
.081			-.1170				
.086		.0240					
.094	.0180						
.150				-.2760	-.4110	-.5610	-.6400
.177			-.1610				
.229	.0250						
.246		-.0370					
.250				-.4080	-.4960	-.5290	-.6930
.362	-.0310						
.400				-.4460	-.5490		-.7270
.402			-.3540				
.497	-.1160						
.550				-.4840	-.5860		
.565			-.4240				
.600							-.0710
.650						-.0680	
.700	-.3260				.0520		
.725				.0770			
.750						.0680	.0660
.760			.1010				
.775				.1610	.1400		
.808			.1830				
.834	.0450						
.850				.1830	-.3700	.2230	
.857			.1610				
.865	.1560						
.900	.1480			.1430			.0840
.905			.1070				
.950				.0460	.0850	-.3750	
.953			.0000				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU22)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9UU BETA (5) = 8.41U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.U28U						

AMES 11-FT OA12 02A UPPER WING (RBPU23) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0510	.0050	.3020	.5130	.4260	.4130	.1460
.050				-.5860	-.6400	-.7810	-.7610
.081			-.5610				
.086		-.0440					
.094	.0110						
.150				-.5680	-.6730	-.7980	-.8280
.177			-.4460				
.229	-.0640						
.246		-.2810					
.250				-.4920	-.5840	-.6090	-.6330
.362	-.1980						
.400				-.3020	-.4020		-.4760
.402			-.2370				
.497	-.2090						
.550				-.0420	-.1020		
.565			-.0490				
.600							-.0340
.650						.1040	
.700	.0060				.1990		
.725				.2520			
.750						.2640	.1690
.760			.2440				
.775				.2850	.2860		
.808			.2670				
.834	.2630						
.850				.2660	-.3270	.2270	
.857			.2410				
.865	.3380						
.900	.3220			.2370			.1680
.905			.2020				
.950				.1990	.1930	-.3220	
.953			.1590				
.965	.1600						

MACH (1) = .598 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1990	-.1340	.1720	.3810	.2840	.2670	-.0400
.050				-.6410	-.6980	-.8440	-.8230
.081			-.6180				
.086		-.1820					
.094	-.0330						

AMES 11-FT OA12 OA2 UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.5850	-.7070	-.8050	-.8380
.177			-.4730				
.229	-.0880						
.246		-.3100					
.250				-.5300	-.5950	-.6170	-.6250
.362	-.2240						
.400				-.3340	-.4120		-.4690
.402			-.2840				
.497	-.2440						
.550				-.0750	-.1180		
.565			-.0660				
.600							-.0250
.650						.1020	
.700	-.0480				.1850		
.725				.2100			
.750						.2520	.1710
.760			.2060				
.775				.2470	.2600		
.800			.2410				
.834	.2270						
.850				.2330	-.3140	.2220	
.857			.2190				
.865	.3070						
.900	.2900			.2080			.1720
.905			.1870				
.950				.1760	.1850	-.3220	
.953			.1490				
.965	.1410						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3560	-.2970	.0560	.2320	.1320	.1100	-.2460
.050				-.6820	-.7360	-.8840	-.8610
.081			-.6160				
.086		-.1100					
.094	-.0680						
.150				-.5870	-.7040	-.8170	-.8330
.177			-.4670				
.229	-.1060						
.246		-.3050					
.250				-.5420	-.6090	-.6160	-.5510
.362	-.2470						
.400				-.3690	-.4160		-.4550
.402			-.3190				
.497	-.2750						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.1060	-.1320		
.565			-.1110				
.600							-.0160
.650						.0920	
.700	-.1040				.1570		
.725				.1590			
.750						.2230	.1760
.760			.1650				
.775				.2060	.2250		
.808			.2210				
.834	.1920						
.850				.2140	-.3210	.2090	
.857			.1960				
.865	.2730						
.900	.2590			.1940			.1730
.905			.1740				
.950				.1610	.1640	-.3210	
.953			.1360				
.965	.1130						

MACH (1) = .599 BETA (4) = 4.170

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3650	-.2880	-.1010	.0670	-.0330	-.0640	-.4460
.050				-.7150	-.7750	-.9170	-.8950
.081			-.6070				
.086		-.1340					
.094	-.2290						
.150				-.5940	-.7160	-.8110	-.8010
.177			-.4440				
.229	-.1050						
.246		-.3130					
.250				-.5480	-.6120	-.6130	-.5800
.362	-.2550						
.400				-.3790	-.4200		-.4280
.402			-.3710				
.497	-.2800						
.550				-.1320	-.1410		
.565			-.1670				
.600							-.0050
.650						.0820	
.700	-.1360				.1320		
.725				.1250			
.750						.2010	.1640
.760			.1800				
.775				.1920	.1870		

AMES 11-707 OA12 OEA UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.170

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.808			.2470				
.834	.1450						
.850				.1740	-.2870	.1950	
.857			.1660				
.865	.2120						
.900	.2010			.1520			.1640
.905			.1300				
.950				.1300	.1570	-.2910	
.953			.0940				
.965	.0680						

MACH (1) = .598 BETA (5) = 8.250

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3620	-.2380	-.2170	-.1170	-.2240	-.3030	-.7430
.050				-.7070	-.8190	-.9350	-.8770
.081			-.4650				
.086		-.1890					
.094	-.3060						
.150				-.5890	-.7110	-.7910	-.7700
.177			-.4280				
.229	-.1050						
.246		-.3970					
.250				-.5340	-.6070	-.6000	-.5560
.362	-.2590						
.400				-.3730	-.4170		-.4000
.402			-.4270				
.497	-.2910						
.550				-.1830	-.1260		
.565			-.2710				
.600							.0080
.650						.0790	
.700	-.1830				.0950		
.725				.1390			
.750						.1580	.1530
.760			.1600				
.775				.2020	.1560		
.808			.2340				
.834	.1100						
.850				.1630	-.3080	.1730	
.857			.1860				
.865	.1750						
.900	.1700			.1400			.1520
.905			.1490				
.950				.1100	.1370	-.3060	
.953			.1180				

AMES 11-7D7 OA12 O2A UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0750						

MACH (2) = .903 BETA (1) = -8.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0640	.0360	.4000	.6470	.5650	.5570	.3360
.050				-.6510	-.6230	-.6700	-.6690
.081			-.4380				
.086		.0220					
.094	.0470						
.150				-.6920	-.7550	-.8270	-.9420
.177			-.5400				
.229	-.0050						
.246		-.2030					
.250				-.7410	-.9310	-.9270	-1.0480
.362	-.1320						
.400				-.7630	-.7990		-.9360
.402			-.4630				
.497	-.3200						
.550				-.6540	-.2800		
.565			-.0460				
.600							-.2450
.650						-.2260	
.700	-.0340				.0410		
.725				.2520			
.750						-.0620	.0240
.760			.2560				
.775				.3170	.2140		
.800			.3180				
.834	.2850						
.850				.2650	-.4450	.0320	
.857			.2980				
.865	.3750						
.900	.3600			.2070			.0880
.905			.2320				
.950				.1200	.1370	-.4430	
.953			.1200				
.965	.1310						

MACH (2) = .902 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2520	-.1280	.2800	.5200	.4250	.4130	.1620
.050				-.7230	-.7150	-.8530	-.8060
.081			-.4640				
.086		-.0330					
.094	.0060						

AMES 11-FT OA12 OEA UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.7230	-.7710	-.8360	-1.0120
.177			-.5400				
.229	-.0350						
.246		-.2300					
.250				-.7450	-.9210	-1.0210	-1.0860
.362	-.1660						
.400				-.8330	-.9780		-.6910
.402			-.6060				
.497	-.3670						
.550				-.1200	-.1500		
.565			-.1640				
.600							-.4400
.650						-.2640	
.700	-.1710				.1350		
.725				.1790			
.750						-.0680	-.2500
.760			.2010				
.775				.2350	.2500		
.808			.2690				
.834	.2260						
.850				.2260	-.4070	.1050	
.857			.2730				
.865	.3360						
.900	.3220			.1770			-.1000
.905			.2140				
.950				.0790	.0730	-.4090	
.953			.0980				
.965	.0990						

MACH (2) = .901 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3160	-.2420	.1580	.3920	.2820	.2570	-.0060
.050				-.7620	-.8850	-.9390	-.9450
.081			-.4730				
.086		-.0520					
.094	-.0930						
.150				-.7070	-.7710	-.9320	-1.0660
.177			-.5350				
.229	-.0630						
.246		-.2200					
.250				-.7160	-.8970	-1.0060	-1.0900
.362	-.1810						
.400				-.7090	-.8750		-.6450
.402			-.5210				
.497	-.3790						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .90[illegible] BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2750	-.3080		
.565			-.3390				
.600							-.4520
.650						-.2930	
.700	-.3270				-.0180		
.725				.0710			
.750						-.0590	-.2800
.760			.1720				
.775				.1690	.1800		
.800			.2910				
.834	.1580						
.650				.1970	-.3320	.1550	
.857			.2750				
.865	.2740						
.900	.2740			.1640			-.1580
.905			.1940				
.950				.0710	.0850	-.3320	
.953			.0800				
.965	.0690						

MACH (2) = .903 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2980	-.2010	.0040	.2410	.1280	.0960	-.19[illegible]
.050				-.8250	-1.0130	-1.0480	-1.0680
.081			-.4690				
.086		-.0780					
.094	-.2790						
.150				-.6610	-.6950	-.9630	-1.1490
.177			-.4770				
.229	-.0500						
.246		-.2180					
.250				-.6180	-.8880	-.9630	-1.1040
.362	-.1650						
.400				-.6310	-.8350		-.7940
.402			-.5150				
.497	-.3520						
.550				-.5190	-.3580		
.565			-.4970				
.600							-.3830
.650						-.3620	
.700	-.3890				-.1200		
.725				.0060			
.750						-.2410	-.3350
.760			.1020				
.775				.1440	.0060		

AMES 11-7U7 OA12 OEA UPPER WING (RBPUR3)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.1770				
.834	.0570						
.850				.1950	-.3550	.0750	
.857			.1400				
.865	.1820						
.940	.1910			.1730			-.2210
.905			.0910				
.950				.0810	.0720	-.3540	
.953			.0000				
.965	.0260						

MACH (2) = .901 BETA (5) = 0.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3290	-.1650	-.0930	.0870	-.0360	-.0760	-.3960
.050				-.8700	-1.1260	-1.1430	-1.1820
.081			-.3420				
.086		-.1240					
.094	-.3540						
.150				-.6300	-.7560	-.8520	-1.1080
.177			-.4340				
.229	-.0440						
.246		-.2870					
.250				-.6050	-.7970	-.9450	-.7980
.362	-.1410						
.400				-.5840	-.7800		-.8130
.402			-.4960				
.497	-.2970						
.550				-.5840	-.4570		
.565			-.5700				
.600							-.5580
.650						-.3010	
.700	-.4160				-.1310		
.725				-.0690			
.750						-.2110	-.3520
.760			.0140				
.775				.1360	-.0120		
.808			.1070				
.834	-.0390						
.850				.1180	-.4010	.0060	
.857			.1350				
.865	.1100						
.900	.1210			.0730			-.1690
.905			.1010				
.950				-.0200	.0240	-.3990	
.953			.0150				

AMES 11-7U7 OA12 OA UPPER WING (RBPU23)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1490						

AME3 11-707 OA12 OEA UPPER WING (RBPU24) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -8.060

Y/BW	.299	.364	.427	.534	.673	.785	.887
X/CW							
.000	-.5420	-.7010	-.3140	-.2230	-.4110	-.5480	-1.1450
.050				-1.1940	-1.5260	-2.1820	-2.2650
.081			-1.2290				
.086		-.2600					
.094	-.1370						
.150				-.8970	-1.0790	-1.2250	-1.1890
.177			-.7030				
.229	-.2440						
.246		-.5470					
.250				-.6870	-.7850	-.8110	-.8250
.362	-.4210						
.400				-.3400	-.4230		-.5180
.402			-.3280				
.497	-.3970						
.550				-.0970	-.1040		
.565			-.2070				
.600							-.0710
.650						.0110	
.700	-.0670				.0500		
.725				.1350			
.750						.0500	.0150
.760			.2540				
.775				.2050	.0920		
.808			.3600				
.834	.2520						
.850				.1850	-.2870	.0860	
.857			.3110				
.865	.3530						
.900	.3330			.1720			.0480
.905			.2620				
.950				.1380	.1240	-.2890	
.953			.2080				
.965	.1740						

MACH (1) = .900 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.785	.887
X/CW							
.000	-.4550	-.5530	-.5300	-.4490	-.6280	-.7890	-1.3900
.050				-1.1850	-1.5980	-2.0020	-1.9070
.081			-1.1660				
.086		-.3060					
.094	-.4430						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU24)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9040	-1.0630	-1.1990	-1.1560
.177			-.6680				
.229	-.2720						
.246		-.5390					
.250				-.6990	-.7890	-.8040	-.8070
.362	-.5230						
.400				-.3760	-.4500		-.5150
.402			-.5150				
.497	-.4970						
.550				-.1670	-.1420		
.565			-.1250				
.600							-.1260
.650						-.0104	
.700	-.1330				.0510		
.725				.1140			
.750						.0560	.0020
.760			.2340				
.775				.1600	.1130		
.808			.2930				
.834	.1920						
.850				.1360	-.3030	.0680	
.857			.2360				
.865	.3060						
.900	.2920			.1390			.0510
.905			.1910				
.950				.1300	.1300	-.3030	
.953			.1460				
.965	.1470						

MACH (1) = .800 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4970	-.4730	-.6660	-.6570	-.8310	-1.0280	-1.6200
.050				-1.1830	-1.5300	-1.8420	-1.8260
.081			-.8800				
.086		-.3090					
.094	-.7040						
.150				-.8580	-1.0510	-1.1740	-1.1720
.1 7			-.6880				
.229	-.3320						
.246		-.6010					
.250				-.6580	-.7820	-.8130	-.7960
.362	-.4960						
.400				-.4240	-.4370		-.4770
.402			-.4050				
.497	-.4830						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .6[illegible] BETA (3) = .U8U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2220	-.1530		
.565			-.2170				
.600							-.1320
.650						-.0220	
.700	-.1630				.0280		
.725				.1140			
.750						.0350	-.0070
.760			.1060				
.775				.2010	.0910		
.808			.1670				
.834	.1630						
.850				.1960	-.3[illegible]	.0660	
.857			.0780				
.865	.2770						
.900	.2730			.1840			.0380
.905			.0490				
.950				.1600	.0990	-.3040	
.953			.0350				
.965	.1390						

MACH (1) = .598 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5740	-.4330	-.7300	-.0830	-1.0460	-1.2520	-1.7620
.050				-1.1790	-1.5150	-1.6700	-1.7070
.081			-.7700				
.086		-.4040					
.094	-.7900						
.150				-.8100	-1.0700	-1.1910	-1.4430
.177			-.6510				
.229	-.3730						
.246		-.6750					
.250				-.6570	-.8070	-.8640	-1.0560
.362	-.4620						
.400				-.4800	-.4900		-.6450
.402			-.5000				
.497	-.4410						
.550				-.2290	-.2100		
.565			-.3940				
.600							-.2540
.650						-.0620	
.700	-.2110				.0050		
.725				.1050			
.750						.0310	-.0540
.760			.0480				
.775				.1650	.0900		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU24)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .996 BETA (4) = 4.15U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.1290				
.834	.1020						
.850				.1340	-.3110	.0710	
.857			.0920				
.865	.2100						
.900	.2110			.1090			.0580
.905			.0830				
.950				.0820	.0860	-.3080	
.953			.0680				
.965	.0980						

MACH (1) = .999 BETA (5) = 0.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6380	-.4170	-.7750	-1.1210	-1.2850	-1.5140	-1.9320
.050				-1.1570	-1.4890	-1.6010	-1.6220
.081			-.7470				
.086		-.4630					
.094	-.8310						
.150				-.7630	-1.0810	-1.2520	-1.5080
.177			-.6410				
.229	-.3740						
.246		-.6580					
.250				-.6820	-.8070	-.8840	-1.1360
.362	-.4100						
.400				-.5460	-.4800		-.5900
.402			-.6240				
.497	-.4480						
.550				-.2570	-.2240		
.565			-.4360				
.600							-.1690
.650						-.0570	
.700	-.2470				-.0200		
.725				.0450			
.750						.0240	-.0080
.760			.0180				
.775				.0650	.0520		
.808			.1060				
.834	.0740						
.850				.0160	-.3010	.0580	
.857			.0990				
.865	.1660						
.900	.1660			.0020			.0460
.905			.0990				
.950				-.0140	.1050	-.2990	
.953			.0940				

AMES 11-7U7 OA12 OEA UPPER WING (RBPUE4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0830						

MACH (2) = .900 BETA (1) = -8.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3900	-.4570	.0040	.3010	.2170	.1650	-.1540
.050				-1.1890	-1.2060	-1.1930	-.7090
.081			-.8530				
.086		-.1150					
.094	-.2060						
.150				-1.2020	-1.1430	-1.1560	-.6680
.177			-.8620				
.229	-.1810						
.246		-.3880					
.250				-1.1610	-.9020	-.8230	-.6520
.362	-.3740						
.400				-.7250	-.8590		-.6400
.402			-.6350				
.497	-.5660						
.550				-.5520	-.5490		
.565			-.3600				
.600							-.5980
.650						-.6530	
.700	-.1230				-.4790		
.725				-.1880			
.750						-.5940	-.5620
.760			.1550				
.775				-.0870	-.4340		
.808			.2970				
.834	.1530						
.850				-.0060	-.5140	-.5210	
.857			.2320				
.865	.2980						
.900	.2780			.0490			-.5180
.905			.1650				
.950				.0500	-.3250	-.5240	
.953			.0710				
.965	.0920						

MACH (2) = .900 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4290	-.3810	-.1760	.1380	.0610	-.0110	-.3360
.050				-1.2670	-1.2910	-1.2520	-.6720
.081			-.6660				
.086		-.2150					
.094	-.4860						

AMES 11-7ft OA12 OEA UPPER WING (RBPU24)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.2120	-1.1040	-1.0340	-.6690
.177			-.7480				
.229	-.2700						
.246		-.4610					
.250				-1.1150	-.9150	-.8610	-.8630
.362	-.3350						
.400				-.7580	-.8010		-.6570
.402			-.8590				
.497	-.6470						
.550				-.5970	-.6300		
.565			-.3490				
.600							-.6100
.650						-.6580	
.700	-.2430				-.5460		
.725				-.2200			
.750						-.6060	-.5840
.760			.0840				
.775				-.0950	-.4750		
.808			.1680				
.834	.0690						
.850				-.0190	-.5460	-.5660	
.857			.1050				
.865	.2770						
.900	.2650			.0320			-.5620
.905			.0530				
.950				.0060	-.3690	-.5500	
.953			-.0260				
.965	.0840						

MACH (2) = .800 BETA (3) = .080

Y/BW	.29(	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.4730	-.3280	-.3150	-.0510	-.1140	-.2000	-.5390
.050				-1.3300	-1.1030	-.9880	-.6820
.081			-.5490				
.086		-.2260					
.094	-.5770						
.150				-1.1460	-.9810	-.9100	-.6780
.177			-.7270				
.229	-.3430						
.246		-.4330					
.250				-.8690	-.9240	-.7750	-.6600
.362	-.3260						
.400				-.7000	-.8220		-.6560
.402			-.6360				
.497	-.6580						

AMES 11-7D7 OA12 OEA UPPER WING (RBPU24)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.6240	-.7010		
.565			-.3820				
.600							-.6400
.650						-.6420	
.700	-.2840				-.5960		
.725				-.2310			
.750						-.6250	-.5900
.760			-.0510				
.775				-.0930	-.5260		
.808			.0170				
.834	-.0430						
.850				-.0870	-.5580	-.5890	
.857			-.0630				
.865	.1980						
.900	.2140			-.0800			-.5650
.905			-.0990				
.950				-.1260	-.3880	-.5700	
.953			-.1580				
.965	.0560						

MACH (2) = .908 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5300	-.3250	-.4240	-.2360	-.3040	-.4110	-.7060
.050				-1.3340	-.9920	-.9100	-.6920
.081			-.4990				
.086		-.2950					
.094	-.6150						
.150				-.9830	-.9390	-.8450	-.6820
.177			-.6950				
.229	-.3590						
.246		-.4300					
.250				-.8790	-.8940	-.7970	-.6840
.362	-.2970						
.400				-.7410	-.8110		-.6670
.402			-.5530				
.497	-.5840						
.550				-.6560	-.7310		
.565			-.5620				
.600							-.6390
.650						-.6770	
.700	-.4310				-.6180		
.725				-.2000			
.750						-.5510	-.6200
.760			-.1540				
.775				-.1320	-.5290		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU24)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0930				
.834	-.1770						
.850				-.1530	-.5670	-.6000	
.857			-.1000				
.865	.0870						
.900	.1190			-.1690			-.5890
.905			-.1140				
.950				-.2090	-.3700	-.5680	
.953			-.1380				
.965	-.0010						

MACH (2) = .900 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6330	-.3580	-.5290	-.4600	-.5160	-.6290	-.8650
.050				-1.3720	-1.0960	-.8210	-.7300
.081			-.5150				
.086		-.3390					
.094	-.6790						
.150				-.9000	-1.0870	-.8580	-.7250
.177			-.6740				
.229	-.3680						
.246		-.3560					
.250				-.8160	-.9200	-.8370	-.7180
.362	-.2320						
.400				-.6480	-.8400		-.7070
.402			-.6920				
.497	-.5400						
.550				-.6110	-.7390		
.565			-.5520				
.600							-.6710
.650						-.7060	
.700	-.3890				-.5980		
.725				-.2100			
.750						-.6480	-.6640
.760			-.2090				
.775				-.1570	-.4960		
.808			-.1240				
.834	-.2460						
.850				-.2000	-.5550	-.6080	
.857			-.1170				
.865	.0070						
.900	.0310			-.2270			-.6150
.905			-.1250				
.950				-.2670	-.3250	-.5540	
.953			-.1460				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPU24)

AMES 11-7U7 OA12 02A UPPER WING

DEPENDENT VARIABLE CP

SECTION : 1)UPPER WING

MACH : 2) = .914 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.965	-.U480						

AMES 11-707 OA12 02A UPPER WING (RBPU25) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5470	-.6030	-1.0720	-1.0160	-.9970	-.8730	-1.0810
.050				-2.0060	-1.2050	-.9870	-.6620
.081			-1.2650				
.086		-.6810					
.094	-.7740						
.150				-1.4690	-1.2440	-1.0150	-.6720
.177			-.8810				
.229	-.7460						
.246		-.9310					
.250				-1.0300	-1.0740	-.8630	-.8670
.362	-.8250						
.400				-.7490	-.8240		-.6000
.402			-.9070				
.497	-.8480						
.550				-.4720	-.6220		
.565			-.3160				
.600							-.5400
.650						-.5620	
.700	-.3030				-.4530		
.725				-.1340			
.750						-.5030	-.4920
.769			-.0280				
.775				-.0490	-.3780		
.808			.0330				
.834	.1090						
.850				-.0400	-.3930	-.4590	
.857			-.1100				
.865	.3000						
.900	.3210			-.0200			-.4360
.905			-.1160				
.950				.0120	-.2270	-.3970	
.953			-.1310				
.965	.2200						

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6910	-.5920	-1.1960	-1.2750	-1.1860	-1.1650	-1.0190
.050				-2.0640	-1.2080	-.7830	-.6560
.081			-1.1010				
.086		-.6330					
.094	-.8040						

AMES 11-7ft OA12 OEA UPPER WING (RBPU25)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.5110	-1.1750	-.8290	-.6620
.177			-.8240				
.229	-.8370						
.246		-.9480					
.250				-.9650	-.9080	-.7920	-.6350
.362	-.9410						
.400				-.6720	-.7840		-.6210
.402			-.5120				
.497	-.8410						
.550				-.4990	-.6870		
.565			-.3840				
.600							-.5660
.650						-.6090	
.700	-.3280				-.5280		
.725				-.1740			
.750						-.5470	-.5310
.760			-.1470				
.775				-.1090	-.4160		
.800			-.1030				
.834	.0470						
.850				-.1360	-.4180	-.5120	
.857			-.2080				
.865	.2250						
.900	.2570			-.1220			-.4750
.905			-.2020				
.950				-.1080	-.2330	-.4180	
.953			-.1740				
.965	.1710						

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7970	-.6110	-1.2600	-1.5150	-1.3550	-1.2410	-1.0110
.050				-2.1060	-1.2280	-.8210	-.6830
.081			-1.0530				
.086		-.6480					
.094	-.9020						
.150				-1.4010	-1.1050	-.8310	-.6810
.177			-.8110				
.229	-.8850						
.246		-.9350					
.250				-.8600	-.9660	-.7940	-.6710
.362	-.8930						
.400				-.6710	-.8210		-.6490
.402			-.5950				
.497	-.7160						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU25)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (3) = .UOU

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.5040	-.7060		
.565			-.5230				
.600							-.6000
.650						-.6280	
.700	-.3650				-.5480		
.725				-.2010			
.750						-.5750	-.5640
.760			-.2090				
.775				-.1630	-.4230		
.808			-.1380				
.834	.0100						
.850				-.1830	-.4060	-.5150	
.857			-.1860				
.865	.1900						
.900	.2100			-.1550			-.5140
.905			-.1660				
.950				-.1340	-.2190	-.4080	
.953			-.1200				
.965	.1250						

MACH (1) = .8U1 BETA (4) = 4.16U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9250	-.6850	-1.3670	-1.8270	-1.5780	-1.2570	-1.0090
.050				-2.3480	-1.2710	-.9080	-.7440
.081			-.9680				
.088		-.7500					
.094	-1.0290						
.150				-1.1580	-1.1380	-.8750	-.7260
.177			-.8310				
.229	-.9220						
.246		-.9400					
.250				-.8500	-1.0270	-.8330	-.7040
.362	-.7900						
.400				-.7160	-.8600		-.6770
.402			-.7070				
.497	-.6890						
.550				-.5310	-.7400		
.565			-.6530				
.600							-.6290
.650						-.6560	
.700	-.3960				-.5160		
.725				-.2480			
.750						-.5870	-.5910
.760			-.2580				
.775				-.2250	-.3830		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU25)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1410				
.834	-.0200						
.850				-.2390	-.4150	-.5120	
.857			-.1570				
.865	.1280						
.900	.1390			-.2150			-.5260
.905			-.1040				
.950				-.2050	-.2010	-.4070	
.953			-.0590				
.955	.0970						

MACH (1) = .601 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9900	-.6920	-1.3140	-2.0620	-1.9400	-1.3530	-.8480
.050				-2.5310	-1.4190	-1.1690	-.7360
.081			-.9570				
.086		-.7100					
.094	-1.1660						
.150				-.8460	-1.3210	-.9470	-.7490
.177			-.8640				
.229	-.8940						
.246		-.8740					
.250				-.7800	-1.1210	-.8550	-.7070
.362	-.7240						
.400				-.6090	-.8160		-.6880
.402			-.8130				
.497	-.6620						
.550				-.4730	-.6700		
.565			-.6910				
.600							-.6220
.650						-.6250	
.700	-.4010				-.4070		
.725				-.2680			
.750						-.5190	-.5900
.760			-.2290				
.775				-.2720	-.2800		
.808			-.1010				
.834	-.0370						
.850				-.2870	-.3940	-.4460	
.857			-.0820				
.865	.1190						
.900	.1580			-.2520			-.5090
.905			-.0530				
.950				-.2220	-.1600	-.3860	
.953			-.0110				

AMES 11-7U7 OA12 OEA UPPER WING (RBFU25)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .6U1 BETA (5) = 0.25U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	.1180						

MACH (2) = .9U2 BETA (1) = -0.13U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.567U	-.416U	-.421U	-.077U	-.12U0	-.215U	-.507U
.05U				-1.11U0	-.919U	-.786U	-.675U
.081			-.771U				
.086		-.48U0					
.094	-.513U						
.15U				-.944U	-.894U	-.7U7U	-.664U
.177			-.852U				
.229	-.528U						
.246		-.6U8U					
.25U				-.9U8U	-.864U	-.7U1U	-.657U
.362	-.481U						
.4U0				-.819U	-.731U		-.655U
.4U2			-.758U				
.497	-.83U0						
.55U				-.736U	-.7U7U		
.565			-.664U				
.6U0							-.647U
.65U						-.672U	
.7U0	-.44U0				-.68BU		
.725				-.63U0			
.75U						-.662U	-.64U0
.76U			-.364U				
.775				-.574U	-.671U		
.8U8			-.307U				
.834	-.254U						
.85U				-.573U	-.591U	-.659U	
.857			-.437U				
.865	.139U						
.9U0	.164U			-.52U0			-.635U
.905			-.438U				
.95U				-.475U	-.589U	-.591U	
.953			-.442U				
.965	.063U						

MACH (2) = .9U1 BETA (2) = -4.02U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UU0	-.8U7U	-.46U0	-.63U0	-.28U0	-.314U	-.421U	-.692U
.05U				-1.02U0	-.886U	-.727U	-.699U
.081			-.691U				
.086		-.448U					
.094	-.587U						

AMES 11-707 OA12 OEA UPPER WING (ROPUPS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9470	-.9100	-.7290	-.6980
.177			-.8140				
.229	-.6380						
.248		-.6240					
.250				-.8930	-.8510	-.7350	-.7020
.362	-.6080						
.400				-.8260	-.7680		-.7100
.402			-.7350				
.497	-.8540						
.550				-.7660	-.7480		
.565			-.7070				
.600							-.7010
.650						-.7220	
.700	-.5060				-.7430		
.725				-.6600			
.750						-.7120	-.6970
.760			-.3710				
.775				-.6180	-.7190		
.808			-.3280				
.834	-.4310						
.850				-.8020	-.5950	-.7100	
.857			-.4780				
.865	.0940						
.900	.1140			-.5540			-.7000
.905			-.5320				
.950				-.5130	-.6410	-.5990	
.[illegible]			-.4980				
.965	.0240						

MACH (2) = .902 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.010	-.9240	-.5010	-.7440	-.4930	-.5050	-.6170	-.8220
.050				-1.0520	-.8820	-.7180	-.7300
.081			-.6960				
.086		-.4950					
.094	-.5980						
.150				-.9920	-.9000	-.7360	-.7150
.177			-.8120				
.229	-.7160						
.246		-.6010					
.250				-.9290	-.8730	-.7370	-.7130
.362	-.5800						
.400				-.8510	-.7730		-.7160
.402			-.6500				
.497	-.7660						

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = .080

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.550				-.7530	-.7540		
.565			-.7700				
.600							-.7130
.650						-.7300	
.700	-.4240				-.7360		
.725				-.5680			
.750						-.7250	-.7080
.760			-.3780				
.775				-.5510	-.7160		
.808			-.3080				
.834	-.4050						
.850				-.6020	-.6020	-.7020	
.857			-.4080				
.865	.0440						
.900	.0850			-.5430			-.7100
.905			-.4970				
.950				-.4990	-.6320	-.5990	
.953			-.4900				
.965	.0000						

MACH (2) = .898 BETA (4) = 4.190

X/CW \ Y/BW	.299	.364	.427	.534	.673	.780	.887
.000	-1.0850	-.5610	-.7840	-.6890	-.6940	-.8050	-.9240
.050				-1.1280	-.9080	-.8130	-.7740
.081			-.6400				
.086		-.5320					
.094	-.6260						
.150				-1.0870	-.8680	-.8060	-.7750
.177			-.7790				
.229	-.7530						
.246		-.5920					
.250				-.9650	-.8580	-.7990	-.7700
.362	-.4980						
.400				-.8500	-.8170		-.7720
.402			-.6650				
.497	-.7130						
.550				-.8100	-.7920		
.565			-.7550				
.600							-.7520
.650						-.7840	
.700	-.4250				-.7520		
.725				-.4920			
.750						-.7810	-.7420
.760			-.5080				
.775				-.4430	-.7250		

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.806			-.3780				
.834	-.5630						
.850				-.5670	-.6120	-.7670	
.857			-.3050				
.865	-.1620						
.900	-.0880			-.6830			-.7280
.905			-.3570				
.950				-.7120	-.6420	-.6120	
.953			-.3960				
.965	-.0760						

MACH (2) = .800 BETA (5) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0850	-.5760	-.7820	-.8670	-.8880	-.9300	-.9100
.050				-1.3970	-.8910	-.8040	-.7870
.081			-.6440				
.086		-.5210					
.094	-.7360						
.150				-1.1740	-.8540	-.8000	-.7810
.177			-.6020				
.229	-.7010						
.246		-.5620					
.250				-.8990	-.8520	-.7920	-.7560
.382	-.4260						
.400				-.7990	-.8180		-.7830
.402			-.6200				
.497	-.6610						
.550				-.7810	-.7920		
.565			-.6210				
.600							-.7270
.650						-.7660	
.700	-.4780				-.7180		
.725				-.4530			
.750						-.7480	-.7350
.760			-.5740				
.775				-.4070	-.6750		
.808			-.3920				
.834	-.5410						
.850				-.4510	-.8030	-.7500	
.857			-.3040				
.865	-.1710						
.900	-.0950			-.5680			-.7100
.905			-.2820				
.950				-.6450	-.5580	-.6100	
.953			-.3360				

DATE 16 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OBA UPPER WING (RBPU25)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (5) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0770						

DATE 10 SEP 75 TABULATED PRESSURE DATA - OA12A (R8PUB6) (01 MAY 75)

AMES 11-FT OA12 OEA UPPER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.0480 INCHES YMRP = .0000 INCHES
BREF = 30.0480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .587 BETA (1) = -7.980

Y/BW	.259	.384	.427	.534	.675	.780	.887
X/CW							
.000	-.8850	-.7650	-1.7280	-1.7210	-1.3780	-1.2740	-1.2020
.060				-1.6950	-1.0890	-.9500	-.7900
.081			-1.3280				
.086		-.9550					
.094	-.9040						
.150				-1.3040	-1.0750	-.9570	-.8200
.177			-1.1250				
.229	-1.1130						
.246		-1.1730					
.250				-1.1750	-1.0250	-.9580	-.8280
.362	-1.3910						
.400				-1.0740	-.9840		-.8380
.402			-.9450				
.497	-1.1800						
.550				-.9080	-.9140		
.585			-.8220				
.800							-.7880
.650						-.8580	
.700	-.5380				-.7780		
.725				-.5470			
.750						-.7590	-.7340
.780			-.5020				
.775				-.4840	-.6640		
.800			-.3650				
.834	.0810						
.850				-.4910	-.4840	-.6550	
.857			-.3670				
.865	.2560						
.900	.2690			-.4580			-.6150
.905			-.2450				
.950				-.4250	-.4100	-.4980	
.953			-.1720				
.965	.2030						

MACH (1) = .588 BETA (2) = -3.980

Y/BW	.259	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0520	-.8630	-1.9000	-1.9920	-1.5340	-1.3730	-1.2060
.050				-1.7520	-1.1650	-1.0150	-.8780
.081			-1.3660				
.086		-1.0020					
.094	-1.0280						

AMES 11-707 OA12 O2A UPPER WING (RBPU26)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.960

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.4280	-1.1730	-1.0290	-.8860
.177			-1.1500				
.229	-1.3570						
.246		-1.2050					
.250				-1.2610	-1.1160	-1.0100	-.8880
.362	-1.3670						
.400				-1.1180	-1.0480		-.8870
.402			-.9910				
.497	-1.1360						
.550				-.9030	-.9810		
.565			-.9370				
.600							-.8500
.650						-.8830	
.700	-.5320				-.7920		
.725				-.5750			
.750						-.7640	-.7600
.760			-.4940				
.775				-.5230	-.6540		
.808			-.3470				
.834	.0780						
.850				-.5230	-.4670	-.6700	
.857			-.3150				
.865	.2730						
.900	.2740			-.4930			-.6680
.905			-.1910				
.950				-.4550	-.4190	-.4930	
.953			-.1220				
.965	.1300						

MACH (1) = .800 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.044	-1.1910	-.9370	-1.9210	-2.2260	-1.5310	-1.3640	-1.0310
.050				-1.8800	-1.2070	-1.0490	-.9300
.081			-1.2190				
.086		-1.0310					
.094	-1.1390						
.150				-1.5280	-1.1890	-1.0530	-.9380
.177			-1.1650				
.229	-1.4470						
.246		-1.1720					
.250				-1.2470	-1.1220	-1.0100	-.9310
.362	-1.2330						
.400				-1.1150	-1.0710		-.9130
.402			-.9740				
.497	-1.0380						

AMES 11-707 OA12 O2A UPPER WING (RBPU20)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = .070

Y/BW X/CW	.299	.304	.427	.534	.673	.780	.887
.500				-.8880	-.9880		
.545			-.3860				
.600							-.8870
.650						-.8970	
.700	-.4850				-.7740		
.725				-.8120			
.750						-.7740	-.7710
.760			-.4330				
.775				-.5850	-.6710		
.800			-.2370				
.834	.0850						
.850				-.5350	-.4880	-.6720	
.867			-.1860				
[illegible]	.1870						
[illegible]	.1870			-.4830			-.6850
[illegible]			-.0730				
[illegible]				-.4380	-.4220	-.4090	
[illegible]			-.0120				
[illegible]	.1800						

MACH (1) = .600 BETA (4) = 4.180

Y/BW X/CW	.299	.304	.427	.534	.673	.780	.887
.000	-1.3000	-.3040	-1.8700	-2.3610	-1.4850	-1.2100	-1.0330
.050				-2.1650	-1.3790	-1.1250	-.9650
.070			-1.2840				
.086		-.9070					
.094	-1.3030						
.150				-1.0800	-1.3170	-1.1050	-.9750
.177			-1.1220				
.220	-1.4820						
.246		-1.2880					
.250				-1.2290	-1.2310	-1.0080	-.9550
.302	-1.1210						
.400				-1.0720	-1.1190		-.9280
.402			-1.0900				
.407	-.9380						
.500				-.8830	-.9540		
.565			-1.0270				
.600							-.8760
.650						-.8740	
.700	-.4910				-.7310		
.725				-.8840			
.750						-.7840	-.7700
.760			-.8130				
.775				-.8180	-.6720		

AMES 11-FT OA12 OEA UPPER WING (RBPU26)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.190

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.2330				
.834	-.0370						
.850				-.5710	-.4970	-.6850	
.857			-.0950				
.865	.1770						
.900	.2360			-.4900			-.6730
.905			.0380				
.950				-.4080	-.3980	-.4950	
.953			.0970				
.965	.1450						

MACH (1) = .598 BETA (5) = 8.300

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.3690	-1.0280	-1.8480	-2.5890	-1.4970	-1.2240	-1.0280
.050				-2.4240	-1.4610	-1.1840	-1.0110
.081			-1.3090				
.086		-.9820					
.094	-1.5260						
.150				-1.6270	-1.4180	-1.1530	-.9930
.177			-1.1140				
.229	-1.4430						
.246		-1.1840					
.250				-1.1890	-1.3150	-1.1210	-.9760
.362	-1.0410						
.400				-1.0750	-1.1560		-.9560
.402			-1.1830				
.497	-.9110						
.550				-.9180	-.9280		
.565			-1.1040				
.600							-.8990
.650						-.8490	
.710	-.5160				-.7250		
.725				-.7230			
.750						-.7770	-.7930
.780			-.3380				
.775				-.6200	-.6460		
.808			-.1470				
.834	.0250						
.850				-.5320	-.5010	-.6620	
.857			-.1100				
.865	.1130						
.900	.1500			-.4560			-.6790
.905			-.0290				
.950				-.3710	-.3900	-.4980	
.953			.0150				

DATE 10 SEP 73 TABULATED PRESSURE DATA - OASBA

AMES 11-707 OA12 OBA UPPER WING (REPUBS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (5) = 0.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.988	.2830						

MACH (2) = .903 BETA (1) = -0.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7710	-.5870	-.8850	-.4880	-.4880	-.8040	-.8970
.050				-.8620	-.8230	-.8820	-.8810
.101			-.9060				
.106		-.7700					
.104	-.7530						
.150				-.8580	-.8480	-.8670	-.7070
.177			-.8980				
.209	-.5160						
.246		-.7500					
.250				-.8820	-.8650	-.9540	-.7120
.302	-.3080						
.300				-.8880	-.8400		-.7330
.402			-.8680				
.407	-1.1380						
.450				-.8440	-.8180		
.505			-.8450				
.550							-.7240
.650						-.7550	
.700	-.8980				-.7980		
.705				-.7980			
.750						-.7560	-.7140
.799			-.5550				
.775				-.7150	-.7650		
.810			-.4910				
.834	-.4010						
.850				-.8630	-.5830	-.7470	
.857			-.5520				
.856	-.0880						
.900	-.1170			-.8040			-.7180
.906			-.5030				
.950				-.5650	-.7260	-.5840	
.958			-.4480				
.986	-.1580						

MACH (2) = .904 BETA (2) = -3.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9480	-.7460	-1.0790	-.8980	-.7000	-.8420	-.8930
.050				-.9180	-.8910	-.8990	-.7500
.101			-.8810				
.106		-.6880					
.094	-.9380						

AMES 11-7U7 OA12 OEA UPPER WING (RDPUB6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9130	-.9000	-.9280	-.7590
.177			-.8700				
.229	-.7860						
.246		-.8170					
.250				-.9180	-.9070	-1.0140	-.7840
.362	-.8750						
.400				-.9020	-.9230		-.7910
.402			-.8920				
.497	-1.0070						
.550				-.8850	-.8650		
.565			-.9180				
.600							-.7910
.650						-.8230	
.700	-.5210				-.8290		
.725				-.7900			
.750						-.8130	-.7790
.760			-.5670				
.775				-.7300	-.8130		
.808			-.5050				
.834	-.3200						
.850				-.7120	-.6050	-.8080	
.857			-.5080				
.865	-.0650						
.900	-.0930			-.6300			-.7730
.905			-.5060				
.950				-.5520	-.7390	-.6050	
.953			-.4610				
.965	-.1820						

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-1.1010	-.7990	-1.0950	-.8830	-.8900	-.9650	-.9820
.050				-.9150	-.9000	-.8770	-.7910
.081			-.7660				
.086		-.8970					
.094	-1.0280						
.150				-.9110	-.9030	-.9130	-.7950
.177			-.8460				
.229	-1.0400						
.246		-.7560					
.250				-.9060	-.9150	-1.0150	-.8030
.362	-.7960						
.400				-.9070	-.9160		-.8150
.402			-.8860				
.497	-.9350						

AMES 11-707 OA12 OEA UPPER WING (REPUR6)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (3) = .000

Y/BW / X/CW	.290	.384	.427	.534	.673	.780	.887
.550				-.8040	-.6770		
.565			-.8970				
.600							-.8140
.650						-.8390	
.700	-.7540				-.8360		
.725				-.7530			
.750						-.8260	-.7970
.760			-.4010				
.775				-.6860	-.8130		
.800			-.3630				
.834	-.2880						
.850				-.6140	-.6190	-.8170	
.857			-.4740				
.865	-.6860						
.900	-.0880			-.5370			-.7780
.905			-.4650				
.930				-.5240	-.6870	-.6190	
.953			-.4370				
.965	-.1760						

MACH (2) = .800 BETA (4) = 4.250

Y/BW / X/CW	.290	.384	.427	.534	.673	.780	.887
.000	-1.2540	-.8800	-1.0610	-1.0150	-1.0110	-.9340	-.9390
.050				-.9510	-.9060	-.8760	-.8440
.081			-.7840				
.096		-.7040					
.104	-1.1150						
.150				-.9510	-.9150	-.8820	-.8290
.177			-.8720				
.229	-.9650						
.248		-.7530					
.250				-.9270	-.9240	-.9300	-.8320
.302	-.7120						
.400				-.9190	-.9100		-.8440
.402			-.8080				
.467	-.8860						
.550				-.9000	-.8980		
.565			-.7900				
.600							-.8230
.650						-.8480	
.700	-.9330				-.8560		
.725				-.6990			
.750						-.8370	-.8030
.760			-.4000				
.775				-.6060	-.8040		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU26)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.3380				
.834	-.2610						
.850				-.5900	-.6090	-.8050	
.857			-.3980				
.865	-.0640						
.900	-.0810			-.5290			-.7650
.905			-.4130				
.950				-.4920	-.6050	-.6070	
.953			-.4120				
.965	-.2160						

MACH (2) = .804 BETA (5) = 8.360

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3360	-.9950	-1.0300	-1.1620	-1.0200	-.9980	-.9350
.050				-1.1570	-.9590	-.9460	-.8980
.081			-.8240				
.086		-.7410					
.094	-1.2200						
.150				-1.0710	-.9750	-.9400	-.8910
.177			-.6590				
.229	-.8540						
.246		-.7500					
.250				-1.0000	-.9660	-.9470	-.8880
.362	-.5970						
.400				-.9380	-.9640		-.8760
.402			-.9210				
.497	-.8520						
.550				-.9010	-.9250		
.565			-.6640				
.600							-.8630
.650						-.8980	
.700	-.5780				-.8390		
.725				-.5680			
.750						-.6510	-.8320
.760			-.4850				
.775				-.5160	-.7530		
.808			-.3810				
.834	-.3090						
.850				-.5670	-.6040	-.7920	
.857			-.4270				
.865	-.1270						
.900	-.1080			-.5360			-.7530
.905			-.3980				
.950				-.5100	-.5540	-.5980	
.953			-.3870				

DATE 18 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-707 CA12 C2A UPPER WING (RBPU26)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .914 BETA (5) = 0.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1400						

DATE 10 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-7X7 CA12 C2A UPPER WING (RBPU27) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 18.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2100	-.4830	-.0130	.0930	.1440	.0230	-.0310
.050				.2860	.2950	.2760	.2800
.081			.2170				
.086		.1180					
.094	.1180						
.150				.0160	-.0140	-.0330	-.0340
.177			.0550				
.229	.0970						
.246		.1130					
.250				-.0920	-.0940	-.0940	-.0790
.362	.0800						
.400				-.0720	-.0850		-.0850
.462			-.0330				
.497	.0350						
.550				.0980	.0970		
.565			.1110				
.600							.2850
.650						.3630	
.700	.1250				.4310		
.725				-.1200			
.750						.4980	.4170
.760			.4560				
.775				.4840	.4950		
.808			.4870				
.834	.4190						
.850				.4050	.3590	.3370	
.857			.4200				
.865	.4630						
.900	.4230			.2790			.1850
.905			.2850				
.950				.1250	.0890	.1150	
.953			.1110				
.965	.1070						

MACH (1) = .599 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1100	-.3030	.0500	.0990	.0810	-.0300	-.1100
.050				.2420	.2450	.2300	.2340
.081			.1890				
.086		.0910					
.094	.0990						

AMES 11-707 OA12 OEA UPPER WING (RBPU27)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (2) = .000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				.0410	-.0280	-.0420	-.0490
.177			.0480				
.229	.0850						
.246		.0880					
.250				-.0960	-.0980	-.0980	-.0880
.382	.0670						
.400				-.0870	-.0940		-.0940
.402			-.0610				
.497	.0210						
.550				.0770	.0840		
.585			.0750				
.600							.2720
.650						.3550	
.700	.0890				.4120		
.725				-.0870			
.750						.4720	.4980
.780			.4430				
.775				.4680	.4740		
.800			.4720				
.834	.4080						
.850				.3850	.3480	.3280	
.857			.4110				
.865	.4390						
.900	.4080			.2730			.1820
.905			.2800				
.950				.1260	.0880	.0980	
.953			.1120				
.965	.1020						

MACH (1) = .999 BETA (3) = 5.280

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.100	-.0570	-.1080	.1000	.1170	.0480	-.0690	-.1610
.050				.1850	.1770	.1680	.1580
.101			.1480				
.106		.0580					
.094	.0880						
.150				-.0540	-.0540	-.0780	-.0790
.177			.0190				
.229	.0580						
.246		.0670					
.250				-.1350	-.1310	-.1090	-.0960
.382	.0420						
.400				-.1350	-.1150		-.0990
.402			-.1080				
.497	-.0050						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU27)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (3) = 5.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0390	.0580		
.565			.0280				
.600							.2450
.650						.3300	
.700	.0290				.3830		
.725				-.0910			
.750						.4360	.3820
.760			.4150				
.775				.4510	.4410		
.808			.4530				
.834	.3750						
.850				.3780	.3330	.3050	
.857			.3880				
.865	.4290						
.900	.3800			.2570			.1580
.905			.2550				
.950				.1020	.0710	.0740	
.953			.0910				
.965	.0780						

MACH (2) = .897 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1200	-.3660	.2300	.4540	.4430	.3930	.3720
.050				.2960	.2840	.2470	.2410
.081			.2610				
.086		.1600					
.094	.1500						
.150				.0250	-.0240	-.0910	-.1220
.177			.0860				
.229	.1320						
.246		.1700					
.250				-.1070	-.1470	-.1460	-.1460
.362	.1270						
.400				-.0630	-.1040		-.0830
.402			-.0190				
.497	.0710						
.550				.1750	.1870		
.565			.1730				
.600							.4150
.650						.4690	
.700	.1890				.5030		
.725				-.1310			
.750						.5380	.5300
.760			.5150				
.775				.5450	.5450		

AMES 11-707 OA12 OBA UPPER WING (REPUE7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (1) = -4.980

Y/BM	.299	.364	.427	.534	.673	.780	.897
X/CM							
.818			.5470				
.834	.4840						
.850				.5330	.5090	.4810	
.857			.5440				
.865	.5370						
.900	.5240			.4220			.3360
.905			.4310				
.920				.2840	.2480	.2490	
.923			.2480				
.966	.2130						

MACH (2) = .896 BETA (2) = .000.

Y/BM	.299	.364	.427	.534	.673	.780	.897
Z/CM							
.000	-.0840	-.2180	.2340	.3870	.3470	.2840	.2080
.000				.2520	.2260	.1860	.1750
.001			.2200				
.006		.1220					
.004	.1240						
.150				.1020	-.0480	-.1150	-.1430
.177			.0370				
.229	.1060						
.246		.1360					
.250				-.1300	-.1720	-.1650	-.1490
.382	.0860						
.400				-.1140	-.1320		-.0870
.402			-.0770				
.407	.0480						
.550				.1230	.1010		
.565			.1040				
.600							.3440
.650						.4370	
.700	.1580				.4810		
.725				-.1070			
.730						.4980	.4850
.760			.4810				
.778				.9110	.5020		
.800			.9130				
.834	.4360						
.850				.9180	.4870	.4640	
.857			.9110				
.865	.9180						
.900	.4840			.4070			.3180
.905			.3980				
.920				.2530	.2400	.2380	
.923			.2210				

AMES 11-7D7 OA12 OEA UPPER WING (RBPUE7)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .080

MACH (2) = .899 BETA (3) = 5.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	.1740						
.000	-.0070	-.0680	.2390	.3280	.2470	.1730	.1730
.050				.2090	.1840	.1360	.1120
.081			.1890				
.086		.0960					
.094	.1070						
.150				-.0130	-.0850	-.1370	-.1660
.177			.0800				
.229	.0990						
.246		.1160					
.250				-.1470	-.1980	-.1870	-.1650
.362	.0960						
.400				-.1650	-.1650		-.0880
.402			-.1330				
.497	.0420						
.550				.0690	.1290		
.565			.0280				
.600							.3440
.650						.3880	
.700	.0300				.4190		
.725				-.1120			
.750						.4330	.4330
.760			.4500				
.775				.4800	.4580		
.808			.4690				
.834	.4120						
.850				.4940	.4650	.4350	
.857			.4850				
.865	.4840						
.900	.4330			.3870			.2900
.905			.3670				
.950				.2360	.2290	.2180	
.953			.1950				
.965	.1270						

AMES 11-707 OA12 C2A UPPER WING (RBPUR8) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.0480 INCHES YMRP = .0000 INCHES
BREF = 30.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0340 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .507 BETA (1) = -7.970

Y/BW / X/CW	.259	.364	.427	.534	.673	.780	.897
.000	.0050	-.0340	.3430	.5620	.5600	.5370	.5240
.040				.0500	.0320	-.0070	.0290
.081			-.0840				
.086		.1100					
.094	.1080						
.130				-.1880	-.2380	-.2800	-.2720
.177			-.1110				
.229	.0880						
.246		-.0010					
.250				-.2830	-.2540	-.2820	-.2370
.302	-.0080						
.400				-.1110	-.1610		-.1620
.402			-.0710				
.497	-.0380						
.850				.1010	.0730		
.865			.1280				
.880							.2800
.650						.3530	
.710	.1500				.4450		
.725				-.1180			
.750						.5280	.4190
.750			.4230				
.775				.4710	.5260		
.810			.4480				
.834	.3940						
.850				.4080	.3610	.3420	
.857			.4180				
.865	.4480						
.910	.4330			.2880			.2150
.905			.3070				
.950				.1430	.0970	.1390	
.953			.1510				
.965	.1620						

MACH (1) = .898 BETA (2) = -3.940

Y/BW / X/CW	.259	.364	.427	.534	.673	.780	.897
.000	-.0010	-.0010	.3800	.5230	.5040	.4850	.4530
.050				-.0260	-.0230	-.0540	-.0310
.081			-.0610				
.086		.0750					
.094	.0780						

AMES 11-7U7 OA12 OEA UPPER WING (RDPUE8)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .986 BETA (2) = -3.940

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-.2090	-.2620	-.2990	-.2970
.177			-.1380				
.229	.0330						
.246		-.0900					
.250				-.2560	-.2790	-.2730	-.2500
.362	-.0320						
.400				-.1540	-.1870		-.1850
.402			-.1150				
.497	-.0630						
.550				.0710	.0610		
.565			.0800				
.600							.2800
.650						.3440	
.700	.1010				.4330		
.725				-.1030			
.750						.5100	.4120
.780			.3870				
.775				.4300	.5080		
.848			.4250				
.834	.3820						
.850				.3740	.3460	.3240	
.857			.4080				
.865	.4130						
.900	.4010			.2830			.2040
.905			.2960				
.950				.1180	.0830	.1070	
.953			.1360				
.965	.1380						

MACH (1) = .900 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0300	.0040	.3000	.4850	.4510	.4380	.3950
.050				-.0720	-.0680	-.1070	-.0740
.081			-.0830				
.086		.0480					
.094	.0520						
.150				-.2280	-.2780	-.3170	-.2980
.177			-.1460				
.229	.0090						
.246		-.0480					
.250				-.2710	-.2910	-.2820	-.2480
.362	-.0550						
.400				-.1850	-.1940		-.1900
.402			-.1410				
.497	-.0980						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA124

AMES 11-707 OA12 O2A UPPER WING (RDPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .000

Y/BW	.290	.384	.427	.534	.673	.780	.887
X/CW							
.500				.0400	.0350		
.505			.6400				
.600							.2610
.650						.3350	
.700	.0830				.4110		
.725				-.0800			
.750						.4060	.3970
.760			.3750				
.775				.4110	.4930		
.800			.4100				
.804	.3000						
.850				.3700	.3320	.3190	
.857			.3600				
.885	.3060						
.900	.3700			.2500			.1610
.915			.2700				
.950				.1100	.0700	.0820	
.953			.1200				
.965	.1230						

MACH (1) = .598 BETA (4) = 4.180

Y/BW	.290	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3040	-.0220	.2020	.4310	.3080	.3730	.3210
.010				-.1200	-.1290	-.1560	-.1330
.021			-.1310				
.035		.0160					
.104	.0220						
.150				-.2920	-.3420	-.3360	-.3200
.177			-.1000				
.229	-.0810						
.246		-.0740					
.250				-.2910	-.3150	-.3000	-.2720
.300	-.0050						
.310				-.2150	-.2270		-.2010
.314			-.1840				
.321	-.1800						
.350				.0100	.0230		
.365			-.0040				
.600							.2510
.650						.3190	
.700	.0680				.3940		
.725				-.0900			
.750						.4720	.3790
.760			.3430				
.775				.3060	.4750		

AMES 11-7U7 OA12 OEA UPPER WING (RDPUB0)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (2) = -2.940

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.150				-.2080	-.2620	-.2990	-.2970
.177			-.1380				
.229	.0330						
.246		-.0300					
.250				-.2560	-.2790	-.2730	-.2540
.362	-.0320						
.400				-.1540	-.1870		-.1850
.402			-.1150				
.497	-.0830						
.550				.0710	.0610		
.585			.0800				
.600							.2800
.650						.3440	
.700	.1010				.4330		
.725				-.1090			
.750						.5100	.4120
.760			.3870				
.775				.4900	.5080		
.808			.4250				
.834	.3620						
.850				.3740	.3480	.3240	
.857			.4086				
.865	.4130						
.900	.4010			.2830			.2040
.905			.2980				
.950				.1180	.0830	.1070	
.953			.1360				
.985	.1389						

MACH (1) = .900 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.000	-.0500	.0040	.3000	.4850	.4810	.4380	.3890
.050				-.0720	-.0880	-.1070	-.0740
.081			-.0830				
.086		.0480					
.084	.0520						
.150				-.2280	-.2780	-.3170	-.2980
.177			-.1480				
.229	.0090						
.246		-.0480					
.250				-.2710	-.2910	-.2820	-.2480
.362	-.0550						
.400				-.1850	-.1940		-.1900
.402			-.1410				
.497	-.0880						

AMES 11-707 OA12 C2A UPPER WING (REPUB)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .000

Y/BW	.298	.364	.427	.534	.673	.780	.887
X/CW							
.550				.0460	.0350		
.565			.0480				
.600							.2610
.650						.3350	
.700	.0550				.4110		
.725				-.0800			
.750						.4980	.3970
.780			.3750				
.775				.4110	.4930		
.800			.4060				
.834	.3380						
.850				.3700	.3320	.3190	
.857			.3900				
.885	.3680						
.900	.3780			.2580			.1810
.905			.2780				
.950				.1180	.0700	.0920	
.953			.1280				
.965	.1250						

MACH (1) = .985 BETA (4) = 4.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0940	-.0820	.2620	.4310	.3860	.3730	.3210
.050				-.1280	-.1250	-.1580	-.1330
.081			-.1310				
.086		.0160					
.094	.0820						
.150				-.2580	-.3120	-.3380	-.3080
.177			-.1680				
.229	-.0910						
.246		-.0740					
.250				-.2910	-.3150	-.3000	-.2720
.362	-.0850						
.400				-.2150	-.2270		-.2010
.402			-.1840				
.407	-.1080						
.550				.0100	.0250		
.565			-.0040				
.600							.2510
.650						.3190	
.700	.0040				.3940		
.725				-.0990			
.750						.4720	.3790
.780			.3430				
.775				.3080	.4750		

AMES 11-7ft OA12 OEA UPPER WING (RBPUP8)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (2) = -3.940

Y/BW / X/CW	.299	.384	.427	.534	.675	.780	.887
.150				-.2090	-.2620	-.2980	-.2970
.177			-.1380				
.229	.0330						
.246		-.0300					
.250				-.2560	-.2790	-.2730	-.2540
.362	-.0820						
.400				-.1540	-.1870		-.1850
.402			-.1150				
.497	-.0630						
.550				.0010	.0810		
.585			.0800				
.600							.2800
.650						.3440	
.700	.1010				.4330		
.725				-.1030			
.750						.5100	.4120
.780			.3970				
.775				.4300	.5080		
.848			.4250				
.834	.3820						
.850				.3740	.3480	.3240	
.857			.4080				
.865	.4130						
.900	.4010			.2830			.2040
.905			.2980				
.950				.1180	.0830	.1070	
.953			.1360				
.965	.1380						

MACH (1) = .900 BETA (3) = .080

Y/BW / X/CW	.299	.384	.427	.534	.675	.780	.887
.000	-.0300	.0040	.3000	.4830	.4510	.4380	.3950
.050				-.0720	-.0680	-.1070	-.0740
.081			-.0830				
.086		.0480					
.094	.0380						
.150				-.2280	-.2780	-.3170	-.2980
.177			-.1480				
.229	.0090						
.246		-.0480					
.250				-.2710	-.2910	-.2820	-.2480
.362	-.0550						
.400				-.1850	-.1940		-.1900
.402			-.1410				
.497	-.0880						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (REPUB)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .980 BETA (3) = .080

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.950				.0460	.0950		
.965			.0480				
.800							.2810
.850						.3350	
.700	.0930				.4110		
.725				-.0850			
.750						.4980	.3970
.780			.3750				
.775				.4110	.4950		
.808			.4080				
.834	.3380						
.850				.3700	.3320	.3190	
.857			.3900				
.885	.3060						
.900	.3780			.2980			.1810
.905			.2780				
.950				.1180	.0700	.0980	
.953			.1280				
.985	.1230						

MACH (1) = .989 BETA (4) = 4.190

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.000	-.0940	-.0220	.2880	.4310	.3060	.3730	.3210
.050				-.1280	-.1290	-.1560	-.1330
.081			-.1310				
.088		.0180					
.094	.0820						
.150				-.2580	-.3120	-.3360	-.3280
.177			-.1680				
.229	-.0010						
.248		-.0740					
.250				-.2910	-.3150	-.3000	-.2720
.302	-.0880						
.400				-.2150	-.2270		-.2010
.402			-.1840				
.497	-.1080						
.550				.0100	.0230		
.585			-.0049				
.600							.2510
.650						.3190	
.700	.0080				.3940		
.725				-.0990			
.750						.4720	.3790
.760			.3430				
.775				.3080	.4750		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT (A12 OEA UPPER WING (RBPU28)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .995 BETA (4) = 4.190

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			.3710				
.834	.3140						
.850				.3530	.3210	.2960	
.857			.3660				
.865	.3620						
.900	.3490			.2420			.1750
.905			.2650				
.950				.0990	.0830	.0640	
.953			.1080				
.965	.1040						

MACH (1) = .988 BETA (5) = 8.290

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1680	-.0550	.1980	.3680	.3180	.3140	.2540
.050				-.1570	-.1730	-.2050	-.1680
.081			-.1340				
.086		.0040					
.094	.0080						
.150				-.2630	-.3230	-.3440	-.3320
.177			-.1740				
.229	-.0130						
.246		-.0780					
.250				-.3050	-.3180	-.3000	-.2680
.362	-.0730						
.400				-.2310	-.2280		-.1920
.402			-.2030				
.497	-.1200						
.550				-.0070	.0090		
.565			-.0310				
.600							.2300
.650						.3090	
.700	-.0320				.3550		
.725				-.1080			
.750						.4000	.3700
.760			.3310				
.775				.3740	.4240		
.808			.3670				
.834	.2990						
.850				.3450	.3110	.2820	
.857			.3480				
.865	.3530						
.900	.3340			.2420			.1580
.905			.2490				
.950				.1030	.0580	.0460	
.953			.0910				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A UPPER WING (REPUB)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (5) = 0.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0640						

MACH (2) = .900 BETA (1) = -8.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0200	-.0170	.4460	.6820	.6610	.6480	.6270
.050				.0280	.0230	-.0310	-.0250
.081			-.0040				
.086		.1390					
.094	.1280						
.150				-.2290	-.3170	-.4530	-.4980
.177			-.1240				
.229	.0880						
.246		.0320					
.250				-.3930	-.4350	-.4110	-.4480
.362	.0330						
.400				-.1270	-.1980		-.1930
.402			-.0770				
.497	-.0530						
.550				.1940	.1730		
.565			.1910				
.600							.3780
.650						.4530	
.700	.2030				.4870		
.725				-.1380			
.750						.5340	.5000
.760			.4640				
.775				.3830	.5380		
.800			.4930				
.834	.4420						
.850				.4760	.4840	.4610	
.857			.5200				
.865	.5130						
.900	.5290			.3910			.3020
.905			.4350				
.950				.2370	.2220	.2270	
.953			.2510				
.965	.2470						

MACH (2) = .897 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0150	.0260	.4070	.6210	.5860	.5710	.5480
.050				-.0270	-.0350	-.0860	-.0880
.081			-.0440				
.086		.1000					
.094	.0910						

AMES 11-7D7 CA12 02A UPPER WING (RBPU20)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.2460	-.3310	-.4790	-.5240
.177			-.1390				
.229	.0320						
.246		.0020					
.250				-.3750	-.4470	-.4120	-.4430
.362	-.0030						
.400				-.1660	-.2380		-.1830
.402			-.1330				
.497	-.0810						
.550				.1540	.1470		
.565			.1380				
.600							.3660
.650						.4360	
.700	.1430				.4600		
.725				-.1210			
.750						.5070	.4800
.760			.4250				
.775				.4500	.5190		
.808			.4660				
.834	.3940						
.850				.4540	.4610	.4490	
.857			.5040				
.865	.4620						
.900	.4770			.3770			.2950
.905			.4200				
.950				.2220	.2150	.2180	
.953			.2380				
.965	.2210						

MACH (2) = .900 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0180	.0310	.3680	.5820	.5150	.5000	.4650
.050				-.0640	-.0850	-.1520	-.1720
.081			-.0610				
.086		.0710					
.094	.0870						
.150				-.2470	-.3460	-.5070	-.5460
.177			-.1360				
.229	.0370						
.246		-.0100					
.250				-.3820	-.4330	-.4430	-.4580
.362	-.0170						
.400				-.2230	-.2620		-.1720
.402			-.1940				
.497	-.0890						

AMES 11-7\7 OA12 OEA UPPER WING (RBPU20)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				.1110	.1220		
.565			.0770				
.600							.3520
.650						.4150	
.700	.0760				.4300		
.725				-.1070			
.750						.4970	.4690
.760			.3850				
.775				.4240	.5230		
.800			.4240				
.834	.3550						
.850				.4530	.4700	.4470	
.857			.4750				
.865	.4190						
.900	.4350			.3830			.2850
.905			.4030				
.950				.2390	.2250	.2190	
.953			.2260				
.965	.1940						

MACH (2) = .904 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0970	.0040	.3160	.4940	.4390	.4220	.3750
.050				-.1140	-.1220	-.1980	-.2270
.087			-.0690				
.086		.1490					
.094	.1480						
.150				-.2550	-.3570	-.5230	-.5740
.177			-.1350				
.229	.0240						
.246		-.0240					
.250				-.3840	-.4270	-.4730	-.4400
.362	-.0310						
.400				-.2990	-.2770		-.1690
.402			-.2450				
.497	-.0880						
.550				.1640	.1170		
.565			.0180				
.600							.3350
.650						.3750	
.700	-.0080				.3580		
.725				-.1100			
.750						.4220	.4320
.760			.3620				
.775				.3960	.3980		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU28)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (4) = 4.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.3880				
.834	.3400						
.850				.4430	.4310	.4050	
.857			.4280				
.865	.4010						
.900	.4100			.3770			.2770
.905			.3630				
.950				.2270	.2050	.1930	
.953			.1930				
.965	.1570						

MACH (2) = .904 BETA (5) = 8.400

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1410	-.0150	.2240	.4230	.3560	.3440	.2780
.050				-.1380	-.1620	-.2490	-.2990
.081			-.0870				
.086		.0400					
.094	.0290						
.150				-.2440	-.3630	-.5180	-.6080
.177			-.1360				
.229	.0320						
.246		-.0200					
.250				-.3680	-.4270	-.4850	-.4440
.362	-.0130						
.400				-.3510	-.2680		-.1690
.412			-.2640				
.497	-.0920						
.550				.0310	.1130		
.565			-.0430				
.600							.3060
.650						.3250	
.700	-.0690				.3240		
.725				-.1210			
.750						.3650	.4180
.760			.3440				
.775				.3670	.3450		
.808			.3930				
.834	.3020						
.850				.4060	.3850	.3670	
.857			.3930				
.865	.3700						
.900	.3650			.3380			.2550
.905			.3110				
.950				.1950	.1920	.1710	
.953			.1530				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A UPPER WING (RSPU28)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (5) = 8.4(D)

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.1U7D						

AMES 11-7FT OA12 OBA UPPER WING (RBPU29) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -8.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.0450	.0090	.3150	.5400	.4830	.4780	.2740
.050				-.5130	-.5510	-.6540	-.6110
.081			-.4980				
.086		-.0230					
.094	.0330						
.150				-.5040	-.6060	-.6920	-.6940
.177			-.3960				
.229	-.0370						
.246		-.2470					
.250				-.4350	-.5030	-.5170	-.5110
.362	-.1680						
.400				-.2110	-.2800		-.3120
.402			-.1430				
.497	-.1580						
.550				.1060	.0540		
.565			.1170				
.600							.2180
.650						.3070	
.700	.1020				.3830		
.725				-.1360			
.750						.4040	.3700
.760			.3270				
.775				.3710	.4370		
.800			.3380				
.834	.3990						
.850				.3610	.3620	.3400	
.857			.3300				
.865	.5100						
.900	.4870			.2830			.2180
.905			.2990				
.930				.1590	.1490	.1740	
.953			.1450				
.965	.1780						

MACH (1) = .900 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1950	-.1250	.1960	.4150	.3390	.3280	.1040
.050				-.5760	-.6000	-.7220	-.6690
.081			-.5460				
.086		-.0720					
.094	-.0130						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.98U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.5230	-.6320	-.7130	-.7030
.177			-.4220				
.229	-.0690						
.246		-.2740					
.250				-.4500	-.5070	-.5050	-.5100
.362	-.2030						
.400				-.2440	-.2920		-.3060
.402			-.1900				
.497	-.1970						
.550				.0780	.0510		
.565			.0610				
.600							.2290
.650						.3030	
.700	.0480				.3410		
.725				-.1220			
.750						.3930	.3660
.760			.2870				
.775				.3110	.3710		
.800			.3110				
.834	.3730						
.850				.3110	.3330	.3270	
.857			.3210				
.865	.4730						
.900	.4540			.2480			.2150
.905			.2730				
.950				.1280	.1200	.1500	
.953			.1430				
.985	.1480						

MACH (1) = .598 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.3380	-.2810	.0050	.2060	.2150	.1910	-.0660
.150				-.5950	-.6450	-.7560	-.6940
.161			-.5420				
.186		-.0830					
.194	-.0410						
.150				-.5140	-.6180	-.7040	-.6870
.177			-.4070				
.229	-.0790						
.246		-.2710					
.250				-.4610	-.4980	-.4880	-.4560
.362	-.2030						
.400				-.2560	-.2920		-.2970
.402			-.2210				
.497	-.2140						

AMES 11-707 OA12 OEA UPPER WING (RBPU29)

SECTION (1):UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				.0560	.0520		
.565			.0220				
.600							.2250
.650						.2810	
.700	.0030				.2910		
.725				-.1060			
.750						.3530	.3500
.760			.2670				
.775				.2740	.3120		
.808			.3210				
.834	.3580						
.850				.2960	.2790	.2990	
.857			.3330				
.865	.4570						
.900	.4320			.2410			.1950
.905			.2780				
.950				.1180	.0760	.1580	
.953			.1540				
.965	.1450						

MACH (1) = .800 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3040	-.2830	-.0630	.1240	.0360	.0340	-.2600
.050				-.6430	-.6860	-.7910	-.7530
.081			-.5520				
.086		-.1180					
.094	-.1960						
.150				-.5290	-.6270	-.7000	-.6740
.177			-.3930				
.229	-.0850						
.246		-.2740					
.250				-.4730	-.5180	-.5030	-.4540
.362	-.2220						
.400				-.2760	-.2980		-.2790
.402			-.2750				
.497	-.2290						
.550				.0170	.0390		
.565			-.0510				
.600							.2030
.650						.2390	
.700	-.0330				.2410		
.725				-.1090			
.750						.2710	.3490
.760			.3150				
.775				.3160	.2510		

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (ROPUE9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .840 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.3770				
.834	.2900						
.850				.2830	.2510	.2590	
.857			.3280				
.865	.3560						
.900	.3520			.2110			.1980
.905			.2280				
.950				.0870	.0590	.0570	
.953			.0950				
.965	.1180						

MACH (1) = .597 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.352	-.2270	-.1770	-.0490	-.1290	-.1690	-.4850
.050				-.6220	-.6870	-.8130	-.7870
.081			-.4110				
.086		-.1620					
.094	-.2740						
.150				-.5110	-.6180	-.6810	-.6360
.177			-.3830				
.229	-.0810						
.246		-.3350					
.250				-.4540	-.5010	-.4940	-.4340
.362	-.2020						
.400				-.2710	-.2810		-.2350
.402			-.3280				
.497	-.2320						
.550				-.1630	.0380		
.565			-.1280				
.600							.1850
.650						.2020	
.700	-.0560				.1920		
.725				-.1260			
.750						.2070	.2310
.760			.2660				
.775				.3680	.2490		
.808			.3270				
.834	.2540						
.850				.2700	.2360	.2120	
.857			.3610				
.865	.3140						
.900	.3070			.1740			.1300
.905			.2680				
.950				.0390	.0470	.0430	
.953			.1370				

AMES 11-707 OA12 OEA UPPER WING (RBPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.250	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.965	.1110						
MACH (2) = .898 BETA (1) = -8.130	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.0800	.0280	.4040	.6470	.5980	.5800	.3570
	.050				-.6410	-.6280	-.6740	-.6610
	.081			-.4270				
	.086		.0190					
	.094	.0540						
	.150				-.6480	-.7380	-.7980	-.9270
	.177			-.5020				
	.229	.0030						
	.246		-.1950					
	.250				-.7210	-.8930	-.7680	-.9220
	.362	-.1230						
	.400				-.1880	-.3030		-.2130
	.402			-.1810				
	.497	-.2690						
	.550				.1460	-.0460		
	.565			.1850				
	.600							.1480
	.650						.0280	
	.700	.1170				.3220		
	.725				-.1460			
	.750						.1380	.2450
	.780			.3740				
	.775				.4214	.4430		
	.806			.4210				
	.834	.4580						
	.850				.3980	.3730	.2070	
	.857			.4700				
	.865	.5940						
	.900	.5940			.3190			.1670
	.905			.4010				
	.950				.1760	.1830	.0580	
	.953			.2330				
	.965	.2410						
MACH (2) = .902 BETA (2) = -4.020	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.000	-.2190	-.1180	.2690	.5260	.4240	.4210	.1920
	.050				-.7050	-.6780	-.8120	-.7760
	.081			-.4520				
	.086		-.0200					
	.094	.0190						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OBA UPPER WING (RBPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9U2 BETA (2) = -4.U2U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.6740	-.7430	-.8420	-.9780
.177			-.5130				
.229	-.0230						
.246		-.2140					
.250				-.6900	-.8890	-.8510	-.9540
.362	-.1540						
.400				-.2440	-.2660		-.1970
.402			-.2510				
.497	-.3240						
.550				.1350	.0490		
.565			.0820				
.600							.0590
.650						.0650	
.700	.0530				.3390		
.725				-.1210			
.750						.2100	.2050
.760			.3280				
.775				.3380	.4280		
.808			.3960				
.834	.4500						
.850				.3380	.3540	.2450	
.857			.4840				
.865	.5780						
.900	.5580			.2080			.1420
.905			.4170				
.950				.1530	.1470	.1020	
.953			.2400				
.965	.2270						

MACH (2) = .000 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.3250	-.2420	.1670	.3990	.2920	.2730	.0310
.050				-.7570	-.8460	-.9380	-.9220
.081			-.4660				
.086		-.0440					
.094	-.0860						
.150				-.6830	-.7180	-.8570	-1.0550
.177			-.5050				
.229	-.0540						
.246		-.2140					
.250				-.6550	-.8790	-.9120	-.9650
.362	-.1730						
.400				-.3800	-.2820		-.1860
.402			-.3740				
.497	-.3310						

AMES 11-707 OA12 O2A UPPER WING (RBPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.350				.0610	.0550		
.565			-.0110				
.600							.0380
.650						.1170	
.700	-.0240				.2360		
.725				-.1190			
.750						.1710	.1580
.760			.3740				
.775				.3200	.2810		
.808			.4680				
.834	.3760						
.850				.3720	.3280	.2390	
.857			.5170				
.865	.4880						
.900	.5100			.3370			.0880
.905			.3890				
.950				.2030	.1460	.1090	
.953			.2060				
.965	.2090						

MACH (2) = .897 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2920	-.1990	.0170	.2540	.1470	.1240	-.1410
.050				-.8010	-.9570	-1.0170	-1.0330
.081			-.4630				
.086		-.0600					
.094	-.2450						
.150				-.6070	-.7120	-.7980	-1.0380
.177			-.4370				
.229	-.0570						
.246		-.2050					
.250				-.6140	-.7710	-.9710	-.7180
.362	-.1610						
.400				-.4890	-.3100		-.2140
.402			-.4529				
.497	-.2990						
.550				-.0510	-.0070		
.565			-.0740				
.600							.0250
.650						.0600	
.700	-.0070				.1910		
.725				-.1200			
.750						.1070	.0420
.760			.3230				
.775				.4240	.2660		

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (RBPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.3750				
.834	.2930						
.850				.4580	.3260	.2410	
.857			.3870				
.865	.4030						
.900	.4210			.3530			-.0320
.905			.2930				
.950				.1950	.1580	.1180	
.953			.1360				
.965	.1690						

MACH (2) = .896 BETA (5) = 8.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3270	-.1690	-.0860	.0960	-.0230	-.0580	-.3330
.050				-.8390	-1.0490	-1.1040	-1.1640
.081			-.3310				
.086		-.1060					
.094	-.3370						
.150				-.5780	-.7410	-.8660	-1.0990
.177			-.4010				
.229	-.0390						
.246		-.2700					
.250				-.5720	-.7420	-.9050	-.4120
.362	-.1310						
.400				-.5050	-.3990		-.1770
.402			-.4560				
.497	-.2700						
.550				-.1260	-.0450		
.565			-.2150				
.600							-.0520
.650						.0290	
.700	-.1570				.1670		
.725				-.1440			
.750						.1370	-.0970
.760			.2400				
.775				.3370	.2690		
.808			.2920				
.834	.2290						
.850				.3140	.3100	.2670	
.857			.3850				
.865	.3290						
.900	.3380			.2220			-.0430
.905			.3280				
.950				.0740	.1800	.1160	
.953			.1840				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RSPU29)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (5) = 3.34U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	.112U						

AMES 11-707 OA12 02A UPPER WING (RBPU30) (01 MAY 73)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0250 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5360	-.6720	-.2800	-.1390	-.3280	-.4380	-.9690
.030				-1.0820	-1.4470	-1.8910	-1.6730
.081			-1.1440				
.086		-.2420					
.094	-.1090						
.150				-.8260	-.9690	-1.1190	-1.0740
.177			-.6460				
.229	-.2070						
.246		-.5100					
.250				-.6080	-.6820	-.6980	-.5570
.362	-.3660						
.400				-.2450	-.2830		-.2870
.402			-.2350				
.497	-.3360						
.550				-.1460	.0260		
.565			-.0840				
.600							.0590
.650						.0710	
.700	.0190				.1180		
.725				-.1580			
.750						.0720	.0820
.760			.3860				
.775				.3290	.1490		
.808			.4950				
.834	.4330						
.850				.3070	.1360	.0940	
.857			.4480				
.885	.5530						
.900	.5000			.2470			.1670
.905			.3460				
.950				.1280	.0710	.1420	
.953			.2130				
.965	.2170						

MACH (1) = .599 BETA (2) = -9.980

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4550	-.5470	-.4760	-.3840	-.5560	-.6730	-1.1950
.030				-1.1430	-1.2870	-1.9700	-1.7150
.081			-1.0930				
.086		-.2740					
.094	-.4080						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RBPU00)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.8350	-.9650	-1.0930	-1.0040
.177			-.5950				
.229	-.2240						
.246		-.4790					
.250				-.6190	-.6810	-.6830	-.6320
.362	-.4770						
.400				-.2770	-.3070		-.2710
.402			-.4040				
.497	-.4250						
.550				-.0620	-.0220		
.565			-.0210				
.600							.0410
.650						.0510	
.700	-.0350				.1090		
.725				-.1320			
.750						.0750	.0590
.760			.3810				
.775				.3090	.1680		
.808			.4360				
.834	.3740						
.850				.2680	.1640	.0950	
.857			.3710				
.865	.5200						
.900	.4810			.2150			.0280
.905			.2720				
.950				.1230	.0680	.0250	
.953			.1450				
.965	.2120						

MACH (1) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4860	-.4720	-.6110	-.5660	-.7610	-.9180	-1.4450
.050				-1.1400	-1.3530	-1.6620	-1.6720
.081			-.8270				
.088		-.2810					
.094	-.6670						
.150				-.7950	-.9490	-1.0380	-1.0000
.177			-.6200				
.229	-.2810						
.246		-.5550					
.250				-.5790	-.6710	-.6530	-.6270
.362	-.4550						
.400				-.3240	-.3050		-.2730
.402			-.3130				
.497	-.4220						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OBA UPPER WING (R..PUSU)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1030	-.0350		
.565			-.0990				.0260
.600						.0530	
.650					.1220		
.700	-.0610			-.1320			
.725						.0840	.0800
.750			.2610				
.760				.3440	.1720		
.775			.3270				
.808							
.834	.3350			.3080	.1290	.0860	
.850			.2480				
.857							
.865	.4840			.2360			.0180
.900	.4700		.1480				
.908				.1280	.0250	-.0150	
.930			.0440				
.953							
.965	.2070						

MACH (1) = .998 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5670	-.4210	-.6880	-.7880	-.9540	-1.1280	-1.6340
.050				-1.0670	-1.3710	-1.5290	-1.6190
.081			-.7070				
.086		-.3640					
.094	-.7500			-.7220	-.9220	-1.0170	-.9940
.120							
.177			-.5800				
.229	-.3320						
.248		-.6180					
.250				-.5840	-.6540	-.6470	-.6170
.362	-.4200			-.3730	-.3630		-.2730
.400							
.402			-.3940				
.497	-.3780						
.550				-.0690	-.0740		
.565			-.2450				
.600							.0490
.650						.0250	
.700	-.0970				.1450		
.725				-.1310			
.750						.0910	.0250
.760			.1990				
.775				.3040	.2190		

AMES 11-7D7 CA12 CBA UPPER WING (RBPU3U)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .590 BETA (4) = 4.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.2820				
.834	.2750						
.850				.2330	.1370	.0980	
.857			.2880				
.865	.4070						
.900	.4070			.1500			-.0170
.905			.2090				
.950				.0270	.0450	-.0050	
.953			.1110				
.965	.1700						

MACH (1) = .590 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6190	-.3980	-.6970	-.9950	-1.1850	-1.3790	-1.6550
.090				-1.0660	-1.4080	-1.5140	-1.4400
.081			-.6790				
.086		-.4240					
.094	-.7920						
.150				-.6800	-.8960	-.9850	-1.0030
.177			-.5680				
.229	-.3230						
.246		-.6110					
.250				-.5670	-.6250	-.6350	-.5980
.362	-.3680						
.400				-.4130	-.2910		-.2870
.402			-.5080				
.497	-.3700						
.550				-.1070	-.0870		
.565			-.2760				
.600							-.0340
.650						.0410	
.700	-.1180				.0640		
.725				-.1480			
.750						.0940	.0320
.760			.1700				
.775				.1890	.1660		
.808			.2510				
.834	.2340						
.850				.1490	.1660	.0880	
.857			.3010				
.865	.3180						
.900	.3090			.0690			.0020
.905			.2540				
.950				-.0540	.0910	-.0110	
.953			.1590				

DATE 16 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 OEA UPPER WING (RBPU3D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (5) = 0.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	.1540						

MACH (2) = .901 BETA (1) = -0.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4080	-.4880	.0200	.3170	.2330	.1770	-.1010
.050				-1.1750	-1.2260	-1.1950	-1.0170
.081			-.8520				
.086		-.1160					
.004	-.1860						
.150				-1.1900	-1.1470	-1.0930	-.8960
.177			-.8770				
.229	-.1710						
.248		-.3930					
.250				-1.1570	-.9270	-.8830	-.6850
.382	-.3790						
.404				-.6940	-.7860		-.6490
.402			-.5050				
.487	-.5770						
.550				-.4510	-.6390		
.565			-.2290				
.600							-.5990
.650						-.5390	
.700	-.0510				-.5140		
.725				-.1710			
.750						-.5080	-.5820
.780			.4250				
.775				.2070	-.4540		
.800			.5060				
.834	.4240						
.850				.3700	-.4430	-.4790	
.857			.4790				
.885	.5780						
.900	.5160			.4130			-.5160
.905			.5010				
.900				.3250	-.2640	-.4890	
.955			.2080				
.985	.2310						

MACH (2) = .804 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.000	-.4440	-.3820	-.1690	.1380	.0850	-.0090	-.2920
.050				-1.2590	-1.2870	-1.1700	-.8440
.091			-.6660				
.086		-.2170					
.004	-.4880						

AMES 11-7D7 OA12 OEA UPPER WING (RBPU30)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-1.2030	-1.2080	-.9800	-.7520
.177			-.7840				
.229	-.2750						
.248		-.4510					
.250				-1.1430	-.9780	-.8730	-.6860
.362	-.3380						
.400				-.7410	-.8300		-.6260
.402			-.9200				
.497	-.6520						
.550				-.4590	-.8990		
.565			-.2010				
.600							-.6210
.650						-.6010	
.710	-.1870				-.5230		
.725				-.1570			
.750						-.5710	-.5780
.780			.3360				
.775				.2250	-.4330		
.818			.4040				
.834	.3750						
.850				.4080	-.3660	-.5210	
.857			.3480				
.865	.6020						
.910	.5450			.3820			-.5500
.905			.2840				
.950				.2200	-.1580	-.5190	
.953			.1060				
.965	.2420						

MACH (2) = .903 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4740	-.3260	-.3190	-.0360	-.1110	-.2260	-.4960
.050				-1.3280	-1.0870	-.9890	-.7270
.081			-.5570				
.086		-.2260					
.094	-.5800						
.150				-1.1510	-.9550	-.9860	-.7580
.177			-.7280				
.229	-.3390						
.246		-.4290					
.250				-.8260	-.9230	-.8750	-.7130
.362	-.3290						
.400				-.6170	-.8690		-.6760
.402			-.5240				
.497	-.6660						

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A

AMES 11-7FT OA12 OEA UPPER WING (RBPU90)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.5520	-.7440		
.565			-.3580				
.610							-.6370
.650						-.5960	
.700	-.2530				-.5300		
.725				-.1480			
.750						-.5530	-.9840
.760			.1340				
.775				.1980	-.4280		
.848			.2070				
.894	.2810						
.850				.2980	-.3440	-.9100	
.857			.2020				
.865	.5830						
.900	.5900			.2190			-.5520
.915			.1240				
.950				.1080	-.1190	-.9000	
.953			-.0670				
.969	.2410						

MACH (2) = .903 BETA (4) = 4.120

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5380	-.3880	-.4210	-.2380	-.2980	-.4190	-.7040
.050				-1.3760	-1.0710	-.9960	-.7010
.101			-.3080				
.108		-.3010					
.184	-.6830						
.150				-.8380	-1.0190	-.9010	-.7730
.177			-.7010				
.289	-.3080						
.240		-.4390					
.250				-.8810	-.8940	-.9450	-.7910
.302	-.3010						
.400				-.7310	-.8980		-.7330
.402			-.8040				
.497	-.3830						
.500				-.8840	-.7370		
.588			-.4230				
.600							-.6830
.650						-.6490	
.700	-.3380				-.4800		
.725				-.1850			
.750						-.5810	-.8380
.760			.0140				
.775				.1800	-.3120		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 OBA UPPER WING (RBPU30)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.1010				
.834	.1320						
.850				.[illegible]170	-.1220	-.5130	
.857			.2300				
.865	.3620						
.900	.3810			.1330			-.5810
.905			.2090				
.950				.0040	-.0040	-.4830	
.953			.0990				
.965	.1640						

MACH (2) = .905 BETA (5) = 8.320

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6010	-.3480	-.5220	-.4610	-.5100	-.6410	-.8840
.050				-1.3760	-1.1860	-.9770	-.7680
.081			-.5130				
.086		-.3420					
.094	-.7010						
.150				-.8760	-1.1060	-.9490	-.7880
.177			-.6790				
.229	-.3680						
.246		-.3590					
.250				-.8220	-.9800	-.9080	-.7550
.362	-.2320						
.400				-.6790	-.8700		-.7480
.402			-.6930				
.497	-.5390						
.550				-.3980	-.6890		
.565			-.4670				
.600							-.6870
.650						-.6500	
.700	-.3480				-.3710		
.725				-.1630			
.750						-.5800	-.6300
.760			.0120				
.775				-.0090	-.2220		
.808			.1080				
.834	.1040						
.850				.1020	.0000	-.4440	
.857			.2370				
.865	.2470						
.900	.2790			.0650			-.5800
.905			.2240				
.950				-.0690	.0220	-.4070	
.953			.1330				

DATE 10 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-FT CA12 CBA UPPER WING (RDPU30)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .940 BETA (5) = 0.320

Y/SW	.290	.384	.427	.534	.673	.794	.907
X/CW							
.988	.1200						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU31) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0304 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5380	-.6010	-1.0260	-.9530	-.6810	-.7570	-.9990
.050				-2.0020	-1.1680	-.9120	-.6360
.081			-1.2120				
.088		-.6240					
.094	-.7280						
.150				-1.2840	-1.1080	-1.0010	-.6850
.177			-.8190				
.229	-.7010						
.246		-.8590					
.250				-.9180	-1.0010	-.8160	-.6340
.362	-.7820						
.400				-.5230	-.7300		-.5520
.402			-.4170				
.497	-.7570						
.550				-.3120	-.5010		
.565			-.1680				
.600							-.4470
.650						-.4780	
.700	-.1850				-.3130		
.725				-.1910			
.750						-.3810	-.3880
.760			.1690				
.775				.1290	-.2440		
.808			.2160				
.834	.3000						
.850				.1310	-.2580	-.3080	
.857			.1100				
.865	.5310						
.900	.5330			.1010			-.3500
.905			.0000				
.950				.0430	-.1520	-.2580	
.953			-.1020				
.965	.3400						

MACH (1) = .500 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6850	-.5910	-1.1460	-1.2060	-1.1150	-1.0110	-.8740
.050				-2.0320	-1.2450	-.9430	-.6230
.081			-1.0530				
.088		-.8150					
.094	-.7940						

AMES 11-7D7 OA12 OBA UPPER WING (RBPU51)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .990 BETA (2) = -3.980

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.150				-1.3740	-1.1340	-.8250	-.5950
.177			-.8610				
.229	-.8070						
.246		-.9130					
.250				-.9810	-.8360	-.7480	-.5640
.302	-.9170						
.400				-.5790	-.7310		-.5530
.402			-.4280				
.497	-.8010						
.550				-.5810	-.5950		
.568			-.2570				
.600							-.4700
.650						-.5190	
.700	-.1880				-.3570		
.725				-.1740			
.750						-.4410	-.4180
.780			.0280				
.775				.0840	-.2330		
.800			.0890				
.854	.2530						
.850				.0490	-.2800	-.3890	
.857			.0220				
.885	.4940						
.900	.5880			.0040			-.3780
.906			-.0020				
.920				-.0900	-.1130	-.3080	
.955			-.1200				
.985	.3120						

MACH (1) = .980 BETA (3) = .080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.7940	-.8020	-1.2250	-1.4380	-1.3010	-1.1020	-.8570
.080				-2.1150	-1.2580	-.8180	-.6750
.081			-1.0120				
.088		-.8280					
.094	-.8800						
.150				-1.2080	-1.1020	-.8050	-.6350
.177			-.7700				
.229	-.8488						
.246		-.9120					
.250				-.7680	-.9550	-.7520	-.6120
.302	-.8640						
.400				-.5740	-.7880		-.5760
.402			-.3040				
.497	-.8020						

AMES 11-7D7 OA12 OEA UPPER WING (RBPUD1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.3340	-.6340		
.565			-.3860				
.600							-.5060
.650						-.5430	
.700	-.2380				-.3450		
.725				-.1700			
.750						-.4640	-.4400
.760			-.0070				
.775				.0290	-.2070		
.808			.0830				
.834	.2120						
.850				.0180	-.2140	-.3940	
.857			.0700				
.865	.4540						
.900	.4670			-.0120			-.3590
.905			.0100				
.950				-.0930	-.1150	-.2930	
.953			-.0350				
.965	.2400						

MACH (1) = .900 BETA (4) = 4.170

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.9070	-.6390	-1.3030	-1.7420	-1.5680	-1.6710	-1.1220
.050				-2.4610	-1.4620	-1.3450	-.7710
.061			-.9540				
.086		-.7250					
.094	-1.0080						
.150				-.9190	-1.1870	-1.1740	-.7300
.177			-.7940				
.229	-.8780						
.246		-.9160					
.250				-.7390	-1.0090	-.9090	-.6820
.362	-.7680						
.400				-.5310	-.7760		-.6140
.402			-.6120				
.497	-.6210						
.550				-.2140	-.4560		
.565			-.4410				
.600							-.5250
.650						-.4700	
.700	-.2240				-.1330		
.725				-.1580			
.750						-.3840	-.4570
.760			.0180				
.775				.0640	-.0360		

AMES 11-FT OA12 OEA UPPER WING (RBPUS1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .589 BETA (4) = 4.170

Y/BW / X/CW	.290	.384	.427	.534	.673	.780	.887
.808			.1510				
.834	.2080						
.850				.0410	.0100	-.3040	
.857			.1690				
.885	.3140						
.904	.3070			-.0110			-.4250
.905			.1250				
.950				-.1110	.0290	-.2280	
.953			.0710				
.965	.2070						

MACH (1) = .587 BETA (5) = 8.240

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.100	-.9850	-.6650	-1.2740	-2.0260	-1.5910	-1.9670	-1.2110
.150				-2.4210	-1.2540	-1.5980	-.8820
.181			-.9050				
.186		-.6730					
.184	-1.1290						
.190				-.7840	-1.2650	-1.3600	-.8190
.177			-.8180				
.229	-.8470						
.246		-.8080					
.250				-.7630	-1.0850	-.9650	-.7380
.262	-.8720						
.400				-.5360	-.8850		-.6580
.442			-.7330				
.487	-.8960						
.530				-.2610	-.3570		
.585			-.4810				
.800							-.5330
.680						-.3940	
.700	-.8440				-.1010		
.725				-.1840			
.750						-.2980	-.4420
.780			-.0180				
.775				-.0820	-.0540		
.808			.0880				
.834	.1310						
.850				-.0290	-.0250	-.2140	
.857			.1780				
.885	.2780						
.900	.3480			-.0830			-.3580
.905			.1950				
.950				-.1800	.0240	-.1550	
.953			.1590				

AMES 11-7X7 OA12 02A UPPER WING (RBPU31)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 0.240

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.2450						

MACH (2) = .898 BETA (1) = -8.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5280	-.4100	-.4070	-.0610	-.1120	-.2030	-.4840
.050				-1.1500	-.9280	-.7590	-.6640
.081			-.8250				
.086		-.4930					
.094	-.4990						
.150				-1.0210	-.9560	-.7410	-.6460
.177			-.8560				
.229	-.5070						
.246		-.6180					
.250				-.9400	-.9060	-.7320	-.6480
.362	-.4660						
.400				-.8160	-.7660		-.6390
.402			-.7860				
.497	-.8240						
.550				-.7390	-.7370		
.565			-.6700				
.600							-.6110
.650						-.8690	
.700	-.4490				-.6870		
.725				-.1900			
.750						-.6630	-.6070
.760			-.1990				
.775				-.4700	-.6550		
.800			-.0810				
.834	.0860						
.850				-.4510	-.6910	-.6350	
.857			-.2220				
.865	.4160						
.900	.4190			-.4210			-.5890
.905			-.2720				
.950				-.4410	-.5360	-.6480	
.953			-.4020				
.965	.2280						

MACH (2) = .901 BETA (2) = -4.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7930	-.4510	-.5770	-.2640	-.2910	-.4080	-.6750
.050				-.9790	-.8770	-.7670	-.7110
.081			-.6970				
.086		-.4430					
.094	-.5880						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (RDPU31)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = -4.020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9580	-.8870	-.7720	-.7040
.177			-.8310				
.229	-.6580						
.248		-.6360					
.250				-.9040	-.8510	-.7590	-.7090
.362	-.5970						
.400				-.8340	-.7870		-.6990
.402			-.7810				
.497	-.6740						
.550				-.7880	-.7560		
.585			-.7260				
.600							-.6880
.630						-.7310	
.700	-.5140				-.7410		
.725				-.1880			
.750						-.7300	-.6720
.760			-.3190				
.775				-.5520	-.6970		
.810			-.1930				
.834	-.0690						
.850				-.4900	-.7200	-.7140	
.867			-.2440				
.885	.4120						
.910	.3630			-.4710			-.6880
.908			-.3380				
.930				-.4780	-.5910	-.6850	
.953			-.4320				
.965	.2010						

MACH (3) = .936 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9160	-.9010	-.7870	-.4780	-.4940	-.6180	-.8360
.050				-1.0580	-.9050	-.7830	-.7350
.101			-.7070				
.148		-.5010					
.088	-.6080						
.150				-.9990	-.9080	-.7820	-.7290
.177			-.8280				
.228	-.7290						
.248		-.6180					
.250				-.9440	-.8680	-.7900	-.7260
.362	-.5980						
.400				-.8590	-.8080		-.7350
.402			-.6700				
.497	-.7810						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU31)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .680

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.7840	-.7870		
.565			-.8020				
.600							-.7080
.650						-.7570	
.700	-.4190				-.7390		
.725				-.1840			
.750						-.7400	-.7010
.760			-.3190				
.775				-.9050	-.6950		
.808			-.2230				
.834	-.0980						
.850				-.4360	-.7110	-.7190	
.857			-.1770				
.865	.3010						
.900	.2430			-.4230			-.6710
.905			-.2160				
.950				-.4360	-.5830	-.6790	
.953			-.3410				
.965	.1730						

MACH (2) = .887 BETA (4) = 4.200

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.0060	-.5480	-.7970	-.6890	-.6980	-.8100	-.9040
.050				-1.1850	-.9190	-.7980	-.7680
.081			-.6570				
.086		-.5250					
.094	-.7230						
.150				-1.0920	-.8980	-.8010	-.7490
.177			-.8010				
.229	-.7690						
.246		-.5930					
.250				-.9700	-.8470	-.7930	-.7430
.362	-.4890						
.400				-.8560	-.8160		-.7400
.402			-.6140				
.497	-.7200						
.550				-.7660	-.7810		
.565			-.8020				
.600							-.7370
.650						-.7640	
.700	-.4170				-.6980		
.725				-.1851			
.750						-.7320	-.7000
.760			-.3430				
.775				-.4670	-.6950		

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OBA UPPER WING (RBPUS1)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.200

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.040			-.2290				
.034	-.1190						
.050				-.3450	.6780	-.7050	
.057			-.0870				
.065	.1580						
.900	.1980			-.3370			-.6680
.905			-.0890				
.930				-.4680	-.5500	-.6730	
.953			-.1560				
.968	.0790						

MACH (2) = .898 BETA (9) = 8.330

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.100	-1.0540	-.5780	-.7910	-.8800	-.8880	-.9080	-.9810
.050				-1.1540	-1.0310	-.8550	-.8120
.091			-.8510				
.086		-.5330					
.094	-.7800						
.190				-1.1280	-.9720	-.8370	-.7970
.177			-.7700				
.289	-.7200						
.246		-.5800					
.250				-.9330	-.9190	-.8330	-.8080
.382	-.4330						
.400				-.8430	-.8580		-.7920
.402			-.9100				
.497	-.7040						
.500				-.8910	-.8150		
.505			-.9010				
.650							-.7720
.650						-.7870	
.700	-.9080				-.8840		
.725				-.8040			
.750						-.7980	-.7240
.790			-.9480				
.775				-.4080	-.6600		
.810			-.2130				
.894	-.1330						
.910				-.3800	-.6620	-.7080	
.957			-.1480				
.985	.0880						
.910	.1280			-.4180			-.6810
.905			-.0950				
.950				-.5550	-.5410	-.6730	
.953			-.1590				

AMES 11-7D7 OA12 OEA UPPER WING (RBPU51)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (9) = 0.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0580						

AMES 11-FT OA12 OBA UPPER WING (REPUS2) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5500 INCHES
LREF = 39.0490 INCHES YMRP = .1400 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .1000 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1):UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .810 BETA (1) = -7.980

Y/BW	.299	.384	.427	.534	.673	.786	.887
X/CW							
.000	-.0650	-.7310	-1.6820	-1.6410	-1.2290	-1.1410	-1.0730
.050				-1.4800	-.9840	-.8750	-.8040
.081			-1.2470				
.106		-.9220					
.094	-.0830						
.150				-1.1960	-.9510	-.8690	-.7040
.177			-1.0820				
.229	-1.0890						
.246		-1.1220					
.250				-1.1070	-.9270	-.8430	-.6930
.362	-1.3740						
.400				-.9570	-.8780		-.7150
.412			-.8360				
.497	-1.1340						
.550				-.7840	-.8280		
.588			-.6710				
.630							-.8280
.680						-.8720	
.700	-.4380				-.8190		
.728				-.2330			
.750						-.3940	-.9490
.788			-.2080				
.775				-.3340	-.9210		
.808			-.1840				
.834	.2570						
.850				-.3080	-.4770	-.4970	
.897			-.2380				
.898	.5380						
.900	.4880			-.3350			-.4580
.948			-.1820				
.950				-.3580	-.3290	-.3910	
.985			-.1180				
.988	.2400						

MACH (1) = .887 BETA (2) = -3.990

Y/BW	.299	.384	.427	.534	.673	.786	.887
X/CW							
.000	-1.0480	-.8450	-1.8970	-1.9220	-1.3890	-1 2740	-1.1150
.050				-1.8410	-1.1800	-.9210	-.7520
.101			-1.3070				
.098		-.9880					
.094	-1.1090						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU32)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = -3.950

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-1.3410	-1.0780	-.9520	-.7920
.177			-1.0470				
.229	-1.3170						
.246		-1.1630					
.250				-1.1850	-1.0130	-.9220	-.7750
.362	-1.3550						
.400				-1.0390	-.9510		-.7630
.402			-.8930				
.497	-1.0360						
.550				-.7540	-.8640		
.565			-.7830				
.600							-.6630
.650						-.6990	
.700	-.4520				-.6280		
.725				-.2220			
.750						-.5830	-.5750
.780			-.2790				
.775				-.3880	-.5060		
.800			-.1440				
.834	.3080						
.850				-.4010	-.4580	-.4650	
.857			-.1670				
.865	.5510						
.900	.5270			-.4060			-.9090
.905			-.1030				
.950				-.4010	-.3300	-.3690	
.953			-.0460				
.965	.2680						

MACH (1) = .599 BETA (3) = .070

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.1920	-.9280	-1.8810	-2.1950	-1.4485	-1.2790	-1.0430
.050				-1.7780	-1.1460	-.9830	-.8360
.081			-1.1810				
.086		-1.0190					
.094	-1.1390						
.150				-1.4730	-1.1120	-.9880	-.8360
.177			-1.1150				
.229	-1.4440						
.246		-1.1510					
.250				-1.1950	-1.0770	-.9560	-.8380
.362	-1.2220						
.400				-1.0260	-1.0040		-.8090
.402			-.8940				
.497	-.9820						

AMES 11-707 OA12 OEA UPPER WING (REPUS2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .070

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.867
.550				-.7280	-.8950		
.569			-.8780				
.614							-.6910
.650						-.7110	
.700	-.4100				-.6380		
.725				-.2810			
.750						-.6240	-.5580
.781			-.2360				
.775				-.4190	-.5250		
.810			-.0750				
.834	.1580						
.850				-.4280	-.4680	-.4850	
.857			.0190				
.868	.2840						
.910	.3680			-.4300			-.5140
.926			.0980				
.950				-.4270	-.3870	-.3930	
.953			.1120				
.966	.3890						

MACH (1) = .300 BETA (4) = 4.190

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.867
.000	-1.2960	-.9790	-1.0250	-2.2950	-1.4380	-1.1380	-.9330
.050				-2.0880	-1.2550	-1.0470	-.8680
.081			-1.2090				
.108		-.9790					
.134	-1.2960						
.150				-1.5850	-1.2210	-1.0080	-.8580
.177			-1.0530				
.229	-1.4580						
.246		-1.2270					
.250				-1.1380	-1.1470	-.9780	-.8330
.362	-1.0980						
.400				-.9490	-1.0110		-.7980
.402			-.9870				
.407	-.8770						
.550				-.6700	-.7810		
.565			-.8480				
.600							-.6830
.650						-.7280	
.700	-.3870				-.6480		
.725				-.2150			
.750						-.6680	-.6320
.780			-.2870				
.775				-.5150	-.5650		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU32)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (4) = 4.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0570				
.834	.1450						
.850				-.4080	-.4300	-.5100	
.857			.1440				
.865	.3630						
.900	.4220			-.4240			-.5020
.905			.1990				
.950				-.4150	-.2850	-.3770	
.953			.2190				
.965	.2670						

MACH (1) = .800 BETA (5) = 8.290

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3750	-.9920	-1.7360	-2.4780	-1.4240	-1.1040	-.5160
.050				-2.3280	-1.3240	-1.0530	-.8690
.081			-1.2400				
.086		-.9370					
.094	-1.5080						
.150				-1.5110	-1.2690	-1.0290	-.8680
.177			-1.0230				
.229	-1.3750						
.246		-1.1150					
.250				-1.0810	-1.1810	-.9900	-.8230
.362	-.9900						
.400				-.9080	-.9880		-.8060
.402			-1.0930				
.497	-.8280						
.550				-.7100	-.7490		
.565			-.8060				
.600							-.7(50
.650						-.7000	
.700	-.3840				-.6400		
.725				-.2160			
.750						-.6490	-.6490
.760			-.0970				
.775				-.3830	-.4660		
.808			.0500				
.834	.1690						
.850				-.3760	-.3770	-.4370	
.857			.0320				
.865	.2160						
.900	.2560			-.3790			-.4720
.905			.0560				
.950				-.3370	-.3030	-.3370	
.953			.0960				

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AMES 11-707 OA12 OEA UPPER WING (REPUD2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .810 BETA (5) = 0.290

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.985	.4470						

MACH (2) = .910 BETA (1) = -0.070

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.7020	-.5010	-.8980	-.4840	-.5010	-.6060	-.6810
.050				-.8470	-.8560	-.8270	-.6970
.088			-.9820				
.098		-.7210					
.104	-.7350						
.150				-.8490	-.8240	-.8540	-.7180
.177			-.8820				
.229	-.5420						
.248		-.7490					
.250				-.8540	-.8380	-.9180	-.7210
.302	-.7350						
.400				-.8550	-.8410		-.7280
.442			-.8810				
.497	-1.1150						
.550				-.8330	-.8260		
.565			-.8530				
.600							-.7150
.650						-.7580	
.700	-.7020				-.7810		
.725				-.8440			
.750						-.7580	-.7250
.780			-.4080				
.775				-.8710	-.7980		
.800			-.4080				
.824	-.2120						
.850				-.8390	-.7820	-.7570	
.897			-.4080				
.948	.1170						
.950	.0980			-.8880			-.7040
.906			-.4790				
.980				-.9740	-.7080	-.7550	
.953			-.4880				
.980	-.0920						

MACH (3) = .880 BETA (2) = -4.000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.9430	-.7210	-1.0840	-.4910	-.6850	-.7940	-1.0000
.050				-.9250	-.8910	-.8080	-.7430
.088			-.9190				
.098		-.8840					
.104	-.9980						

AMES 11-707 OA12 02A UPPER WING (RBPUS2)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = -4.000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.9150	-.8880	-.9160	-.7680
.177			-.6920				
.229	-.8300						
.246		-.8130					
.250				-.9140	-.8840	-.9760	-.7700
.362	-.8970						
.400				-.9080	-.8870		-.7780
.402			-.6930				
.497	-.9940						
.550				-.8780	-.8710		
.565			-.9110				
.600							-.7570
.650						-.8100	
.700	-.5150				-.8250		
.725				-.2350			
.750						-.8010	-.7620
.760			-.4780				
.775				-.6510	-.8090		
.808			-.3380				
.834	-.0980						
.850				-.6330	-.8290	-.8130	
.857			-.4170				
.865	.0880						
.910	.0840			-.5620			-.7460
.905			-.4510				
.950				-.5610	-.7030	-.7950	
.953			-.4870				
.965	-.0730						

MACH (2) = .905 BETA (3) = .070

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-1.1060	-.8350	-1.0880	-.8650	-.8710	-.9570	-1.0130
.050				-.9760	-.9260	-.8910	-.8250
.081			-.7840				
.086		-.7070					
.094	-1.0940						
.150				-.9440	-.9090	-.8970	-.8350
.177			-.8940				
.229	-1.0600						
.246		-.7630					
.250				-.9320	-.9110	-.9420	-.8210
.362	-.8160						
.400				-.9180	-.9050		-.8340
.402			-.9430				
.497	-.9580						

AMES 11-707 OA12 ORA UPPER WING (RBPU32)

SECTION (3)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .905 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.550				-.9130	-.8980		
.585			-.8970				
.600							-.8170
.650						-.8570	
.700	-.5080				-.8570		
.725				-.2350			
.750						-.8410	-.8160
.760			-.3790				
.775				-.8450	-.8340		
.800			-.3420				
.834	-.1980						
.850				-.5380	-.8770	-.8290	
.867			-.3380				
.885	-.0080						
.900	.1290			-.4820			-.7880
.905			-.3980				
.950				-.3230	-.7480	-.8880	
.953			-.4420				
.985	-.9950						

MACH (2) = .907 BETA (4) = 4.280

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.020	-1.2200	-.8840	-1.0580	-1.1100	-.9950	-.9190	-.9850
.050				-.9380	-.9070	-.8830	-.8880
.081			-.7920				
.108		-.7120					
.134	-1.3570						
.150				-.9490	-.9010	-.8760	-.8850
.177			-.6580				
.229	-.9960						
.248		-.7580					
.250				-.9290	-.9080	-.9100	-.9310
.302	-.7320						
.400				-.8020	-.8980		-.8420
.402			-.8580				
.497	-.9160						
.550				-.8820	-.8880		
.568			-.7830				
.600							-.8090
.650						-.8450	
.700	-.3030				-.8140		
.725				-.2270			
.750						-.8100	-.7740
.760			-.3700				
.775				-.5840	-.8080		

AMES 11-7FT OA12 OEA UPPER WING (RBPU32)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2730				
.834	-.1430						
.850				-.5160	-.7910	-.7950	
.857			-.2090				
.865	.0840						
.900	.1050			-.4790			-.7450
.905			-.2550				
.950				-.4760	-.6420	-.7860	
.953			-.3440				
.965	-.0920						

MACH (2) = .901 BETA (5) = 8.380

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3280	-1.0020	-1.0300	-1.1730	-1.0000	-1.0030	-.9290
.050				-1.1560	-.9860	-.9050	-.9260
.081			-.8300				
.086		-.7470					
.094	-1.2420						
.150				-1.1920	-1.0400	-.9550	-.9050
.177			-.8710				
.229	-.8560						
.246		-.7520					
.250				-1.0110	-.9910	-.9680	-.9190
.362	-.5980						
.400				-.9290	-.9610		-.9180
.402			-.9780				
.497	-.8630						
.550				-.6540	-.9360		
.565			-.6720				
.600							-.8770
.650						-.8730	
.700	-.5380				-.8270		
.725				-.2440			
.750						-.8490	-.8230
.760			-.3960				
.775				-.4690	-.7300		
.808			-.3180				
.834	-.1710						
.850				-.5170	-.7440	-.7620	
.857			-.3030				
.865	-.0470						
.900	.0170			-.5300			-.7540
.905			-.2790				
.950				-.5610	-.6240	-.7550	
.953			-.2940				

AMES 11-707 CA12 C2A UPPER WING (RBPU32)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .941 BETA (5) = 0.380

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.0140						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU33) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1990	-.4370	.0630	.2000	.2630	.2010	.2220
.050				.2150	.1990	.1270	.1480
.081			.1620				
.086		.1130					
.094	.1080						
.150				-.0870	-.1490	-.2010	-.2260
.177			-.0110				
.229	.0850						
.248		.0750					
.250				-.2180	-.2800	-.2900	-.2870
.362	.0480						
.400				-.2590	-.3210		-.3610
.442			-.1840				
.497	-.0300						
.550				-.1750	-.2310		
.565			-.1250				
.640							-.2130
.650						-.1480	
.700	-.0680				-.0910		
.725				-.1610			
.750						-.0140	-.0270
.760			.0240				
.775				.0330	.0120		
.808			.0340				
.834	.0510						
.850				.0780	.0770	.0920	
.857			.0580				
.865	.0230						
.900	.0560			.0890			.1010
.905			.0650				
.950				.0990	.1020	.1220	
.953			.0620				
.965	.0220						

MACH (1) = .999 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1120	-.2830	.0980	.2020	.1960	.1500	.1610
.050				.1540	.1350	.0910	.0810
.081			.1280				
.086		.0690					
.094	.0750						

AMES 11-7UT OA12 OBA UPPER WING (RBPU93)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.1110	-.1740	-.2280	-.2350
.177			-.0410				
.229	.0580						
.246		.0490					
.250				-.2440	-.2800	-.3040	-.3080
.362	.0180						
.400				-.2990	-.3440		-.3900
.402			-.2420				
.497	-.0050						
.550				-.2210	-.2540		
.565			-.1090				
.600							-.2190
.650						-.1620	
.700	-.1370				-.1170		
.725				-.1440			
.750						-.1080	-.1270
.760			-.0250				
.775				.0080	-.0060		
.800			-.0080				
.834	-.0010						
.850				.0580	.0590	.0830	
.857			.0350				
.885	-.0240						
.900	.0140			.0770			.1040
.905			.0410				
.950				.0940	.1020	.1240	
.953			.0460				
.985	-.0020						

MACH (1) = .999 BETA (3) = 5.280

Y/BW	. .299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.0550	-.1470	.1470	.2080	.1730	.1290	.1330
.850				.1080	.0720	.0300	.0080
.101			.0850				
.106		.0420					
.194	.0580						
.150				-.1380	-.2090	-.2510	-.2750
.177			-.0650				
.229	.0410						
.248		.0230					
.250				-.2670	-.3060	-.3090	-.3160
.362	.0090						
.400				-.3290	-.3700		-.3810
.402			-.2820				
.497	-.0070						

AMES 11-707 OA12 02A UPPER WING (RBPU33)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.280

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.2560	-.2760		
.555			-.2390				
.600							-.2180
.650						-.1730	
.700	-.1990				-.1330		
.725				-.1470			
.750						-.0380	-.0230
.760			-.0610				
.775				-.0240	-.0240		
.808			-.0430				
.834	-.0400						
.850				.0390	.0510	.0790	
.857			.0110				
.865	-.0540						
.900	-.0210			.0630			.1100
.905			.0250				
.950				.0840	.1050	.1240	
.953			.0390				
.965	-.0170						

MACH (2) = .000 BETA (1) = -4.990

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1320	-.3640	.2310	.4650	.4560	.4090	.3600
.050				.2620	.2310	.1700	.1480
.081			.2210				
.086		.1440					
.094	.1420						
.150				-.0430	-.1240	-.2330	-.2930
.177			.0340				
.229	.1140						
.246		.1400					
.250				-.2170	-.3120	-.2960	-.4370
.362	.1020						
.400				-.2740	-.4290		-.5750
.402			-.2040				
.497	.0170						
.550				-.2860	-.4170		
.565			-.1900				
.600							-.2920
.650						-.1180	
.700	-.1010				-.0650		
.725				-.1730			
.750						.0360	.0300
.760			.0310				
.775				.0620	.0550		

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AMES 11-707 OA12 OEA UPPER WING (RBPU33)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (1) = -4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0460				
.834	.0440						
.830				.1190	.1290	.1390	
.857			.1000				
.865	.0380						
.900	.0820			.1300			.1360
.906			.0970				
.950				.1250	.1460	.1500	
.953			.0790				
.965	.0360						

MACH (2) = .899 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0800	-.2320	.2270	.3030	.3490	.3000	.2290
.080				.2130	.1780	.1140	.0600
.081			.1870				
.086		.1010					
.094	.1070						
.150				-.0570	-.1430	-.2560	-.3190
.177			.0250				
.229	.0980						
.246		.1080					
.250				-.2300	-.3200	-.2990	-.4530
.362	.0770						
.400				-.3450	-.4280		-.5960
.402			-.2490				
.497	-.0030						
.550				-.3830	-.5290		
.565			-.3040				
.600							-.7360
.650						-.3110	
.700	-.2130				-.1680		
.725				-.1570			
.750						-.0300	-.0320
.760			-.0880				
.775				.0020	.0110		
.808			-.0150				
.834	-.0800						
.850				.0870	.0980	.0980	
.857			.0390				
.865	-.0420						
.900	.0210			.0980			.1270
.905			.0510				
.950				.0840	.1270	.1390	
.953			.0330				

AMES 11-7U7 OA12 02A UPPER WING (RBPU03)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0010						

MACH (2) = .900 BETA (3) = 5.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0220	-.0990	.2340	.3310	.2530	.1830	.1320
.050				.1720	.1360	.0670	.0340
.081			.1640				
.086		.0830					
.094	.0940						
.150				-.0640	-.1470	-.2570	-.3300
.177			.0290				
.229	.0740						
.245		.0950					
.250				-.2220	-.3130	-.3090	-.4510
.362	.0660						
.400				-.3600	-.4230		-.6170
.402			-.2520				
.497	.0000						
.550				-.4160	-.5420		
.565			-.3360				
.600							-.7680
.650						-.6930	
.700	-.2800				-.6710		
.725				-.1540			
.750						-.1300	-.1320
.780			-.2900				
.775				-.0660	-.1440		
.808			-.1120				
.834	-.3280						
.850				.0190	.0140	.0130	
.857			-.0190				
.965	-.1470						
.900	-.0670			.0580			.0270
.903			.0080				
.950				.0810	.1020	.1130	
.953			.0160				
.965	-.0110						

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AMES 11-707 OA12 OEA UPPER WING (RBPU54) (01 MAY 73)

REFERENCE DATA

SREF = 2.42*0 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) = -7.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	.0080	-.0240	.3630	.5980	.6010	.5980	.5680
.050				-.0850	-.1150	-.2090	-.1960
.081			-.1070				
.086		.0830					
.094	.0830						
.150				-.3000	-.3920	-.4820	-.5190
.177			-.2140				
.229	.0570						
.246		-.0860					
.250				-.3670	-.4360	-.4790	-.4670
.302	-.0430						
.400				-.3080	-.3880		-.4580
.402			-.2550				
.497	-.1110						
.550				-.1780	-.2310		
.585			-.1170				
.600							-.2170
.650						-.1480	
.700	-.0810				-.0840		
.725				-.1570			
.750						-.0680	-.0920
.780			.0480				
.775				.0690	.0930		
.846			.0840				
.834	.0800						
.850				.1110	.1080	.1040	
.857			.0880				
.865	.0580						
.900	.0840			.1180			.1070
.905			.0880				
.950				.1200	.1280	.1390	
.953			.0600				
.965	.0580						

MACH (1) = .900 BETA (2) = -3.950

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.040	-.0030	.0070	.3370	.5500	.5320	.5310	.4770
.050				-.1390	-.1720	-.2550	-.2560
.081			-.1300				
.086		.0580					
.094	.0900						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU34)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.950

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3260	-.4240	-.5150	-.5420
.177			-.2310				
.229	.0090						
.246		-.0900					
.250				-.3990	-.4860	-.4970	-.4890
.362	-.0630						
.400				-.3530	-.4350		-.4650
.402			-.2890				
.497	-.1490						
.550				-.2240	-.2790		
.565			-.1740				
.600							-.2420
.650						-.1700	
.700	-.1140				-.1030		
.725				-.1470			
.750						-.0210	-.0330
.780			.1070				
.775				.0330	.0120		
.808			.0250				
.834	.0300						
.850				.0620	.0830	.0920	
.857			.0610				
.868	.0180						
.900	.0470			.0980			.1100
.905			.0740				
.950				.1100	.1200	.1330	
.953			.0750				
.965	.0340						

MACH (1) = .599 BETA (3) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.0380	.0020	.2990	.4950	.4840	.4600	.3830
.050				-.1820	-.2170	-.3080	-.3120
.081			-.1720				
.086		.0230					
.094	.0280						
.150				-.3480	-.4550	-.5360	-.5450
.177			-.2390				
.229	-.0150						
.246		-.1080					
.250				-.4190	-.4840	-.5090	-.4960
.362	-.0990						
.400				-.4030	-.4510		-.4670
.402			-.3230				
.497	-.1670						

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

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AMES 11-FT OA12 OEA UPPER WING (RBPU54)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (3) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.550				-.2600	-.2990		
.585			-.2270				
.600							-.2480
.650						-.1810	
.700	-.1730				-.1270		
.725				-.1350			
.750						-.0300	-.0310
.760			-.0300				
.775				.0020	-.0080		
.808			-.0090				
.834	-.0190						
.850				.0800	.0670	.0680	
.857			.0390				
.886	-.0850						
.900	.0120			.0830			.1080
.905			.0500				
.950				.1020	.1150	.1330	
.963			.0840				
.986	.0130						

MACH (1) = .900 BETA (4) = 4.800

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.0880	-.0800	.2580	.4340	.3640	.3600	.2980
.050				-.2310	-.2700	-.3570	-.3980
.081			-.2090				
.086		.0010					
.084	.0040						
.150				-.3830	-.4640	-.5410	-.5580
.177			-.2220				
.229	-.0230						
.248		-.1170					
.250				-.4310	-.4870	-.5090	-.4980
.382	-.1080						
.400				-.4210	-.4670		-.4750
.402			-.3580				
.407	-.1890						
.450				-.2900	-.3220		
.585			-.2080				
.600							-.2470
.650						-.1900	
.700	-.2180				-.1400		
.725				-.1410			
.750						-.0370	-.0510
.760			-.0990				
.775				-.0170	-.0200		

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

AMES 11-7ft OA12 OPA UPPER WING (RBPU34)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.200

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.0340				
.834	-.0560						
.850				.0440	.0810	.0830	
.857			.0110				
.865	-.0380						
.900	-.0170			.0680			.1100
.905			.0320				
.950				.0910	.1120	.1310	
.953			.0500				
.965	-.0100						

MACH (1) = .599 BETA (5) = 8.310

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.1690	-.0870	.1840	.3510	.2910	.2850	.1580
.050				-.2810	-.3130	-.4090	-.4340
.081			-.2150				
.086		-.0110					
.094	-.0070						
.150				-.3650	-.4850	-.5570	-.5440
.177			-.2640				
.229	-.0270						
.246		-.1180					
.250				-.4430	-.5050	-.5120	-.4890
.362	-.1060						
.400				-.4400	-.4810		-.4750
.402			-.3840				
.497	-.2020						
.550				-.3170	-.3360		
.565			-.3020				
.600							-.2370
.650						-.1940	
.700	-.2570				-.1550		
.725				-.1550			
.750						-.0370	-.0280
.760			-.0910				
.775				-.0370	-.0310		
.808			-.0580				
.834	-.0680						
.850				.0280	.0490	.0830	
.857			-.0100				
.865	-.0770						
.900	-.0360			.0590			.1100
.905			.0140				
.950				.0820	.1130	.1330	
.953			.0360				

AMES 11-707 OA12 OBA UPPER WING (RBPU54)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (5) = 0.310

Y/BW	.258	.384	.427	.534	.673	.780	.887
X/CW							
.965	-.0130						

MACH (2) = .899 BETA (1) = -0.100

Y/BW	.259	.384	.427	.534	.673	.780	.887
X/CW							
.000	.0240	-.0040	.4390	.6850	.6620	.6500	.6030
.080				-.0160	-.0180	-.0940	-.0910
.081			-.0340				
.086		.1260					
.094	.1180						
.150				-.2910	-.3910	-.5080	-.5930
.177			-.1740				
.229	.0720						
.246		.0660					
.250				-.4580	-.5850	-.6220	-.7430
.362	.0060						
.400				-.4420	-.5840		-.7630
.402			-.2980				
.497	-.1160						
.550				-.2880	-.4980		
.586			-.1790				
.600							-.3050
.650						-.0780	
.700	-.1010				-.0080		
.725				-.1840			
.750						.0890	.0910
.780			.0700				
.775				.1050	.1010		
.808			.0970				
.834	.0860						
.850				.1510	.1580	.1700	
.857			.1330				
.865	.0880						
.900	.1220			.1510			.1630
.905			.1330				
.950				.1280	.1400	.1510	
.953			.1100				
.966	.0980						

MACH (3) = .889 BETA (2) = -4.010

Y/BW	.259	.384	.427	.534	.673	.780	.887
X/CW							
.100	.0120	.0880	.4040	.6230	.5860	.5760	.5160
.080				-.0650	-.0750	-.1580	-.1880
.081			-.0880				
.086		.0820					
.094	.0830						

AMES 11-707 OA12 OEA UPPER WING (RBPU34)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (2) = -4.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.3020	-.4180	-.5380	-.6340
.177			-.1800				
.229	.0450						
.246		-.0250					
.250				-.4670	-.5870	-.6270	-.7820
.362	-.0280						
.400				-.4520	-.5890		-.7720
.402			-.3240				
.497	-.1380						
.550				-.3410	-.5560		
.565			-.3010				
.600							-.3360
.650						-.1470	
.700	-.2080				-.0180		
.725				-.1600			
.750						.0690	.0460
.760			.0070				
.775				.0650	.0830		
.808			.0460				
.834	.0080						
.850				.1210	.1410	.1770	
.857			.0980				
.865	.0310						
.900	.0800			.1300			.1670
.905			.1100				
.950				.1210	.1300	.1570	
.955			.0950				
.965	.0840						

MACH (2) = .898 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0270	.0230	.3620	.5570	.5060	.4950	.4190
.050				-.1150	-.1220	-.2090	-.2420
.081			-.1050				
.086		.0520					
.094	.0550						
.150				-.3030	-.4130	-.5600	-.6630
.177			-.1830				
.229	.0170						
.246		-.0450					
.250				-.4390	-.5710	-.6180	-.7270
.362	-.0460						
.400				-.4450	-.5660		-.7590
.402			-.3670				
.497	-.1460						

AMES 11-7ft OA12 OEA UPPER WING (RBPUS4)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (3) = .000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.4460	-.6060		
.565			-.3840				
.600							-.6610
.650						-.5000	
.700	-.2910				-.2480		
.725				-.1610			
.750						-.1160	-.1660
.760			-.1080				
.775				-.0030	.0010		
.809			-.0280				
.834	-.1800						
.850				.0660	.1080	.0840	
.857			.0440				
.865	-.0340						
.900	.0010			.0940			.0950
.905			.0630				
.950				.0980	.1190	.1390	
.953			.0800				
.965	.0200						

MACH (2) = .800 BETA (4) = 4.250

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0910	.0040	.3080	.4900	.4310	.4180	.3250
.030				-.1420	-.1570	-.2500	-.2970
.081			-.1250				
.086		.0350					
.094	.0430						
.150				-.2890	-.4200	-.5740	-.6890
.177			-.1730				
.229	.0190						
.246		-.0500					
.250				-.4280	-.5350	-.5820	-.7300
.362	-.0450						
.400				-.4530	-.5810		-.7290
.402			-.3680				
.497	-.1290						
.550				-.4860	-.6240		
.565			-.4230				
.600							-.8380
.650						-.6010	
.700	-.3300				-.4770		
.725				-.1500			
.750						-.2120	-.2020
.760			-.3920				
.775				-.1220	-.1160		

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AMES 11-7U7 OA12 OEA UPPER WING (RBPU34)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.1530				
.834	-.3250						
.850				-.0020	.0210	-.0620	
.857			-.0060				
.865	-.1550						
.900	-.0680			.0540			-.0460
.905			.0340				
.950				.0720	.1110	.0860	
.953			.0490				
.965	.0000						

MACH (2) = .901 BETA (5) = 8.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.1410	-.0180	.2160	.4130	.3440	.3330	.2210
.050				-.1670	-.1890	-.2930	-.3500
.081			-.1160				
.086		.0210					
.094	.0150						
.150				-.2810	-.4080	-.5040	-.6400
.177			-.1690				
.229	.0150						
.246		-.0450					
.250				-.4140	-.4910	-.5380	-.6790
.362	-.0340						
.400				-.4500	-.5590		-.7190
.402			-.3570				
.497	-.1240						
.550				-.4980	-.6210		
.565			-.4350				
.600							-.8430
.650						-.7580	
.700	-.3500				-.7320		
.725				-.1740			
.750						-.2590	-.2390
.760			-.5090				
.775				-.3100	-.2810		
.808			-.3770				
.834	-.4670						
.850				-.0990	-.1060	-.1210	
.857			-.1380				
.865	-.3530						
.900	-.2010			-.0150			-.1110
.905			-.0520				
.950				.0390	.0300	.0150	
.953			.0090				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU34)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (5) = 8.430

Y/BW	.299	.364	.427	.534	.673	.781	.887
X/CW							
.965	-.0480						

AMES 11-7U7 OA12 OBA UPPER WING (RBPU35) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0550	-.0120	.2730	.4700	.3410	.3010	-.0800
.050				-.6780	-.7650	-.9520	-.9560
.081			-.6280				
.086		-.0500					
.094	.0080						
.150				-.6490	-.8160	-.9590	-1.0170
.177			-.4960				
.229	-.0600						
.246		-.3130					
.250				-.5890	-.6950	-.7420	-.7760
.362	-.2150						
.400				-.4170	-.5430		-.6660
.402			-.3300				
.497	-.2480						
.550				-.2110	-.2960		
.565			-.1540				
.600							-.3330
.650						-.1850	
.700	-.0980				-.0800		
.725				-.1690			
.750						-.0280	-.0950
.760			.0220				
.775				.0650	.0280		
.808			.0460				
.834	.0790						
.850				.1050	.0950	.0780	
.857			.0770				
.865	.0830						
.900	.0990			.1200			.0900
.905			.0880				
.950				.1320	.1250	.1240	
.953			.0940				
.965	.0750						

MACH (1) = .599 BETA (2) = -3.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.2080	-.1610	.1370	.3240	.1880	.1340	-.2940
.050				-.7220	-.8130	-1.0210	-1.0230
.081			-.6520				
.086		-.0920					
.094	-.0350						

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AMES 11-FT OA12 OA UPPER WING (RBPU35)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.6450	-.8140	-.9730	-1.0240
.177			-.5140				
.229	-.0950						
.246		-.3330					
.250				-.6180	-.7120	-.7570	-.7350
.362	-.2520						
.400				-.4560	-.5580		-.6490
.402			-.3760				
.497	-.2890						
.550				-.2510	-.3240		
.565			-.2100				
.600							-.3330
.650						-.2000	
.700	-.1580				-.1070		
.725				-.1570			
.750						-.0430	-.1040
.780			-.0160				
.775				.0320	.0020		
.800			.0130				
.834	.0330						
.850				.0790	.0755	.0700	
.857			.0500				
.865	.0210						
.900	.0650			.0990			.0520
.905			.0700				
.950				.1160	.1230	.1180	
.953			.0860				
.965	.0500						

MACH (1) = .900 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3700	-.3180	.0100	.1640	.0119	-.0590	-.5350
.050				-.7700	-.8790	-1.0660	-1.0870
.081			-.6780				
.086		-.1200					
.094	-.0740						
.150				-.6660	-.8210	-.9720	-.9750
.177			-.5210				
.229	-.1080						
.246		-.3420					
.250				-.6390	-.7320	-.7740	-.7510
.362	-.2650						
.400				-.4940	-.5750		-.6550
.402			-.4210				
.497	-.3200						

AMES 11-7U7 OA12 OEA 'PPER WING (RBPU33)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .399 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.2930	-.3500		
.565			-.2650				
.640							-.3380
.650						-.2140	
.700	-.2200				-.1280		
.725				-.1440			
.750						-.0590	-.1080
.760			-.0670				
.775				-.0410	-.0170		
.808			-.0330				
.834	-.0170						
.850				.0440	.0540	.0510	
.857			.0120				
.865	-.0190						
.900	.0280			.0720			.0500
.905			.0400				
.950				.0950	.1070	.1060	
.953			.0670				
.965	.0290						

MACH (1) = .399 BETA (4) = 4.170

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.040	-.3640	-.2980	-.1570	-.0140	-.1640	-.2690	-.7770
.050				-.7940	-.9040	-1.1310	-1.0920
.081			-.6650				
.086		-.1500					
.094	-.2470						
.150				-.6810	-.8400	-.9720	-.9800
.177			-.4930				
.229	-.1120						
.248		-.3450					
.250				-.6450	-.7390	-.7740	-.7550
.362	-.2780						
.400				-.5690	-.5890		-.6390
.402			-.4770				
.497	-.3250						
.550				-.3200	-.3740		
.565			-.3160				
.640							-.3410
.650						-.2280	
.700	-.2700				-.1450		
.725				-.1540			
.750						-.0730	-.1230
.760			-.1080				
.775				-.0470	-.0420		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU35)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 4.170

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0840				
.834	-.0800						
.850				.0090	.0310	.0390	
.857			-.0390				
.865	-.0650						
.900	-.0250			.0410			.0330
.905			-.0120				
.950				.0600	.0920	.0990	
.953			.0140				
.965	-.0090						

MACH (1) = .800 BETA (5) = 8.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3650	-.2480	-.2780	-.1910	-.3750	-.5010	-1.1060
.050				-.8040	-.9230	-1.1350	-1.1140
.081			-.5110				
.086		-.2010					
.094	-.3410						
.150				-.6720	-.8330	-.9830	-.9650
.177			-.4890				
.229	-.2140						
.246		-.4250					
.250				-.6370	-.7430	-.7790	-.7420
.362	-.2630						
.400				-.5150	-.5870		-.6280
.402			-.5300				
.497	-.3410						
.550				-.3730	-.3780		
.565			-.4340				
.600							-.3340
.650						-.2280	
.700	-.3160				-.1550		
.725				-.1720			
.750						-.0790	-.1310
.760			-.1320				
.775				-.0680	-.0620		
.808			-.0900				
.834	-.1: 0						
.850				-.0090	.0070	.023?	
.857			-.0380				
.865	-.1070						
.900	-.0670			.0270			.0150
.905			-.0050				
.950				.0550	.0720	.0800	
.953			.0220				

AMES 11-7D7 OA12 OEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (5) = 8.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0300						

MACH (2) = .903 BETA (1) = -8.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0580	.0300	.3980	.6430	.5550	.5510	.3330
.050				-.6540	-.6410	-.6650	-.6710
.081			-.4380				
.086		.0170					
.094	.0450						
.150				-.6970	-.7530	-.8460	-.9450
.177			-.5310				
.229	-.0080						
.246		-.2080					
.250				-.7510	-.9310	-.9990	-1.0580
.362	-.1320						
.400				-.8500	-1.0030		-.9380
.402			-.6530				
.497	-.3210						
.550				-.2110	-.4780		
.585			-.2110				
.600							-.5980
.650						-.3710	
.700	-.1580				-.0850		
.725				-.1740			
.750						-.2420	-.5500
.760			.0540				
.775				.1000	.0370		
.808			.0940				
.834	.1020						
.850				.1480	.0960	-.1380	
.857			.1370				
.865	.1060						
.900	.1580			.1600			-.3790
.905			.1490				
.950				.1650	.1610	-.0370	
.953			.1480				
.965	.1290						

MACH (2) = .902 BETA (2) = -4.00

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2360	-.1310	.2760	.5150	.4200	.4080	.1520
.050				-.7280	-.7450	-.8580	-.8140
.081			-.4580				
.086		-.0320					
.094	-.0030						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU35)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9U2 BETA (2) = -4.U4U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.7280	-.7900	-.8970	-1.0120
.177			-.5330				
.229	-.0430						
.246		-.2280					
.250				-.7470	-.9270	-1.0230	-1.1030
.362	-.1680						
.400				-.8420	-.9880		-.6810
.402			-.6080				
.497	-.3700						
.550				-.4490	-.5360		
.565			-.3730				
.600							-.5990
.650						-.3590	
.700	-.3020				-.1870		
.725				-.1630			
.750						-.2420	-.5980
.760			-.0180				
.775				.0340	-.0510		
.808			.0380				
.834	.0080						
.850				.0080	.0030	-.1640	
.857			.0400				
.865	.0280						
.900	.1000			.1120			-.5110
.905			.0900				
.950				.1230	.0690	-.0670	
.953			.0940				
.965	.0920						

MACH (2) = .904 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3190	-.2450	.1590	.3950	.2890	.2620	-.0120
.050				-.7640	-.8940	-.9560	-.9450
.081			-.4690				
.086		-.0510					
.094	-.0960						
.150				-.6870	-.7640	-.9420	-1.0740
.177			-.5240				
.229	-.0640						
.246		-.2230					
.250				-.6930	-.8990	-1.0120	-1.0720
.362	-.1010						
.400				-.7150	-.8510		-.5930
.402			-.5320				
.497	-.3780						

AMES 11-7X7 OA12 OEA UPPER WING (RBPU35)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.5490	-.7000		
.565			-.4640				
.600							-.6130
.650						-.3630	
.700	-.3690				-.1800		
.725				-.1550			
.750						-.3310	-.5970
.760			-.1090				
.775				-.0370	-.1150		
.848			-.0450				
.834	-.1330						
.850				.0280	-.0550	-.2150	
.857			.0290				
.865	-.0380						
.900	.0380			.0670			-.5250
.905			.0730				
.950				.0680	.0270	-.0920	
.953			.0890				
.965	.0570						

MACH (2) = .902 BETA (4) = 4.220

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3030	-.2070	.0100	.2480	.1310	.1040	-.1970
.050				-.8210	-1.0060	-1.0430	-1.0590
.081			-.4750				
.086		-.0710					
.094	-.2580						
.150				-.6820	-.8970	-.9560	-1.1280
.177			-.4760				
.229	-.0460						
.246		-.2180					
.250				-.6240	-.8880	-.9670	-.7160
.362	-.1620						
.400				-.6370	-.8380		-.6070
.402			-.5110				
.497	-.3530						
.550				-.5840	-.7470		
.565			-.5080				
.600							-.6150
.650						-.4940	
.700	-.4070				-.2880		
.725				-.1580			
.750						-.4130	-.6070
.760			-.2970				
.775				-.1540	-.2020		

AMES 11-7U7 OA12 OEA UPPER WING (RBPUS5)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.220

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.848			-.1270				
.834	-.4380						
.850				-.0780	-.1350	-.3140	
.857			-.0540				
.865	-.1840						
.900	-.0700			-.0230			-.5460
.905			-.0190				
.950				.0230	-.0610	-.1900	
.953			.0140				
.965	.0480						

MACH (2) = .898 BETA (5) = 8.370

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3230	-.1620	-.0080	.0920	-.0320	-.0740	-.3850
.050				-.8690	-1.0740	-1.1240	-1.1780
.081			-.3500				
.086		-.1210					
.094	-.3610						
.150				-.8230	-.7580	-.8240	-.9690
.177			-.4400				
.229	-.0480						
.246		-.2080					
.250				-.8090	-.7980	-.9170	-.6780
.362	-.1370						
.400				-.5900	-.7910		-.6550
.402			-.4980				
.497	-.2990						
.500				-.5920	-.6990		
.565			-.5800				
.600							-.6400
.650						-.5470	
.700	-.4280				-.4150		
.725				-.1780			
.750						-.4470	-.5960
.760			-.6160				
.775				-.2080	-.2600		
.808			-.3010				
.834	-.3010						
.850				-.1070	-.1750	-.3480	
.857			-.1100				
.865	-.2520						
.900	-.1570			-.0390			-.4920
.905			-.0510				
.950				.0120	-.0580	-.2220	
.953			.0040				

AMES 11-7D7 OA12 O2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (5) = 0.370

X/CW	Y/BW .299	.364	.427	.534	.673	.780	.887
.965	-.0400						

AMES 11-707 OA12 OEA UPPER WING (RBPU36) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5370	-.7190	-.3670	-.2830	-.5140	-.6990	-1.2870
.050				-1.2810	-2.0340	-2.4540	-2.5640
.081			-1.3040				
.086		-.2660					
.094	-.1330						
.150				-.9820	-1.1950	-1.3430	-1.3470
.177			-.7540				
.229	-.2470						
.246		-.5780					
.250				-.7780	-.9200	-.9690	-1.0190
.362	-.4340						
.400				-.4630	-.6050		-.7860
.402			-.4220				
.497	-.4370						
.550				-.2410	-.3150		
.565			-.3290				
.600							-.4380
.650						-.2130	
.700	-.1740				-.1160		
.725				-.1890			
.750						-.0840	-.2100
.760			.0170				
.775				-.0110	-.0400		
.808			.0680				
.834	.0700						
.850				.0330	.0110	-.0150	
.857			.1220				
.865	.0530						
.900	.1040			.0490			-.0780
.905			.1340				
.950				.0820	.0670	.0350	
.953			.1370				
.965	.0800						

MACH (1) = .900 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4570	-.5540	-.5810	-.5180	-.7340	-.9250	-1.5270
.050				-1.3460	-1.8330	-2.2460	-1.9990
.081			-1.2340				
.086		-.3210					
.094	-.4380						

AMES 11-7D7 OA12 OEA UPPER WING (RDPU36)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9940	-1.2130	-1.3470	-1.4670
.177			-.7120				
.229	-.2640						
.246		-.5610					
.250				-.7970	-.9530	-1.0090	-1.0740
.362	-.5510						
.400				-.5080	-.6430		-.7850
.402			-.6190				
.497	-.5370						
.550				-.3230	-.3680		
.563			-.2670				
.600							-.4850
.650						-.2570	
.700	-.2450				-.1600		
.725				-.1840			
.750						-.1300	-.2780
.760			-.0250				
.775				-.0850	-.0690		
.808			.0380				
.834	-.0100						
.850				-.0370	-.0090	-.0370	
.857			.0560				
.865	-.0110						
.900	.0450			.0000			-.1230
.905			.0670				
.950				.0410	.0560	.0220	
.953			.0810				
.965	.0390						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5090	-.4770	-.7610	-.8010	-.9930	-1.2390	-1.8330
.050				-1.3490	-1.7120	-1.9120	-1.9780
.081			-.9150				
.086		-.3310					
.094	-.7320						
.150				-.9420	-1.2610	-1.4150	-1.8300
.177			-.7480				
.229	-.3700						
.246		-.6530					
.250				-.7580	-.9660	-1.0780	-1.5510
.362	-.5440						
.400				-.5570	-.6590		-1.0140
.402			-.5190				
.497	-.5450						

AMES 11-707 OA12 OA UPPER WING (RBPU06)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (3) = .080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.4110	-.3980		
.565			-.3830				
.600							-.5330
.650						-.2630	
.700	-.2830				-.1810		
.725				-.1680			
.750						-.1380	-.3210
.760			-.2220				
.775				-.0610	-.0940		
.808			-.1970				
.834	-.0810						
.850				.0080	-.0390	-.0410	
.857			-.1440				
.865	-.0490						
.900	.0080			.0480			-.1350
.905			-.0990				
.950				.0640	.0260	.0220	
.953			-.0500				
.965	.0220						

MACH (1) = .801 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5770	-.4340	-.7950	-.9020	-1.1750	-1.4440	-2.0610
.050				-1.2440	-1.6630	-1.8410	-2.0410
.081			-.8160				
.088		-.4140					
.094	-.7840						
.150				-.6960	-1.2480	-1.4330	-1.9400
.177			-.6980				
.229	-.3860						
.246		-.7060					
.250				-.7530	-.9640	-1.0500	-1.6280
.362	-.4910						
.400				-.6120	-.6710		-.8920
.402			-.5940				
.497	-.4900						
.550				-.4150	-.4180		
.565			-.5400				
.600							-.3770
.650						-.2830	
.700	-.3360				-.2070		
.725				-.1690			
.750						-.1580	-.2020
.760			-.2590				
.775				-.0830	-.1210		

AMES 11-7D7 OA12 O2A UPPER WING (RBPU3S)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (4) = 4.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.2080				
.834	-.1220						
.850				-.0200	-.0720	-.0590	
.857			-.1360				
.865	-.0960						
.900	-.0440			.0180			-.0820
.905			-.0800				
.950				.0520	.0000	.0050	
.953			-.0290				
.965	-.0120						

MACH (1) = .999 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6490	-.4270	-.8410	-1.2440	-1.4230	-1.7480	-2.2610
.050				-1.2230	-1.6540	-1.8160	-2.0940
.081			-.7870				
.086		-.4770					
.094	-.8220						
.150				-.8560	-1.2700	-1.4390	-2.0330
.177			-.6970				
.229	-.3760						
.246		-.6730					
.250				-.7730	-.9580	-1.0330	-1.6590
.362	-.4340						
.400				-.7100	-.6680		-.5800
.402			-.7280				
.497	-.4940						
.550				-.4450	-.4170		
.565			-.6000				
.600							-.3840
.650						-.3080	
.700	-.3840				-.2330		
.725				-.1880			
.750						-.1770	-.2510
.760			-.2710				
.775				-.1680	-.1460		
.808			-.2070				
.834	-.1650						
.850				-.1220	-.0980	-.0750	
.857			-.1320				
.865	-.1240						
.900	-.0720			-.0850			-.1050
.905			-.0730				
.950				-.0570	.0050	-.0100	
.953			-.0140				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 CEA UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.0210						

MACH (2) = .903 BETA (1) = -8.170

..AW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4000	-.4550	.0010	.3040	.2120	.1580	-.1700
.050				-1.1080	-1.2230	-1.2160	-.6590
.081			-.8580				
.086		-.1210					
.094	-.2290						
.150				-1.1990	-1.1460	-1.1620	-.6430
.177			-.8520				
.229	-.1880						
.246		-.3890					
.250				-1.1240	-.9130	-.8560	-.6240
.362	-.3650						
.400				-.8420	-.8510		-.6160
.402			-.8900				
.497	-.5680						
.550				-.5850	-.6440		
.565			-.3720				
.600							-.5980
.650						-.8420	
.700	-.1820				-.6200		
.725				-.2030			
.750						-.6290	-.5990
.760			-.1750				
.775				-.3560	-.3900		
.800			-.1230				
.834	-.0880						
.850				-.2850	-.5470	-.6000	
.857			-.0540				
.865	-.1070						
.900	-.0180			-.2110			-.5690
.905			-.0170				
.950				-.1480	-.4400	-.5530	
.955			.0080				
.965	.0120						

MACH (3) = .903 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4340	-.3820	-.1910	.1240	.0500	-.0190	-.3770
.050				-1.2870	-1.2920	-1.1420	-.6480
.081			-.6650				
.086		-.2200					
.094	-.4910						

AMES 11-7D7 OA12 02A UPPER WING (RBPU36,

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (2) = -4.050

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.150				-1.2250	-1.0550	-.9590	-.6240
.177			-.7360				
.229	-.2890						
.246		-.4570					
.250				-1.0190	-.8920	-.8600	-.6280
.362	-.3330						
.400				-.7580	-.7740		-.6280
.402			-.7570				
.497	-.6450						
.550				-.6090	-.6780		
.565			-.3940				
.600							-.6000
.650						-.6400	
.700	-.2920				-.6300		
.725				-.1870			
.750						-.6200	-.5940
.760			-.2700				
.775				-.3830	-.5950		
.808			-.2260				
.834	-.2190						
.850				-.3080	-.5700	-.5980	
.857			-.1530				
.865	-.1960						
.900	-.0810			-.2600			-.5750
.905			-.1320				
.950				-.1810	-.4940	-.5770	
.953			-.0860				
.965	-.0240						

MACH (2) = .899 BETA ([illegible] .080

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.100	-.4750	-.3320	-.3350	-.0550	-.1270	-.2180	-.5840
.150				-1.3500	-1.0240	-.9360	-.6750
.181			-.5410				
.186		-.2350					
.194	-.5650						
.150				-1.1110	-.9300	-.8590	-.6540
.177			-.7200				
.229	-.3480						
.246		-.4370					
.250				-.8400	-.8620	-.7580	-.6410
.362	-.3340						
.400				-.7300	-.7820		-.6350
.402			-.4770				
.497	-.6520						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OA UPPER WING (RBPUDS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.6260	-.7080		
.565			-.4620				-.6240
.600						-.6500	
.650					-.6360		
.700	-.3000			-.1840			
.725						-.6320	-.5940
.750							
.760			-.4540				
.775				-.4470	-.6190		
.808			-.5250				
.834	-.4190						
.850				-.3470	-.5940	-.6180	
.857			-.2950				
.865	-.4100						-.5810
.910	-.2820			-.2880			
.905			-.2570				
.950				-.2290	-.5120	-.9950	
.953			-.2130				
.965	-.0600						

MACH (2) = .897 BETA (4) = 4.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5520	-.3280	-.4300	-.2590	-.3120	-.4290	-.7330
.050				-1.3380	-.9010	-.8520	-.7020
.081			-.4970				
.106		-.2980					
.094	-.8070						
.150				-.9920	-.9350	-.7810	-.6750
.177			-.6890				
.229	-.3660						
.246		-.4270					
.250				-.8480	-.8330	-.7380	-.6820
.362	-.2950						
.400				-.7000	-.7710		-.6650
.402			-.4890				
.497	-.5800						
.550				-.6190	-.7200		
.565			-.5760				
.600							-.6610
.650						-.6780	
.700	-.4100				-.6780		
.725				-.1830			
.750						-.6580	-.6380
.760			-.5780				
.775				-.5060	-.6440		

AMES 11-7u7 OA12 O2A UPPER WING (RBPU38)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.5990				
.834	-.5270						
.850				-.3830	-.6170	-.6390	
.857			-.4130				
.865	-.4590						
.900	-.4050			-.3320			-.6190
.905			-.3040				
.950				-.2450	-.5230	-.6170	
.953			-.2340				
.965	-.1190						

MACH (2) = .902 BETA (5) = 8.330

Y/BW	.299	.364	.427	[illegible]	.673	.780	.887
X/CW							
.000	-.6180	-.5510	-.5400	-.4730	-.5160	-.6550	-.8660
.050				-1.3600	-1.0330	-.8080	-.7270
.081			-.5160				
.086		-.3430					
.094	-.6930						
.150				-.9480	-.9860	-.8240	-.7180
.177			-.6740				
.229	-.3710						
.246		-.3690					
.250				-.7980	-.8730	-.8180	-.7220
.362	-.2430						
.400				-.6470	-.8320		-.6990
.402			-.5820				
.497	-.5520						
.550				-.6230	-.7400		
.565			-.5960				
.600							-.6670
.650						-.6990	
.700	-.3990				-.6770		
.725				-.2040			
.750						-.68[illegible]	-.6550
.760			-.7020				
.775				-.5710	-.6410		
.808			-.6690				
.834	-.5380						
.850				-.3640	-.5940	-.6350	
.857			-.4610				
.865	-.5350						
.900	-.4350			-.2870			-.6360
.905			-.3200				
.950				-.2240	-.4480	-.6020	
.953			-.2220				

AMES 11-7U7 OA12 02A UPPER WING (RBPU36)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1660						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU37) (01 MAY 75)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 58.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.050

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.5550	-.8050	-1.1550	-1.1280	-1.1100	-1.1130	-1.1560
.050				-2.2210	-1.4740	-1.1300	-.8480
.081			-1.3080				
.086		-.6970					
.094	-.7800						
.150				-1.6770	-1.3740	-1.0970	-.8110
.177			-.9300				
.229	-.7640						
.248		-.9850					
.250				-1.1550	-1.1450	-.9740	-.7980
.382	-.8800						
.400				-.7840	-.9510		-.7760
.402			-.5610				
.497	-.8980						
.550				-.5750	-.7730		
.565			-.4270				
.600							-.6840
.650						-.7050	
.700	-.3900				-.6520		
.725				-.2340			
.750						-.6630	-.6360
.760			-.3310				
.775				-.3040	-.5550		
.808			-.3310				
.834	-.0930						
.850				-.2080	-.5040	-.5950	
.857			-.3020				
.865	-.0550						
.914	.0220			-.1590			-.6100
.905			-.3040				
.950				-.0920	-.3640	-.5350	
.953			-.2430				
.965	.0620						

MACH (1) = .598 BETA (2) = -3.990

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.7000	-.5980	-1.2550	-1.3560	-1.2020	-1.2640	-1.1220
.050				-2.1350	-1.3700	-.9170	-.7810
.081			-1.1540				
.086		-.6590					
.094	-.8130						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA UPPER WING (RBPU57)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.150				-1.6430	-1.2620	-.9760	-.7760
.177			-.8770				
.229	-.8540						
.246		-.9850					
.250				-1.1030	-1.0050	-.8970	-.7680
.362	-.9910						
.400				-.7780	-.9090		-.7320
.402			-.5950				
.497	-.8830						
.530				-.6320	-.8140		
.565			-.5080				
.600							-.6900
.650						-.7280	
.700	-.4270				-.7040		
.725				-.2110			
.750						-.6850	-.6520
.760			-.4700				
.775				-.3770	-.6350		
.808			-.4760				
.834	-.2030						
.850				-.3050	-.5660	-.6550	
.857			-.4250				
.865	-.1540						
.900	-.0760			-.2540			-.6310
.905			-.3840				
.950				-.1830	-.4070	-.5940	
.953			-.2670				
.965	.0150						

MACH (1) = .599 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.000	-.8100	-.6800	-1.3310	-1.6030	-1.4700	-1.2910	-1.1090
.050				-2.1050	-1.3320	-.9200	-.8060
.081			-1.1120				
.086		-.6790					
.094	-.9120						
.150				-1.5650	-1.2060	-.9300	-.8120
.177			-.8640				
.229	-.8990						
.246		-.9750					
.250				-.9520	-1.0450	-.8880	-.7840
.362	-.9500						
.400				-.7750	-.9210		-.7760
.402			-.8790				
.497	-.7720						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.6750	-.8440		
.565			-.6530				
.600							-.7370
.650						-.7710	
.700	-.4710				-.7430		
.725				-.2170			
.750						-.7230	-.7070
.760			-.5780				
.775				-.4280	-.8530		
.808			-.5300				
.834	-.2630						
.850				-.3480	-.5850	-.6770	
.857			-.4560				
.865	-.1980						
.900	-.1240			-.3050			-.6810
.905			-.3650				
.950				-.2210	-.3920	-.6090	
.953			-.2520				
.965	-.0250						

MACH (1) = .598 BETA (4) = 4.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.9270	-.6880	-1.4350	-1.9100	-1.6890	-1.3700	-.9780
.050				-2.4640	-1.4060	-1.0300	-.8540
.081			-1.0220				
.086		-.7780					
.094	-1.0300						
.150				-1.3180	-1.2600	-.9660	-.8410
.177			-.8900				
.229	-.9480						
.246		-.9820					
.250				-.9550	-1.1980	-.9660	-.8410
.362	-.8310						
.400				-.8110	-.9930		-.8200
.402			-.8170				
.497	-.7260						
.550				-.6500	-.8650		
.565			-.8100				
.600							-.7650
.650						-.7990	
.700	-.5000				-.7310		
.725				-.2180			
.750						-.7490	-.7210
.760			-.5970				
.775				-.4590	-.6250		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OBA UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (4) = 4.180

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
			-.5330				
.834	-.2800						
.880				-.4050	-.5120	-.6770	
.857			-.4220				
.885	-.1970						
.910	-.1220			-.3350			-.6880
.935			-.3190				
.950				-.2810	-.3290	-.5730	
.953			-.1910				
.965	-.0360						

MACH (1) = .907 BETA (5) = 0.250

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.140	-1.0170	-.6880	-1.4420	-2.1770	-1.7980	-1.6540	-.9590
.180				-2.6580	-1.9080	-1.2980	-.8920
.181			-1.0070				
.188		-.7180					
.184	-1.1080						
.150				-.7920	-1.3980	-1.1850	-.8710
.177			-.9170				
.229	-.9190						
.248		-.9080					
.250				-.9500	-1.3250	-1.0350	-.8630
.382	-.7480						
.400				-.7770	-1.0010		-.8070
.402			-.9540				
.497	-.7110						
.550				-.6450	-.7980		
.565			-.8680				
.600							-.7650
.650						-.7990	
.700	-.5150				-.6340		
.725				-.2370			
.750						-.7110	-.7160
.760			-.5410				
.775				-.4710	-.5300		
.808			-.4610				
.834	-.2800						
.850				-.4340	-.5900	-.6100	
.857			-.3620				
.865	-.1980						
.900	-.1520			-.3870			-.6800
.905			-.2680				
.950				-.3100	-.2810	-.4940	
.953			-.1620				

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT CA12 OEA UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.250

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0360						

MACH (2) = .899 BETA (1) = -8.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5490	-.4100	-.4130	-.0800	-.1130	-.2110	-.5580
.050				-1.1210	-1.0080	-.7310	-.6910
.081			-.6200				
.086		-.4910					
.094	-.4990						
.150				-1.0200	-.9050	-.7190	-.6830
.177			-.6540				
.229	-.5030						
.246		-.6160					
.250				-.9220	-.8750	-.7060	-.6750
.362	-.4690						
.400				-.8180	-.7420		-.6910
.402			-.7500				
.497	-.6060						
.550				-.7370	-.7160		
.565			-.6620				
.600							-.6740
.650						-.6930	
.700	-.4480				-.6960		
.725				-.2270			
.750						-.6830	-.6670
.760			-.5730				
.775				-.6580	-.6850		
.808			-.6840				
.834	-.4190						
.850				-.6270	-.6740	-.6830	
.857			-.5330				
.865	-.3770						
.900	-.2880			-.5720			-.6570
.905			-.4270				
.950				-.4730	-.6500	-.6760	
.953			-.4990				
.965	-.0630						

MACH (2) = .897 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7950	-.4510	-.5820	-.2680	-.2840	-.4040	-.7240
.050				-.8610	-.8360	-.7750	-.7520
.081			-.6810				
.086		-.4350					
.094	-.5700						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPU37)

AMES 11-7U7 OA1E OEA UPPER WING

DEPENDENT VARIABLE CP

SECTION (1)UPPER WING

MACH (2) = .887 BETA (2) = -4.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9000	-.8270	-.7660	-.7410
.177			-.7620				
.229	-.6480						
.246		-.6240					
.250				-.8300	-.7960	-.7590	-.7390
.362	-.6000						
.400				-.8000	-.7780		-.7480
.402			-.7670				
.497	-.8570						
.550				-.7820	-.7670		
.565			-.7590				
.600							-.7380
.650						-.7530	
.700	-.9070				-.7600		
.725				-.2220			
.750						-.7560	-.9340
.780			-.7590				
.775				-.7550	-.7510		
.808			-.8100				
.834	-.9250						
.850				-.8890	-.7280	-.7390	
.857			-.6060				
.865	-.8000						
.900	-.9280			-.8800			-.7380
.905			-.4920				
.950				-.5880	-.7100	-.7400	
.953			-.4560				
.985	-.1180						

MACH (2) = .800 BETA (3) = .070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8560	-.4830	-.7530	-.4860	-.5060	-.6110	-.8490
.050				-1.0350	-.8740	-.7920	-.7690
.061			-.6910				
.068		-.4910					
.094	-.9880						
.150				-.9560	-.8800	-.7930	-.7530
.177			-.8050				
.229	-.7180						
.246		-.8020					
.250				-.9170	-.8560	-.7850	-.7490
.362	-.9850						
.400				-.8710	-.8030		-.7510
.402			-.6780				
.497	-.7480						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7FT OA12 CEA UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (3) = .070

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.8070	-.7810		
.565			-.8000				
.600							-.7520
.650						-.7700	
.700	-.4080				-.7640		
.725				-.2160			
.750						-.7640	-.7480
.760			-.8200				
.775				-.7540	-.7640		
.808			-.8570				
.834	-.5820						
.850				-.6270	-.7480	-.7480	
.857			-.7080				
.885	-.5940						
.900	-.5080			-.5270			-.7340
.905			-.5250				
.950				-.4780	-.6870	-.7390	
.953			-.4080				
.985	-.1560						

MACH (2) = .902 BETA (4) = 4.200

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.0280	-.5400	-.7950	-.6890	-.7070	-.8120	-.9230
.050				-1.1930	-.9220	-.8350	-.7840
.081			-.6450				
.088		-.5130					
.094	-.6750						
.150				-1.1050	-.9100	-.8170	-.7950
.177			-.7780				
.229	-.7510						
.248		-.5750					
.250				-.9900	-.8910	-.8090	-.7900
.362	-.4980						
.400				-.8880	-.8480		-.8040
.402			-.6450				
.497	-.8980						
.550				-.7990	-.8170		
.565			-.7730				
.800							-.7820
.650						-.7780	
.700	-.4240				-.8010		
.725				-.2100			
.750						-.7790	-.7740
.760			-.8920				
.775				-.7870	-.7630		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 CEA UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.200

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.808			-.8890				
.834	-.6550						
.850				-.5420	-.7390	-.7870	
.857			-.7670				
.865	-.8880						
.900	-.5490			-.4540			-.7640
.905			-.5220				
.950				-.4230	-.6440	-.7470	
.953			-.3640				
.965	-.1810						

MACH (2) = .902 BETA (5) = 8.330

Y/BW	.299	.384	.427	.534	.675	.780	.887
X/CW							
.000	-1.1280	-.5080	-.7940	-.8680	-.8920	-.9070	-.9050
.050				-1.4000	-1.0220	-.8220	-.8140
.061			-.6280				
.086		-.5210					
.094	-.7370						
.150				-1.3250	-.9680	-.8390	-.8140
.177			-.7920				
.229	-.7040						
.248		-.5480					
.250				-.8070	-.8780	-.8280	-.8130
.362	-.4280						
.400				-.7950	-.8730		-.7880
.402			-.5670				
.497	-.6890						
.550				-.8010	-.8360		
.565			-.6260				
.600							-.7880
.650						-.7940	
.700	-.5250				-.8020		
.725				-.2270			
.750						-.7820	-.7890
.760			-.8690				
.775				-.8820	-.7810		
.808			-.9410				
.834	-.8210						
.850				-.5600	-.6940	-.7650	
.857			-.9070				
.865	-.8880						
.900	-.8030			-.4480			-.7600
.905			-.5480				
.950				-.4090	-.5740	-.7380	
.953			-.3280				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 02A UPPER WING (RBPU37)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (5) = 8.330

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.2390						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA UPPER WING (RDFU30) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)UPPER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8730	-.7770	-1.7920	-1.2090	-1.5180	-1.4370	-1.1090
.030				-1.6810	-1.2330	-1.0540	-.9760
.081			-1.3860				
.086		-.9680					
.094	-.9080						
.150				-1.4970	-1.2550	-1.0600	-.9710
.177			-1.2310				
.229	-1.1450						
.246		-1.2240					
.250				-1.3800	-1.1640	-1.0800	-.9710
.362	-1.4380						
.400				-1.1950	-1.1020		-.9630
.402			-1.0270				
.497	-1.2490						
.550				-1.0230	-1.0400		
.565			-.9480				
.600							-.9280
.650						-.9770	
.700	-.5830				-.9190		
.725				-.2740			
.750						-.9010	-.8740
.760			-.7670				
.775				-.8540	-.7990		
.800			-.6270				
.834	-.0870						
.850				-.8180	-.7320	-.8030	
.857			-.4600				
.885	.0080						
.900	.0430			-.5830			-.7880
.905			-.2920				
.950				-.9050	-.9380	-.8850	
.953			-.1970				
.985	-.0080						

MACH (1) = .599 BETA (2) = -3.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.0610	-.8850	-1.9720	-2.1800	-1.6330	-1.4720	-1.1010
.050				-1.8390	-1.2950	-1.1120	-1.0260
.081			-1.4410				
.086		-1.0090					
.094	-1.0240						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 OZA UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -3.960

Y/Bw	.299	.384	.427	.534	.673	.780	.887
X/Cw							
.150				-1.6290	-1.2870	-1.1170	-1.0220
.177			-1.2360				
.229	-1.3530						
.246		-1.2320					
.250				-1.4230	-1.2210	-1.1060	-1.0180
.362	-1.4050						
.400				-1.2310	-1.1560		-1.0120
.402			-1.0520				
.497	-1.2000						
.550				-1.0220	-1.0810		
.565			-1.0640				
.600							-.9720
.650						-1.0170	
.700	-.5960				-.9400		
.725				-.2620			
.750						-.9440	-.9250
.760			-.7850				
.775				-.6820	-.8240		
.800			-.6150				
.834	-.0670						
.850				-.6360	-.7430	-.8410	
.857			-.4400				
.865	-.0230						
.900	.0180			-.5860			-.8250
.905			-.2700				
.950				-.5150	-.5420	-.6770	
.953			-.1800				
.965	.0020						

MACH (1) = .887 BETA (3) = .080

Y/Bw	.299	.384	.427	.534	.673	.780	.887
X/Cw							
.000	-1.1940	-.9420	-2.0100	-2.3230	-1.5460	-1.3040	-1.1010
.050				-1.9920	-1.3540	-1.1890	-1.0630
.081			-1.2830				
.086		-1.0490					
.094	-1.1530						
.150				-1.7240	-1.3140	-1.1720	-1.0630
.177			-1.2510				
.229	-1.4700						
.246		-1.2030					
.250				-1.4000	-1.2800	-1.1520	-1.0580
.362	-1.2660						
.400				-1.2310	-1.2060		-1.0410
.402			-1.0830				
.497	-1.0870						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OBA UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-1.0420	-1.1010		
.565			-1.1590				
.600							-1.0070
.650						-1.0410	
.700	-.5870				-.9420		
.725				-.2540			
.750						-.9560	-.9470
.760			-.7410				
.775				-.7350	-.8180		
.808			-.5550				
.834	-.1580						
.850				-.6600	-.7450	-.8390	
.857			-.3660				
.865	-.0740						
.910	-.0350			-.5080			-.8350
.906			-.2000				
.950				-.5010	-.5260	-.6820	
.953			-.0890				
.985	.0150						

MACH (1) = .897 BETA (4) = 4.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.3170	-1.0170	-1.0840	-2.4820	-1.6430	-1.3520	-1.1920
.050				-2.2930	-1.5300	-1.2630	-1.1250
.081			-1.3350				
.086		-1.0830					
.094	-1.3330						
.150				-1.8310	-1.4710	-1.2570	-1.1170
.177			-1.1890				
.229	-1.5180						
.246		-1.3220					
.250				-1.3480	-1.4360	-1.2220	-1.0890
.382	-1.1715						
.400				-1.2140	-1.2780		-1.0660
.442			-1.2080				
.497	-.9930						
.550				-1.0430	-1.1150		
.565			-1.1840				
.600							-1.0280
.650						-1.0310	
.700	-.5970				-.8890		
.725				-.2490			
.750						-.9350	-.9470
.760			-.6930				
.775				-.8150	-.7770		

AMES 11-7U7 OA12 OEA UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (4) = 4.190

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.5180				
.834	-.2370						
.850				-.7250	-.7130	-.8320	
.857			-.3490				
.885	-.1020						
.900	-.0330			-.8040			-.8400
.905			-.1420				
.950				-.4700	-.5200	-.6790	
.953			-.0280				
.965	.0190						

MACH (1) = .598 BETA (5) = 8.250

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.4050	-1.0400	-1.9000	-2.7440	-1.8400	-1.4070	-1.1740
.050				-2.9870	-1.8280	-1.3370	-1.1450
.081			-1.3800				
.086		-1.0100					
.094	-1.5330						
.150				-1.8440	-1.5940	-1.2950	-1.1450
.177			-1.1780				
.229	-1.4830						
.246		-1.2370					
.250				-1.2850	-1.4700	-1.2770	-1.1100
.362	-1.0800						
.400				-1.2180	-1.2850		-1.0940
.402			-1.2910				
.497	-.9800						
.550				-1.1060	-1.1150		
.565			-1.1690				
.600							-1.0500
.650						-1.0280	
.700	-.6410				-.8770		
.725				-.2780			
.750						-.9220	-.9690
.760			-.6840				
.775				-.8820	-.8080		
.808			-.4910				
.834	-.2050						
.850				-.7320	-.7110	-.8430	
.857			-.3290				
.865	-.1120						
.900	-.0500			-.5780			-.8590
.905			-.1890				
.950				-.4450	-.5110	-.6640	
.953			-.0850				

AMES 11-7U7 OA12 O2A UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (5) = 0.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0740						

MACH (2) = .901 BETA (1) = -0.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7570	-.5840	-.8980	-.4980	-.5130	-.6190	-.9010
.050				-.8540	-.8580	-.8530	-.7480
.081			-.9190				
.086		-.6900					
.094	-.7190						
.150				-.8800	-.8620	-.8770	-.7450
.177			-.8610				
.229	-.5630						
.246		-.7390					
.250				-.8750	-.8700	-.9430	-.7530
.362	-.7450						
.400				-.8840	-.8740		-.7620
.402			-.8620				
.497	-1.0570						
.550				-.8600	-.8430		
.565			-.8610				
.600							-.7680
.650						-.7840	
.700	-.6850				-.8010		
.725				-.2710			
.750						-.7910	-.7830
.760			-.6770				
.775				-.7830	-.7820		
.808			-.6790				
.834	-.5630						
.850				-.7520	-.7830	-.7950	
.857			-.6500				
.865	-.3820						
.900	-.3200			-.6920			-.7540
.905			-.5450				
.950				-.6070	-.7850	-.7880	
.953			-.4900				
.985	-.2540						

MACH (3) = .800 BETA (2) = -3.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.9400	-.7300	-1.0850	-.7020	-.7100	-.8220	-1.0040
.050				-.9660	-.9220	-.9250	-.8180
.081			-.9080				
.086		-.6540					
.094	-.9630						

AMES 11-7ft OA12 OBA UPPER WING (RBPUS8)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = -3.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.9280	-.9260	-.9410	-.8150
.177			-.9420				
.229	-.8150						
.246		-.8120					
.250				-.9420	-.9310	-1.0090	-.8300
.362	-.8780						
.400				-.9520	-.9340		-.8360
.402			-.9410				
.497	-.9800						
.550				-.9230	-.9160		
.565			-.9450				
.600							-.8470
.650						-.8680	
.700	-.4900				-.8690		
.725				-.2620			
.750						-.8810	-.8360
.760			-.8240				
.775				-.8180	-.8480		
.808			-.7210				
.834	-.4320						
.850				-.7020	-.8510	-.8480	
.857			-.6870				
.865	-.3440						
.900	-.2890			-.6620			-.8300
.905			-.5500				
.950				-.5920	-.7780	-.8510	
.953			-.4850				
.965	-.2910						

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-1.1080	-.8350	-1.0970	-.8980	-.8930	-.9080	-1.0180
.050				-.9840	-.9280	-.9090	-.8480
.081			-.7880				
.086		-.8980					
.094	-1.0850						
.150				-.9580	-.9330	-.9250	-.8470
.177			-.8680				
.229	-1.0420						
.246		-.7720					
.250				-.9580	-.9320	-.9800	-.8570
.362	-.8110						
.400				-.9540	-.9380		-.8670
.402			-.9310				
.497	-.9500						

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OBA UPPER WING (RBPU38)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = .080

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.530				-.9400	-.9160		
.565			-.8780				
.600							-.8660
.650						-.8090	
.700	-.5220				-.8780		
.725				-.2800			
.750						-.8780	-.8640
.760			-.7180				
.775				-.8200	-.8800		
.808			-.5100				
.834	-.4050						
.850				-.8210	-.8720	-.8740	
.857			-.5310				
.865	-.3570						
.910	-.2930			-.6430			-.8510
.935			-.5530				
.950				-.4690	-.7840	-.8820	
.953			-.4080				
.965	-.2780						

MACH (2) = .800 BETA (4) = 4.220

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.2380	-.8150	-1.0710	-1.0430	-1.0830	-.9840	-1.0140
.050				-.9980	-.9440	-.9140	-.8680
.081			-.7860				
.096		-.7070					
.104	-1.0980						
.150				-1.0120	-.9450	-.9250	-.8710
.177			-.8150				
.229	-.9740						
.246		-.7530					
.250				-.9670	-.9480	-.9760	-.8700
.362	-.7250						
.400				-.9430	-.9510		-.8780
.402			-.8340				
.497	-.9010						
.550				-.9510	-.9240		
.565			-.8120				
.600							-.8860
.650						-.8910	
.700	-.5970				-.8980		
.725				-.2570			
.750						-.8830	-.8860
.760			-.7840				
.775				-.8980	-.882.		

AMES 11-707 OA12 OEA UPPER WING (RBPUSB)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.220

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.808			-.5820				
.834	-.4300						
.850				-.7440	-.8490	-.8710	
.857			-.4780				
.865	-.3340						
.900	-.2910			-.6380			-.8800
.905			-.4790				
.950				-.5080	-.7010	-.8350	
.953			-.4390				
.965	-.2680						

MACH (2) = .900 BETA (5) = 8.380

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-1.3320	-.9430	-1.0440	-1.1770	-1.0240	-.9070	-.9640
.050				-1.1870	-1.0000	-.9500	-.9480
.081			-.8210				
.086		-.7380					
.094	-1.1450						
.150				-1.2180	-1.0450	-.9280	-.8980
.177			-.9240				
.229	-.8520						
.248		-.7380					
.250				-1.0330	-.9530	-.9800	-.9070
.362	-.5970						
.400				-.9080	-.9580		-.8980
.402			-.9790				
.497	-.8550						
.550				-.9920	-.9570		
.565			-.7480				
.600							-.8950
.650						-.8830	
.700	-.6370				-.8630		
.725				-.2800			
.750						-.8950	-.8850
.760			-.7270				
.775				-.6210	-.8180		
.808			-.6450				
.834	-.3780						
.850				-.5840	-.7860	-.8390	
.857			-.5530				
.865	-.3620						
.900	-.2840			-.5680			-.8250
.905			-.4810				
.950				-.4750	-.5880	-.7550	
.953			-.3740				

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OEA UPPER WING (RBPU30)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (3) = 8.360

Y/BW	.299	.364	.427	.534	.643	.780	.887
X/CW							
.985	-.2080						

AMES 11-FT OA12 O2A UPPER WING (RBPU39) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0340 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (1) = -4.930

Y/BW	.298	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1520	-.2370	.3490	.5020	.5290	.4820	.4480
.050				.3780	.3580	.3170	.2950
.081			.3400				
.086		.0740					
.094	.0810						
.150				.1370	.0710	-.1200	-.0590
.177			.2040				
.229	.0320						
.246		.2250					
.250				-.0210	-.0800	-.0360	-.1730
.362	.0360						
.400				-.0580	-.1190		-.2840
.402			.0070				
.497	.1660						
.550				-.0710	-.2060		
.565			-.0310				
.600							-.4850
.650						-.3510	
.700	.0450				-.3020		
.725				-.1360			
.750						-.3270	-.4110
.760			-.0840				
.775				-.1750	-.2700		
.808			-.1480				
.834	-.0040						
.850				-.1400	-.2010	-.2430	
.857			-.1440				
.865	-.1080						
.900	-.1480			-.1190			-.0580
.905			-.1190				
.950				-.0840	-.0550	-.0210	
.953			-.0400				
.965	-.0580						

MACH (1) = 1.100 ALPHA (2) = -3.520

Y/BW	.298	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1540	-.1470	.3820	.6020	.5550	.5230	.4850
.050				.2990	.2940	.2580	.2480
.081			.2730				
.086		.0670					
.094	.0820						

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7G7 OA12 OEA UPPER WING (RSPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.110 ALPHA (2) = -3.520

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				.0720	.0170	-.0950	-.1240
.177			.1500				
.229	.0310						
.246		.1600					
.250				-.0630	-.1270	-.1340	-.2480
.362	.0080						
.400				-.1080	-.1690		-.3350
.402			-.0680				
.497	.1200						
.550				-.0930	-.2150		
.565			-.0430				
.600							-.4600
.650						-.3660	
.700	.0350				-.3120		
.725				-.1380			
.750						-.3340	-.3930
.760			-.0860				
.775				-.1820	-.2770		
.808			-.1520				
.834	-.0150						
.850				-.1300	-.2120	-.2320	
.857			-.1510				
.865	-.1850						
.900	-.1480			-.1330			-.3320
.905			-.1330				
.950				-.0810	-.0470	.0080	
.953			-.0720				
.985	-.0820						

MACH (1) = 1.100 ALPHA (3) = -1.480

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1830	-.0430	.4190	.6440	.5850	.4630	.3800
.050				.1560	.1450	.1180	.1280
.081			.1520				
.088		.0540					
.094	.0990						
.150				-.1170	-.1360	-.1980	-.2520
.177			.0770				
.229	.0110						
.246		.1330					
.250				-.1060	-.2690	-.2700	-.3600
.362	-.0190						
.400				-.1750	-.2920		-.415
.402			-.0870				
.497	.0370						

DATE 19 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OFA UPPER WING (RBPU39)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.[illegible] ALPHA (3) = -1.490

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.1140	-.2440		
.565			-.0520				
.600							-.4730
.650						-.3830	
.700	.0160				-.3310		
.725				-.1350			
.750						-.3300	-.3580
.760			-.1100				
.775				-.1940	-.2870		
.808			-.1700				
.834	-.0380						
.850				-.1630	-.2120	-.1890	
.857			-.1650				
.865	-.1860						
.900	-.1570			-.1490			-.0200
.905			-.1470				
.950				-.0860	-.0160	.0330	
.953			-.1140				
.965	-.1260						

MACH (1) = 1.089 ALPHA (4) = .540

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2610	-.0340	.4180	.6690	.6280	.6220	.5620
.050				-.0330	.0140	-.0480	-.0350
.081			.0460				
.086		.0220					
.094	.0000						
.150				-.1950	-.2580	-.3300	-.3980
.177			-.0720				
.229	-.0150						
.248		.0160					
.250				-.3020	-.3620	-.4410	-.5200
.362	-.0440						
.400				-.4130	-.4780		-.5690
.402			-.3010				
.497	-.0480						
.550				-.1360	-.2590		
.565			-.0970				
.600							-.6290
.650						-.3760	
.700	-.0310				-.3250		
.725				-.1430			
.750						-.3080	-.5230
.760			-.1280				
.775				-.2060	-.2830		

AMES 11-7D7 OA12 OEA UPPER WING (REPUSE)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (4) = .960

Y/BW / X/CW	.299	.384	.427	.534	.675	.780	.887
.818			-.1610				
.834	-.0650						
.850				-.1720	-.2140	-.1420	
.857			-.1710				
.865	-.1970						
.900	-.1700			-.1570			.1020
.905			-.1610				
.950				-.0870	.0110	.0580	
.953			-.1290				
.965	-.1480						

MACH (1) = 1.100 ALPHA (5) = 2.510

Y/BW / X/CW	.299	.384	.427	.534	.675	.780	.887
.440	-.3690	-.1390	.3850	.0820	.5870	.8030	.4730
.480				-.2910	-.1910	-.2410	-.2180
.481			-.1420				
.486		-.1830					
.494	-.0870						
.530				-.2720	-.3430	-.4110	-.4660
.577			-.1820				
.629	-.0470						
.646		-.1480					
.650				-.3750	-.4830	-.5440	-.6050
.682	-.0880						
.680				-.4780	-.5670		-.6580
.682			-.4070				
.687	-.0990						
.950				-.1770	-.8080		
.985			-.1480				
.600							-.7170
.650						-.0870	
.700	-.0910				-.3210		
.725				-.1480			
.750						-.5330	-.6760
.780			-.1360				
.775				-.1310	-.2880		
.808			-.1380				
.834	-.0850						
.850				-.1890	-.1950	-.1620	
.857			-.1860				
.885	-.2130						
.900	-.1890			-.1830			-.3100
.905			-.1790				
.950				-.1070	.1010	.0750	
.953			-.1380				

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A UPPER WING (RSPU99)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.1[illegible] ALPHA (5) = 2.51[illegible]

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1770						

MACH (1) = 1.[illegible] ALPHA (6) = 4.[illegible]

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5050	-.2850	.3370	.6110	.5310	.5360	.3460
.050				-.3460	-.3330	-.3790	-.4040
.081			-.1270				
.086		-.0590					
.094	-.1380						
.150				-.3820	-.4170	-.5080	-.5930
.177			-.2420				
.229	-.0640						
.248		-.0940					
.250				-.4410	-.5430	-.6120	-.6740
.362	-.0750						
.400				-.5220	-.6250		-.7130
.402			-.4540				
.497	-.1290						
.550				-.2940	-.6790		
.585			-.2010				
.600							-.8050
.650						-.7520	
.700	-.1510				-.3280		
.725				-.1520			
.750						-.6610	-.7630
.760			-.1760				
.775				-.2490	-.2720		
.808			-.2210				
.834	-.1010						
.850				-.2020	-.1910	-.2680	
.857			-.2000				
.865	-.2280						
.900	-.1980			-.1740			-.3990
.905			-.1930				
.950				-.0900	.0030	.0800	
.953			-.1570				
.965	-.2040						

MACH (1) = 1.100 ALPHA (7) = 6.[illegible]

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5120	-.3980	.1740	.4800	.4090	.3860	.1260
.050				-.5820	-.6330	-.6540	-.6640
.081			-.2160				
.086		-.1690					
.094	-.4320						

AMES 11-707 OA12 ORA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (7) = 6.630

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.150				-.5390	-.6480	-.7340	-.7790
.177			-.2960				
.229	-.0890						
.246		-.1100					
.250				-.5210	-.6970	-.7940	-.8390
.362	-.0500						
.400				-.5920	-.7180		-.8410
.402			-.5120				
.497	-.1780						
.550				-.5060	-.7480		
.565			-.3800				
.600							-.7480
.650						-.8010	
.700	-.2720				-.4810		
.725				-.1650			
.730						-.5920	-.7480
.760			-.2130				
.775				-.2970	-.3400		
.800			-.2050				
.834	-.1550						
.850				-.2330	-.3180	-.4280	
.857			-.2470				
.865	-.2300						
.900	-.2270			-.1840			-.7190
.905			-.2380				
.950				-.1670	-.1890	-.3030	
.953			-.2050				
.965	-.2300						

MACH (1) = 1.100 ALPHA (8) = 8.590

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.100	-.3300	-.4780	.1420	.3410	.2030	.2300	-.1970
.050				-.7590	-.7700	-.7850	-.8120
.101			-.2940				
.106		-.7700					
.104	-.6730						
.150				-.6710	-.7950	-.8470	-.8710
.177			-.3300				
.229	-.1730						
.248		-.1000					
.250				-.5700	-.8370	-.8980	-.8040
.362	.0130						
.400				-.6180	-.8450		-.7030
.402			-.3300				
.497	-.2190						

AMES 11-FT OA12 OEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (8) = 8.590

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.5580	-.7660		
.565			-.4290				
.600							-.6930
.650						-.6870	
.700	-.3530				-.5230		
.725				-.1650			
.750						-.6930	-.6870
.760			-.3040				
.775				-.2610	-.4650		
.808			-.3550				
.834	-.2260						
.850				-.1870	-.4200	-.6560	
.857			-.2910				
.865	-.3060						
.900	-.2800			-.1620			-.6850
.905			-.2040				
.950				-.1060	-.2830	-.5770	
.953			-.1760				
.963	-.1930						

MACH (1) = 1.090 ALPHA (9) = 9.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5540	-.5150	-.1100	.2310	.1890	.1280	-.1870
.050				-.8420	-.8480	-.8830	-.8890
.081			-.2770				
.086		-.3870					
.094	-.7620						
.150				-.7760	-.8730	-.9130	-.9300
.177			-.3860				
.229	-.3890						
.246		-.2000					
.250				-.5910	-.8890	-.8950	-.7260
.362	.0460						
.400				-.6340	-.8310		-.7140
.402			-.5660				
.497	-.2420						
.550				-.5820	-.7310		
.565			-.4720				
.600							-.7110
.650						-.7180	
.700	-.4000				-.5750		
.725				-.1720			
.750						-.7110	-.7030
.760			-.3450				
.775				-.2550	-.5100		

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 C2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (9) = 9.97D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.3440				
.834	-.2490						
.850				-.2470	-.5140	-.6860	
.857			-.2770				
.865	-.3480						
.900	-.3100			-.2580			-.7010
.905			-.2770				
.950				-.1950	-.4320	-.6300	
.953			-.2330				
.985	-.1640						

MACH (1) = 1.101 ALPHA (10) = 14.97D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6170	-.6140	-.9000	-.2250	-.1980	-.2840	-.5160
.050				-.9210	-.8470	-.8300	-.7990
.081			-.3400				
.086		-.6350					
.094	-.7130						
.150				-.9240	-.8380	-.8690	-.7970
.177			-.4680				
.229	-.8220						
.246		-.4390					
.250				-.9770	-.8140	-.8580	-.8030
.382	-.2840						
.400				-.7510	-.8280		-.7970
.402			-.8480				
.497	-.4690						
.550				-	-.8410		
.565			-.5390				
.800							-.7860
.870						-.8160	
.700	-.5310				-.7880		
.725				-.1970			
.750						-.8040	-.7710
.780			-.4680				
.775				-.6820	-.7430		
.800			-.5500				
.834	-.3340						
.850				-.6780	-.7430	-.7720	
.857			-.5640				
.865	-.2740						
.900	-.3010			-.6790			-.7840
.905			-.5770				
.950				-.5070	-.5620	-.7280	
.953			-.5700				

DATE 19 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 CEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.101 ALPHA (1U) = 14.97U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.3650						

MACH (2) = 1.247 ALPHA (1) = -4.44U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.UUU	-.1150	-.1600	.2450	.6050	.5780	.5570	.5250
.U50				.2870	.3020	.2680	.2690
.U81			.2220				
.U86		.1670					
.094	.0530						
.150				.U250	.U08U	-.U46U	-.U67U
.177			.0990				
.229	.0490						
.246		.0010					
.250				-.0700	-.1360	-.1330	-.1940
.362	.0120						
.400				-.2110	-.2330		-.2890
.442			-.1500				
.497	.U550						
.550				.U070	-.2770		
.565			.U350				
.600							-.4390
.650						-.2870	
.700	.0700				-.1210		
.725				-.1070			
.750						-.1480	-.3920
.780			-.U010				
.775				-.U400	-.1010		
.800			-.0310				
.834	.0700						
.850				-.0200	-.0790	-.0750	
.857			-.0150				
.865	-.U640						
.900	-.0320			-.0140			.U230
.905			-.0180				
.950				.0150	.0360	.0610	
.953			.0030				
.965	.0040						

MACH (2) = 1.248 ALPHA (2) = -3.47U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1080	-.0990	.2870	.6240	.5920	.5820	.5470
.050				.2200	.2510	.2270	.2310
.081			.1840				
.086		.0580					
.094	.0410						

AMES 11-707 OA12 OBA UPPER WING (RBPU99)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (2) = -3.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0210	-.0340	-.0830	-.1110
.177			.0550				
.229	.0290						
.246		-.0240					
.250				-.1300	-.1710	-.1800	-.2500
.362	.0000						
.400				-.2450	-.2570		-.3200
.402			-.1950				
.497	.0240						
.550				-.0450	-.3590		
.565			.0020				
.600							-.4730
.650						-.4450	
.700	.0410				-.1260		
.725				-.1080			
.750						-.2010	-.4500
.760			-.0150				
.775				-.0730	-.1050		
.808			-.0480				
.834	.0520						
.850				-.0570	-.0810	-.0770	
.857			-.0280				
.865	-.0790						
.900	-.0470			-.0250			-.0710
.905			-.0360				
.950				.0100	.0240	.0700	
.953			-.0140				
.965	-.0190						

MACH (2) = 1.247 ALPHA (3) = -1.470

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1070	-.0240	.3500	.6640	.6130	.6150	.5720
.050				.0720	.1400	.1280	.1520
.081			.1090				
.086		.0410					
.094	.0050						
.150				-.0980	-.1160	-.1550	-.1660
.177			-.0360				
.229	-.0010						
.246		-.0520					
.250				-.1900	-.2580	-.2680	-.3230
.362	-.0300						
.400				-.2870	-.3520		-.3920
.402			-.2550				
.497	-.0330						

AMES 11-7D7 OA12 O2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 ALPHA (3) = -1.47D

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.530				-.2710	-.4070		
.565			-.1000				
.600							-.5240
.650						-.4900	
.700	-.0270				-.2050		
.725				-.1080			
.750						-.4760	-.5020
.760			-.0350				
.775				-.0680	-.1300		
.808			-.0790				
.834	.0230						
.850				-.0640	-.0870	-.1340	
.857			-.0560				
.865	-.1050						
.900	-.0670			-.0460			-.2920
.905			-.0560				
.950				-.0210	.0060	.0470	
.953			-.0420				
.965	-.0800						

MACH (2) = 1.248 ALPHA (4) = .52D

Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW							
.100	-.1580	-.0440	.3560	.6780	.6120	.6310	.5780
.050				-.0670	-.0130	-.0060	.0460
.081			.0300				
.086		.0090					
.094	-.0480						
.150				-.1910	-.2000	-.2330	-.2540
.177			-.1320				
.229	-.0280						
.246		-.0960					
.250				-.2740	-.3250	-.3580	-.3930
.362	-.0620						
.400				-.3400	-.4200		-.4590
.402			-.3000				
.497	-.0710						
.550				-.3830	-.4740		
.565			-.2160				
.600							-.5620
.650						-.5630	
.700	-.1080				-.4650		
.725				-.1160			
.750						-.5410	-.5440
.760			-.0540				
.775				-.1050	-.2140		

AMES 12-707 OA12 CBA UPPER WING (REPUSS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.240 ALPHA (4) = .520

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.818			-.1050				
.834	-.0070						
.850				-.0960	-.1380	-.3680	
.857			-.0830				
.866	-.1230						
.900	-.0910			-.0800			-.4180
.905			-.0720				
.950				-.0450	-.0110	-.0120	
.953			-.0680				
.965	-.0910						

MACH (2) = 1.250 ALPHA (5) = 2.580

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.2570	-.1920	.3240	.0650	.3070	.6160	.5290
.480				-.1740	-.1480	-.1600	-.1160
.881			-.0700				
.886		-.0580					
.894	-.1080						
.190				-.2990	-.3010	-.3130	-.3400
.177			-.2420				
.229	-.0570						
.268		-.1420					
.250				-.3310	-.4120	-.4380	-.4580
.382	-.0880						
.480				-.4080	-.4910		-.5180
.402			-.3480				
.407	-.1190						
.350				-.4290	-.5360		
.365			-.3580				
.810							-.6140
.850						-.6150	
.710	-.1980				-.5430		
.725				-.1240			
.750						-.5890	-.5940
.760			-.0840				
.775				-.1280	-.4130		
.808			-.1310				
.834	-.0930						
.850				-.1250	-.1710	-.5250	
.857			-.1070				
.886	-.1480						
.914	-.2100			-.2180			-.4910
.908			-.0860				
.950				-.0850	-.0150	-.2260	
.955			-.0880				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.250 ALPHA (5) = 2.580

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1110						

MACH (2) = 1.248 ALPHA (6) = 4.570

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3760	-.3330	.2330	.6170	.5560	.5660	.4440
.050				-.3240	-.2950	-.3080	-.2560
.081			-.1980				
.086		-.0880					
.094	-.1530						
.150				-.4080	-.3930	-.4120	-.4460
.177			-.3270				
.229	-.0980						
.246		-.1800					
.250				-.4480	-.4950	-.5120	-.5420
.362	-.1130						
.400				-.4850	-.5710		-.5780
.402			-.3950				
.497	-.1520						
.550				-.4640	-.5800		
.565			-.3920				
.600							-.6020
.650						-.5920	
.700	-.2090				-.5920		
.725				-.1330			
.750						-.5680	-.5850
.760			-.1490				
.775				-.1730	-.5280		
.808			-.1780				
.834	-.0550						
.850				-.1480	-.2910	-.4740	
.857			-.1380				
.885	-.1650						
.900	-.1250			-.1280			-.4430
.905			-.1170				
.950				-.1080	-.0970	-.3550	
.953			-.0980				
.965	-.1420						

MACH (2) = 1.248 ALPHA (7) = 6.870

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3910	-.3490	.0530	.5280	.4880	.4880	.3090
.050				-.4710	-.4390	-.4340	-.4120
.081			-.2860				
.086		-.1980					
.094	-.2280						

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA UPPER WING (RBPU09)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (7) = 6.67U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.4830	-.5090	-.5350	-.5510
.177			-.3450				
.229	-.1490						
.248		-.2210					
.250				-.5160	-.5840	-.6050	-.6190
.362	-.1160						
.400				-.5090	-.6300		-.6150
.402			-.4320				
.497	-.1810						
.550				-.4980	-.6170		
.565			-.4550				
.610							-.6230
.650						-.6130	
.700	-.3620				-.5990		
.725				-.1530			
.750						-.5650	-.5220
.760			-.1960				
.775				-.2130	-.5450		
.800			-.2280				
.834	-.1010						
.850				-.1570	-.4710	-.5190	
.857			-.1920				
.865	-.1930						
.870	-.1570			-.1430			-.4880
.906			-.1770				
.950				-.1180	-.2960	-.4490	
.953			-.1680				
.965	-.1610						

MACH (2) = 1.248 ALPHA (8) = 8.68U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3980	-.3780	-.1670	.4190	.3940	.3880	.1670
.050				-.5820	-.5480	-.5480	-.5500
.081			-.3280				
.086		-.3440					
.094	-.4780						
.150				-.6090	-.6060	-.6230	-.6390
.177			-.3690				
.229	-.2490						
.248		-.2910					
.250				-.6000	-.6640	-.6790	-.6980
.362	-.1750						
.400				-.5060	-.6480		-.6590
.402			-.4570				
.497	-.2560						

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 C2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.249 ALPHA (8) = 8.660

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3020	-.6680		
.565			-.4760				
.600							-.6470
.650						-.6370	
.700	-.4190				-.6250		
.725				-.1680			
.750						-.5950	-.6160
.760			-.3090				
.775				-.2640	-.5890		
.808			-.3220				
.834	-.1420						
.850				-.2020	-.5440	-.5470	
.857			-.2770				
.865	-.2230						
.900	-.1980			-.1910			-.5940
.905			-.2660				
.950				-.1720	-.3920	-.4740	
.953			-.2400				
.965	-.1780						

MACH (2) = 1.248 ALPHA (9) = 10.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.3700	-.2950	.3110	.3150	.2950	.0540
.050				-.6540	-.6170	-.6200	-.6380
.081			-.3650				
.086		-.4110					
.094	-.5720						
.150				-.6340	-.6640	-.6830	-.6910
.177			-.3870				
.229	-.3610						
.248		-.3650					
.250				-.6480	-.7100	-.7210	-.7190
.362	-.2800						
.400				-.5470	-.6840		-.6510
.402			-.4720				
.497	-.3040						
.550				-.5210	-.6890		
.565			-.4960				
.600							-.6200
.650						-.6550	
.700	-.4580				-.5980		
.725				-.1740			
.750						-.6290	-.6190
.760			-.3710				
.775				-.3080	-.5740		

DATE 10 SEP 73 TABULATED PRESSURE DATA - CA12A

AMES 11-7U7 CA12 CBA UPPER WING (RDPUS9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (9) = 10.030

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.3830				
.834	-.1690						
.850				-.1700	-.5070	-.8070	
.857			-.3480				
.865	-.2380						
.900	-.2120			-.1630			-.6040
.905			-.3060				
.950				-.1580	-.4010	-.5430	
.953			-.2910				
.965	-.2110						

MACH (2) = 1.244 ALPHA (10) = 14.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.130	-.4730	-.4970	-.5720	-.6070	.6490	-.6830	-.2700
.150				-.7750	-.7520	-.7480	-.6840
.161			-.6130				
.186		-.5270					
.184	-.5740						
.150				-.7510	-.7300	-.7320	-.6890
.177			-.5740				
.229	-.6470						
.246		-.5980					
.250				-.7510	-.7160	-.7270	-.6850
.362	-.6230						
.400				-.7760	-.7050		-.6780
.402			-.5850				
.407	-.5380						
.530				-.7140	-.7040		
.565			-.6120				
.800							-.6690
.650						-.6810	
.700	-.5700				-.6650		
.725				-.2080			
.750						-.6840	-.6590
.760			-.4710				
.775				-.5770	-.6610		
.808			-.5000				
.834	-.3120						
.850				-.5450	-.6380	-.6310	
.857			-.4720				
.865	-.3150						
.900	-.2360			-.5270			-.6550
.905			-.5070				
.950				-.4140	-.4700	-.5770	
.953			-.4930				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.244 ALPHA (1U) = 14.98U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.1880						

MACH (3) = 1.398 ALPHA (1) = -4.42U

Y/BW	.299	.364	.427	.53%	.673	.780	.887
X/CW							
.1UU	-.1U5U	-.131U	.2170	.6380	.6130	.6080	.5680
.U5U				.2810	.3170	.3080	.3180
.U81			.2300				
.U86		.0790					
.U94	.0920						
.150				.U51U	.U47U	.U2UU	.U46U
.177			.U68U				
.229	.0610						
.246		.0190					
.25U				-.0750	-.1U2U	-.U91U	-.1350
.362	.0440						
.400				-.2020	-.2U8U		-.2210
.402			-.1530				
.497	-.0050						
.550				-.2230	-.29U0		
.565			-.12U0				
.600							-.3620
.650						-.3540	
.700	-.0140				-.3080		
.725				-.0980			
.750						-.3510	-.3580
.760			.0770				
.775				.0240	-.U940		
.8U0			.0280				
.834	.1130						
.850				.U340	-.U1UU	-.178U	
.857			.U26U				
.865	-.0080						
.900	.0290			.U390			-.2910
.905			.0370				
.950				.0710	.U88U	-.U51U	
.953			.U42U				
.965	.0340						

MACH (3) = 1.385 ALPHA (2) = -3.42U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UU	-.U87U	-.0730	.2730	.6600	.6210	.6230	.5850
.U5U				.2220	.2660	.2630	.2820
.U81			.1910				
.U86		.0630					
.U94	.0290						

AMES 11-7D7 OA12 CEA UPPER WING (REPU59)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.395 ALPHA (2) = -3.420

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0070	.0070	-.0150	-.0290
.177			.0380				
.229	.0380						
.246		-.0030					
.250				-.1090	-.1390	-.1270	-.1690
.362	.0160						
.400				-.2250	-.2440		-.2450
.402			-.1930				
.497	-.0290						
.550				-.2460	-.3160		
.565			-.1820				
.600							-.3870
.650						-.3780	
.700	-.0520				-.3450		
.725				-.0940			
.750						-.3760	-.4040
.760			.0530				
.775				.0080	-.1510		
.800			.0460				
.834	.0870						
.850				.0220	-.0560	-.2740	
.857			.0120				
.865	-.0320						
.900	.0030			.0250			-.3130
.905			.0220				
.950				.0580	.0650	-.0850	
.953			.0280				
.965	.0080						

MACH (2) = 1.398 ALPHA (5) = -1.430

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0760	-.0120	.3930	.6950	.6330	.6430	.5980
.050				.0930	.1570	.1630	.2020
.081			.1070				
.086		.0450					
.094	-.0120						
.150				-.0810	-.0730	-.0840	-.0980
.177			-.0550				
.229	.0090						
.246		-.0400					
.250				-.1780	-.2070	-.2010	-.2290
.362	-.0140						
.400				-.2750	-.3040		-.3070
.402			-.2380				
.497	-.0610						

AMES 11-707 OA12 OEA UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (3) = -1.430

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.3040	-.3570		
.565			-.2520				
.600							-.4280
.650						-.4240	
.700	-.1160				-.3920		
.725				-.0970			
.750						-.4190	-.4330
.760			.0160				
.775				-.0480	-.3020		
.808			-.0210				
.834	.0510						
.850				-.0100	-.1360	-.3770	
.857			-.0120				
.865	-.0570						
.900	-.0240			-.0040			-.3320
.905			-.0070				
.950				.0230	-.0180	-.1380	
.953			.0010				
.965	-.0170						

MACH (3) = 1.387 ALPHA (4) = .920

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1070	-.0410	.3480	.6890	.6320	.6530	.5860
.050				-.0180	.0350	.0500	.1080
.081			.0250				
.088		.0190					
.094	-.0390						
.150				-.1500	-.1460	-.1480	-.1470
.177			-.1320				
.229	-.0210						
.246		-.0750					
.250				-.2550	-.2690	-.2680	-.2880
.362	-.0390						
.400				-.3170	-.3640		-.3590
.402			-.2740				
.497	-.0680						
.550				-.3430	-.4130		
.565			-.2890				
.600							-.4610
.650						-.4730	
.700	-.1790				-.4370		
.725				-.0970			
.750						-.4730	-.4620
.760			-.0310				
.775				-.1060	-.4030		

AMES 11-7ft OA12 OBA UPPER WING (REPLOG)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 ALPHA (4) = .52D

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.0460				
.834	.0200						
.850				-.0620	-.1850	-.4240	
.857			-.0330				
.865	-.0770						
.900	-.0410			-.0440			-.3660
.905			-.0280				
.950				-.0130	-.1220	-.2410	
.953			-.0200				
.965	-.0380						

MACH (3) = 1.398 ALPHA (5) = 2.60D

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1670	-.1390	.3060	.6840	.6130	.6430	.5630
.050				-.1040	-.0560	-.0610	-.0150
.081			-.0850				
.086		-.0330					
.094	-.0830						
.150				-.2540	-.2290	-.2220	-.2300
.177			-.2160				
.229	-.0820						
.248		-.1270					
.290				-.3290	-.3400	-.3360	-.3460
.362	-.0740						
.400				-.3690	-.4220		-.4030
.402			-.3190				
.497	-.1240						
.550				-.3900	-.4730		
.565			-.3270				
.600							-.4970
.650						-.5160	
.700	-.2330				-.4770		
.725				-.1070			
.750						-.5150	-.4820
.760			-.1060				
.775				-.1480	-.4580		
.808			-.0990				
.834	-.0200						
.850				-.1170	-.3040	-.4860	
.857			-.0680				
.865	-.1040						
.900	-.0670			-.0990			-.4150
.905			-.0560				
.950				-.0720	-.1190	-.3950	
.953			-.0450				

AMES 11-7U7 OA12 C2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.396 ALPHA (5) = 2.6U0

Y/BW	.298	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0650						

MACH (3) = 1.397 ALPHA (6) = 4.570

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/							
.000	-.2490	-.2840	.2050	.6500	.5920	.6160	.3010
.050				-.2400	-.1940	-.1840	-.1180
.081			-.1950				
.086		-.0930					
.094	-.1070						
.150				-.3330	-.3040	-.3030	-.3140
.177			-.2960				
.229	-.1140						
.246		-.1730					
.250				-.4080	-.3990	-.3960	-.4160
.362	-.1000						
.400				-.4200	-.4740		-.4520
.402			-.3500				
.407	-.1510						
.550				-.4180	-.5270		
.565			-.3550				
.604							-.5270
.650						-.5540	
.700	-.2990				-.5280		
.725				-.1180			
.750						-.5320	-.5230
.760			-.1790				
.775				-.1930	-.5160		
.808			-.1600				
.834	-.0520						
.850				-.1620	-.4430	-.5180	
.857			-.1200				
.865	-.1140						
.900	-.0780			-.1430			-.4680
.905			-.0920				
.930				-.1230	-.1430	-.3640	
.953			-.0680				
.965	-.0870						

MACH (3) = 1.389 ALPHA (7) = 6.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3200	-.2950	.0520	.5810	.5480	.5610	.4210
.050				-.3560	-.2990	-.2780	-.2330
.081			-.3170				
.086		-.1770					
.094	-.1240						

AMES 11-7ft CA12 CBA UPPER WING (RBPU59)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.399 ALPHA (7) = 6.440

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.4190	-.3870	-.3890	-.3850
.177			-.3450				
.229	-.1440						
.246		-.2100					
.250				-.4710	-.4630	-.4610	-.4650
.362	-.1230						
.400				-.4820	-.5250		-.4970
.402			-.3670				
.497	-.1870						
.550				-.4360	-.5420		
.565			-.3870				
.600							-.4820
.650						-.4930	
.700	-.3320				-.4910		
.725				-.1340			
.750						-.4650	-.4640
.760			-.2330				
.775				-.2000	-.4730		
.798			-.2190				
.834	-.0780						
.850				-.1630	-.4380	-.4330	
.857			-.1560				
.865	-.1250						
.900	-.0890			-.1510			-.4060
.905			-.1220				
.950				-.1330	-.3340	-.3890	
.983			-.1040				
.985	-.1050						

MACH (3) = 1.398 ALPHA (8) = 8.710

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3110	-.2920	-.1400	.4720	.4660	.4670	.3140
.050				-.4610	-.4080	-.3870	-.3640
.081			-.4100				
.085		-.2610					
.094	-.3550						
.150				-.5240	-.4770	-.4740	-.4710
.177			-.3580				
.229	-.1770						
.246		-.3110					
.250				-.5250	-.5360	-.5300	-.5240
.362	-.1790						
.400				-.5460	-.5360		-.4960
.402			-.4080				
.497	-.2530						

AMES 11-7D7 OA12 O2A UPPER WING (RBPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (8) = 8.710

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4570	-.5470		
.565			-.4130				
.600							-.5050
.650						-.5010	
.700	-.3720				-.5100		
.725				-.1520			
.750						-.4830	-.4660
.760			-.2710				
.775				-.2670	-.4970		
.808			-.2770				
.834	-.1400						
.850				-.2290	-.4730	-.4680	
.857			-.2430				
.865	-.1690						
.900	-.1360			-.2110			-.4540
.905			-.2380				
.950				-.1920	-.4000	-.4430	
.953			-.1820				
.965	-.1160						

MACH (3) = 1.397 ALPHA (9) = 10.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3230	-.3240	-.2370	.4110	.4140	.4070	.2320
.050				-.5080	-.4560	-.4460	-.4350
.081			-.4580				
.086		-.3070					
.094	-.4440						
.150				-.5620	-.5210	-.5200	-.5170
.177			-.4320				
.229	-.2460						
.246		-.3660					
.250				-.5500	-.5740	-.5550	-.5330
.362	-.2570						
.400				-.5660	-.5600		-.5270
.402			-.4160				
.497	-.2940						
.550				-.5500	-.5400		
.565			-.4240				
.600							-.5240
.650						-.5230	
.700	-.4080				-.5280		
.725				-.1610			
.750						-.5110	-.4990
.760			-.2870				
.775				-.3640	-.5170		

AMES 11-707 OA12 OEA UPPER WING (REPU39)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 ALPHA (9) = 10.110

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.3110				
.834	-.1910						
.850				-.2380	-.4950	-.4970	
.857			-.2790				
.865	-.1970						
.900	-.1550			-.1960			-.4990
.905			-.2560				
.950				-.1790	-.4290	-.4710	
.953			-.2490				
.965	-.1410						

MACH (3) = 1.384 ALPHA (10) = 15.030

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.800	-.3720	-.3840	-.4210	.1690	.1990	.1410	-.0490
.850				-.6110	-.5830	-.5780	-.6040
.881			-.5330				
.888		-.4240					
.894	-.4550						
.930				-.6110	-.6190	-.6160	-.5770
.977			-.5300				
.229	-.5130						
.248		-.5080					
.250				-.6070	-.6000	-.5980	-.5860
.362	-.5080						
.400				-.6020	-.6010		-.5740
.402			-.5260				
.497	-.5280						
.550				-.5950	-.5980		
.565			-.5290				
.800							-.5820
.850						-.5730	
.700	-.4830				-.5810		
.725				-.1850			
.750						-.5880	-.5530
.780			-.4320				
.779				-.5330	-.5740		
.808			-.4380				
.834	-.3110						
.850				-.5790	-.5590	-.5570	
.857			-.4370				
.865	-.2910						
.900	-.2650			-.5200			-.5550
.905			-.4170				
.950				-.4870	-.5000	-.5350	
.953			-.4140				

AMES 11-7U7 OA12 OEA UPPER WING (RBPUS9)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.394 ALPHA (1U) = 15.L3U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1510						

AMES 11-FT OA12 OBA UPPER WING (REPLIED) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

ALPHA = .500 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (1) = -0.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0380	-.0010	.5240	.8040	.7670	.7660	.7250
.050				.0710	.1180	.0750	.1090
.081			.0920				
.086		.0970					
.084	.0880						
.150				-.1660	-.2140	-.2680	-.3150
.177			-.0310				
.229	.0270						
.246		.1260					
.250				-.3060	-.3930	-.4180	-.4690
.302	-.0210						
.400				-.4280	-.5130		-.5520
.402			-.3710				
.497	-.0010						
.550				-.4000	-.5060		
.565			-.0780				
.600							-.6790
.650						-.6060	
.700	.0030				-.3060		
.725				-.1710			
.750						-.5430	-.6530
.780			-.0890				
.775				-.1140	-.1580		
.804			-.1000				
.854	.0420						
.850				-.0470	.0020	-.1850	
.857			-.0730				
.886	-.1000						
.904	-.0700			.0280			-.3660
.905			-.0330				
.950				.0790	.1590	.0310	
.953			.0320				
.965	-.0280						

MACH (1) = 1.101 BETA (2) = -4.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1230	-.0190	.4740	.7370	.6920	.6690	.6440
.050				.0210	.0640	.0200	.0380
.081			.0670				
.086		.0380					
.094	-.0080						

AMES 11-7D7 OA12 O2A UPPER WING (RBPU4D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETA (2) = -4.000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1840	-.2330	-.2940	-.3510
.177			-.0650				
.229	-.0100						
.246		.0850					
.250				-.3030	-.3960	-.4270	-.4930
.362	-.0530						
.400				-.4130	-.4870		-.5610
.402			-.3510				
.497	-.0260						
.550				-.0770	-.5550		
.565			-.0730				
.600							-.6800
.650						-.6620	
.700	-.0160				-.2790		
.725				-.1520			
.750						-.3370	-.6360
.760			-.0740				
.775				-.1590	-.2230		
.808			-.1350				
.834	-.0130						
.850				-.1230	-.1220	-.0580	
.857			-.1220				
.865	-.1440						
.900	-.1170			-.0730			-.1250
.905			-.1080				
.990				.0430	.1070	.1210	
.953			-.0580				
.965	-.1010						

MACH (1) = 1.100 BETA (3) = -1.980

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1790	-.0290	.4550	.7020	.6540	.6470	.5980
.050				-.0070	.0360	-.0210	-.0010
.081			.0550				
.086		.0260					
.094	-.0100						
.150				-.1950	-.2520	-.3180	-.3710
.177			-.0740				
.229	-.0140						
.246		.0810					
.250				-.3120	-.4030	-.4420	-.5100
.362	-.0440						
.400				-.4250	-.4950		-.5670
.402			-.3520				
.497	-.0480						

AMES 11-7x7 OA12 OBA UPPER WING (REPUNO)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETA (3) = -1.980	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.550				-.1200	-.4770		
	.565			-.0950				
	.600							-.6790
	.650						-.5040	
	.700	-.0330				-.2950		
	.725				-.1450			
	.750						-.2940	-.5610
	.780			-.1020				
	.775				-.1650	-.2520		
	.808			-.1620				
	.834	-.0450						
	.850				-.1540	-.1490	-.0370	
	.857			-.1490				
	.885	-.1780						
	.900	-.1430			-.1120			-.0060
	.905			-.1220				
	.950				-.0170	.0090	.1220	
	.953			-.0870				
	.965	-.0890						

MACH (1) = 1.080 BETA (4) = .080	Y/BW	.299	.364	.427	.534	.673	.780	.887
	X/CW							
	.040	-.2580	-.0340	.4180	.0840	.0280	.0220	.5650
	.050				-.0290	.0170	-.0420	-.0280
	.081			.0490				
	.086		.0270					
	.094	.0010						
	.150				-.1980	-.2560	-.3270	-.3870
	.177			-.0720				
	.229	-.0150						
	.246		.0090					
	.250				-.3020	-.3810	-.4390	-.5190
	.382	-.0910						
	.400				-.4130	-.4760		-.5670
	.402			-.3180				
	.497	-.0480						
	.550				-.1370	-.2560		
	.565			-.0960				
	.600							-.6270
	.650						-.3680	
	.700	-.0330				-.3290		
	.725				-.1410			
	.750						-.3130	-.5080
	.780			-.1280				
	.775				-.2080	-.2840		

AMES 11-707 OA12 OEA UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (4) = .000

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.1810				
.834	-.0640						
.850				-.1720	-.2130	-.1480	
.857			-.1720				
.865	-.1970						
.900	-.1700			-.1580			.0610
.905			-.1610				
.950				-.0870	.0130	.0610	
.953			-.1280				
.965	-.1500						

MACH (1) = 1.099 BETA (5) = 2.150

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.3560	-.0550	.0040	.0470	.0870	.0780	.0110
.050				-.0440	-.0120	-.0890	-.0810
.081			.0470				
.086		.0220					
.094	-.0030						
.150				-.1910	-.2650	-.3490	-.4090
.177			-.0530				
.229	-.0160						
.246		.0600					
.250				-.2770	-.3670	-.4370	-.5270
.362	-.0360						
.400				-.3620	-.4510		-.5420
.402			-.2610				
.497	-.0340						
.550				-.1780	-.2630		
.565			-.1320				
.600							-.0120
.650						-.3880	
.700	-.0620				-.3640		
.725				-.1420			
.750						-.3470	-.4410
.760			-.1750				
.775				-.2480	-.3090		
.808			-.2130				
.834	-.1090						
.850				-.2010	-.2530	-.1900	
.857			-.2100				
.865	-.2390						
.900	-.2130			-.1990			-.0390
.905			-.2030				
.950				-.1440	-.0470	.0080	
.953			-.1740				

AMES 11-707 CA12 CBA UPPER WING (RSPUNG)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.600 BETA (5) = 2.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.1970						

MACH (1) = 1.100 BETA (6) = 4.230

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.040	-.4720	-.0790	.3890	.5990	.5320	.5260	.4560
.050				-.0810	-.0560	-.1220	-.1180
.081			.0320				
.086		.0280					
.094	-.0170						
.150				-.2070	-.2850	-.3710	-.4260
.177			-.0650				
.229	-.0130						
.246		.0730					
.250				-.2880	-.3[illegible]50	-.4430	-.5440
.362	.0810						
.400				-.3180	-.4530		-.5090
.462			-.2580				
.497	-.0440						
.550				-.1780	-.2870		
.565			-.1370				
.600							-.5850
.650						-.3940	
.700	-.0740				-.3680		
.725				-.1970			
.750						-.3570	-.3330
.780			-.2010				
.775				-.2700	-.3250		
.800			-.2430				
.834	-.1380						
.850				-.2210	-.2740	-.2350	
.857			-.2290				
.865	-.2800						
.900	-.2410			-.2250			-.0720
.905			-.2280				
.750				-.1880	-.1040	-.0270	
.953			-.2040				
.965	-.2240						

MACH (1) = 1.000 BETA (7) = 0.350

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.5340	-.0570	.2640	.4880	.4120	.4090	.3230
.050				-.1580	-.1350	-.2120	-.2240
.081			.0080				
.086		.0040					
.094	.0030						

AMES 11-7U7 OA12 OZA UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = 1.U99 BETA (7) = 8.39U

Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW							
.150				-.2310	-.3190	-.4050	-.4710
.177			-.0750				
.229	.0280						
.246		.0540					
.250				-.2850	-.3950	-.4440	-.5680
.362	-.0080						
.400				-.2210	-.2970		-.5060
.402			-.1300				
.497	-.0550						
.550				-.2050	-.2930		
.565			-.1700				
.600							-.4420
.650						-.4190	
.700	-.0980				-.3910		
.725				-.1520			
.750						-.3880	-.3840
.760			-.2720				
.775				-.3130	-.3530		
.808			-.3080				
.834	-.1910						
.850				-.2780	-.3130	-.2820	
.857			-.2850				
.865	-.3110						
.900	-.2940			-.2780			-.1160
.905			-.2810				
.950				-.2550	-.1930	-.0810	
.953			-.2700				
.965	-.2950						

MACH (2) = 1.250 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0120	.0340	.4720	.8410	.8040	.8140	.7700
.050				.0520	.1140	.1250	.1880
.081			.0850				
.086		.0820					
.094	.0830						
.150				-.1690	-.1530	-.1620	-.1780
.177			-.1270				
.229	.0230						
.246		-.0670					
.250				-.2770	-.3110	-.3120	-.3480
.362	-.0340						
.400				-.3630	-.4330		-.4240
.402			-.2980				
.497	-.0280						

AMES 11-7ft CA12 CBA UPPER WING (REFUND)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.250 BETA (1) = -8.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.4000	-.5120		
.565			-.3260				
.600							-.5520
.650						-.5810	
.700	-.1950				-.5220		
.725				-.1460			
.750						-.5500	-.5400
.760			.0150				
.775				-.0170	-.4540		
.808			.0000				
.834	.1020						
.850				.0180	-.2510	-.5160	
.857			.0280				
.865	-.0080						
.900	.0380			.0320			-.4360
.906			.0370				
.950				.0640	.0760	-.2010	
.953			.0450				
.965	.0290						

MACH (2) = 1.247 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0850	.0130	.4160	.7570	.7050	.7180	.6730
.050				-.0120	.0390	.0620	.1180
.101			.0500				
.088		.0330					
.094	.0150						
.130				-.1970	-.1850	-.1960	-.2160
.177			-.1340				
.229	-.0200						
.246		-.0850					
.250				-.2840	-.3250	-.3400	-.3670
.382	-.0490						
.450				-.3550	-.4310		-.4440
.482			-.3030				
.497	-.0840						
.550				-.3950	-.4960		
.565			-.3250				
.600							-.5610
.650						-.5760	
.700	-.1470				-.5030		
.725				-.1290			
.750						-.5560	-.5460
.760			-.0140				
.775				-.0640	-.3630		

AMES 11-7D7 OA12 O2A UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.0490				
.834	.0490						
.850				-.0460	-.1060	-.5160	
.857			-.0240				
.865	-.0650						
.900	-.0220			-.0330			-.4330
.905			-.0160				
.950				-.0100	.0280	-.1440	
.953			-.0110				
.965	-.0260						

MACH (2) = 1.247 BETA (3) = -1.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0980	-.0140	.3870	.7120	.6990	.6710	.6270
.050				-.0400	.0180	.0280	.0810
.081			.0350				
.086		.0190					
.094	-.0160						
.150				-.2000	-.1970	-.2180	-.2340
.177			-.1400				
.229	-.0230						
.246		-.0690					
.252				-.2820	-.3320	-.3510	-.3800
.362	-.0580						
.400				-.3550	-.4350		-.4530
.402			-.3030				
.497	-.0730						
.550				-.3880	-.4870		
.565			-.2660				
.600							-.5640
.650						-.5710	
.700	-.1090				-.4970		
.725				-.1240			
.750						-.5490	-.5520
.760			-.0370				
.775				-.0680	-.2270		
.808			-.0800				
.834	.0130						
.850				-.0740	-.1330	-.4340	
.857			-.0520				
.865	-.1020						
.900	-.0590			-.0640			-.4250
.905			-.0450				
.950				-.0330	-.0470	-.1180	
.953			-.0400				

AMES 11-7D7 OA12 CBA UPPER WING (INPUT)

SECTION : 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.207 BETA (3) = -1.940

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	-.0610						

MACH (2) = 1.248 BETA (4) = .180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1590	-.1440	.3620	.6770	.6120	[illegible]	.5760
.050				-.0770	-.[illegible]	-.0030	.0450
.081			.0280				
.066		.0070					
.094	-.0460						
.150				-.1970	-.2080	-.2350	-.2570
.177			-.1330				
.229	-.0270						
.246		-.0930					
.298				-.2810	-.3300	-.3590	-.3950
.362	-.0810						
.410				-.3420	-.4230		-.4630
.402			-.3070				
.497	-.0760						
.550				-.3870	-.4740		
.565			-.2230				
.600							-.5630
.680						-.5650	
.700	-.1120				-.4380		
.725				-.1190			
.750						-.5400	-.5480
.780			-.0570				
.775				-.1080	-.2170		
.808			-.1980				
.834	-.0090						
.850				-.0890	-.145[illegible]	-.3550	
.861			-.0840				
.888	-.1280						
.900	-.0890			-.0840			-.4170
.905			-.0730				
.950				-.0480	-.0120	-.1050	
.958			-.0880				
.988	-.0920						

MACH (2) = 1.848 BETA (5) = 2.140

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2310	-.0820	.3540	.6350	.5650	.5870	.5290
.050				-.0880	-.0410	-.0390	.0070
.081			.0120				
.066		.0010					
.094	-.0800						

AMES 11-7U7 OA12 OBA UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (5) = 2.140

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1800	-.2150	-.2510	-.2730
.177			-.1230				
.229	-.0380						
.246		-.0680					
.250				-.2730	-.3330	-.3630	-.4090
.362	-.0570						
.400				-.3420	-.4120		-.4660
.402			-.3040				
.497	-.0750						
.550				-.3750	-.4650		
.565			-.1890				
.600							-.5850
.650						-.5580	
.700	-.1050				-.3420		
.723				-.1180			
.750						-.5160	-.5430
.780			-.0800				
.775				-.1270	-.2070		
.800			-.1300				
.834	-.0350						
.850				-.1170	-.1330	-.2280	
.857			-.1050				
.865	-.1520						
.900	-.1190			-.1010			-.3980
.905			-.0990				
.950				-.0650	-.0250	-.[illegible]	
.953			-.0930				
.965	-.1180						

MACH (2) = 1.245 BETA (6) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3220	-.1010	.2990	.5980	.3160	.5390	.4810
.050				-.1260	-.0650	-.0580	-.0280
.081			-.0050				
.086		-.0110					
.094	-.0670						
.150				-.1850	-.2120	-.2580	-.2880
.177			-.1210				
.229	-.0330						
.246		-.0810					
.250				-.2830	-.3350	-.3650	-.4130
.362	-.0580						
.400				-.3390	-.4110		-.4680
.402			-.3010				
.497	-.0710						

AMES 11-7U7 OA12 OBA UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (6) = 4.210

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.3360	-.4520		
.565			-.1600				
.600							-.5620
.650						-.5390	
.700	-.0930				-.2690		
.725				-.1210			
.750						-.4830	-.5320
.760			-.1030				
.775				-.1380	-.1940		
.808			-.1460				
.834	-.0490						
.850				-.1260	-.1400	-.1870	
.857			-.1280				
.865	-.1660						
.900	-.1380			-.1190			-.2810
.905			-.1190				
.950				-.0870	-.0400	-.0070	
.953			-.1140				
.965	-.1380						

MACH (2) = 1.247 BETA (7) = 8.340

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4180	-.0980	.1880	.5130	.4230	.4440	.3780
.050				-.1710	-.1610	-.1120	-.0910
.101			-.0320				
.108		-.0190					
.134	-.0470						
.150				-.1810	-.2230	-.2870	-.3230
.177			-.0820				
.229	-.0220						
.246		-.0570					
.250				-.2450	-.3330	-.3740	-.4320
.302	-.0380						
.400				-.3380	-.3780		-.4690
.402			-.2820				
.407	-.0710						
.550				-.1790	-.4100		
.585			-.1200				
.600							-.5370
.650						-.4830	
.700	-.0780				-.2050		
.725				-.1280			
.750						-.3340	-.4870
.760			-.1310				
.775				-.1710	-.1750		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU4U)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (7) = 8.34U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.8U8			-.1790				
.834	-.U77U						
.85U				-.159U	-.145U	-.U8U	
.857			-.167U				
.865	-.194U						
.9U0	-.177U			-.158U			-.119U
.905			-.153U				
.95U				-.13U0	-.09U	.U74U	
.953			-.158U				
.965	-.184U						

MACH (3) = 1.396 BETA (1) = -8.04U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UU0	-.U15U	.U16U	.454U	.877U	.841U	.858U	.816U
.05U				.141U	.205U	.216U	.279U
.U81			.151U				
.U86		.1U5U					
.U94	.U77U						
.15U				-.U78U	-.U52U	-.U46U	-.U52U
.177			-.U86U				
.229	.U44U						
.246		-.U3UU					
.25U				-.232U	-.21U0	-.197U	-.213U
.362	.U07U						
.4U0				-.31U0	-.336U		-.296U
.402			-.259U				
.497	-.U33U						
.55U				-.354U	-.42U0		
.565			-.27U0				
.6U0							-.427U
.65U						-.458U	
.7U4	-.169U				-.452U		
.725				-.13U0			
.75U						-.462U	-.43U6
.76U			-.U14U				
.775				-.U89U	-.438U		
.8U8			.U16U				
.834	.127U						
.85U				-.U43U	-.238U	-.431U	
.857			.U63U				
.865	.U38U						
.9U0	.U82U			-.U06U			-.339U
.9U5			.U91U				
.95U				.U38U	-.122U	-.365U	
.953			.1U4U				

AMES 11-707 OA12 OEA UPPER WING (RBPU40)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.398 BETA (1) = -0.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.985	.0650						

MACH (3) = 1.399 BETA (2) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0380	.0140	.4010	.7880	.7350	.7530	.7090
.030				.0550	.1190	.1360	.1990
.081			.0780				
.088		.0520					
.094	.0090						
.130				-.1130	-.0970	-.0930	-.0970
.177			-.1110				
.229	.0050						
.246		-.0820					
.290				-.2480	-.2370	-.2300	-.2470
.382	-.0300						
.410				-.3110	-.3480		-.3270
.402			-.2840				
.497	-.0810						
.550				-.3480	-.4170		
.565			-.2770				
.600							-.4460
.650						-.4660	
.700	-.2030				-.4300		
.725				-.1100			
.750						-.4680	-.4420
.780			-.0130				
.775				-.1040	-.4250		
.808			-.0070				
.834	.0750						
.850				-.0560	-.2120	-.4380	
.857			.0190				
.865	-.0110						
.900	.0240			-.0230			-.3490
.905			.0350				
.950				.0230	-.1000	-.3520	
.953			.0470				
.965	.0240						

MACH (3) = 1.397 BETA (3) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0990	-.0280	.3490	.7030	.6370	.6540	.6090
.050				-.0050	.0530	.0680	.1280
.081			.0390				
.086		.0280					
.094	-.0370						

AMES 11-7U7 OA12 ORA UPPER WING (RBPU4D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.397 BETA (3) = .UBU

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1370	-.1300	-.1340	-.1380
.177			-.1180				
.229	-.0130						
.248		-.0880					
.250				-.2390	-.2810	-.2570	-.2780
.302	-.0320						
.400				-.3080	-.3550		-.3510
.402			-.2890				
.497	-.0810						
.550				-.3390	-.4050		
.585			-.2810				
.800							-.4530
.850						-.4670	
.700	-.1710				-.4290		
.725				-.1690			
.750						-.4630	-.4570
.780			-.0810				
.775				-.0970	-.5900		
.800			-.0570				
.834	.0280						
.850				-.1520	-.1880	-.4150	
.857			-.0280				
.865	-.0710						
.900	-.0380			-.1930			-.3810
.905			-.0810				
.950				-.1090	-.1080	-.2010	
.955			-.0130				
.959	-.0940						

MACH (3) = 1.384 BETA (4) = 4.210

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2040	-.1280	.2910	.0190	.5330	.5330	.5040
.050				-.0990	-.0410	.0410	.0540
.081			-.0030				
.088		.0190					
.104	-.0660						
.150				-.1670	-.1560	-.1710	-.1820
.177			-.1210				
.229	-.0100						
.248		-.0870					
.250				-.2280	-.2780	-.2830	-.3050
.302	-.0330						
.400				-.2970	-.3410		-.3680
.402			-.2840				
.497	-.0840						

AMES 11-7Ø7 OA12 OEA UPPER WING (BDPU4D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.384 BETA (4) = 4.210 Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3230	-.3840		
.565			-.2860				
.640							-.4610
.650						-.4530	
.700	-.1440				-.4180		
.725				-.0970			
.750						-.4370	-.4580
.780			-.0480				
.775				-.0890	-.3070		
.848			-.0760				
.834	-.0120						
.850				-.0590	-.1650	-.3920	
.857			-.0700				
.865	-.1100						
.900	-.0080			-.0580			-.3440
.905			-.0690				
.950				-.0410	-.0250	-.1390	
.953			-.0620				
.965	-.0850						

MACH (3) = 1.388 BETA (5) = 8.380 Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.Ø3Ø	-.3230	-.1190	.1730	.3240	.4350	.4510	.4030
.Ø8Ø				-.1050	-.0780	-.0650	-.0220
.Ø81			-.0250				
.Ø86		.Ø16Ø					
.Ø94	-.1010						
.15Ø				-.1640	-.1650	-.2110	-.2230
.177			-.0780				
.229	-.0050						
.246		-.0550					
.25Ø				-.2150	-.2660	-.2900	-.3290
.3Ø2	-.0220						
.4ØØ				-.2900	-.3280		-.3720
.4Ø2			-.2370				
.497	-.0780						
.55Ø				-.3080	-.3750		
.565			-.2590				
.6ØØ							-.4600
.65Ø						-.4330	
.7ØØ	-.1380				-.3870		
.725				-.1090			
.75Ø						-.4250	-.4470
.76Ø			-.0550				
.775				-.Ø98Ø	-.2Ø8Ø		

AMES 11-7D7 OA12 OEA UPPER WING (RBPU4D)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (3) = 1.300 BETA (5) = 0.300

Y/BW	.299	.364	.427	.534	.673	.780	.897
X/CW							
.840			-.0960				
.834	-.0250						
.850				-.0790	-.1270	-.3150	
.857			-.0990				
.865	-.1180						
.900	-.1130			-.0870			-.3320
.905			-.0990				
.950				-.0780	-.0150	-.3120	
.953			-.0990				
.965	-.1190						

AMES 11-7U7 OA12 GBA UPPER WING (RBPU01) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1850	-.4030	.0620	.2200	.2700	.2340	.2590
.050				.1930	.1880	.1410	.1340
.081			.1600				
.086		.1140					
.094	.1110						
.150				-.0030	-.1530	-.2020	-.2340
.177			-.0240				
.229	.0810						
.246		.0720					
.250				-.2210	-.2670	-.2930	-.2910
.362	.0380						
.400				-.2570	-.3250		-.3560
.402			-.1930				
.497	-.0360						
.550				-.1730	-.2330		
.565			-.1260				
.600							-.2070
.650						-.1430	
.700	-.0700				-.0820		
.725				-.1280			
.750						-.0080	-.0280
.780			.0270				
.775				.0400	.0190		
.800			.0430				
.834	.0380						
.850				.0880	.0790	.0970	
.857			.0690				
.893	.0290						
.900	.0810			.1010			.1020
.905			.0710				
.960				.1080	.1130	.1290	
.953			.0750				
.965	.0360						

MACH (1) = .900 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1130	-.2730	.1030	.2260	.2190	.1730	.1900
.050				.1440	.1170	.0800	.0680
.081			.1050				
.086		.0800					
.094	.0680						

AMES 11-7U7 OA12 OBA UPPER WING (RBPU01)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = .050

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.150				-.1230	-.1890	-.2410	-.2700
.177			-.0380				
.229	.0410						
.246		.0310					
.250				-.2580	-.2950	-.3140	-.3160
.362	.0080						
.400				-.3120	-.3570		-.3970
.402			-.2570				
.497	-.0790						
.550				-.2310	-.2720		
.565			-.2010				
.600							-.2220
.650						-.1650	
.700	-.1520				-.1210		
.725				-.1410			
.750						-.1090	-.0350
.760			-.0870				
.775				.0020	-.0080		
.808			-.0090				
.834	-.0080						
.850				.0800	.0610	.0860	
.857			.0320				
.865	-.0280						
.900	.0120			.0790			.1000
.905			.0440				
.950				.0970	.1080	.1250	
.953			.0560				
.965	.0040						

MACH (1) = .600 BETA (3) = 5.280

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.0460	-.1190	.1570	.2350	.2030	.1580	.1620
.050				.0910	.0630	.0270	-.0030
.081			.0700				
.086		.0430					
.094	.0540						
.150				-.1480	-.2120	-.2610	-.2820
.177			-.0730				
.229	.0370						
.246		.0160					
.250				-.2700	-.3030	-.3150	-.3190
.362	-.0080						
.400				-.3330	-.3650		-.3630
.402			-.2900				
.497	-.0900						

AMES 11-7D7 OA12 OBA - UPPER WING (BRPU01)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (3) = 5.280

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2560	-.2780		
.565			-.2390				
.600							-.2130
.650						-.1630	
.700	-.1980				-.1270		
.725				-.1290			
.750						-.0300	-.0230
.760			-.0580				
.775				-.0130	-.0180		
.800			-.0320				
.834	-.0400						
.850				.0490	.0570	.0870	
.857			.0150				
.885	-.0500						
.900	-.0080			.0780			.1130
.905			.0370				
.950				.0950	.1110	.1350	
.953			.0470				
.985	.0020						

MACH (2) = .900 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.003	-.1300	-.3580	.2380	.4760	.4570	.4100	.3660
.050				.2500	.2210	.1660	.1360
.081			.2090				
.086		.1360					
.094	.1340						
.150				-.0560	-.1410	-.2450	-.3050
.177			.0220				
.229	.1070						
.246		.1300					
.250				-.2340	-.3280	-.3010	-.4560
.362	.0820						
.400				-.3120	-.4460		-.5980
.402			-.2200				
.407	.0050						
.550				-.3200	-.4800		
.565			-.2280				
.600							-.6600
.650						-.1670	
.700	-.1240				-.0800		
.725				-.1650			
.750						.0280	.0370
.760			.0810				
.775				.0450	.0450		

AMES 11-7U7 CA12 CRA UPPER WING (RBPU41)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (1) = -4.990

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0300				
.834	.0120						
.850				.1080	.1180	.1330	
.857			.0830				
.865	.0160						
.900	.0680			.1190			.1340
.905			.0870				
.950				.1150	.1300	.1440	
.953			.0850				
.965	.0290						

MACH (2) = .900 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0570	-.2080	.2390	.4010	.3540	.3180	.2490
.050				.1930	.1640	.1050	.0690
.081			.1720				
.086		.0970					
.094	.1020						
.150				-.0690	-.1570	-.2720	-.3350
.177			.0110				
.229	.0780						
.246		.0890					
.250				-.2410	-.3360	-.3130	-.4710
.362	.0680						
.400				-.3590	-.4250		-.6090
.402			-.2360				
.497	-.0120						
.550				-.3900	-.5350		
.565			-.2980				
.600							-.7800
.650						-.6390	
.700	-.2260				-.4410		
.725				-.1650			
.750						-.0930	-.1020
.760			-.1650				
.775				-.0280	-.0440		
.808			-.0810				
.834	-.1940						
.850				.0540	.0610	.0510	
.857			.0180				
.865	-.0860						
.900	-.0190			.0820			.0940
.905			.0390				
.950				.0790	.1150	.1280	
.953			.0290				

AMES 11-7ft OA12 OA UPPER WING (RDPU41)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .000

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.965	-.0150						

MACH (2) = .901 BETA (3) = 5.360

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.0180	-.0820	.2440	.3450	.2640	.2040	.1410
.050				.1660	.1170	.0590	.0220
.081			.1500				
.086		.0720					
.094	.0060						
.150				-.0720	-.1580	-.2840	-.3450
.177			.0190				
.229	.0690						
.248		.0820					
.250				-.2310	-.3300	-.3070	-.4630
.362	.0590						
.400				-.3680	-.4260		-.6320
.402			-.2620				
.497	-.0050						
.550				-.4130	-.5560		
.565			-.3540				
.600							-.7790
.650						-.7070	
.700	-.2830				-.6770		
.725				-.1640			
.750						-.2570	-.1950
.760			-.4680				
.775				-.3370	-.2290		
.808			-.3210				
.834	-.3730						
.850				-.0600	-.0470	-.0830	
.857			-.1020				
.865	-.2500						
.900	-.1320			.0220			-.0220
.905			-.0170				
.950				.0590	.0730	.0490	
.983			.0170				
.989	-.0380						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU42) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) = -4.900

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1890	-.4120	.0750	.2170	.2800	.2250	.2460
.050				.1950	.1810	.1380	.1280
.081			.1490				
.086		.1090					
.094	.1120						
.150				-.0880	-.1650	-.2150	-.2450
.177			-.0300				
.229	.0820						
.246		.0730					
.250				-.2280	-.2770	-.3030	-.3050
.362	.0400						
.400				-.2670	-.3450		-.3750
.402			-.2070				
.497	-.0430						
.550				-.1790	-.2390		
.565			-.1370				
.600							-.2240
.650						-.1530	
.700	-.0720				-.0940		
.725				-.1500			
.750						-.0130	-.0250
.760			.0130				
.775				.0810	.0100		
.808			.0280				
.834	.0480						
.850				.0790	.0760	.0910	
.857			.0640				
.865	.0220						
.900	.0580			.0930			.1020
.905			.0650				
.950				.1010	.1090	.1230	
.953			.0660				
.965	.0310						

MACH (1) = .908 BETA (2) = .100

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1080	-.2530	.1090	.2140	.2220	.1670	.1830
.050				.1500	.1200	.0830	.0620
.081			.1070				
.086		.0650					
.094	.0740						

AMES 11-7ft OA12 OEA UPPER WING (RBPU42)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .990 BETA (2) = .100

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1210	-.1980	-.2470	-.2720
.177			-.0560				
.229	.0500						
.246		.0370					
.250				-.2530	-.2980	-.3100	-.3220
.362	.0150						
.400				-.3030	-.3650		-.4040
.402			-.2570				
.497	-.0880						
.550				-.2230	-.2640		
.565			-.2030				
.600							-.2300
.650						-.1640	
.700	-.1450				-.1170		
.725				-.1410			
.750						-.0300	-.0310
.760			-.0320				
.775				.0010	-.0040		
.808			-.0140				
.834	-.0070						
.830				.0580	.0690	.0840	
.857			.0340				
.865	-.0250						
.900	.0160			.0750			.1060
.906			.0440				
.950				.0910	.1060	.1220	
.953			.0580				
.965	.0080						

MACH (1) = .990 BETA (3) = 5.290

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0570	-.1440	.1520	.2190	.1910	.1480	.1390
.050				.0810	.0600	.0110	-.0070
.081			.0660				
.086		.0380					
.094	.0480						
.150				-.1540	-.2200	-.2760	-.2830
.177			-.0780				
.229	.0310						
.246		.0080					
.250				-.2840	-.3200	-.3280	-.3280
.362	-.0030						
.400				-.3410	-.3800		-.3810
.402			-.2980				
.497	-.1010						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU42)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (3) = 5.29U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2690	-.2890		
.565			-.2510				
.600							-.2240
.650						-.1760	
.700	-.2130				-.1390		
.725				-.1530			
.750						-.0380	-.0280
.760			-.0670				
.775				-.0280	-.0240		
.800			-.0410				
.834	-.0510						
.850				.0350	.0500	.0760	
.857			.0040				
.865	-.0610						
.900	-.0160			.0610			.1080
.905			.0230				
.950				.0680	.1030	.1280	
.953			.0390				
.965	-.0110						

MACH (2) = .904 BETA (1) = -4.98U

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1230	-.3520	.2390	.4720	.4560	.4160	.3630
.050				.2430	.2190	.1550	.1300
.081			.2080				
.086		.1340					
.094	.1320						
.150				-.0630	-.1370	-.2590	-.3080
.177			.0210				
.229	.1080						
.246		.1230					
.250				-.2450	-.3240	-.3440	-.4530
.362	.0840						
.400				-.3250	-.4410		-.5880
.402			-.2200				
.497	-.0050						
.550				-.3310	-.4880		
.565			-.2170				
.600							-.5410
.650						-.2160	
.700	-.1330				-.0900		
.725				-.1740			
.750						.0210	.0250
.760			.0110				
.775				.0400	.0380		

AMES 11-7U7 OA12 OEA UPPER WING (REPU42)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9U0 BETA (1) = -4.98U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.808			.0445				
.834	-.0020						
.85U				.1040	.1110	.13UU	
.857			.U78U				
.865	.U05U						
.9UU	.U61U			.1190			.1310
.905			.U77U				
.95U				.1140	.1240	.1490	
.953			.U53U				
.965	.U18U						

MACH (2) = .9U0 ETA (2) = .1U0

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.000	-.0550	-.2010	.2390	.4U40	.3560	.3U6U	.2330
.U5U				.2U9U	.166U	.1U8U	.U76U
.081			.1810				
.U86		.U970					
.U94	.1U80						
.150				-.U85U	-.156U	-.269U	-.3300
.177			.U170				
.229	.U810						
.246		.1010					
.250				-.2350	-.3330	-.3110	-.4730
.362	.U710						
.400				-.3540	-.4230		-.6110
.4U2			-.2930				
.497	-.0040						
.550				-.3090	-.532U		
.565			-.2950				
.6U0							-.7760
.63U						-.6460	
.7U0	-.2200				-.3770		
.725				-.1970			
.75U						-.U990	-.U790
.760			-.1040				
.775				-.U850	-.U120		
.6U8			-.0530				
.834	-.1090						
.850				.U540	.U86U	.U5U0	
.857			.U300				
.865	-.0740						
.910	-.0110			.U840			.1060
.905			.0420				
.950				.U870	.1210	.1270	
.953			.U410				

AMES 11-7U7 OA12 OEA UPPER WING (RBPU42)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9UU BETA (2) = .1UU

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.965	-.U1UU						

MACH (2) = .9U1 BETA (3) = 5.36U

Y/BW	.299	.364	.427	.534	.673	.78U	.887
X/CW							
.UUU	-.U19U	-.U85U	.243U	.342U	.256U	.198U	.135U
.U5U				.164U	.119U	.U6U	.U24U
.U81			.15UU				
.U86		.U76U					
.U94	.U88U						
.15U				-.U7UU	-.157U	-.277U	-.349U
.177			.U19U				
.229	.U69U						
.246		.U84U					
.25U				-.23UU	-.328U	-.39U	-.461U
.362	.U58U						
.4UU				-.367U	-.427U		-.629U
.4U2			-.261U				
.497	-.UU8U						
.55U				-.414U	-.548U		
.565			-.354U				
.6UU							-.777U
.65U						-.7U4U	
.7UU	-.28UU				-.677U		
.725				-.173U			
.75U						-.244U	-.192U
.76U			-.471U				
.775				-.278U	-.245U		
.8U8			-.332U				
.834	-.378U						
.85U				-.U54U	-.U53U	-.U62U	
.857			-.U61U				
.865	-.264U						
.9UU	-.148U			.U14U			-.U2UU
.9U5			-.U17U				
.95U				.U49U	.U69U	.U41U	
.953			.UU8U				
.965	-.U38U						

AMES 11-7U7 OA12 OBA UPPER WING (RBPU43) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1910	-.3900	.1080	.2890	.3410	.3230	.3740
.050				.1410	.1160	.0480	.0290
.081			.0990				
.086		.0970					
.094	.1080						
.150				-.1580	-.2450	-.3300	-.3640
.177			-.0780				
.229	.0800						
.246		.0360					
.250				-.3000	-.3710	-.4220	-.4270
.362	.0220						
.400				-.3730	-.4560		-.5280
.402			-.2890				
.497	-.0750						
.550				-.3370	-.4200		
.585			-.2640				
.800							-.3200
.850						-.4680	
.700	-.1790				-.4400		
.725				-.1760			
.750						-.4120	-.2580
.780			-.3480				
.775				-.3370	-.3610		
.808			-.3360				
.834	-.2500						
.850				-.0940	-.0890	-.0360	
.857			-.1210				
.865	-.3050						
.900	-.1870			-.0140			.0310
.905			-.0410				
.950				.0470	.0650	.0760	
.953			.0180				
.965	-.0780						

MACH (1) = .900 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1010	-.2980	.1400	.2820	.2950	.2820	.3240
.050				.0820	.0500	-.0270	-.0480
.081			.0870				
.086		.0820					
.094	.0800						

AMES 11-707 OA12 OEA UPPER WING (RBPU43)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .909 BETA (2) = .000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.1780	-.2750	-.3580	-.3920
.177			-.0950				
.229	.0500						
.246		.0110					
.250				-.3310	-.3980	-.4390	-.4410
.362	.0080						
.400				-.4170	-.4910		-.5450
.402			-.3370				
.497	-.1010						
.550				-.3820	-.4510		
.585			-.3270				
.600							-.5350
.650						-.4880	
.700	-.2490				-.4670		
.725				-.1610			
.750						-.4290	-.2540
.780			-.4050				
.775				-.3760	-.3690		
.808			-.4080				
.834	-.3040						
.850				-.1180	-.0790	-.0470	
.857			-.1480				
.868	-.3350						
.900	-.2120			-.0290			.0930
.905			-.0520				
.950				.0390	.0640	.0730	
.953			.0410				
.965	-.0880						

MACH (1) = .907 BETA (3) = 5.270

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0490	-.1180	.1770	.2830	.2800	.2480	.2820
.050				.0330	-.0170	-.0810	-.1140
.081			.0330				
.088		.0410					
.094	.0810						
.150				-.1990	-.3030	-.3750	-.4210
.177			-.1130				
.229	.0390						
.246		-.0080					
.250				-.3480	-.4080	-.4490	-.4570
.362	-.0120						
.400				-.4380	-.5100		-.5590
.402			-.3810				
.497	-.1240						

AMES 11-707 OA12 OBA UPPER WING (RBPU43)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .897 BETA (3) = 5.270

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.4210	-.4680		
.565			-.3800				
.600							-.5380
.650						-.5000	
.700	-.3080				-.4900		
.725				-.1590			
.750						-.4330	-.2500
.760			-.4430				
.775				-.3950	-.3960		
.800			-.4390				
.834	-.3470						
.850				-.1320	-.0900	-.0520	
.857			-.1670				
.885	-.3540						
.900	-.2320			-.0410			.0330
.905			-.0890				
.950				.0840	.0580	.0700	
.953			.0070				
.965	-.0830						

MACH (2) = .887 BETA (1) = -4.980

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1290	-.3560	.2420	.4710	.4580	.4130	.3740
.050				.2440	.2130	.1510	.1240
.081			.2090				
.086		.1380					
.094	.1410						
.150				-.0850	-.1530	-.2650	-.3200
.177			.0130				
.229	.1100						
.246		.1250					
.250				-.2490	-.3340	-.3190	-.4680
.382	.0810						
.400				-.3240	-.4510		-.5930
.402			-.2330				
.497	.0030						
.550				-.3450	-.5030		
.565			-.2510				
.600							-.7580
.650						-.6290	
.700	-.1480				-.5600		
.725				-.1800			
.750						-.2800	-.3490
.760			-.3400				
.775				-.3590	-.2420		

AMES 11-FT OA12 OEA UPPER WING (RBPU43)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			-.4950				
.834	-.2670						
.850				-.2180	-.2010	-.2350	
.857			-.2270				
.865	-.4450						
.900	-.3010			-.1580			-.2580
.905			-.1650				
.950				-.0900	-.1150	-.1560	
.953			-.0860				
.965	-.0960						

MACH (2) = .888 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0570	-.2190	.2540	.3990	.3580	.3080	.2590
.050				.2010	.1640	.1070	.0780
.091			.1720				
.086		.0970					
.094	.1110						
.150				-.0670	-.1580	-.2750	-.3310
.177			.0150				
.229	.0870						
.246		.0890					
.250				-.2560	-.3520	-.3080	-.4690
.362	.0700						
.400				-.3560	-.4190		-.6170
.402			-.2320				
.497	-.0060						
.550				-.3880	-.5380		
.565			-.2990				
.600							-.7850
.650						-.6010	
.700	-.2190				-.6340		
.725				-.1710			
.750						-.2830	-.3440
.780			-.4380				
.775				-.3490	-.2560		
.808			-.3980				
.834	-.3530						
.850				-.2800	-.2480	-.2600	
.857			-.2780				
.885	-.3950						
.900	-.3300			-.2450			-.3230
.905			-.2310				
.950				-.1990	-.2230	-.2460	
.953			-.1890				

AMES 11-7X7 CA12 CBA UPPER WING (RBPU43)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.1960						

MACH (2) = .903 BETA (3) = 5.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0200	-.0890	.2420	.3430	.2600	.1980	.1540
.050				.1640	.1200	.0550	.0190
.081			.1490				
.086		.0720					
.094	.0980						
.150				-.0680	-.1540	-.2790	-.3440
.177			.0180				
.229	.0720						
.246		.0810					
.250				-.2270	-.3240	-.3100	-.4650
.362	.0800						
.400				-.3620	-.4180		-.6170
.402			-.2600				
.497	-.0030						
.550				-.4070	-.5510		
.565			-.3530				
.600							-.7840
.650						-.7070	
.700	-.2810				-.6820		
.725				-.1720			
.750						-.3070	-.3750
.780			-.5120				
.775				-.4040	-.2940		
.800			-.4170				
.834	-.4010						
.850				-.3440	-.2990	-.3010	
.857			-.3400				
.865	-.4400						
.900	-.3830			-.3050			-.3800
.905			-.3110				
.950				-.2820	-.2970	-.2870	
.953			-.2830				
.985	-.2720						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU44) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.0490 INCHES YMRP = .0000 INCHES
BREF = 30.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .397 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2010	-.4440	.0240	.1240	.1920	.0950	.0820
.050				.2550	.2490	.2320	.2250
.081			.1910				
.086		.1160					
.094	.1190						
.150				-.0490	-.0710	-.1020	-.1160
.177			.0270				
.229	.0930						
.246		.0010					
.250				-.1480	-.1730	-.1730	-.1770
.362	.0640						
.400				-.1580	-.1980		-.2280
.402			-.1060				
.497	.0120						
.550				-.0280	-.0500		
.585			.0020				
.600							.0410
.650						.1280	
.700	.0450				.2150		
.725				-.1290			
.750						.3240	.2300
.760			.2980				
.775				.3380	.3300		
.808			.3410				
.834	.2880						
.850				.2570	.2390	.2290	
.857			.2700				
.865	.2990						
.900	.2680			.2050			.1570
.905			.1920				
.950				.1520	.1520	.1580	
.953			.1180				
.965	.1000						

MACH (1) = .397 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1190	-.3030	.0630	.1380	.1260	.0[illegible]	.0100
.050				.2070	.1980	.1720	.1640
.081			.1620				
.086		.0780					
.094	.0870						

AMES 11-707 CM12 CRA UPPER WING (REPU44)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .587 BETA (2) = .080

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.150				-.1490	-.0990	-.1230	-.1410
.177			.0110				
.229	.0750						
.246		.0740					
.250				-.1650	-.1880	-.1830	-.1880
.362	.0440						
.400				-.1900	-.2130		-.2240
.402			-.1460				
.497	-.0130						
.550				-.0630	-.0730		
.565			-.0480				
.600							.0340
.650						.1210	
.700	-.0130				.1980		
.725				-.1160			
.750						.3070	.2190
.780			.2830				
.775				.3130	.3140		
.800			.3150				
.834	.2390						
.850				.2480	.2290	.2280	
.857			.2660				
.885	.2720						
.900	.2570			.1980			.1590
.905			.1790				
.950				.1440	.1470	.1590	
.953			.1040				
.965	.0820						

MACH (1) = .307 BETA (3) = 5.270

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.0510	-.1440	.1230	.1800	.1030	.0210	-.0170
.050				.1520	.1320	.1060	.1000
.081			.1150				
.086		.0360					
.094	.0680						
.150				-.0840	-.1220	-.1490	-.1690
.177			-.0170				
.229	.0570						
.246		.0480					
.250				-.1690	-.2100	-.2040	-.2000
.362	.0280						
.400				-.2150	-.2300		-.2370
.402			-.1890				
.497	-.0400						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU44)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (3) = 5.270

Y/BW	.298	.384	.427	.534	.673	.780	.887
X/CW							
.550				-.0940	-.0910		
.565			-.0080				
.600							.0260
.650						.1110	
.700	-.0700				.1830		
.725				-.1100			
.750						.2910	.2140
.780			.2370				
.775				.2980	.2970		
.808			.2930				
.834	.2100						
.850				.2330	.2180	.2190	
.857			.2320				
.865	.2490						
.900	.2150			.1840			.1640
.905			.1680				
.950				.1280	.1410	.1560	
.953			.0970				
.965	.0710						

MACH (2) = .903 BETA (1) = -4.980

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.1180	-.3500	.2420	.4690	.4550	.4090	.3610
.050				.2590	.2390	.1850	.1630
.081			.2250				
.086		.1450					
.094	.1420						
.150				-.0290	-.1100	-.2020	-.2640
.177			.0410				
.229	.1180						
.246		.1450					
.250				-.1970	-.2730	-.2760	-.3950
.362	.1040						
.400				-.2190	-.3650		-.2980
.402			-.1440				
.497	.0270						
.550				-.0800	-.0840		
.565			-.0230				
.600							.0650
.650						.1820	
.700	.0220				.2650		
.725				-.1470			
.750						.3550	.2910
.760			.3360				
.775				.3710	.3710		

AMES 11-7X7 OA12 OEA UPPER WING (REPU44)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (1) = -4.980

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.3850				
.834	.2980						
.850				.3090	.2800	.2700	
.857			.3150				
.865	.3420						
.900	.3100			.2290			.1790
.905			.2230				
.950				.1230	.1160	.1210	
.953			.1060				
.965	.0720						

MACH (2) = .982 BETA (2) = .080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0580	-.2110	.2350	.3960	.3510	.3000	.2310
.050				.2160	.1800	.1170	.0950
.081			.1810				
.086		.1030					
.094	.1070						
.150				-.0530	-.1350	-.2420	-.3080
.177			.0290				
.229	.0690						
.246		.1100					
.250				-.2160	-.3040	-.2930	-.4340
.382	.0750						
.400				-.2930	-.4030		-.5040
.402			-.2120				
.497	.0080						
.550				-.1590	-.1320		
.565			-.1390				
.800							.0870
.850						.1560	
.704	-.0980				.2280		
.725				-.1400			
.750						.3180	.2640
.760			.2750				
.775				.3500	.3310		
.808			.3360				
.834	.2340						
.850				.2760	.2580	.2500	
.857			.2740				
.865	.2880						
.900	.2560			.2010			.1590
.905			.1880				
.950				.0890	.1010	.1080	
.953			.0660				

AMES 11-FT OA12 OEA UPPER WING (RBPU44)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.965	.0300						

MACH (2) = .904 BETA (3) = 5.340

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0200	-.0870	.2610	.3340	.2460	.1830	.1340
.050				.1660	.1310	.0640	.0370
.081			.1630				
.086		.0800					
.094	.0500						
.150				-.0610	-.1400	-.2590	-.3300
.177			.0320				
.229	.0730						
.245		.0900					
.250				-.2210	-.3060	-.3070	-.4490
.362	.0590						
.400				-.3470	-.4070		-.6030
.402			-.2440				
.497	.0010						
.550				-.3570	-.3060		
.585			-.2780				
.600							.0630
.650						.1220	
.700	-.2300				.1680		
.725				-.1380			
.750						.2610	.2180
.760			.2280				
.775				.2830	.2640		
.808			.2910				
.834	.1690						
.850				.2470	.2370	.2290	
.857			.2370				
.865	.2360						
.900	.2020			.1820			.1320
.905			.1530				
.930				.0880	.0880	.0930	
.953			.0390				
.965	-.0080						

AMES 11-7X7 OA12 OEA UPPER WING (RBPU65) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (1) = -4.910

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1040	-.4010	.0760	.2300	.2740	.2340	.2560
.050				.2000	.1690	.1380	.1340
.081			.1510				
.086		.1100					
.094	.1110						
.150				-.0900	-.1560	-.2120	-.2350
.177			-.0240				
.229	.0650						
.246		.0650					
.250				-.2220	-.2670	-.2950	-.2920
.382	.0410						
.400				-.2650	-.3210		-.3550
.402			-.1940				
.497	-.0360						
.550				-.1740	-.2300		
.583			-.1240				
.600							-.2170
.650						-.1440	
.700	-.0680				-.0720		
.725				-.1450			
.750						-.0130	-.0180
.760			.0300				
.775				.0370	.0110		
.808			.0510				
.834	.0430						
.850				.0790	.0840	.0960	
.857			.0730				
.865	.0350						
.900	.0640			.0970			.1040
.905			.0790				
.950				.1070	.1150	.1510	
.953			.0780				
.965	.0370						

MACH (1) = .597 BETA (2) = .000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1030	-.2500	.1200	.2310	.2320	.1890	.2120
.050				.1460	.1240	.0740	.0640
.081			.1100				
.086		.0700					
.094	.0750						

AMES 11-7U7 OA12 O2A UPPER WING (RBPU45)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .397 BETA (2) = .090

Y/BW	.299	.384	.427	.534	.673	.780	.897
X/CW							
.150				-.1210	-.1940	-.2470	-.2630
.177			-.0490				
.229	.0550						
.246		.0410					
.250				-.2480	-.2970	-.3120	-.3160
.362	.0150						
.400				-.3030	-.3540		-.3980
.402			-.2490				
.497	-.0660						
.550				-.2210	-.2600		
.565			-.1940				
.600							-.2320
.650						-.1640	
.700	-.1360				-.0970		
.725				-.1310			
.750						-.0280	-.0200
.760			-.0190				
.775				.0040	-.0070		
.800			.0110				
.834	-.0090						
.850				.0620	.0690	.0910	
.857			.0440				
.865	-.0060						
.900	.0280			.0810			.1100
.905			.0520				
.950				.0990	.1150	.1300	
.953			.0640				
.965	.0190						

MACH (1) = .500 BETA (3) = 5.280

Y/BW	.299	.384	.427	.534	.673	.780	.897
X/CW							
.000	-.0530	-.1370	.1590	.2360	.2020	.1510	.1600
.050				.0850	.0480	.0040	-.0050
.081			.0690				
.086		.0400					
.094	.0470						
.150				-.1570	-.2330	-.2770	-.2990
.177			-.0760				
.229	.0380						
.246		.0110					
.250				-.2840	-.3240	-.3290	-.3310
.362	-.0080						
.400				-.3430	-.3810		-.4020
.402			-.2990				
.497	-.0950						

AMES 11-707 OA12 OA UPPER WING (REPUNS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .950 BETA (3) = 5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.2720	-.2910		
.565			-.2510				
.600							-.2380
.650						-.1780	
.700	-.2060				-.1160		
.725				-.1440			
.750						-.0490	-.0260
.760			-.0590				
.775				-.0260	-.0250		
.808			-.0290				
.834	-.0600						
.850				.0340	.0530	.0790	
.857			.0120				
.865	-.0410						
.900	-.0060			.0630			.1120
.905			.0350				
.950				.0870	.1090	.1290	
.953			.0470				
.965	-.0020						

MACH (2) = .901 BETA (1) = -5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1140	-.3430	.2420	.4740	.4590	.4120	.3660
.050				.2610	.2100	.1630	.1340
.081			.2010				
.086		.1320					
.094	.1320						
.150				-.0610	-.1480	-.2490	-.3090
.177			.0190				
.229	.1050						
.246		.1210					
.250				-.2400	-.3350	-.3030	-.4560
.382	.0880						
.400				-.3090	-.4490		-.5930
.402			-.2170				
.497	.0020						
.550				-.3220	-.4740		
.565			-.2150				
.600							-.6810
.650						-.1590	
.700	-.1200				-.0680		
.725				-.1740			
.750						.0240	.0490
.760			-.0020				
.775				.0400	.0310		

AMES 11-7U7 OA12 O2A UPPER WING (RBPU45)

SECTION / 1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) = -5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808			.0380				
.834	-.0460						
.850				.1000	.1120	.1330	
.857			.0860				
.865	.0240						
.900	.0690			.1180			.1310
.905			.0940				
.950				.1210	.1390	.1490	
.953			.0750				
.965	.0380						

MACH (2) = .902 BETA (2) = .090

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0480	-.1980	.2390	.4020	.3570	.3100	.2450
.050				.1980	.1700	.1030	.0750
.081			.1710				
.086		.0980					
.094	.1020						
.150				-.0650	-.1610	-.2720	-.3270
.177			.0160				
.229	.0800						
.246		.0990					
.250				-.2390	-.3340	-.3070	-.4690
.362	.0650						
.400				-.3580	-.4200		-.6100
.402			-.2490				
.497	-.0110						
.550				-.3910	-.5350		
.565			-.2960				
.600							-.7810
.650						-.6710	
.700	-.2220				-.3980		
.725				-.1600			
.750						-.0950	-.1270
.760			-.1800				
.775				-.0270	-.0400		
.808			-.0370				
.834	-.2020						
.850				.0600	.0750	.0730	
.857			.0310				
.865	-.0720						
.900	-.0030			.0910			.0900
.905			.0530				
.950				.1010	.1290	.1500	
.953			.0410				

AMES 11-7U7 OA12 OBA UPPER WING (RBPU45)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .9L0 BETA (2) = .L0L

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.985	.0000						

MACH (2) = .9L0 BETA (3) = 5.350

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.0150	-.0820	.2460	.3480	.2610	.1960	.1460
.050				.1580	.1170	.0[illegible]	.0220
.101			.1490				
.L06		.0750					
.L94	.0680						
.150				-.0750	-.1620	-.2750	-.3440
.177			.0180				
.229	.0720						
.246		.0840					
.250				-.2340	-.3330	-.3080	-.4680
.362	.0630						
.400				-.3710	-.4260		-.6290
.4L2			-.2650				
.497	-.0080						
.550				-.4140	-.5500		
.565			-.3560				
.6L0							-.7880
.650						-.7080	
.7L0	-.2840				-.8570		
.725				-.1580			
.750						-.2510	-.2140
.760			-.4470				
.775				-.3200	-.1880		
.8L0			-.3800				
.854	-.4080						
.850				-.0490	-.1070	-.0650	
.857			-.0690				
.865	-.2580						
.900	-.1080			.0490			-.0190
.905			.0070				
.950				.0800	.0870	.0650	
.955			.0570				
.985	-.0180						

AMES 11-FT CA12 CBA UPPER WING (RBPU46) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8450 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .810 ALPHA (1) =-15.050

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-1.9390	-1.1100	-1.1120	-1.4750	-1.2000	-1.0700	-.5060
.050				.5430	.5070	.4080	.4120
.081			.4710				
.086		.0190					
.094	.2130						
.150				.3440	.3150	.2800	.2070
.177			.3700				
.229	.2820						
.246		.3110					
.250				.1980	.1320	.1130	.0440
.362	.3230						
.400				-.0250	-.0550		-.1510
.402			.0180				
.497	.2130						
.550				-.0730	-.1140		
.565			-.0420				
.600							-.1080
.650						-.1170	
.700	-.0040				-.0880		
.725				-.1440			
.750						-.0610	-.0770
.780			.0150				
.775				.0000	-.0330		
.800			.0180				
.804	.0420						
.850				.0250	-.0080	-.0130	
.857			.0290				
.885	.0250						
.900	.0450			.0200			-.0580
.905			.0170				
.950				.0050	-.0290	-.0080	
.955			-.0050				
.985	-.0030						

MACH (1) = .900 ALPHA (2) =-10.490

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.8470	-1.1810	-.6240	-.7680	-.5960	-.7790	-.6820
.050				.4500	.4120	.3850	.3280
.091			.3740				
.098		.0580					
.094	.1450						

AMES 11-7D7 OA12 OBA UPPER WING (REPU46)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 ALPHA (2) =-10.490

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.1700	.1330	.0980	.0540
.177			.2100				
.289	.1680						
.246		.2070					
.250				-.0110	-.0390	-.0480	-.0870
.362	.1830						
.400				-.1540	-.1900		-.2420
.402			-.1080				
.497	.0950						
.550				-.1420	-.1790		
.565			-.1170				
.614							-.2070
.650						-.1320	
.700	-.0880				-.1810		
.725				-.1400			
.750						-.0450	-.0420
.780			.0000				
.775				.0020	-.0140		
.808			.0110				
.834	.0130						
.850				.0500	.0420	.0500	
.857			.0400				
.865	.0040						
.900	.0870			.0820			.0410
.908			.0450				
.950				.0780	.0580	.0510	
.953			.0450				
.965	.0120						

MACH (1) = .989 ALPHA (3) = -5.200

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1080	-.4470	-.0180	.0250	.0710	-.0050	.0190
.050				.2400	.2040	.1700	.1580
.081			.1840				
.088		.0720					
.094	.0800						
.150				-.0450	-.1170	-.1510	-.1820
.177			.0180				
.229	.0800						
.246		.0830					
.250				-.1980	-.2310	-.2470	-.2570
.362	.0340						
.400				-.2720	-.3180		-.3550
.402			-.2180				
.497	-.0280						

AMES 11-FT OA12 OA UPPER WING (RBPU46)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA (3) = -5.210

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.2100	-.2430		
.565			-.1790				
.600							-.2300
.650						-.1540	
.700	-.1220				-.0900		
.725				-.1280			
.750						-.0310	-.0200
.760			-.0140				
.775				.0010	-.0080		
.808			.0100				
.834	-.0080						
.850				.0580	.0860	.0670	
.857			.0400				
.865	-.0080						
.900	.0270			.0790			.1030
.905			.0520				
.950				.0820	.1110	.1240	
.953			.0570				
.965	.0140						

MACH (1) = .999 ALPHA (4) = .000

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.0550	.0040	.2950	.4910	.4550	.4540	.3900
.050				-.1880	-.2200	-.3080	-.3070
.081			-...420				
.086		.0220					
.094	.0230						
.150				-.3520	-.4580	-.5380	-.5500
.177			-.2470				
.229	-.0150						
.245		-.1070					
.250				-.4290	-.4870	-.5100	-.5030
.362	-.1030						
.400				-.4070	-.4620		-.4800
.402			-.3310				
.497	-.1730						
.550				-.2650	-.3070		
.565			-.2320				
.600							-.2690
.650						-.1840	
.700	-.1770				-.1090		
.725				-.1510			
.750						-.0350	-.0270
.760			-.0280				
.775				.0000	-.0140		

AMES 11-7ft OA12 CBA UPPER WING (REPUNS)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .999 ALPHA (4) = .030

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000			.0420				
.034	-.0330						
.050				.0580	.0680	.0690	
.057			.0400				
.065	-.0130						
.900	.0180			.0770			.1090
.905			.0540				
.950				.1020	.1210	.1320	
.953			.0670				
.985	.0190						

MACH (2) = .900 ALPHA (1) =-18.300

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.9850	-.6040	-.5020	-.4820	-.4270	-.3210	-.8030
.050				.6320	.5590	.5110	.4130
.091			.5780				
.096		.1410					
.094	.2980						
.150				.4190	.3550	.3010	.2120
.177			.4800				
.229	.3520						
.246		.4030					
.250				.2280	.1780	.1330	.0380
.302	.3870						
.406				.0170	-.0410		-.2070
.402			.0790				
.407	.3150						
.550				-.0480	-.1580		
.565			-.0380				
.600							-.3320
.650						-.1900	
.700	.0230				-.1110		
.705				-.1500			
.750						-.0650	-.0330
.760			.0170				
.775				-.0380	-.0370		
.800			.0180				
.854	.0380						
.850				.0470	.0400	.0550	
.897			.0440				
.865	.0190						
.900	.0550			.0370			.0580
.949			.0280				
.950				.0090	.0080	.0250	
.953			-.0270				

AMES 11-FT OA12 OA2A UPPER WING (RDPU46)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .910 ALPHA (1) =-16.390

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	-.0330						

MACH (2) = .901 ALPHA (2) =-10.640

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.6500	-.7580	-.2220	-.0880	-.0500	-.1600	-.1890
.050				.5140	.4500	.3980	.3220
.081			.4840				
.086		.1280					
.094	.2070						
.150				.2410	.1670	.1050	.0430
.177			.2980				
.229	.2170						
.246		.2890					
.250				.0430	-.0250	-.0800	-.1570
.362	.2510						
.400				-.1450	-.2280		-.3080
.402			-.0670				
.497	.1880						
.550				-.2310	-.3400		
.565			-.1780				
.600							-.8040
.650						-.5000	
.700	-.1000				-.2880		
.725				-.1880			
.750						-.1130	-.0820
.760			-.0840				
.775				-.0670	-.0950		
.808			-.0440				
.834	-.0700						
.850				.0120	.0110	.0340	
.857			.0020				
.865	-.0550						
.900	.0000			.0220			.0450
.905			.0050				
.950				.0080	-.0080	.0030	
.953			-.0210				
.965	-.0330						

MACH (2) = .900 ALPHA (3) = -5.340

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1310	-.3980	.1340	.3110	.2720	.2020	.1430
.050				.2950	.2440	.1900	.1430
.081			.2970				
.086		.1080					
.094	.1210						

AMES 11-707 OA12 OEA UPPER WING (SUPCRB)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (3) = -5.380

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.0120	-.0720	-.1580	-.2490
.177			.0830				
.229	.1100						
.246		.1510					
.250				-.1670	-.2570	-.2580	-.3930
.362	.1080						
.400				-.2950	-.4060		-.5060
.402			-.2100				
.497	.0380						
.550				-.3660	-.4890		
.585			-.2940				
.630							-.7750
.650						-.6540	
.700	-.2000				-.2820		
.725				-.1550			
.750						-.0530	-.0660
.780			-.1320				
.775				-.0150	-.0210		
.800			-.0340				
.834	-.1490						
.850				.0850	.0910	.1040	
.857			.0320				
.865	-.0510						
.900	.0080			.0880			.1150
.903			.0530				
.950				.0980	.1540	.1470	
.953			.0430				
.965	.0040						

MACH (2) = .900 ALPHA (4) = .080

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0240	.0240	.3600	.5520	.5040	.4850	.4200
.050				-.0970	-.1140	-.2070	-.2540
.081			-.1010				
.086		.0510					
.094	.0570						
.150				-.2910	-.4210	-.5520	-.6540
.177			-.1730				
.229	.0800						
.246		-.0390					
.250				-.4390	-.5690	-.6110	-.7300
.362	-.0430						
.400				-.4430	-.5600		-.7390
.402			-.3650				
.497	-.1380						

AMES 11-7u7 OA12 C2A UPPER WING (RBPU46)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 ALPHA (4) = .u6u

Y/BW / X/CW	.299	.384	.427	.534	.673	.78u	.887
.550				-.4470	-.6040		
.565			-.3840				
.6u9							-.8330
.650						-.7430	
.700	-.2900				-.5970		
.725				-.1520			
.750						-.1660	-.1940
.760			-.2800				
.775				-.u75u	-.u63u		
.8u8			-.u65u				
.834	-.2950						
.850				.u4ou	.u82u	.u49u	
.857			.u23u				
.865	-.u8ou						
.9uo	-.u12u			.u92u			.u89u
.9u5			.u58u				
.950				.1u2u	.127u	.135u	
.953			.u85u				
.965	.u28u						

AMES 11-7ft OA12 CCA UPPER WING (BBPU47) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = -5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.300

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4900	-.8910	-.1720	.0290	.1930	.1080	.1400
.050				.3610	.3400	.2980	.2850
.081			.2800				
.086		.1620					
.094	.1680						
.150				.0250	-.0410	-.0970	-.1160
.177			.0700				
.229	.1440						
.246		.1590					
.250				-.1270	-.1770	-.2080	-.2120
.362	.1200						
.400				-.1920	-.2610		-.3100
.402			-.1140				
.497	.0420						
.550				-.1140	-.1810		
.565			-.0580				
.600							-.2100
.650						-.1150	
.700	.0120				-.0450		
.725				-.1320			
.750						.0000	-.0100
.760			.0710				
.775				.0840	.0250		
.808			.0820				
.834	.0850						
.850				.1020	.0940	.1000	
.857			.0980				
.865	.0870						
.900	.0830			.1030			.0940
.905			.0910				
.950				.1000	.1080	.1150	
.953			.0760				
.965	.0480						

MACH (1) = .997 BETA (2) = -5.180

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3160	-.8530	-.0890	.0200	.1260	.0600	.0700
.050				.2930	.2660	.2270	.2110
.081			.2250				
.086		.1030					
.094	.1190						

AMES 11-7U7 OA12 OEA UPPER WING (RBPU47)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (2) = -5.190

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				-.0190	-.0660	-.1370	-.1570
.177			.0340				
.229	.1020						
.246		.1100					
.250				-.1700	-.2070	-.2340	-.2420
.362	.0760						
.400				-.2370	-.2990		-.3480
.402			-.1750				
.497	-.0020						
.550				-.1670	-.2190		
.565			-.1230				
.614							-.2280
.650						-.1410	
.700	-.0640				-.0710		
.725				-.1390			
.750						-.0210	-.0180
.760			.0250				
.775				.0270	.0040		
.808			.0990				
.834	.0340						
.850				.0750	.0740	.0670	
.857			.0650				
.865	.0680						
.900	.0580			.0880			.0970
.905			.0700				
.950				.0950	.1080	.1190	
.953			.0850				
.965	.0240						

MACH (1) = .597 BETA (3) = 5.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1010	-.2900	.0400	.0480	.0150	-.0420	-.0200
.050				.1720	.1400	.1030	.0760
.081			.1470				
.086		.0430					
.094	.0680						
.150				-.0830	-.1430	-.1940	-.2160
.177			-.0080				
.229	.0800						
.246		.0570					
.250				-.2290	-.2680	-.2780	-.2840
.362	.0300						
.400				-.3150	-.3360		-.3740
.402			-.2820				
.497	-.0580						

AMES 11-707 OA12 OBA UPPER WING (RBPU47)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (3) = 5.000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.550				-.2530	-.2700		
.565			-.2340				
.600							-.2350
.650						-.1710	
.700	-.1840				-.1120		
.725				-.1450			
.750						-.0430	-.0250
.780			-.0550				
.775				-.0270	-.0300		
.800			-.0220				
.834	-.0320						
.850				.0350	.0470	.0750	
.857			.0440				
.865	-.0420						
.910	-.0040			.0800			.1030
.915			.0340				
.950				.0810	.1080	.1220	
.953			.0450				
.965	.0010						

MACH (1) = .900 BETA (4) = 10.000

Y/BW / X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0380	-.0870	.1300	.1330	.0800	.0280	.0280
.080				.1080	.0680	.0310	.0480
.084			.0850				
.096		.0570					
.104	.0270						
.150				-.1190	-.1060	-.2210	-.2500
.177			-.0370				
.220	.0440						
.240		.0300					
.250				-.2930	-.2890	-.2910	-.2940
.302	.0120						
.410				-.3360	-.3520		-.3650
.402			-.2970				
.407	-.0820						
.550				-.2780	-.2840		
.565			-.2730				
.600							-.2230
.650						-.1670	
.700	-.2300				-.1560		
.725				-.1440			
.750						-.0440	-.0190
.780			-.0730				
.775				-.0380	-.0350		

AMES 11-7ft OA12 OEA UPPER WING (RDPU47)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.808			-.0480				
.834	-.0750						
.850				.0250	.0490	.0750	
.857			.0430				
.865	-.0470						
.900	-.0110			.0580			.1110
.905			.0250				
.950				.0880	.1120	.1280	
.953			.0470				
.965	.0070						

MACH (2) = .800 BETA (1) =-10.440

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-.4070	-.6960	.1120	.4460	.4820	.4360	.3950
.050				.3970	.3680	.3110	.2750
.081			.3450				
.086		.2070					
.094	.2050						
.150				.0810	-.0190	-.1050	-.1790
.177			.1240				
.229	.1840						
.245		.2270					
.250				-.1280	-.2120	-.2410	-.3290
.362	.1090						
.400				-.2050	-.3710		-.4830
.402			-.1180				
.497	.0870						
.550				-.1610	-.3070		
.565			-.0820				
.600							-.6110
.650						-.1290	
.700	.0070				-.0320		
.725				-.1700			
.750						.0400	.0580
.760			.0980				
.775				.0920	.0800		
.808			.1070				
.834	.0940						
.850				.1480	.1380	.1550	
.857			.1440				
.865	.1010						
.900	.1400			.1500			.1560
.905			.1400				
.950				.1450	.1610	.1670	
.953			.1110				

AMES 11-7X7 OA12 OBA UPPER WING (OSP0077)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (1) =-10.440

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.968	.0840						

MACH (2) = .904 BETA (2) = -5.270

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.000	-.2480	-.5910	.1200	.3780	.3780	.3210	.2650
.050				.3420	.3020	.2400	.2090
.081			.2980				
.086		.1440					
.094	.1510						
.150				.1280	-.	-.1420	-.2190
.177			.1100				
.229	.1380						
.246		.1840					
.250				-.1580	-.2470	-.2910	-.3770
.362	.1410						
.400				-.2600	-.3990		-.5520
.462			-.1770				
.497	.0630						
.550				-.2830	-.4170		
.565			-.2010				
.600							-.7110
.650						-.2560	
.700	-.1070				-.0910		
.725				-.1620			
.750						.0120	.0530
.780			-.0080				
.775				.0320	.0800		
.808			.0430				
.834	-.0080						
.850				.1020	.1110	.1380	
.857			.0850				
.865	.0210						
.900	.0700			.1270			.1470
.905			.0980				
.950				.1280	.1440	.1650	
.953			.0799				
.965	.0370						

MACH (2) = .902 BETA (3) = 5.070

X/CW \ Y/BW	.299	.384	.427	.534	.673	.780	.887
.000	-.0520	-.2370	.1530	.2420	.1570	.0840	.0050
.050				.2520	.1990	.1470	.0830
.081			.2330				
.086		.0830					
.094	.1070						

AMES 11-7U7 OA12 OA UPPER WING (RBPU47)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (3) = 5.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150				.0010	-.0610	-.1640	-.2510
.177			.0680				
.229	.0980						
.246		.1300					
.250				-.1640	-.2570	-.2650	-.3910
.362	.0980						
.400				-.3230	-.3990		-.5950
.402			-.2220				
.497	.0350						
.550				-.4000	-.5160		
.565			-.3330				
.600							-.7090
.650						-.7000	
.700	-.2580				-.6440		
.725				-.1600			
.750						-.2680	-.2190
.760			-.4240				
.775				-.2910	-.2820		
.808			-.2440				
.834	-.3980						
.850				-.0450	-.0340	-.0730	
.857			-.0880				
.865	-.2320						
.900	-.1080			.0230			-.0820
.905			-.0010				
.950				.0570	.0890	.4 120	
.953			.0210				
.965	-.0140						

MACH (2) = .888 BETA (4) = 10.220

Y/BW	.099	.364	.427	.534	.673	.780	.887
X/CW							
.000	.0150	-.0620	.1940	.2210	.0880	-.0070	-.0970
.050				.2070	.1420	.0920	.0440
.081			.2030				
.086		.0750					
.094	.1040						
.150				-.0110	-.0990	-.1730	-.2620
.177			.0780				
.229	.0900						
.246		.1080					
.250				-.1640	-.2800	-.2730	-.3990
.362	.0870						
.400				-.3280	-.3990		-.5920
.402			-.2280				
.497	.0280						

AMES 11-FT CA12 CRA UPPER WING (REPUN47)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 10.220

Y/BM / X/CM	.299	.384	.427	.534	.673	.780	.867
.580				-.4220	-.5260		
.968			-.3820				
.800							-.7700
.850						-.7120	
.700	-.2970				-.6640		
.725				-.1780			
.750						-.3850	-.2140
.760			-.4780				
.775				-.5080	-.5280		
.808			-.5480				
.834	-.4480						
.850				-.1880	-.1050	-.1280	
.867			-.1950				
.866	-.4210						
.900	-.2560			-.0380			-.0910
.905			-.0430				
.950				.0360	.0480	.0250	
.965			.0220				
.988	-.0450						

AMES 11-7U7 OA12 OEA UPPER WING (RDPU48) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 59.8490 INCHES YMRP = .0000 INCHES
BREF = 59.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.200

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.4230	-1.6420	-.7830	-.6270	-.3920	-.6030	-.4390
.050				.5710	.5470	.5190	.4650
.081			.4700				
.086		.1610					
.094	.2220						
.150				.2480	.1990	.1610	.1130
.177			.2680				
.229	.2440						
.246		.2940					
.250				.0570	.0210	-.0030	-.0360
.362	.2800						
.460				-.0720	-.1330		-.1950
.482			-.0080				
.497	.1670						
.550				-.0800	-.1200		
.585			-.0080				
.600							-.1730
.650						-.0880	
.700	.0570				-.0920		
.725				-.1580			
.750						-.0110	-.0170
.760			.0740				
.775				.0510	.0200		
.808			.0780				
.834	.0890						
.850				.0630	.0610	.0600	
.857			.0810				
.865	.0850						
.900	.0880			.0700			.0490
.905			.0870				
.950				.0520	.0460	.0420	
.953			.0410				
.965	.0150						

MACH (1) = .598 BETA (2) = -5.180

Y/BW	.299	.384	.427	.534	.673	.780	.887
X/CW							
.000	-1.1160	-1.4090	-.7130	-.6600	-.5280	-.6970	-.5750
.050				.5090	.4810	.4570	.3950
.081			.4210				
.086		.1040					
.094	.1780						

AMES 11-7D7 OA12 OEA UPPER WING (RDPU48)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (2) = -5.1RU

Y/BW	.299	.384	.427	.534	.673	.780	.897
X/CW							
.150				.2080	.1660	.1430	.0930
.177			.2400				
.229	.2030						
.246		.2490					
.250				.0270	-.0100	-.0280	-.0540
.362	.2190						
.400				-.1080	-.1510		-.2210
.402			-.0590				
.497	.1290						
.550				-.1020	-.1460		
.565			-.0630				
.600							-.1810
.650						-.1130	
.700	-.0040				-.0540		
.725				-.1380			
.750						-.0250	-.0250
.780			.0880				
.775				.0310	.0050		
.808			.0480				
.834	.0870						
.850				.0870	.0530	.0570	
.857			.0480				
.868	.0080						
.900	.0080			.0700			.0430
.905			.0810				
.950				.0080	.0530	.0470	
.953			.0510				
.985	.0870						

MACH (1) = .907 BETA (3) = 5.080

Y/BW	.299	.384	.427	.534	.673	.780	.897
X/CW							
.000	-.5710	-.8870	-.4700	-.7810	-.8400	-.8380	-.7450
.050				.3090	.3420	.3180	.2540
.081			.3330				
.088		.0390					
.094	.1310						
.150				.1380	.0910	.0690	.0240
.177			.1820				
.229	.1580						
.246		.1810					
.250				-.0380	-.0620	-.0710	-.1040
.362	.1650						
.400				-.1060	-.1980		-.2470
.402			-.1400				
.497	.0890						

AMES 11-7U7 OA12 OEA UPPER WING (RDPU48)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (3) = 5.UEU

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.550				-.1780	-.1980		
.565			-.1570				
.610							-.1990
.650						-.1340	
.714	-.1180				-.0950		
.725				-.1380			
.730						-.0380	-.0340
.760			-.0810				
.775				-.0890	-.0170		
.810			.0040				
.834	-.0140						
.850				.0480	.0500	.0800	
.857			.0310				
.865	-.0090						
.910	.0290			.0980			.0590
.918			.0470				
.950				.0810	.0800	.0830	
.953			.0510				
.965	.0880						

MACH (1) = .989 BETA (4) = 10.1EU

Y/BW / X/CW	.299	.384	.427	.534	.673	.780	.887
.000	-.2780	-.5440	-.8040	-.6870	-.6230	-.8080	-.7490
.050				.3220	.2690	.2480	.1910
.081			.2900				
.088		.0950					
.094	.1180						
.150				.0800	.0420	.0190	-.0150
.177			.1320				
.229	.1240						
.246		.1570					
.250				-.0720	-.0980	-.1040	-.1340
.362	.1210						
.400				-.2170	-.2200		-.2570
.402			-.1780				
.497	.0290						
.550				-.2100	-.2150		
.565			-.1990				
.600							-.2000
.650						-.1380	
.700	-.1750				-.0980		
.725				-.1950			
.750						-.0410	-.0290
.760			-.0400				
.775				-.0220	-.0210		

AMES 11-7D7 OA12 OEA UPPER WING (RBPU49)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (4) = 10.120

Y/B/ X/C/	.299	.364	.427	.534	.673	.780	.887
.808			-.0140				
.834	-.0310						
.850				.0380	.0490	.0680	
.857			.0220				
.865	-.0100						
.910	.0880			.0840			.0780
.905			.0440				
.950				.0880	.0880	.1070	
.953			.0840				
.965	.0380						

MACH (2) = .901 BETA (1) =-10.480

Y/B/ X/C/	.299	.364	.427	.534	.673	.780	.887
.000	-.0680	-.9250	-.2020	.1000	.1980	.1190	.0820
.050				.6250	.5850	.5370	.4730
.081			.5490				
.086		.2410					
.094	.2910						
.150				.3010	.2400	.1770	.0970
.177			.3380				
.222	.2980						
.246		.3710					
.250				.1020	.0410	-.0020	-.0750
.382	.3220						
.400				-.0490	-.1510		-.2980
.402			.0930				
.497	.2480						
.530				-.0710	-.1850		
.565			.0060				
.600							-.2930
.650						-.1470	
.700	.0950				-.0630		
.725				-.1700			
.750						-.0170	-.0050
.780			.0880				
.775				.0800	.0180		
.808			.0820				
.834	.1150						
.850				.0980	.0780	.0870	
.857			.1100				
.865	.0830						
.900	.1130			.0830			.0840
.905			.0820				
.950				.0930	.0170	.0910	
.953			.0230				

AMES 11-FT OA12 OEA UPPER WING (RBPU48)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.480

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.965	.0230						

MACH (2) = .898 BETA (2) = -5.270

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.7730	-.8350	-.2180	.0230	.0810	-.0140	-.0610
.050				.5680	.5150	.4650	.3970
.081			.4980				
.086		.1780					
.094	.2430						
.150				.2670	.1990	.1400	.0630
.177			.3080				
.229	.2470						
.246		.3220					
.250				.0880	.1040	-.0350	-.1210
.362	.2780						
.400				-.1000	-.1980		-.3420
.442			-.0270				
.497	.2080						
.550				-.1580	-.2810		
.585			-.0800				
.600							-.5530
.650						-.3110	
.700	-.0050				-.1320		
.725				-.1750			
.750						-.0800	-.0880
.760			.0010				
.775				-.0060	-.0370		
.800			.0180				
.834	.0180						
.850				.0900	.0420	.0560	
.857			.0550				
.885	.0130						
.900	.0540			.0450			.0800
.905			.0480				
.950				.0130	.0000	.0110	
.953			-.0030				
.985	-.0180						

MACH (2) = .904 BETA (3) = 9.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.4540	-.8080	-.1750	-.1720	-.1790	-.3160	-.2970
.050				.4570	.3750	.3270	.2400
.081			.4250				
.086		.1050					
.094	.1890						

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AMES 11-707 CA12 CBA UPPER WING (RBPU49)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (3) = 5.110

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.180				.2130	.1280	.0710	-.0250
.177			.2810				
.229	.2070						
.246		.2800					
.250				.0270	-.0480	-.0900	-.2010
.362	.2280						
.400				-.1790	-.2580		-.4300
.402			-.0820				
.487	.1630						
.550				-.3100	-.3990		
.565			-.2820				
.600							-.6690
.650						-.5900	
.700	-.1980				-.5330		
.725				-.1630			
.750						-.3280	-.1570
.780			-.2470				
.775				-.1450	-.1780		
.808			-.1120				
.834	-.2470						
.850				-.0290	-.0880	-.0150	
.867			-.0360				
.885	-.1380						
.900	-.0800			.0080			.0250
.905			-.0080				
.950				.0430	.0000	-.0080	
.953			-.0060				
.985	-.0130						

MACH (2) = .900 BETA (4) = 10.300

Y/Bw	.299	.364	.427	.534	.673	.780	.887
X/Cw							
.100	-.1980	-.4830	-.1230	-.2800	-.2930	-.4580	-.4220
.050				.3940	.3020	.2570	.1700
.101			.3740				
.098		.1040					
.094	.1730						
.150				.1040	.0980	.0370	-.0530
.177			.2850				
.229	.1830						
.246		.2580					
.250				.0150	-.0850	-.1130	-.2190
.362	.1970						
.400				-.1930	-.2720		-.4390
.402			-.1040				
.487	.1440						

AMES 11-7X7 OA12 OEA UPPER WING (RBPU49)

SECTION (1)UPPER WING DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 10.300

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550				-.3450	-.4280		
.565			-.3070				
.610							-.6790
.650						-.6030	
.700	-.2430				-.5590		
.725				-.1780			
.750						-.6010	-.4200
.780			-.4020				
.775				-.4430	-.5390		
.810			-.4260				
.834	-.3080						
.850				-.1410	-.1250	-.1190	
.857			-.1300				
.865	-.3420						
.910	-.1550			-.0330			-.0490
.905			-.0250				
.950				.0120	.0010	-.0480	
.953			.0180				
.965	.0010						

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPVU1) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.0490 INCHES YMRP = .0000 INCHES
BREF = 30.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .800 ALPHA (1) = -4.410

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.4870	.4750	.4180	.4820	.3390
.050	.0140	-.1880	-.2780	-.2700	-.0830
.150	-.1070	-.0650	-.1080	-.1110	-.1060
.300	-.0740	-.1350	-.1700	-.1680	-.1530
.520	-.2510	-.3000	-.3480	-.3370	-.3270
.650	-.3300	-.4810	-.4980	-.4300	-.4080
.775	-.1680	-.2200	-.2150	-.1780	-.1310
.900		-.1420	-.1110	-.0670	-.0340

MACH (1) = .900 ALPHA (2) = .080

Z/BV	.150	.316	.810	.840	.925
X/CV					
.000	.4980	.4190	.3510	.4080	.2540
.080	.0000	-.2270	-.2980	-.2820	-.1080
.150	-.0480	-.0770	-.1160	-.1280	-.1060
.300	-.1080	-.1570	-.1810	-.1820	-.1800
.520	-.2810	-.3130	-.3440	-.3340	-.3250
.650	-.3880	-.4520	-.4880	-.4130	-.3880
.775	-.1680	-.2250	-.2170	-.1750	-.1280
.900		-.1430	-.1140	-.0620	-.0320

MACH (1) = .[illegible] (3) = 5.080

Z/BV	.150	.316	.810	.840	.925
X/CV					
.000	.3700	.3680	.2780	.3290	.1740
.050	-.0570	-.2400	-.2980	-.2870	-.1280
.150	-.0890	-.1020	-.1320	-.1390	-.1130
.300	-.1380	-.1740	-.1880	-.1900	-.1680
.520	-.2590	-.3130	-.3370	-.3280	-.3100
.650	-.3000	-.4390	-.4990	-.3910	-.3570
.775	-.1720	-.2290	-.2210	-.1720	-.1180
.900		-.1490	-.1280	-.0830	-.0290

MACH (1) = .800 ALPHA (4) = 10.040

Z/BV	.150	.316	.830	.840	.925
X/CV					
.000	.3350	.3290	.2220	.2720	.1040
.050	-.1050	-.1310	-.2550	-.2540	-.1200
.150	-.1240	-.1220	-.1420	-.1440	-.1210
.300	-.1590	-.1880	-.1950	-.1840	-.1660
.520	-.2810	-.3180	-.3390	-.3100	-.2880
.650	-.3210	-.4400	-.4490	-.3650	-.3510
.775	-.1800	-.2360	-.2170	-.1610	-.1130
.900		-.1670	-.1260	-.0630	-.0310

AMES 11-7D7 OA12 CBA LEFT VERTICAL (RBPV01)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHA (5) = 15.020

Z/BV	.158	.316	.500	.840	.925
X/CV					
.000	.3270	.2870	.1710	.2160	.0810
.050	-.1550	-.1800	-.2910	-.2630	-.1390
.150	-.1720	-.1630	-.1620	-.1530	-.1320
.300	-.2090	-.2220	-.2140	-.1970	-.1710
.520	-.3320	-.3540	-.3410	-.3100	-.2790
.650	-.3750	-.4920	-.4510	-.3570	-.3130
.775	-.2140	-.2700	-.2290	-.1590	-.1080
.900		-.2140	-.1360	-.0630	-.0190

MACH (1) = .599 ALPHA (6) = 20.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3850	.2870	.1350	.1790	.0070
.050	-.2010	-.1900	-.2560	-.2390	-.1170
.150	-.2170	-.1830	-.1600	-.1570	-.1390
.300	-.2490	-.2480	-.2310	-.1950	-.1700
.520	-.3780	-.3820	-.3540	-.2980	-.2680
.650	-.4180	-.5550	-.4660	-.3470	-.3020
.775	-.2530	-.3070	-.2400	-.1600	-.1060
.900		-.2520	-.1400	-.0610	-.0180

MACH (1) = .597 ALPHA (7) = 22.580

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4440	.3180	.1180	.1610	-.0040
.050	-.2370	-.2010	-.2230	-.2410	-.1150
.150	-.2400	-.1850	-.1800	-.1630	-.1400
.300	-.2670	-.2580	-.2380	-.1980	-.1780
.520	-.4120	-.4010	-.3640	-.3050	-.2750
.650	-.4680	-.6090	-.4730	-.3470	-.2990
.775	-.2910	-.3450	-.2440	-.1710	-.1110
.900		-.2920	-.1540	-.0710	-.0260

MACH (2) = .908 ALPHA (1) = -4.580

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4900	.4540	.4240	.4870	.2920
.050	.0050	-.2610	-.3260	-.3230	-.1910
.150	-.0440	-.0660	-.0870	-.1350	-.1260
.300	-.1110	-.1340	-.1430	-.1900	-.1630
.520	-.2340	-.2690	-.3060	-.2550	-.3140
.650	-.4250	-.6820	-1.0940	-1.1010	-.7020
.775	-.2030	-.3740	-.5690	-.5290	-.3900
.900		-.1940	-.2570	-.4110	-.2510

MACH (2) = .901 ALPHA (2) = -.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4010	.3050	.3430	.4090	.2020
.050	-.0860	-.3480	-.3460	-.3330	-.2270
.150	-.1580	-.1420	-.1160	-.1620	-.1530
.300	-.2060	-.1760	-.1620	-.2190	-.1850

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPVU1)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (2) = -.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2590	-.2670	-.3330	-.2940	-.3470
.550	-.3570	-.5930	-1.1000	-.9990	-.6150
.775	-.2120	-.3390	-.4830	-.4390	-.3320
.900		-.1920	-.2110	-.3100	-.2220

MACH (2) = .904 ALPHA (3) = 4.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2690	.2440	.2690	.3300	.1080
.050	-.1850	-.3660	-.3080	-.3170	-.2720
.150	-.2520	-.1750	-.1240	-.1810	-.1680
.300	-.2790	-.1840	-.1630	-.2480	-.2070
.520	-.2530	-.2540	-.3410	-.3230	-.3710
.650	-.3100	-.5200	-1.0900	-.6120	-.4520
.775	-.1920	-.2930	-.4440	-.4120	-.2650
.900		-.1760	-.1830	-.3170	-.1850

MACH (2) = .906 ALPHA (4) = 9.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2800	.2050	.2690	.2420	.0240
.050	-.2250	-.3520	-.3080	-.3070	-.2810
.150	-.2730	-.2160	-.1500	-.2010	-.1920
.300	-.2920	-.2320	-.1930	-.2500	-.2240
.520	-.2860	-.2690	-.3580	-.3420	-.3950
.650	-.2840	-.4740	-1.0270	-.5880	-.3680
.775	-.2030	-.2960	-.3620	-.4130	-.2360
.900		-.1860	-.2030	-.2810	-.1300

MACH (2) = .901 ALPHA (5) = 14.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3490	.1490	.0280	.2050	-.0250
.050	-.3810	-.5050	-.5030	-.3040	-.3100
.150	-.3560	-.3870	-.1840	-.2100	-.2050
.300	-.4480	-.3970	-.1880	-.2640	-.2410
.520	-.4130	-.2750	-.3570	-.3650	-.4160
.650	-.3240	-.4100	-.9850	-.6150	-.3790
.775	-.2480	-.3120	-.3660	-.4050	-.2270
.900		-.2390	-.2320	-.2040	-.1080

MACH (2) = .900 ALPHA (6) = 20.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4400	.2050	.0280	.1640	-.0770
.050	-.7140	-.7360	-.4160	-.2920	-.2640
.150	-.4380	-.4610	-.1020	-.2130	-.2460
.300	-.5230	-.5380	-.1560	-.2890	-.2890
.520	-.4970	-.2860	-.3460	-.4160	-.4630

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPVU1)

SECTION # 1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9UU ALPHA (6) = 2U.U2U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.65U	-.44UU	-.6820	-1.U84U	-.6910	-.39UU
.775	-.314U	-.369U	-.516U	-.49UU	-.29UU
.9UU		-.255U	-.343U	-.312U	-.174U

MACH (2) = .9U2 ALPHA (7) = 25.U4U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.43UU	.344U	-.U32U	-.U57U	-.245U
.U5U	-.618U	-.519U	-.3U6U	-.384U	-.34UU
.15U	-.352U	-.261U	-.256U	-.31UU	-.342U
.3UU	-.319U	-.318U	-.31UU	-.374U	-.379U
.52U	-.382U	-.439U	-.438U	-.5U7U	-.554U
.65U	-.896U	-1.128U	-1.128U	-1.123U	-.645U
.775	-.482U	-.697U	-.965U	-.6U3U	-.474U
.9UU		-.432U	-.492U	-.469U	-.343U

AMES 11-7D7 OA12 OEA LEFT VERTICAL (REPVU2) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XRP = 20.5300 INCHES
LREF = 30.8490 INCHES YRP = .0000 INCHES
BREF = 30.8490 INCHES ZRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (1) =-10.010

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7410	-1.0890	-1.2040	-1.0570	-.6980
.050	.3800	.4120	.4120	.4070	.2950
.150	.2850	.2890	.2780	.2410	.1600
.300	.1770	.1250	.1270	.0630	.0000
.520	-.0880	-.1340	-.1280	-.1930	-.1950
.650	-.3100	-.3450	-.3400	-.3140	-.2750
.775	-.2150	-.1910	-.1660	-.1530	-.1490
.900		-.1700	-.1580	-.1340	-.1320

MACH (1) = .900 BETA (2) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0010	-.2880	-.3570	-.2340	-.0390
.050	.2190	.2310	.2410	.2390	.1810
.150	.1370	.1270	.1190	.0930	.0660
.300	.0420	.0100	-.0460	-.0250	-.0630
.520	-.1580	-.2220	-.2310	-.2570	-.2540
.650	-.3270	-.4030	-.3880	-.3520	-.3120
.775	-.1880	-.2040	-.1870	-.1520	-.1340
.900		-.1490	-.1240	-.0750	-.0720

MACH (1) = .900 BETA (3) = 5.230

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0130	.0380	.0550	-.0220	-.3400
.050	-.4230	-.6860	-.6840	-.6810	-.7240
.150	-.2490	-.4100	-.5450	-.5360	-.4670
.300	-.2810	-.3320	-.4030	-.3920	-.2750
.520	-.3240	-.3720	-.4130	-.3950	-.3490
.650	-.2880	-.3820	-.4960	-.4110	-.4100
.775	-.2130	-.2480	-.2450	-.2510	-.1620
.900		-.1480	-.1270	-.0860	-.0540

MACH (1) = .900 BETA (4) = 10.370

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-1.0270	-.8630	-.4260	-.6330	-.8810
.050	-.7540	-1.2970	-.8390	-.8610	-.9440
.150	-.5250	-1.0380	-.7890	-.8670	-.9870
.300	-.5000	-.6020	-.7540	-.8830	-.7340
.520	-.5480	-.4470	-.6290	-.6580	-.5130
.650	-.3950	-.3670	-.4980	-.4850	-.4480
.775	-.2470	-.2670	-.3800	-.4120	-.3610
.900		-.1750	-.2710	-.2790	-.2850

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPVU2)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE C_P

MACH (2) = .904 BETA (1) =-10.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0770	-.5110	-.6580	-.4540	-.2270
.050	.3720	.4070	.3980	.3740	.2660
.150	.2900	.3010	.2620	.2110	.1050
.300	.2100	.1590	.1210	.0460	-.0690
.520	.0100	-.1040	-.1540	-.2360	-.3710
.650	-.3350	-.6630	-.8910	-.9530	-.9700
.775	-.2540	-.2640	-.2610	-.4750	-.4770
.900		-.1950	-.3170	-.4310	-.3460

MACH (2) = .901 BETA (2) = -5.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3180	.0910	-.0820	.0260	.0060
.050	.1680	.1740	.2230	.2180	.1390
.150	.1080	.1180	.1140	.0730	-.0170
.300	.0380	.0280	.0090	-.0700	-.1490
.520	-.1150	-.1910	-.2490	-.2840	-.3670
.650	-.3740	-.7770	-1.0510	-1.0690	-.9480
.775	-.2190	-.3050	-.3420	-.5140	-.3810
.900		-.1810	-.2830	-.2880	-.1750

MACH (2) = .903 BETA (3) = 5.290

Z/BV	.158	.316	.60	.840	.925
X/CV					
.000	.2610	.2840	.1680	.0630	-.1950
.050	-.4480	-.8040	-1.0260	-1.0460	-.7490
.150	-.2830	-.6240	-.8140	-.9130	-.7290
.300	-.4040	-.4870	-.7080	-.7940	-.5540
.520	-.4670	-.4110	-.4700	-.5480	-.4760
.650	-.3480	-.3160	-.5330	-.4430	-.4150
.775	-.2500	-.3180	-.3270	-.3340	-.3320
.900		-.1930	-.2020	-.2810	-.2470

MACH (2) = .906 BETA (4) = 10.500

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1960	-.1030	-.0890	-.2190	-.4550
.050	-.5110	-1.0930	-1.1330	-.6720	-.5410
.150	-.4240	-1.2320	-1.0980	-.6570	-.5340
.300	-.5610	-.6260	-1.1440	-.6030	-.5060
.520	-.3170	-.4470	-.9330	-.5600	-.4940
.650	-.3850	-.3100	-.7880	-.5260	-.4420
.775	-.2920	-.2950	-.6020	-.4910	-.4330
.900		-.1960	-.5640	-.4750	-.4030

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPVU3) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 99.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (1) =-10.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0700	-1.7830	-1.2550	-1.1080	-.8320
.050	.3040	.3580	.3610	.3550	.2410
.150	.2290	.2510	.2370	.2060	.1230
.300	.1400	.1030	.1070	.0700	-.0260
.520	-.0080	-.1360	-.1280	-.1910	-.1900
.650	-.3070	-.3410	-.2780	-.2910	-.2520
.775	-.2680	-.1840	-.1520	-.1460	-.1480
.900		-.1720	-.1480	-.1320	-.1390

MACH (1) = .500 BETA (2) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0080	-.3410	-.4220	-.3090	-.1680
.050	.1410	.1870	.2080	.2120	.1440
.150	.0840	.0090	.0010	.0740	.0330
.300	.0040	-.0190	-.0210	-.0400	-.0760
.520	-.1680	-.2280	-.2290	-.2490	-.2510
.650	-.3200	-.3950	-.3670	-.3280	-.2970
.775	-.1870	-.2110	-.1890	-.1530	-.1360
.900		-.1580	-.1300	-.0780	-.0780

MACH (1) = .500 BETA (3) = 5.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0170	-.0300	-.0440	-.1330	-.4580
.050	-.3330	-.7080	-.6670	-.6430	-.7080
.150	-.2820	-.4260	-.5690	-.5520	-.4790
.300	-.2880	-.3310	-.4430	-.3870	-.3070
.520	-.3540	-.3620	-.4040	-.3720	-.3320
.650	-.2840	-.3440	-.4760	-.3820	-.3590
.775	-.2280	-.2370	-.2420	-.2390	-.1470
.900		-.1390	-.1270	-.0880	-.0590

MACH (1) = .500 BETA (4) = 10.300

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7610	-.9920	-.5480	-.7840	-.9100
.050	-.6190	-1.4500	-.8360	-.9110	-.7990
.150	-.5290	-.9130	-.8160	-1.0070	-.8220
.300	-.4950	-.5770	-.8870	-1.1130	-.6290
.520	-.4920	-.4150	-.6460	-.6180	-.6110
.650	-.3520	-.3730	-.5090	-.4000	-.5120
.775	-.2840	-.2860	-.3440	-.3000	-.4140
.900		-.1880	-.2350	-.2090	-.3190

AMES 11-7D7 OA12 OEA LEFT VERTICAL (REPVU3)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0380	-.5630	-.8030	-.5480	-.3580
.050	.2640	.3340	.3420	.3290	.2140
.150	.2160	.2510	.2130	.1730	.0810
.300	.1580	.1230	.0820	.0080	-.1090
.520	-.0110	-.1200	-.1680	-.2590	-.3960
.650	-.3350	-.5710	-.7080	-.7690	-.7250
.775	-.2510	-.2480	-.2580	-.4300	-.3850
.900		-.1930	-.3190	-.4070	-.3520

MACH (2) = .900 BETA (2) = -5.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1570	-.0020	-.2070	-.0860	-.0960
.050	.0280	.1080	.1830	.1880	.1080
.150	.0050	.06[illegible]	.0810	.0490	-.0490
.300	-.0180	-.0280	-.0270	-.0850	-.1670
.520	-.1430	-.1980	-.2730	-.3080	-.3990
.650	-.3570	-.5950	-.9060	-1.0070	-.7080
.775	-.2120	-.2880	-.3120	-.4690	-.3130
.900		-.1820	-.2740	-.2020	-.1290

MACH (2) = .901 BETA (3) = 5.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1020	.1920	.0560	-.0120	-.3130
.050	-.2550	-.8680	-1.0100	-.6880	-1.0670
.150	-.3290	-.4910	-.9010	-.6200	-1.0520
.300	-.4480	-.5070	-.6860	-.6180	-.8740
.520	-.4570	-.2870	-.3060	-.4930	-.3720
.650	-.2780	-.2550	-.7940	-.3050	-.3550
.775	-.2230	-.2530	-.2690	-.2700	-.1770
.900		-.1750	-.1350	-.1700	-.0620

MACH (2) = .904 BETA (4) = 10.430

Z/BV	.158	.313	.600	.840	.925
X/CV					
.000	-.1140	-.1800	-.2100	-.3200	-.5370
.050	-.5100	-1.1170	-1.1550	-.5320	-.5180
.150	-.4480	-1.2620	-1.0890	-.5410	-.5290
.300	-.5880	-.6520	-1.1310	-.5840	-.[illegible]480
.520	-.5790	-.3430	-.8580	-.5480	-.4980
.650	-.3070	-.2810	-.6970	-.5240	-.4530
.775	-.2880	-.2980	-.4880	-.5010	-.4170
.900		-.2010	-.4250	-.4760	-.3810

AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPVD4) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5360 INCHES
LREF = 39.8450 INCHES YMRP = .0000 INCHES
BREF = 39.8450 INCHES ZMRP = .0000 INCHES
SCALE = .0360 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.110

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.9920	-1.9280	-1.3170	-1.0250	-.8060
.050	.2320	.3080	.3290	.3180	.2010
.150	.1790	.2200	.2150	.1950	.0910
.300	.1140	.0820	.0840	.0540	-.0570
.520	-.0810	-.1360	-.1120	-.1810	-.1940
.650	-.3080	-.3230	-.2550	-.2840	-.2540
.775	-.2140	-.1870	-.1410	-.1550	-.1630
.900		-.1960	-.1280	-.1540	-.1660

MACH (1) = .598 BETA (2) = -5.020

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1360	-.4200	-.5700	-.4620	-.3210
.050	.0500	.1580	.1880	.2000	.1290
.150	.0220	.0730	.0730	.0630	.0130
.300	-.0340	-.0400	-.0240	-.0460	-.0950
.520	-.1780	-.2210	-.2130	-.2340	-.2430
.650	-.3220	-.3870	-.3440	-.3060	-.2780
.775	-.1870	-.2140	-.1780	-.1540	-.1290
.900		-.1780	-.1260	-.0740	-.0710

MACH (1) = .598 BETA (3) = 5.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0960	-.1250	-.1550	-.2580	-.5660
.050	-.2080	-.7430	-.6590	-.6060	-.6880
.150	-.2070	-.5640	-.6230	-.5590	-.5360
.300	-.2950	-.3380	-.4810	-.4380	-.3110
.520	-.3230	-.3420	-.3670	-.3480	-.2930
.650	-.2460	-.3320	-.4340	-.3550	-.3000
.775	-.2000	-.2390	-.2160	-.2180	-.1440
.900		-.1790	-.1180	-.0780	-.0650

MACH (1) = .597 BETA (4) = 10.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.4390	-1.0810	-.6450	-.8500	-.9410
.050	-.5820	-1.6630	-.8330	-.8810	-.7160
.150	-.5200	-.7720	-.8730	-.9940	-.7490
.300	-.4830	-.5160	-1.0520	-1.1130	-.5870
.520	-.4270	-.3970	-.6408	-.5070	-.6030
.650	-.2700	-.3810	-.4910	-.3170	-.4990
.775	-.2510	-.3060	-.2990	-.2670	-.3600
.900		-.1980	-.1880	-.2000	-.2710

AMES 11-707 OA12 OEA LEFT VERTICAL (REPV04)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (1) =-10.230

Z/BV / X/CV	.150	.316	.600	.840	.925
.000	.1140	-.5570	-.9180	-.7070	-.4880
.050	.1270	.2530	.2780	.2730	.1650
.150	.1100	.1910	.1660	.1430	.0870
.300	.0740	.0750	.0370	-.0130	-.1330
.520	-.0700	-.1430	-.1820	-.2850	-.3840
.650	-.3480	-.3300	-.4630	-.4360	-.5270
.775	-.2480	-.2440	-.2800	-.3470	-.3160
.900		-.1980	-.3050	-.3420	-.2880

MACH (2) = .900 BETA (2) = -5.070

Z/BV / X/CV	.150	.316	.600	.840	.925
.000	.1080	-.0400	-.3090	-.2100	-.2190
.050	-.1110	.0580	.1400	.1490	.0870
.150	-.0800	.0300	.0480	.0220	-.0870
.300	-.0860	-.0540	-.0650	-.1110	-.1880
.520	-.1720	-.2070	-.2990	-.3280	-.4140
.650	-.3900	-.5670	-.6850	-.6830	-.5130
.775	-.2650	-.2980	-.2940	-.3480	-.2250
.900		-.1950	-.2750	-.1930	-.0810

MACH (2) = .900 BETA (3) = 5.230

Z/BV / X/CV	.150	.316	.600	.840	.925
.000	.0830	.1260	-.0840	-.1410	-.4290
.050	-.2580	-.8240	-.9080	-.8800	-.9910
.150	-.3800	-.4650	-.8210	-.8390	-1.0360
.300	-.4540	-.4830	-.6870	-.6550	-.7770
.520	-.4100	-.3360	-.3330	-.3400	-.3480
.650	-.2520	-.2970	-.6150	-.3020	-.2630
.775	-.2270	-.2980	-.2530	-.2430	-.1480
.900		-.1930	-.1800	-.1360	-.0300

MACH (2) = .907 BETA (4) = 10.380

Z/BV / X/CV	.150	.316	.600	.840	.925
.000	.0150	-.2180	-.3310	-.4570	-.5950
.050	-.4940	-1.0790	-1.1440	-.5380	-.4740
.150	-.4240	-.9310	-1.1470	-.5390	-.4790
.300	-.5800	-.6610	-1.2090	-.5590	-.4710
.520	-.5180	-.3420	-.6830	-.5490	-.4730
.650	-.2900	-.3080	-.2900	-.5320	-.4430
.775	-.2930	-.3180	-.2060	-.5220	-.4100
.900		-.2170	-.2700	-.4680	-.3830

AMES 11-7D7 OA12 OBA LEFT VERTICAL (RBPVU3) (01 MAY 73)

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 26.5300 INCHES
LREF = 39.8450 INCHES YMRP = .0000 INCHES
BREF = 39.8450 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3220	-1.8230	-1.3920	-.9570	-.7460
.050	.1200	.2540	.2840	.2780	.1640
.150	.0960	.1760	.1890	.1710	.0710
.300	.0590	.0550	.0780	.0350	-.0770
.520	-.1070	-.1500	-.1110	-.1810	-.1930
.650	-.3240	-.3330	-.2550	-.2590	-.2300
.775	-.2310	-.1940	-.1440	-.1330	-.1660
.900		-.2270	-.1310	-.1370	-.1930

MACH (1) = .598 BETA (2) = -5.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2270	-.3890	-.6620	-.5610	-.4550
.050	-.0930	.1090	.1660	.1810	.0990
.150	-.0750	.0430	.0570	.0530	-.0020
.300	-.1110	-.1640	-.0350	-.0470	-.1150
.520	-.2420	-.2380	-.2140	-.2240	-.2360
.650	-.3620	-.4210	-.3360	-.2930	-.2640
.775	-.2010	-.2310	-.1760	-.1450	-.1300
.900		-.2170	-.1250	-.0750	-.0680

MACH (1) = .598 BETA (3) = 5.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2410	-.1480	-.2550	-.3760	-.6930
.050	-.2470	-.7950	-.6980	-.6290	-.7230
.150	-.2860	-.3800	-.7240	-.5960	-.6580
.300	-.3190	-.4010	-.4800	-.5250	-.3640
.520	-.3700	-.4110	-.3860	-.3440	-.2870
.650	-.3260	-.4300	-.4600	-.3510	-.3100
.775	-.2390	-.3100	-.2280	-.2280	-.1730
.900		-.2230	-.1270	-.0810	-.0820

MACH (1) = .600 BETA (4) = 10.290

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2590	-1.1490	-.8110	-.9070	-.8840
.050	-.5330	-1.4860	-.9480	-.8480	-.6190
.150	-.5320	-.7500	-1.0470	-.9330	-.6250
.300	-.5010	-.5530	-1.3080	-.9210	-.4950
.520	-.4680	-.4550	-.5240	-.5480	-.4940
.650	-.3230	-.4410	-.4680	-.4110	-.4130
.775	-.2700	-.3740	-.2720	-.3610	-.3450
.900		-.2480	-.1640	-.2700	-.2930

AMES 11-7ft OA12 OA LEFT VERTICAL (RBPVUS)

SECTION ( )LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1000	-.4790	-1.0150	-.9450	-.5800
.050	-.1480	.0870	.2150	.2280	.1340
.150	-.1150	.0850	.1220	.1140	.0080
.300	-.0850	.0080	.0380	-.0230	-.1620
.520	-.1800	-.1980	-.1930	-.2720	-.3880
.650	-.3700	-.6390	-.4070	-.3830	-.4380
.775	-.2710	-.2580	-.2430	-.2980	-.2390
.900		-.2300	-.3080	-.2390	-.2510

MACH (2) = .902 BETA (2) = -5.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1040	-.0810	-.3570	-.3630	-.3370
.050	-.5340	-.1830	.0750	.1070	.0440
.150	-.3510	-.1479	.0050	-.0110	-.1010
.300	-.3130	-.1770	-.0780	-.1290	-.2050
.520	-.3080	-.2320	-.3080	-.3470	-.4290
.650	-.3280	-.5480	-.9100	-.8160	-.4680
.775	-.2400	-.2910	-.3110	-.3470	-.2050
.900		-.2240	-.3070	-.1420	-.0830

MACH (2) = .904 BETA (3) = 5.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0800	.0330	-.1390	-.2580	-.5510
.050	-.1630	-.6210	-.9750	-.6700	-.8530
.150	-.2070	-.4970	-.9650	-.8190	-.9681
.300	-.4570	-.5440	-.8080	-.6550	-.6291
.520	-.4680	-.4080	-.2990	-.5380	-.3330
.650	-.3160	-.3510	-.4470	-.3830	-.2740
.775	-.2740	-.3520	-.2630	-.2270	-.1680
.900		-.2360	-.1950	-.1200	-.0740

MACH (2) = .904 BETA (4) = 10.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0130	-.2010	-.4240	-.6190	-.6390
.050	-.4040	-.9930	-1.1340	-.6510	-.4850
.150	-.4270	-.5980	-1.2290	-.6270	-.4760
.300	-.3300	-.8420	-1.2760	-.6190	-.4800
.520	-.5250	-.4560	-.4910	-.6270	-.5190
.650	-.3390	-.4040	-.2550	-.5840	-.4810
.775	-.3320	-.4190	-.2100	-.5210	-.4590
.900		-.2700	-.2270	-.4620	-.4240

AMES 11-7ft OA12 OEA LEFT VERTICAL (RBPVDB) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.8480 INCHES YMRP = .0000 INCHES
BREF = 30.8480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

1 PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) =-10.050

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0220	-1.6340	-1.4320	-.7780	-.6270
.050	-.0880	.1980	.2470	.2570	.1350
.150	-.0890	.1280	.1780	.1840	.0510
.300	-.0340	.0080	.0750	.0370	-.0880
.520	-.1740	-.1800	-.0880	-.1720	-.1870
.650	-.3180	-.3440	-.2350	-.2480	-.2340
.775	-.2100	-.2080	-.1380	-.1470	-.1790
.900		-.2850	-.1370	-.1510	-.2020

MACH (1) = .597 BETA (2) = -4.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2250	-.3440	-.7790	-.7180	-.5740
.050	-.2580	.0870	.1420	.1640	.0790
.150	-.1880	.0140	.0380	.0450	-.0220
.300	-.2080	-.0840	-.0520	-.0580	-.1280
.520	-.3340	-.2840	-.2250	-.2280	-.2270
.650	-.4350	-.4720	-.3440	-.2890	-.2570
.775	-.2680	-.2850	-.1800	-.1440	-.1300
.900		-.2800	-.1350	-.0810	-.0780

MACH (1) = .597 BETA (3) = 5.210

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2880	-.1300	-.3700	-.5080	-.7950
.050	-.2200	-.7780	-.7540	-.6790	-.7770
.150	-.2850	-.4020	-.8070	-.6650	-.7390
.300	-.3330	-.4180	-.4890	-.5840	-.4030
.520	-.4150	-.4800	-.3920	-.3520	-.3040
.650	-.3000	-.5060	-.4880	-.3480	-.3140
.775	-.2930	-.3550	-.2440	-.2110	-.1740
.900		-.2640	-.1430	-.0850	-.0770

MACH (1) = .598 BETA (4) = 10.360

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0180	-1.1030	-1.0020	-1.0280	-.8130
.050	-.4510	-1.2010	-1.1130	-.8610	-.5950
.150	-.5000	-.6430	-1.2040	-.9120	-.5810
.300	-.5130	-.6020	-1.3230	-.8990	-.4300
.520	-.5080	-.5350	-.4610	-.6560	-.5150
.650	-.5780	-.5100	-.4520	-.5120	-.4430
.775	-.3190	-.4150	-.2560	-.4570	-.3800
.900		-.2960	-.1630	-.4150	-.3570

AMES 11-707 OA12 OBA LEFT VERTICAL (RBPVD6)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (1) =-10.110

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0880	-.3030	-1.0480	-1.1310	-.8090
.050	-.5820	-.2380	.1770	.1750	.0840
.150	-.4460	-.0880	.0890	.0740	-.0360
.300	-.3260	-.0620	-.0100	-.0430	-.2010
.520	-.2650	-.1830	-.1880	-.2760	-.3080
.650	-.4040	-.6190	-.3940	-.3820	-.3800
.775	-.3040	-.2970	-.2500	-.2790	-.2040
.900		-.2820	-.3100	-.1790	-.1790

MACH (2) = .900 BETA (2) = -5.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2360	-.4310	-.2620	-.3740	-.3990
.050	-1.1090	-.8930	.0480	.1070	.0170
.150	-.5540	-.6150	-.0090	-.0080	-.1300
.300	-.8400	-.4080	-.0760	-.1330	-.2350
.520	-.4050	-.3390	-.2420	-.3740	-.4690
.650	-.3770	-.4230	-.8350	-.6870	-.5210
.775	-.3220	-.3410	-.3420	-.3520	-.2370
.900		-.2950	-.3040	-.1760	-.1060

MACH (2) = .904 BETA (3) = 5.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0280	-.4100	-.1170	-.2770	-.6100
.050	-.0190	-.2740	-.9470	-.7320	-1.0660
.150	-.1630	-.3480	-.7340	-.7410	-1.1160
.300	-.3420	-.5080	-.3750	-.7310	-.5500
.520	-.4400	-.4290	-.4780	-.5680	-.3970
.650	-.4430	-.4790	-.7680	-.4410	-.2550
.775	-.3490	-.4140	-.4780	-.2980	-.1740
.900		-.2940	-.3140	-.1510	-.0710

MACH (2) = .908 BETA (4) = 10.430

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0390	-.2370	-.5050	-.8050	-.7970
.050	-.2770	-.5600	-1.1300	-1.0620	-.6450
.150	-.3720	-.5280	-1.3010	-1.0400	-.3920
.300	-.4980	-.5430	-.7580	-.9630	-.5150
.520	-.4880	-.5570	-.5490	-.8340	-.6420
.650	-.4200	-.4990	-.4690	-.5200	-.4980
.775	-.3680	-.4940	-.3480	-.3220	-.4390
.900		-.3180	-.2660	-.2750	-.3810

AMES 11-707 OA12 OEA LEFT VERTICAL (RSPVD7) (01 MAY 73)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.0480 INCHES YMRP = .0000 INCHES
BREF = 30.0480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3710	-1.0080	-.8280	-.5110	-.2520
.050	.3180	.3380	.3240	.3130	.2280
.150	.2170	.2070	.1840	.1270	.0850
.300	.1070	.0400	.0010	-.0340	-.0530
.520	-.1310	-.2890	-.3220	-.3200	-.2840
.650	-.3800	-.6290	-.6490	-.4490	-.4110
.775	-.2580	-.3210	-.2940	-.3210	-.1710
.900		-.1590	-.1630	-.1220	-.1010

MACH (1) = .600 BETA (2) = -3.940

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2470	-.0070	-.0660	.1770	.1820
.050	.1520	.1460	.1170	.0910	.0570
.150	.0870	.0660	.0170	-.0230	-.0280
.300	-.0040	-.0480	-.1250	-.1460	-.1080
.520	-.2120	-.3680	-.3850	-.3530	-.3010
.650	-.3740	-.6540	-.7390	-.4680	-.4820
.775	-.2420	-.3250	-.2970	-.3800	-.1890
.900		-.1420	-.1440	-.1450	-.0790

MACH (1) = .600 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4510	.4230	.3600	.3950	.1820
.050	-.0200	-.2540	-.3900	-.5010	-.2310
.150	-.0890	-.0990	-.1800	-.2230	-.1820
.300	-.1250	-.1940	-.2670	-.2720	-.2080
.520	-.2820	-.4370	-.4630	-.3870	-.3290
.650	-.3650	-.6480	-.7200	-.3950	-.4450
.775	-.2200	-.3620	-.3720	-.2980	-.1940
.900		-.1620	-.2040	-.1890	-.0960

MACH (1) = .600 BETA (4) = 4.210

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1290	.1670	.0910	-.0430	-.3470
.050	-.4000	-.6390	-.7470	-.8150	-.7680
.150	-.2270	-.3410	-.4930	-.5510	-.4970
.300	-.2460	-.3290	-.4320	-.4280	-.2800
.520	-.3330	-.4890	-.5380	-.4270	-.3460
.650	-.2030	-.5500	-.6320	-.3570	-.4240
.775	-.2470	-.4110	-.3840	-.3010	-.1960
.900		-.1710	-.2640	-.2150	-.1220

AMES 11-707 OA12 OBA LEFT VERTICAL (RBPV07)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (5) = 0.320

Z/BV	.150	.316	.800	.840	.925
X/CV					
.000	-.6500	-.5680	-.3410	-.5090	-1.0080
.050	-.6280	-1.0340	-.8910	-.9240	-1.2880
.150	-.4210	-.9520	-.8580	-.8540	-1.3280
.300	-.4440	-.5500	-.7780	-.7530	-1.0780
.520	-.4960	-.5300	-.6820	-.5780	-.4150
.650	-.3900	-.4370	-.6080	-.4810	-.4830
.775	-.2840	-.3140	-.3970	-.4040	-.3280
.900		-.1770	-.2750	-.2970	-.2840

MACH (2) = .902 BETA (1) = -0.080

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.1070	-.2220	-.4150	-.2720	-.1140
.050	.3000	.3350	.3350	.3220	.2480
.150	.2230	.2310	.2090	.1590	.0570
.300	.1450	.0980	.0680	-.0440	-.1050
.520	-.0420	-.1110	-.1640	-.2400	-.3740
.650	-.3480	-1.0830	-1.2100	-.4810	-.5170
.775	-.2750	-.4810	-.7910	-.3870	-.2840
.900		-.2010	-.6080	-.3550	-.2260

MACH (3) = .901 BETA (2) = -4.000

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.3780	.1910	.0160	.1500	.0910
.050	.1150	.1210	.1680	.1710	.0780
.150	.0610	.0720	.0810	.0420	-.0410
.300	.0050	-.0080	-.0170	-.0910	-.1480
.520	-.1370	-.1880	-.2000	-.2610	-.3400
.650	-.4040	-1.1300	-.8870	-.3530	-.3620
.775	-.2430	-.4740	-.7410	-.2790	-.2700
.900		-.1790	-.5510	-.2430	-.1930

MACH (2) = .903 BETA (3) = .080

Z/BV	.158	.316	.400	.840	.925
X/CV					
.000	.3990	.3280	.3490	.4130	.2090
.050	-.0830	-.3220	-.3360	-.3330	-.2350
.150	-.1510	-.1280	-.1130	-.1570	-.1480
.300	-.1910	-.1660	-.1600	-.2110	-.1680
.520	-.2490	-.2680	-.2640	-.2490	-.3140
.650	-.3600	-1.0550	-.7310	-.3000	-.3470
.775	-.2340	-.4910	-.6290	-.2830	-.2930
.900		-.1850	-.5440	-.2780	-.2570

MACH (2) = .902 BETA (4) = 4.280

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.3240	.3310	.2330	.1560	-.1230
.050	-.4250	-.7710	-.9850	-.8760	-.8040
.150	-.2660	-.4400	-.7290	-.7350	-.7890
.300	-.3770	-.4390	-.5460	-.5770	-.5770

AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPVU7)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4380	-.4100	-.3200	-.3940	-.3060
.650	-.3200	-.5000	-.7070	-.2780	-.2710
.775	-.2420	-.4600	-.6240	-.2360	-.2730
.900		-.1940	-.5190	-.2120	-.1820

MACH (2) = .905 BETA (5) = 8.440

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0160	.0400	.0430	-.1380	-.4080
.050	-.5060	-.9770	-1.1630	-.7630	-.6200
.150	-.3570	-1.0290	-1.0470	-.7720	-.6360
.300	-.4900	-.5590	-.9080	-.7260	-.5830
.520	-.5620	-.5490	-.8250	-.6350	-.5360
.650	-.3810	-.4410	-.7350	-.5390	-.4750
.775	-.3110	-.3760	-.7340	-.4510	-.4740
.940		-.1880	-.5490	-.3990	-.4570

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPVU8) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0340 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CF

MACH (1) = .840 BETA (1) = -8.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2440	-1.0510	-.9220	-.6300	-.3940
.050	.2460	.2880	.2850	.2770	.1860
.150	.1650	.1710	.1370	.1100	.0580
.300	.0780	.0180	-.0100	-.0470	-.0740
.520	-.1380	-.2840	-.3040	-.3080	-.2490
.650	-.3450	-.6110	-.6060	-.4180	-.3730
.775	-.2520	-.3170	-.2760	-.2820	-.1580
.900		-.1680	-.1580	-.1110	-.0910

MACH (1) = .900 BETA (2) = -3.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1370	-.0810	-.1570	.0680	.0800
.050	.0880	.1100	.0990	.0760	.0330
.150	.0390	.0380	.0010	-.0370	-.0480
.300	-.0370	-.0700	-.1280	-.1540	-.1300
.520	-.2140	-.3720	-.3770	-.3480	-.2950
.650	-.3580	-.6470	-.6820	-.4500	-.4[illegible]
.775	-.2390	-.3390	-.2930	-.3600	-.165[illegible]
.900		-.1610	-.1490	-.1120	-.0660

MACH (1) = .800 BETA (3) = .000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3830	.3730	.3630	.3220	.0930
.050	-.0730	-.2750	-.3870	-.4750	-.2600
.150	-.1020	-.1210	-.1950	-.2300	-.1890
.300	-.1470	-.2060	-.2700	-.2680	-.2040
.520	-.2760	-.4260	-.4540	-.3790	-.3070
.650	-.3360	-.6210	-.6810	-.3630	-.4270
.775	-.2230	-.3530	-.3470	-.2840	-.1770
.900		-.1650	-.1960	-.1720	-.0830

MACH (1) = .805 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0510	.0360	.0090	-.1360	-.4620
.050	-.2860	-.6530	-.6960	-.7230	-.7220
.150	-.2540	-.3360	-.5010	-.5830	-.5040
.300	-.2740	-.3170	-.4200	-.4050	-.2950
.520	-.3360	-.4420	-.5040	-.4110	-.3260
.650	-.2710	-.4640	-.5890	-.5290	-.3770
.775	-.2410	-.3350	-.3760	-.2630	-.1750
.900		-.1690	-.2660	-.1700	-.1200

AMES 11-7U7 OA12 OBA LEFT VERTICAL (RBPVUS)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (5) = 8.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5320	-.6570	-.4710	-.7440	-1.0020
.050	-.5530	-1.1170	-.9040	-.9730	-.9920
.150	-.4600	-.9510	-.8900	-.9590	-1.0190
.300	-.4400	-.4910	-.9180	-.9650	-.8270
.520	-.4790	-.5190	-.6820	-.6630	-.5180
.650	-.3720	-.4750	-.5900	-.4640	-.4740
.775	-.3030	-.3480	-.3940	-.4040	-.3870
.900		-.1800	-.2830	-.2680	-.3040

MACH (2) = .900 BETA (1) = -8.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1150	-.2940	-.5910	-.3930	-.2050
.050	.1800	.2620	.2900	.2780	.1710
.150	.1430	.1860	.1690	.1270	.0270
.300	.0940	.0640	.0360	-.0310	-.1230
.520	-.0670	-.1280	-.1900	-.2720	-.3690
.650	-.3450	-1.0380	-1.2040	-.4520	-.4390
.775	-.2600	-.4640	-.7890	-.3810	-.2850
.900		-.1940	-.4110	-.3650	-.2530

MACH (2) = .903 BETA (2) = -4.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1640	.1070	-.0940	.0800	-.0210
.050	-.0370	.0420	.1480	.1330	.0420
.150	-.0470	.0240	.0580	.0100	-.0820
.300	-.0590	-.0550	-.0480	-.1230	-.1580
.520	-.1740	-.1940	-.2900	-.3010	-.3330
.650	-.3530	-1.0410	-.9580	-.3560	-.3540
.775	-.2380	-.4480	-.7930	-.2890	-.2500
.900		-.1740	-.4100	-.2240	-.1770

MACH (2) = .901 BETA (3) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2800	.2490	.2700	.3400	.1160
.050	-.1850	-.3490	-.3110	-.3330	-.2780
.150	-.2480	-.1590	-.1230	-.1760	-.1710
.300	-.2700	-.1860	-.1780	-.2310	-.1870
.520	-.2570	-.2720	-.2730	-.2760	-.2940
.650	-.3210	-.9630	-.7330	-.2800	-.3170
.775	-.2200	-.4650	-.6450	-.2620	-.2590
.900		-.1790	-.5480	-.2540	-.2250

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1470	.2530	.1230	.0690	-.2420
.050	-.2270	-.0270	-.0350	-.7890	-1.0790
.150	-.3060	-.4290	-.7420	-.6380	-.9630
.300	-.4210	-.4640	-.4740	-.5510	-.6110

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AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPVU8)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4060	-.2490	-.2970	-.3920	-.2540
.650	-.2510	-.4370	-.7880	-.2730	-.2810
.775	-.2220	-.3440	-.6380	-.2280	-.1780
.900		-.1760	-.5380	-.1870	-.1400

MACH (2) = .901 BETA (5) = 8.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0400	-.0410	-.1220	-.2950	-.5590
.050	-.3940	-1.0060	-1.1660	-.7890	-.6250
.150	-.3890	-1.0210	-1.0240	-.7830	-.6290
.300	-.5350	-.5820	-1.0570	-.7270	-.5710
.520	-.5730	-.4310	-.9060	-.5920	-.5530
.650	-.3410	-.3730	-.7360	-.5340	-.4880
.775	-.3180	-.3690	-.5180	-.4740	-.5080
.900		-.2130	-.3580	-.3960	-.4850

AMES 11-7U7 OA12 ORA LEFT VERTICAL (RBPWU9) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (1) = -8.080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.2670	-1.1850	-1.0570	-.8[illegible]	-.5580
.050	.1710	.2510	.2550	.2500	.1550
.150	.1180	.1540	.1290	.1000	.0420
.300	.0320	.0120	-.0140	-.0410	-.0820
.520	-.1340	-.2780	-.2830	-.2780	-.2310
.650	-.3380	-.5970	-.5810	-.3820	-.3240
.775	-.2430	-.3180	-.2820	-.2360	-.1390
.900		-.1790	-.1490	-.1120	-.0960

MACH (1) = .801 BETA (2) = -3.980

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1820	-.1650	-.2800	-.0510	-.0310
.050	.0420	.0990	.0950	.1080	.0340
.150	-.0180	.0250	-.0069	-.0310	-.0570
.300	-.0770	-.0870	-.1250	-.1440	-.1370
.520	-.2210	-.3600	-.3720	-.3250	-.2770
.650	-.3570	-.6420	-.6560	-.3980	-.3890
.775	-.2290	-.3420	-.2890	-.3150	-.1540
.900		-.1740	-.1510	-.0780	-.0600

MACH (1) = .600 BETA (3) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3320	.3320	.2360	.2440	.0250
.050	-.1130	-.1490	-.3440	-.4510	-.2600
.150	-.1350	-.1400	-.2010	-.2270	-.1830
.300	-.1780	-.2220	-.2780	-.2730	-.2050
.520	-.3110	-.4360	-.4510	-.3840	-.3060
.650	-.3620	-.6450	-.6780	-.3660	-.4080
.775	-.2270	-.3590	-.3300	-.2880	-.1590
.900		-.1790	-.1890	-.1160	-.0660

MACH (1) = .399 BETA (4) = 4.170

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1510	.0120	-.1060	-.2940	-.6060
.050	-.2480	-.6940	-.7130	-.7070	-.7480
.150	-.2770	-.3330	-.5850	-.6080	-.5550
.300	-.2850	-.3460	-.4450	-.4440	-.3430
.520	-.3410	-.4640	-.5000	-.4200	-.3240
.650	-.2890	-.4810	-.5670	-.3350	-.3690
.775	-.2140	-.3320	-.3770	-.2890	-.1770
.900		-.1830	-.2520	-.1660	-.1210

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPVU9)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3450	-.7430	-.5850	-.8950	-1.0270
.050	-.4940	-1.1690	-.9340	-1.0200	-.8780
.150	-.4730	-.7470	-.9790	-1.1050	-.8630
.300	-.4390	-.4950	-1.0710	-1.0910	-.6860
.520	-.4300	-.5180	-.5990	-.6390	-.5890
.650	-.3130	-.5120	-.5450	-.4130	-.5030
.775	-.2710	-.3780	-.3750	-.3570	-.3970
.900		-.2110	-.2550	-.2000	-.3260

MACH (2) = .904 BETA (1) = -8.160

Z/BV	.159	.316	.600	.840	.925
X/CV					
.000	.1220	-.3250	-.7260	-.6080	-.3870
.050	.0190	.1730	.2190	.2150	.1070
.150	.0270	.1240	.1110	.0720	-.0220
.300	.0110	.0200	-.0110	-.0840	-.1570
.520	-.1120	-.1710	-.2270	-.3220	-.3990
.650	-.3680	-1.0510	-1.2020	-.4350	-.3520
.775	-.2650	-.4700	-.7830	-.3570	-.2750
.900		-.2070	-.3280	-.3250	-.2480

MACH (2) = .902 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0960	.0220	-.2290	-.0840	-.1560
.050	-.1980	-.0230	.0970	.0970	.0050
.150	-.1600	-.0220	.0110	-.0250	-.1250
.300	-.1470	-.0970	-.0830	-.1550	-.1740
.520	-.2180	-.2230	-.2720	-.3280	-.2910
.650	-.3580	-1.0290	-.9430	-.3330	-.3400
.775	-.2450	-.4610	-.7820	-.2710	-.2220
.900		-.1900	-.4180	-.2170	-.1560

MACH (2) = .899 BETA (3) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2570	.1630	.1970	.2470	.0170
.050	-.2540	-.3920	-.3120	-.3290	-.2980
.150	-.2990	-.2460	-.1570	-.2030	-.1970
.300	-.3270	-.2550	-.2020	-.2570	-.2060
.520	-.3120	-.2920	-.3040	-.3030	-.2650
.650	-.3160	-.8170	-.7320	-.3000	-.2910
.775	-.2450	-.4720	-.6860	-.2520	-.2370
.900		-.1930	-.5290	-.2270	-.1960

MACH (2) = .898 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1030	.1520	.0420	-.0590	-.3870
.050	-.2200	-.7370	-.8520	-.6940	-1.0530
.150	-.3100	-.4430	-.7810	-.6440	-1.0480
.300	-.4200	-.4580	-.4110	-.6070	-.5040

DATE :8 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPVU9)

AMES 11-707 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.200

Z/BV	.138	.316	.600	.840	.925
X/CV					
.520	-.4030	-.3480	-.3360	-.4090	-.2350
.650	-.2590	-.3820	-.6950	-.2810	-.2570
.775	-.2330	-.3750	-.6120	-.2340	-.1930
.900		-.1950	-.4960	-.1970	-.1410

MACH (2) = .900 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.030	.0180	-.0790	-.2580	-.4780	-.6810
.050	-.3310	-1.0090	-1.0350	-.8390	-.6540
.150	-.3860	-.6140	-.9890	-.7790	-.6330
.300	-.5079	-.6000	-1.1460	-.7350	-.5610
.520	-.5040	-.4180	-.6820	-.6410	-.5090
.650	-.3120	-.3650	-.4130	-.5520	-.4750
.775	-.3030	-.3780	-.4250	-.4870	-.4650
.900		-.2240	-.3360	-.3830	-.4560

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV10) (01 MAY 73)

AMES 11-7U7 OA12 02A LEFT VERTICAL

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0040	-1.0500	-1.1420	-.9020	-.6560
.050	.0330	.1880	.2120	.2140	.1130
.150	.0110	.1080	.0930	.0780	.0130
.300	-.0410	-.0310	-.0410	-.0550	-.1010
.520	-.1850	-.3000	-.2930	-.2700	-.2210
.650	-.3650	-.6240	-.5510	-.3610	-.2970
.775	-.2670	-.3420	-.2660	-.2180	-.1330
.900		-.2190	-.1600	-.0880	-.1030

MACH (1) = .599 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3040	-.1400	-.3110	-.1310	-.1150
.050	-.1160	.0390	.0660	.0610	.0140
.150	-.1090	-.0180	-.0410	-.0480	-.0680
.300	-.1500	-.1220	-.1440	-.1510	-.1440
.520	-.2910	-.3810	-.3750	-.3270	-.2690
.650	-.4080	-.6870	-.6540	-.3920	-.3720
.775	-.2350	-.3630	-.3030	-.2950	-.1350
.900		-.2110	-.1610	-.0710	-.0520

MACH (1) = .598 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3240	.2960	.1880	.1940	-.0370
.050	-.1630	-.1690	-.3750	-.4450	-.2950
.150	-.1830	-.1720	-.2240	-.2530	-.1920
.300	-.2180	-.2490	-.2990	-.2770	-.2080
.520	-.3550	-.4710	-.4620	-.3840	-.3050
.650	-.4060	-.7010	-.6960	-.3730	-.4000
.775	-.2530	-.4050	-.3430	-.2850	-.1510
.900		-.2190	-.1870	-.0980	-.0590

MACH (1) = .598 BETA (4) = 4.170

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2930	-.0020	-.1910	-.3850	-.6940
.050	-.2210	-.7350	-.7350	-.7020	-.7770
.150	-.2610	-.3440	-.6480	-.6510	-.6430
.300	-.2950	-.3820	-.4650	-.4980	-.3490
.520	-.3630	-.5150	-.5180	-.4260	-.3120
.650	-.3400	-.6190	-.6140	-.3440	-.3640
.775	-.2790	-.4200	-.3680	-.2610	-.1760
.900		-.2310	-.2380	-.1460	-.1230

AMES 11-7?7 OA12 OA LEFT VERTICAL (RBPV1D)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.040	-.0560	-.7330	-.6970	-1.0230	-1.0800
.050	-.4510	-1.1910	-.9770	-1.0600	-.8530
.150	-.4430	-.5460	-1.1530	-1.1650	-.8530
.300	-.4430	-.9250	-1.1280	-1.1490	-.6890
.520	-.4530	-.5550	-.5120	-.5300	-.6500
.650	-.3400	-.5450	-.5120	-.3410	-.5500
.775	-.2830	-.4380	-.3840	-.2880	-.4240
.900		-.2390	-.2410	-.1600	-.3240

MACH (2) = .902 BETA (1) = -8.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.040	.0600	-.2880	-.7790	-.7410	-.5440
.050	-.2400	.0280	.1710	.1720	.0670
.150	-.2080	.0160	.0770	.0410	-.0590
.300	-.1690	-.0580	-.0350	-.1070	-.1850
.520	-.2180	-.1810	-.2440	-.3390	-.4120
.650	-.3770	-1.0800	-1.2040	-.4310	-.3950
.775	-.2720	-.4630	-.7480	-.3480	-.2320
.900		-.2290	-.2750	-.2860	-.2070

MACH (2) = .899 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0770	-.0050	-.2770	-.1480	-.2310
.050	-.5820	-.2360	.0390	.0780	-.0210
.150	-.3640	-.1990	-.0300	-.0410	-.1370
.300	-.3390	-.2110	-.1020	-.1600	-.2040
.520	-.3010	-.2440	-.2740	-.3430	-.2940
.650	-.3460	-.8510	-1.0750	-.3580	-.3010
.775	-.2570	-.4220	-.6920	-.2730	-.2160
.900		-.2260	-.3050	-.2380	-.1610

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3520	.1500	.0200	.2110	-.0250
.050	-.4110	-.5290	-.4750	-.3070	-.3200
.150	-.3630	-.3980	-.1910	-.2050	-.2070
.300	-.4580	-.4200	-.1910	-.2650	-.2110
.520	-.4340	-.3510	-.3010	-.3270	-.2850
.650	-.3740	-.5800	-.7990	-.3370	-.3000
.775	-.3020	-.5000	-.6730	-.2710	-.2370
.900		-.2390	-.4640	-.2340	-.1890

MACH (2) = .901 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0620	.0860	-.1690	-.2010	-.4810
.050	-.1740	-.6350	-.9550	-.6180	-.8540
.150	-.3020	-.4970	-.8580	-.5830	-.9030
.300	-.4590	-.5450	-.4870	-.6130	-.5240

AMES 11-7U7 OA12 C@A LEFT VERTICAL (RBPV10)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9U1 BETA (4) = 4.2UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.4750	-.4470	-.2940	-.477U	-.3U6U
.65U	-.324U	-.468U	-.672U	-.336U	-.277U
.775	-.3U8U	-.452U	-.434U	-.274U	-.224U
.9UU		-.238U	-.374U	-.24UU	-.181U

MACH (2) = .9UU BETA (5) = 8.33U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.1UU	.U28U	-.1U8U	-.341U	-.623U	-.756U
.U5U	-.31UU	-.853U	-1.U49U	-.865U	-.689U
.15U	-.389U	-.556U	-1.1U5U	-.816U	-.675U
.3UU	-.496U	-.6U7U	-1.167U	-.763U	-.559U
.52U	-.514U	-.487U	-.427U	-.676U	-.51UU
.65U	-.349U	-.474U	-.398U	-.539U	-.476U
.775	-.338U	-.458U	-.395U	-.451U	-.466U
.9UU		-.255U	-.314U	-.336U	-.446U

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV11) (01 MAY 73)

AMES 11-7U7 OA12 OEA LEFT VERTICAL

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = [illegible] INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL

DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0860	-.9260	-1.3020	-1.0180	-.8110
.050	-.2540	.1250	.1860	.2000	.0890
.150	-.1350	.0620	.0840	.0820	.0440
.300	-.1400	-.0440	-.0420	-.0570	-.1170
.520	-.2730	-.2910	-.2900	-.2610	-.2210
.650	-.3840	-.6350	-.5380	-.3410	-.2660
.775	-.2900	-.3510	-.2700	-.1900	-.1220
.900		-.2580	-.1650	-.0790	-.1010

MACH (1) = .598 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3720	-.0780	-.3980	-.2090	-.1950
.050	-.2560	.0020	.0560	.0620	.0080
.150	-.2000	-.0330	-.0460	-.0510	-.0710
.300	-.2290	-.1480	-.1540	-.1470	-.1470
.520	-.3660	-.3960	-.3770	-.3130	-.2570
.650	-.4640	-.7500	-.6630	-.3760	-.3450
.775	-.2770	-.3870	-.3120	-.2740	-.1330
.900		-.2500	-.1760	-.0680	-.0540

MACH (1) = .598 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3810	.2950	.1500	.1440	-.0910
.050	-.2180	-.2160	-.3510	-.4280	-.3110
.150	-.2310	-.2090	-.2430	-.2560	-.2050
.300	-.2630	-.2880	-.3190	-.2950	-.2210
.520	-.4030	-.5080	-.4870	-.3990	-.3120
.650	-.4750	-.7890	-.7420	-.3940	-.4040
.775	-.3220	-.4580	-.3660	-.3050	-.1550
.900		-.2760	-.1990	-.0940	-.0650

MACH (1) = .598 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3820	.0070	-.3090	-.5510	-.8740
.050	-.2150	-.7660	-.7860	-.7460	-.8410
.150	-.2790	-.3740	-.7490	-.7400	-.8270
.300	-.3190	-.4170	-.5210	-.6060	-.4580
.520	-.4070	-.5670	-.5620	-.4530	-.3290
.650	-.4110	-.7140	-.6630	-.3800	-.3880
.775	-.3450	-.4700	-.3930	-.2810	-.2240
.900		-.2800	-.2450	-.1480	-.1520

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV11)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (3) = 0.310

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1890	-.6680	-.8820	-1.1580	-1.0840
.050	-.3090	-.8910	-1.1380	-1.0880	-.8110
.150	-.3920	-.5730	-1.4230	-1.1630	-.8010
.300	-.4350	-.5910	-1.0360	-1.1500	-.6300
.520	-.4920	-.6750	-.5260	-.5860	-.6530
.650	-.4180	-.6020	-.5510	-.3800	-.5400
.775	-.3370	-.5210	-.4140	-.2960	-.4230
.900		-.2970	-.2030	-.1920	-.3370

MACH (2) = .903 BETA (1) = -8.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1970	-.3150	-.8790	-.8810	-.6500
.050	-.7560	-.4450	.1400	.1420	.0400
.150	-.5100	-.2300	.0470	.0180	-.0890
.300	-.4050	-.1420	-.0600	-.1210	-.2250
.520	-.3070	-.1800	-.2570	-.3550	-.4330
.650	-.3750	-.8100	-1.2050	-.4830	-.3640
.775	-.3200	-.4610	-.6240	-.3810	-.2670
.900		-.2840	-.2620	-.3000	-.1930

MACH (2) = .900 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1110	-.0290	-.2050	-.1870	-.3420
.050	-1.0680	-.8630	.0340	.0610	-.0410
.150	-.5330	-.5380	-.0210	-.0380	-.1840
.300	-.5140	-.3650	-.0940	-.1680	-.2310
.520	-.3810	-.3310	-.2430	-.3680	-.4050
.650	-.3690	-.7140	-1.1980	-.4710	-.3440
.775	-.3200	-.4530	-.7870	-.3640	-.2370
.900		-.2830	-.3450	-.3080	-.2140

MACH (2) = .900 BETA (3) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4430	.2110	.1140	.1590	-.0790
.050	-.7230	-.7440	-.2370	-.3100	-.2910
.150	-.4450	-.4610	-.1250	-.2160	-.2330
.300	-.5230	-.5290	-.1830	-.2850	-.2410
.520	-.4880	-.1800	-.3100	-.3670	-.3100
.650	-.4200	-.9920	-.7740	-.3530	-.3660
.775	-.3650	-.5620	-.6570	-.3160	-.2950
.900		-.3120	-.5310	-.2950	-.2600

MACH (2) = .900 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0920	-.2230	-.0280	-.2190	-.5690
.050	-.0430	-.2010	-.8350	-.6900	-.9620
.150	-.1790	-.3360	-.4070	-.6910	-.9830
.300	-.3590	-.4890	-.3310	-.5770	-.4260

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV11)

AMES 11-7D7 OA12 O2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4530	-.4330	-.4290	-.4490	-.3000
.650	-.5060	-.7150	-.8620	-.3370	-.3020
.775	-.3870	-.6150	-.7690	-.2930	-.2480
.900		-.3020	-.5980	-.2800	-.2130

MACH (2) = .901 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0990	-.3740	-.3970	-.7260	-.8640
.050	-.1680	-.4490	-1.0680	-1.0890	-.7580
.150	-.2970	-.4900	-1.1190	-1.0700	-.7410
.300	-.4550	-.5780	-.6250	-1.0070	-.6300
.520	-.5230	-.5800	-.6160	-.7450	-.5840
.650	-.4610	-.6530	-.6340	-.5260	-.5280
.775	-.3930	-.6150	-.5310	-.4270	-.4890
.900		-.3180	-.4540	-.2940	-.4590

DATE 16 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV12) (01 MAY 73)

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5500 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3510	-.9190	-.6500	-.2780	-.1040
.050	.3060	.3240	.2940	.2630	.1940
.150	.2080	.1900	.1290	.0920	.0580
.300	.0940	.0190	-.0450	-.0720	-.0620
.520	-.1570	-.2530	-.3710	-.3230	-.2640
.650	-.3960	-.0930	-.8950	-.4540	-.4460
.775	-.2890	-.4670	-.4720	-.3290	-.2130
.900		-.1720	-.1820	-.2400	-.1360

MACH (1) = .600 BETA (2) = -5.930

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2620	.0320	.0410	.2950	.2510
.050	.1460	.1340	.0630	.0220	.0020
.150	.0800	.0550	-.0170	-.0610	-.0530
.300	-.0110	-.0670	-.1650	-.1680	-.1210
.520	-.2320	-.3230	-.3890	-.2940	-.2930
.650	-.4145	-.9500	-1.0090	-.4990	-.4710
.775	-.2700	-.4800	-.5080	-.3660	-.2170
.900		-.1730	-.1820	-.2910	-.1370

MACH (1) = .599 BETA (3) = .100

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4510	.4250	.3850	.3490	.1070
.050	-.0250	-.2810	-.4960	-.5820	-.2800
.150	-.0750	-.1150	-.2180	-.2470	-.1960
.300	-.1370	-.2140	-.3080	-.2580	-.1950
.520	-.3110	-.4170	-.4610	-.2820	-.2710
.650	-.4100	-.9470	-.7430	-.2930	-.3730
.775	-.2530	-.5300	-.6680	-.2820	-.2190
.900		-.1890	-.5550	-.2620	-.2030

MACH (1) = .601 BETA (4) = 4.210

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1120	.1510	.0590	-.1550	-.4890
.050	-.4100	-.6430	-.8160	-.8010	-.8210
.150	-.2280	-.3570	-.5560	-.6510	-.5780
.300	-.2500	-.3420	-.5000	-.4910	-.2940
.520	-.3410	-.4860	-.6030	-.4130	-.3280
.650	-.3230	-.7830	-.7920	-.3390	-.4010
.775	-.2630	-.5580	-.6550	-.3110	-.2280
.900		-.1850	-.5420	-.2630	-.2260

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A (RBPV12)

AMES 11-7X7 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = 0.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.7330	-.5940	-.4160	-.7590	-1.0770
.050	-.6490	-1.0650	-.9810	-1.0920	-1.1190
.150	-.4300	-.9620	-.9670	-1.0240	-1.1050
.300	-.4580	-.5950	-.8970	-.9510	-.8980
.520	-.5160	-.5900	-.8480	-.7170	-.7140
.650	-.4150	-.6180	-.7340	-.5440	-.6010
.775	-.3210	-.3870	-.5430	-.5200	-.5050
.900		-.2010	-.3880	-.4010	-.4260

MACH (2) = .901 BETA (1) = -8.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1140	-.2220	-.4060	-.2220	-.0750
.050	.2920	.3200	.3330	.3190	.2090
.150	.2200	.2310	.2000	.1650	.0690
.300	.1380	.0990	.0680	.0140	-.0630
.520	-.0470	-.0390	-.1190	-.1700	-.3550
.650	-.3510	-1.0160	-.9570	-.4400	-.6070
.775	-.2760	-.7330	-.6010	-.3650	-.3270
.900		-.1920	-.5840	-.3670	-.3070

MACH (2) = .900 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3810	.1860	.0190	.2270	.1230
.050	.1120	.1110	.1870	.1650	.0840
.150	.0580	.0700	.0970	.0480	-.0190
.300	.0050	-.0020	-.0070	-.0720	-.0890
.520	-.1400	-.1040	-.1110	-.1690	-.3090
.650	-.4180	-1.1980	-.5930	-.4120	-.4970
.775	-.2590	-.6710	-.5680	-.3420	-.3250
.900		-.1980	-.5520	-.3260	-.2720

MACH (2) = .900 BETA (3) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4010	.3280	.3640	.4320	.2030
.050	-.0760	-.3240	-.3500	-.3200	-.2840
.150	-.1520	-.1190	-.1120	-.1500	-.1390
.300	-.1810	-.1620	-.1510	-.1780	-.1380
.520	-.2590	-.2100	-.1380	-.1480	-.2730
.650	-.4020	-1.1040	-.5590	-.5060	-.4950
.775	-.2530	-.7370	-.5400	-.3770	-.3460
.900		-.2390	-.5400	-.3910	-.3370

MACH (2) = .900 BETA (4) = 4.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3250	.3280	.2420	.1260	-.1790
.050	-.4260	-.7680	-.9530	-.8960	-.9[illegible]0
.150	-.2640	-.4530	-.7190	-.6530	-.7710
.300	-.3760	-.4420	-.5410	-.6390	-.7550

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV12)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9L0 BETA (4) = 4.28U

Z/BV	.158	.316	.6U0	.84U	.925
X/CV					
.52U	-.4420	-.4030	-.3240	-.4310	-.3630
.65U	-.3410	-.7410	-.7380	-.4190	-.5380
.775	-.2710	-.5700	-.6460	-.4060	-.3900
.900		-.2070	-.6650	-.3780	-.3690

MACH (2) = .9L3 BETA (5) = 8.45U

Z/BV	.158	.316	.6U0	.84U	.925
X/CV					
.000	-.0120	.0450	.0160	-.1690	-.4710
.050	-.5130	-.9710	-1.1540	-.7740	-.6350
.150	-.3570	-1.0270	-1.0560	-.7650	-.6460
.300	-.4910	-.5610	-1.0020	-.7370	-.5800
.52U	-.5830	-.5540	-.8970	-.6650	-.5840
.65U	-.4250	-.6630	-.7430	-.5430	-.5350
.775	-.3730	-.4610	-.8140	-.4960	-.5400
.9L0		-.2390	-.7600	-.4960	-.5140

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-FT OA12 OBA LEFT VERTICAL (RBPV13) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (1) = -8.030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3220	-.9950	-.7640	-.3860	-.2130
.050	.2380	.2770	.2600	.2340	.1540
.150	.1540	.1580	.1050	.0690	.0340
.300	.0610	-.0020	-.0630	-.0820	-.0810
.520	-.1560	-.2560	-.3700	-.3270	-.2680
.650	-.3860	-.8880	-.7220	-.4260	-.4270
.775	-.2810	-.4610	-.4620	-.3140	-.2090
.900		-.1810	-.1970	-.2330	-.1300

MACH (1) = .999 BETA (2) = -3.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1470	-.0460	-.0470	.1950	.1550
.050	.0770	.1010	.0630	.0100	-.0210
.150	.0300	.0180	-.0430	-.0760	-.0820
.300	-.0490	-.0910	-.1750	-.1820	-.1290
.520	-.2390	-.3350	-.4260	-.3360	-.3000
.650	-.3990	-.9350	-.8960	-.4480	-.4490
.775	-.2650	-.4940	-.5440	-.3610	-.2130
.900		-.1760	-.2060	-.2550	-.1330

MACH (1) = .998 BETA (3) = .100

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3860	.3760	.3180	.2650	.0140
.050	-.0730	-.3060	-.4810	-.5460	-.3210
.150	-.1070	-.1360	-.2380	-.2530	-.2110
.300	-.1590	-.2220	-.3160	-.2720	-.1970
.520	-.3040	-.4170	-.4790	-.3060	-.2710
.650	-.3750	-.9150	-.7600	-.3220	-.3360
.775	-.2560	-.5200	-.6870	-.2750	-.2090
.900		-.2020	-.5020	-.2450	-.1990

MACH (1) = .999 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0370	.0730	-.0460	-.2850	-.6450
.050	-.3000	-.6710	-.7740	-.7910	-.8340
.150	-.2680	-.3670	-.6050	-.6800	-.6160
.300	-.2900	-.3550	-.5180	-.4950	-.3530
.520	-.3600	-.4700	-.6090	-.4280	-.3320
.650	-.3050	-.6850	-.7840	-.3470	-.3760
.775	-.2870	-.4340	-.6840	-.3260	-.2440
.900		-.1990	-.5800	-.2620	-.2310

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV13)

AMES 11-7U7 OA12 O2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.270

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5710	-.6750	-.5390	-.9150	-.9700
.050	-.5610	-1.1470	-.9950	-1.1150	-.8440
.150	-.4750	-.9800	-.9910	-1.1300	-.7820
.300	-.4510	-.5340	-1.0210	-1.0660	-.6280
.520	-.4980	-.5600	-.8440	-.7610	-.5670
.650	-.4010	-.6430	-.6810	-.5620	-.5240
.775	-.3560	-.4340	-.5680	-.5290	-.4830
.900		-.2110	-.3840	-.4130	-.4610

MACH (2) = .907 BETA (1) = -8.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1170	-.2890	-.5830	-.3020	-.1660
.050	.1780	.2670	.2920	.2840	.1810
.150	.1450	.1890	.1780	.1420	.0510
.300	.0950	.0740	.0330	-.0030	-.0730
.520	-.0610	-.0480	-.1440	-.1900	-.3510
.650	-.3370	-.9070	-1.1300	-.4280	-.4640
.775	-.2550	-.6600	-.4770	-.3820	-.3110
.900		-.1790	-.4450	-.3470	-.2910

MACH (2) = .899 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1660	.0980	-.0940	.1310	.0250
.050	-.0170	.0620	.1520	.1350	.0470
.150	-.0360	.0280	.0670	.0240	-.0540
.300	-.0460	-.0520	-.0330	-.0930	-.1260
.520	-.1690	-.1250	-.1380	-.1800	-.2980
.650	-.3640	-1.1990	-.7130	-.3330	-.4580
.775	-.2500	-.6390	-.6050	-.2960	-.2930
.900		-.1830	-.5690	-.2920	-.2400

MACH (2) = .901 BETA (3) = .100

Z/BV	.158	.316	.600	.840	.525
X/CV					
.000	.3050	.2670	.2840	.3510	.1120
.050	-.1780	-.3960	-.3150	-.3820	-.3100
.150	-.21	-.1530	-.1170	-.1660	-.1570
.300	-.2450	-.1730	-.1630	-.2060	-.1600
.520	-.2560	-.2040	-.1820	-.1860	-.2920
.650	-.3570	-1.2040	-.5760	-.4390	-.4560
.775	-.2430	-.6420	-.5390	-.3670	-.3150
.900		-.2210	-.5400	-.3550	-.3040

MACH (2) = .905 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1410	.2530	.1410	.0410	-.2990
.050	-.2330	-.8260	-.7870	-.7370	-1.0880
.150	-.3120	-.4280	-.7350	-.6460	-1.0630
.300	-.4200	-.4560	-.4920	-.5660	-.7910

AMES 11-7D7 OA12 OBA LEFT VERTICAL (RBPV13)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.325	-.4090	-.2750	-.2220	-.4210	-.2390
.650	-.2890	-.7240	-1.0100	-.3340	-.3910
.775	-.2540	-.4570	-.6400	-.3220	-.2680
.900		-.1940	-.6970	-.3100	-.2620

MACH (2) = .903 BETA (5) = 8.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0320	-.0480	-.1050	-.3460	-.6080
.050	-.3900	-1.0070	-1.1700	-.7670	-.6040
.150	-.3890	-1.0380	-1.0290	-.7670	-.5960
.300	-.5300	-.5780	-1.0480	-.7180	-.5560
.520	-.5940	-.4840	-.9300	-.6130	-.5690
.650	-.3870	-.5280	-.7870	-.5370	-.5350
.775	-.3640	-.4580	-.7280	-.4660	-.5250
.900		-.2440	-.6440	-.4250	-.5100

AMES 11-7ft OA12 OEA LEFT VERTICAL (RBPV14) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.2310	-1.1110	-.9110	-.5920	-.3810
.050	.1560	.2400	.2360	.2180	.1320
.150	.1070	.1430	.0900	.0800	.0170
.300	.0390	-.0060	-.0670	-.0840	-.0900
.520	-.1530	-.2520	-.3600	-.3300	-.2520
.650	-.3740	-.8760	-.7440	-.4170	-.4020
.775	-.2700	-.4500	-.4130	-.2960	-.1840
.900		-.1960	-.1900	-.1090	-.1130

MACH (1) = .600 BETA (2) = -3.980

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1890	-.1300	-.1860	.0980	.0610
.050	-.0140	.0820	.0590	.0150	-.0260
.150	-.0310	.0100	-.0450	-.0790	-.0620
.300	-.0890	-.1140	-.1770	-.1830	-.1430
.520	-.2490	-.3370	-.4330	-.3490	-.2950
.650	-.3920	-.9460	-.8000	-.3520	-.4190
.775	-.2640	-.4900	-.5500	-.3060	-.1990
.900		-.2000	-.2160	-.2410	-.1180

MACH (1) = .599 BETA (3) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3270	.3330	.2510	.1860	-.0680
.050	-.1230	-.1560	-.4160	-.4780	-.3450
.150	-.1450	-.1580	-.2470	-.2670	-.2130
.300	-.1930	-.2440	-.3290	-.2790	-.1980
.520	-.3390	-.4330	-.4950	-.3140	-.2720
.650	-.4230	-.9460	-.7760	-.3420	-.3540
.775	-.2670	-.5410	-.6830	-.2820	-.2180
.900		-.2170	-.4720	-.2490	-.1980

MACH (1) = .599 BETA (4) = 4.170

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1520	-.0480	-.1540	-.4480	-.8060
.050	-.2600	-.7120	-.7730	-.7080	-.8510
.150	-.2820	-.3530	-.6810	-.7090	-.7380
.300	-.3040	-.3720	-.5390	-.5570	-.4070
.520	-.3800	-.4840	-.5940	-.4580	-.3380
.650	-.3250	-.6900	-.7740	-.3500	-.3830
.775	-.2470	-.4580	-.7140	-.3020	-.2390
.900		-.2110	-.5390	-.2680	-.2330

AMES 11-7U7 CA12 CBA LEFT VERTICAL (RBPV14)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .802 BETA (3) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3580	-.7750	-.6630	-1.0770	-1.1130
.050	-.5090	-1.2120	-1.0030	-1.1540	-.8740
.150	-.4800	-.7970	-1.0610	-1.2180	-.8330
.300	-.4570	-.5220	-1.2190	-1.2060	-.6640
.520	-.4650	-.5540	-.7250	-.7600	-.6250
.650	-.3430	-.6660	-.6230	-.4770	-.5530
.775	-.3160	-.4280	-.6110	-.4530	-.4980
.900		-.2400	-.3710	-.3110	-.4480

MACH (2) = .902 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1240	-.3140	-.7190	-.5080	-.3540
.050	.0180	.1680	.2180	.2140	.1140
.150	.0250	.1210	.1130	.0890	-.0120
.300	.0070	.0190	-.0087	-.0590	-.1260
.520	-.1170	-.0840	-.1700	-.2580	-.3740
.650	-.3900	-.9460	-1.0400	-.3820	-.4040
.775	-.2630	-.6850	-.5330	-.3770	-.2850
.900		-.2050	-.4970	-.3140	-.2650

MACH (2) = .901 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0970	.0150	-.2120	-.0050	-.0990
.050	-.1850	-.0140	.0990	.1010	.0120
.150	-.1580	-.0230	.0130	-.0080	-.0960
.300	-.1430	-.0960	-.1670	-.1270	-.1310
.520	-.2080	-.1520	-.1840	-.1980	-.3000
.650	-.3700	-1.1370	-.6920	-.3240	-.4370
.775	-.2450	-.6360	-.5810	-.2970	-.2810
.900		-.1960	-.5680	-.2910	-.2290

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2580	.1830	.2140	.2680	.0160
.050	-.2390	-.4010	-.3120	-.3600	-.3230
.150	-.2830	-.2390	-.1520	-.1850	-.1800
.300	-.3140	-.2550	-.1940	-.2280	-.1810
.520	-.3220	-.2510	-.2040	-.2190	-.2740
.650	-.3470	-1.0910	-.6230	-.3790	-.4460
.775	-.2710	-.6090	-.5860	-.3360	-.3000
.900		-.2190	-.5820	-.3320	-.2810

MACH (2) = .900 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1050	.1620	.0120	-.1110	-.4410
.050	-.2160	-.7450	-.8580	-.8620	-1.0800
.150	-.3090	-.4410	-.7870	-.6330	-1.0870
.300	-.4170	-.4560	-.4690	-.6100	-.6940

DATE 13 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV14)

AMES 11-7U7 OA12 O2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .940 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4220	-.3850	-.2700	-.4680	-.2410
.650	-.3080	-.[illegible]30	-.9920	-.3180	-.3320
.775	-.2790	-.4280	-.6800	-.3140	-.2640
.900		-.2280	-.8190	-.2980	-.2580

MACH (2) = .946 BETA (5) = 8.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0140	-.0760	-.2390	-.5100	-.7250
.050	-.3250	-.9980	-1.0490	-.7980	-.6620
.150	-.3770	-.6040	-1.0250	-.7780	-.6590
.300	-.4980	-.5900	-1.1410	-.7310	-.5740
.520	-.5180	-.4700	-.7640	-.6230	-.5540
.650	-.3500	-.5120	-.5370	-.5350	-.5240
.775	-.3410	-.4160	-.5990	-.4780	-.4980
.900		-.2710	-.5870	-.4180	-.4980

AMES 11-7D7 OA12 OBA LEFT VERTICAL (RBPV15) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0180	-.9750	-.9980	-.6490	-.4540
.050	.0180	.1740	.1930	.1840	.0950
.150	.0080	.0940	.0840	.0480	-.0060
.300	-.0430	-.0360	-.0870	-.0910	-.1080
.520	-.2030	-.2710	-.3680	-.3340	-.2540
.650	-.3840	-.8880	-.7400	-.4120	-.3790
.775	-.2880	-.4700	-.4050	-.2890	-.1820
.900		-.2310	-.1990	-.1580	-.1080

MACH (1) = .599 BETA (2) = -3.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2990	-.1350	-.2230	.0380	-.0490
.050	-.1350	.0210	.0330	-.0080	-.0400
.150	-.1270	-.0320	-.0700	-.1000	-.1000
.300	-.1680	-.1480	-.2080	-.1910	-.1500
.520	-.3170	-.3610	-.4450	-.3610	-.2320
.650	-.4530	-.9970	-.8150	-.3880	-.4090
.775	-.2730	-.3180	-.5580	-.2820	-.1980
.900		-.2410	-.2210	-.1860	-.1130

MACH (1) = .600 BETA (3) = .100

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3140	.2940	.1980	.1230	-.1350
.050	-.1760	-.1880	-.4450	-.4810	-.3850
.150	-.1980	-.1950	-.2720	-.2850	-.2160
.300	-.2400	-.2740	-.3550	-.2860	-.2040
.520	-.3920	-.4660	-.5090	-.3190	-.2710
.650	-.4810	-1.0210	-.7860	-.3280	-.3480
.775	-.3160	-.5900	-.6740	-.2880	-.2220
.900		-.2630	-.4880	-.2520	-.1910

MACH (1) = .599 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2810	-.0400	-.2580	-.5920	-.9480
.050	-.2390	-.7670	-.8040	-.8120	-.9050
.150	-.2790	-.3680	-.7810	-.7570	-.9570
.300	-.3140	-.4120	-.5790	-.6450	-.5380
.520	-.3940	-.5410	-.6200	-.4800	-.3160
.650	-.3650	-.8160	-.8030	-.3650	-.3810
.775	-.3120	-.5830	-.7230	-.3060	-.2770
.900		-.2640	-.4910	-.2710	-.2500

AMES 11-7X7 OA12 OBA LEFT VERTICAL (RBPV15)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (5) = 8.260

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1080	-.7710	-.7910	-1.2280	-1.1690
.050	-.4680	-1.2240	-1.0700	-1.1930	-.8900
.150	-.4570	-.5880	-1.2300	-1.2920	-.8820
.300	-.4700	-.5450	-1.2740	-1.2700	-.6970
.520	-.4830	-.5220	-.6180	-.7020	-.6740
.650	-.3780	-.7120	-.6240	-.4210	-.5800
.775	-.3140	-.4960	-.6560	-.3550	-.4890
.900		-.2690	-.3900	-.2320	-.4310

MACH (2) = .901 BETA (1) = -8.120

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0610	-.2990	-.7870	-.6210	-.4460
.050	-.2640	.1260	.1750	.1780	.0640
.150	-.2160	.0130	.0740	.0580	-.0380
.300	-.1730	-.0570	-.0420	-.0830	-.1400
.520	-.2220	-.1110	-.1930	-.2450	-.3500
.650	-.3870	-1.0970	-.9350	-.3790	-.4360
.775	-.2780	-.6550	-.6170	-.3420	-.2800
.900		-.2270	-.5860	-.3270	-.2640

MACH (2) = .900 BETA (2) = -4.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0770	-.1020	-.2640	-.0640	-.1410
.050	-.5750	-.2440	.0400	.0790	-.1060
.150	-.3660	-.1910	-.0160	-.0250	-.1080
.300	-.3440	-.2110	-.0910	-.1390	-.1530
.520	-.3200	-.2050	-.1760	-.2440	-.2980
.650	-.3170	-1.0140	-.8310	-.3380	-.3970
.775	-.2710	-.5360	-.5830	-.2970	-.2730
.900		-.2220	-.5640	-.2810	-.2220

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3480	.1620	.0300	.2290	-.0250
.050	-.3700	-.5110	-.4690	-.3580	-.3440
.150	-.3580	-.3870	-.1780	-.1850	-.1910
.300	-.4500	-.4070	-.1900	-.2380	-.1910
.520	-.4350	-.2980	-.2140	-.2330	-.3000
.650	-.4010	-.8860	-.6990	-.3900	-.4710
.775	-.3150	-.6070	-.5960	-.3510	-.3030
.900		-.2600	-.5750	-.3430	-.2790

MACH (2) = .899 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0770	.0870	-.0650	-.2340	-.5660
.050	-.1720	-.6400	-.9480	-.6690	-.9920
.150	-.3010	-.4920	-.8530	-.6290	-1.0640
.300	-.4560	-.5390	-.4990	-.6300	-.6060

DATE 10 DEP 73 TABULATED PRESSURE DATA - OA12A (RBPV15)

AMES 11-7U7 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.210

Z/BV	.150	.316	.600	.840	.925
X/CV					
.520	-.4830	-.4660	-.3350	-.4740	-.2970
.650	-.3620	-.6050	-.7890	-.3650	-.3650
.775	-.3340	-.4840	-.6490	-.3180	-.3020
.900		-.2670	-.7270	-.2910	-.2680

MACH (2) = .899 BETA (5) = 8.340

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.0330	-.1040	-.3200	-.6570	-.8040
.050	-.2970	-.8750	-1.0660	-.8150	-.6750
.150	-.3790	-.5590	-1.1250	-.7810	-.6830
.300	-.4930	-.6100	-1.1770	-.7480	-.5920
.520	-.5320	-.5340	-.4470	-.6530	-.5650
.650	-.3650	-.5900	-.5450	-.5630	-.5340
.775	-.3710	-.4650	-.5450	-.4770	-.5050
.900		-.3040	-.5490	-.4030	-.5040

AMES 11-7D7 OA12 O2A LEFT VERTICAL (RBPV16) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5500 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0810	-.8650	-1.1530	-.7630	-.5800
.050	-.2670	.1120	.1680	.1700	.0760
.150	-.1530	.0550	.0520	.0410	-.0180
.300	-.1500	-.0580	-.0930	-.0940	-.1080
.520	-.2900	-.2760	-.3570	-.3290	-.2430
.650	-.4150	-.8860	-.7470	-.4070	-.3420
.775	-.3690	-.4800	-.3880	-.2890	-.1430
.900		-.2730	-.2120	-.1370	-.0980

MACH (1) = .598 BETA (2) = -3.950

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3590	-.0420	-.3030	-.0390	-.0750
.050	-.2740	-.0230	.0190	-.0010	-.0420
.150	-.2160	-.0570	-.0850	-.1010	-.1070
.300	-.2460	-.1650	-.2060	-.1930	-.1610
.520	-.3990	-.3730	-.4560	-.3500	-.2910
.650	-.5150	-1.0560	-.8260	-.4110	-.4070
.775	-.3280	-.5540	-.5550	-.2820	-.1940
.900		-.2830	-.2330	-.2010	-.1130

MACH (1) = .601 BETA (3) = .100

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3820	.3030	.1650	.0750	-.1710
.050	-.2250	-.2230	-.4220	-.4150	-.3810
.150	-.2310	-.2150	-.2780	-.2680	-.2110
.300	-.2730	-.3010	-.3510	-.2840	-.1960
.520	-.4340	-.4850	-.5010	-.3070	-.2620
.650	-.5310	-1.1170	-.7340	-.3620	-.3470
.775	-.3770	-.6560	-.6530	-.2590	-.2170
.900		-.3120	-.5080	-.2450	-.1940

MACH (1) = .597 BETA (4) = 4.000

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3880	-.0310	-.3890	-.7240	-1.0870
.050	-.2190	-.7740	-.8540	-.8520	-1.0480
.150	-.2820	-.3930	-.8890	-.8260	-1.1280
.300	-.3370	-.4380	-.6420	-.7460	-.5710
.520	-.4350	-.5810	-.6410	-.4650	-.3400
.650	-.4280	-.9780	-.8390	-.3840	-.3990
.775	-.3490	-.6680	-.7270	-.2940	-.3040
.900		-.3220	-.4840	-.2710	-.2650

ANES 11-707 OA12 OZA LEFT VERTICAL (RBPV16)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .604 BETA (5) = 8.320

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1920	-.7200	-.9530	-1.3500	-1.0690
.050	-.2930	-.9220	-1.2100	-1.1890	-.8510
.150	-.3930	-.5980	-1.5240	-1.2530	-.8090
.300	-.4470	-.6040	-1.1960	-1.2290	-.6680
.520	-.5020	-.6760	-.6170	-.7550	-.6650
.650	-.4360	-.9010	-.6820	-.5020	-.5850
.775	-.3520	-.6350	-.7140	-.3850	-.5450
.900		-.3080	-.2420	-.3220	-.4920

MACH (2) = .898 BETA (1) = -8.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1900	-.3270	-.8380	-.7630	-.5830
.050	-.7590	-.5200	.1310	.1480	.0400
.150	-.5240	-.2780	.0430	.0410	-.0850
.300	-.4490	-.1640	-.0540	-.1010	-.1970
.520	-.3130	-.1920	-.2160	-.2910	-.4070
.650	-.3750	-1.0400	-.8060	-.4230	-.4380
.775	-.3190	-.6070	-.7140	-.3830	-.3060
.900		-.2970	-.6370	-.3650	-.2600

MACH (2) = .897 BETA (2) = -3.960

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1130	-.0390	-.1840	-.1010	-.2250
.050	-1.0560	-.8380	.0420	.0595	-.0320
.150	-.5390	-.5240	-.0170	-.0380	-.1410
.300	-.5100	-.3600	-.0930	-.1460	-.1840
.520	-.3690	-.3350	-.1880	-.2530	-.3280
.650	-.3460	-.9230	-.7320	-.4560	-.5190
.775	-.3200	-.4830	-.6690	-.3990	-.3590
.900		-.2930	-.6150	-.3780	-.2980

MACH (2) = .897 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4450	.2060	.1440	.1810	-.0840
.050	-.7110	-.7260	-.2730	-.3470	-.3350
.150	-.4410	-.4610	-.1260	-.1920	-.2210
.300	-.5260	-.5390	-.1780	-.2530	-.2200
.520	-.5070	-.2760	-.2140	-.2730	-.3550
.650	-.4590	-1.2450	-.6250	-.5030	-.5020
.775	-.3710	-.7880	-.6110	-.4240	-.3830
.900		-.3430	-.5840	-.4220	-.3610

MACH (2) = .898 BETA (4) = 4.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1160	-.2660	.0460	-.2370	-.6150
.050	-.0360	-.2290	-.9220	-.6870	-.9840
.150	-.1810	-.3470	-.5370	-.6890	-1.0720
.300	-.3720	-.47[illegible]	-.3190	-.6090	-.3910

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV16)

AMES 11-7D7 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.24D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.52D	-.4590	-.4D7D	-.344D	-.426D	-.355D
.65D	-.542D	-.937D	-.767D	-.41DD	-.45DD
.775	-.394D	-.693D	-.716D	-.389D	-.349D
.9DD		-.333D	-.47[illegible]	-.368D	-.331D

MACH (2) = .899 BETA (5) = 8.37D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.1DD	-.1D7D	-.333D	-.381D	-.768D	-.888D
.15D	-.168D	-.457D	-1.D78D	-1.D8DD	-.763D
.2DD	-.291D	-.5DDD	-1.18DD	-1.D21D	-.737D
.3DD	-.451D	-.561D	-.655D	-.96DD	-.633D
.52D	-.518D	-.571D	-.6D8D	-.766D	-.582D
.65D	-.479D	-.824D	-.849D	-.587D	-.571D
.775	-.387D	-.657D	-.83DD	-.481D	-.568D
.9DD		-.332D	-.562D	-.384D	-.554D

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV17) (01 MAY 73)

AMES 11-7U7 OA12 OPA LEFT VERTICAL

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.849U INCHES YMRP = .0000 INCHES
BREF = 39.849U INCHES ZMRP = .0000 INCHES
SCALE = .03UU SCALE

PARAMETRIC DATA

ALPHA = .UUU RUDDER = .UUU
ELEVON = 10.UUU RUDFLR = .UUU

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) =-10.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7490	-1.6820	-1.2310	-1.0420	-.6790
.050	.3540	.3860	.3930	.4000	.2830
.150	.2550	.2580	.2480	.2270	.1440
.300	.1470	.0860	.1050	.0670	-.0090
.520	-.1030	-.0950	-.1640	-.2250	-.2190
.650	-.3480	-.3880	-.3400	-.3460	-.2970
.775	-.2500	-.2290	-.2000	-.1760	-.1630
.900		-.1950	-.1870	-.1470	-.1550

MACH (1) = .598 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4390	.4090	.3350	.4060	.2480
.050	-.0340	-.2710	-.3130	-.3140	-.1410
.150	-.0840	-.1100	-.1460	-.1550	-.1320
.300	-.1380	-.1890	-.2140	-.2160	-.1890
.520	-.2870	-.3040	-.3810	-.3850	-.3580
.650	-.3560	-.4750	-.5300	-.4550	-.4230
.775	-.2010	-.2560	-.2570	-.1970	-.1450
.900		-.1660	-.1470	-.0830	-.0500

MACH (1) = .600 BETA (3) = 10.370

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-1.0010	-.8560	-.4050	-.6090	-.8850
.050	-.7940	-1.3070	-.8520	-.8760	-.9740
.150	-.5600	-1.0640	-.7960	-.8650	-1.0440
.300	-.5260	-.6670	-.7210	-.8630	-.7940
.520	-.5340	-.4890	-.6320	-.6490	-.5000
.650	-.4140	-.3830	-.5070	-.4980	-.4410
.775	-.2650	-.2820	-.3990	-.4360	-.3480
.900		-.1900	-.2800	-.3010	-.2810

MACH (2) = .900 BETA (1) =-10.120

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0380	-.4420	-.6040	-.4260	-.2280
.050	.3190	.3670	.3670	.3560	.2330
.150	.2420	.2660	.2330	.1920	.0870
.300	.1680	.1230	.0950	.0310	-.0910
.520	-.0310	-.0510	-.1700	-.2570	-.3880
.650	-.3810	-.8040	-1.0040	-1.0270	-.9900
.775	-.2820	-.3410	-.2880	-.5160	-.4350
.900		-.2190	-.3370	-.4340	-.3480

AMES 11-7U7 OA12 OBA LEFT VERTICAL (RBFV17)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3800	.3120	.3140	.4020	.1920
.050	-.0970	-.3730	-.4060	-.3560	-.2430
.150	-.1690	-.1750	-.1650	-.1840	-.1650
.300	-.2380	-.2180	-.1960	-.2340	-.2020
.520	-.2880	-.3080	-.3270	-.3140	-.3640
.650	-.3550	-.5620	-1.1120	-1.0680	-.6710
.775	-.2700	-.3390	-.5110	-.5090	-.3640
.900		-.2040	-.2360	-.3300	-.2460

MACH (2) = .903 BETA (3) = 10.490

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1370	-.0770	-.0590	-.1960	-.4840
.050	-.4860	-1.0680	-1.1670	-.7570	-.6110
.150	-.4270	-1.1900	-1.1410	-.7820	-.6150
.300	-.5610	-.6270	-1.1280	-.7140	-.5480
.520	-.6450	-.5350	-.9450	-.6350	-.5410
.650	-.4340	-.3590	-.8410	-.5760	-.4690
.775	-.3440	-.3530	-.7040	-.5170	-.4400
.900		-.2180	-.5420	-.4780	-.4070

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV18) (01 MAY 73)

REFERENCE DATA

BREF = 2.4210 50.FT. XMRP = 28.5300 INCHES
LREF = 50.8490 INCHES YMRP = .0000 INCHES
BREF = 50.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.070

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	-.6680	-1.7780	-1.2880	-1.1910	-.8480
.050	.2870	.3270	.3570	.3460	.2280
.150	.1950	.2180	.2110	.2000	.1090
.300	.1010	.0610	.0820	.0520	-.0440
.520	-.1240	-.1080	-.1550	-.2210	-.2210
.650	-.3520	-.3650	-.3140	-.3220	-.2770
.775	-.2570	-.2260	-.1860	-.1620	-.1680
.900		-.2080	-.1710	-.1440	-.1580

MACH (1) = .898 BETA (2) = .080

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.3630	.3580	.2690	.3320	.1830
.050	-.0680	-.2730	-.3010	-.3100	-.1440
.150	-.1230	-.1300	-.1580	-.1620	-.1340
.300	-.1660	-.2040	-.2140	-.2090	-.1890
.520	-.2830	-.2990	-.3710	-.3580	-.3310
.650	-.3220	-.4490	-.4960	-.4190	-.3870
.775	-.2050	-.2490	-.2440	-.1860	-.1370
.900		-.1790	-.1420	-.0750	-.0540

MACH (1) = .598 BETA (3) = 10.300

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	-.7930	-.9950	-.5310	-.7850	-.9380
.050	-.6680	-1.4560	-.8510	-.9310	-.8400
.150	-.5800	-.9880	-.8190	-.9720	-.8440
.300	-.5270	-.6130	-.8690	-1.1250	-.6460
.520	-.5150	-.4580	-.6800	-.6610	-.6100
.650	-.3740	-.3880	-.5190	-.4310	-.5340
.775	-.3320	-.3110	-.3850	-.3360	-.4270
.900		-.2050	-.2800	-.2260	-.3480

MACH (2) = .899 BETA (1) =-10.190

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.0170	-.4650	-.7160	-.5810	-.3540
.050	.1880	.2880	.3080	.3020	.1850
.150	.1510	.2100	.1890	.1550	.0430
.300	.1050	.0830	.0570	-.0030	-.1340
.520	-.0610	-.0770	-.2020	-.2860	-.4090
.650	-.3770	-.6970	-.9290	-.9300	-.8480
.775	-.2750	-.3110	-.3080	-.4640	-.3680
.900		-.2160	-.3420	-.4050	-.3240

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV18)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2680	.2210	.2350	.3270	.1120
.050	-.1870	-.4710	-.3780	-.3580	-.2910
.150	-.2730	-.3310	-.1610	-.2000	-.1890
.300	-.3790	-.3220	-.1910	-.2580	-.2310
.520	-.3540	-.2800	-.3480	-.3570	-.3910
.650	-.3040	-.4990	-1.0980	-.7240	-.4940
.775	-.2540	-.2980	-.4500	-.4520	-.2990
.900		-.1940	-.2250	-.3480	-.1840

MACH (2) = .895 BETA (3) = 10.420

Z/BV / X/CV	.158	.316	.60	.840	.925
.000	-.0460	-.1320	-.1850	-.3400	-.5730
.050	-.4940	-1.0940	-1.1970	-.7130	-.5630
.150	-.4540	-1.1870	-1.1890	-.6660	-.5650
.300	-.5920	-.6490	-1.1710	-.6200	-.5330
.520	-.6190	-.4440	-.9360	-.5830	-.5220
.650	-.3550	-.3300	-.7440	-.5580	-.4820
.775	-.3410	-.3570	-.5220	-.5230	-.4440
.900		-.2340	-.4120	-.5050	-.4050

AMES 11-7UT OA12 C2A LEFT VERTICAL (RBPV19) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) =-10.110

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.5450	-1.0250	-1.3000	-1.2240	-.9250
.050	.1940	.2820	.2960	.3000	.1830
.150	.1350	.1830	.1870	.1780	.0840
.300	.0730	.0420	.0670	.0380	-.0810
.520	-.1270	-.1100	-.1430	-.2020	-.2050
.650	-.3520	-.3650	-.2900	-.2960	-.2500
.775	-.2510	-.2180	-.1770	-.1570	-.1670
.900		-.2150	-.1570	-.1340	-.1570

MACH (1) = .987 BETA (2) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3130	.3140	.2080	.2630	.0470
.050	-.1450	-.1830	-.2950	-.3010	-.1510
.150	-.1670	-.1840	-.1780	-.1770	-.1510
.300	-.2050	-.2300	-.2230	-.2150	-.1940
.520	-.3220	-.3200	-.3870	-.3540	-.3240
.650	-.3530	-.4770	-.4090	-.4040	-.3580
.775	-.2040	-.2700	-.2490	-.1840	-.1340
.900		-.1990	-.1520	-.0770	-.0410

MACH (1) = .900 BETA (3) = 10.270

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.5210	-1.1110	-.7020	-.8080	-.9720
.050	-.0080	-1.6910	-.9140	-.9840	-.7820
.150	-.5830	-.8080	-.8820	-1.0740	-.7780
.300	-.5530	-.5960	-1.0390	-1.2180	-.6440
.520	-.5010	-.4520	-.7210	-.5840	-.6880
.650	-.3380	-.4170	-.5370	-.3580	-.5480
.775	-.3200	-.3510	-.3080	-.3040	-.4210
.900		-.2390	-.2340	-.2330	-.3150

MACH (2) = .904 BETA (1) =-10.210

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1070	-.4780	-.8780	-.7990	-.9110
.050	.0400	.1980	.2340	.2330	.1220
.150	.0380	.1300	.1240	.1120	.0010
.300	.0100	.0170	.0050	-.0000	-.1740
.520	-.1280	-.1150	-.2350	-.3010	-.4380
.650	-.4070	-.7040	-.6530	-.5740	-.6190
.775	-.2770	-.3150	-.3080	-.4280	-.2430
.900		-.2260	-.3540	-.2870	-.2540

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV19)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .U9U

Z/BV / X/CV	.158	.316	.600	.840	.925
.UU0	.2500	.1680	.1440	.2090	-.U110
.050	-.2620	-.4460	-.4510	-.3980	-.3540
.150	-.3180	-.2570	-.2580	-.2460	-.2280
.300	-.3300	-.2880	-.2570	-.2880	-.2670
.520	-.3460	-.3520	-.3780	-.3920	-.4320
.650	-.3540	-.5350	-1.U460	-.8380	-.4780
.775	-.2700	-.3480	-.4530	-.4750	-.3100
.900		-.2330	-.2720	-.3190	-.1690

MACH (2) = .897 BETA (3) = 10.36U

Z/BV / X/CV	.158	.316	.600	.840	.925
.UU0	-.0150	-.2060	-.3380	-.5250	-.6450
.U50	-.4600	-1.U580	-1.1450	-.6820	-.5580
.150	-.4280	-.7350	-1.1680	-.6670	-.5180
.300	-.5560	-.6690	-1.2200	-.6390	-.4970
.520	-.5580	-.4530	-.8560	-.5980	-.5190
.650	-.3440	-.3460	-.3090	-.585C	-.4870
.775	-.3420	-.3670	-.2230	-.5480	-.4490
.900		-.2450	-.2440	-.5090	-.4120

AMES 11-7D? OA12 OBA LEFT VERTICAL (RBPVEO) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (1) =-10.000

Z/BV / X/CV	.150	.310	.600	.840	.925
.000	-.3350	-1.7870	-1.4180	-1.0040	-.7840
.050	.0980	.2270	.2840	.2770	.1540
.150	.0690	.1520	.1840	.1630	.0630
.300	.0230	.0290	.0630	.0300	-.0830
.520	-.1420	-.1190	-.1300	-.1980	-.2020
.650	-.3580	-.3770	-.2780	-.2780	-.2500
.775	-.2720	-.2280	-.1720	-.1480	-.1830
.900		-.2520	-.1550	-.1620	-.2050

MACH (1) = .300 BETA (2) = .000

Z/BV / X/CV	.150	.310	.600	.840	.925
.000	.3070	.2730	.1340	.2070	.0910
.050	-.1960	-.2010	-.3260	-.2950	-.1840
.150	-.2130	-.2010	-.2030	-.1730	-.1530
.300	-.2460	-.2700	-.2460	-.2190	-.1880
.520	-.3720	-.3550	-.3790	-.3400	-.3180
.650	-.3990	-.5300	-.5000	-.3900	-.3380
.775	-.2380	-.3070	-.2630	-.1840	-.1290
.900		-.2590	-.1640	-.0820	-.0440

MACH (1) = .300 BETA (3) = 10.000

Z/BV / X/CV	.150	.310	.600	.840	.925
.000	-.2730	-1.1570	-.8380	-.9560	-.9220
.050	-.5950	-1.5500	-.9930	-.9060	-.6700
.150	-.5810	-.8290	-1.0740	-1.0490	-.6630
.300	-.5690	-.8010	-1.2890	-.9850	-.5200
.520	-.5180	-.4880	-.5940	-.5640	-.5340
.650	-.3710	-.4570	-.5280	-.4250	-.4490
.775	-.3120	-.4110	-.3220	-.3640	-.3650
.900		-.2750	-.2080	-.2980	-.3070

MACH (2) = .800 BETA (1) =-10.190

Z/BV / X/CV	.150	.310	.600	.840	.925
.000	.0920	-.4410	-.9620	-.9480	-.6140
.050	-.1990	.1560	.1810	.1980	.0950
.150	-.1830	.1240	.0910	.0790	-.0130
.300	-.1500	-.0480	-.0210	-.0500	-.1920
.520	-.2290	-.1400	-.2800	-.3060	-.4400
.650	-.4270	-.6880	-.5100	-.4510	-.5010
.775	-.2930	-.3060	-.3010	-.3550	-.2400
.900		-.2520	-.3560	-.2160	-.2370

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV20)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9U0 BETA (2) = .U7U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.3510	.1590	.UU2U	.186U	-.U28U
.U5U	-.4U8U	-.541U	-.513U	-.325U	-.33UU
.15U	-.368U	-.4U2U	-.336U	-.222U	-.222U
.3UU	-.454U	-.413U	-.342U	-.275U	-.263U
.52U	-.445U	-.43UU	-.382U	-.395U	-.444U
.65U	-.4U1U	-.524U	-.957U	-.988U	-.535U
.775	-.314U	-.397U	-.433U	-.487U	-.339U
.9UU		-.278U	-.356U	-.248U	-.165U

MACH (2) = .9U2 BETA (3) = 10.3RU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.U29U	-.175U	-.4U5U	-.655U	-.713U
.U5U	-.369U	-.959U	-1.11BU	-.826U	-.553U
.15U	-.422U	-.594U	-1.22BU	-.76UU	-.551U
.3UU	-.531U	-.645U	-1.239U	-.7UUU	-.49UU
.52U	-.548U	-.5UUU	-.45UU	-.656U	-.537U
.65U	-.364U	-.393U	-.375U	-.8U2U	-.52UU
.775	-.343U	-.444U	-.261U	-.525U	-.47UU
.9UU		-.274U	-.257U	-.468U	-.419U

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV21) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) =-10.030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0090	-1.6810	-1.4540	-.7550	-.6220
.050	-.1100	.1840	.2280	.2470	.1110
.150	-.0550	.1050	.1580	.1450	.0340
.300	-.0850	-.0010	.0530	.0200	-.1090
.520	-.2080	-.1330	-.1280	-.1960	-.2170
.650	-.3900	-.3910	-.2730	-.2040	-.2570
.775	-.3100	-.2490	-.1770	-.1680	-.2030
.900		-.3030	-.1680	-.1880	-.2350

MACH (1) = .801 BETA (2) = .070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3670	.2830	.1220	.1680	-.0090
.050	-.2380	-.2350	-.3010	-.2830	-.1480
.150	-.2450	-.2160	-.2140	-.1850	-.1610
.300	-.2720	-.2820	-.2540	-.2270	-.1980
.520	-.4050	-.3820	-.3920	-.3380	-.3000
.650	-.4450	-.5870	-.5140	-.3810	-.3270
.775	-.2930	-.3450	-.2780	-.1840	-.1240
.900		-.2940	-.1730	-.0870	-.1420

MACH (1) = .500 BETA (3) = 10.370

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0080	-1.0970	-.9920	-1.0350	-.8420
.050	-.4610	-1.2270	-1.1170	-.8740	-.6120
.150	-.5000	-.6650	-1.2130	-.9110	-.5840
.300	-.5340	-.6520	-1.3730	-.8990	-.4830
.520	-.5180	-.5440	-.5030	-.6360	-.5080
.650	-.3880	-.5040	-.4720	-.5000	-.4460
.775	-.3160	-.4310	-.2790	-.4590	-.3740
.900		-.3060	-.1720	-.4120	-.3410

MACH (2) = .902 BETA (1) =-10.100

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0630	-.2810	-1.0000	-1.1040	-.7950
.050	-.6040	-.2920	.1410	.1530	.0390
.150	-.4760	-.1720	.0570	.0480	-.0700
.300	-.3850	-.1450	-.0360	-.0790	-.2470
.520	-.3290	-.1830	-.2670	-.3220	-.4660
.650	-.4600	-.6960	-.5030	-.4220	-.4960
.775	-.3640	-.3500	-.3390	-.3730	-.2560
.900		-.3260	-.3610	-.2380	-.2180

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV21)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .894 BETA (2) = .68U

Z/BV	.158	.316	.6U0	.84U	.925
X/CV					
.UU0	.4490	.2170	-.1070	.1720	-.0690
.U50	-.7510	-.7680	-.6270	-.2650	-.2550
.150	-.4500	-.4690	-.3640	-.2000	-.2240
.300	-.5310	-.5480	-.1640	-.2770	-.3010
.520	-.5270	-.5040	-.3270	-.2970	-.4050
.650	-.5370	-.6590	-1.0640	-1.1420	-.5480
.775	-.3870	-.4360	-.5260	-.5110	-.3850
.900		-.5290	-.4470	-.3060	-.2180

MACH (2) = .901 BETA (3) = 10.420

Z/BV	.158	.316	.6U0	.840	.923
X/CV					
.900	-.0360	-.2790	-.4950	-.7850	-.9350
.U50	-.2570	-.5470	-1.1340	-1.1200	-.8100
.150	-.3630	-.5550	-1.2290	-1.1710	-.7700
.300	-.4950	-.6180	-.6920	-1.1410	-.6740
.520	-.5680	-.6100	-.6260	-.8070	-.6950
.650	-.5100	-.5340	-.6300	-.5660	-.5640
.775	-.4390	-.5570	-.4800	-.3220	-.4770
.900		-.3700	-.3560	-.2580	-.3920

AMES 11-7D7 OA12 02A LEFT VERTICAL (RBPV22) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -10.000 RUDFLP = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .590 BETA (1) = -7.970

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.3830	-1.0310	-.8580	.7520	-.4880
.050	.3420	.3620	.3660	.3610	.2080
.150	.2450	.2410	.2230	.1990	.1350
.300	.1450	.0910	.0910	.0570	-.0150
.520	-.0770	-.0770	-.1510	-.2120	-.2420
.650	-.2740	-.3330	-.3070	-.3060	-.2710
.775	-.1640	-.1790	-.1620	-.1340	-.1280
.900		-.1360	-.1280	-.0920	-.0950

MACH (1) = .585 BETA (2) = -3.940

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2320	-.0460	-.1760	-.0360	.0650
.050	.1890	.1820	.1800	.1910	.1350
.150	.1230	.1040	.0870	.0750	.0390
.300	.0380	.0000	-.0240	-.0480	-.0680
.520	-.1540	-.1800	-.2280	-.2660	-.2620
.650	-.2970	-.3650	-.3680	-.3440	-.3000
.775	-.1850	-.1950	-.1810	-.1410	-.1120
.900		-.1290	-.1140	-.0590	-.0460

MACH (1) = .587 BETA (3) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.4700	.4520	.3410	.4090	.2510
.050	.0230	-.1990	-.2650	-.2590	-.1010
.150	-.0250	-.0610	-.0980	-.1120	-.0930
.300	-.0810	-.1320	-.1590	-.1670	-.1530
.520	-.2330	-.2450	-.3240	-.3250	-.3050
.650	-.3040	-.4130	-.4570	-.3980	-.3610
.775	-.1430	-.2080	-.2060	-.1550	-.1100
.900		-.1220	-.1070	-.0520	-.0240

MACH (1) = .588 BETA (4) = 4.000

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1680	.2000	.1680	.0850	-.2020
.050	-.3260	-.5510	-.6320	-.7860	-.5410
.150	-.1770	-.2740	-.3680	-.3720	-.3120
.300	-.1930	-.2550	-.3100	-.3050	-.2550
.520	-.2640	-.2980	-.3720	-.3630	-.3300
.650	-.2310	-.3520	-.4080	-.4010	-.3870
.775	-.1760	-.2020	-.2160	-.2100	-.1410
.900		-.12[illegible]	-.1020	-.0600	-.0320

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV22)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5700	-.5240	-.2530	-.4110	-.7830
.050	-.5510	-.9430	-.7340	-.7190	-.8880
.150	-.3870	-.8040	-.7040	-.6740	-.9350
.300	-.3670	-.4430	-.6270	-.5580	-.6640
.520	-.4100	-.3520	-.4870	-.4500	-.3030
.650	-.3120	-.2780	-.4310	-.3580	-.3180
.775	-.1860	-.1910	-.2910	-.2620	-.2160
.900		-.1270	-.1740	-.1440	-.1570

MACH (2) = .904 BETA (1) = -8.090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0530	-.2950	-.4790	-.3280	-.1560
.050	.3380	.3600	.3460	.3360	.2220
.150	.2590	.2570	.2190	.1770	.0840
.300	.1810	.1230	.0880	.0180	-.1030
.520	-.0170	-.0460	-.1760	-.2600	-.3840
.650	-.3100	-.6310	-.9170	-.9930	-.9300
.775	-.2210	-.2530	-.3010	-.4500	-.2980
.900		-.1640	-.2540	-.3370	-.2400

MACH (2) = .902 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3770	.1620	.0230	.1360	.0750
.050	.1740	.1780	.2020	.1780	.0810
.150	.1210	.1250	.1070	.0450	-.0350
.300	.0580	.0380	-.0010	-.0890	-.1570
.520	-.1050	-.1150	-.2400	-.2970	-.3710
.650	-.3570	-.7020	-1.0580	-1.0660	-.6560
.775	-.2070	-.2950	-.3700	-.4540	-.3420
.900		-.1580	-.2270	-.2580	-.1580

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4270	.3820	.3450	.3970	.1890
.050	-.0180	-.1950	-.3060	-.3110	-.2130
.150	-.0550	-.0530	-.0980	-.1580	-.1500
.300	-.0860	-.1200	-.1490	-.2140	-.2020
.520	-.2120	-.2200	-.3070	-.3070	-.3600
.650	-.3440	-.6180	-1.0940	-.9420	-.5710
.775	-.1850	-.3220	-.4660	-.4360	-.3200
.900		-.1700	-.1880	-.3120	-.2010

MACH (2) = .899 BETA (4) = 4.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3200	.3230	.2380	.1670	-.1160
.050	-.4480	-.7410	-.7110	-.8960	-1.0050
.150	-.2360	-.4670	-.5540	-.5860	-.8630
.300	-.2980	-.2500	-.4430	-.5040	-.6300

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV22)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2940	-.3020	-.3820	-.4320	-.3710
.650	-.2730	-.4200	-.9690	-.3790	-.4820
.775	-.1840	-.3190	-.3780	-.2350	-.1090
.900		-.1640	-.1890	-.1300	-.0490

MACH (2) = .900 BETA (5) = 8.410

Z/BV	.158	.316	.600	.840	.925
X/CV					
.400	-.0570	.0420	-.0200	-.1300	-.3690
.050	-.5640	-.9830	-1.1620	-.6820	-.5700
.150	-.3600	-1.0610	-1.0330	-.6540	-.5580
.300	-.4940	-.5810	-.9980	-.6180	-.5400
.520	-.5510	-.4450	-.8110	-.5570	-.5140
.650	-.3400	-.2790	-.7150	-.5070	-.4070
.775	-.2500	-.2620	-.5380	-.4460	-.3580
.900		-.1660	-.3110	-.4120	-.3230

AMES 11-7X7 OA12 OAA LEFT VERTICAL (RBPV23) (01 MAY 73)

REFERENCE DATA

AREF = 2.4210 SQ.FT. XMRP = 28.3300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.030

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.3510	-1.1160	-1.0430	-.9000	-.6090
.050	.2730	.3090	.3170	.3180	.2110
.150	.1900	.2030	.1930	.1710	.0980
.300	.1110	.0630	.0710	.0400	-.0380
.520	-.0920	-.0890	-.1480	-.2040	-.2060
.650	-.2650	-.3400	-.2980	-.2880	-.2530
.775	-.1740	-.1840	-.1620	-.1340	-.1280
.900		-.1420	-.1260	-.0900	-.0960

MACH (1) = .598 BETA (2) = -3.970

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1410	-.0840	-.2550	-.1210	-.0530
.050	.1310	.1510	.1560	.1690	.1070
.150	.0750	.0810	.0610	.0540	.0160
.300	.0050	-.0160	-.0380	-.0600	-.0940
.520	-.1490	-.1600	-.2340	-.2580	-.2510
.650	-.2780	-.3720	-.3650	-.3280	-.2960
.775	-.1520	-.2010	-.1870	-.1440	-.1160
.900		-.1340	-.1250	-.0620	-.0510

MACH (1) = .598 BETA (3) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3830	.3830	.2750	.3330	.1730
.050	-.0270	-.2110	-.2650	-.2400	-.1080
.150	-.0610	-.0750	-.1070	-.1220	-.1010
.300	-.1020	-.1420	-.1680	-.1740	-.1520
.520	-.2150	-.2420	-.3150	-.3160	-.2860
.650	-.2590	-.4030	-.4390	-.3710	-.3290
.775	-.1470	-.2080	-.2090	-.1520	-.1060
.900		-.1260	-.[illegible]140	-.0510	-.0190

MACH (1) = .598 BETA (4) = 4.170

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0740	.1190	.0650	-.0220	-.3140
.050	-.2340	-.5830	-.6080	-.6460	-.5790
.150	-.2070	-.2750	-.4070	-.4180	-.3380
.300	-.2260	-.2590	-.3160	-.3140	-.2540
.520	-.2820	-.2880	-.3620	-.3520	-.3170
.650	-.2230	-.3100	-.4620	-.3810	-.3530
.775	-.1760	-.2050	-.2160	-.1930	-.1260
.900		-.1310	-.1100	-.0560	-.0290

AMES 11-7x7 OA12 OEA LEFT VERTICAL (RBPV23)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (5) = 0.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4540	-.6180	-.3820	-.5470	-.3820
.050	-.4640	-1.0180	-.7720	-.7460	-.9420
.150	-.3890	-.7950	-.7500	-.7210	-1.0760
.300	-.3730	-.4190	-.7540	-.7120	-.7520
.520	-.4030	-.3570	-.4800	-.4780	-.3140
.650	-.3120	-.3230	-.4130	-.3640	-.3180
.775	-.2370	-.2400	-.2680	-.2640	-.2320
.900		-.1500	-.1570	-.1440	-.1420

MACH (2) = .903 BETA (1) = -0.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0780	-.3590	-.6330	-.4660	-.2800
.050	.2230	.2920	.2960	.2930	.1780
.150	.1750	.2150	.1760	.1460	.0390
.300	.1180	.0880	.0540	-.0460	-.1270
.520	-.0470	-.0610	-.1910	-.2750	-.3960
.650	-.3180	-.5950	-.7830	-.6330	-.6300
.775	-.2190	-.2570	-.3030	-.3680	-.2660
.900		-.1690	-.2530	-.2930	-.2490

MACH (2) = .902 BETA (2) = -4.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1780	.0780	-.0700	.0400	-.0400
.050	.0430	.1020	.1620	.1400	.0450
.150	.0180	.0640	.0680	.0170	-.0770
.300	-.0210	-.0280	-.0330	-.1120	-.1870
.520	-.1460	-.1400	-.2680	-.3280	-.4080
.650	-.3210	-.6500	-.9840	-.9970	-.6070
.775	-.1960	-.2800	-.5440	-.4340	-.2860
.900		-.1620	-.2620	-.1650	-.0850

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3050	.3480	.2630	.3190	.1030
.050	-.1170	-.2060	-.2770	-.3230	-.2510
.150	-.1430	-.0980	-.1140	-.1790	-.1750
.300	-.1470	-.1480	-.1670	-.2450	-.2130
.520	-.2260	-.2240	-.3340	-.3470	-.3780
.650	-.3170	-.5780	-1.0610	-.5630	-.4110
.775	-.1630	-.2900	-.3850	-.4130	-.2650
.900		-.1550	-.1670	-.3070	-.1320

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1450	.2390	.1320	.0560	-.2360
.050	-.2240	-.8400	-.6540	-.7670	-.9990
.150	-.2950	-.4340	-.5620	-.6040	-.9690
.300	-.3750	-.2910	-.4900	-.5560	-.6130

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV23)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.3060	-.2810	-.4140	-.4860	-.3950
.650	-.2400	-.3440	-.8290	-.4290	-.3330
.775	-.1930	-.2630	-.3740	-.2410	-.1390
.900		-.1610	-.1940	-.1230	-.0500

MACH (2) = .901 BETA (5) = 8.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0000	-.0650	-.1420	-.2370	-.4410
.050	-.4280	-1.0260	-1.1060	-.5970	-.4980
.150	-.3920	-1.1070	-1.0320	-.3700	-.4770
.300	-.5350	-.5850	-1.0390	-.5320	-.4740
.520	-.5170	-.3580	-.8100	-.5160	-.4600
.650	-.2980	-.2760	-.5890	-.4860	-.3930
.775	-.2700	-.2730	-.2660	-.4460	-.3590
.900		-.1660	-.1530	-.4120	-.3290

AMES 11-707 OA12 OBA LEFT VERTICAL (RBPV24) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -8.060

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2760	-1.1530	-1.1680	-1.0410	-.7650
.050	.1920	.2710	.2790	.2780	.1680
.150	.1480	.1830	.1740	.1520	.0680
.300	.0790	.0520	.0580	.0280	-.0680
.520	-.0930	-.0900	-.1410	-.1090	-.1980
.650	-.2840	-.3220	-.2810	-.2670	-.2300
.775	-.1810	-.1820	-.1560	-.1290	-.1270
.900		-.1670	-.1220	-.0920	-.0990

MACH (1) = .598 BETA (2) = -3.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1980	-.1790	-.3370	-.2650	-.1870
.050	.0300	.1290	.1440	.1520	.0940
.150	.0130	.0820	.0550	.0360	-.0010
.300	-.0360	-.0450	-.0450	-.0620	-.0970
.520	-.1710	-.1650	-.2210	-.2430	-.2440
.650	-.2830	-.3720	-.3420	-.3110	-.2700
.775	-.1530	-.2010	-.1890	-.1410	-.1210
.900		-.1500	-.1250	-.0640	-.0540

MACH (1) = .800 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3450	.3470	.2240	.2690	.1040
.050	-.0710	-.0650	-.2420	-.2340	-.1130
.150	-.0870	-.1490	-.1220	-.1260	-.1070
.300	-.1240	-.1370	-.1790	-.1780	-.1520
.520	-.2360	-.2450	-.3090	-.2940	-.2680
.650	-.2840	-.4010	-.4250	-.3500	-.3010
.775	-.1430	-.2110	-.2080	-.1480	-.1050
.900		-.1420	-.1200	-.0530	-.0200

MACH (1) = .996 BETA (4) = 4.150

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1850	.0560	-.0230	-.1230	-.4130
.050	-.1940	-.6250	-.6110	-.5800	-.5910
.150	-.2190	-.2710	-.4490	-.4560	-.3800
.300	-.2290	-.2780	-.3290	-.3230	-.2510
.520	-.2780	-.2960	-.3430	-.3330	-.2890
.650	-.2440	-.3150	-.4370	-.3510	-.3120
.775	-.1690	-.2190	-.2140	-.1850	-.1160
.900		-.1520	-.1100	-.0590	-.0250

AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPV24)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (5) = 8.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2310	-.6760	-.4910	-.6760	-.9330
.050	-.4240	-1.0820	-.7960	-.7910	-.9000
.150	-.4050	-.6070	-.8430	-.8460	-.9060
.300	-.3620	-.4100	-.8980	-.8510	-.5740
.520	-.3710	-.3570	-.4140	-.4390	-.4030
.650	-.2660	-.3460	-.3960	-.3260	-.3550
.775	-.1990	-.2820	-.2370	-.2120	-.2450
.900		-.1710	-.1330	-.1300	-.1590

MACH (2) = .800 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1360	-.3390	-.7380	-.6460	-.4320
.050	.0690	.1970	.2290	.2390	.1300
.150	.0700	.1410	.1230	.1070	.0030
.300	.0390	.0390	.0110	-.0420	-.1580
.520	-.0920	-.0930	-.2000	-.2980	-.3910
.650	-.3400	-.5540	-.4910	-.4970	-.5130
.775	-.2190	-.2540	-.2870	-.3090	-.2070
.900		-.1870	-.2510	-.1960	-.1910

MACH (2) = .900 BETA (2) = -4.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1170	.0100	-.2230	-.1040	-.1580
.050	-.1400	.0370	.1210	.1170	.0220
.150	-.0990	.0230	.0360	-.0080	-.0970
.300	-.0940	-.0580	-.0580	-.1300	-.2080
.520	-.1740	-.1530	-.2890	-.3460	-.4050
.650	-.3220	-.5680	-.6550	-.5990	-.4320
.775	-.1960	-.2710	-.3210	-.3270	-.2060
.900		-.1710	-.2260	-.1160	-.0610

MACH (2) = .980 BETA (3) = .08[illegible]

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2620	.2160	.2060	.2290	.0220
.050	-.2160	-.2720	-.2650	-.2760	-.2700
.150	-.2390	-.1560	-.1340	-.1840	-.1910
.300	-.2270	-.1860	-.1780	-.2440	-.2280
.520	-.2530	-.2390	-.3360	-.3550	-.4040
.650	-.3040	-.5350	-.9840	-.5410	-.3690
.775	-.1870	-.2850	-.3390	-.4130	-.2120
.900		-.1700	-.1660	-.2470	-.0780

MACH (2) = .900 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1190	.1680	.0150	-.0450	-.3480
.050	-.2080	-.7530	-.6340	-.8710	-.9510
.150	-.2950	-.4310	-.5060	-.6050	-.9130
.300	-.3970	-.5060	-.4570	-.5930	-.4370

AMES 11-7U7 OA12 CRA LEFT VERTICAL (RBPV24)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.150

Z/BV	.150	.316	.610	.840	.925
X/CV					
.320	-.3380	-.3110	-.3080	-.4550	-.3530
.650	-.2480	-.3320	-.0940	-.3080	-.3100
.775	-.2040	-.2820	-.2970	-.2010	-.0880
.900		-.1740	-.1700	-.0900	-.0150

MACH (2) = .940 BETA (5) = 8.330

Z/BV	.150	.316	.610	.840	.925
X/CV					
.000	.0220	-.0970	-.2630	-.4330	-.6540
.050	-.3310	-1.0120	-1.0280	-.7070	-.6700
.150	-.3720	-.8240	-.9950	-.6820	-.6420
.300	-.5100	-.5980	-1.1240	-.6540	-.5610
.520	-.4780	-.3780	-.5110	-.5740	-.4450
.650	-.2880	-.2090	-.3270	-.5100	-.3730
.775	-.2880	-.3230	-.2160	-.4750	-.3280
.900		-.2010	-.1640	-.4010	-.2950

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV23) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0360 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0140	-1.1080	-1.2250	-1.1350	-.8820
.050	.0620	.2180	.2370	.2420	.1290
.150	.0480	.1380	.1450	.1350	.0420
.300	.0020	.0230	.0420	.0180	-.0850
.520	-.1360	-.1080	-.1330	-.1760	-.1890
.650	-.2940	-.3320	-.2630	-.2450	-.2190
.775	-.2100	-.1900	-.1500	-.1320	-.1270
.900		-.1970	-.1270	-.0920	-.0950

MACH (1) = .598 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3160	-.1610	-.4100	-.3550	-.2700
.050	-.0070	.0820	.1200	.1420	.0700
.150	-.0700	.0270	.0330	.0280	-.0180
.300	-.1130	-.0650	-.0540	-.0600	-.1130
.520	-.2310	-.1830	-.2210	-.2340	-.2360
.650	-.3390	-.3920	-.3370	-.2880	-.2510
.775	-.1880	-.2190	-.1810	-.1340	-.1150
.900		-.1860	-.1240	-.0590	-.0520

MACH (1) = .597 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3430	.3060	.1740	.2180	.0440
.050	-.1260	-.1260	-.2570	-.2450	-.1270
.150	-.1400	-.1250	-.1500	-.1410	-.1230
.300	-.1730	-.1920	-.1910	-.1840	-.1620
.520	-.2960	-.2820	-.3170	-.2880	-.2650
.650	-.3420	-.4470	-.4230	-.3340	-.2930
.775	-.1790	-.2480	-.2080	-.1430	-.0960
.900		-.1860	-.1260	-.0540	-.0130

MACH (1) = .601 BETA (4) = 4.780

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3070	.0130	-.1300	-.2340	-.5150
.050	-.1910	-.6910	-.6340	-.5890	-.6280
.150	-.2260	-.3070	-.5300	-.5340	-.4480
.300	-.2580	-.3340	-.3580	-.3460	-.2630
.520	-.3290	-.3500	-.3640	-.3300	-.2760
.650	-.3110	-.4090	-.4560	-.3430	-.2910
.775	-.2290	-.2770	-.2240	-.1920	-.1370
.900		-.1930	-.1230	-.0650	-.0440

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV25)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .801 BETA (5) = 8.250

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	-.0440	-.6960	-.8140	-.7940	-.9540
.050	-.3900	-1.0920	-.8410	-.8580	-.7850
.150	-.3890	-.4720	-1.0290	-.9360	-.7510
.300	-.3790	-.4570	-.9120	-.9290	-.5880
.520	-.3950	-.3970	-.3570	-.3420	-.4980
.650	-.2940	-.3920	-.4210	-.2670	-.4090
.775	-.2230	-.3180	-.2130	-.1910	-.2890
.900		-.2070	-.1240	-.1350	-.1780

MACH (2) = .902 BETA (1) = -8.130

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.0620	-.2650	-.8050	-.7820	-.5500
.050	-.2610	.0480	.1850	.1940	.0980
.150	-.1890	.0550	.0840	.0820	-.0210
.300	-.1360	-.0120	-.0170	-.0580	-.1610
.520	-.1860	-.1130	-.2220	-.2930	-.3760
.650	-.3430	-.5770	-.4360	-.3500	-.4040
.775	-.2440	-.2590	-.2850	-.2580	-.1790
.900		-.2110	-.2800	-.1490	-.1600

MACH (2) = .901 BETA (2) = -4.080

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	-.0620	.0500	-.2650	-.1650	-.2480
.050	-.6340	-.2220	.0630	.0800	-.0460
.150	-.3420	-.1430	.0010	-.0280	-.1260
.300	-.3150	-.1510	-.0750	-.1430	-.2210
.520	-.2730	-.1770	-.2840	-.3650	-.3910
.650	-.2830	-.5650	-.8940	-.5270	-.4030
.775	-.2090	-.2720	-.3260	-.2890	-.1980
.900		-.2050	-.2750	-.1180	-.0710

MACH (2) = .902 BETA (3) = .080

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.3500	.1600	.1690	.2020	-.0190
.050	-.4000	-.5090	-.2560	-.2910	-.2760
.150	-.3550	-.3840	-.1370	-.1900	-.1990
.300	-.4360	-.2830	-.1810	-.2320	-.2210
.520	-.3320	-.2510	-.3420	-.3690	-.3840
.650	-.2080	-.5310	-.9850	-.5150	-.3560
.775	-.2150	-.2830	-.3500	-.3420	-.1980
.900		-.2020	-.1820	-.1770	-.0610

MACH (2) = .898 BETA (4) = 4.190

Z/BV	.158	.316	.800	.840	.925
X/CV					
.000	.0830	.0970	-.0780	-.1400	-.4450
.050	-.1820	-.5990	-.9340	-.5860	-.8750
.150	-.2090	-.4810	-.8560	-.5830	-.8650
.300	-.4480	-.5310	-.2880	-.5770	-.4150

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV23)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.19U

Z/BV	.158	.318	.6U	.84U	.925
X/CV					
.52U	-.45BU	-.384U	-.351U	-.312U	-.348U
.65U	-.286U	-.294U	-.718U	-.392U	-.241U
.775	-.249U	-.3U3U	-.282U	-.21UU	-.U94U
.9U		-.214U	-.175U	-.1U2U	-.U15U

MACH (2) = .899 BETA (5) = 8.33U

Z/BV	.158	.318	.6U	.84U	.925
X/CV					
.UU	.U37U	-.U88U	-.334U	-.545U	-.717U
.U5U	-.273U	-.822U	-1.U46U	-.693U	-.627U
.15U	-.38BU	-.944U	-1.1U8U	-.684U	-.595U
.3UU	-.473U	-.8UUU	-1.117U	-.682U	-.488U
.52U	-.488U	-.428U	-.252U	-.639U	-.439U
.65U	-.291U	-.33UU	-.291U	-.563U	-.367U
.775	-.289U	-.381U	-.2UUU	-.445U	-.347U
.9UU		-.218U	-.184U	-.317U	-.289U

ANES 11-707 OA12 CBA LEFT VERTICAL (RBPVES) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 30.8490 INCHES ZMRP = .0000 INCHES
SCALE = .1360 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -7.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1080	-.0880	-1.4100	-1.2120	-.9680
.050	-.2400	.1370	.2110	.2230	.1040
.150	-.1070	.0080	.1280	.1280	.0250
.300	-.1080	-.0080	.0380	.0140	-.1060
.520	-.2260	-.1240	-.1260	-.1670	-.1790
.650	-.3410	-.3530	-.2540	-.2210	-.2110
.775	-.2580	-.2080	-.1470	-.1280	-.1270
.900		-.2410	-.1240	-.0950	-.1000

MACH (1) = .900 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3800	-.0820	-.5170	-.4870	-.3870
.050	-.2340	.0280	.1050	.1280	.0510
.150	-.1680	-.0040	.0140	.0190	-.0320
.300	-.2010	-.0950	-.0670	-.0680	-.1280
.520	-.3280	-.2180	-.2290	-.2300	-.2290
.650	-.4120	-.4610	-.3330	-.2840	-.2430
.775	-.2390	-.2510	-.1810	-.1290	-.1110
.900		-.2350	-.1300	-.0680	-.0540

MACH (1) = .800 BETA (3) = .070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3890	.3080	.1440	.1820	.0110
.050	-.1790	-.1880	-.2310	-.2310	-.1100
.150	-.1880	-.1980	-.1640	-.1470	-.1230
.300	-.2250	-.2210	-.2080	-.1840	-.1600
.520	-.3550	-.3180	-.3380	-.2900	-.2520
.650	-.4680	-.5180	-.4380	-.3270	-.2790
.775	-.2320	-.2830	-.2210	-.1410	-.0940
.900		-.2270	-.1310	-.0520	-.0150

MACH (1) = .900 BETA (4) = 4.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4000	.0370	-.2190	-.3280	-.6230
.050	-.1810	-.6480	-.6690	-.5810	-.6680
.150	-.2170	-.3180	-.5850	-.5940	-.4970
.300	-.2650	-.3500	-.3660	-.3530	-.2940
.520	-.3470	-.3770	-.3690	-.3140	-.2690
.650	-.3410	-.4650	-.4580	-.3240	-.2890
.775	-.2580	-.3170	-.2300	-.1840	-.1380
.900		-.2310	-.1270	-.0630	-.0480

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV26)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .399 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2050	-.5530	-.7840	-.8990	-.9330
.050	-.2390	-.7410	-1.0290	-.8940	-.6920
.150	-.3150	-.5080	-1.3280	-.9590	-.6960
.300	-.3690	-.5200	-.7480	-.9380	-.5700
.520	-.4350	-.4770	-.3760	-.3880	-.5430
.650	-.3760	-.4880	-.4190	-.2920	-.4340
.775	-.2790	-.3670	-.2160	-.2300	-.2800
.900		-.2530	-.1300	-.1440	-.1670

MACH (2) = .903 BETA (1) = -8.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1890	-.3090	-.8980	-.9580	-.7010
.050	-.7390	-.3990	.1490	.1700	.0640
.150	-.5030	-.1460	.0620	.0670	-.0520
.300	-.3630	-.1130	-.0330	-.0600	-.1960
.520	-.2680	-.1800	-.2100	-.2900	-.3690
.650	-.3620	-.4680	-.4330	-.3210	-.3220
.775	-.2780	-.2910	-.2800	-.2450	-.1720
.900		-.2630	-.2620	-.1330	-.1250

MACH (2) = .901 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1240	-.1550	-.1760	-.2230	-.3270
.050	-1.1280	-.8070	.0590	.0680	-.0290
.150	-.5460	-.5650	-.0070	-.0400	-.1500
.300	-.4980	-.3570	-.0820	-.1460	-.2490
.520	-.3590	-.3450	-.2520	-.3620	-.4140
.650	-.3710	-.4410	-.9400	-.6260	-.3920
.775	-.2800	-.3440	-.3250	-.3090	-.2140
.900		-.2690	-.2670	-.1450	-.0830

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4480	.2200	.1530	.1450	-.0840
.050	-.7190	-.7320	-.2280	-.2980	-.2750
.150	-.4360	-.4420	-.1340	-.2140	-.2360
.300	-.5090	-.2570	-.1870	-.2810	-.2670
.520	-.3390	-.2800	-.3490	-.4140	-.4050
.650	-.4120	-.9190	-1.0990	-.4850	-.3260
.775	-.2730	-.3820	-.4400	-.3500	-.1930
.900		-.2610	-.1810	-.2350	-.0700

MACH (2) = .898 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1380	-.2280	.0480	-.2010	-.5340
.050	-.0160	-.1990	-.7640	-.7060	-.9120
.150	-.1670	-.3250	-.4410	-.6820	-.9410
.300	-.3440	-.3300	-.3080	-.5550	-.3900

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV26)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2840	-.3770	-.4560	-.4560	-.3450
.650	-.4810	-.7130	-.9000	-.3390	-.2510
.775	-.3130	-.4300	-.4310	-.2140	-.1060
.914		-.2730	-.2220	-.1090	-.0240

MACH (2) = .904 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0890	-.3520	-.3970	-.6750	-.8430
.050	-.1680	-.4300	-1.0540	-.8890	-.7850
.150	-.2980	-.4880	-1.1530	-.9410	-.7280
.300	-.4420	-.5350	-.5780	-.9750	-.5750
.520	-.4720	-.4750	-.4580	-.7230	-.5470
.650	-.3880	-.4770	-.4710	-.4790	-.4670
.775	-.3210	-.4460	-.3330	-.2540	-.3780
.900		-.2760	-.2320	-.1240	-.2610

AMES 11-FT OA12 02A LEFT VERTICAL (RBPV27) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.53[illegible] INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0314 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0950	-.2550	-.2910	-.1420	.0390
.050	.2930	.2820	.2660	.2710	.2080
.150	.2030	.1790	.1530	.1240	.0970
.300	.0960	.0630	.0210	-.0050	-.0280
.520	-.1280	-.1330	-.2120	-.2440	-.2350
.650	-.3060	-.3720	-.3760	-.3420	-.2910
.775	-.1580	-.1820	-.1720	-.1330	-.1100
.900		-.1320	-.1050	-.0550	-.0550

MACH (1) = .999 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.5110	.4870	.4090	.4690	.3220
.050	.0550	-.1490	-.2330	-.2480	-.0650
.150	.0310	-.0080	-.0670	-.0890	-.0650
.300	-.0340	-.1020	-.1340	-.1490	-.1240
.520	-.2070	-.2260	-.3070	-.3130	-.2930
.650	-.2890	-.4020	-.4590	-.3920	-.3610
.775	-.1420	-.1930	-.1880	-.1360	-.0990
.900		-.1150	-.0900	-.0300	-.0070

MACH (1) = .999 BETA (3) = 5.260

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0000	.0910	.1520	.0680	-.2540
.050	-.4230	-.5870	-.6690	-.6860	-.6680
.150	-.1640	-.3230	-.4740	-.4950	-.4220
.300	-.1830	-.2790	-.3660	-.3620	-.2560
.520	-.2740	-.3090	-.3910	-.3710	-.3400
.650	-.2460	-.3670	-.4840	-.3920	-.3940
.775	-.1510	-.1950	-.2260	-.2300	-.1480
.900		-.1130	-.0980	-.0610	-.0380

MACH (2) = .897 BETA (1) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3320	.0720	-.0210	.1190	.0910
.050	.3490	.3110	.2930	.2510	.1630
.150	.2720	.2440	.1790	.1110	.0190
.300	.1810	.1320	.0540	-.0170	-.0940
.520	-.0210	-.0620	-.2020	-.2770	-.3810
.650	-.3170	-.6770	-1.0480	-1.0860	-.8970
.775	-.2000	-.2810	-.3560	-.3430	-.3800
.900		-.1650	-.2680	-.2770	-.2010

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV27)

AMES 11-7U7 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (2) = .U8U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.5330	.5210	.4280	.4550	.2470
.U5U	.1100	-.1260	-.2460	-.3010	-.1580
.15U	.U69U	.U35U	-.U48U	-.1190	-.1190
.3UU	.U15U	-.U51U	-.1060	-.1610	-.1360
.52U	-.1490	-.1730	-.2730	-.2860	-.3380
.65U	-.3210	-.6380	-1.U98U	-1.U76U	-.7630
.775	-.1750	-.3100	-.5190	-.5350	-.3470
.9UU		-.1570	-.1990	-.3240	-.2290

MACH (2) = .899 BETA (3) = 5.33U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.2190	.2980	.2620	.176U	-.1150
.U5U	-.6U3U	-.625U	-.7U9U	-1.U24U	-1.158U
.15U	-.1500	-.468U	-.556U	-.661U	-.984U
.3UU	-.196U	-.313U	-.498U	-.577U	-.844U
.52U	-.258U	-.321U	-.472U	-.513U	-.381U
.65U	-.268U	-.421U	-.9U6U	-.469U	-.552U
.775	-.176U	-.321U	-.426U	-.256U	-.19UU
.9UU		-.184U	-.216U	-.142U	-.128U

AMES 11-FT OA12 OEA LEFT VERTICAL (RBPV28) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (1) = -7.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3820	-1.0220	-.9270	-.7450	-.4590
.050	.3450	.3640	.3590	.3590	.2640
.150	.2530	.2420	.2220	.1980	.1330
.300	.1520	.0880	.0840	.0510	-.0130
.520	-.0810	-.0850	-.1440	-.2010	-.1960
.650	-.2760	-.3340	-.3090	-.3010	-.2610
.775	-.1580	-.1780	-.1580	-.1300	-.1240
.900		-.1390	-.1180	-.0820	-.0850

MACH (1) = .998 BETA (2) = -3.940

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2540	-.0290	-.1610	-.0430	.0480
.050	.2050	.1920	.1840	.1920	.1370
.150	.1380	.1130	.0840	.0680	.0410
.300	.0550	.0030	-.0100	-.0380	-.0600
.520	-.1510	-.1590	-.2170	-.2550	-.2480
.650	-.2930	-.3810	-.3680	-.3420	-.3020
.775	-.1460	-.1970	-.1750	-.1330	-.1000
.900		-.1290	-.1030	-.0520	-.0330

MACH (1) = .998 BETA (3) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4820	.4410	.3450	.4030	.2460
.050	.0340	-.1890	-.2570	-.2440	-.0880
.150	-.0040	-.0420	-.0930	-.1050	-.0820
.300	-.0680	-.1210	-.1500	-.1580	-.1390
.520	-.2180	-.2590	-.3130	-.3120	-.2900
.650	-.2840	-.4030	-.4510	-.3770	-.3480
.775	-.1360	-.2080	-.1970	-.1400	-.1000
.900		-.1230	-.0970	-.0410	-.0140

MACH (1) = .995 BETA (4) = 4.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2340	.1850	.1680	.0990	-.2160
.050	-.3100	-.5440	-.6370	-.7790	-.5550
.150	-.1640	-.2690	-.3730	-.3810	-.3290
.300	-.1780	-.2510	-.3100	-.3070	-.2590
.520	-.2590	-.3010	-.3660	-.3640	-.3350
.650	-.2240	-.3650	-.4920	-.4090	-.3940
.775	-.1770	-.2290	-.2200	-.2160	-.1340
.900		-.1350	-.1040	-.0630	-.0240

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV28)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.29U

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.6010	-.5040	-.2370	-.3910	-.7770
.050	-.5110	-.9170	-.7320	-.7100	-.8820
.150	-.3470	-.8060	-.6830	-.6700	-.9270
.300	-.3610	-.4170	-.6220	-.5560	-.6570
.520	-.3980	-.3360	-.4850	-.4510	-.3030
.650	-.3110	-.2750	-.4270	-.3600	-.3090
.775	-.2050	-.1850	-.2860	-.2560	-.2010
.900		-.1340	-.1710	-.1420	-.1480

MACH (2) = .900 BETA (1) = -8.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0070	-.3650	-.5380	-.3520	-.2240
.050	.3720	.3720	.3580	.3250	.2120
.150	.2930	.2880	.2300	.1670	.0540
.300	.2090	.1420	.0910	.0210	-.1200
.520	.0050	-.0380	-.1730	-.2730	-.3830
.650	-.3030	-.6140	-.8980	-.9810	-.9160
.775	-.2090	-.2540	-.3150	-.4700	-.3530
.900		-.1560	-.2870	-.3290	-.1940

MACH (2) = .897 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3830	.1430	.0240	.1350	.0540
.050	.2300	.2030	.2030	.1650	.0830
.150	.1720	.1590	.1050	.0450	-.0460
.300	.1000	.0610	-.0040	-.0760	-.1450
.520	-.0720	-.1090	-.2470	-.3060	-.3930
.650	-.3190	-.6450	-1.0580	-1.0690	-.7490
.775	-.1890	-.2860	-.3590	-.4630	-.3610
.900		-.1570	-.2400	-.2500	-.1620

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4240	.4330	.3470	.3770	.1660
.050	.0430	-.0940	-.2640	-.3000	-.1990
.150	.0180	-.0060	-.0770	-.1490	-.1520
.300	-.0280	-.0830	-.1390	-.1920	-.1800
.520	-.1730	-.1920	-.3010	-.3150	-.3720
.650	-.3090	-.6070	-1.1140	-.9400	-.5980
.775	-.1680	-.3060	-.4500	-.4330	-.3360
.900		-.1690	-.1840	-.3190	-.1950

MACH (2) = .904 BETA (4) = 4.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3210	.3330	.2440	.1570	-.1260
.050	-.4130	-.5870	-.6510	-.8500	-1.0230
.150	-.1630	-.3500	-.5150	-.5800	-.8390
.300	-.1890	-.2400	-.3970	-.4930	-.5410

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AMES 11-7U7 CA12 C2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9U4 BETA (4) = 4.24U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.246U	-.28UU	-.382U	-.439U	-.387U
.65U	-.254U	-.416U	-1.U66U	-.448U	-.532U
.775	-.185U	-.312U	-.465U	-.276U	-.165U
.9UU		-.178U	-.238U	-.152U	-.U89U

MACH (2) = .9U4 BETA (5) = 8.4UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.1UU	-.132U	-.U36U	-.U21U	-.161U	-.452U
.15U	-.571U	-.979U	-.918U	-.962U	-.842U
.15U	-.356U	-1.U84U	-.799U	-.842U	-.725U
.3UU	-.765U	-.542U	-.8U6U	-.761U	-.73UU
.52U	-.421U	-.321U	-.843U	-.6U7U	-.473U
.65U	-.3U3U	-.344U	-.694U	-.494U	-.411U
.775	-.253U	-.269U	-.526U	-.434U	-.33UU
.9UU		-.163U	-.351U	-.299U	-.25UU

AMES 11-7U7 OA12 02A LEFT VERTICAL (RBPV29) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3380	-1.1090	-1.0300	-.9020	-.6110
.050	.2720	.3100	.3110	.3140	.2120
.150	.1970	.2070	.1850	.1680	.0940
.300	.1070	.0810	.0740	.0420	-.0410
.520	-.0910	-.1040	-.1440	-.1920	-.1970
.650	-.2950	-.3470	-.2930	-.2800	-.2460
.775	-.1830	-.1980	-.1480	-.1290	-.1210
.900		-.1560	-.1120	-.0900	-.0800

MACH (1) = .900 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1430	-.0940	-.2280	-.1170	-.0630
.050	.1370	.1550	.1590	.1410	.1050
.150	.0020	.0820	.0600	.0460	.0120
.300	.0150	-.0140	-.0350	-.0510	-.0860
.520	-.1530	-.1690	-.2330	-.2540	-.2470
.650	-.2870	-.3790	-.3710	-.3270	-.2890
.775	-.1470	-.2090	-.1840	-.1400	-.1100
.900		-.1430	-.1240	-.0800	-.0490

MACH (1) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3060	.3850	.2760	.3310	.1570
.050	-.0130	-.1890	-.2570	-.2390	-.0970
.150	-.0410	-.0830	-.1080	-.1160	-.1000
.300	-.0790	-.1310	-.1570	-.1660	-.1490
.520	-.19?)	-.2340	-.3030	-.3030	-.2790
.650	-.2460	-.3860	-.4290	-.3630	-.3250
.775	-.1510	-.2140	-.1980	-.1420	-.0950
.900		-.1330	-.1040	-.0420	-.0070

MACH (1) = .800 BETA (4) = 4.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0800	.1320	.0760	-.0100	-.3130
.050	-.2080	-.5800	-.5980	-.6180	-.5750
.150	-.1920	-.2830	-.3940	-.4000	-.3210
.300	-.2030	-.2510	-.3100	-.3030	-.2520
.520	-.2690	-.2830	-.3540	-.3480	-.3090
.650	-.2080	-.3230	-.4610	-.3810	-.3490
.775	-.1710	-.2110	-.2160	-.1960	-.1200
.900		-.1420	-.1050	-.0560	-.0210

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV29)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4350	-.6190	-.3820	-.5300	-.8770
.050	-.4420	-1.0030	-.8010	-.7440	-.9280
.150	-.3700	-.7740	-.7410	-.7280	-1.0570
.300	-.3600	-.4050	-.7310	-.7100	-.7100
.520	-.3990	-.3520	-.4860	-.4750	-.3070
.650	-.3250	-.3520	-.4240	-.3590	-.3150
.775	-.2540	-.2420	-.2540	-.2590	-.2260
.900		-.1490	-.1510	-.1400	-.1330

MACH (2) = .898 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0690	-.4540	-.6520	-.5130	-.3650
.050	.2700	.3030	.3070	.2780	.1620
.150	.2120	.2330	.1870	.1320	.0120
.300	.1500	.1020	.0570	-.0070	-.1520
.520	-.0260	-.0640	-.1860	-.2970	-.3960
.650	-.3130	-.5760	-.7360	-.7130	-.5770
.775	-.2050	-.2520	-.3070	-.3940	-.2680
.900		-.1700	-.2570	-.2350	-.1490

MACH (2) = .902 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2160	.0650	-.0640	.0380	-.0500
.050	.1190	.1430	.1660	.1340	.0500
.150	.0880	.1120	.0730	.0210	-.0750
.300	.0410	.0040	-.0320	-.0980	-.1730
.520	-.1050	-.1270	-.2800	-.3240	-.4080
.650	-.2940	-.5830	-.9650	-.9550	-.6290
.775	-.1800	-.2620	-.3490	-.4350	-.2680
.900		-.1560	-.2510	-.1660	-.0680

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3230	.3490	.2730	.3080	.0830
.050	-.0330	-.1150	-.2720	-.3150	-.2270
.150	-.0500	-.0570	-.1020	-.1770	-.1790
.300	-.0860	-.1190	-.1620	-.2160	-.2060
.520	-.1970	-.2120	-.3270	-.3540	-.3960
.650	-.2960	-.4820	-1.0770	-.6510	-.4480
.775	-.1610	-.2760	-.3960	-.4600	-.2730
.900		-.1610	-.1970	-.3040	-.1500

MACH (2) = .897 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1670	.2410	.1490	.0650	-.2430
.050	-.1760	-.6610	-.6110	-.7360	-.9880
.150	-.1980	-.2760	-.5520	-.5920	-.9030
.300	-.2250	-.2620	-.4060	-.5450	-.5240

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV29)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2650	-.2800	-.3970	-.4620	-.4020
.650	-.2270	-.3440	-.9830	-.4390	-.3530
.775	-.1970	-.2620	-.3730	-.2580	-.1450
.900		-.1640	-.2050	-.1490	-.0520

MACH (2) = .898 BETA (5) = 8.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0920	-.1290	-.1430	-.3040	-.6130
.050	-.4570	-1.0270	-.8370	-.8820	-1.0950
.150	-.3910	-1.1630	-.7980	-.8340	-1.1340
.300	-.4800	-.4300	-.8720	-.7980	-.9520
.520	-.4070	-.3090	-.8720	-.6490	-.4170
.650	-.2900	-.3320	-.6630	-.5100	-.3410
.775	-.2800	-.3010	-.4360	-.3590	-.2720
.900		-.1820	-.2710	-.2520	-.2030

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV3D) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .990 BETA (1) = -8.090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2380	-1.1430	-1.1730	-1.0470	-.7670
.050	.1910	.2850	.2740	.2770	.1700
.150	.1520	.1750	.1660	.1480	.0710
.300	.0690	.0440	.0490	.0280	-.0590
.520	-.1060	-.1060	-.1320	-.1830	-.1870
.650	-.3150	-.3420	-.2660	-.2620	-.2170
.775	-.2040	-.1960	-.1490	-.1180	-.1200
.900		-.1720	-.1100	-.0830	-.0880

MACH (1) = .989 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2050	-.1650	-.3380	-.2820	-.1830
.050	.0340	.1350	.1440	.1540	.0900
.150	.0180	.0880	.0540	.0590	.0040
.300	-.0210	-.0400	-.0410	-.0530	-.0910
.520	-.1640	-.1650	-.2150	-.2350	-.2900
.650	-.2780	-.3710	-.3410	-.2990	-.2500
.775	-.1590	-.2110	-.1820	-.1300	-.1160
.900		-.1350	-.1160	-.0690	-.0690

MACH (1) = .988 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3510	.3440	.2140	.2610	.0910
.050	-.0560	-.0790	-.2370	-.2410	-.1030
.150	-.0780	-.0740	-.1170	-.1270	-.1040
.300	-.1110	-.1490	-.1670	-.1690	-.1510
.520	-.2240	-.2440	-.3080	-.2890	-.2620
.650	-.2550	-.4020	-.4200	-.3410	-.2900
.775	-.1480	-.2210	-.2050	-.1390	-.0940
.900		-.1500	-.1190	-.0450	-.0150

MACH (1) = .988 BETA (4) = 4.150

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1950	.0530	-.0220	-.1010	-.4140
.050	-.1800	-.6070	-.6120	-.5640	-.5980
.150	-.2400	-.2630	-.4410	-.4520	-.3790
.300	-.2160	-.2730	-.3140	-.3160	-.2450
.520	-.2710	-.3030	-.3490	-.3210	-.2730
.650	-.2530	-.3500	-.4420	-.3450	-.2980
.775	-.1850	-.2440	-.2160	-.1800	-.1090
.900		-.1690	-.1090	-.0510	-.0220

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV30)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .390 BETA (5) = 8.230

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	-.1900	-.0880	-.4690	-.6870	-.9170
.050	-.3930	-1.0410	-.7850	-.7830	-.8930
.150	-.3690	-.5400	-.8500	-.8270	-.8880
.300	-.3320	-.5950	-.8920	-.8400	-.5680
.520	-.3550	-.3580	-.4400	-.4160	-.3890
.650	-.2840	-.3760	-.3940	-.3080	-.3320
.775	-.2280	-.2870	-.2220	-.1950	-.2230
.900		-.1730	-.1200	-.1150	-.1590

MACH (2) = .901 BETA (1) = -0.160

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1350	-.4300	-.8070	-.6620	-.9000
.050	.1180	.2150	.2450	.2340	.1170
.150	.0980	.1680	.1410	.1030	-.0180
.300	.0800	.0520	.0200	-.0410	-.1720
.520	-.0760	-.0920	-.2020	-.3130	-.4080
.650	-.3280	-.5440	-.5090	-.5450	-.4780
.775	-.2160	-.2520	-.3080	-.3380	-.2200
.900		-.1860	-.2860	-.2210	-.2020

MACH (2) = .901 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1440	-.0120	-.2110	-.1140	-.1860
.050	-.0840	.0700	.1250	.1040	.0110
.150	-.0500	.0560	.0380	-.0180	-.1170
.300	-.0560	-.035[illegible]	-.0380	-.1330	-.2240
.520	-.1520	-.1490	-.2040	-.3620	-.4350
.650	-.3170	-.5620	-.8860	-.7030	-.4850
.775	-.1910	-.2010	-.3380	-.3650	-.2320
.900		-.1880	-.2760	-.1450	-.0770

MACH (2) = .905 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2820	.2780	.2140	.2310	.0040
.050	-.1640	-.2060	-.2530	-.2950	-.2560
.150	-.1970	-.1070	-.1290	-.1970	-.1950
.300	-.1800	-.1560	-.1880	-.2490	-.2340
.520	-.2240	-.2310	-.3470	-.3710	-.4110
.650	-.3040	-.5080	-1.0090	-.5820	-.3820
.775	-.1780	-.2880	-.3660	-.4300	-.2520
.900		-.1780	-.2020	-.2350	-.1140

MACH (2) = .902 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1430	.1650	.0360	-.0600	-.3630
.090	-.1940	-.7240	-.6450	-.6900	-.9540
.130	-.2640	-.3070	-.6070	-.6250	-.9080
.300	-.2810	-.3100	-.4280	-.6030	-.4480

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV3U)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9U2 BETA (4) = 4.19U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.2970	-.3020	-.4100	-.4960	-.3880
.65U	-.2650	-.3350	-.8320	-.4170	-.2090
.775	-.2U2U	-.295U	-.367U	-.249U	-.133U
.9UU		-.187U	-.2U7U	-.128U	-.05UU

MACH (2) = .9U5 BETA (5) = 8.32U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.1UU	.U22U	-.141U	-.256U	-.422U	-.7U5U
.U5U	-.364U	-1.U35U	-.863U	-.729U	-.939U
.15U	-.383U	-.725U	-.882U	-.734U	-1.U66U
.3UU	-.495U	-.495U	-1.U7UU	-.679U	-.728U
.52U	-.388U	-.325U	-.583U	-.541U	-.4U3U
.65U	-.263U	-.323U	-.477U	-.472U	-.341U
.775	-.254U	-.323U	-.252U	-.41UU	-.264U
.9UU		-.2U4U	-.166U	-.352U	-.212U

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV31) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0070	-1.0480	-1.2100	-1.1130	-.8800
.050	.0740	.2220	.2480	.2480	.1320
.150	.0570	.1500	.1460	.1370	.0510
.300	.0170	.0310	.0520	.0270	-.0790
.520	-.1280	-.1080	-.1210	-.1640	-.1710
.650	-.3060	-.3270	-.2510	-.2280	-.2030
.775	-.1990	-.1870	-.1390	-.1180	-.1120
.900		-.1870	-.1050	-.0790	-.0790

MACH (1) = .598 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3340	-.1050	-.3810	-.3250	-.2990
.050	-.0800	.0660	.1170	.1380	.0730
.150	-.0570	.0390	.0330	.0300	-.0140
.300	-.0810	-.0630	-.0450	-.0540	-.1080
.520	-.2220	-.1790	-.2120	-.2210	-.2240
.650	-.3110	-.3800	-.3270	-.2780	-.2390
.775	-.1590	-.2130	-.1720	-.1220	-.1030
.900		-.1780	-.1070	-.0530	-.0360

MACH (1) = .598 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3520	.3230	.1760	.2100	.0360
.050	-.1040	-.1080	-.2550	-.2440	-.1130
.150	-.1190	-.1150	-.1410	-.1380	-.1120
.300	-.1410	-.1790	-.1780	-.1770	-.1530
.520	-.2720	-.2690	-.3070	-.2740	-.2520
.650	-.3180	-.4360	-.4130	-.3230	-.2730
.775	-.1620	-.2390	-.2050	-.1360	-.0830
.900		-.1730	-.1180	-.0400	-.0050

MACH (1) = .989 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3150	.0120	-.1170	-.2260	-.5250
.050	-.1530	-.6370	-.6370	-.5560	-.6030
.150	-.1830	-.2700	-.4780	-.5410	-.4550
.300	-.2170	-.2990	-.3300	-.3320	-.2570
.520	-.2760	-.3220	-.3480	-.3080	-.2620
.650	-.2550	-.3830	-.4390	-.3240	-.2780
.775	-.1990	-.2710	-.2160	-.1770	-.1280
.900		-.1870	-.1120	-.0530	-.0390

AMES 11-707 OA12 CEA LEFT VERTICAL (RBPV31)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0400	-.7220	-.6020	-.8100	-.9400
.050	-.3550	-1.0720	-.8940	-.8420	-.7520
.150	-.3540	-.4520	-1.0510	-.9560	-.7240
.300	-.3540	-.4210	-.8860	-.9580	-.5720
.520	-.3630	-.3830	-.3440	-.3180	-.5140
.650	-.2880	-.3970	-.3930	-.2520	-.4080
.775	-.2330	-.3130	-.2660	-.1710	-.2670
.900		-.2070	-.1100	-.1220	-.1570

MACH (2) = .800 BETA (1) = -8.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0720	-.2940	-.8670	-.7550	-.5750
.050	-.1820	.0980	.1980	.2110	.1000
.150	-.1230	.0930	.1040	.0960	-.0190
.300	-.0750	.0090	.0000	-.0430	-.1730
.520	-.1500	-.1820	-.1850	-.2860	-.3750
.650	-.3170	-.5730	-.4256	-.3345	-.3700
.775	-.2230	-.2450	-.2750	-.2300	-.1800
.900		-.1990	-.2480	-.1500	-.1580

MACH (2) = .901 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0560	.0370	-.2990	-.1930	-.2650
.050	-.5720	-.1690	.0970	.0870	-.0070
.150	-.3070	-.0890	.0230	-.0270	-.1300
.300	-.2580	-.1130	-.0590	-.1430	-.2430
.520	-.2380	-.1680	-.2820	-.3620	-.3890
.650	-.2880	-.5480	-.8530	-.5280	-.4020
.775	-.1990	-.2680	-.3190	-.2960	-.1900
.900		-.2030	-.2400	-.1280	-.0660

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3420	.1630	.1760	.1890	-.0390
.050	-.3730	-.5350	-.2680	-.3110	-.2700
.150	-.3480	-.3120	-.1490	-.2050	-.2110
.300	-.4070	-.2180	-.1930	-.2640	-.2440
.520	-.2940	-.2500	-.3490	-.3830	-.3850
.650	-.3180	-.5980	-1.0020	-.4940	-.3610
.775	-.2050	-.3010	-.3280	-.3470	-.1810
.900		-.2050	-.1690	-.1900	-.0410

MACH (2) = .897 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0730	.1390	-.0660	-.1510	-.4650
.050	-.1580	-.6140	-.7300	-.6370	-.8960
.150	-.2790	-.4490	-.7190	-.6200	-.8730
.300	-.4170	-.4790	-.4410	-.6450	-.4390

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (PBPV31)

AMES 11-7U7 OA12 O2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.2UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.376U	-.3[illegible]U	-.369U	-.448U	-.329U
.65U	-.261U	-.348U	-.821U	-.335U	-.247U
.775	-.228U	-.31UU	-.2[illegible]U	-.177U	-.U83U
.9UU		-.214U	-.156U	-.U79U	-.U1UU

MACH (2) = .898 BETA (5) = 8.33U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.U34U	-.115U	-.348U	-.551U	-.758U
.U5U	-.289U	-.884U	-1.U48U	-.681U	-.736U
.15U	-.356U	-.552U	-1.152U	-.722U	-.7U9U
.3UU	-.471U	-.592U	-1.118U	-.728U	-.532U
.52U	-.461U	-.411U	-.273U	-.644U	-.454U
.85U	-.236U	-.339U	-.383U	-.585U	-.397U
.775	-.281U	-.355U	-.216U	-.478U	-.338U
.9UU		-.247U	-.157U	-.356U	-.311U

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV32) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1080	-.7820	-1.3760	-1.1740	-.9330
.050	-.2240	.1470	.2190	.2270	.1110
.150	-.0920	.0930	.1340	.1350	.0390
.300	-.0850	.0090	.0460	.0240	-.0850
.520	-.2020	-.1100	-.1130	-.1390	-.1540
.650	-.3230	-.3330	-.2290	-.1990	-.1890
.775	-.2330	-.1900	-.1280	-.1060	-.1130
.900		-.2130	-.0980	-.0730	-.0840

MACH (1) = .597 BETA (2) = -3.950

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3740	-.0350	-.5020	-.4820	-.3940
.050	-.2310	.0450	.1110	.1350	.0580
.150	-.1580	.0150	.0350	.0290	-.0180
.300	-.1670	-.0780	-.0460	-.0470	-.1110
.520	-.3040	-.1890	-.1970	-.2120	-.2080
.650	-.3810	-.4320	-.3140	-.2580	-.2120
.775	-.2160	-.2330	-.1610	-.1180	-.0940
.900		-.2160	-.1060	-.0530	-.0330

MACH (1) = .599 BETA (3) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4140	.3210	.1450	.1770	-.0010
.050	-.1690	-.1410	-.2240	-.2310	-.0900
.150	-.1690	-.1360	-.1520	-.1330	-.1140
.300	-.1930	-.2020	-.1890	-.1740	-.1510
.520	-.3330	-.3020	-.3090	-.2640	-.2370
.650	-.3770	-.5000	-.4180	-.3110	-.2640
.775	-.2210	-.2740	-.2050	-.1310	-.0830
.900		-.2200	-.1140	-.0420	.0040

MACH (1) = .598 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4070	.0550	-.2210	-.3290	-.6220
.050	-.1310	-.6040	-.6880	-.5710	-.6460
.150	-.1790	-.2890	-.4820	-.6020	-.4820
.300	-.2180	-.3210	-.3540	-.3430	-.2890
.520	-.3210	-.3550	-.3490	-.3000	-.2600
.650	-.3250	-.4470	-.4440	-.3090	-.2760
.775	-.2350	-.2980	-.2170	-.1680	-.1250
.900		-.2190	-.1090	-.0520	-.0360

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV32)

AMES 11-7D7 OA12 O2A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.290

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2110	-.5450	-.7590	-.8810	-.9000
.050	-.2070	-.6620	-.9890	-.8520	-.6630
.150	-.2770	-.4690	-1.3380	-.9400	-.6520
.300	-.3290	-.4800	-.6580	-.9130	-.5370
.520	-.3970	-.4500	-.3530	-.3650	-.5190
.650	-.3610	-.4700	-.3910	-.2800	-.3990
.775	-.2690	-.3470	-.2010	-.2110	-.2580
.900		-.2380	-.1200	-.1270	-.1710

MACH (2) = .902 BETA (1) = -8.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1770	-.2470	-.9140	-.9680	-.7010
.050	-.7310	-.2900	.1600	.1380	.0700
.150	-.4850	-.1000	.0720	.0730	-.0310
.300	-.2850	-.0870	-.0100	-.0490	-.1860
.520	-.2480	-.1680	-.1880	-.2650	-.3480
.650	-.3650	-.4620	-.4000	-.2990	-.2720
.775	-.2740	-.2810	-.2550	-.1990	-.1540
.900		-.2600	-.2280	-.1170	-.1100

MACH (2) = .898 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1280	-.0190	-.1850	-.2470	-.3360
.050	-1.0770	-.6570	.0570	.0720	-.0220
.150	-.5300	-.3640	-.0040	-.0380	-.1410
.300	-.3980	-.2790	-.0750	-.1500	-.2360
.520	-.3240	-.3070	-.2520	-.3510	-.3030
.650	-.3660	-.4980	-.9350	-.4430	-.3820
.775	-.2700	-.3270	-.3080	-.2700	-.1730
.900		-.2580	-.2130	-.1190	-.0590

MACH (2) = .905 BETA (3) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4420	.2180	.1590	.1470	-.0850
.050	-.7070	-.7460	-.2250	-.2880	-.2500
.150	-.4460	-.4490	-.1410	-.2150	-.2330
.300	-.5210	-.2100	-.1790	-.2870	-.2780
.520	-.3350	-.2540	-.3420	-.4090	-.3880
.650	-.3980	-.9040	-1.0970	-.4570	-.3290
.775	-.2680	-.3820	-.4440	-.3200	-.1730
.900		-.2580	-.1860	-.2050	-.0580

MACH (2) = .897 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0990	-.0850	.0110	-.2000	-.5360
.050	-.0390	-.2570	-.7930	-.7040	-.9050
.150	-.2090	-.2830	-.4360	-.6810	-.9200
.300	-.3630	-.2800	-.3660	-.5600	-.3860

DATE 18 SEP 71 TABULATED PRESSURE DATA - OA12A (RBPV32)

AMES 11-FT OA12 02A LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.3050	-.3830	-.4480	-.4150	-.3200
.650	-.4850	-.6030	-.9000	-.3080	-.2530
.775	-.2700	-.4160	-.3860	-.1790	-.0730
.900		-.2770	-.1950	-.0920	.0010

MACH (2) = .961 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0980	-.3250	-.3950	-.6890	-.8340
.050	-.1670	-.3790	-1.0730	-.6800	-.7830
.150	-.3010	-.4170	-1.1800	-.3460	-.6870
.300	-.3910	-.4930	-.6050	-.9570	-.5690
.520	-.4360	-.4670	-.4540	-.7040	-.5640
.650	-.3690	-.4870	-.4770	-.4940	-.4760
.775	-.3090	-.4440	-.3240	-.2710	-.3790
.900		-.2960	-.2090	-.1340	-.2540

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV33) (01 MAY 73)

AMES 11-7X7 OA12 OEA LEFT VERTICAL

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5500 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -4.910

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0840	-.2650	-.2630	-.1410	.0080
.050	.2880	.3120	.3770	.3950	.3190
.150	.2030	.2130	.2960	.2830	.2210
.300	.1090	.1170	.2540	.2240	.1680
.520	-.0980	.1670	.2080	.2620	.0120
.650	-.2790	.3290	.3280	.2360	-.1400
.775	-.2390	.1180	.1440	.0720	-.1960
.900		-.1340	-.0550	-.0510	-.1250

MACH (1) = .599 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.5060	.4950	.4790	.5140	.3630
.050	.0400	-.1530	-.1140	-.0610	.0790
.150	.0200	.0080	.0830	.0880	.0800
.300	-.0390	-.0510	.1020	.0960	.0340
.520	-.1980	.0670	.2260	.2280	-.0190
.650	-.3040	.2690	.2840	.1830	-.1860
.775	-.2340	.0450	.0780	.0120	-.1950
.900		-.1410	-.1220	-.1020	-.1110

MACH (1) = .598 BETA (3) = 5.280

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0150	.0960	.2040	.0870	-.2240
.050	-.4560	-.6170	-.5050	-.3800	-.4630
.150	-.1920	-.3370	-.3390	-.2940	-.2890
.300	-.2080	-.2480	-.1300	-.1400	-.1280
.520	-.3060	-.0390	.0860	.0150	-.1840
.650	-.3210	.1340	.1020	.0110	-.4020
.775	-.2250	-.0300	-.0120	-.0650	-.2520
.900		-.1640	-.1060	-.1270	-.1560

MACH (2) = .899 BETA (1) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3620	.1350	-.0220	.1040	.0940
.050	.2800	.2900	.4160	.4460	.3560
.150	.2170	.2180	.3400	.3470	.2650
.300	.1370	.1390	.3230	.2870	.1550
.520	-.0320	.2020	.3790	.3310	.0420
.650	-.2570	.4350	.4380	.2820	-.2350
.775	-.1940	.2140	.2750	.0810	-.2510
.900		-.0790	.1000	-.1350	-.2380

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 OBA LEFT VERTICAL (RBFV33)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4940	.4790	.5050	.5670	.4030
.050	.0240	-.2010	-.1310	.0110	.1250
.150	-.0230	-.0220	.1110	.1660	.1510
.300	-.0690	-.0710	.1660	.1800	.1140
.520	-.1840	.0610	.3380	.3150	.0490
.650	-.3150	.3690	.4060	.2770	-.2880
.775	-.2170	.1260	.2290	.0480	-.2910
.900		-.1160	.0560	-.1750	-.2780

MACH (2) = .900 BETA (3) = 5.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2580	.3440	.2930	.2540	-.0960
.050	-.6090	-.7320	-.6560	-.2130	-.4250
.150	-.2130	-.6130	-.6000	-.1710	-.4300
.300	-.3280	-.4520	-.4850	-.1280	-.3100
.520	-.4240	-.0280	-.0260	-.1460	-.1680
.650	-.3010	.2150	.2220	-.1530	-.6110
.775	-.2300	.0640	.2390	-.2640	-.3770
.900		-.1380	.0700	-.3600	-.3240

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV34) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.849U INCHES YMRP = .0000 INCHES
BREF = 39.849U INCHES ZMRP = .0000 INCHES
SCALE = .U3U0 SCALE

PARAMETRIC DATA

ALPHA = .UUU RUDDER = .UUU
ELEVON = .UUU RUDFLR = 4U.UUU

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.UUU	-.4260	-1.U650	-.8960	-.8U60	-.5280
.U50	.3510	.3940	.4590	.4510	.3350
.150	.2610	.2780	.3650	.3380	.2440
.300	.1680	.1630	.3000	.2580	.1050
.520	-.U410	.2110	.3U00	.2750	.UU20
.650	-.2490	.3580	.3390	.2150	-.1780
.775	-.2300	.1660	.1880	.U750	-.2350
.900		-.1260	.U330	-.U530	-.1560

MACH (1) = .599 BETA (2) = -3.950

Z/BV	.158	.316	.600	.840	.925
X/CV					
.UUU	.2330	-.U410	-.1160	-.U370	.U480
.U50	.1960	.2080	.2970	.3200	.2540
.150	.1310	.1380	.2350	.2310	.1710
.300	.0500	.U630	.1990	.1790	.U780
.520	-.1270	.1420	.2530	.2290	.0040
.650	-.2880	.3020	.2890	.2140	-.1230
.775	-.2300	.1020	.1140	.0540	-.1690
.900		-.1380	-.U690	-.U490	-.1000

MACH (1) = .599 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.UUU	.4740	.4530	.4210	.4490	.2990
.U50	.U290	-.1820	-.1240	-.U450	.U590
.150	-.U210	-.U240	.U620	.U830	.U780
.300	-.U710	-.U710	.U870	.U990	.U430
.520	-.2120	.U540	.2U90	.2180	.U160
.650	-.3020	.2580	.2600	.2030	-.U940
.775	-.2180	.U450	.U690	.U510	-.1120
.900		-.1390	-.1270	-.U610	-.U700

MACH (1) = .599 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.UUU	.1500	.2080	.2140	.1180	-.1690
.U50	-.3600	-.5580	-.4810	-.3750	-.3660
.150	-.1790	-.2680	-.2350	-.2400	-.1980
.300	-.1990	-.2170	-.U700	-.U640	-.U820
.520	-.2930	-.U240	.1280	.U880	-.1570
.650	-.3080	.1730	.1430	.U830	-.3700
.775	-.2140	-.U1[illegible]	.U620	-.U380	-.2220
.900		-.1	-.1900	-.1190	-.1060

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV34)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = 8.310

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.6530	-.5150	-.1670	-.3990	-.6080
.050	-.5930	-.9430	-.5850	-.5680	-.5940
.150	-.3700	-.7980	-.5010	-.5530	-.6200
.300	-.3750	-.4520	-.4210	-.6210	-.4470
.520	-.4390	-.1480	-.2530	-.3110	-.2870
.650	-.3450	.0430	-.1850	-.1750	-.2930
.775	-.2290	-.0970	-.1910	-.0520	-.2860
.900		-.1930	-.2360	-.0460	-.1780

MACH (2) = .899 BETA (1) = -8.100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0990	-.2410	-.5140	-.3300	-.1490
.050	.3240	.3650	.4660	.4910	.3670
.150	.2510	.2730	.3910	.3820	.2790
.300	.1790	.1690	.3520	.3070	.1490
.520	.0050	.2400	.3760	.3200	.0180
.650	-.2410	.4470	.4270	.2540	-.2680
.775	-.2100	.2520	.2800	.0790	-.3120
.900		-.0580	.1080	-.1190	-.2450

MACH (2) = .897 BETA (2) = -4.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3850	.1840	.0320	.1880	.1140
.050	.1450	.1620	.3260	.3750	.2920
.150	.0950	.1210	.2840	.2860	.2140
.300	.0410	.0700	.2740	.2430	.1120
.520	-.0950	.1630	.3480	.2890	.0140
.650	-.2880	.4100	.3990	.2470	-.2230
.775	-.1940	.1940	.2410	.0530	-.2330
.900		-.0840	.0690	-.1520	-.2390

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3900	.3820	.4390	.5040	.3360
.050	-.0720	-.2680	-.1420	-.0080	.0940
.150	-.1100	-.0820	.0860	.1400	.1260
.300	-.1310	-.1070	.1460	.1540	.0880
.520	-.2100	.0640	.3100	.2740	.0220
.650	-.2970	.3450	.3710	.2430	-.2570
.775	-.2200	.1260	.2050	.0260	-.2610
.900		-.1040	.0340	-.1870	-.2720

MACH (2) = .896 BETA (4) = 4.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3110	.3470	.2790	.2650	-.0730
.050	-.4210	-.7400	-.5840	-.1660	-.3460
.150	-.2460	-.4700	-.5430	-.1240	-.3290
.300	-.3480	-.4100	-.2890	-.0910	-.1450

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV34)

AMES 11-7D7 OA12 OBA LEFT VERTICAL

SECTION (1)LEFT VERTICAL

DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.250

Z/BV	.158	.316	.640	.840	.925
X/CV					
.520	-.3930	-.0130	.2200	-.1150	-.1820
.650	-.2850	.2750	.3020	-.1260	-.4840
.775	-.2200	.0780	.1880	-.1970	-.3400
.900		-.1270	.0160	-.2380	-.2840

MACH (2) = .901 BETA (5) = 8.430

Z/BV	.158	.316	.640	.840	.925
X/CV					
.000	-.0290	.0410	.0290	-.1010	-.2910
.050	-.5190	-.9550	-.9410	-.3620	-.2720
.150	-.3900	-1.0180	-.8540	-.3500	-.2750
.300	-.4820	-.5680	-.8270	-.3510	-.2480
.520	-.5810	-.2370	-.6990	-.4110	-.3020
.650	-.3960	.1770	-.4610	-.3650	-.3090
.775	-.2940	.1490	-.0820	-.3680	-.3160
.900		-.1560	.1220	-.3370	-.3040

AMES 11-FT OA12 OEA LEFT VERTICAL (RBPV35) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3800	-1.1550	-.9980	-.9070	-.6380
.050	.2350	.3400	.4050	.3980	.2770
.150	.2080	.2390	.3230	.3010	.1950
.300	.1270	.1330	.2710	.2230	.0660
.520	-.0560	.1930	.2730	.2370	-.0230
.650	-.2480	.3460	.3070	.1800	-.1670
.775	-.2210	.1620	.1650	.0510	-.2250
.900		-.1350	.0190	-.0670	-.1240

MACH (1) = .599 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1480	-.0770	-.2080	-.1400	-.0480
.050	.1280	.1760	.2740	.2930	.2150
.150	.0810	.1130	.2110	.2050	.1430
.300	.0210	.0460	.1840	.1630	.0530
.520	-.1310	.1230	.2300	.2080	-.0110
.650	-.2720	.3010	.2630	.1870	-.1330
.775	-.2160	.1050	.1160	.0530	-.1790
.900		-.1440	-.0340	-.0490	-.1160

MACH (1) = .599 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3960	.3980	.3580	.3850	.2310
.050	-.0250	-.2010	-.1380	-.0560	.0220
.150	-.0580	-.0510	.0440	.0630	.0580
.300	-.0920	-.0950	.0630	.0740	.0290
.520	-.2160	.0420	.1840	.1950	.0100
.650	-.2880	.2490	.2330	.1860	-.0690
.775	-.2060	.0400	.0620	.0480	-.1230
.900		-.1480	-.0980	-.0460	-.0240

MACH (1) = .599 BETA (4) = 4.170

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0830	.1380	.1280	.0250	-.2320
.050	-.2580	-.5870	-.4750	-.3440	-.3710
.150	-.2200	-.2840	-.2640	-.2620	-.2460
.300	-.2380	-.2330	-.1010	-.0810	-.0680
.520	-.3120	-.0380	.1150	.1040	-.0720
.650	-.3020	.1580	.1350	.1070	-.1660
.775	-.2060	-.0360	.0060	.0140	-.1730
.900		-.1740	-.1400	-.0620	-.0400

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (SBPV55)

AMES 11-70? OA12 OBA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (0) = 0.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3050	-.6070	-.2920	-.5480	-.6620
.050	-.5190	-1.0300	-.6190	-.6470	-.5490
.150	-.4130	-.8360	-.5620	-.7410	-.5590
.300	-.3910	-.3940	-.5620	-.8280	-.4270
.520	-.4290	-.1580	-.2850	-.1740	-.4790
.650	-.3420	.0360	-.1840	-.0290	-.3970
.775	-.2180	-.1270	-.1890	.0480	-.3490
.900		-.2160	-.2110	-.0220	-.1660

MACH (2) = .900 BETA (1) = -0.160

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1100	-.3170	-.6820	-.3840	-.2370
.050	.2070	.3620	.4230	.4420	.3180
.150	.1080	.2340	.3580	.3492	.2390
.300	.1230	.1410	.3220	.2680	.1140
.520	-.1810	.2280	.3260	.2820	-.0110
.650	-.2430	.4370	.3860	.2190	-.2430
.775	-.1970	.2540	.2510	.0530	-.2950
.900		-.0470	.0860	-.1360	-.2410

MACH (2) = .900 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1880	.0880	-.0540	.0130	-.0180
.050	-.0010	.1010	.2980	.3430	.2570
.150	-.0190	.0830	.2560	.2560	.1820
.300	-.0270	.0250	.2410	.2150	.0860
.520	-.1310	.1480	.3050	.2580	-.0140
.650	-.2660	.3880	.3570	.2090	-.1890
.775	-.2030	.1980	.2060	.0310	-.2390
.900		-.0770	.0410	-.1580	-.2210

MACH (2) = .804 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2680	.2980	.3740	.4310	.2560
.050	-.1900	-.2060	-.1450	-.0120	.0500
.150	-.1850	-.0930	.0720	.1090	.0940
.300	-.1580	-.1060	.1230	.1230	.0540
.520	-.2110	.0550	.2780	.2350	-.0070
.650	-.2780	.3010	.3350	.2000	-.2040
.775	-.1960	.1210	.1770	.0100	-.2310
.900		-.1050	.0150	-.1880	-.2530

MACH (2) = .802 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1370	.2650	.1670	.1440	-.1710
.050	-.2240	-.0110	-.5070	-.2050	-.3850
.150	-.2990	-.4[illegible]	-.4240	-.1740	-.4050
.300	-.4090	-.4[illegible]	-.1980	-.1720	-.1510

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV35)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4020	-.0490	.1890	-.0570	-.1630
.650	-.2730	.2370	.2230	.0140	-.3090
.775	-.2170	.0480	.1300	-.0400	-.2820
.900		-.1370	-.0150	-.1650	-.2640

MACH (2) = .898 BETA (5) = 8.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0270	-.0380	-.0970	-.1810	-.3820
.050	-.4000	-1.0010	-.9730	-.2900	-.2850
.150	-.3830	-1.1610	-.8750	-.3050	-.3020
.300	-.5220	-.5610	-.8940	-.3310	-.2530
.520	-.5930	-.1450	-.6130	-.4730	-.2930
.650	-.3530	.1240	-.1790	-.4000	-.3050
.775	-.2780	-.0110	.1400	-.4310	-.3040
.900		-.1670	.0800	-.3610	-.2810

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPV36) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.3500 INCHES
LREF = 39.8480 INCHES YMRP = .0000 INCHES
BREF = 39.8480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .500 BETA (1) = -8.070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3080	-1.2240	-1.1080	-.9720	-.7650
.050	.2080	.2980	.3650	.3470	.2180
.150	.1580	.2190	.2920	.2630	.1540
.300	.0970	.1180	.2480	.1920	.0250
.525	-.0610	.1890	.2490	.1970	-.0620
.650	-.2490	.3420	.2780	.1420	-.1940
.775	-.2180	.1770	.1490	.0260	-.2450
.900		-.1360	.0070	-.0890	-.1580

MACH (1) = .500 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1900	-.1840	-.3330	-.2860	-.1940
.050	.0370	.1480	.2510	.2680	.1810
.150	.0190	.0890	.1920	.1830	.1080
.300	-.0280	.0210	.1660	.1360	.0180
.520	-.1490	.1140	.2040	.1840	-.0510
.650	-.2820	.3030	.2390	.1450	-.1490
.775	-.2250	.1170	.0960	.0280	-.2050
.900		-.1580	-.0480	-.0710	-.1230

MACH (1) = .500 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3300	.3590	.3020	.3180	.1610
.050	-.0730	-.0860	-.1000	-.0550	.0100
.150	-.0920	-.0680	.0320	.0470	.0390
.300	-.1260	-.1020	.0540	.0470	.0020
.520	-.2310	.0380	.1620	.1640	-.0190
.650	-.2970	.2530	.2050	.1440	-.0960
.775	-.2080	.0580	.0460	.0260	-.1450
.900		-.1620	-.1070	-.0600	-.0670

MACH (1) = .500 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1690	.0710	.0220	-.0810	-.3460
.050	-.2210	-.6170	-.4890	-.3470	-.4220
.150	-.2360	-.2640	-.3390	-.3270	-.2890
.300	-.2430	-.2410	-.1180	-.1360	-.1080
.520	-.3030	-.0630	.0970	.0960	-.0800
.650	-.3080	.1140	.1190	.1030	-.1600
.775	-.1880	-.0730	-.0070	.0100	-.1980
.900		-.19	-.1360	-.0820	-.0560

AMES 11-7b7 OA12 02A LEFT VERTICAL (RBPV36)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .899 BETA (5) = 8.239

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3140	-.6800	-.4130	-.6930	-.7040
.050	-.4610	-1.0880	-.6390	-.6810	-.5430
.150	-.4190	-.6800	-.6490	-.8140	-.5400
.300	-.3910	-.3820	-.6710	-.9000	-.4640
.520	-.3950	-.1420	-.2340	-.0940	-.5400
.650	-.3280	-.0200	-.1290	.0120	-.3950
.775	- 2040	-.1390	-.1060	.0006	-.4030
.900		-.2280	-.1770	-.0920	-.1710

MACH (2) = .903 BETA (1) = -8.170

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1330	-.3320	-.8040	-.5420	-.4210
.050	.0370	.2090	.3570	.3790	.2550
.150	.0410	.1590	.3090	.2990	.1850
.300	.0370	.0790	.2800	.2310	.0560
.520	-.0750	.1950	.3160	.2330	-.0620
.650	-.2810	.4300	.3420	.1690	-.2870
.775	-.2150	.2570	.2150	.0210	-.3460
.900		-.0540	.0610	-.1640	-.2930

MACH (2) = .903 BETA (2) = -4.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1040	.0260	-.2010	-.1180	-.1450
.050	-.1690	.0250	.2510	.3010	.2030
.150	-.1250	.0160	.2170	.2170	.1290
.300	-.1140	-.0280	.2120	.1680	.0260
.520	-.1750	.1220	.2720	.1980	-.0680
.650	-.2810	.3890	.3050	.1430	-.2040
.775	-.2160	.2150	.1720	-.0140	-.2420
.900		-.0730	.0070	-.1770	-.2240

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2530	.2050	.2930	.3520	.1620
.050	-.2320	-.3280	-.1040	-.0140	.0380
.150	-.2670	-.1810	.0400	.0770	.0580
.300	-.2650	-.1720	.0970	.0830	.0150
.520	-.2690	.0190	.2330	.1910	-.0490
.650	-.3020	.2890	.2800	.1560	-.2020
.775	-.2040	.1130	.1360	-.0240	-.2250
.900		-.1170	-.0240	-.1990	-.2360

MACH (2) = .897 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1060	.1710	.0610	.0080	-.2980
.050	-.2050	-.7330	-.5230	-.2580	-.4150
.150	-.3000	-.4240	-.4460	-.2500	-.4020
.300	-.4120	-.4180	-.2010	-.2440	-.0900

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV38)

AMES 11-707 OA12 OEA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.210

Z/BV	.158	.316	.684	.840	.925
X/CV					
.520	-.4040	-.0910	.1610	-.0440	-.1280
.650	-.2790	.1070	.1990	.0290	-.2240
.775	-.2280	-.0080	.0940	-.0110	-.2780
.900		-.1670	-.0560	-.1470	-.2470

MACH (2) = .902 BETA (5) = 8.330

Z/BV	.158	.316	.684	.840	.925
X/CV					
.000	.0280	-.0850	-.2310	-.3490	-.4630
.050	-.3270	-.3330	-1.0470	-.3550	-.3140
.150	-.3680	-.6080	-1.0480	-.3980	-.3210
.300	-.4940	-.5780	-1.0180	-.4720	-.2910
.520	-.5310	-.2270	.1020	-.6840	-.3830
.650	-.3430	-.0580	.1510	-.5350	-.3650
.775	-.2850	-.1140	.0540	-.4840	-.3710
.900		-.2030	-.0790	-.3580	-.3990

AMES 11-707 OA12 OBA LEFT VERTICAL (RBPV37) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .038 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.050

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0240	-1.1360	-1.1370	-.9300	-.7470
.050	.0870	.2380	.3240	.2990	.1740
.150	.0580	.1750	.2660	.2310	.1170
.300	.0140	.0940	.2210	.1590	-.0130
.520	-.1080	.1750	.2220	.1630	-.0880
.650	-.2780	.3410	.2450	.1090	-.2010
.775	-.2420	.1830	.1260	.0080	-.2560
.900		-.1530	-.0110	-.0970	-.1710

MACH (1) = .598 BETA (2) = -3.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3180	-.1410	-.3920	-.3420	-.2820
.050	-.0840	.0950	.2190	.2320	.1420
.150	-.0590	.0590	.1660	.1490	.0780
.300	-.0990	-.0100	.1450	.1090	-.0120
.520	-.2100	.1010	.1800	.1500	-.0620
.650	-.3310	.3040	.2080	.1200	-.1380
.775	-.2590	.1360	.0680	.0130	-.1930
.900		-.1640	-.0920	-.0820	-.1120

MACH (1) = .598 BETA (3) = .000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3360	.3210	.2420	.2570	.0920
.050	-.1330	-.1140	-.1280	-.0760	-.0210
.150	-.1390	-.1030	.0030	.0130	.0490
.300	-.1630	-.1360	.0290	.0170	-.0350
.520	-.2760	.0140	.1340	.1260	-.0610
.650	-.3310	.2320	.1750	.1060	-.1300
.775	-.2340	.0510	.0190	-.0050	-.1590
.900		-.1930	-.1470	-.0930	-.1100

MACH (1) = .598 BETA (4) = 4.060

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2890	.0310	-.0720	-.1960	-.4470
.050	-.1960	-.6710	-.5240	-.3720	-.4830
.150	-.2320	-.2880	-.4410	-.4090	-.2830
.300	-.2550	-.2890	-.1450	-.1780	-.1090
.520	-.3380	-.0880	.0660	.0640	-.0970
.650	-.3470	.0850	.0800	.0810	-.1700
.775	-.2150	-.0920	-.0540	-.0190	-.1990
.900		-.2270	-.2210	-.0970	-.0580

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV37)

AMES 11-707 OA12 CBA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0700	-.7290	-.5600	-.7090	-.7080
.050	-.4290	-1.1310	-.7320	-.6520	-.5160
.150	-.4190	-.5010	-.8780	-.7720	-.5180
.300	-.4080	-.4220	-.7870	-.8150	-.4700
.520	-.4030	-.1770	-.1670	-.2440	-.4950
.650	-.3480	-.0580	-.0760	-.1830	-.4050
.775	-.2620	-.1590	-.1060	-.1450	-.3840
.900		-.2830	-.2100	-.1770	-.2190

MACH (2) = .600 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0620	-.2810	-.0760	-.6440	-.5350
.050	-.2310	.0680	.3120	.3330	.2130
.150	-.1810	.0620	.2730	.2680	.1530
.300	-.1390	.0170	.2590	.1950	.0230
.520	-.1720	.1730	.2940	.2060	-.0900
.650	-.2960	.4290	.3220	.1360	-.2680
.775	-.2690	.2720	.2010	-.0060	-.3430
.900		-.0530	.0390	-.1840	-.2920

MACH (2) = .597 BETA (2) = -4.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0930	-.0620	-.2320	-.1340	-.1820
.050	-.6270	-.2340	.1850	.2660	.1700
.150	-.3820	-.1920	.1760	.1930	.0990
.300	-.3560	-.1670	.1930	.1460	.0020
.520	-.3100	.0490	.2700	.1810	-.0950
.650	-.3030	.3260	.3070	.1230	-.2240
.775	-.2730	.1870	.1750	-.0270	-.2510
.900		-.0870	.0150	-.1940	-.2410

MACH (2) = .600 BETA (3) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3340	.1520	.2450	.3160	.1160
.050	-.3960	-.5220	-.1440	-.0340	.0230
.150	-.3640	-.3940	.0220	.0580	.0350
.300	-.4460	-.3260	.0840	.0640	-.0060
.520	-.3570	-.0180	.2210	.1630	-.0790
.650	-.3240	.3040	.2600	.1290	-.2330
.775	-.2400	.1180	.1250	-.0410	-.2580
.900		-.1320	-.0340	-.2090	-.2530

MACH (2) = .598 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0780	.0890	-.0310	-.0620	-.3520
.050	-.1700	-.6220	-.8400	-.2440	-.4160
.150	-.2990	-.4[illegible]	-.6780	-.2230	-.2880
.300	-.4520	-.[illegible]	-.0470	-.2410	-.1010

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPV37)

AMES 11-707 OA12 OBA LEFT VERTICAL

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.4840	-.1190	.1690	-.1680	-.1740
.650	-.3380	.0960	.1880	-.0950	-.2420
.775	-.2610	.0030	.0670	-.0330	-.2850
.900		-.1800	-.0790	-.1070	-.2580

MACH (2) = .902 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0360	-.0860	-.3060	-.4750	-.5080
.050	-.3660	-.8480	-1.0580	-.4880	-.3360
.150	-.3790	-.5440	-1.1090	-.4970	-.3510
.300	-.4880	-.5880	-1.0450	-.5930	-.3180
.520	-.5360	-.3090	.0430	-.8010	-.4910
.650	-.3760	-.1560	.0690	-.5750	-.4060
.775	-.3050	-.1730	-.0250	-.4360	-.4110
.900		-.2270	-.1510	-.2770	-.3990

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPV38) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -0.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1120	-1.0450	-1.2580	-.7520	-.5920
.050	-.1910	.1770	.2910	.2730	.1390
.150	-.0910	.1330	.2500	.2120	.0890
.300	-.0805	.0700	.2080	.1330	-.0310
.520	-.1810	.1700	.2130	.1430	-.1090
.650	-.3110	.3540	.2310	.0850	-.2370
.775	-.3220	.2480	.1170	-.0150	-.3130
.900		-.1650	-.0180	-.1270	-.1980

MACH (1) = .599 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3790	-.0840	-.4630	-.4820	-.3620
.050	-.2120	.0580	.2030	.2050	.1060
.150	-.1580	.0370	.1540	.1270	.0430
.300	-.1740	-.0270	.1330	.0840	-.0470
.520	-.2740	.0970	.1640	.1210	-.0910
.650	-.3680	.3220	.1850	.0660	-.1520
.775	-.3200	.1820	.0450	-.0150	-.1660
.900		-.1640	-.1320	-.1110	-.1680

MACH (1) = .597 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4040	.3310	.2210	.2250	.0440
.050	-.1630	-.1380	-.1070	-.0790	-.0490
.150	-.1770	-.1280	-.0680	.0020	-.0140
.300	-.1950	-.1520	.0690	.0840	-.0540
.520	-.3030	.0450	.1350	.1050	-.0810
.650	-.3670	.2450	.1660	.0810	-.1540
.775	-.2780	.0950	.0130	-.0270	-.1940
.900		-.2120	-.1550	-.1170	-.1510

MACH (1) = .597 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3940	.0310	-.1670	-.3010	-.5540
.050	-.1740	-.5620	-.5450	-.4050	-.5620
.150	-.2280	-.3050	-.4910	-.4910	-.2710
.300	-.2690	-.3010	-.1470	-.1080	-.1110
.520	-.3720	-.0980	.0450	.0580	-.1480
.650	-.3970	.1130	.0610	.0450	-.2110
.775	-.2700	-.0320	-.0720	-.0650	-.2440
.900		-.23	-.2410	-.1460	-.1540

AMES 11-7U7 OA12 OBA LEFT VERTICAL (RBPV38)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1960	-.6350	-.7190	-.7580	-.6220
.050	-.2720	-.8200	-.9010	-.6300	-.4550
.150	-.3360	-.5170	-1.1750	-.6920	-.4520
.300	-.3980	-.4920	-.6990	-.6950	-.3930
.520	-.4420	-.2400	-.1270	-.4590	-.4400
.650	-.3920	-.0540	-.0920	-.3750	-.3960
.775	-.2770	-.1690	-.1460	-.2760	-.3730
.900		-.2860	-.2710	-.2200	-.3010

MACH (2) = .901 BETA (1) = -8.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2040	-.2970	-.9540	-.7520	-.6860
.050	-.7470	-.4270	.2770	.2850	.1520
.150	-.5120	-.1430	.2430	.2260	.0920
.300	-.3450	-.0570	.2320	.1610	-.0260
.520	-.2430	.1210	.2520	.1550	-.1310
.650	-.3030	.3120	.2760	.0890	-.3070
.775	-.3100	.2390	.1670	-.0440	-.3470
.900		-.0680	.0110	-.2370	-.2420

MACH (2) = .899 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1230	-.0190	-.1800	-.1700	-.2630
.050	-1.0580	-.7700	.1690	.2390	.1340
.150	-.5360	-.4600	.1430	.1660	.0650
.300	-.4350	-.2640	.1520	.1210	-.0300
.520	-.3230	-.0950	.2460	.1570	-.1360
.650	-.3340	.0430	.3100	.1040	-.3070
.775	-.3090	-.0390	.1780	-.0470	-.3290
.900		-.2150	.0280	-.2470	-.3310

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4410	.2140	.2280	.2690	.0710
.050	-.7160	-.7620	-.1040	-.0270	.0210
.150	-.4440	-.4650	.0350	.0490	.0130
.300	-.5260	-.5110	.0960	.0500	-.0380
.520	-.4150	-.0410	.2260	.1290	-.1280
.650	-.3590	.3230	.2540	.0880	-.3010
.775	-.2770	.1060	.1250	-.0810	-.3380
.900		-.1640	-.0320	-.2730	-.3370

MACH (2) = .900 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0610	-.2510	.0080	-.1300	-.4490
.050	-.0720	-.2700	-.6120	-.3160	-.4860
.150	-.2080	-.3740	-.2850	-.3690	-.2670
.300	-.3790	-.4580	-.0590	-.2420	-.1160

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 CPA LEFT VERTICAL (RBPV30)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.220

Z/BV / X/CV	.158	.316	.600	.840	.925
.520	-.4610	-.1600	.1110	.0330	-.2570
.650	-.3540	.1290	.1050	.0360	-.3400
.775	-.2740	.0560	.0110	-.0940	-.3560
.900		-.1810	-.1400	-.2860	-.3500

MACH (2) = .899 BETA (5) = -.380

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0990	-.2240	-.3730	-.6280	-.6910
.050	-.1770	-.4230	-1.0310	-.8040	-.4990
.150	-.2970	-.4660	-1.0540	-.6820	-.4940
.300	-.4330	-.5060	-.2740	-.7980	-.4510
.520	-.4680	-.2530	-.1280	-.6720	-.6530
.650	-.4210	.0310	-.1480	-.3910	-.4420
.775	-.3010	-.0710	-.2260	-.0990	-.4420
.900		-.2250	-.3490	-.0960	-.4230

AMES 11-7D7 OA12 O2A LEFT VERTICAL (RBPV39) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (1) = -4.550

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6990	.5850	.5220	.5020	.4110
.050	.1470	-.0920	-.1700	-.1290	-.0940
.150	.1470	.0650	.0510	.0580	.0430
.300	.0320	.0100	.0520	.0000	-.0270
.520	-.0580	-.0270	-.0570	-.0440	-.0580
.650	-.5030	-.6630	-.6700	-.6860	-.6820
.775	-.3680	-.5550	-.6500	-.6770	-.6970
.900		-.2210	-.6420	-.6630	-.6180

MACH (1) = 1.100 ALPHA (2) = -3.520

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6890	.5610	.4930	.5590	.3870
.050	.1570	-.1030	-.1880	-.1420	-.1070
.150	.1300	.0460	.0300	.0490	.0340
.300	.0180	-.0130	.0360	-.0100	-.0390
.520	-.0760	-.0520	-.0650	-.0500	-.0670
.650	-.5280	-.6650	-.6700	-.6880	-.6850
.775	-.3690	-.5590	-.6510	-.6770	-.6980
.900		-.2160	-.6430	-.6630	-.6240

MACH (1) = 1.100 ALPHA (3) = -1.480

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6730	.5240	.4480	.5160	.3410
.050	.1600	-.1300	-.2120	-.1670	-.1370
.150	.1000	.0170	.0040	.0270	.0120
.300	-.0100	-.0480	-.0010	-.0290	-.0600
.520	-.1050	-.0820	-.0850	-.0640	-.0870
.650	-.5470	-.6790	-.6790	-.6990	-.6960
.775	-.3730	-.5800	-.6580	-.6860	-.7060
.900		-.2160	-.6470	-.6700	-.6460

MACH (1) = 1.099 ALPHA (4) = .940

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6240	.4990	.3890	.4590	.2090
.050	.1490	-.1650	-.2400	-.2100	-.1750
.150	.0720	-.0160	-.0350	-.0050	-.0220
.300	-.0420	-.0840	-.0590	-.0560	-.0890
.520	-.1400	-.1280	-.1130	-.0840	-.1130
.650	-.5630	-.6920	-.6930	-.7120	-.7130
.775	-.3810	-.5790	-.6730	-.6990	-.7190
.900		-.2210	-.6600	-.6790	-.6610

AMES 11-707 OA12 OBA LEFT VERTICAL (RBPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.100 ALPHA (5) = 2.510

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5700	.4710	.3360	.4080	.2310
.050	.1250	-.1970	-.2640	-.2490	-.2180
.150	.0400	-.0440	-.0660	-.0430	-.0500
.300	-.0730	-.1160	-.0900	-.0850	-.1130
.520	-.1660	-.1800	-.1370	-.1040	-.1360
.650	-.6230	-.7040	-.7020	-.7230	-.7240
.775	-.3850	-.5960	-.6820	-.7080	-.7280
.900		-.2280	-.6700	-.6800	-.6940

MACH (1) = 1.089 ALPHA (6) = 4.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5540	.4490	.3400	.3670	.1840
.050	.1000	-.2170	-.2870	-.2670	-.2480
.150	.0280	-.0580	-.0950	-.0710	-.0780
.300	-.0960	-.1400	-.1160	-.1050	-.1360
.520	-.1630	-.1840	-.1580	-.1200	-.1580
.650	-.6640	-.7120	-.7110	-.7310	-.7350
.775	-.3860	-.6310	-.6910	-.7180	-.7350
.900		-.2320	-.6800	-.6990	-.6950

MACH (1) = 1.100 ALPHA (7) = 6.630

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5040	.4120	.2250	.2930	.1100
.050	.0520	-.2480	-.3060	-.3040	-.2880
.150	-.0130	-.1050	-.1380	-.1190	-.1230
.300	-.1340	-.1830	-.1600	-.1490	-.1730
.520	-.2130	-.2200	-.1920	-.1520	-.1890
.650	-.7030	-.7300	-.7220	-.7490	-.7490
.775	-.3910	-.6820	-.7090	-.7320	-.7480
.900		-.2440	-.6990	-.7100	-.7180

MACH (1) = 1.100 ALPHA (8) = 8.590

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4790	.3810	.1820	.2360	.0590
.050	.0170	-.2690	-.3400	-.3310	-.3150
.150	-.0410	-.1380	-.1660	-.1520	-.1550
.300	-.1690	-.2190	-.1940	-.1780	-.2030
.520	-.2400	-.2480	-.2190	-.1790	-.2170
.650	-.7170	-.7410	-.7360	-.7560	-.7610
.775	-.4000	-.6980	-.7230	-.7440	-.7610
.900		-.2540	-.7140	-.7200	-.7400

MACH (1) = 1.089 ALPHA (9) = 9.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4610	.3520	.1530	.2010	.0290
.050	-.0080	-.2790	-.3480	-.3480	-.3330
.150	-.0800	-.1540	-.1860	-.1750	-.1780
.300	-.1850	-.2	-.2190	-.2000	-.2200

AMES 11-707 OA12 02A LEFT VERTICAL (RBPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (9) = 9.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2620	-.2670	-.2350	-.1950	-.2330
.650	-.7250	-.7470	-.7420	-.7620	-.7680
.775	-.4020	-.6780	-.7300	-.7490	-.7660
.900		-.2610	-.7210	-.7280	-.7490

MACH (1) = 1.101 ALPHA (10) = 14.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4380	.2980	.0680	.0830	-.0770
.050	-.0690	-.3330	-.3910	-.3690	-.3650
.150	-.1080	-.1950	-.2430	-.2340	-.2390
.300	-.2190	-.2850	-.2750	-.2490	-.2700
.520	-.3130	-.3170	-.2730	-.2410	-.2920
.650	-.7470	-.7580	-.7560	-.7790	-.7910
.775	-.4370	-.7170	-.7420	-.7700	-.7830
.900		-.2880	-.7340	-.7450	-.7730

MACH (2) = 1.247 ALPHA (1) = -4.440

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.8010	.6680	.5650	.6190	.4680
.050	.2180	.0260	-.0610	-.0490	-.0450
.150	.2460	.1620	.1300	.1420	.1350
.300	.1360	.0880	.0990	.0930	.0760
.520	.0290	.0400	.0440	.0940	.0750
.650	-.3810	-.4840	-.4650	-.4750	-.4730
.775	-.3290	-.4910	-.4610	-.4750	-.4850
.900		-.1590	-.4550	-.4610	-.4420

MACH (2) = 1.248 ALPHA (2) = -3.470

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7880	.6440	.5430	.5910	.4350
.050	.2150	.0090	-.0840	-.0670	-.0600
.150	.2300	.1440	.1150	.1250	.1210
.300	.1190	.0680	.0810	.0750	.0640
.520	.0100	.0220	.0290	.0820	.0630
.650	-.3970	-.4870	-.4710	-.4800	-.4780
.775	-.3310	-.5010	-.4680	-.4780	-.4940
.900		-.1600	-.4620	-.4660	-.4540

MACH (2) = 1.247 ALPHA (3) = -1.470

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7530	.6140	.4910	.5400	.3820
.050	.2130	-.0190	-.0990	-.0890	-.0840
.150	.1980	.1170	.0860	.0960	.0880
.300	.0900	.0380	.0490	.0460	.0360
.520	-.0170	-.0070	.0040	.0590	.0380

AMES 11-7D7 CA12 CBA LEFT VERTICAL (RDPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.247 ALPHA (3) = -1.470

Z/BV	.158	.316	.600	.840	.925
X/CV					
.650	-.4240	-.4980	-.4820	-.4300	-.4890
.775	-.3380	-.5170	-.4200	-.4880	-.5010
.900		-.1640	-.4730	-.4760	-.4700

MACH (2) = 1.248 ALPHA (4) = .520

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6800	.5810	.4400	.4870	.3230
.050	.2000	-.0540	-.1230	-.1120	-.1080
.150	.1080	.0810	.0490	.0840	.0550
.300	.0590	.0050	.0150	.0140	.0040
.520	-.0500	-.0410	-.0240	.0290	.0120
.650	-.4380	-.5110	-.4840	-.5030	-.5010
.775	-.3470	-.5310	-.4920	-.5000	-.5120
.900		-.1710	-.4880	-.4870	-.4890

MACH (2) = 1.250 ALPHA (5) = 2.580

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6400	.5440	.3930	.4380	.2730
.050	.1580	-.0480	-.1550	-.1380	-.1330
.150	.1320	.0480	.0180	.0930	.0250
.300	.0190	-.0310	-.0190	-.0140	-.0280
.520	-.0740	-.0700	-.0490	.0020	-.0180
.650	-.4780	-.5250	-.5040	-.5150	-.5150
.775	-.3540	-.5470	-.5080	-.5130	-.5210
.900		-.1830	-.4990	-.4970	-.5010

MACH (2) = 1.248 ALPHA (6) = 4.570

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6080	.5190	.3380	.3850	.2220
.050	.1020	-.1050	-.1780	-.1680	-.1570
.150	.1060	.0220	-.0180	.0040	-.0080
.300	-.0050	-.0620	-.0470	-.0420	-.0560
.520	-.0990	-.0940	-.0750	-.0210	-.0430
.650	-.5110	-.5380	-.5110	-.5260	-.5270
.775	-.3640	-.5570	-.5160	-.5260	-.5310
.900		-.1930	-.5100	-.5050	-.5170

MACH (2) = 1.248 ALPHA (7) = 8.670

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5710	.4890	.2880	.3410	.1820
.050	.0810	-.1330	-.2030	-.1860	-.1760
.150	.0820	-.0080	-.0430	-.0240	-.0360
.300	-.0300	-.0890	-.0730	-.0710	-.0830
.520	-.1160	-.1190	-.0950	-.0470	-.0670
.650	-.5280	-.5440	-.5230	-.5350	-.5360

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (7) = 6.670

Z/BV	.158	.316	.600	.840	.925
X/CV					
.775	-.3800	-.5580	-.5240	-.5330	-.5390
.900		-.2080	-.5170	-.5150	-.5290

MACH (2) = 1.249 ALPHA (8) = 8.660

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5520	.4580	.2590	.3000	.1440
.050	.0130	-.1540	-.2190	-.2020	-.1990
.150	.0530	-.0320	-.0680	-.0500	-.0640
.300	-.0590	-.1150	-.0990	-.0970	-.1090
.520	-.1400	-.1430	-.1180	-.0680	-.0880
.650	-.5390	-.5510	-.5320	-.5420	-.5450
.775	-.3870	-.5610	-.5320	-.5420	-.5490
.900		-.2250	-.5250	-.5240	-.5420

MACH (2) = 1.248 ALPHA (9) = 10.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5480	.4330	.2360	.2720	.1210
.050	-.0130	-.1670	-.2290	-.2150	-.2070
.150	.0350	-.0440	-.0625	-.0680	-.0770
.300	-.0730	-.1310	-.1190	-.1140	-.1280
.520	-.1610	-.1590	-.1370	-.0850	-.1070
.650	-.5510	-.5580	-.5420	-.5510	-.5590
.775	-.3880	-.5660	-.5430	-.5520	-.5610
.900		-.2310	-.5350	-.5350	-.5550

MACH (2) = 1.244 ALPHA (10) = 14.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5550	.3900	.1690	.1780	.0400
.050	-.0480	-.2370	-.2580	-.2450	-.2430
.150	-.0090	-.0850	-.1230	-.1220	-.1380
.300	-.1040	-.1630	-.1670	-.1700	-.1870
.520	-.2040	-.2080	-.1860	-.1480	-.1640
.650	-.5790	-.5770	-.5660	-.5780	-.5770
.775	-.4210	-.5880	-.5630	-.5780	-.5810
.900		-.2640	-.5570	-.5610	-.5720

MACH (3) = 1.398 ALPHA (1) = -4.420

Z/BV	.158	.315	.600	.840	.925
X/CV					
.000	.8590	.7190	.5950	.6380	.4740
.050	.2480	.0810	-.0040	.0080	.0140
.150	.3050	.2240	.1870	.1980	.1930
.300	.1960	.1450	.1490	.1450	.1330
.520	.0920	.0810	.1060	.1340	.1410
.650	-.2740	-.3500	-.3290	-.3320	-.3280
.775	-.2980	-.3750	-.3310	-.3360	-.3450

AMES 11-707 OA12 ORA LEFT VERTICAL (RBPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (5) = 1.398 ALPHA (1) = -4.420

Z/BV	.158	.316	.600	.840	.925
X/CV					
.900		-.1290	-.3290	-.3250	-.3250

MACH (3) = 1.395 ALPHA (2) = -3.420

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.8480	.7080	.5720	.6180	.4510
.050	.2510	.0810	-.0200	-.0040	-.0020
.150	.2850	.2050	.1710	.1800	.1760
.300	.1780	.1270	.1340	.1300	.1170
.520	.0740	.0020	.0080	.1380	.1270
.650	-.2910	-.3600	-.3390	-.3420	-.3360
.775	-.3060	-.3850	-.3380	-.3440	-.3530
.900		-.1300	-.3400	-.3330	-.3370

MACH (3) = 1.388 ALPHA (3) = -1.430

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7500	.6830	.5180	.5580	.3980
.050	.2480	.0320	-.0480	-.0300	-.0220
.150	.2480	.1720	.1380	.1300	.1450
.300	.1470	.0950	.1020	.0970	.0870
.520	.0450	.0320	.0600	.1110	.0950
.650	-.3210	-.3720	-.3500	-.3500	-.3480
.775	-.3170	-.3960	-.3490	-.3550	-.3640
.900		-.1350	-.3480	-.3440	-.3510

MACH (3) = 1.387 ALPHA (4) = .982

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7080	.6290	.4870	.5080	.3800
.050	.2400	-.0080	-.0700	-.0570	-.0480
.150	.2470	.1420	.1080	.1180	.1140
.300	.1190	.0880	.0870	.0880	.0840
.520	.0130	.0010	.0890	.0760	.0680
.650	-.3340	-.3680	-.3630	-.3820	-.3630
.775	-.3130	-.4110	-.3630	-.3680	-.3750
.900		-.1400	-.3800	-.3560	-.3690

MACH (3) = 1.388 ALPHA (5) = 2.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6560	.5940	.4160	.4640	.3070
.050	.2090	-.0240	-.1000	-.0810	-.0750
.150	.1840	.1090	.0770	.0880	.0790
.300	.0840	.0330	.0360	.0340	.0220
.520	-.0180	-.0270	.0000	.0440	.0310
.650	-.3630	-.3990	-.3770	-.3780	-.3780
.775	-.3220	-.4280	-.3800	-.3820	-.3870
.900		-.1510	-.3780	-.3700	-.3840

AMES 11-707 OA12 O2A LEFT VERTICAL (RBPV39)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.397 ALPHA (5) = 4.570

Z/BV	.156	.316	.600	.840	.925
X/CV					
.000	.6240	.5840	.3790	.4250	.2700
.050	.1580	-.0390	-.1150	-.1060	-.0970
.150	.1590	.0850	.0520	.0510	.0510
.300	.0810	.0060	.0100	.0080	-.0040
.520	-.0520	-.0900	-.0250	.0170	.0080
.650	-.3980	-.4080	-.3890	-.3890	-.3890
.775	-.3540	-.4320	-.3910	-.3940	-.3990
.900		-.1640	-.3670	-.3810	-.3980

MACH (3) = 1.399 ALPHA (7) = 6.440

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5950	.5390	.3460	.3830	.2380
.050	.1190	-.0530	-.1270	-.1170	-.1120
.150	.1390	.0650	.0270	.0390	.0290
.300	.0420	-.0160	-.0130	-.0140	-.0270
.520	-.0530	-.0760	-.0450	-.0060	-.0160
.650	-.4120	-.4150	-.3960	-.3960	-.3970
.775	-.3360	-.4320	-.3980	-.4010	-.4060
.900		-.1790	-.3940	-.3880	-.4060

MACH (3) = 1.398 ALPHA (8) = 8.710

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5790	.5030	.3070	.3320	.2010
.050	.0640	-.0840	-.1460	-.1360	-.1290
.150	.1080	.0380	-.0020	.0120	.0060
.300	.0090	-.0440	-.0370	-.0410	-.0520
.520	-.0770	-.0960	-.0730	-.0330	-.0420
.650	-.4230	-.4240	-.4060	-.4070	-.4100
.775	-.3460	-.4370	-.4080	-.4110	-.4180
.900		-.1970	-.4030	-.4040	-.4190

MACH (3) = 1.397 ALPHA (9) = 10.110

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5850	.4750	.2810	.3040	.1790
.050	.0230	-.0980	-.1520	-.1410	-.1340
.150	.0890	.0280	-.0130	-.0050	-.0090
.300	-.0050	-.0580	-.0550	-.0540	-.0700
.520	-.0970	-.1130	-.0890	-.0520	-.0590
.650	-.4360	-.4290	-.4140	-.4140	-.4160
.775	-.3520	-.4410	-.4140	-.4190	-.4240
.900		-.2070	-.4100	-.4080	-.4250

MACH (3) = 1.394 ALPHA (10) = 15.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6270	.4260	.2090	.2150	.0970
.050	-.0040	-.1520	-.1870	-.1720	-.1640
.150	.0400	-.0270	-.0570	-.0310	-.0590
.300	-.0420	-.0890	-.0970	-.1010	-.1220

AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPV39)

SECTION (1):LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.394 ALPHA (10) = 15.000

Z/BV	.158	.316	.800	.840	.925
X/CV					
.520	-.1400	-.1570	-.1350	-.1050	-.1070
.650	-.4680	-.4520	-.4390	-.4400	-.4470
.775	-.3700	-.4630	-.4390	-.4420	-.4470
.900		-.2270	-.4340	-.4340	-.4490

AMES 11-7D7 OA12 OEA LEFT VERTICAL (RBPV40) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .500 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (1) = -8.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3580	.1340	.0000	.0840	.0930
.050	.3210	.3630	.3970	.3980	.3940
.150	.2470	.2970	.2980	.2730	.1980
.300	.2029	.2040	.1990	.1610	.0000
.520	.0790	.0900	-.0330	-.0690	-.1450
.650	-.3270	-.6230	-.6390	-.6830	-.6770
.775	-.3410	-.3240	-.5600	-.6320	-.6590
.900		-.2290	-.5170	-.5740	-.6310

MACH (1) = 1.101 BETA (2) = -4.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4650	.4010	.2720	.3400	.2380
.050	.2410	.1530	.1930	.2240	.2140
.150	.1590	.1220	.1560	.1480	.0940
.300	.0690	.0890	.0870	.0610	-.0460
.520	-.0150	-.0170	-.0770	-.0510	-.1100
.650	-.4620	-.6550	-.6720	-.7050	-.7210
.775	-.3680	-.4640	-.6240	-.6780	-.7080
.900		-.2210	-.5920	-.6370	-.6980

MACH (1) = 1.100 BETA (3) = -1.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.5460	.4750	.3540	.4210	.2900
.050	.1890	-.0160	-.0180	.0920	.1060
.150	.1090	.0440	.0790	.0780	.0380
.300	.0050	-.0150	.0300	.0150	-.0630
.520	-.0910	-.0600	-.1040	-.0580	-.1170
.650	-.5290	-.6740	-.6790	-.7150	-.7150
.775	-.3720	-.5390	-.6470	-.6910	-.7090
.900		-.2230	-.6250	-.6610	-.6840

MACH (1) = 1.099 BETA (4) = .000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.6220	.5010	.3880	.4570	.2870
.050	.1510	-.1590	-.2440	-.2050	-.1760
.150	.0710	-.0120	-.0380	-.0470	-.0190
.300	-.0430	-.0840	-.0960	-.0580	-.0880
.520	-.1390	-.1280	-.1130	-.0850	-.1130
.650	-.5610	-.6920	-.6930	-.7110	-.7060
.775	-.3820	-.5790	-.6730	-.6980	-.7190
.900		-.2220	-.6590	-.6790	-.6610

AMES 11-707 OA12 CEA LEFT VERTICAL (RBPV4D)

SECTION : 1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.089 BETA (5) = 2.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5800	.5120	.4300	.4140	.2050
.050	.0820	-.3500	-.5460	-.5910	-.5970
.150	.0200	-.0870	-.1450	-.2110	-.2440
.300	-.1010	-.1640	-.1550	-.1810	-.1420
.520	-.2050	-.2110	-.1560	-.1250	-.1250
.650	-.5080	-.7280	-.7080	-.6950	-.7080
.775	-.3950	-.5720	-.6990	-.7060	-.7240
.900		-.2300	-.7030	-.6930	-.6550

MACH (1) = 1.100 BETA (6) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4570	.4060	.3900	.3250	.1050
.050	.1280	-.4430	-.6640	-.9150	-.8390
.150	-.1040	-.1710	-.4140	-.6770	-.6730
.300	-.1580	-.2170	-.2080	-.2990	-.4630
.520	-.2840	-.2940	-.2420	-.1620	-.1500
.650	-.6130	-.7620	-.7240	-.7410	-.7080
.775	-.3810	-.5350	-.7380	-.7280	-.7350
.900		-.2330	-.7510	-.7180	-.6860

MACH (1) = 1.080 BETA (7) = 8.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2570	.3850	.2540	.1450	-.1110
.050	-.0350	-.6030	-.7490	-.8940	-1.0040
.150	-.1080	-.3820	-.7020	-.7960	-.9340
.300	-.2690	-.2990	-.6330	-.8680	-.8950
.520	-.3790	-.3980	-.5290	-.8000	-.4670
.650	-.6560	-.8220	-.7750	-.9040	-.8850
.775	-.4200	-.5720	-.7940	-.8820	-.8340
.900		-.2460	-.6430	-.5830	-.5880

MACH (2) = 1.230 BETA (1) = -0.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3910	.2460	.1500	.1970	.2090
.050	.3800	.3980	.4840	.4820	.4520
.150	.2980	.3350	.3810	.3740	.3160
.300	.2340	.2870	.3070	.2830	.1450
.520	.1670	.1790	.1120	.1190	.0280
.650	-.2010	-.4220	-.4340	-.4660	-.4850
.775	-.2830	-.2440	-.3810	-.4330	-.4580
.900		-.1790	-.3350	-.3920	-.4340

MACH (2) = 1.247 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4120	.4880	.3680	.4450	.3350
.050	.3270	.2470	.2470	.2980	.2990
.150	.2460	.2020	.2190	.2420	.2000
.300	.1500	.14	.1790	.1720	.0900

AMES 11-7ft OA12 OBA LEFT VERTICAL (RBPV40)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	.0530	.0650	.0590	.0760	.0370
.650	-.3520	-.4670	-.4670	-.4920	-.4980
.775	-.3220	-.4420	-.4400	-.4770	-.5020
.900		-.1680	-.4190	-.4500	-.4950

MACH (2) = 1.247 BETA (3) = -1.940

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5060	.5520	.4250	.4940	.3510
.050	.2820	.0960	.0620	.1380	.1610
.150	.2090	.1450	.1320	.1530	.1250
.300	.1040	.0680	.0920	.1020	.0410
.520	.0000	.0470	.0090	.0690	.0130
.650	-.4040	-.4900	-.4780	-.5030	-.5110
.775	-.3360	-.4930	-.4680	-.4950	-.5130
.900		-.1690	-.4520	-.4740	-.5020

MACH (2) = 1.248 BETA (4) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6770	.5780	.4460	.4880	.3240
.050	.1970	-.0520	-.1260	-.1130	-.1060
.150	.1630	.0810	.0490	.0610	.0510
.300	.0570	.0060	.0140	.0110	.0000
.520	-.0520	-.0550	-.0280	.0270	.0090
.650	-.4400	-.5160	-.4990	-.5070	-.5070
.775	-.3510	-.5370	-.4970	-.5060	-.5160
.900		-.1760	-.4910	-.4920	-.4920

MACH (2) = 1.243 BETA (5) = 2.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5270	.5890	.4700	.4740	.2875
.050	.1980	-.2135	-.3470	-.4180	-.4280
.150	.1260	.0230	-.0400	-.0730	-.1380
.300	.0140	-.0560	-.0620	-.0740	-.0370
.520	-.0990	-.1170	-.0700	-.0150	-.0200
.650	-.4420	-.5410	-.5160	-.5130	-.5130
.775	-.3680	-.5670	-.5230	-.5170	-.5240
.900		-.1830	-.5290	-.5070	-.4880

MACH (2) = 1.245 BETA (6) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4210	.5690	.4710	.4270	.2180
.050	.1740	-.3190	-.4970	-.5880	-.6080
.150	.0940	-.0570	-.2570	-.4670	-.4670
.300	-.0350	-.0980	-.1320	-.2370	-.2990
.520	-.1460	-.1830	-.1330	-.0470	-.0380

AMES 11-7U7 OA12 OEA LEFT VERTICAL (RBPV40)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (6) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.650	-.4650	-.5820	-.5350	-.5300	-.5130
.775	-.3780	-.5080	-.5510	-.5310	-.5260
.900		-.1620	-.5610	-.5250	-.4960

MACH (2) = 1.547 BETA (7) = 8.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2840	.4180	.3630	.2820	.1280
.050	.0310	-.4450	-.5570	-.7340	-.7880
.150	-.1040	-.3970	-.5030	-.6360	-.6880
.300	-.1240	-.1710	-.4300	-.5710	-.6170
.520	-.2330	-.2800	-.3560	-.3580	-.4130
.650	-.5170	-.6274	-.5014	-.6880	-.6650
.775	-.3880	-.4870	-.5910	-.6414	-.6810
.900		-.1870	-.6[illegible]	-.6330	-.6290

MACH (3) = 1.388 BETA (1) = -8.040

Z/BV	.158	.316	.6[illegible]	.840	.925
X/CV					
.000	.2430	.2910	.2380	.2820	.2810
.050	.4380	.4240	.4980	.5310	.5180
.150	.3250	.3550	.4290		.3910
.300	.2540	.3480	.3810	.3530	.2480
.520	.2080	.2470	.2110	.2240	.1430
.650	-.1510	-.2940	-.2890	-.3160	-.3190
.775	-.2220	-.2130	-.2520	-.2910	-.3180
.900		-.1350	-.2220	-.2860	-.3[illegible]

MACH (3) = 1.388 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4000	.5510	.4270	.5140	.3980
.050	.3780	.3630	.2840	.3220	.3450
.150	.2990	.2540	.2620	.2890	.2670
.300	.2000	.1880	.2220	.2380	.1730
.520	.1160	.1340	.1430	.1620	.1330
.650	-.2880	-.3330	-.3230	-.3360	-.3440
.775	-.2740	-.3360	-.3080	-.3350	-.3590
.900		-.1320	-.2950	-.3160	-.3580

MACH (3) = 1.387 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7190	.6370	.4780	.5220	.3640
.050	.2480	.0120	-.0650	-.0470	-.0320
.150	.2240	.1480	.1170	.1270	.1220
.300	.1250	.0710	.0770	.0740	.0610
.520	.0230	.0230	.0380	.0860	.0720
.650	-.3270	-.3834	-.3600	-.3590	-.3600

AMES 11-7X7 OA12 C2A LEFT VERTICAL (RBPV45)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.397 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.775	-.3140	-.4090	-.3590	-.3650	-.3740
.900		-.1370	-.3570	-.3530	-.3650

MACH (3) = 1.394 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4060	.6310	.4920	.4770	.2660
.050	.2370	-.2220	-.3790	-.4290	-.4330
.150	.1560	.0110	-.2820	-.3090	-.3170
.300	.0390	-.0240	-.0460	-.2220	-.2010
.520	-.0700	-.0940	-.0550	.0100	.0360
.650	-.3380	-.4510	-.4080	-.3920	-.3780
.775	-.3550	-.4150	-.4190	-.3940	-.3880
.900		-.1480	-.4260	-.3890	-.3690

MACH (3) = 1.392 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1650	.4520	.4240	.3290	.1230
.050	.0890	-.3410	-.4340	-.5820	-.5930
.150	.0730	-.3430	-.3750	-.4980	-.5200
.300	-.0460	-.0890	-.3070	-.4370	-.4180
.520	-.1630	-.1660	-.2590	-.3130	-.3040
.650	-.4090	-.4960	-.4610	-.5160	-.5360
.775	-.3890	-.4180	-.4640	-.4830	-.5640
.900		-.1620	-.4720	-.5060	-.5230

AMES 11-FOT OA12 OEA LEFT VERTICAL (RBPV41) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Z/BV / X/CV	.158	316	.600	.840	.925
.000	.1115	-.1950	-.1620	.0810	.1960
.050	.2480	.2450	.2110	.1710	.1430
.150	.1610	.1340	[illegible]	.0390	[illegible]
.300	.0550	.0410	[illegible]	-.1060	-.1140
.520	-.1820	-.3160	-.3940	-.3690	-.3010
.650	-.3710	-.6580	-.7450	-.5850	-.4420
.775	-.2350	-.3210	-.2950	-.2410	-.1740
.900		-.1510	-.1370	-.0810	-.0520

MACH (1) = .598 BETA (2) = .090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4860	.4760	.4280	.4620	.2610
.050	-.0480	-.2350	-.4260	-.5140	-.1690
.150	-.0290	-.0830	-.1690	-.2110	-.1650
.300	-.1000	-.1750	-.2670	-.2540	-.2270
.520	-.2870	-.4220	-.4800	-.3770	-.3160
.650	-.3800	-.6940	-.7370	-.4290	-.4170
.775	-.2230	-.3750	-.3910	-.2980	-.2110
.900		-.1660	-.2140	-.2050	-.1250

MACH (1) = .600 BETA (3) = 5.280

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0430	.0790	.0920	-.0880	-.4150
.050	-.4920	-.6670	-.7560	-.8050	-.8660
.150	-.2300	-.4060	-.6240	-.6860	-.6190
.300	-.2450	-.3600	-.5110	-.5360	-.3430
.520	-.3330	-.4720	-.5930	-.5170	-.4010
.650	-.3080	-.5960	-.6890	-.4910	-.4630
.775	-.2220	-.3640	-.3790	-.2940	-.2540
.900		-.1610	-.2090	-.1860	-.1760

MACH (2) = .800 BETA (1) = -4.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3670	.1360	-.0040	.1340	.1160
.050	.2550	.2370	.2490	.2370	.1720
.150	.1760	.1580	.1450	.1020	.0220
.300	.0870	.0580	.0250	-.0370	-.2240
.520	-.0930	-.1080	-.1950	-.2870	-.3440
.650	-.4240	-1.2310	-.8110	-.3450	-.4720
.775	-.2640	-.5610	-.6590	-.2940	-.3140
.900		-.2060	-.5310	-.2650	-.2090

AMES 11-707 OA12 02A LEFT VERTICAL (RBPV41)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4810	.4410	.4120	.4770	.2730
.050	-.0110	-.2780	-.3490	-.3380	-.2000
.150	-.0680	-.0790	-.1010	-.1370	-.1280
.300	-.1320	-.1480	-.1470	-.1810	-.2630
.520	-.2520	-.2230	-.2720	-.2970	-.3010
.650	-.4330	-1.1170	-.6290	-.3200	-.4850
.775	-.2410	-.5820	-.5630	-.3120	-.3350
.900		-.2170	-.5130	-.2960	-.2690

MACH (2) = .901 BETA (3) = 5.360

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2640	.3410	.2700	.1730	-.1060
.050	-.6180	-.7480	-1.0100	-1.1750	-1.2320
.150	-.2250	-.6520	-.7840	-.9910	-1.1300
.300	-.3420	-.4650	-.6760	-.7440	-.8190
.520	-.4270	-.4610	-.5370	-.4140	-.3150
.650	-.3550	-.6740	-.6060	-.3220	-.3130
.775	-.2570	-.5330	-.5650	-.2990	-.2480
.900		-.2140	-.5340	-.2670	-.2380

AMES 11-7D7 OA12 JEA LEFT VERTICAL (RBPV42) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) = -4.900

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1290	-.1610	-.0700	.2060	.2520
.050	.2380	.2280	.1660	.1340	.0950
.150	.1490	.1190	.0410	.0060	.0110
.300	.0420	-.0270	-.1140	-.1100	-.1080
.520	-.2070	-.3200	-.3800	-.2580	-.2650
.650	-.4170	-1.0430	-.9650	-.4160	-.4330
.775	-.2780	-.4730	-.6280	-.3200	-.2100
.900		-.1670	-.2720	-.2540	-.1540

MACH (1) = .596 BETA (2) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4880	.4820	.4430	.4360	.2190
.050	-.0130	-.2480	-.4970	-.5900	-.2190
.150	-.0350	-.1050	-.2040	-.2220	-.1700
.300	-.1080	-.1960	-.2820	-.2280	-.2130
.520	-.3030	-.4150	-.4130	-.2580	-.2610
.650	-.4180	-1.0570	-.6610	-.2740	-.3640
.775	-.2600	-.5280	-.6020	-.2720	-.2340
.900		-.1910	-.5440	-.2680	-.2180

MACH (1) = .900 BETA (3) = 5.290

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0640	.0320	.0210	-.1740	-.5780
.050	-.5310	-.7090	-.8190	-.8850	-.9240
.150	-.2450	-.4480	-.7070	-.7470	-.7010
.300	-.2740	-.4020	-.5880	-.5990	-.5750
.520	-.3700	-.5450	-.6690	-.4380	-.3470
.650	-.3600	-.8760	-.7640	-.3810	-.3800
.775	-.2690	-.5160	-.6100	-.3110	-.2790
.900		-.1880	-.4940	-.2690	-.2790

MACH (2) = .904 BETA (1) = -4.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3640	.1350	-.0090	.1920	.1550
.050	.2440	.2250	.2610	.2340	.1570
.150	.1670	.1570	.1600	.0990	.0430
.300	.0840	.0540	.0300	-.0260	-.1530
.520	-.0990	-.0930	-.1120	-.2170	-.2750
.650	-.4380	-1.1080	-.5980	-.3960	-.6030
.775	-.2780	-.7160	-.5690	-.3760	-.3700
.900		-.2040	-.5550	-.3460	-.2920

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPV42)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4840	.4470	.4210	.5000	.2870
.050	-.0050	-.2780	-.3560	-.3600	-.2450
.150	-.0570	-.0770	-.0840	-.1280	-.1040
.300	-.1150	-.1500	-.1260	-.1420	-.2300
.520	-.2450	-.2070	-.0940	-.1470	-.2280
.650	-.4530	-.9620	-.5510	-.4760	-.5500
.775	-.2530	-.7990	-.5310	-.4050	-.3610
.900		-.2730	-.5290	-.3920	-.3390

MACH (2) = .901 BETA (3) = 5.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2570	.3420	.2710	.1580	-.1680
.050	-.6050	-.7550	-.9870	-1.1460	-.9190
.150	-.2220	-.6670	-.7700	-1.0700	-.8690
.300	-.3400	-.4590	-.6700	-.8160	-.6680
.520	-.4310	-.4530	-.5640	-.5570	-.5360
.650	-.3770	-.8690	-.6280	-.4750	-.4670
.775	-.2820	-.6580	-.6140	-.4510	-.4390
.900		-.1990	-.6120	-.4210	-.4000

AMES 11-707 OA12 02A LEFT VERTICAL (RBPV43) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0590	-.2770	-.2980	-.1230	.0620
.050	.2260	.2300	.2300	.2390	.1860
.150	.1360	.1190	.1130	.0900	.0630
.300	.0320	-.0100	-.0230	-.0480	-.0710
.520	-.2060	-.2380	-.2910	-.3100	-.2890
.650	-.3920	-.4620	-.4470	-.3960	-.3470
.775	-.2430	-.2470	-.2240	-.1970	-.1540
.900		-.1840	-.1490	-.1020	-.0940

MACH (1) = .589 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4700	.4580	.3970	.4670	.3160
.050	-.0250	-.2440	-.3300	-.3340	-.1300
.150	-.0510	-.0890	-.1330	-.1520	-.1150
.300	-.1160	-.1820	-.2120	-.2070	-.2050
.520	-.2960	-.3350	-.4030	-.3950	-.3690
.650	-.3850	-.4970	-.5480	-.4740	-.4440
.775	-.2090	-.2720	-.2530	-.2110	-.1550
.900		-.1730	-.1390	-.0870	-.0560

MACH (1) = .387 BETA (3) = 5.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0250	.0870	.1350	.0630	-.2580
.050	-.5440	-.6800	-.7500	-.8280	-.7740
.150	-.2520	-.4300	-.5720	-.5830	-.4860
.300	-.2710	-.3700	-.4340	-.4330	-.3480
.520	-.3550	-.4240	-.4740	-.4590	-.4280
.650	-.3330	-.4590	-.5640	-.4940	-.4780
.775	-.2280	-.2870	-.2849	-.2450	-.1900
.900		-.1770	-.1450	-.1080	-.0880

MACH (2) = .887 BETA (1) = -4.980

Z/BV / X/Cv	.158	.316	.600	.840	.925
.000	.3590	.1470	.0180	.1470	.1260
.050	.2230	.2000	.2240	.2170	.1300
.150	.1430	.1220	.1200	.0770	.0480
.300	.0500	.0230	.0050	-.0650	-.2210
.520	-.1320	-.1780	-.2540	-.3130	-.3610
.650	-.4780	-.9300	-1.0080	-1.1180	-.8610
.775	-.2560	-.3970	-.6440	-.6330	-.4440
.900		-.2130	-.3070	-.3980	-.2910

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPV43)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (2) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4740	.4350	.3910	.4020	.2640
.050	-.0140	-.3030	-.3990	-.3770	-.2650
.150	-.0750	-.1000	-.1400	-.1880	-.1440
.300	-.1430	-.1740	-.1810	-.2120	-.2740
.520	-.2780	-.3070	-.3220	-.3370	-.3270
.650	-.4940	-.7100	-1.1110	-1.0740	-.8030
.775	-.2430	-.3980	-.6080	-.4570	-.3740
.900		-.2170	-.2990	-.3420	-.2250

MACH (2) = .903 BETA (3) = 5.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2880	.3420	.2700	.1980	-.0770
.050	-.6100	-.7570	-.9910	-1.3750	-1.3980
.150	-.2320	-.6340	-.7540	-1.1870	-1.2280
.300	-.3520	-.4680	-.6470	-.7210	-1.0770
.520	-.4420	-.4880	-.5390	-.4180	-.3190
.650	-.3750	-.4880	-.7430	-.3140	-.3700
.775	-.2790	-.4120	-.4310	-.2220	-.1900
.900		-.2430	-.3080	-.1530	-.1600

AMES 11-7X7 OA12 OEA LEFT VERTICAL (RBPV44) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -4.910

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0870	-.2430	-.2930	-.1480	.0600
.050	.2810	.2760	.2660	.2690	.2030
.150	.1960	.1710	.1510	.1250	.0920
.300	.0960	.0410	.0180	-.0040	-.0420
.520	-.1260	-.1750	-.2270	-.2610	-.2420
.650	-.3030	-.3840	-.3680	-.3380	-.3010
.775	-.1640	-.1860	-.1680	-.1550	-.1110
.900		-.1370	-.1010	-.0640	-.0550

MACH (1) = .597 BETA (2) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4980	.4810	.3810	.4710	.3280
.050	.0340	-.1660	-.2590	-.2580	-.1820
.150	.0170	-.0260	-.0790	-.1020	-.0770
.300	-.0520	-.1160	-.1520	-.1580	-.1580
.520	-.2210	-.2650	-.3390	-.3330	-.3080
.650	-.3060	-.4150	-.4730	-.4080	-.3730
.775	-.1470	-.2130	-.2010	-.1680	-.1160
.900		-.1260	-.0980	-.0470	-.0210

MACH (1) = .597 BETA (3) = 5.270

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0040	.0940	.1180	.0460	-.2470
.050	-.4360	-.6030	-.6530	-.7070	-.6930
.150	-.1880	-.3520	-.5040	-.5210	-.4370
.300	-.2000	-.3020	-.3650	-.3840	-.2820
.520	-.2830	-.3520	-.4040	-.3950	-.3650
.650	-.2960	-.3830	-.4940	-.4280	-.4090
.775	-.1620	-.2210	-.2350	-.1990	-.1540
.900		-.1260	-.1030	-.0680	-.0480

MACH (2) = .903 BETA (1) = -4.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3430	.0960	-.0720	.1170	.1200
.050	.3010	.2870	.2870	.2510	.1540
.150	.2240	.2050	.1740	.1060	.0320
.300	.1390	.0950	.0480	-.0370	-.2080
.520	-.0550	-.1190	-.2410	-.2970	-.3510
.650	-.3590	-.7330	-1.0640	-1.0990	-.9450
.775	-.2090	-.2930	-.3710	-.4165	-.3710
.900		-.1700	-.2330	-.2260	-.1660

AMES 11-7ft OA12 OA LEFT VERTICAL (RBPV44)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .090

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.5070	.4980	.3940	.464[illegible]	.2680
.050	.0350	-.1910	-.2930	-.3[illegible]30	-.1910
.150	.0100	-.0130	-.0680	-.1380	-.1250
.300	-.0440	-.0910	-.1280	-.1[illegible]40	-.2690
.520	-.1970	-.2230	-.2930	-.3300	-.3180
.650	-.3720	-.6540	-1.1050	-.9930	-.6840
.775	-.1890	-.3460	-.5530	-.4380	-.3580
.900		-.1750	-.2250	-.3230	-.2080

MACH (2) = .904 BETA (3) = 5.340

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2360	.3110	.2270	.1780	-.0080
.050	-.6350	-.7520	-.8170	-.9950	-1.0780
.150	-.2180	-.6470	-.6690	-.7070	-.9830
.300	-.3390	-.4650	-.6990	-.6480	-.8020
.520	-.3230	-.3810	-.4850	-.4030	-.4020
.65[illegible]	-.2950	-.4370	-.9930	-.3430	-.3380
.775	-.2060	-.3470	-.3980	-.2500	-.2190
.900		-.1900	-.2290	-.1480	-.1430

AMES 11-707 OA12 OEA LEFT VERTICAL (RBPV45) (01 MAY 73)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (1) = -4.910

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0770	-.2800	-.2980	-.1480	.0580
.050	.2630	.2640	.2640	.2640	.2050
.150	.1740	.1530	.1370	.1120	.0880
.300	.0710	.0230	.0040	-.0130	-.0510
.520	-.1550	-.1970	-.2400	-.2710	-.2460
.650	-.3370	-.4140	-.3940	-.3480	-.3120
.775	-.1960	-.2130	-.1870	-.1690	-.1270
.900		-.1530	-.1150	-.0710	-.0700

MACH (1) = .597 BETA (2) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4870	.4700	.4060	.4700	.3150
.050	.0070	-.1990	-.3040	-.2940	-.1030
.150	-.0140	-.0520	-.1010	-.1180	-.0920
.300	-.0790	-.1410	-.1740	-.1710	-.1760
.520	-.2540	-.2940	-.3620	-.3540	-.3320
.650	-.3370	-.4540	-.4930	-.4280	-.3940
.775	-.1740	-.2360	-.2190	-.1810	-.1340
.900		-.1450	-.1120	-.0570	-.0340

MACH (1) = .300 BETA (3) = 5.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0100	.0890	.1300	.0490	-.2460
.050	-.4830	-.5630	-.7070	-.7660	-.7350
.150	-.2220	-.3830	-.5420	-.5530	-.4730
.300	-.2410	-.3400	-.4070	-.4080	-.3170
.520	-.3250	-.3900	-.4350	-.4270	-.3920
.650	-.2980	-.4140	-.5260	-.4560	-.4420
.775	-.2000	-.2580	-.2610	-.2220	-.1830
.900		-.1560	-.1270	-.0850	-.0670

MACH (2) = .901 BETA (1) = -5.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3610	.1350	-.0100	.1190	.1100
.050	.2470	.2380	.2490	.2360	.1490
.150	.1730	.1670	.1460	.0980	.0190
.300	.0910	.0560	.0260	-.0450	-.2150
.520	-.0950	-.1480	-.2310	-.2880	-.3440
.650	-.4140	-.8670	-1.0340	-1.0610	-.8640
.775	-.2380	-.3920	-.5270	-.6110	-.4360
.900		-.2060	-.2870	-.3430	-.2750

AMES 11-7ft OA12 OEA LEFT VERTICAL (RBPV45)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .842 BETA (2) = .090

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.4780	.4470	.4080	.4700	.2780
.050	-.0140	-.2820	-.3470	-.3310	-.1930
.150	-.0680	-.0800	-.0930	-.1410	-.1230
.300	-.1220	-.1440	-.1430	-.1940	-.2650
.520	-.2480	-.2550	-.2970	-.3240	-.3090
.650	-.4120	-.6740	-1.0920	-1.0220	-.7190
.775	-.2140	-.3620	-.5710	-.4360	-.3630
.900		-.2040	-.2470	-.3200	-.2170

MACH (2) = .900 BETA (3) = 5.350

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.2600	.3400	.2590	.1770	-.0980
.050	-.6040	-.7480	-.9090	-1.2840	-1.3670
.150	-.2250	-.6570	-.7660	-1.0440	-1.2730
.300	-.3440	-.4670	-.6660	-.7230	-.9760
.520	-.4270	-.4660	-.5470	-.4460	-.2810
.650	-.3360	-.4390	-.6090	-.3150	-.2730
.775	-.2390	-.3700	-.4010	-.2340	-.1440
.900		-.2260	-.2480	-.1540	-.1040

AMES 11-FT OA12 OEA LEFT VERTICAL (RBPV46) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 26.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) =-15.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6140	.6310	.6070	.6690	.5430
.050	.1170	-.1200	-.2960	-.3470	-.0120
.150	.1130	.0410	-.0560	-.0870	-.0590
.300	.0270	-.0720	-.1410	-.1460	-.1410
.520	-.1920	-.2540	-.3650	-.3630	-.3450
.650	-.3280	-.4560	-.5330	-.4660	-.4710
.775	-.1740	-.2140	-.2150	-.1920	-.1500
.900		-.1460	-.0980	-.0520	-.0460

MACH (1) = .599 ALPHA (2) =-10.450

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5510	.5560	.5150	.5750	.4310
.050	.0520	-.1700	-.3190	-.3650	-.0640
.150	.0470	-.0210	-.0960	-.1170	-.0870
.300	-.0340	-.1140	-.1670	-.1610	-.1660
.520	-.2400	-.2840	-.3790	-.3730	-.3450
.650	-.3460	-.4640	-.5260	-.4640	-.4460
.775	-.1780	-.2380	-.2230	-.1950	-.1470
.900		-.1510	-.1130	-.0630	-.0510

MACH (1) = .599 ALPHA (3) = -5.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4970	.4960	.4390	.4960	.3380
.050	-.0050	-.2170	-.3280	-.3340	-.1160
.150	-.0120	-.0590	-.1110	-.1290	-.1020
.300	-.0770	-.1470	-.1780	-.1730	-.1730
.520	-.2560	-.2970	-.3680	-.3620	-.3290
.650	-.3430	-.4520	-.5060	-.4390	-.4060
.775	-.1760	-.2410	-.2290	-.1880	-.1340
.900		-.1400	-.1130	-.0600	-.0320

MACH (1) = .599 ALPHA (4) = .050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4530	.4260	.3560	.4080	.2380
.050	-.0160	-.2680	-.3370	-.3380	-.1390
.150	-.0660	-.0970	-.1360	-.1480	-.1190
.300	-.1180	-.1770	-.1970	-.1870	-.1870
.520	-.2650	-.3110	-.3680	-.3580	-.3240
.650	-.3330	-.4410	-.4960	-.4210	-.3780
.775	-.1690	-.2450	-.2250	-.1850	-.1320
.900		-.1440	-.1190	-.0670	-.0360

AMES 11-7U7 OA12 O2A LEFT VERTICAL (RBPV46)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (1) =-16.390

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7050	.7040	.6580	.7020	.5360
.050	.1920	-.0670	-.2740	-.3230	-.1900
.150	.1960	.1230	.0200	-.0460	-.0250
[illegible]	.1110	.0200	-.0550	-.0970	-.1530
.520	-.0930	-.1440	-.2080	-.2210	-.2220
.650	-.4400	-.9920	-1.0550	-1.0720	-1.0150
.775	-.2430	-.4350	-1.0190	-.5850	-.6290
.900		-.1940	-.4350	-.3570	-.3230

MACH (2) = .901 ALPHA (2) =-10.840

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6180	.6010	.5470	.5940	.4070
.050	.0620	-.1860	-.3440	-.3610	-.1980
.150	.0770	.0250	-.0490	-.1100	-.0830
.300	.0000	-.0640	-.1100	-.1520	-.2210
.520	-.1760	-.2120	-.2630	-.2880	-.2690
.650	-.4830	-.9190	-1.0780	-1.0780	-.9560
.775	-.2330	-.4410	-.9820	-.4820	-.4670
.900		-.2060	-.3990	-.3390	-.2780

MACH (2) = .900 ALPHA (3) = -5.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4900	.4950	.4440	.4950	.2970
.050	.0000	-.2730	-.4000	-.3790	-.2370
.150	-.0360	-.0590	-.0960	-.1450	-.1250
.300	-.0920	-.1340	-.1440	-.1880	-.2630
.520	-.2410	-.2520	-.2900	-.3190	-.3050
.650	-.4280	-.7160	-1.0910	-.9660	-.7760
.775	-.2140	-.3880	-.5710	-.4290	-.3530
.900		-.2440	-.2590	-.3190	-.2090

MACH (2) = .902 ALPHA (4) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3780	.3690	.3570	.4060	.1920
.050	-.1240	-.3990	-.3880	-.3760	-.2720
.150	-.1570	-.1640	-.1250	-.1770	-.1610
.300	-.2020	-.1910	-.1630	-.2230	-.2870
.520	-.2630	-.2660	-.3220	-.3400	-.3340
.650	-.3360	-.5980	-1.0970	-.8150	-.5170
.775	-.2180	-.3360	-.4900	-.4350	-.3240
.900		-.1850	-.2040	-.3420	-.2270

AMES 11-707 OA12 O2A LEFT VERTICAL (RBPV47) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.9130	-1.5320	-1.1470	-.9200	-.5100
.050	.4690	.4580	.4500	.4470	.3520
.150	.3460	.3200	.2950	.2670	.1990
.300	.2120	.1410	.1400	.1070	.0260
.520	-.0650	-.1040	-.1600	-.2030	-.1940
.650	-.3220	-.3690	-.3370	-.3140	-.2920
.775	-.2160	-.2030	-.1870	-.1880	-.1510
.900		-.1690	-.1670	-.1360	-.1370

MACH (1) = .597 BETA (2) = -5.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1470	-.1420	-.2090	-.0660	.1050
.050	.2480	.2450	.2440	.2570	.2040
.150	.1610	.1430	.1240	.1050	.0850
.300	.0620	.0130	-.0010	-.0150	-.0500
.520	-.1650	.2100	-.2590	-.2770	-.2620
.650	-.3550	-.4240	-.4060	-.3640	-.3280
.775	-.1960	-.2160	-.1930	-.1710	-.1270
.900		-.1490	-.1170	-.0730	-.0660

MACH (1) = .597 BETA (3) = 5.000

Z/BV	.158	.316	.600	840	.925
X/CV					
.000	.0000	-.1100	-.1620	-.0720	-.2190
.050	-.4660	-.6500	-.7240	-.8170	-.7470
.150	-.2110	-.3750	-.5380	-.5560	-.4710
.300	-.2310	-.3330	-.4110	-.4130	-.3230
.520	-.3300	-.3990	-.4460	-.4390	-.4030
.650	-.3190	-.4420	-.5470	-.4740	-.4510
.775	-.1880	-.2720	-.2650	-.2200	-.1850
.900		-.1570	-.1250	-.0910	-.0710

MACH (1) = .598 BETA (4) = 10.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-1.3710	-.7510	-.3250	-.4940	-.8570
.050	-.9530	-1.1220	-.8380	-.8490	-1.1310
.150	-.4920	-.9870	-.7[illegible]	-.7790	-1.1710
.300	-.4270	-.7140	-.7110	-.7080	-.9960
.520	-.4070	-.5280	-.6340	-.5330	-.4840
.650	-.2870	-.3990	-.5240	-.4370	-.4250
.775	-.2190	-.2880	-.4170	-.3220	-.3520
.900		-.1770	-.3050	-.2210	-.2780

AMES 11-707 OA12 ORA LEFT VERTICAL (RBPV47)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (1) =-10.440

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.0860	-.4480	-.5140	-.3100	-.0900
.050	.5070	.4820	.4470	.4210	.3110
.150	.3890	.3550	.3020	.2470	.1570
.300	.2760	.1960	.1590	.0880	-.0840
.520	.0370	-.0510	-.1470	-.2520	-.3440
.650	-.3480	-.8320	-.9910	-1.0170	-1.0130
.775	-.2630	-.3020	-.2830	-.5490	-.5300
.900		-.2040	-.3410	-.4160	-.2310

MACH (2) = .904 BETA (2) = -5.270

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.4040	.1990	.0720	.1940	.1730
.050	.2490	.2360	.2480	.2380	.1630
.150	.1790	.1680	.1500	.0970	.0270
.300	.0950	.0630	.0320	-.0400	-.2090
.520	-.0890	-.1420	-.2260	-.2930	-.3360
.650	-.4350	-.8340	-1.0550	-1.0790	-.9120
.775	-.2340	-.3670	-.7010	-.5800	-.4210
.900		-.1950	-.2800	-.3580	-.2710

MACH (2) = .902 BETA (3) = 5.070

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2930	.3700	.3070	.2230	-.0450
.050	-.5700	-.7140	-.9660	-1.2660	-1.3450
.150	-.1950	-.6010	-.7860	-.9670	-1.2440
.300	-.3130	-.4540	-.6470	-.7000	-.9160
.520	-.4100	-.4630	-.5350	-.3990	-.2760
.650	-.3480	-.4900	-.6300	-.3100	-.2790
.775	-.2380	-.3980	-.4170	-.2370	-.1520
.900		-.2220	-.2930	-.1810	-.1250

MACH (2) = .898 BETA (4) = 10.220

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.3300	-.0330	.0330	-.0630	-.3130
.050	-1.0010	-1.0220	-1.0720	-.6890	-.5850
.150	-.3350	-1.0910	-1.0290	-.6980	-.6060
.300	-.4780	-1.0620	-.9420	-.6650	-.5540
.520	-.5460	-.9200	-.7960	-.6250	-.5210
.650	-.3450	-.3750	-.7250	-.5550	-.4560
.775	-.3010	-.3300	-.6810	-.5050	-.4240
.900		-.2140	-.5910	-.4630	-.3970

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 30.8490 INCHES YMRP = .0000 INCHES
BREF = 30.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (1) =-10.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.8980	-1.4080	-1.0650	-.7750	-.3450
.050	.5220	.5090	.5070	.4970	.4120
.150	.3900	.3600	.3380	.3050	.2460
.300	.2510	.1720	.1660	.1300	.0660
.520	-.0380	-.0840	-.1510	-.1910	-.1770
.650	-.3040	-.3620	-.3370	-.3230	-.2830
.775	-.2050	-.1900	-.1710	-.1830	-.1350
.900		-.1650	-.1500	-.1290	-.1280

MACH (1) = .998 BETA (2) = -5.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2020	-.0680	-.1110	.0490	.2470
.050	.3110	.2980	.2810	.2860	.2470
.150	.2170	.1870	.1610	.1420	.1170
.300	.1110	.0520	.0230	.0080	-.0140
.520	-.1350	-.1860	-.2450	-.2670	-.2490
.650	-.3310	-.4210	-.3920	-.3740	-.3330
.775	-.1840	-.2000	-.1770	-.1620	-.1140
.900		-.1460	-.1050	-.0610	-.0540

MACH (1) = .997 BETA (3) = 5.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0040	.1660	.2670	.1820	-.1190
.050	-.4280	-.5970	-.7460	-.9650	-.7830
.150	-.1610	-.3640	-.5250	-.5580	-.4360
.300	-.1690	-.3140	-.4150	-.3970	-.3550
.520	-.3300	-.3940	-.4570	-.4360	-.4110
.650	-.3460	-.4630	-.5570	-.4830	-.5020
.775	-.1730	-.2580	-.2530	-.2130	-.1940
.900		-.1500	-.1120	-.0710	-.0800

MACH (1) = .999 BETA (4) = 10.120

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-1.4130	-.6430	-.1970	-.3520	-.7950
.050	-.9680	-1.0500	-.8250	-.8600	-1.3180
.150	-.4700	-.9180	-.7710	-.7720	-1.3320
.300	-.3750	-.6840	-.6540	-.6260	-1.0650
.520	-.4010	-.5030	-.5390	-.4700	-.5880
.650	-.2970	-.4110	-.4700	-.4110	-.5000
.775	-.2200	-.2960	-.3810	-.3100	-.3880
.900		-.1780	-.2830	-.2090	-.3350

AMES 11-707 OA12 OA LEFT VERTICAL (RBPV48)

SECTION (1)LEFT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.460

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1210	-.3900	-.3680	-.1470	.0570
.050	.5960	.5580	.5160	.4800	.3740
.150	.4680	.4190	.3610	.3000	.2150
.300	.3370	.2500	.2060	.1230	-.0270
.520	.0820	-.0130	-.1070	-.2220	-.3130
.650	-.3170	-.8610	-.9810	-1.0100	-.9870
.775	-.2590	-.2980	-.3170	-.9150	-.9000
.900		-.2020	-.3400	-.4340	-.2930

MACH (2) = .898 BETA (2) = -5.270

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4320	.2550	.1700	.3220	.3080
.050	.3540	.3280	.3050	.2760	.1980
.150	.2690	.2400	.1950	.1380	.0790
.300	.1760	.1200	.0740	-.0020	-.1360
.520	-.0400	-.1050	-.1810	-.2700	-.3060
.650	-.4440	-.9950	-1.0450	-1.0550	-.8080
.775	-.2550	-.3740	-.9370	-.6820	-.4700
.900		-.2170	-.3550	-.4830	-.3010

MACH (2) = .901 BETA (3) = 5.110

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3050	.4280	.4140	.3550	.0980
.050	-.5280	-.6230	-.9050	-1.3410	-1.3480
.150	-.1020	-.4480	-.6680	-1.1380	-1.1810
.300	-.2240	-.4180	-.5570	-.7240	-1.0350
.520	-.3480	-.4320	-.5230	-.3560	-.2960
.650	-.3760	-.5560	-.8300	-.4640	-.6460
.775	-.2390	-.4620	-.4090	-.3130	-.2590
.900		-.2360	-.2630	-.2420	-.2140

MACH (2) = .900 BETA (4) = 10.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4200	.0080	.1450	.0660	-.1830
.050	-1.0440	-.9120	-1.0910	-.6960	-.6140
.150	-.2130	-.9650	-1.0510	-.6920	-.6160
.300	-.3850	-1.0550	-1.0040	-.6770	-.5730
.520	-.4690	-.9780	-.8680	-.6280	-.5240
.650	-.3520	-.4520	-.7480	-.5630	-.4420
.775	-.2830	-.4090	-.7080	-.5050	-.4080
.900		-.2350	-.6100	-.4580	-.3890

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRu1) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) = -4.410

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4970	.4750	.4180	.4820	.3390
.050	-.0330	-.1780	-.2000	-.2810	-.2120
.150	-.0540	-.0730	-.1160	-.1490	-.1350
.300	-.0610	-.1200	-.1710	-.1920	-.1610
.520	-.1990	-.3200	-.3830	-.3500	-.3260
.650	-.2660	-.4140	-.4880	-.4250	-.4680
.775	-.1690	-.2180	-.2140	-.2090	-.1270
.900		-.1540	-.0970	-.0510	-.0310

MACH (1) = .599 ALPHA (2) = .030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4590	.4190	.3510	.4080	.2540
.050	-.0850	-.2180	-.2130	-.2480	-.2320
.150	-.0950	-.1040	-.1350	-.1540	-.1440
.300	-.0950	-.1420	-.1840	-.2010	-.1710
.520	-.2170	-.3310	-.3750	-.3450	-.3190
.650	-.2550	-.4100	-.4760	-.4070	-.4420
.775	-.1950	-.2270	-.2150	-.1980	-.1220
.900		-.1680	-.1050	-.0570	-.0270

MACH (1) = .600 ALPHA (3) = 5.030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3700	.3680	.2780	.3290	.1740
.050	-.1290	-.2170	-.2300	-.2280	-.2330
.150	-.1290	-.1240	-.1410	-.1560	-.1520
.300	-.1210	-.1580	-.1890	-.2020	-.1720
.520	-.2180	-.3260	-.3660	-.3300	-.3050
.650	-.2510	-.4080	-.4590	-.3840	-.4060
.775	-.1900	-.2280	-.2160	-.1860	-.1120
.900		-.1800	-.1160	-.0540	-.0270

MACH (1) = .600 ALPHA (4) = 10.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3350	.3290	.2220	.2720	.1040
.050	-.1540	-.1660	-.2590	-.2470	-.2200
.150	-.1550	-.1420	-.1430	-.1510	-.1530
.300	-.1420	-.1680	-.1890	-.1970	-.1660
.520	-.2310	-.3280	-.3620	-.3130	-.2760
.650	-.2470	-.3970	-.4390	-.3570	-.3640
.775	-.1920	-.2310	-.2120	-.1730	-.1020
.900		-.1870	-.1150	-.0540	-.0170

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPRU1)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHA (5) = 15.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3270	.2870	.1710	.2160	.0510
.050	-.2010	-.1970	-.2970	-.2620	-.2240
.150	-.2030	-.1760	-.1660	-.1720	-.1590
.300	-.1790	-.1990	-.2080	-.2000	-.1750
.520	-.2770	-.3650	-.3680	-.3050	-.2690
.650	-.2930	-.4500	-.4460	-.3460	-.3420
.775	-.2450	-.2670	-.2270	-.1680	-.0970
.900		-.2170	-.1270	-.0550	-.0210

MACH (1) = .589 ALPHA (6) = 20.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3850	.2870	.1360	.1790	.0070
.050	-.2560	-.2180	-.3060	-.2490	-.2200
.150	-.2550	-.1980	-.1800	-.1680	-.1620
.300	-.2220	-.2190	-.2200	-.1970	-.1680
.520	-.3210	-.4090	-.3820	-.2950	-.2590
.650	-.3460	-.5160	-.4660	-.3400	-.3310
.775	-.2790	-.3100	-.2400	-.1660	-.0970
.900		-.2370	-.1350	-.0530	-.0200

MACH (1) = .597 ALPHA (7) = 22.580

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4440	.3180	.1180	.1610	-.0040
.050	-.2720	-.2300	-.3110	-.2540	-.2240
.150	-.2690	-.2010	-.1850	-.1780	-.1740
.300	-.2440	-.2280	-.2360	-.2120	-.1790
.520	-.3620	-.4360	-.4000	-.3030	-.2620
.650	-.3930	-.5720	-.4790	-.3390	-.3260
.775	-.3190	-.3490	-.2490	-.1700	-.0960
.900		-.2680	-.1480	-.0650	-.0200

MACH (2) = .805 ALPHA (1) = -4.580

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4900	.4540	.4240	.4870	.2920
.050	-.0680	-.3550	-.2860	-.3590	-.3600
.150	-.1220	-.0990	-.1030	-.1490	-.1660
.300	-.0960	-.1210	-.1430	-.2040	-.1990
.520	-.1870	-.3000	-.3050	-.2960	-.3110
.650	-.3090	-.6080	-1.1370	-.3870	-.5640
.775	-.2340	-.3190	-.5160	-.2910	-.2170
.900		-.2930	-.3030	-.2340	-.1610

MACH (2) = .801 ALPHA (2) = -.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4010	.3050	.3430	.4090	.2020
.050	-.1610	-.4440	-.3010	-.3130	-.3490
.150	-.2360	-.1630	-.1300	-.1730	-.1950
.300	-.1860	-.1590	-.1650	-.2360	-.2310

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPRD1)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHA (2) = -.010

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2140	-.3110	-.3350	-.3260	-.3410
.650	-.2720	-.5000	-1.1430	-.3960	-.4390
.775	-.2310	-.3050	-.4950	-.2910	-.2030
.900		-.2710	-.2080	-.2370	-.1300

MACH (2) = .904 ALPHA (3) = 4.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2690	.2440	.2690	.3300	.1060
.050	-.2290	-.4920	-.2780	-.2840	-.3330
.150	-.3180	-.1960	-.1260	-.1770	-.2170
.300	-.2490	-.1580	-.1640	-.2500	-.2540
.520	-.2100	-.2890	-.3470	-.3540	-.3630
.650	-.2280	-.4480	-1.0940	-.3860	-.3190
.775	-.1980	-.2700	-.4140	-.2860	-.1920
.900		-.2440	-.1520	-.2220	-.1100

MACH (2) = .906 ALPHA (4) = 9.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2600	.2050	.2090	.2420	.0240
.050	-.2690	-.4160	-.3060	-.3020	-.3360
.150	-.3370	-.2270	-.1600	-.2100	-.2340
.300	-.2520	-.2170	-.1910	-.2620	-.2670
.520	-.2490	-.3070	-.3580	-.3650	-.3780
.650	-.2220	-.4100	-.9600	-.4040	-.3030
.775	-.1990	-.2720	-.3880	-.2910	-.1690
.900		-.2620	-.1680	-.2200	-.0870

MACH (2) = .901 ALPHA (5) = 14.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3490	.1490	.0280	.2050	-.0250
.050	-.3740	-.6710	-.4600	-.2840	-.3230
.150	-.4220	-.4050	-.1940	-.2010	-.2430
.300	-.4310	-.3490	-.1850	-.2690	-.2840
.520	-.3500	-.3550	-.3620	-.3830	-.4000
.650	-.2550	-.3720	-.8990	-.4440	-.3140
.775	-.2440	-.3240	-.3840	-.3100	-.1760
.900		-.3310	-.2050	-.2240	-.0790

MACH (2) = .900 ALPHA (6) = 20.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4400	.2050	.0280	.1640	-.0770
.050	-.5170	-.9050	-.4300	-.2560	-.3210
.150	-.4810	-.5520	-.1310	-.2120	-.2790
.300	-.5550	-.4620	-.1550	-.2920	-.3240
.520	-.4500	-.4030	-.3570	-.4250	-.4490

AMES 11-7D7 OA12 OEA RIGHT VERTICAL (RBPRD1)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHA (6) = 20.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.650	-.3610	-.4870	-1.1100	-.4770	-.3200
.775	-.3300	-.3890	-.5210	-.3920	-.2400
.900		-.3750	-.2880	-.3080	-.1390

MACH (2) = .902 ALPHA (7) = 25.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4300	.3440	-.0320	-.0570	-.2450
.050	-.4700	-.7400	-.4230	-.3700	-.4410
.150	-.4170	-.3030	-.2970	-.3270	-.3840
.300	-.3000	-.3260	-.3220	-.3760	-.4050
.520	-.3680	-.4730	-.4470	-.5110	-.5330
.650	-.6630	-1.1640	-1.1570	-.6400	-.4770
.775	-.4960	-.7030	-.9640	-.5190	-.3880
.900		-.5870	-.4920	-.4340	-.3050

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRU2) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .998 BETA (1) =-10.010

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7410	-1.6990	-1.2040	-1.0570	-.6960
.050	-.7610	-1.2000	-.8640	-.8300	-1.1780
.150	-.5270	-1.3370	-.7980	-.7770	-1.2160
.300	-.4460	-.4600	-.6800	-.7140	-.6460
.520	-.4240	-.3490	-.5450	-.5630	-.3850
.650	-.3450	-.3210	-.4680	-.4260	-.4190
.775	-.2650	-.2410	-.3620	-.3650	-.3180
.900		-.2440	-.2510	-.2330	-.2530

MACH (1) = .998 BETA (2) = -4.960

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0910	-.2890	-.3570	-.2340	-.089
.050	-.4250	-.8160	-.6690	-.6590	-.812
.150	-.2830	-.4040	-.5420	-.5470	-.497
.300	-.2500	-.2940	-.4240	-.4220	-.324
.520	-.2850	-.3480	-.4450	-.4010	-.353
.650	-.219	-.3360	-.4770	-.3980	-.432
.775	-.2430	-.2250	-.2480	-.2570	-.1570
.900		-.2010	-.1190	-.0900	-.0700

MACH (1) = .998 BETA (3) = 5.230

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0130	.0380	.0550	-.0220	-.3400
.050	.1860	.2090	.2250	.2180	.1590
.150	.1140	.1170	.1140	.0890	.0400
.300	.0600	.0180	-.0070	-.0430	-.0560
.520	-.1300	-.2360	-.2810	-.2670	-.2370
.650	-.2780	-.3790	-.3830	-.3470	-.3740
.775	-.1740	-.2180	-.1780	-.1310	-.1040
.900		-.1700	-.1030	-.0620	-.0520

MACH (1) = .998 BETA (4) = 10.370

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-1.0270	-.8630	-.4260	-.6330	-.8810
.050	.3440	.4020	.4010	.3820	.2860
.150	.2620	.2800	.2640	.2300	.139
.300	.1840	.1420	.1200	.0680	.017
.520	-.0430	-.1490	-.1930	-.2030	-.1800
.650	-.2570	-.3300	-.3060	-.3080	-.3090
.775	-.2150	-.2080	-.1710	-.1360	-.1330
.900		-.1990	-.1460	-.1360	-.1460

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR02)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0770	-.5110	-.6580	-.4540	-.2270
.050	-.4910	-1.1640	-1.1370	-.6210	-.5180
.150	-.4500	-1.2520	-1.0960	-.6160	-.5080
.300	-.5410	-.6510	-1.0970	-.5770	-.4820
.520	-.5150	-.3960	-.8830	-.5500	-.4680
.650	-.3270	-.3330	-.7790	-.5050	-.4460
.775	-.3330	-.3160	-.6640	-.4900	-.4260
.900		-.2910	-.5510	-.4720	-.4180

MACH (2) = .901 BETA (2) = -5.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3180	.0910	-.0820	.0260	.0080
.050	-.3660	-.9950	-.9870	-1.1180	-1.1660
.150	-.3230	-.7210	-.8310	-.6970	-1.0140
.300	-.4010	-.4360	-.7090	-.6020	-.7070
.520	-.3780	-.3720	-.4990	-.4510	-.3510
.650	-.2370	-.3220	-.5760	-.3710	-.4030
.775	-.2500	-.2930	-.3420	-.2570	-.1550
.900		-.2650	-.2040	-.1530	-.1000

MACH (2) = .903 BETA (3) = 5.290

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2610	.2800	.1680	.0830	-.1950
.050	.1110	.1550	.2060	.1970	.1020
.150	.0710	.1050	.1130	.0690	-.0360
.300	.0520	.0350	.0060	-.0770	-.1590
.520	-.0900	-.2040	-.2850	-.3160	-.3450
.650	-.3360	-.6470	-1.0910	-1.1080	-1.0560
.775	-.2170	-.2980	-.3960	-.5550	-.3560
.900		-.2860	-.2300	-.3630	-.1970

MACH (2) = .905 BETA (4) = 10.900

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1960	-.1030	-.0890	-.2190	-.4550
.050	.3190	.4020	.3920	.3470	.2330
.150	.2680	.2940	.2610	.2040	.0760
.300	.2250	.1840	.1220	.0280	-.0740
.520	.0240	-.1080	-.2530	-.2640	-.2890
.650	-.2640	-.4850	-.9640	-1.0360	-1.0270
.775	-.2550	-.2570	-.2980	-.4730	-.3840
.900		-.2680	-.2760	-.4190	-.3110

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRU3) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) =-10.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.6700	-1.7830	-1.2550	-1.1860	-.8320
.050	-.6910	-1.2870	-.8930	-.8490	-1.1180
.150	-.5470	-1.1130	-.8180	-.8330	-1.1370
.300	-.4430	-.4090	-.7060	-.8520	-.5890
.520	-.3960	-.3760	-.5940	-.5960	-.4610
.650	-.2720	-.3600	-.4960	-.4290	-.4160
.775	-.3190	-.2830	-.3700	-.3570	-.3280
.900		-.2450	-.2560	-.2290	-.2460

MACH (1) = .599 BETA (2) = -4.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0680	-.3410	-.4220	-.3090	-.1690
.050	-.3670	-.8060	-.6480	-.6570	-.7990
.150	-.3070	-.3950	-.5570	-.5610	-.5190
.300	-.2740	-.2890	-.4390	-.4270	-.3320
.520	-.3030	-.3410	-.4260	-.3750	-.3250
.650	-.2200	-.3380	-.4580	-.3660	-.3840
.775	-.2400	-.2350	-.2450	-.2420	-.1450
.900		-.2220	-.1280	-.0970	-.0680

MACH (1) = .598 BETA (3) = 5.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0170	-.0300	-.0440	-.1330	-.4560
.050	.1110	.1710	.1980	.1860	.1170
.150	.0600	.0850	.0900	.0710	.0140
.300	.0210	-.0060	-.0200	-.0530	-.0770
.520	-.1380	-.2430	-.2700	-.2530	-.2260
.650	-.2590	-.3750	-.3730	-.3290	-.3310
.775	-.1670	-.2230	-.1870	-.1310	-.1150
.900		-.1950	-.1140	-.0720	-.0630

MACH (1) = .598 BETA (4) = 10.300

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7610	-.9920	-.5480	-.7640	-.9100
.050	.2430	.3470	.3620	.3470	.2390
.150	.1930	.2410	.2310	.2060	.1040
.300	.1480	.1230	.1070	.0600	-.0080
.520	-.0570	-.1480	-.1860	-.1770	-.1650
.650	-.2440	-.3170	-.2820	-.2700	-.2770
.775	-.2060	-.2010	-.1530	-.1290	-.1280
.900		-.1790	-.1280	-.1240	-.1320

AMES 11-7ft OA12 OEA RIGHT VERTICAL (RBPRU3)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0360	-.5630	-.8030	-.5460	-.3560
.050	-.5340	-1.1930	-1.1530	-.5500	-.5070
.150	-.4890	-1.2610	-1.0970	-.5640	-.5000
.300	-.5660	-.5620	-1.1210	-.5660	-.4910
.520	-.4730	-.3460	-.9370	-.5550	-.4860
.650	-.2910	-.3090	-.6960	-.5240	-.4690
.775	-.3220	-.3170	-.4740	-.5060	-.4410
.900		-.3140	-.3870	-.4960	-.4120

MACH (2) = .900 BETA (2) = -5.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1570	-.0020	-.2070	-.0860	-.0960
.050	-.3070	-.9980	-.9790	-.7400	-1.0990
.150	-.3560	-.5650	-.7720	-.6430	-.9430
.300	-.4400	-.4660	-.7130	-.6410	-.6360
.520	-.3710	-.3150	-.3950	-.4850	-.3550
.650	-.2410	-.2740	-.5940	-.3870	-.3660
.775	-.2320	-.2690	-.3100	-.2560	-.1380
.900		-.2580	-.1680	-.1690	-.0760

MACH (2) = .901 BETA (3) = 5.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1020	.1920	.0560	-.0120	-.3130
.050	-.0400	.0840	.1730	.1750	.0750
.150	-.0250	.0670	.0820	.0580	-.0660
.300	-.0020	.0070	-.0170	-.0920	-.1960
.520	-.1150	-.2050	-.2750	-.3410	-.3410
.650	-.2820	-.4890	-1.0470	-.9950	-.9180
.775	-.1930	-.2610	-.3630	-.4240	-.2890
.900		-.2680	-.2310	-.2060	-.1190

MACH (2) = .904 BETA (4) = 10.430.

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1140	-.1800	-.2100	-.3240	-.5370
.050	.2160	.3400	.3430	.3060	.1850
.150	.1920	.2510	.2250	.1730	.0350
.300	.1730	.1510	.0990	.0070	-.1010
.520	.0000	-.1230	-.2510	-.2830	-.3130
.650	-.2580	-.4530	-.8080	-.8800	-.9160
.775	-.2520	-.2420	-.2790	-.4190	-.3010
.900		-.2840	-.2760	-.3730	-.3080

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR'd) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.110

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.5920	-1.9280	-1.3170	-1.0250	-.8060
.050	-.6480	-1.3790	-1.0140	-.7960	-.7970
.150	-.5560	-.7650	-.9930	-.7430	-.7140
.300	-.4530	-.4410	-1.1280	-.7660	-.5270
.520	-.3800	-.4040	-.5950	-.5670	-.4280
.650	-.2580	-.3810	-.4500	-.4350	-.3630
.775	-.3040	-.3210	-.3010	-.3820	-.3110
.900		-.2790	-.1760	-.3270	-.2640

MACH (1) = .598 BETA (2) = -5.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1360	-.4200	-.5700	-.4620	-.3210
.050	-.3300	-.8410	-.6500	-.6380	-.8220
.150	-.3140	-.3720	-.5860	-.5830	-.6200
.300	-.2760	-.3050	-.5080	-.4860	-.3100
.520	-.2810	-.3430	-.3950	-.3580	-.2900
.650	-.2000	-.3390	-.4250	-.3410	-.3180
.775	-.2080	-.2520	-.2240	-.2180	-.1680
.900		-.2440	-.1200	-.0860	-.0790

MACH (1) = .598 BETA (3) = 5.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0960	-.1250	-.1550	-.2580	-.5660
.050	.0200	.1420	.1800	.1700	.0990
.150	.0020	.0660	.0780	.0600	-.0070
.300	-.0170	-.0140	-.0280	-.0520	-.0860
.520	-.1530	-.2380	-.2580	-.2350	-.2190
.650	-.2630	-.3670	-.3500	-.3010	-.3010
.775	-.1620	-.2260	-.1790	-.1300	-.1040
.900		-.2040	-.1130	-.0720	-.0560

MACH (1) = .597 BETA (4) = 10.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.4390	-1.0810	-.6450	-.8500	-.9410
.050	.1610	.3110	.3180	.3110	.1980
.150	.1410	.2160	.2160	.1910	.0850
.300	.1190	.1030	.0970	.0550	-.0060
.520	-.0590	-.1450	-.1630	-.1610	-.1550
.650	-.2420	-.3020	-.2540	-.2400	-.2500
.775	-.2060	-.1930	-.1400	-.1270	-.1240
.900		-.1810	-.1100	-.1130	-.1160

AMES 11-FT OA12 O2A RIGHT VERTICAL (RBPRU4)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1140	-.5570	-.9180	-.7070	-.4620
.050	-.5400	-1.1540	-1.0920	-.5960	-.4750
.150	-.4340	-.9910	-1.0930	-.5840	-.4810
.300	-.5310	-.5970	-1.1980	-.5780	-.4800
.520	-.4470	-.3850	-.9640	-.5740	-.4800
.650	-.2860	-.3190	-.2690	-.5480	-.4580
.775	-.3010	-.3260	-.2120	-.5280	-.4570
.900		-.3420	-.2080	-.4890	-.4250

MACH (2) = .900 BETA (2) = -5.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1090	-.0400	-.3090	-.2100	-.2190
.050	-.2690	-.9190	-.7930	-.7340	-1.0220
.150	-.3290	-.4650	-.6690	-.6650	-.9750
.300	-.4000	-.4190	-.6580	-.7320	-.5820
.520	-.3380	-.3510	-.4010	-.5580	-.3140
.650	-.2260	-.3010	-.4380	-.3900	-.3140
.775	-.2240	-.2990	-.2950	-.2040	-.1190
.900		-.2660	-.1880	-.1020	-.0550

MACH (2) = .902 BETA (3) = 5.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0830	.1260	-.0640	-.1410	-.4290
.050	-.1720	.0360	.1280	.1390	.0380
.150	-.1320	.0200	.0470	.0200	-.1100
.300	-.0630	-.0270	-.0500	-.1200	-.2250
.520	-.1420	-.2150	-.2980	-.3630	-.3560
.650	-.2830	-.4930	-.8260	-.6380	-.5350
.775	-.1930	-.2830	-.3480	-.4190	-.2130
.900		-.2710	-.2370	-.1350	-.0810

MACH (2) = .901 BETA (4) = 10.390

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0150	-.2180	-.3310	-.4570	-.5950
.050	.0890	.2690	.2780	.2700	.1480
.150	.1100	.1960	.1800	.1410	.0090
.300	.1080	.1090	.0660	-.0110	-.1190
.520	-.0390	-.1340	-.2330	-.2780	-.3070
.650	-.2710	-.4340	-.5090	-.5630	-.6370
.775	-.2450	-.2400	-.2670	-.3430	-.2810
.900		-.2760	-.2540	-.3090	-.2630

AMES 11-7ft OA12 O2A RIGHT VERTICAL (RBPRDS) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3220	-1.8250	-1.3920	-.9570	-.7460
.050	-.5720	-1.3950	-1.1710	-.7490	-.6230
.150	-.5350	-.6230	-1.2570	-.7460	-.5920
.300	-.4620	-.4870	-1.3530	-.7420	-.5110
.520	-.3880	-.4420	-.3680	-.6850	-.4700
.650	-.2700	-.4090	-.3500	-.5350	-.3990
.775	-.2770	-.3660	-.2110	-.5020	-.3960
.900		-.3140	-.1300	-.4020	-.3710

MACH (1) = .598 BETA (2) = -5.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2270	-.3890	-.6620	-.5610	-.4550
.050	-.2830	-.8760	-.6800	-.6430	-.8690
.150	-.3080	-.3810	-.6570	-.6160	-.7170
.300	-.2870	-.3440	-.4910	-.4980	-.2780
.520	-.3150	-.4020	-.4030	-.3310	-.2780
.650	-.2580	-.4190	-.4270	-.3270	-.3000
.775	-.2380	-.2980	-.2250	-.2010	-.1660
.900		-.2810	-.1200	-.0770	-.0770

MACH (1) = .596 BETA (3) = 5.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2410	-.1480	-.2550	-.3760	-.6930
.050	-.1220	.0920	.1520	.1620	.0770
.150	-.1040	.0300	.0540	.0470	-.0270
.300	-.0690	-.0460	-.0390	-.0600	-.0980
.520	-.2180	-.2610	-.2610	-.2270	-.2010
.650	-.3070	-.4090	-.3460	-.2880	-.2860
.775	-.2040	-.2610	-.1820	-.1290	-.1100
.900		-.2210	-.1170	-.0710	-.0620

MACH (1) = .600 BETA (4) = 10.290

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2590	-1.1490	-.8110	-.9070	-.8840
.050	.0820	.2520	.2820	.2750	.1580
.150	.0750	.1760	.1990	.1750	.0520
.300	.0640	.0830	.0810	.0420	-.0320
.520	-.0900	-.1730	-.1640	-.1620	-.1450
.650	-.2670	-.3250	-.2440	-.2530	-.2360
.775	-.2420	-.2170	-.1450	-.1250	-.1430
.900		-.2110	-.1190	-.1520	-.1590

AMES 11-707 OA12 ORA RIGHT VERTICAL (RBPRU5)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .904 BETA (1) =-10.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1000	-.4790	-1.0150	-.9450	-.5600
.050	-.4470	-1.1250	-1.0800	-.8150	-.5270
.150	-.4720	-.6200	-1.1260	-.7760	-.4940
.300	-.5330	-.5830	-1.2370	-.6990	-.4960
.520	-.4500	-.4670	-.5180	-.7090	-.4950
.650	-.3000	-.3760	-.3330	-.5810	-.4800
.775	-.3260	-.3810	-.2630	-.5150	-.5070
.900		-.3990	-.2330	-.4490	-.4590

MACH (2) = .902 BETA (2) = -5.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1040	-.0810	-.3570	-.3630	-.3370
.050	-.2050	-.6670	-.8980	-.7530	-.8320
.150	-.2950	-.5210	-.7940	-.6580	-.8400
.300	-.4240	-.5250	-.6440	-.7400	-.5130
.520	-.4230	-.4300	-.3430	-.4950	-.3480
.650	-.2870	-.3490	-.4040	-.3610	-.2800
.775	-.2810	-.3570	-.2840	-.1760	-.1510
.900		-.3340	-.2060	-.0830	-.0680

MACH (2) = .904 BETA (3) = 5.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0200	.0330	-.1390	-.2580	-.5510
.050	-.4580	-.1530	.0700	.1000	.0120
.150	-.3730	-.1240	.0020	-.0090	-.1320
.300	-.2520	-.1430	-.0800	-.1330	-.2460
.520	-.2600	-.2520	-.3080	-.3750	-.3720
.650	-.2870	-.4950	-.9020	-.5740	-.4020
.775	-.2350	-.2880	-.3740	-.3690	-.2140
.900		-.2880	-.2660	-.1190	-.0890

MACH (2) = .904 BETA (4) = 10.390

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0130	-.2010	-.4240	-.6190	-.6390
.050	-.2360	.1280	.2230	.2070	.1050
.150	-.1480	.1030	[illegible]	.1060	-.0220
.300	-.0470	.0410	.0160	-.0320	-.1340
.520	-.1280	-.1600	-.2660	-.2770	-.2940
.650	-.3030	-.4990	-.4730	-.4110	-.5180
.775	-.2740	-.2710	-.2730	-.3070	-.2530
.900		-.2940	-.2710	-.2560	-.2460

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.030

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0220	-1.6340	-1.4320	-.7760	-.6270
.050	-.4690	-1.3080	-1.3410	-.6930	-.4570
.150	-.4980	-.6280	-1.5980	-.7030	-.4860
.300	-.4590	-.5450	-1.2830	-.7530	-.5090
.520	-.4320	-.5210	-.2940	-.6650	-.5380
.650	-.3140	-.4670	-.3430	-.5740	-.4780
.775	-.3150	-.3990	-.2000	-.4940	-.4500
.900		-.3800	-.1420	-.3900	-.4010

MACH (1) = .597 BETA (2) = -4.970

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2250	-.3440	-.7790	-.7180	-.5740
.050	-.2700	-.8370	-.7480	-.6980	-.9260
.150	-.3110	-.4080	-.7630	-.6920	-.8330
.300	-.3020	-.3800	-.4860	-.5600	-.2820
.520	-.3740	-.4540	-.436[illegible]	-.3340	-.3090
.650	-.3230	-.4910	-.4740	-.3360	-.3240
.775	-.3030	-.3460	-.2440	-.2070	-.1810
.900		-.3010	-.1340	-.0830	-.0680

MACH (1) = .597 BETA (3) = 5.210

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2690	-.1300	-.3700	-.5090	-.7990
.050	-.2780	.0640	.1410	.1450	.0660
.150	-.2110	.0050	.0480	.0450	-.0310
.300	-.1820	-.0590	-.0460	-.0640	-.0950
.520	-.3070	-.2800	-.2700	-.2170	-.1890
.650	-.3750	-.4420	-.3400	-.2710	-.2600
.775	-.2680	-.2860	-.1870	-.1260	-.1150
.900		-.2450	-.1300	-.0730	-.0690

MACH (1) = .599 BETA (4) = 10.360

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0180	-1.1030	-1.0020	-1.0280	-.8130
.050	-.0930	.1800	.2420	.2390	.1320
.150	-.0360	.1300	.1700	.1580	.0420
.300	-.0230	.0550	.0780	.0500	-.0350
.520	-.1620	-.1720	-.1560	-.1410	-.1310
.650	-.3220	-.3310	-.2360	-.2300	-.2390
.775	-.2820	-.2350	-.1480	-.1070	-.1540
.900		-.2240	-.1300	-.1380	-.1870

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPRU6)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (1) =-10.110

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0690	-.3030	-1.0680	-1.1310	-.8030
.050	-.3100	-.5740	-1.0790	-1.0930	-.7540
.150	-.3970	-.5100	-1.2380	-1.1140	-.7200
.300	-.4650	-.4760	-.7790	-1.0600	-.6280
.520	-.4210	-.5720	-.5930	-.9140	-.6330
.650	-.3690	-.5090	-.5170	-.6090	-.5500
.775	-.3790	-.4890	-.4020	-.2990	-.4990
.900		-.4690	-.3090	-.1790	-.3880

MACH (2) = .900 BETA (2) = -5.020

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2360	-.4310	-.2820	-.3740	-.3990
.050	-.0130	-.1900	-.9010	-.7410	-1.0370
.150	-.1500	-.2920	-.5720	-.7330	-1.0290
.300	-.2530	-.3900	-.4160	-.7370	-.4810
.520	-.3770	-.5050	-.5500	-.5270	-.4140
.650	-.4430	-.5140	-.7120	-.4090	-.2500
.775	-.3750	-.4590	-.4620	-.2770	-.1470
.900		-.4510	-.3050	-.1690	-.0790

MACH (2) = .804 BETA (3) = 5.260

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0780	-.4100	-.1170	-.2770	-.6100
.050	-1.1020	-.9070	.0770	.0960	-.0140
.150	-.4880	-.5680	.0080	-.0120	-.1550
.300	-.6650	-.3460	-.0690	-.1390	-.2700
.520	-.3580	-.3190	-.2970	-.3880	-.4050
.650	-.3190	-.4180	-.8100	-.7310	-.4750
.775	-.3000	-.3320	-.3600	-.3530	-.2180
.900		-.3350	-.2970	-.1140	-.0890

MACH (2) = .905 BETA (4) = 10.430

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0390	-.2370	-.5050	-.8050	-.7970
.050	-.5490	-.2480	.1760	.1690	.0750
.150	-.5130	-.0950	.1060	.0820	-.0410
.300	-.2750	-.0530	.0010	-.0530	-.1390
.520	-.2310	-.1790	-.2800	-.2790	-.2730
.650	-.3240	-.4490	-.4120	-.3660	-.3530
.775	-.2990	-.2950	-.2750	-.2400	-.1920
.900		-.3080	-.2750	-.1870	-.2030

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPRU7) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.3710	-1.0080	-.8280	-.5110	-.2620
.050	-.5860	-.9770	-.7360	-.6540	-.8800
.150	-.3900	-.8340	-.6380	-.5750	-.6920
.300	-.3620	-.3770	-.5280	-.4540	-.4230
.520	-.3920	-.2910	-.3700	-.3100	-.2510
.650	-.3020	-.2400	-.3060	-.2640	-.3310
.775	-.2580	-.1880	-.2130	-.1680	-.1490
.900		-.1750	-.1250	-.0970	-.0920

MACH (1) = .600 BETA (2) = -3.940

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2470	-.0070	-.0660	.1770	.1820
.050	-.3560	-.6610	-.5660	-.6430	-.6360
.150	-.2220	-.2870	-.3330	-.2830	-.2280
.300	-.2050	-.2360	-.2480	-.2080	-.1770
.520	-.2540	-.2670	-.2580	-.2170	-.2490
.650	-.2280	-.2380	-.2160	-.2180	-.3810
.775	-.1940	-.1710	-.1290	-.0930	-.1080
.900		-.1480	-.0790	-.0540	-.0300

MACH (1) = .600 BETA (3) = .090

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.4510	.4230	.3690	.3950	.1820
.050	-.0710	-.1980	-.1430	-.1120	-.0820
.150	-.0720	-.0840	-.0630	-.0500	-.0600
.300	-.0870	-.1180	-.0870	-.0810	-.0910
.520	-.2110	-.2310	-.1910	-.1780	-.2150
.650	-.2710	-.2100	-.1680	-.2030	-.3900
.775	-.1720	-.1560	-.0990	-.1160	-.1330
.900		-.1490	-.0790	-.1130	-.0680

MACH (1) = .900 BETA (4) = 4.210

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1290	.1670	.0910	-.0430	-.3470
.050	.1340	.1560	.2100	.2360	.1710
.150	.0930	.0880	.1250	.1190	.0590
.300	.0290	.0070	.0450	.0270	-.0290
.520	-.1450	-.1670	-.1100	-.1260	-.1770
.650	-.2910	-.1630	-.1070	-.1680	-.3670
.775	-.1650	-.1320	-.0750	-.1220	-.1500
.900		-.1530	-.0930	-.1420	-.0960

AMES 11-FT OA12 O2A RIGHT VERTICAL (RBPRU7)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.320

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.6500	-.5680	-.3410	-.5890	-1.0080
.050	.3120	.3570	.3870	.3820	.2790
.150	.2370	.2310	.2650	.2420	.1410
.300	.1540	.1190	.1570	.1160	.0300
.520	-.0640	-.0870	-.0300	-.0630	-.1270
.650	-.2620	-.1110	-.0370	-.1280	-.3170
.775	-.1930	-.1030	-.0370	-.0960	-.1580
.900		-.1450	-.0720	-.1380	-.1260

MACH (2) = .902 BETA (1) = -8.090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1070	-.2220	-.4150	-.2720	-.1140
.050	-.4830	-1.0830	-1.1330	-.6770	-.5450
.150	-.3970	-1.0700	-.9120	-.6550	-.5330
.300	-.4810	-.4860	-.8630	-.5950	-.4880
.520	-.4570	-.3760	-.7520	-.5110	-.4510
.650	-.2690	-.2740	-.6650	-.4720	-.4120
.775	-.2760	-.2460	-.5350	-.4440	-.3350
.900		-.2260	-.3250	-.4020	-.2960

MACH (2) = .901 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3780	.1910	.0160	.1500	.0910
.050	-.3600	-.9560	-.8720	-.8470	-1.0790
.150	-.3200	-.5200	-.7470	-.5240	-.6980
.300	-.3570	-.4030	-.5360	-.4800	-.3800
.520	-.3470	-.3510	-.2910	-.3490	-.3190
.650	-.2310	-.2360	-.3670	-.3460	-.7010
.775	-.2130	-.2100	-.2240	-.3480	-.2880
.900		-.2190	-.1860	-.2810	-.1650

MACH (2) = .903 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3990	.3280	.3490	.4130	.2090
.050	-.1590	-.4150	-.2770	-.2580	-.3100
.150	-.2240	-.1440	-.1120	-.1350	-.1550
.300	-.1660	-.1450	-.1340	-.1940	-.1770
.520	-.2060	-.2960	-.2260	-.2400	-.2550
.650	-.2770	-.2530	-.3280	-.3130	-.8010
.775	-.2070	-.2030	-.2200	-.3260	-.4740
.900		-.2110	-.2070	-.4310	-.2210

MACH (2) = .902 BETA (4) = 4.260

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3240	.3310	.2330	.1560	-.1230
.050	.0500	.0830	.1540	.1910	.1040
.150	.0140	.0690	.0890	.0840	-.0090
.300	.0160	.0050	.0090	-.0500	-.1000

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRD7)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .918 BETA (4) = 4.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1210	-.2220	-.1670	-.1930	-.1920
.650	-.3670	-.2190	-.1980	-.2310	-.7550
.775	-.1880	-.1810	-.1740	-.2490	-.4760
.900		-.1830	-.2160	-.4390	-.1410

MACH (2) = .905 BETA (5) = 8.440

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0160	.0400	.0030	-.1380	-.4080
.050	.2090	.3360	.3530	.3470	.2420
.150	.2090	.2360	.2390	.2130	.0960
.300	.1680	.1350	.1370	.0720	-.0220
.520	-.0210	-.1310	-.0770	-.1200	-.1490
.650	-.3140	-.1360	-.0910	-.1930	-.5890
.775	-.2130	-.1160	-.0990	-.1560	-.4330
.900		-.1580	-.1690	-.4100	-.2240

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBYRUB) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3440	-1.0510	-.9220	-.6300	-.3940
.050	-.5430	-1.0240	-.7230	-.6450	-.8700
.150	-.4130	-.7490	-.6470	-.5860	-.8320
.300	-.3510	-.3390	-.6180	-.5230	-.3220
.520	-.3350	-.2810	-.3650	-.3580	-.2190
.650	-.2480	-.2450	-.2910	-.2820	-.2770
.775	-.2560	-.2060	-.1870	-.1620	-.1670
.900		-.1920	-.1110	-.0790	-.0680

MACH (1) = .900 BETA (2) = -3.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1370	-.0810	-.1570	.0680	.0800
.050	-.2970	-.6860	-.5640	-.5080	-.6720
.150	-.2440	-.2940	-.3780	-.3140	-.2390
.300	-.2390	-.2430	-.2400	-.2080	-.1880
.520	-.2740	-.2680	-.2480	-.2120	-.2400
.650	-.2260	-.2310	-.2080	-.2070	-.3530
.775	-.2100	-.1780	-.1270	-.0960	-.0910
.900		-.1640	-.0800	-.0530	-.0120

MACH (1) = .800 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3830	.3730	.3090	.3220	.0930
.050	-.1100	-.1810	-.1870	-.1110	-.0790
.150	-.0990	-.1060	-.0690	-.0540	-.0700
.300	-.1120	-.1300	-.0940	-.0840	-.0970
.520	-.2210	-.2360	-.1870	-.1710	-.2110
.650	-.2590	-.2080	-.1610	-.1980	-.3680
.775	-.1640	-.1560	-.0970	-.1140	-.1280
.900		-.1510	-.0780	-.1110	-.0530

MACH (1) = .801 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0510	.0960	.0090	-.1360	-.4620
.050	.0680	.1260	.1860	.2080	.1440
.150	.0430	.0650	.1060	.1080	.0350
.300	-.0030	-.0080	.0290	.0120	-.0460
.520	-.1490	-.1630	-.1160	-.1230	-.1750
.650	-.2670	-.1560	-.1070	-.1670	-.3520
.775	-.1570	-.1340	-.0810	-.1200	-.1550
.900		-.1550	-.0960	-.1370	-.0840

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRD8)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .202 BETA (3) = 8.260

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5320	-.6570	-.4710	-.7440	-1.0020
.050	.2170	.3120	.3510	.3470	.2390
.150	.1720	.2070	.2430	.2230	.1090
.300	.1130	.1070	.1390	.1050	.0130
.520	-.0780	-.0840	-.0340	-.0620	-.1250
.650	-.2560	-.0950	-.0380	-.1130	-.2900
.775	-.1890	-.0880	-.0370	-.0860	-.1600
.900		-.1250	-.0680	-.1210	-.1190

MACH (2) = .900 BETA (1) = -8.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1150	-.2940	-.5910	-.3980	-.2050
.050	-.4380	-1.1110	-1.0940	-.5810	-.4480
.150	-.4390	-1.1020	-.9490	-.5350	-.4280
.300	-.5070	-.5360	-.9620	-.5010	-.4230
.520	-.4220	-.3180	-.7980	-.4780	-.3940
.650	-.2570	-.2650	-.5170	-.4420	-.3480
.775	-.2460	-.2430	-.1570	-.4220	-.3080
.900		-.2280	-.0340	-.4110	-.2900

MACH (2) = .903 BETA (2) = -4.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1640	.1070	-.0940	.0800	-.0210
.050	-.2730	-.9370	-.7520	-.7390	-.9770	
.150	-.3580	-.4900	-.6990	-.5170	-.7000
.300	-.4090	-.4170	-.5370	-.4540	-.2970
.520	-.3440	-.2580	-.2920	-.3390	-.2720
.650	-.2230	-.2200	-.2950	-.3400	-.6800
.775	-.2150	-.2020	-.1950	-.3220	-.2320
.900		-.2000	-.1570	-.2800	-.1400

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2800	.2490	.2700	.3400	.1180
.050	-.2290	-.4110	-.2350	-.2480	-.2710
.150	-.3030	-.1780	-.1090	-.1320	-.1670
.300	-.2210	-.1570	-.1370	-.1710	-.1750
.520	-.2120	-.2760	-.2270	-.2330	-.2340
.650	-.2410	-.2400	-.2890	-.2900	-.7240
.775	-.1840	-.1950	-.2010	-.3070	-.4060
.900		-.2010	-.1940	-.4060	-.2040

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1470	.2530	.1230	.0690	-.2420
.050	-.0820	.0390	.1490	.1760	.0820
.150	-.0570	.0360	.0850	.0750	-.0360
.300	-.0300	-.0180	.0160	-.0440	-.1230

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPRU0)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1320	-.2000	-.1510	-.1800	-.1770
.650	-.2740	-.1680	-.1700	-.2150	-.6070
.775	-.1580	-.1380	-.1510	-.2260	-.3800
.900		-.1720	-.1840	-.3690	-.1680

MACH (2) = .901 BETA (5) = 8.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0400	-.0410	-.1220	-.2950	-.5590
.050	.1380	.2670	.3100	.3090	.2020
.150	.1110	.1960	.2100	.1850	.0600
.300	.1120	.1050	.1130	.0580	-.0480
.520	-.0480	-.1430	-.0810	-.1230	-.1690
.650	-.3180	-.1280	-.0910	-.1860	-.5440
.775	-.2100	-.1110	-.1100	-.1480	-.4320
.900		-.1530	-.1740	-.4030	-.1890

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPRU9) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2670	-1.1850	-1.0570	-.8040	-.5360
.050	-.5010	-1.0770	-.7480	-.6870	-.8890
.150	-.4290	-.5630	-.7170	-.6770	-.8370
.300	-.3660	-.3600	-.7990	-.6760	-.2940
.520	-.3170	-.3120	-.3140	-.3280	-.2950
.650	-.2200	-.2710	-.2490	-.2240	-.2860
.775	-.2340	-.2290	-.1640	-.1210	-.1560
.900		-.2080	-.0960	-.0610	-.0500

MACH (1) = .601 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1820	-.1650	-.2600	-.0510	-.0310
.050	-.2720	-.7310	-.5650	-.5040	-.7060
.150	-.2680	-.3070	-.4370	-.3660	-.2600
.300	-.2480	-.2620	-.2690	-.2240	-.1780
.520	-.2730	-.2720	-.2480	-.2010	-.2180
.650	-.2410	-.2390	-.2080	-.1910	-.3140
.775	-.1960	-.1880	-.1310	-.0980	-.0940
.900		-.1690	-.0810	-.0480	-.0080

MACH (1) = .600 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3320	.3320	.2360	.2440	.0250
.050	-.1450	-.1580	-.2140	-.1000	-.0930
.150	-.1470	-.1290	-.0830	-.0630	-.0810
.300	-.1400	-.1470	-.1070	-.0810	-.1030
.520	-.2400	-.2410	-.1850	-.1710	-.2000
.650	-.2610	-.2100	-.1580	-.1830	-.3430
.775	-.1680	-.1590	-.1000	-.1070	-.1220
.900		-.1580	-.0750	-.0980	-.0400

MACH (1) = .599 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1510	.0120	-.1060	-.2940	-.6060
.050	.0220	.1050	.1720	.1930	.1150
.150	-.0250	.0440	.0690	.0880	.0130
.300	-.0440	-.0240	.0240	.0040	-.0630
.520	-.1700	-.1650	-.1060	-.1260	-.1750
.650	-.2710	-.1630	-.1030	-.1660	-.3380
.775	-.1600	-.1330	-.0790	-.1260	-.1520
.900		-.1610	-.0900	-.1360	-.0770

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR09)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3450	-.7430	-.5850	-.8950	-1.0270
.050	.1330	.2660	.3110	.3050	.1860
.150	.1010	.1840	.2690	.1940	.0750
.300	.0730	.0850	.1270	.0840	-.0110
.520	-.0940	-.0930	-.0330	-.0680	-.1410
.650	-.2710	-.1030	-.0330	-.1140	-.3070
.775	-.2000	-.0920	-.0370	-.1040	-.1560
.900		-.1420	-.0630	-.1300	-.0990

MACH (2) = .904 BETA (1) = -8.160

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1220	-.3250	-.7260	-.6080	-.3870
.050	-.3910	-1.0890	-.9770	-.6780	-.5150
.150	-.4310	-.6140	-.9160	-.6740	-.4850
.300	-.4860	-.5540	-1.0650	-.6490	-.4580
.520	-.4050	-.3580	-.4770	-.5670	-.4050
.650	-.2580	-.3050	-.2380	-.4970	-.3830
.775	-.2650	-.2920	-.1750	-.4810	-.3520
.900		-.2790	-.1210	-.4180	-.3140

MACH (2) = .902 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0980	.0220	-.2290	-.0840	-.1560
.050	-.2550	-.8520	-.7660	-.6490	-.9340
.150	-.3520	-.4560	-.6370	-.5550	-.8070
.300	-.3990	-.4130	-.4930	-.5370	-.1810
.520	-.3610	-.3380	-.2920	-.3380	-.2610
.650	-.2450	-.2750	-.3120	-.3070	-.5110
.775	-.2320	-.2430	-.2180	-.2880	-.2110
.900		-.2350	-.1680	-.2080	-.1040

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2570	.1830	.1970	.2470	.0170
.050	-.2820	-.4880	-.3070	-.2650	-.2820
.150	-.3540	-.2520	-.1540	-.1600	-.1890
.300	-.2900	-.2270	-.1640	-.1960	-.1950
.520	-.2730	-.2990	-.2450	-.2530	-.2400
.650	-.2520	-.2580	-.2930	-.2860	-.6300
.775	-.2160	-.2120	-.2230	-.2830	-.3600
.900		-.2230	-.2040	-.3720	-.1910

MACH (2) = .898 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1030	.1520	.0020	-.0590	-.3870
.050	-.2320	-.0310	.0930	.1440	.0420
.150	-.2100	-.0290	.0300	.0430	-.0770
.300	-.1170	-.0650	-.0130	-.0560	-.1490

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPRU9)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1770	-.2360	-.1660	-.1940	-.1940
.650	-.2850	-.1930	-.1780	-.2300	-.5490
.775	-.1760	-.1620	-.1700	-.2220	-.3850
.900		-.1820	-.1930	-.3590	-.1670

MACH (2) = .900 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0180	-.0790	-.2580	-.4780	-.6810
.090	-.0550	.1860	.2540	.2610	.1460
.150	-.0050	.1380	.1610	.1520	.0170
.300	.0490	.0560	.0810	.0410	-.0680
.520	-.0910	-.1730	-.0890	-.1330	-.1750
.650	-.3265	-.1440	-.1110	-.1850	-.5370
.775	-.2080	-.1200	-.1180	-.1470	-.4070
.900		-.1540	-.1750	-.3860	-.1790

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR1U) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
PSCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0040	-1.0500	-1.1420	-.9020	-.6560
.050	-.4560	-1.1520	-.7920	-.7360	-.8930
.150	-.4280	-.4970	-.8430	-.7640	-.7250
.300	-.3800	-.4040	-.8200	-.7510	-.3510
.520	-.3510	-.3530	-.2830	-.2450	-.3450
.650	-.2550	-.3190	-.2510	-.1910	-.3080
.775	-.2430	-.2750	-.1720	-.1150	-.1770
.900		-.2490	-.1100	-.0870	-.0440

MACH (1) = .599 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3040	-.1400	-.3110	-.1310	-.1150
.050	-.2620	-.7650	-.5760	-.4970	-.6790
.150	-.2690	-.3210	-.4700	-.3870	-.2740
.300	-.2550	-.2960	-.2620	-.2280	-.1780
.520	-.3050	-.3200	-.2590	-.2030	-.2160
.650	-.2810	-.2790	-.2210	-.1990	-.3040
.775	-.2460	-.2240	-.1370	-.1040	-.0960
.900		-.2060	-.0890	-.0560	-.0050

MACH (1) = .598 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3240	.2960	.1880	.1940	-.0370
.050	-.1870	-.1830	-.2280	-.0910	-.0990
.150	-.1840	-.1540	-.0980	-.0750	-.0900
.300	-.1640	-.1660	-.1160	-.0900	-.1110
.520	-.2690	-.2680	-.1960	-.1660	-.2000
.650	-.3050	-.2400	-.1640	-.1790	-.3300
.775	-.2070	-.1820	-.1040	-.1030	-.1180
.900		-.1750	-.0750	-.0920	-.0330

MACH (1) = .598 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2930	-.0020	-.1910	-.3850	-.6940
.050	-.1280	.0520	.1480	.1720	.0880
.150	-.1060	.0140	.0690	.0760	-.0080
.300	-.1000	-.0440	.0090	-.0010	-.0660
.520	-.2250	-.1880	-.1080	-.1240	-.1720
.650	-.3240	-.1790	-.0990	-.1540	-.3250
.775	-.1900	-.1440	-.0740	-.1190	-.1510
.900		-.1630	-.0770	-.1280	-.0660

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR10)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .803 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
Y/CV					
.000	-.0580	-.7330	-.6970	-1.0230	-1.0800
.050	.0140	.2050	.2650	.2670	.1490
.150	.0150	.1340	.1960	.1720	.0410
.300	.0470	.0530	.1040	.0790	-.0050
.520	-.1390	-.1020	-.0390	-.0680	-.1480
.650	-.2960	-.1070	-.0420	-.1190	-.2950
.775	-.2230	-.1040	-.0440	-.1130	-.1560
.900		-.1490	-.0670	-.1320	-.0890

MACH (2) = .802 BETA (1) = -8.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0600	-.2880	-.7790	-.7410	-.5000
.050	-.3510	-.9840	-.9730	-.7880	-.5590
.150	-.1610	-.5660	-.9730	-.7530	-.5310
.300	-.2440	-.5540	-1.1020	-.7410	-.4920
.520	-.2150	-.4310	-.3450	-.6110	-.4560
.650	-.2890	-.3710	-.2420	-.5120	-.4040
.775	-.2490	-.3610	-.1720	-.4180	-.3440
.900		-.3290	-.1310	-.3200	-.2710

MACH (2) = .899 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0770	-.1050	-.2770	-.1480	-.2310
.050	-.1980	-.6910	-.8900	-.6060	-.8410
.150	-.3410	-.5250	-.7710	-.5260	-.7860
.300	-.4360	-.5200	-.4080	-.5250	-.2170
.520	-.4260	-.3960	-.2670	-.3340	-.2840
.650	-.2770	-.3140	-.3170	-.2910	-.3920
.775	-.2740	-.2780	-.2170	-.2410	-.1880
.900		-.2790	-.1670	-.1910	-.0870

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3520	.1500	.0240	.2110	-.0250
.050	-.3880	-.6900	-.4470	-.2460	.2680
.150	-.4280	-.4140	-.1880	-.1620	-.2040
.300	-.4450	-.3700	-.1640	-.2150	-.2130
.520	-.3810	-.4410	-.2470	-.2710	-.2490
.650	-.3100	-.2880	-.3010	-.2980	-.5960
.775	-.2700	-.2420	-.2520	-.2830	-.3570
.900		-.2680	-.2380	-.3720	-.1820

MACH (2) = .901 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0620	.0860	-.0890	-.2010	-.4810
.050	-.5030	-.2440	.0210	.1180	.0180
.150	-.4100	-.1800	-.0080	.0290	-.0900
.300	-.2930	-.1880	-.0510	-.0740	-.1660

AMES 11-FT OA12 OA RIGHT VERTICAL (RBPR11)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2920	-.2750	-.1920	-.2120	-.2290
.650	-.2930	-.2430	-.1990	-.2480	-.5310
.775	-.2460	-.1960	-.1870	-.2220	-.3740
.900		-.2260	-.2300	-.3450	-.1510

MACH (2) = .900 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0280	-.1080	-.3410	-.6230	-.7560
.050	-.2840	.0520	.2000	.2250	.1070
.150	-.2110	.0520	.1190	.1290	-.0120
.300	-.0970	.0060	.0570	.0220	-.0930
.520	-.1710	-.1870	-.0930	-.1330	-.[illegible]880
.650	-.3350	-.1640	-.1050	-.1770	-.5380
.775	-.2430	-.1400	-.1160	-.1400	-.3710
.900		-.1740	-.1790	-.3650	-.1740

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -10.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0860	-.9260	-1.3020	-1.0180	-.8110
.050	-.3280	-.9080	-.9160	-.7830	-.9040
.150	-.3830	-.5330	-1.0020	-.8000	-.6820
.300	-.3770	-.4800	-.7740	-.7250	-.4290
.520	-.4000	-.4380	-.3090	-.2720	-.3870
.650	-.3160	-.3740	-.2580	-.2140	-.3310
.775	-.2970	-.3200	-.1750	-.1630	-.1590
.900		-.2610	-.1080	-.1180	-.0380

MACH (1) = .598 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3720	-.0760	-.3980	-.2090	-.1950
.050	-.2450	-.6580	-.6050	-.4830	-.6780
.150	-.2730	-.3330	-.5250	-.4350	-.2780
.300	-.2590	-.3150	-.2780	-.2350	-.1780
.520	-.3410	-.3520	-.2760	-.1980	-.2250
.650	-.3310	-.3030	-.2290	-.1900	-.2930
.775	-.2750	-.2400	-.1510	-.1050	-.1030
.900		-.2150	-.0990	-.0580	-.0110

MACH (1) = .598 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3810	.2950	.1500	.1440	-.0910
.050	-.2490	-.2170	-.2280	-.0900	-.1030
.150	-.2460	-.1790	-.1240	-.0810	-.1050
.300	-.2140	-.2040	-.1350	-.0980	-.1230
.520	-.3310	-.3140	-.2080	-.1720	-.2040
.650	-.3700	-.2860	-.1740	-.1840	-.3360
.775	-.2580	-.2250	-.1120	-.1200	-.1260
.900		-.2080	-.0850	-.0950	-.0330

MACH (1) = .598 BETA (4) = 4.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3820	.0070	-.3090	-.5510	-.8740
.050	-.2520	.0180	.1350	.1570	.0660
.150	-.2160	-.0120	.0560	.0620	-.0230
.300	-.1760	-.0620	-.0070	-.0100	-.0730
.520	-.3060	-.2140	-.1170	-.1190	-.1870
.630	-.3980	-.1960	-.0980	-.1510	-.3250
.775	-.2580	-.1560	-.0800	-.1230	-.1550
.900		-.1630	-.0770	-.1350	-.0740

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR11)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.310

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1890	-.6660	-.8820	-1.1580	-1.0840
.050	-.2520	.1440	.2450	.2350	.1050
.150	-.1490	.0880	.1750	.1660	.0180
.300	-.0950	.0290	.1010	.0760	-.0490
.520	-.2110	-.1170	-.0340	-.0640	-.1500
.650	-.3260	-.1240	-.0400	-.1140	-.2890
.775	-.2640	-.1110	-.0380	-.1180	-.1710
.900		-.1540	-.0670	-.1490	-.0940

MACH (2) = .903 BETA (1) = -8.060

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1970	-.3150	-.8790	-.8810	-.6500
.050	-.2050	-.4710	-.9970	-.9030	-.7380
.150	-.3220	-.4780	-1.0870	-.9110	-.7020
.300	-.3970	-.4720	-.5290	-.9220	-.6540
.520	-.4150	-.5410	-.4390	-.6170	-.6340
.650	-.3730	-.3970	-.4030	-.3670	-.4860
.775	-.3400	-.3980	-.2940	-.1860	-.2640
.900		-.3790	-.2150	-.1230	-.1010

MACH (2) = .900 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1110	-.0290	-.2050	-.1870	-.3020
.050	-.0870	-.2830	-.8510	-.6890	-.8720
.150	-.2180	-.3500	-.4780	-.6070	-.8280
.300	-.3200	-.4280	-.2760	-.4840	-.2890
.520	-.4250	-.4370	-.3470	-.3480	-.3080
.650	-.3890	-.3180	-.4290	-.2900	-.5270
.775	-.3400	-.3180	-.3450	-.2650	-.2330
.900		-.3300	-.2390	-.2640	-.1120

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4430	.2110	.1140	.1590	-.0790
.050	-.5450	-.8990	-.2510	-.2380	-.2780
.150	-.4610	-.5420	-.1370	-.1790	-.2230
.300	-.5500	-.4410	-.1650	-.2280	-.2330
.520	-.4310	-.3350	-.2700	-.2930	-.2740
.650	-.3650	-.3760	-.3340	-.3210	-.6680
.775	-.3280	-.3010	-.2780	-.3090	-.4260
.900		-.3150	-.2760	-.4100	-.2170

MACH (2) = .900 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0920	-.2230	-.0280	-.2190	-.5690
.050	-1.0630	-.9440	.0450	.0970	-.0040
.150	-.5460	-.6090	.0120	.0100	-.1180
.300	-.6440	-.3710	-.0350	-.0810	-.1810

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.3640	-.3380	-.1910	-.2170	-.2340
.650	-.3520	-.3120	-.1970	-.2460	-.5370
.775	-.3200	-.2860	-.1750	-.2260	-.4290
.900		-.3100	-.2110	-.3940	-.2440

MACH (2) = .901 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0990	-.3740	-.3970	-.7260	-.8640
.050	-.6900	-.4800	.1750	.1840	.0830
.150	-.5700	-.2240	.1120	.1030	-.0320
.300	-.3790	-.1390	.0400	.0100	-.1110
.520	-.3030	-.2030	-.1060	-.1370	-.2010
.650	-.3500	-.1880	-.1150	-.1980	-.5080
.775	-.2900	-.1750	-.1330	-.1490	-.3690
.900		-.2210	-.2040	-.3420	-.1910

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR12) (01 MAY 73)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3510	-.9190	-.6500	-.2780	-.1040
.050	-.5550	-.9160	-.6360	-.5030	-.7020
.150	-.3650	-.8140	-.5150	-.4300	-.4950
.300	-.3330	-.3170	-.3950	-.3200	-.2640
.520	-.3710	-.1960	-.2260	-.1970	-.1830
.650	-.2880	-.0710	-.1620	-.1780	-.3210
.775	-.2410	-.1140	-.1150	-.1440	-.1690
.900		-.1420	-.0750	-.1180	-.0970

MACH (1) = .600 BETA (2) = -3.930

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2620	.0320	.0410	.2950	.2510
.050	-.3390	-.6500	-.4720	-.4380	-.2870
.150	-.2070	-.2550	-.2280	-.1470	-.1310
.300	-.1760	-.1950	-.1160	-.0790	-.0930
.520	-.2380	-.1760	-.0220	-.0350	-.1730
.650	-.2330	-.0050	.0440	-.0160	-.4020
.775	-.1860	-.0740	-.0020	-.0750	-.1530
.900		-.1120	-.0290	-.1230	-.0660

MACH (1) = .599 BETA (3) = .100

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4510	.4250	.3850	.3490	.1070
.050	-.0560	-.1630	-.1060	.0340	.0200
.150	-.0510	-.0600	.0200	.0430	.0120
.300	-.0690	-.0800	.0190	.0220	-.0250
.520	-.1900	-.1320	.0340	-.0130	-.1560
.650	-.2570	.0430	.0970	-.0140	-.4350
.775	-.1610	-.0370	.0150	-.1040	-.2090
.900		-.0890	-.0680	-.1640	-.1410

MACH (1) = .601 BETA (4) = 4.210

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1120	.1510	.0590	-.1550	-.4890
.050	.1580	.1800	.2740	.3050	.2330
.150	.1060	.1180	.1980	.2010	.1180
.300	.0540	.0460	.1390	.1150	.0310
.520	-.1250	-.0630	.1080	.0300	-.1310
.650	-.2630	.0980	.1510	.0140	-.3960
.775	-.1610	.0050	.0600	-.0820	-.2030
.900		-.0690	-.0340	-.1610	-.1250

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR12)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.7330	-.5940	-.4160	-.7590	-1.0770
.050	.3240	.3770	.4280	.4260	.3040
.150	.2520	.2570	.3190	.3040	.1730
.300	.1730	.1560	.2370	.1910	.0710
.520	-.0450	.0080	.1640	.0740	-.1040
.650	-.2300	.1490	.1940	.0410	-.3580
.775	-.1860	.0480	.0980	-.0540	-.2040
.900		-.0490	-.0020	-.1430	-.1190

MACH (2) = .901 BETA (1) = -8.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1140	-.2220	-.4060	-.2220	-.0750
.050	-.4840	-1.0780	-1.0120	-.5360	-.4150
.150	-.3980	-1.0670	-.9610	-.5070	-.3940
.300	-.4830	-.4860	-.9500	-.4830	-.3740
.520	-.4460	-.3430	-.7700	-.4690	-.3570
.650	-.2940	-.1510	-.6910	-.4200	-.3370
.775	-.2750	-.1600	-.3790	-.4060	-.3390
.900		-.1790	-.0160	-.4040	-.3040

MACH (2) = .900 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3810	.1860	.0190	.2270	.1230
.050	-.3630	-.9400	-.7300	-.5050	-.7470
.150	-.3170	-.5430	-.6970	-.3280	-.5550
.300	-.3620	-.3950	-.4820	-.2770	-.1490
.520	-.3440	-.2290	-.0540	-.2240	-.1890
.650	-.2440	.0100	.0190	-.2340	-.5960
.775	-.2250	-.0900	-.0420	-.2620	-.3210
.900		-.1530	-.1390	-.3250	-.2640

MACH (2) = .900 BETA (3) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4010	.3280	.3640	.4320	.2030
.050	-.1470	-.4080	-.2440	-.1550	-.1290
.150	-.2090	-.1420	-.0570	-.0180	-.0420
.300	-.1600	-.1350	-.0300	-.0230	-.0450
.520	-.2010	-.2140	.0200	-.0090	-.0910
.650	-.2820	.0370	.0760	-.0100	-.4670
.775	-.1980	-.0570	-.0270	-.1120	-.3210
.900		-.1320	-.1390	-.3120	-.3140

MACH (2) = .900 BETA (4) = 4.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3250	.3280	.2420	.1260	-.1790
.050	.0520	.0800	.1990	.2680	.1860
.150	.0280	.0710	.1560	.1800	.0820
.300	.0180	.0180	.1140	.1020	.0090

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR12)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1160	-.1820	.0950	.0310	-.0490
.650	-.3530	.1090	.1450	.0250	-.4660
.775	-.1820	.0030	.0340	-.0720	-.3550
.900		-.0820	-.0830	-.3030	-.3190

MACH (2) = .903 BETA (5) = 8.450

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0120	.0450	.0160	-.1690	-.4710
.050	.2650	.3310	.3810	.4020	.2900
.150	.2150	.2430	.2900	.2880	.1630
.300	.1680	.1450	.2210	.1860	.0710
.520	-.0160	-.0680	.1670	.0910	-.0300
.650	-.3040	.1630	.2080	.0550	-.5720
.775	-.2150	.0560	.0920	-.0460	-.3920
.900		-.0310	-.0330	-.3360	-.3280

AMES 11-707 OA12 OBA RIGHT VERTICAL (RBPR13) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3220	-.9950	-.7640	-.3860	-.2130
.050	-.5270	-.9860	-.6420	-.4910	-.7180
.150	-.4080	-.6960	-.5560	-.4460	-.6520
.300	-.3320	-.3110	-.5160	-.4140	-.1870
.520	-.3240	-.2030	-.2260	-.2340	-.1830
.650	-.2430	-.1010	-.1420	-.1690	-.2680
.775	-.2470	-.1360	-.0850	-.0900	-.1250
.900		-.1550	-.0420	-.0590	-.0580

MACH (1) = .599 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1470	-.0460	-.0470	.1950	.1550
.050	-.2760	-.6610	-.4920	-.3240	-.3230
.150	-.2400	-.2750	-.2650	-.1650	-.1390
.300	-.2210	-.2160	-.1330	-.0680	-.1040
.520	-.2580	-.1810	-.0410	-.0510	-.1740
.650	-.2320	-.0270	.0300	-.0320	-.3740
.775	-.2140	-.0930	-.0690	-.0740	-.1250
.900		-.1260	-.0270	-.1110	-.0310

MACH (1) = .598 BETA (3) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3860	.3760	.3180	.2650	.0140
.050	-.0890	-.1610	-.1120	.0360	.0120
.150	-.0860	-.0820	.0000	.0380	-.0120
.300	-.0910	-.0970	.0130	.0160	-.0450
.520	-.1950	-.1400	.0280	-.0170	-.1630
.650	-.2530	.0390	.0900	-.0200	-.4230
.775	-.1620	-.0450	.0250	-.1040	-.1830
.900		-.0900	-.0340	-.1630	-.0950

MACH (1) = .599 BETA (4) = 4.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0370	.0730	-.0460	-.2850	-.6450
.050	.0960	.1600	.2580	.2780	.1890
.150	.0700	.0990	.1810	.1730	.0830
.300	.0250	.0320	.1180	.0980	.0030
.520	-.1250	-.0610	.0910	.0150	-.1240
.650	-.2570	.1040	.1300	.0020	-.3530
.775	-.1660	.0120	.0520	-.0800	-.1640
.900		-.0670	-.0210	-.1530	-.0920

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR13)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.270

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5710	-.6750	-.5390	-.9150	-.9700
.050	.2310	.3250	.3860	.3770	.2540
.150	.1850	.2200	.2920	.2670	.1340
.300	.1310	.1370	.2130	.1620	.0450
.520	-.0590	.0090	.1460	.0430	-.1350
.650	-.2390	.1530	.1790	.0150	-.3680
.775	-.1900	.0590	.0890	-.0720	-.2100
.900		-.0310	.0020	-.1500	-.1240

MACH (2) = .807 BETA (1) = -3.140

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1170	-.2890	-.5830	-.3020	-.1660
.050	-.4290	-1.0970	-1.0030	-.4430	-.3720
.150	-.4320	-1.0610	-.9450	-.4210	-.3580
.300	-.5010	-.5270	-.9920	-.4140	-.3450
.520	-.4070	-.2570	-.8050	-.4920	-.3160
.650	-.2550	-.1430	-.2910	-.4310	-.3200
.775	-.2350	-.1440	.0640	-.4640	-.3460
.900		-.1760	-.0180	-.4280	-.2900

MACH (2) = .899 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1660	.0980	-.0940	.1310	.0250
.050	-.2720	-.9990	-.6320	-.4550	-.7180
.150	-.3520	-.4940	-.6000	-.3290	-.5030
.300	-.4080	-.4030	-.4260	-.2840	-.1450
.520	-.3230	-.1960	-.0600	-.2200	-.1910
.650	-.2180	-.0280	-.0090	-.2460	-.4490
.775	-.2120	-.1090	-.0670	-.2610	-.2940
.900		-.1640	-.1430	-.2800	-.2210

MACH (2) = .901 BETA (3) = .100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3050	.2670	.2840	.3510	.1120
.050	-.2220	-.5250	-.2250	-.1310	-.1130
.150	-.3020	-.1600	-.0580	-.0200	-.0610
.300	-.1940	-.1370	-.0290	-.0300	-.0660
.520	-.2010	-.2140	.0030	-.0340	-.1030
.650	-.2510	.0540	.0580	-.0330	-.3980
.775	-.1830	-.0470	-.0400	-.1140	-.2960
.900		-.1170	-.1460	-.3050	-.2870

MACH (2) = .903 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1410	.2530	.1410	.0410	-.2990
.050	-.0770	.0480	.1960	.2480	.1550
.150	-.0560	.0450	.1550	.1570	.0480
.300	-.0200	-.0020	.1060	.0760	-.0150

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPR13)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1220	-.1350	.0850	.0140	-.0680
.650	-.2700	.1150	.1240	.0040	-.4140
.775	-.1650	.0180	.0240	-.0800	-.3380
.900		-.0650	-.0790	-.3020	-.2430

MACH (2) = .902 BETA (5) = 8.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0320	-.0480	-.1050	-.3460	-.6080
.050	.1450	.2690	.3490	.3590	.2500
.150	.1330	.1980	.2700	.2580	.1280
.300	.1170	.1220	.2040	.1590	.0450
.520	-.0410	-.0660	.1440	.0610	-.0460
.650	-.2920	.1690	.1820	.0530	-.5050
.775	-.2040	.0680	.0720	-.0480	-.3760
.900		-.0170	-.0510	-.3110	-.2600

AMES 11-FT OA12 OEA RIGHT VERTICAL (RBPR14) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2310	-1.1110	-.9110	-.5520	-.3610
.050	-.4890	-1.0500	-.6510	-.5340	-.7230
.150	-.4210	-.5230	-.6110	-.5260	-.6330
.300	-.3510	-.3310	-.6550	-.5400	-.1870
.520	-.3010	-.2220	-.1780	-.1600	-.2220
.650	-.2240	-.1320	-.1020	-.0800	-.2190
.775	-.2390	-.1460	-.0840	-.0320	-.0730
.900		-.1650	-.0320	-.0320	-.0310

MACH (1) = .800 BETA (2) = -5.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1890	-.1300	-.1860	.0980	.0810
.050	-.2600	-.7070	-.4970	-.3440	-.3780
.150	-.2550	-.2850	-.3430	-.2170	-.1520
.300	-.2340	-.2370	-.1630	-.0960	-.1090
.520	-.2630	-.1920	-.0490	-.0560	-.1650
.650	-.2650	-.0610	.0150	-.0390	-.3250
.775	-.2190	-.1080	-.0170	-.0660	-.1150
.900		-.1460	-.0230	-.0980	-.0180

MACH (1) = .999 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3270	.3330	.2510	.1860	-.0680
.050	-.1380	-.1430	-.1300	.0220	-.0120
.150	-.1280	-.1160	-.0190	.0140	-.0260
.300	-.1270	-.1180	-.0130	.0020	-.0550
.520	-.2200	-.1490	.0070	-.0280	-.1160
.650	-.2720	.0260	.0740	-.0260	-.3120
.775	-.1760	-.0440	.0110	-.0760	-.2050
.900		-.0890	-.0390	-.1510	-.1410

MACH (1) = .999 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1520	-.0080	-.1540	-.4480	-.8060
.050	-.0130	.1150	.2140	.2440	.1530
.150	-.0070	.0630	.1460	.1490	.0550
.300	-.0300	.0090	.1060	.0790	-.0170
.520	-.1570	-.0730	.0760	-.0010	-.1260
.650	-.2600	.0910	.1190	-.0060	-.3380
.775	-.1700	.0060	.0480	-.0740	-.1800
.900		-.0720	-.0110	-.1560	-.0720

AMES 11-707 OA12 C2A RIGHT VERTICAL (RBPR14)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .602 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3580	-.7750	-.6630	-1.0770	-1.1130
.050	.1340	.2700	.3330	.3180	.1970
.150	.1120	.1860	.2520	.2290	.0900
.300	.0770	.1080	.1920	.1380	.0110
.520	-.0840	-.0050	.1310	.0280	-.1490
.650	-.2540	.1440	.1600	.0000	-.3830
.775	-.1960	.0530	.0790	-.0820	-.1840
.900		-.0380	.0000	-.1490	-.1240

MACH (2) = .902 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1200	-.3140	-.7190	-.5060	-.3540
.050	-.3870	-1.0700	-.9570	-.5510	-.4740
.150	-.4200	-.6110	-.8890	-.5540	-.4490
.300	-.4820	-.5380	-1.0230	-.5570	-.4260
.520	-.3940	-.3100	-.2980	-.5660	-.3860
.650	-.2540	-.2360	-.1080	-.4870	-.3810
.775	-.2560	-.2480	-.0870	-.4830	-.3520
.900		-.2500	-.1240	-.4370	-.2910

MACH (2) = .901 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0970	.0150	-.2120	-.0050	-.0990
.050	-.2540	-.8450	-.7170	-.4440	-.6560
.150	-.3450	-.4550	-.5990	-.3690	-.5800
.300	-.3960	-.4010	-.4140	-.3540	-.1360
.520	-.3330	-.2570	-.0880	-.2190	-.2220
.650	-.2490	-.1330	-.0390	-.1950	-.3340
.775	-.2310	-.1470	-.0870	-.2060	-.2510
.900		-.1950	-.1580	-.2370	-.2290

MACH (2) = .899 BETA (3) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2580	.1830	.2140	.2680	.0160
.050	-.2790	-.4660	-.2690	-.1500	-.1320
.150	-.3450	-.2440	-.1060	-.0600	-.0860
.300	-.2790	-.2190	-.0620	-.0570	-.0910
.520	-.2650	-.2230	-.0200	-.0540	-.1230
.650	-.2630	.0060	.0350	-.0580	-.3660
.775	-.2180	-.0740	-.0550	-.1260	-.2930
.900		-.1410	-.1530	-.3002	-.2830

MACH (2) = .900 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1050	.1620	.0120	-.1100	-.4410
.050	-.2280	-.0380	.1200	.2090	.1100
.150	-.2000	-.0290	.0900	.1200	.0000
.300	-.1230	-.0560	.0700	.0470	-.0630

AMES 11-7ft OA12 OEA RIGHT VERTICAL (2BPR14)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1770	-.1580	.0580	-.0200	-.1080
.650	-.2900	.0960	.0970	-.0280	-.4540
.775	-.1900	.0050	-.0020	-.1000	-.3590
.900		-.0700	-.0980	-.3170	-.2170

MACH (2) = .900 BETA (5) = 8.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0140	-.0760	-.2390	-.5100	-.7250
.050	-.0360	.1910	.2790	.3040	.1820
.150	.0230	.1430	.2170	.2170	.0660
.300	.0490	.0730	.1730	.1270	.0030
.520	-.0850	-.1020	.1260	.0310	-.0750
.650	-.3120	.1490	.1540	.0050	-.4670
.775	-.2150	.0550	.0540	-.0660	-.3210
.900		-.0200	-.0670	-.3050	-.2350

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBP2151 (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0180	-.9750	-.9960	-.6490	-.4540
.050	-.4380	-1.1190	-.6980	-.5690	-.7210
.150	-.4050	-.4690	-.7380	-.5910	-.5240
.300	-.3600	-.3740	-.6750	-.5830	-.2340
.520	-.3320	-.2640	-.1480	-.1250	-.2630
.650	-.2530	-.1720	-.0660	-.0660	-.2460
.775	-.2440	-.1780	-.0610	-.0550	-.0720
.900		-.1980	-.0480	-.0750	-.0210

MACH (1) = .599 BETA (2) = -3.970

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2990	-.1350	-.2230	.0380	-.0090
.050	-.2550	-.7370	-.5060	-.3410	-.3850
.150	-.2550	-.3020	-.3590	[illegible]	-.1580
.300	-.2470	-.2610	-.1620	.1080	[illegible]
.520	-.2550	-.2270	-.0630	-.0670	.0650
.650	-.2920	-.0800	.0010	[illegible]	-.3070
.775	-.2550	-.1260	-.0310	-.0690	-.1160
.900		-.1530	-.0410	-.0590	-.0280

MACH (1) = .600 BETA (3) = .100

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3140	.2940	.1980	.1230	-.1350
.050	-.1820	-.1640	-.1400	.0130	-.0190
.150	-.1700	-.1420	-.0340	.0020	-.0410
.300	-.1620	-.1470	-.0310	-.0130	-.0710
.520	-.2590	-.1840	.0000	-.0340	-.1270
.650	-.3150	.0040	.0610	-.0360	-.3050
.775	-.2170	-.0580	-.0010	-.0880	-.2130
.900		-.1050	-.0490	-.1640	-.1600

MACH (1) = .598 BETA (4) = 4.180

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2810	-.0400	-.2560	-.5920	-.9480
.050	-.1180	.0690	.1900	.2190	.1190
.150	-.0030	.0260	.1210	.1310	.0210
.300	-.0820	-.0240	.0920	.0630	-.0340
.520	-.2120	-.1000	.0700	-.0140	-.1360
.650	-.3150	.0780	.1110	-.0230	-.3460
.775	-.2080	.0010	.0440	-.0910	-.2250
.900		-.0760	-.0080	-.1710	-.0840

AMES 11-707 OA12 C2A RIGHT VERTICAL (RBPR15)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.260

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.1060	-.7710	-.7910	-1.2280	-1.1650
.050	.0350	.2140	.2940	.2760	.1520
.150	.0360	.1500	.2300	.2040	.0560
.300	.0150	.0910	.1760	.1220	-.0210
.520	-.1240	-.0180	.1210	.0130	-.1570
.650	-.2870	.1380	.1470	-.0120	-.3570
.775	-.2300	.0450	.0650	-.0850	-.1780
.900		-.0490	-.0070	-.1580	-.1190

MACH (2) = .801 BETA (1) = -8.120

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0610	-.2990	-.7870	-.6210	-.4460
.050	-.3620	-.9750	-.9470	-.6010	-.4860
.150	-.4560	-.5730	-.9420	-.6090	-.4640
.300	-.4740	-.5350	-1.0560	-.6070	-.4340
.520	-.4060	-.3670	-.1720	-.5780	-.4170
.650	-.2850	-.2950	-.1030	-.5180	-.4060
.775	-.2790	-.2830	-.1330	-.4500	-.3790
.900		-.2830	-.1510	-.3700	-.2980

MACH (2) = .800 BETA (2) = -4.010

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.0770	-.0020	-.2640	-.0600	-.1410
.050	-.1820	-.6900	-.8400	-.4030	-.5980
.150	-.3270	-.5220	-.7390	-.3570	-.4980
.300	-.4280	-.5030	-.2980	-.3380	-.1490
.520	-.4110	-.3040	-.0730	-.2160	-.2190
.650	-.2790	-.1880	-.0280	-.1900	-.2860
.775	-.2700	-.1570	-.0900	-.1830	-.2390
.900		-.1940	-.1470	-.2190	-.2210

MACH (2) = .800 BETA (3) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3480	.1620	.0900	.2290	-.0250
.050	.3790	-.6690	-.4240	-.1230	-.1360
.150	-.4110	-.4020	-.1170	-.0610	-.1000
.300	-.4320	-.3550	-.0630	-.0640	-.1070
.520	-.3620	-.3040	-.0240	-.0650	-.1340
.650	-.3070	-.0070	.0220	-.0690	-.3660
.775	-.2660	-.1040	-.0640	-.1270	-.2980
.900		-.1660	-.1580	-.3090	-.2880

MACH (2) = .800 BETA (4) = 4.210

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0770	.0870	-.0650	-.2340	-.5660
.050	-.4800	-.2250	.0550	.1810	.0860
.150	-.3960	-.1720	.0410	.1040	-.0260
.300	-.2820	-.1740	.0360	.0380	-.0790

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2820	-.2030	.0440	-.0350	-.1240
.650	-.2930	.0580	.0810	-.0500	-.4300
.775	-.2320	-.0310	-.0190	-.1130	-.3580
.900		-.0920	-.1110	-.3180	-.2360

MACH (2) = .899 BETA (5) = 8.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0330	-.1040	-.3200	-.6570	-.8040
.050	-.2710	.0620	.2430	.2700	.1490
.150	-.1960	.0400	.1860	.1860	.0420
.300	-.0880	.0120	.1500	.1150	-.0300
.520	-.1590	-.1160	.1170	.0160	-.0890
.650	-.3250	.1410	.1370	-.0230	-.4600
.775	-.2390	.0510	.0400	-.0760	-.3500
.900		-.0240	-.0660	-.3010	-.2230

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR16) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8450 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0810	-.0650	-1.1530	-.7630	-.5800
.050	-.3190	-.0580	-.0190	-.6320	-.7100
.150	-.3680	-.5090	-.0770	-.6430	-.5020
.300	-.3650	-.4430	-.6130	-.5500	-.3330
.520	-.3840	-.3280	-.1550	-.1750	-.3300
.650	-.3140	-.1910	-.0850	-.1310	-.2750
.775	-.2880	-.2060	-.0870	-.1120	-.0870
.900		-.2200	-.0670	-.0910	-.0450

MACH (1) = .598 BETA (2) = -3.950

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3590	-.0420	-.3030	-.0390	-.0750
.050	-.2360	-.6160	-.5370	-.3550	-.4290
.150	-.2510	-.3240	-.3830	-.2770	-.1810
.300	-.2530	-.2880	-.1700	-.1200	-.1190
.520	-.3380	-.2660	-.0780	-.0710	-.1650
.650	-.3520	-.0800	-.0120	-.0490	-.2880
.775	-.2780	-.1240	-.0400	-.0660	-.1180
.900		-.1480	-.0460	-.1040	-.0220

MACH (1) = .601 BETA (3) = .100

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3820	.3030	.1650	.0750	-.1710
.050	-.2380	-.1960	-.1350	.0070	-.0340
.150	-.2210	-.1600	-.0450	-.0080	-.0520
.300	-.2020	-.1700	-.0310	-.0240	-.0800
.520	-.3060	-.2180	-.0040	-.0460	-.1360
.650	-.3770	-.0030	.0540	-.0440	-.3000
.775	-.2630	-.0710	-.0090	-.0970	-.2390
.900		-.1130	-.0630	-.1680	-.1790

MACH (1) = .597 BETA (4) = 4.200

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3880	-.0310	-.3890	-.7240	-1.0870
.050	-.2440	.0440	.1880	.2060	.0900
.150	-.1790	.0140	.1150	.1260	.0010
.300	-.1670	-.0330	.0880	.0600	-.0470
.520	-.2720	-.1100	.0670	-.0130	-.1450
.650	-.3700	.0870	.1070	-.0280	-.3430
.775	-.2680	.0140	.0430	-.0950	-.2590
.900		-.0490	-.0090	-.1710	-.1250

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .804 BETA (5) = 8.320

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1920	-.7200	-.9530	-1.3500	-1.0690
.050	-.2180	.1470	.2670	.2420	.1080
.150	-.1070	.1080	.2170	.1980	.0360
.300	-.0760	.0600	.1220	.1160	-.0300
.520	-.1940	-.0190	.1190	.0140	-.1510
.650	-.3020	.1360	.1570	-.0120	-.3330
.775	-.2800	.0680	.0820	-.0760	-.1650
.900		-.0320	.0140	-.1590	-.1450

MACH (2) = .898 BETA (1) = -8.080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.1900	-.3270	-.8380	-.7630	-.5830
.050	-.2130	-.4740	-.9610	-.6810	-.6590
.150	-.3310	-.4710	-.9930	-.7255	-.6470
.300	-.3910	-.4800	-.4180	-.7920	-.5540
.520	-.4090	-.4570	-.2790	-.5410	-.6020
.650	-.3520	-.2240	-.2750	-.3640	-.4820
.775	-.3320	-.2510	-.2870	-.2060	-.4210
.900		-.2700	-.2940	-.1810	-.3040

MACH (2) = .897 BETA (2) = -3.960

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.1130	-.0390	-.1840	-.1010	-.2250
.050	-.0830	-.3040	-.7080	-.4960	-.6380
.150	-.2270	-.3660	-.4020	-.4620	-.5670
.300	-.3240	-.4140	-.1980	-.2890	-.1690
.520	-.3910	-.2810	-.1370	-.1400	-.2340
.650	-.3280	-.0680	-.1100	-.1320	-.3390
.775	-.3010	-.1470	-.1750	-.1810	-.3540
.900		-.2080	-.2380	-.3270	-.3160

MACH (2) = .897 BETA (3) = .090

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.4450	.2060	.1440	.1610	-.0840
.050	-.5320	-.8970	-.2110	-.1090	-.1470
.150	-.4710	-.5440	-.0840	-.0670	-.1240
.300	-.5480	-.4210	-.0640	-.0830	-.1370
.520	-.3830	-.2880	-.0290	-.0970	-.1710
.650	-.3630	-.0120	.0100	-.1090	-.4210
.775	-.3120	-.1240	-.0790	-.1630	-.3640
.900		-.1930	-.1870	-.3630	-.3690

MACH (2) = .896 BETA (4) = 4.240

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1160	-.2660	.0060	-.2370	-.6150
.050	-1.1050	-.9260	.0680	.1560	.0520
.150	-.5120	-.6470	.0600	.0840	-.0500
.300	-.4550	-.3230	.0390	.0210	-.0990

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR16)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (4) = 4.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.3450	-.2610	.0320	-.0470	-.1290
.650	-.3470	-.1770	.0950	-.0590	-.4160
.775	-.3120	-.2000	.0120	-.1090	-.3500
.900		-.2530	-.0970	-.3340	-.3170

MACH (2) = .899 BETA (5) = 8.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1070	-.3330	-.3810	-.7680	-.8080
.050	-.6560	-.5570	.2170	.2270	.1100
.150	-.5570	-.2270	.1710	.1650	.0240
.300	-.3580	-.0980	.1280	.0970	-.0420
.520	-.2820	-.1260	.0940	-.0060	-.1070
.650	-.3300	.0590	.1260	-.0390	-.4720
.775	-.2800	.0190	.0270	-.0790	-.3860
.900		-.0530	-.0770	-.3140	-.2490

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR17) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 30.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) =-10.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.7490	-1.6820	-1.2310	-1.0420	-.6790
.050	-.8170	-1.2630	-.9170	-.8380	-1.1960
.150	-.5800	-1.3640	-.8490	-.7940	-1.2290
.300	-.4930	-.5340	-.6740	-.7190	-.7130
.520	-.4540	-.3940	-.5730	-.5790	-.3870
.650	-.3810	-.3380	-.4950	-.4470	-.4090
.775	-.3110	-.2780	-.3880	-.3810	-.3190
.900		-.2840	-.2710	-.2520	-.2600

MACH (1) = .598 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4390	.4090	.3350	.4060	.2480
.050	-.1020	-.2430	-.2410	-.2610	-.2290
.150	-.1180	-.1360	-.1800	-.1730	-.1690
.300	-.1300	-.1690	-.1760	-.2140	-.1910
.520	-.2460	-.3690	-.3850	-.3430	-.3140
.650	-.2890	-.4460	-.4850	-.4120	-.4540
.775	-.2360	-.2480	-.2370	-.2210	-.1420
.900		-.1940	-.1250	-.0850	-.0440

MACH (1) = .600 BETA (3) = 10.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-1.0010	-.8560	-.4050	-.6090	-.6850
.050	.3340	.3920	.3950	.3850	.2690
.150	.2540	.2590	.2590	.2230	.1560
.300	.1640	.1260	.1330	.0770	.0340
.520	-.0800	-.1790	-.1940	-.1880	-.1740
.650	-.3080	-.3500	-.3040	-.3010	-.3160
.775	-.2340	-.2290	-.1630	-.1460	-.1420
.900		-.2080	-.1620	-.1450	-.1350

MACH (2) = .801 BETA (1) =-10.120

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0380	-.4420	-.6040	-.4260	-.2280
.050	-.4860	-1.1520	-1.1820	-.7390	-.6250
.150	-.4810	-1.2240	-1.0880	-.7070	-.6040
.300	-.5420	-.5810	-1.0940	-.6630	-.5700
.520	-.5330	-.4470	-.9230	-.6140	-.5000
.650	-.3470	-.3680	-.8470	-.5490	-.4660
.775	-.3500	-.3520	-.7920	-.5270	-.4410
.900		-.3310	-.4790	-.5000	-.4290

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPR17)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3800	.3120	.3140	.4020	.1920
.050	-.1640	-.4670	-.3540	-.3520	-.3780
.150	-.2360	-.1890	-.1710	-.1900	-.2060
.300	-.2060	-.1970	-.1960	-.2360	-.2390
.520	-.2550	-.3490	-.3250	-.3370	-.3550
.650	-.3010	-.5190	-1.1560	-.4060	-.5280
.775	-.2620	-.3220	-.5090	-.3120	-.2050
.900		-.2810	-.2380	-.2550	-.1330

MACH (2) = .803 BETA (3) = 10.490

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1370	-.0770	-.0590	-.1960	-.4640
.050	.2770	.3610	.3630	.3340	.2200
.150	.2370	.2570	.2370	.1820	.0570
.300	.1840	.1490	.1040	.0210	-.0840
.520	-.0140	-.1360	-.2300	-.2770	-.3070
.650	-.3610	-.6600	-1.0410	-1.0710	-1.0410
.775	-.2770	-.3230	-.3030	-.4760	-.5080
.900		-.2730	-.2960	-.4570	-.3130

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR18) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.6680	-1.7780	-1.2880	-1.1910	-.8080
.050	-.7190	-1.3210	-.9310	-.8820	-1.1410
.150	-.6050	-1.2180	-.8530	-.8530	-1.1740
.300	-.4940	-.4490	-.7290	-.8670	-.6270
.520	-.4160	-.4150	-.6200	-.6180	-.4600
.650	-.2910	-.3810	-.5100	-.4560	-.4370
.775	-.3490	-.3190	-.3890	-.3750	-.3330
.900		-.2800	-.2720	-.2530	-.2560

MACH (1) = .598 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3630	.3580	.2690	.3320	.1630
.050	-.1430	-.2310	-.2430	-.2530	-.2500
.150	-.1470	-.1470	-.1570	-.1700	-.1640
.300	-.1480	-.1770	-.2030	-.2080	-.1820
.520	-.2520	-.3580	-.3920	-.3450	-.3150
.650	-.2650	-.4310	-.4770	-.3970	-.4320
.775	-.2210	-.2480	-.2310	-.2020	-.1280
.900		-.1580	-.1280	-.0770	-.0350

MACH (1) = .598 BETA (3) = 10.[illegible]

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.7930	-.9950	-.5310	-.7850	-.9380
.050	.2230	.3350	.3460	.3440	.2370
.150	.1830	.2190	.2250	.2040	.1060
.300	.1180	.0960	.0960	.0580	-.0070
.520	-.0890	-.1990	-.2000	-.1950	-.1770
.650	-.3090	-.3420	-.3010	-.2890	-.2980
.775	-.2430	-.2220	-.1680	-.1420	-.1410
.900		-.1960	-.1470	-.1340	-.1310

MACH (2) = .899 BETA (1) =-10.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0170	-.4650	-.7160	-.5810	-.3540
.050	-.5280	-1.1790	-1.1780	-.7010	-.5910
.150	-.5260	-1.2190	-1.0680	-.6690	-.5820
.300	-.5740	-.5850	-1.1080	-.6400	-.5560
.520	-.4760	-.4060	-1.0050	-.5990	-.5050
.650	-.3030	-.3450	-.8370	-.5560	-.4680
.775	-.3340	-.3540	-.4090	-.5470	-.4590
.900		-.3530	-.2320	-.5180	-.4280

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPR18)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2680	.2210	.2350	.3270	.1120
.050	-.2480	-.6000	-.3190	-.3080	-.3550
.150	-.3430	-.3610	-.1580	-.1990	-.2300
.300	-.3550	-.2450	-.1830	-.2570	-.2640
.520	-.2850	-.3270	-.3520	-.3710	-.3780
.650	-.2430	-.4100	-1.0020	-.4200	-.3980
.775	-.2350	-.2840	-.4520	-.3080	-.2010
.900		-.2740	-.1830	-.2490	-.1260

MACH (2) = .895 BETA (3) = 10.420

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0460	-.1320	-.1850	-.3400	-.5730
.050	.1380	.2890	.3110	.2870	.1680
.150	.1330	.2080	.1910	.1470	.0490
.300	.1180	.1140	.0750	-.0490	-.1300
.520	-.0460	-.1500	-.2460	-.2980	-.3400
.650	-.3610	-.5870	-.9570	-.9830	-1.0180
.775	-.2800	-.3170	-.3000	-.4520	-.3690
.900		-.2930	-.3170	-.4240	-.3170

AMES 11-707 OA12 OPA RIGHT VERTICAL (RDPR19) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.110

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.5450	-1.0250	-1.3000	-1.2240	-.9250
.050	-.6830	-1.3810	-.9600	-.9150	-1.0450
.150	-.8080	-.8440	-.8920	-.9120	-1.0110
.300	-.4950	-.4620	-.8370	-1.0110	-.6180
.520	-.4020	-.4310	-.6450	-.5860	-.5020
.650	-.2800	-.3790	-.5120	-.4160	-.4450
.775	-.3220	-.3330	-.3770	-.3430	-.3660
.900		-.2990	-.2590	-.2230	-.2980

MACH (1) = .597 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3130	.3140	.2080	.2630	.0920
.050	-.1920	-.2010	-.2840	-.2640	-.2490
.150	-.1900	-.1780	-.1840	-.1750	-.1730
.300	-.1820	-.2060	-.1910	-.2130	-.1910
.520	-.2690	-.3670	-.3670	-.3400	-.3020
.650	-.2650	-.4300	-.4540	-.3860	-.4120
.775	-.2350	-.2580	-.2400	-.1990	-.1170
.900		-.2170	-.1390	-.0820	-.0280

MACH (1) = .599 BETA (3) = 10.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.5210	-1.1110	-.7020	-.8860	-.9720
.050	.1370	.2880	.3030	.2940	.1870
.150	.1150	.1840	.1940	.1710	.0670
.300	.0840	.0720	.0740	.0390	-.0280
.520	-.1130	-.2000	-.2090	-.1830	-.1770
.650	-.3330	-.3440	-.2870	-.2790	-.2950
.775	-.2570	-.2380	-.1740	-.1540	-.1530
.900		-.2250	-.1470	-.1450	-.1300

MACH (2) = .804 BETA (1) =-10.210

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1070	-.4780	-.8780	-.7990	-.5110
.050	-.5130	-1.1350	-1.0260	-.8500	-.5970
.150	-.5040	-.7840	-1.0080	-.7710	-.5860
.300	-.5280	-.6000	-1.1700	-.7070	-.5650
.520	-.4490	-.4420	-.8500	-.6490	-.5460
.650	-.2880	-.3410	-.4460	-.5830	-.4940
.775	-.3150	-.3640	-.3160	-.5850	-.4560
.900		-.3740	-.2820	-.5020	-.4320

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR19)

SECTION (1)RIGHT VERTICAL DEPENDENT TABLE CP

MACH (2) = .698 BETA (2) = .090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2500	.1680	.1440	.2090	-.0110
.050	-.3020	-.4730	-.3840	-.3230	-.3420
.150	-.3640	-.2590	-.2300	-.2170	-.2600
.300	-.2930	-.2590	-.2390	-.2780	-.2990
.520	-.3000	-.3910	-.3720	-.3990	-.4190
.650	-.2830	-.4570	-.9660	-.5230	-.3640
.775	-.2670	-.3430	-.4630	-.3960	-.2240
.900		-.3270	-.2410	-.3110	-.1480

MACH (2) = .897 BETA (3) = 10.390

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0150	-.2060	-.3380	-.5250	-.6450
.050	-.0040	.2100	.2460	.2390	.1220
.150	.0460	.1480	.1440	.1080	-.0250
.300	.0640	.0670	.0350	-.0270	-.1440
.520	-.0840	-.1780	-.2610	-.3070	-.3450
.650	-.3750	-.5450	-.5870	-.7060	-.8200
.775	-.2830	-.3060	-.3030	-.4120	-.2990
.900		-.2900	-.3050	-.3640	-.2620

AMES 11-7U7 OA12 OEA RIGHT VERTICAL (RBPR2U) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.3300 INCHES		
LREF =	39.0490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.0490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

PARAMETRIC DATA

ALPHA =	15.000	RUDDER =	.000
ELEVON =	10.000	RUDFLR =	.000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3350	-1.7670	-1.4180	-1.0040	-.7840
.050	-.6190	-1.4200	-1.1640	-.7610	-.6600
.150	-.5890	-.6660	-1.2180	-.7570	-.6220
.300	-.5010	-.5140	-1.2790	-.7450	-.5320
.520	-.4070	-.4780	-.4400	-.6570	-.4560
.650	-.2920	-.4170	-.3850	-.5170	-.4150
.775	-.3200	-.3920	-.2490	-.5010	-.3720
.900		-.3490	-.1590	-.4260	-.3590

MACH (1) = .599 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3070	.2730	.1540	.2070	.0310
.050	-.2330	-.2310	-.3240	-.2540	-.2450
.150	-.2230	-.2050	-.1970	-.1810	-.1790
.300	-.2090	-.2320	-.2070	-.2180	-.1910
.520	-.3060	-.4020	-.3810	-.3340	-.2910
.650	-.3110	-.4840	-.4650	-.3740	-.3070
.775	-.2830	-.2960	-.2540	-.1960	-.1150
.900		-.2470	-.1500	-.0800	-.0300

MACH (1) = .599 BETA (3) = 10.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2730	-1.1570	-.8390	-.9560	-.9220
.050	.0490	.2310	.2660	.2570	.1490
.150	.0440	.1470	.1760	.1510	.0430
.300	.0310	.0490	.0640	.0370	-.0490
.520	-.1430	-.2080	-.1910	-.1840	-.1760
.650	-.3440	-.3520	-.2780	-.2830	-.2760
.775	-.2730	-.2480	-.1790	-.1500	-.1610
.900		-.2500	-.1520	-.1670	-.1530

MACH (2) = .802 BETA (1) =-10.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0920	-.4410	-.9620	-.9480	-.6140
.050	-.4570	-1.1270	-1.0560	-.9250	-.6140
.150	-.5520	-.6400	-1.1170	-.8790	-.5890
.300	-.5790	-.5910	-1.2100	-.8230	-.5710
.520	-.4480	-.5040	-.5300	-.7490	-.5390
.650	-.3320	-.4050	-.4090	-.6490	-.4920
.775	-.3530	-.4110	-.3230	-.5800	-.4950
.900		-.4180	-.2870	-.4310	-.4610

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR2D)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3510	.1590	.0020	.1860	-.0280
.050	-.3790	-.6940	-.5170	-.3190	-.3620
.150	-.4300	-.4160	-.3150	-.2160	-.2600
.300	-.4390	-.3670	-.3360	-.2710	-.2910
.520	-.3740	-.4310	-.3790	-.3960	-.4280
.650	-.3200	-.4970	-.8330	-.6680	-.4630
.775	-.3000	-.4110	-.4450	-.4420	-.2530
.900		-.3560	-.3040	-.2440	-.1520

MACH (2) = .902 BETA (3) = 10.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0290	-.1750	-.4050	-.6530	-.7130
.050	-.2310	.0810	.1960	.1840	.0860
.150	-.1740	.0460	.0950	.0740	-.0430
.300	-.0860	.0040	-.0010	-.0410	-.1520
.520	-.1750	-.1950	-.2720	-.3230	-.3380
.650	-.3840	-.5790	-.5300	-.5380	-.7100
.775	-.2860	-.3030	-.3030	-.3840	-.2380
.900		-.2920	-.3170	-.2770	-.2320

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR21) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) =-10.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0030	-1.6810	-1.4540	-.7550	-.6220
.050	-.5120	-1.4000	-1.3650	-.6700	-.4760
.150	-.5460	-.5720	-1.5810	-.6780	-.4960
.300	-.5050	-.5900	-1.4270	-.7320	-.5[illegible]
.520	-.4610	-.5720	-.3050	-.6680	-.5[illegible]
.650	-.3470	-.4920	-.3640	-.5850	-.4620
.775	-.3470	-.4300	-.2270	-.5260	-.4450
.900		-.4180	-.1730	-.4250	-.4070

MACH (1) = .601 BETA (2) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3670	.2830	.1220	.1680	-.0030
.050	-.2830	-.2490	-.3310	-.2800	-.2520
.150	-.2650	-.2250	-.2040	-.1950	-.1840
.300	-.2490	-.2510	-.2480	-.2210	-.1970
.520	-.3490	-.4400	-.4230	-.3250	-.2870
.650	-.3660	-.5450	-.5060	-.3680	-.3690
.775	-.3180	-.3350	-.2670	-.2010	-.1130
.900		-.2710	-.1670	-.0830	-.0310

MACH (1) = .598 BETA (3) = 10.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0060	-1.0970	-.9920	-1.0350	-.8420
.050	-.1280	.1700	.2350	.2350	.1320
.150	-.0420	.1170	.1660	.1590	.0380
.300	-.0460	.0410	.0760	.0470	-.0400
.520	-.1880	-.1950	-.1610	-.1470	-.1500
.650	-.3990	-.3450	-.2510	-.2430	-.2550
.775	-.2990	-.2560	-.1560	-.1220	-.1530
.900		-.2510	-.1360	-.1550	-.1740

MACH (2) = .902 BETA (1) =-10.100

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0630	-.2810	-1.0000	-.[illegible]040	-.7950
.050	-.3030	-.5880	-1.0190	-1.1150	-.8600
.150	-.4340	-.5250	-1.1620	-1.1610	-.7980
.300	-.4680	-.5130	-.7300	-1.1060	-.7240
.520	-.4530	-.5830	-.7030	-.8700	-.6570
.650	-.4290	-.5860	-.6520	-.6400	-.5880
.775	-.4310	-.5280	-.5020	-.4130	-.5130
.900		-.5280	-.3670	-.2700	-.4040

AMES 11-707 OA12 02A RIGHT VERTICAL (RBPR21)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .894 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4490	.2170	-.1070	.1720	-.0690
.050	-.5310	-.9140	-.5790	-.2500	-.3100
.150	-.4920	-.5410	-.3990	-.1970	-.2660
.300	-.5490	-.4570	-.1690	-.2620	-.3190
.520	-.4500	-.5090	-.3360	-.4280	-.4680
.650	-.4130	-.6410	-1.0670	-.8730	-.5370
.775	-.3900	-.4310	-.5430	-.5130	-.3350
.900		-.4230	-.3890	-.3060	-.2080

MACH (2) = .901 BETA (3) = 10.420

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0360	-.2790	-.4950	-.7850	-.9350
.050	-.5770	-.3470	.1290	.1350	.0300
.150	-.5650	-.1950	.0660	.0390	-.0960
.300	-.3580	-.1320	-.0290	-.0730	-.2150
.520	-.3160	-.2550	-.3020	-.3460	-.3680
.650	-.4310	-.5160	-.4810	-.4810	-.5770
.775	-.3560	-.2530	-.3650	-.3410	-.2480
.900		-.3640	-.3600	-.2240	-.2030

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -7.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3830	-1.0310	-.9580	-.7520	-.4690
.050	-.5390	-.9270	-.7830	-.7470	-1.0310
.150	-.3680	-.8520	-.7080	-.6850	-.9290
.300	-.3230	-.3400	-.6270	-.5610	-.5500
.520	-.3400	-.3130	-.5000	-.4160	-.2910
.650	-.2770	-.2690	-.4300	-.3430	-.3730
.775	-.2330	-.2190	-.2810	-.2860	-.1810
.900		-.2270	-.1600	-.1460	-.1370

MACH (1) = .595 BETA (2) = -3.940

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2320	-.0460	-.1760	-.0360	.0650
.050	-.3250	-.6590	-.6250	-.6740	-.7550
.150	-.2080	-.2840	-.4280	-.4110	-.3460
.300	-.1780	-.2330	-.3140	-.3240	-.2670
.520	-.2250	-.3260	-.4060	-.3630	-.3340
.650	-.1880	-.3230	-.4610	-.3800	-.4390
.775	-.1970	-.2210	-.2130	-.2470	-.1230
.900		-.1950	-.0950	-.0630	-.0240

MACH (1) = .597 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4700	.4320	.3410	.4690	.2510
.050	-.0550	-.1910	-.1870	-.2170	-.2250
.150	-.0550	-.0760	-.1160	-.1370	-.1260
.300	-.0680	-.1160	-.1600	-.1780	-.1560
.520	-.1840	-.2960	-.3550	-.3220	-.2900
.650	-.2250	-.3800	-.4510	-.3820	-.4250
.775	-.1800	-.2120	-.2040	-.1870	-.1060
.900		-.1560	-.0840	-.0570	-.0090

MACH (1) = .598 BETA (4) = 4.800

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1680	.2000	.1680	.0850	-.2020
.050	.1530	.1700	.1790	.1660	.1150
.150	.1090	.1010	.0820	.0590	.0250
.300	.0570	.0070	-.0220	-.0430	-.0590
.520	-.1170	-.2230	-.2670	-.2530	-.2300
.650	-.2580	-.3440	-.3790	-.3330	-.3900
.775	-.1380	-.1950	-.1680	-.1200	-.0920
.900		-.1560	-.0900	-.0440	-.0220

AMES 11-7ft OA12 OEA RIGHT VERTICAL (RBPR22)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .997 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5700	-.5240	-.2530	-.4110	-.7830
.050	.3230	.3590	.3570	.3400	.2540
.150	.2430	.2380	.2230	.1970	.1160
.300	.1640	.1200	.0910	.0490	.0050
.520	-.0430	-.1520	-.2060	-.1970	-.1700
.650	-.2320	-.3130	-.3050	-.2810	-.3080
.775	-.1660	-.1950	-.1510	-.1230	-.1110
.900		-.1780	-.1100	-.0880	-.0730

MACH (2) = .904 BETA (1) = -8.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0530	-.2950	-.4790	-.3280	-.1560
.050	-.5090	-1.0770	-1.1140	-.7010	-.5630
.150	-.4080	-1.1040	-.9320	-.6740	-.5590
.300	-.4870	-.5260	-.9100	-.6160	-.5560
.520	-.4130	-.3480	-.8240	-.5470	-.5010
.650	-.2780	-.2700	-.7470	-.5210	-.4290
.775	-.2870	-.2570	-.6340	-.4520	-.3630
.900		-.2550	-.3650	-.3920	-.3300

MACH (2) = .902 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3770	.1620	.0230	.1360	.0750
.050	-.3770	-.9440	-.6950	-.9960	-1.0590
.150	-.3110	-.5810	-.5150	-.5760	-.8510
.300	-.3200	-.1940	-.4630	-.5140	-.4790
.520	-.2380	-.3280	-.4640	-.4500	-.3710
.650	-.2250	-.3970	-.7280	-.3710	-.5140
.775	-.2100	-.3010	-.4110	-.2310	-.1640
.900		-.2670	-.2400	-.1430	-.0690

MACH (2) = .900 BETA (3) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4270	.3820	.3450	.3970	.1890
.050	-.0950	-.2620	-.2570	-.2850	-.3380
.150	-.1060	-.0730	-.1000	-.1600	-.1930
.300	-.0680	-.0960	-.1460	-.2140	-.2300
.520	-.1600	-.2700	-.3040	-.3290	-.3470
.650	-.2570	-.4960	-1.1300	-.3880	-.4670
.775	-.2090	-.2920	-.4890	-.2970	-.1850
.900		-.2600	-.1820	-.2330	-.1190

MACH (2) = .899 BETA (4) = 4.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3200	.3230	.2380	.1670	-.1160
.050	.1440	.1640	.1850	.1550	.0570
.150	.1030	.1190	.1000	.0480	-.0600
.300	.0760	.0480	.0030	-.0850	-.1750

AMES 11-707 OA12 CRA RIGHT VERTICAL (RBPR22)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .800 BETA (4) = 4.250

Z/BV	.156	.316	.600	.840	.925
X/CV					
.520	-.0690	-.1620	-.2480	-.3170	-.3330
.650	-.3040	-.5480	-1.0910	-1.0820	-1.0170
.775	-.1690	-.2820	-.3640	-.4580	-.2500
.900		-.2460	-.1820	-.2690	-.0660

MACH (2) = .900 BETA (5) = 8.410

Z/BV	.156	.316	.600	.840	.925
X/CV					
.000	-.0570	.0020	-.1240	-.1300	-.3690
.050	.3000	.3570	.3450	.3130	.1960
.150	.2520	.2600	.2210	.1690	.0410
.300	.2000	.1560	.0960	.0050	-.0990
.520	.0060	-.1280	-.2270	-.2780	-.3020
.650	-.2890	-.4490	-.9670	-1.0450	-1.0320
.775	-.2130	-.2750	-.2970	-.4580	-.2940
.900		-.2550	-.2190	-.3550	-.2340

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR23) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .350 BETA (1) = -8.030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3510	-1.1160	-1.0430	-.9000	-.6090
.050	-.5060	-.9690	-.7790	-.7540	-1.0400
.150	-.4020	-.7020	-.7340	-.7070	-1.0280
.300	-.3150	-.3230	-.7820	-.6470	-.4250
.520	-.3100	-.3220	-.4620	-.4580	-.2790
.650	-.2360	-.3130	-.4010	-.3480	-.3220
.775	-.2760	-.2530	-.2570	-.2790	-.2260
.900		-.2320	-.1420	-.1460	-.1490

MACH (1) = .500 BETA (2) = -3.970

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1410	-.0840	-.2350	-.1210	-.0530
.050	-.2600	-.6590	-.5950	-.5940	-.7560
.150	-.2200	-.2790	-.4460	-.4270	-.3560
.300	-.2060	-.2280	-.3100	-.3230	-.2520
.520	-.2270	-.3010	-.3820	-.3390	-.3030
.650	-.1800	-.2860	-.4300	-.3550	-.3890
.775	-.1940	-.2060	-.2460	-.2210	-.1040
.900		-.1950	-.1040	-.0650	-.0220

MACH (1) = .900 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3830	.3830	.2750	.3330	.1730
.050	-.0920	-.1750	-.2160	-.2170	-.2290
.150	-.0850	-.0930	-.1210	-.1410	-.1360
.300	-.0890	-.1280	-.1670	-.1780	-.1570
.520	-.1870	-.2930	-.3460	-.3080	-.2770
.650	-.2210	-.3760	-.4330	-.3540	-.3890
.775	-.1700	-.2130	-.2000	-.1700	-.0970
.900		-.1620	-.0990	-.0560	-.0490

MACH (1) = .990 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0740	.1190	.0650	-.0220	-.3140
.050	.0940	.1390	.1520	.1450	.0940
.150	.0580	.0770	.0620	.0470	-.0420
.300	.0180	-.0020	-.0390	-.0560	-.0830
.520	-.1180	-.2220	-.2730	-.2460	-.2240
.650	-.2340	-.3430	-.3690	-.3150	-.3370
.775	-.1360	-.2080	-.1750	-.1280	-.0930
.900		-.1820	-.1070	-.0550	-.0230

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR23)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .996 BETA (5) = 0.250

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	-.4540	-.6180	-.3820	-.5470	-.8820
.050	.2310	.3080	.3130	.3030	.2060
.150	.1830	.2020	.1920	.1670	.0820
.300	.1230	.0980	.0790	.0380	-.0250
.520	-.0590	-.1630	-.1910	-.1930	-.1680
.650	-.2530	-.3070	-.2870	-.2680	-.2850
.775	-.1700	-.1890	-.1470	-.1190	-.1020
.900		-.1720	-.1010	-.0910	-.0640

MACH (2) = .903 BETA (1) = -0.140

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.0780	-.3590	-.6330	-.4660	-.2600
.050	-.4550	-1.1160	-1.0470	-.6200	-.5180
.150	-.4480	-1.1340	-.9060	-.5900	-.5080
.300	-.5120	-.5180	-.9720	-.5680	-.5130
.520	-.3780	-.3350	-.8730	-.5380	-.4910
.650	-.2500	-.2780	-.6310	-.5280	-.4240
.775	-.2600	-.2790	-.3150	-.4630	-.3690
.900		-.2770	-.1550	-.4030	-.3230

MACH (2) = .902 BETA (2) = -4.090

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.1780	.0780	-.0700	.0400	-.0400
.050	-.2690	-.9410	-.6440	-.8110	-1.1090
.150	-.3430	-.4790	-.5270	-.5820	-.6780
.300	-.3690	-.2570	-.4680	-.5640	-.4540
.520	-.2500	-.3190	-.4500	-.4950	-.3940
.650	-.2020	-.3320	-.6420	-.3990	-.3570
.775	-.2050	-.2550	-.3980	-.2920	-.1190
.900		-.2460	-.2200	-.1310	-.0380

MACH (2) = .901 BETA (3) = .080

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.3050	.3460	.2630	.3190	.1030
.050	-.1820	-.2980	-.2630	-.2810	-.3400
.150	-.1940	-.1120	-.1180	-.1810	-.2190
.300	-.1210	-.1170	-.1650	-.2410	-.2500
.520	-.1750	-.2800	-.3350	-.3640	-.3570
.650	-.2290	-.4450	-.9890	-.3660	-.3640
.775	-.1930	-.2690	-.4170	-.2710	-.1600
.900		-.2320	-.1390	-.1940	-.0860

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.150	.316	.600	.840	.925
X/CV					
.000	.1450	.2390	.1320	.0560	-.2360
.050	-.0050	.0790	.1540	.1310	.0280
.150	-.0020	.0570	.0690	.0210	-.0990
.300	.0050	.0040	-.0310	-.1110	-.2090

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR23)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .903 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1070	-.2030	-.2790	-.3380	-.3540
.650	-.2590	-.4530	-1.0400	-.9020	-.8340
.775	-.1770	-.2760	-.3400	-.3990	-.2470
.900		-.2480	-.2090	-.1760	-.0770

MACH (2) = .901 BETA (5) = 8.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0000	-.0850	-.1420	-.2370	-.4410
.050	.1840	.2850	.2970	.2760	.1650
.150	.1610	.2080	.1840	.1420	.0160
.300	.1340	.1180	.0650	-.0120	-.1160
.520	-.0240	-.1390	-.2420	-.2920	-.3090
.650	-.2880	-.4100	-.6600	-.8020	-.9050
.775	-.2130	-.2570	-.3020	-.3640	-.2930
.900		-.2280	-.2190	-.3160	-.2400

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR24) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -8.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.2760	-1.1530	-1.1660	-1.0410	-.7650
.050	-.4590	-1.0440	-.7920	-.8060	-1.0300
.150	-.4110	-.5210	-.7850	-.7990	-.9680
.300	-.3320	-.3500	-.9110	-.8360	-.6050
.520	-.2800	-.3540	-.3950	-.4040	-.3620
.650	-.1990	-.3450	-.3630	-.3120	-.3380
.775	-.2440	-.2810	-.2210	-.2270	-.2260
.900		-.2530	-.1310	-.1280	-.1470

MACH (1) = .598 BETA (2) = -3.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1980	-.1750	-.3370	-.2650	-.1870
.050	-.2410	-.7070	-.5910	-.5930	-.7460
.150	-.2400	-.2880	-.5140	-.4860	-.4890
.300	-.2180	-.2520	-.3440	-.3610	-.2410
.520	-.2320	-.3180	-.3780	-.3270	-.2810
.650	-.1950	-.3180	-.4120	-.3380	-.3390
.775	-.1780	-.2270	-.2060	-.2120	-.1190
.900		-.2210	-.1080	-.0700	-.0410

MACH (1) = .600 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3450	.3440	.2200	.2680	.1040
.050	-.1180	-.1380	-.2430	-.2330	-.2110
.150	-.1110	-.1150	-.1310	-.1440	-.1410
.300	-.1090	-.1350	-.1770	-.1740	-.1550
.520	-.1950	-.2910	-.3350	-.2870	-.2560
.650	-.2080	-.3510	-.4230	-.3400	-.3540
.775	-.1720	-.2080	-.2000	-.1640	-.0870
.900		-.1720	-.1070	-.0520	-.0020

MACH (1) = .596 BETA (4) = 4.150

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1050	.0560	-.0230	-.1230	-.4130
.050	-.0070	.1140	.1330	.1320	.0700
.150	.0020	.0530	.0500	.0360	-.0180
.300	-.0210	-.0150	-.0410	-.0670	-.0930
.520	-.1370	-.2250	-.2550	-.2340	-.2140
.650	-.2340	-.3460	-.3510	-.2930	-.3090
.775	-.1450	-.2110	-.1750	-.1260	-.0910
.900		-.1890	-.1080	-.0550	-.0230

AMES 11-7ft OA12 02A RIGHT VERTICAL (RBPR24)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2310	-.6760	-.4910	-.6760	-.9330
.050	.1400	.2710	.2810	.2730	.1690
.150	.1180	.1740	.1720	.1490	.0550
.300	.0880	.0780	.0550	.0250	-.0330
.520	-.0710	-.1550	-.1870	-.1770	-.1600
.650	-.2560	-.2990	-.2740	-.2440	-.2630
.775	-.1740	-.1680	-.1450	-.1170	-.1080
.900		-.1790	-.1030	-.0890	-.0700

MACH (2) = .900 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1360	-.3390	-.7380	-.6460	-.4320
.050	-.3820	-1.0790	-.9380	-.7380	-.6260
.140	-.4130	-.6230	-.8950	-.7170	-.5850
.300	-.4750	-.5250	-1.0250	-.6950	-.5370
.520	-.3550	-.3570	-.5020	-.5750	-.4470
.650	-.2350	-.2890	-.3850	-.4960	-.4250
.775	-.2570	-.3070	-.2320	-.4520	-.3050
.900		-.3040	-.1660	-.3750	-.2850

MACH (2) = .900 BETA (2) = -4.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1170	.0100	-.2230	-.1040	-.1580
.050	-.2450	-.8550	-.6440	- 7570	-1.0050
.150	-.3300	-.4360	-.5660	-.5910	-.8760
.300	-.3750	-.3500	-.5130	-.6410	-.4170
.520	-.2860	-.3280	-.4270	-.4630	-.2900
.650	-.2140	-.3200	-.5590	-.3430	-.3280
.775	-.2140	-.2770	-.3140	-.1830	-.0750
.900		-.2790	-.1790	-.0790	-.0190

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2620	.2160	.2060	.2290	.1220
.050	-.2650	-.3620	-.3020	-.3020	-.3540
.150	-.2860	-.1740	-.1520	-.2060	-.2390
.300	-.2010	-.1690	-.1830	-.2520	-.2720
.520	-.2070	-.2980	-.3400	-.3620	-.3670
.650	-.2230	-.4160	-.8200	-.3650	-.3450
.775	-.1930	-.2650	-.3570	-.2580	-.1300
.900		-.2490	-.1440	-.1760	-.0500

MACH (2) = .902 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1190	.1680	.0150	-.0450	-.3460
.050	-.1840	.0100	.1160	.0890	-.0080
.150	-.1310	.0060	.0360	-.0140	-.1290
.300	-.0760	-.0350	-.0590	-.1390	-.2260

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR24)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9U2 BETA (4) = 4.19U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.141U	-.217U	-.3UUU	-.355U	-.327U
.65U	-.265U	-.448U	-.745U	-.536U	-.461U
.775	-.183U	-.265U	-.3U6U	-.349U	-.183U
.9UU		-.227U	-.2UUU	-.1U6U	-.U58U

MACH (2) = .9U4 BETA (5) = 8.33U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.1UU	.U22U	-.U97U	-.283U	-.433U	-.654U
.U5U	.U4U	.2U9U	.231U	.2U4U	.1U6U
.15U	.U53U	.147U	.129U	.U88U	-.U35U
.3UU	.U7UU	.U7UU	.U21U	-.U43U	-.157U
.52U	-.U71U	-.164U	-.242U	-.314U	-.33UU
.65U	-.32UU	-.432U	-.558U	-.613U	-.535U
.775	-.227U	-.266U	-.311U	-.269U	-.184U
.9UU		-.244U	-.236U	-.178U	-.173U

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR25) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0140	-1.1080	-1.2250	-1.1350	-.8820
.050	-.4080	-1.1010	-.8210	-.8360	-1.0170
.150	-.3890	-.4650	-.9120	-.8800	-.8480
.300	-.3490	-.3940	-.8930	-.8940	-.4580
.520	-.3150	-.3890	-.3770	-.3280	-.3900
.650	-.2340	-.3780	-.3750	-.2860	-.3550
.775	-.2400	-.3190	-.2060	-.1920	-.2440
.900		-.2900	-.1300	-.1220	-.1610

MACH (1) = .598 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3160	-.1610	-.4100	-.3550	-.2700
.050	-.2270	-.7420	-.6090	-.5790	-.7500
.150	-.2370	-.3070	-.5680	-.5100	-.4830
.300	-.2260	-.2840	-.3330	-.3550	-.2320
.520	-.2680	-.3670	-.3900	-.3010	-.2660
.650	-.2410	-.3860	-.4210	-.3190	-.3040
.775	-.2280	-.2650	-.2090	-.1970	-.1260
.900		-.2530	-.1110	-.0580	-.0440

MACH (1) = .597 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3430	.3060	.1740	.2180	.0440
.050	-.1550	-.1590	-.2630	-.2360	-.2120
.150	-.1470	-.1340	-.1450	-.1460	-.1440
.300	-.1420	-.1640	-.1820	-.1710	-.1530
.520	-.2380	-.3300	-.3420	-.2770	-.2460
.650	-.2570	-.4110	-.4180	-.3140	-.3270
.775	-.2160	-.2390	-.2040	-.1550	-.0770
.900		-.1900	-.1110	-.0500	.0040

MACH (1) = .601 BETA (4) = 4.160

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3070	.0130	-.1300	-.2340	-.5150
.050	-.1190	.0620	.1150	.1160	.0480
.150	-.0830	.0230	.0360	.0190	-.0360
.300	-.0820	-.0480	-.0560	-.0720	-.1020
.520	-.2050	-.2500	-.2630	-.2300	-.2000
.650	-.2920	-.3790	-.3460	-.2780	-.2810
.775	-.1760	-.2320	-.1810	-.1180	-.0980
.900		-.1910	-.1080	-.0590	-.0290

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR25)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0440	-.6960	-.6140	-.7940	-.9540
.050	.0410	.2240	.2440	.2420	.1360
.150	.0420	.1420	.1540	.1350	.0350
.300	.0250	.0560	.0490	.0240	-.0410
.520	-.1120	-.1720	-.1800	-.1560	-.1520
.650	-.2790	-.3060	-.2640	-.2180	-.2490
.775	-.2030	-.2010	-.1430	-.1180	-.1170
.900		-.1890	-.1010	-.0900	-.0700

MACH (2) = .902 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0620	-.2650	-.8050	-.7820	-.5500
.050	-.3260	-.8830	-.9470	-.8320	-.6230
.150	-.3930	-.5240	-.9610	-.7970	-.5740
.300	-.4370	-.5150	-1.0740	-.7930	-.5300
.520	-.3780	-.4330	-.3640	-.6300	-.4700
.650	-.2580	-.3440	-.3030	-.5210	-.4290
.775	-.2740	-.3470	-.2340	-.4330	-.3750
.900		-.3200	-.2010	-.3070	-.3250

MACH (2) = .901 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0620	.0300	-.2650	-.1650	-.2480
.050	-.1780	-.6700	-.8460	-.6960	-.9060
.150	-.3040	-.5010	-.7090	-.5890	-.8570
.300	-.4170	-.4640	-.3650	-.5630	-.3060
.520	-.3810	-.3540	-.3650	-.4400	-.2840
.650	-.2340	-.2910	-.6120	-.3280	-.2630
.775	-.2390	-.2980	-.2770	-.1650	-.0720
.900		-.3140	-.1760	-.0760	-.0480

MACH (2) = .902 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3900	.1800	.1690	.2020	-.0190
.050	-.3870	-.6630	-.2850	-.2820	-.3360
.150	-.5930	-.3780	-.1450	-.1990	-.2390
.300	-.4120	-.2570	-.1790	-.2550	-.2680
.520	-.2720	-.2940	-.3460	-.3730	-.3400
.650	-.2200	-.4010	-.8560	-.3690	-.4080
.775	-.2140	-.2710	-.3570	-.2400	-.1160
.900		-.2710	-.1600	-.1390	-.0390

MACH (2) = .899 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0830	.0970	-.0780	-.1400	-.4450
.050	-.5180	-.2600	.0530	.0730	-.0330
.150	-.3880	-.1760	-.0420	-.0320	-.1590
.300	-.2810	-.1490	-.0670	-.1510	-.2560

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR25)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2530	-.2410	-.2860	-.3860	-.3360
.650	-.2470	-.4600	-.8050	-.5630	-.3890
.775	-.2210	-.2660	-.3290	-.3170	-.1650
.900		-.2490	-.2550	-.0930	-.0650

MACH (2) = .899 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0370	-.0660	-.3340	-.5450	-.7170
.050	-.2500	.0730	.1950	.1860	.0830
.150	-.1980	.0570	.1090	.0760	-.0410
.300	-.0750	.0120	.0070	-.0420	-.1510
.520	-.1430	-.1800	-.2290	-.3030	-.2620
.650	-.3020	-.4360	-.4650	-.4230	-.3700
.775	-.2150	-.2580	-.2960	-.2160	-.1320
.900		-.2420	-.2270	-.1470	-.1230

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR20) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -7.960

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1060	-.8890	-1.4[illegible]0	-1.2120	-.9680
.050	-.2920	-.8210	-.9940	-.8[illegible]	-.9210
.150	-.3480	-.5030	-1.0890	-.932[illegible]	-.8060
.300	-.3530	-.4790	-.6200	-.9360	-.6110
.520	-.3810	-.4970	-.4070	-.3250	-.4930
.650	-.3230	-.4730	-.4040	-.2690	-.4220
.775	-.2970	-.3630	-.2270	-.2100	-.2770
.900		-.3390	-.1310	-.1210	-.1600

MACH (1) = .598 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3500	-.0820	-.5170	-.4870	-.3970
.050	-.2110	-.6320	-.6550	-.6010	-.7940
.150	-.2360	-.3280	-.6120	-.5990	-.5430
.300	-.2470	-.3160	-.3500	-.3730	-.2430
.520	-.3210	-.4250	-.4[illegible]70	-.3060	-.2750
.650	-.3110	-.4620	-.4450	-.3240	-.3130
.775	-.2960	-.3090	-.2320	-.1990	-.1360
.900		-.2720	-.1280	-.0670	-.0490

MACH (1) = .600 BETA (3) = .070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3990	.3080	.1440	.1820	.0110
.050	-.2220	-.1980	-.2790	-.2300	-.2090
.150	-.2140	-.1650	-.1600	-.1520	-.1500
.300	-.1930	-.1930	-.1980	-.1760	-.1580
.520	-.2940	-.3700	-.3620	-.2780	-.2360
.650	-.3220	-.4740	-.4370	-.3070	-.3150
.775	-.2650	-.2850	-.2160	-.1520	-.0750
.900		-.2180	-.1210	-.0470	.0020

MACH (1) = .598 BETA (4) = 4.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4000	.0370	-.2190	-.3260	-.6230
.050	-.2380	.0340	.1120	.1220	.0420
.150	-.1740	-.0010	.0310	.0280	-.0450
.300	-.1570	-.0560	-.0610	-.0620	-.0990
.520	-.2690	-.2610	-.2560	-.2090	-.1850
.650	-.3350	-.4110	-.3320	-.2600	-.2540
.775	-.2150	-.2620	-.1730	-.1080	-.0860
.900		-.2090	-.1040	-.0500	-.0210

AMES 11-FT 0A12 02A RIGHT VERTICAL (RBFR26)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .999 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2050	-.5530	-.7840	-.8980	-.9330
.050	-.2280	.1350	.2210	.2220	.1130
.150	-.1140	.0920	.1420	.1290	.0160
.300	-.0770	.0240	.0480	.0280	-.0520
.520	-.1920	-.1910	-.1700	-.1490	-.1480
.650	-.3040	-.3210	-.2520	-.2000	-.2250
.775	-.2350	-.2260	-.1340	-.1040	-.1140
.900		-.2090	-.1030	-.0920	-.0730

MACH (2) = .903 BETA (1) = -8.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1890	-.3090	-.8980	-.9580	-.7010
.050	-.2020	-.4090	-.9850	-.9520	-.8270
.150	-.3090	-.4110	-1.0790	-.9720	-.7650
.300	-.3480	-.4290	-.5710	-.9980	-.6940
.520	-.3620	-.4990	-.5320	-.6770	-.5670
.650	-.3440	-.5000	-.4840	-.4540	-.4760
.775	-.3290	-.4430	-.3600	-.2520	-.3700
.900		-.4090	-.2650	-.1280	-.2500

MACH (2) = .901 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1240	-.1550	-.1760	-.2230	-.3270
.050	-.0270	-.2000	-.7340	-.7690	-.9620
.150	-.1740	-.2940	-.4720	-.6540	-.9250
.300	-.2670	-.3340	-.3820	-.5890	-.3670
.520	-.3190	-.3910	-.5070	-.4470	-.2540
.650	-.3730	-.6270	-.8250	-.3010	-.2580
.775	-.3360	-.4340	-.4570	-.2050	-.0920
.900		-.3800	-.2660	-.1220	-.0380

MACH (2) = .899 BETA (3) = .030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4480	.2200	.1530	.1450	-.0840
.050	-.5250	-.8920	-.2560	-.2690	-.3290
.150	-.4480	-.5260	-.1410	-.2210	-.2710
.300	-.5460	-.2090	-.1850	-.2780	-.3140
.520	-.2970	-.3160	-.3550	-.4160	-.3310
.650	-.3180	-.6980	-1.1110	-.3530	-.3240
.775	-.2770	-.3650	-.4520	-.2780	-.1240
.900		-.3310	-.1850	-.1770	-.0510

MACH (2) = .898 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1380	-.2280	.0480	-.2010	-.5340
.050	-1.1280	-.8590	.0570	.0660	-.0380
.150	-.4880	-.6000	.0060	-.0320	-.1670
.300	-.3540	-.3230	-.0620	-.1450	-.2670

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (4) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2920	-.3320	-.2700	-.3700	-.3590
.650	-.3220	-.4110	-.9280	-.5800	-.3880
.775	-.2870	-.3190	-.3130	-.2930	-.1720
.900		-.2940	-.2160	-.1140	-.0710

MACH (2) = .904 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0990	-.3520	-.3970	-.6750	-.8430
.050	-.6630	-.4340	.1690	.1550	.0540
.150	-.5340	-.1750	.0860	.0690	-.0670
.300	-.3940	-.0820	-.0070	-.0530	-.1620
.520	-.2330	-.2200	-.2540	-.3110	-.2520
.650	-.3130	-.3910	-.4200	-.3720	-.3310
.775	-.2620	-.2920	-.2660	-.1740	-.1330
.900		-.2920	-.2320	-.1130	-.0970

AMES 11-FT OA12 OA RIGHT VERTICAL (RBPR27) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -4.910

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0950	-.2530	-.2910	-.1420	.0390
.050	-.4240	-.7390	-.6340	-.6330	-.7700
.150	-.2200	-.3320	-.4970	-.5060	-.4590
.300	-.1740	-.2420	-.3830	-.3970	-.3190
.520	-.2250	-.3230	-.4280	-.3900	-.3380
.650	-.1920	-.3380	-.4700	-.3820	-.4390
.775	-.1750	-.1980	-.2370	-.2570	-.1450
.900		-.1790	-.1030	-.0760	-.0500

MACH (1) = .900 BETA (2) = .080

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.5110	.4870	.4090	.4690	.3220
.050	.0180	-.1290	-.1620	-.2310	-.1890
.150	.0000	-.0800	-.0820	-.1180	-.1040
.300	-.0170	-.0720	-.1360	-.1590	-.1340
.520	-.1440	-.2610	-.3390	-.3120	-.2030
.650	-.2170	-.3590	-.4440	-.3730	-.4300
.775	-.1510	-.1810	-.1810	-.1780	-.1040
.900		-.1300	-.0760	-.0360	-.0050

MACH (1) = .900 BETA (3) = 5.280

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.0000	.0910	.1520	.0680	-.2540
.050	.2590	.2730	.2670	.2480	.1960
.150	.1910	.1840	.1580	.1230	.0850
.300	.1260	.0720	.0310	.0070	-.0190
.520	-.0760	-.1890	-.2400	-.2560	-.2070
.650	-.2420	-.3340	-.3580	-.3110	-.4400
.775	-.1170	-.1720	-.1480	-.1020	-.0680
.900		-.1350	-.0730	-.0400	-.0260

MACH (2) = .887 BETA (1) = -4.980

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.3320	.0720	-.0200	.1190	.0910
.050	-.5360	-.8450	-.6910	-1.1410	-1.1820
.150	-.2490	-.6860	-.5250	-.6670	-1.0480
.300	-.1870	-.1610	-.4880	-.5850	-.6360
.520	-.2200	-.3070	-.5460	-.5230	-.4210
.650	-.2370	-.4590	-.7600	-.4540	-.7740
.775	-.2080	-.3220	-.4430	-.2750	-.2220
.900		-.2800	-.2590	-.1570	-.1590

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR27)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (2) = .000

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.5330	.5210	.4280	.4550	.2470
.050	.0520	-.1490	-.1880	-.2610	-.3130
.150	.0320	.0130	-.0580	-.1310	-.1580
.300	.0280	-.0260	-.1050	-.1850	-.2000
.520	-.1030	-.2270	-.2780	-.3050	-.3270
.650	-.2480	-.5190	-1.1330	-.4050	-.6280
.775	-.1870	-.2820	-.5060	-.3020	-.2030
.900		-.2550	-.2320	-.2440	-.1290

MACH (2) = .880 BETA (3) = 5.330

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2190	.2980	.2620	.1760	-.1150
.050	.3140	.3210	.2910	.2420	.1380
.150	.2490	.2410	.1830	.1090	.0000
.300	.1980	.1390	.0630	-.0330	-.1230
.520	.0050	-.1280	-.2230	-.2960	-.3090
.650	-.2890	-.5290	-1.0780	-1.0860	-1.0620
.775	-.1790	-.2640	-.3450	-.5300	-.2830
.900		-.2310	-.1870	-.2640	-.1120

AMES 11-7D7 OA12 OEA RIGHT VERTICAL (RDPR20) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -7.970

Z/BV X/CV	.158	.316	.600	.840	.925
.000	-.3820	-1.0220	-.9270	-.7450	-.4590
.050	-.5030	-.9110	-.7590	-.7340	-1.0060
.150	-.3470	-.7990	-.6980	-.6780	-.9510
.300	-.2970	-.3130	-.6280	-.5900	-.5250
.520	-.3240	-.2910	-.4890	-.4120	-.2790
.650	-.2890	-.2530	-.4210	-.3370	-.3620
.775	-.2340	-.1870	-.2710	-.2780	-.1770
.900		-.1980	-.1540	-.1390	-.1410

MACH (1) = .598 BETA (2) = -3.940

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.2540	-.0290	-.1610	-.0430	.0480
.050	-.3070	-.3840	-.5920	-.6500	-.7880
.150	-.1880	-.2810	-.4120	-.3880	-.3360
.300	-.1550	-.2070	-.2980	-.3150	-.2550
.520	-.2120	-.3050	-.3880	-.3550	-.3240
.650	-.1790	-.3190	-.4480	-.3700	-.4240
.775	-.1880	-.2050	-.2030	-.2310	-.1150
.900		-.1780	-.0900	-.0570	-.0240

MACH (1) = .598 BETA (3) = .000

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.4820	.4410	.3450	.4050	.2480
.050	-.0230	-.1490	-.1840	-.1970	-.2040
.150	-.0290	-.0480	-.0970	-.1190	-.1160
.300	-.0440	-.0920	-.1420	-.1610	-.1390
.520	-.1570	-.2700	-.3420	-.3020	-.2750
.650	-.2080	-.3570	-.4350	-.3540	-.4050
.775	-.1570	-.1900	-.1880	-.1700	-.0980
.900		-.1440	-.0840	-.0420	-.0080

MACH (1) = .598 BETA (4) = 4.190

Z/BV X/CV	.158	.316	.600	.840	.925
.000	.1640	.1850	.1680	.0990	-.2160
.050	.1650	.1740	.1720	.1630	.1120
.150	.1150	.1120	.0800	.0620	.0180
.300	.0650	.0120	-.0110	-.0410	-.0740
.520	-.1060	-.2200	-.2680	-.2560	-.2320
.650	-.2480	-.3460	-.3770	-.3540	-.3840
.775	-.1380	-.2030	-.1670	-.1200	-.0920
.900		-.1720	-.0890	-.0520	-.0260

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AMES 11-707 CA12 CRA RIGHT VERTICAL (RBPR28)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.040	-.6010	-.5040	-.2370	-.3910	-.7770
.050	.3190	.3610	.3490	.3290	.2460
.150	.2410	.2380	.2170	.1650	.1080
.300	.1670	.1190	.0930	.0400	-.0030
.520	-.0450	-.1520	-.1980	-.2000	-.1710
.650	-.2490	-.3070	-.3120	-.2790	-.3060
.775	-.1590	-.1870	-.1570	-.1180	-.1110
.900		-.1790	-.1130	-.0850	-.0760

MACH (2) = .900 BETA (1) = -8.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0070	-.3650	-.5380	-.3520	-.2200
.050	-.5290	-1.0780	-.8250	-1.0110	-1.1040
.150	-.4030	-1.1330	-.7980	-.8650	-1.0970
.300	-.4540	-.4340	-.7730	-.8050	-1.0450
.520	-.3370	-.3030	-.8450	-.6540	-.4570
.650	-.2760	-.3170	-.6980	-.5360	-.4280
.775	-.2780	-.2590	-.5640	-.4150	-.3160
.900		-.2580	-.3780	-.2970	-.2550

MACH (2) = .897 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.040	.3830	.1430	.0240	.1350	.0540
.050	-.3540	-.7270	-.6400	-.9250	-1.1000
.150	-.2210	-.4120	-.4960	-.5440	-.7550
.300	-.1710	-.1880	-.4760	-.4910	-.3900
.520	-.2170	-.3040	-.4210	-.4560	-.4100
.650	-.2180	-.4100	-.9570	-.3870	-.4840
.775	-.1940	-.3030	-.4440	-.2520	-.1960
.900		-.2710	-.2340	-.1640	-.0850

MACH (2) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4240	.4350	.3470	.3770	.1660
.050	-.0100	-.1480	-.2320	-.2620	-.3360
.150	-.0170	-.0270	-.0830	-.1630	-.1990
.300	-.0150	-.0640	-.1380	-.2140	-.2360
.520	-.1280	-.2430	-.3050	-.3310	-.3570
.650	-.2420	-.4840	-1.1240	-.4030	-.4780
.775	-.1840	-.2820	-.4770	-.3030	-.1940
.900		-.2610	-.1810	-.2360	-.1160

MACH (2) = .804 BETA (4) = 4.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.040	.3210	.3330	.2440	.1670	-.1260
.050	.1850	.2040	.1890	.1410	.0450
.150	.1450	.1530	.1090	.0370	-.0730
.300	.1120	.0700	-.0080	-.0890	-.1800

AMES 11-7ft OA12 O2A RIGHT VERTICAL (RBPR20)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .946 BETA (4) = 4.240

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.0480	-.1650	-.2640	-.3290	-.3360
.650	-.2060	-.3070	-1.1100	-1.0470	-.9940
.775	-.1710	-.2730	-.3940	-.4540	-.3190
.900		-.2480	-.2160	-.2770	-.1430

MACH (2) = .946 BETA (5) = 0.400

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1320	-.0360	-.0210	-.1610	-.4520
.050	.3480	.3920	.3590	.3060	.1910
.150	.2870	.2870	.2340	.1570	.0340
.300	.2290	.1740	.1010	.0030	-.1050
.520	.0260	-.1040	-.2250	-.2870	-.3070
.650	-.2720	-.4130	-.9110	-.9930	-1.0320
.775	-.2040	-.2550	-.3140	-.4550	-.2810
.900		-.2290	-.2410	-.2690	-.1840

AMES 11-707 OA12 OEA RIGHT VERTICAL (RBPR29) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 59.8480 INCHES YMRP = .0000 INCHES
BREF = 59.8480 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.030

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3380	-.1080	-1.0300	-.9080	-.6110
.050	-.4700	-.9700	-.7620	-.7850	-1.0140
.150	-.3750	-.6480	-.7210	-.7140	-1.0080
.300	-.2980	-.3160	-.7810	-.6580	-.4190
.520	-.3040	-.3330	-.4580	-.4480	-.2850
.650	-.2350	-.3260	-.4000	-.3360	-.3170
.775	-.3040	-.2480	-.2480	-.2080	-.2240
.900		-.2200	-.1380	-.1400	-.1390

MACH (1) = .900 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1430	-.0940	-.2280	-.1170	-.0630
.050	-.2430	-.6410	-.5770	-.5840	-.7360
.150	-.2060	-.2570	-.4340	-.4350	-.3590
.300	-.1930	-.2220	-.3080	-.3240	-.2470
.520	-.2210	-.3010	-.3980	-.3420	-.3000
.650	-.1880	-.3000	-.4410	-.3500	-.3850
.775	-.2240	-.2090	-.2090	-.2190	-.1100
.900		-.1900	-.1050	-.0630	-.0200

MACH (1) = .900 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3080	.3050	.2760	.3310	.1570
.050	-.0820	-.1520	-.2170	-.2010	-.2100
.150	-.0880	-.0730	-.1040	-.1290	-.1290
.300	-.0840	-.1040	-.1510	-.1800	-.1470
.520	-.1670	-.2750	-.3300	-.2950	-.2630
.650	-.1940	-.3630	-.4240	-.3480	-.3720
.775	-.1540	-.2040	-.1950	-.1800	-.0890
.900		-.1800	-.0950	-.0450	.0000

MACH (1) = .600 BETA (4) = 4.180

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0800	.1320	.0760	-.0100	-.3130
.050	.1060	.1490	.1540	.1450	.0870
.150	.0750	.0830	.0640	.0510	-.0020
.300	.0310	-.0010	-.0230	-.0510	-.0790
.520	-.1030	-.2240	-.2630	-.2410	-.2180
.650	-.2190	-.3480	-.3680	-.3100	-.3320
.775	-.1350	-.2110	-.1720	-.1250	-.0950
.900		-.1820	-.1040	-.0520	-.0290

AMES 11-7?7 OA12 O2A RIGHT VERTICAL (RBPR29)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4350	-.6190	-.3820	-.5300	-.8770
.050	.2390	.3200	.3220	.3030	.2100
.150	.1930	.2070	.2080	.1650	.0810
.300	.1350	.1010	.0830	.0410	-.0180
.520	-.0600	-.1600	-.1870	-.1830	-.1560
.650	-.2500	-.3070	-.2850	-.2520	-.2710
.775	-.1750	-.1890	-.1370	-.1120	-.1010
.900		-.1610	-.0950	-.0850	-.0670

MACH (2) = .888 BETA (1) = -8.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0090	-.4500	-.6520	-.5130	-.3650
.050	-.4790	-1.1060	-.7460	-.8720	-1.1360
.150	-.4420	-1.1650	-.7320	-.8500	-1.1670
.300	-.4110	-.2930	-.8650	-.8520	-.8460
.520	-.3040	-.3260	-.8780	-.6500	-.3810
.650	-.2330	-.3180	-.7020	-.4840	-.3440
.775	-.2660	-.2950	-.4350	-.3360	-.2550
.900		-.2760	-.2430	-.2190	-.2040

MACH (2) = .902 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2160	.0650	-.0600	.0380	-.0500
.050	-.2080	-.7410	-.6030	-.7810	-1.0360
.150	-.2190	-.2640	-.5060	-.5560	-.6930
.300	-.1970	-.2160	-.4460	-.5360	-.4090
.520	-.2170	-.3060	-.4050	-.4860	-.3670
.650	-.1790	-.3290	-.7490	-.3930	-.3660
.775	-.1880	-.2440	-.3630	-.2390	-.1330
.900		-.2510	-.2060	-.1360	-.0460

MACH (2) = .899 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3230	.3490	.2730	.3080	.1830
.050	-.0790	-.1460	-.2410	-.2890	-.3290
.150	-.0760	-.0670	-.1040	-.1790	-.2180
.300	-.0630	-.0950	-.1610	-.2380	-.2560
.520	-.1520	-.2630	-.3260	-.3680	-.3760
.650	-.2210	-.4190	-1.0530	-.4160	-.3600
.775	-.1840	-.2680	-.4240	-.2950	-.1880
.900		-.2380	-.1780	-.2340	-.1050

MACH (2) = .897 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1670	.2410	.1490	.0650	-.2430
.050	.0770	.1440	.1560	.1180	.0140
.150	.0680	.0960	.0760	.0100	-.1040
.300	.0500	.0300	-.0340	-.1150	-.2040

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR29)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.0800	-.1930	-.2850	-.3460	-.3520
.650	-.2520	-.4370	-.9960	-.8520	-.7740
.775	-.1680	-.2990	-.3570	-.4300	-.2990
.900		-.2390	-.2230	-.1630	-.0860

MACH (2) = .896 BETA (5) = 0.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.400	-.0980	-.1290	-.1430	-.3040	-.6130
.050	.2260	.3210	.3480	.2550	.1460
.150	.2030	.2290	.1920	.1230	-.0130
.300	.1640	.1380	.0800	-.0280	-.1460
.520	-.0130	-.1300	-.2530	-.3140	-.3150
.650	-.2880	-.4060	-.8490	-.7360	-.7210
.775	-.2100	-.2590	-.3160	-.3520	-.2180
.900		-.2330	-.2320	-.1980	-.1540

AMES 11-7D7 OA12 O2A RIGHT VERTICAL (RBPR30) (01 MAY 73)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.0490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .900 BETA (1) = -8.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2380	-1.1430	-1.1730	-1.0470	-.7870
.050	-.4240	-1.0250	-.7870	-.8250	-1.0230
.150	-.3680	-.4940	-.7960	-.8190	-.9650
.300	-.3090	-.3430	-.9120	-.8100	-.4040
.520	-.2940	-.3790	-.3920	-.4050	-.3620
.650	-.2250	-.3780	-.3900	-.3150	-.3360
.775	-.2970	-.2830	-.2300	-.2280	-.2200
.900		-.2610	-.1270	-.1240	-.1530

MACH (1) = .900 BETA (2) = -3.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2050	-.1630	-.3380	-.2620	-.1830
.050	-.2080	-.6700	-.5680	-.5800	-.7210
.150	-.2180	-.2620	-.4890	-.4760	-.4340
.300	-.1890	-.2300	-.3280	-.3500	-.2300
.520	-.2170	-.3040	-.3790	-.3100	-.2630
.650	-.1770	-.3220	-.4230	-.3220	-.3150
.775	-.1830	-.2260	-.2130	-.1980	-.1140
.900		-.2270	-.1080	-.0540	-.0400

MACH (1) = .900 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3510	.3440	.2140	.2610	.0910
.050	-.0970	-.1180	-.2500	-.2290	-.2160
.150	-.0920	-.0980	-.1160	-.1390	-.1350
.300	-.0930	-.1150	-.1680	-.1680	-.1540
.520	-.1810	-.2720	-.3320	-.2850	-.2500
.650	-.1980	-.3610	-.4190	-.3280	-.3430
.775	-.1650	-.2060	-.2030	-.1540	-.0800
.900		-.1880	-.1100	-.0470	-.0020

MACH (1) = .900 BETA (4) = 4.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1950	.0530	-.0220	-.1010	-.4140
.050	.0110	.1210	.1420	.1320	.0760
.150	.0200	.0690	.0610	.0380	-.0140
.300	-.0030	-.0050	-.0350	-.0580	-.0850
.520	-.1180	-.2060	-.2540	-.2300	-.2000
.650	-.2260	-.3280	-.3450	-.2800	-.2950
.775	-.1500	-.2180	-.1680	-.1180	-.0910
.900		-.1970	-.1030	-.0440	-.0310

AMES 11-7U7 OA12 OBA RIGHT VERTICAL (RBPR30)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 0.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1900	-.6860	-.4690	-.6670	-.9170
.050	.1520	.2760	.2840	.2740	.1700
.150	.1290	.1870	.1770	.1530	.0560
.300	.0980	.0860	.0680	.0340	-.0230
.520	-.0660	-.1510	-.1760	-.1650	-.1440
.650	-.2490	-.2970	-.2610	-.2270	-.2450
.775	-.1900	-.1920	-.1300	-.1010	-.1020
.900		-.1790	-.0910	-.0720	-.0680

MACH (2) = .901 BETA (1) = -0.180

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1350	-.4340	-.8070	-.6620	-.5000
.050	-.4300	-1.1060	-.8320	-.8040	-.3620
.150	-.4320	-.7310	-.8200	-.8090	-.8100
.300	-.4710	-.4630	-1.0480	-.7750	-.6440
.520	-.3250	-.3510	-.3570	-.5980	-.4450
.650	-.2380	-.3200	-.4890	-.5130	-.3800
.775	-.2650	-.3130	-.2960	-.4380	-.3180
.900		-.3100	-.1990	-.3750	-.2970

MACH (2) = .901 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1440	-.0120	-.2110	-.1140	-.1860
.050	-.2310	-.8260	-.6320	-.7520	-1.0440
.150	-.2950	-.3230	-.5670	-.6060	-.8090
.300	-.2850	-.2790	-.4910	-.6620	-.4160
.520	-.2520	-.3450	-.4300	-.5420	-.3510
.650	-.2150	-.3370	-.6310	-.3810	-.3170
.775	-.2080	-.2940	-.3550	-.2240	-.1050
.900		-.2980	-.2190	-.1240	-.0420

MACH (2) = .903 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2820	.2780	.2140	.2310	.0040
.050	-.2080	-.2550	-.2610	-.2920	-.3510
.150	-.1830	-.1180	-.1370	-.2030	-.2400
.300	-.1370	-.1310	-.1880	-.2580	-.2730
.520	-.1830	-.2780	-.3550	-.3760	-.3810
.650	-.2230	-.4140	-.8830	-.4030	-.3400
.775	-.1880	-.2630	-.3860	-.2830	-.1630
.900		-.2510	-.1840	-.2020	-.0800

MACH (2) = .902 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1430	.1650	.0360	-.0600	-.3630
.050	-.1270	.0690	.1130	.0760	-.0180
.150	-.0710	.0400	.0290	-.0310	-.1410
.300	-.0330	-.0060	560	-.1480	-.2440

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR3D)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.190

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1260	-.2010	-.3120	-.3770	-.3700
.650	-.2690	-.4470	-.7940	-.6560	-.5120
.775	-.1840	-.2720	-.3430	-.3740	-.2220
.900		-.2480	-.2270	-.1060	-.0830

MACH (2) = .905 BETA (5) = 8.320

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0220	-.1410	-.2560	-.4220	-.7050
.050	.0690	.2370	.2520	.2110	.1010
.150	.0850	.1700	.1490	.0930	-.0450
.300	.0900	.0910	.0280	-.0460	-.1650
.520	-.0570	-.1490	-.2560	-.3210	-.3210
.650	-.2900	-.4130	-.5060	-.5770	-.5330
.775	-.2080	-.2520	-.3090	-.2690	-.1960
.900		-.2390	-.2320	-.1850	-.1790

AMES 11-707 OA12 OBA RIGHT VERTICAL (RBPR31) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.2490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040

Z/BV / X/CV	.158	.316	.600	.840	.925
.050	.0070	-1.0460	-1.2100	-1.1130	-.8800
.070	-.3630	-1.0840	-.8110	-.8370	-.9990
.150	-.3520	-.4330	-.9190	-.8840	-.8250
.300	-.3080	-.3670	-.8540	-.8450	-.4490
.520	-.2980	-.3860	-.3680	-.3060	-.3820
.650	-.2320	-.3890	-.3750	-.2680	-.3460
.775	-.2520	-.3090	-.1950	-.1750	-.2330
.900		-.2830	-.1150	-.1080	-.1580

MACH (1) = .598 BETA (2) = -3.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3340	-.1050	-.3810	-.3250	-.2590
.050	-.1850	-.6810	-.5740	-.5660	-.7160
.150	-.1900	-.2600	-.5100	-.4980	-.4370
.300	-.1790	-.2490	-.3010	-.3140	-.2220
.520	-.2390	-.3520	-.3720	-.2920	-.2550
.650	-.2240	-.3710	-.4170	-.3070	-.2950
.775	-.2080	-.2530	-.2010	-.1730	-.1120
.900		-.2390	-.1070	-.0570	-.0310

MACH (1) = .598 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3520	.3230	.1760	.2110	.0360
.050	-.1200	-.1260	-.2500	-.2110	-.1830
.150	-.1140	-.1090	-.1160	-.1290	-.1330
.300	-.1080	-.1270	-.1580	-.1580	-.1450
.520	-.2060	-.2920	-.3220	-.2650	-.2310
.650	-.2200	-.3770	-.3980	-.3010	-.3120
.775	-.1940	-.2300	-.1960	-.1430	-.0690
.900		-.1900	-.1060	-.0390	.0060

MACH (1) = .599 BETA (4) = 4.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3150	.0120	-.1170	-.2260	-.5250
.050	-.0860	.0960	.1360	.1300	.0630
.150	-.0450	.0500	.0510	.0310	-.0260
.300	-.0520	-.0130	-.0390	-.0470	-.0920
.520	-.1570	-.2090	-.2460	-.2070	-.1830
.650	-.2410	-.3340	-.3250	-.2650	-.2680
.775	-.1430	-.2170	-.1640	-.1050	-.0920
.900		-.1890	-.1040	-.0470	-.0300

DATE 18 SEP 79 TABULATED PRESSURE DATA - OA12A (RBPR31)

AMES 11-7U7 OA12 O2A RIGHT VERTICAL

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .897 BETA (5) = 8.240

Z/BV	.15[illegible]	.316	.600	.840	.925
X/CV					
.000	-.0400	-.7220	-.6020	-.8110	-.9400
.050	.0700	.2350	.2560	.2410	.1370
.150	.0670	.1640	.1660	.1470	.0440
.300	.0530	.0720	.0640	.0400	-.0300
.520	-.0850	-.1480	-.1560	-.1430	-.1410
.650	-.2580	-.2930	-.2370	-.1920	-.2280
.775	-.1890	-.1880	-.1300	-.1050	-.1010
.900		-.1860	-.0870	-.0710	-.0760

MACH (2) = .898 BETA (1) = -8.130

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0720	-.2940	-.8670	-.7550	-.5750
.050	-.3220	-.9550	-.9370	-.7420	-.7030
.150	-.4040	-.5340	-.9620	-.7690	-.6700
.300	-.4280	-.5070	-1.0760	-.7670	-.5790
.520	-.3530	-.3980	-.3130	-.6250	-.4610
.650	-.2420	-.3280	-.3840	-.5340	-.4100
.775	-.2580	-.3280	-.2350	-.4710	-.3570
.900		-.3100	-.1710	-.3490	-.3440

MACH (2) = .901 BETA (2) = -4.020

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0560	.0370	-.2990	-.1930	-.2650
.050	-.1760	-.6530	-.7350	-.6390	-.9600
.150	-.3230	-.4750	-.6380	-.6010	-.8660
.300	-.3850	-.4350	-.4510	-.6410	-.3490
.520	-.3340	-.3230	-.3790	-.4220	-.2740
.650	-.2310	-.3410	-.6400	-.3010	-.2680
.775	-.2230	-.3030	-.2770	-.1600	-.0710
.900		-.3150	-.1650	-.0630	-.0110

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3420	.1630	.1760	.1890	-.0390
.050	-.3710	-.6370	-.2530	-.2830	-.3220
.150	-.4100	-.2710	-.1410	-.2020	-.2470
.300	-.3320	-.1950	-.1800	-.2620	-.2780
.520	-.2450	-.2880	-.3550	-.3820	-.3130
.650	-.2370	-.4680	-.8340	-.3700	-.4160
.775	-.2160	-.2720	-.3510	-.2400	-.1110
.900		-.2670	-.1590	-.1440	-.0280

MACH (2) = .897 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0730	.1390	-.0660	-.1510	-.4650
.050	-.4540	-.1040	.1060	.0720	-.0290
.150	-.3110	-.0610	.0320	-.0360	-.1540
.300	-.1840	-.0740	-.0530	-.1480	-.2590

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR.

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.1940	-.2160	-.2910	-.3750	-.2950
.650	-.2470	-.4490	-.7250	-.4620	-.4180
.775	-.1940	-.2610	-.3150	-.3040	-.1540
.900		-.2420	-.1990	-.0980	-.0530

MACH (2) = .898 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0340	-.1150	-.3480	-.5510	-.7560
.050	-.2160	.1150	.1960	.1880	.0790
.150	-.1150	.0900	.1080	.0790	-.0620
.300	-.0350	.0380	.0120	-.0500	-.1600
.520	-.1250	-.1640	-.2320	-.3150	-.2890
.650	-.2910	-.4210	-.4700	-.4110	-.4470
.775	-.2210	-.2640	-.2900	-.2190	-.1630
.900		-.2460	-.2240	-.1480	-.1520

AMES 11-7X7 OA12 OEA RIGHT VERTICAL (RBFR32) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -7.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1080	-.7820	-1.3760	-1.1740	-.9330
.050	-.2340	-.7040	-.9640	-.9360	-.8670
.150	-.2940	-.4650	-1.0580	-.9870	-.7650
.300	-.3030	-.4310	-.7250	-.8810	-.6010
.520	-.3500	-.4660	-.3930	-.2890	-.5020
.650	-.3150	-.4600	-.3890	-.2480	-.3960
.775	-.2840	-.3420	-.2230	-.1790	-.2340
.900		-.3070	-.1160	-.1000	-.1400

MACH (1) = .597 BETA (2) = -3.950

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3740	-.0350	-.5020	-.4820	-.3940
.050	-.1640	-.5360	-.6210	-.5740	-.7500
.150	-.1920	-.2900	-.5800	-.5840	-.5180
.300	-.2030	-.2880	-.3190	-.3350	-.2230
.520	-.2930	-.3940	-.3940	-.2830	-.2560
.650	-.2900	-.4420	-.4230	-.2980	-.2870
.775	-.2710	-.2890	-.2110	-.1740	-.1170
.900		-.2480	-.1090	-.0470	-.0330

MACH (1) = .599 BETA (3) = .070

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4140	.3210	.1450	.1770	-.0010
.050	-.1940	-.1600	-.2550	-.1900	-.1[illegible]
.150	-.1790	-.1370	-.1380	-.1390	-.1360
.300	-.1680	-.1660	-.1720	-.1540	-.1460
.520	-.2720	-.3430	-.3340	-.2530	-.2220
.650	-.3070	-.4540	-.4080	-.2940	-.2050
.775	-.2410	-.2700	-.1960	-.1370	-.0650
.900		-.2070	-.1100	-.0390	.0100

MACH (1) = .598 BETA (4) = 4.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4070	.0550	-.2200	-.3290	-.6220
.050	-.2170	.0580	.1240	.1200	.0510
.150	-.1420	.0270	.0410	.0360	-.0330
.300	-.1230	-.0300	-.0370	-.0500	-.0900
.520	-.2400	-.2280	-.2380	-.1970	-.1740
.650	-.2960	-.3780	-.3120	-.2390	-.2460
.775	-.1890	-.2310	-.1520	-.0990	-.0780
.900		-.1920	-.0880	-.0400	-.0180

AMES 11-7X7 OA12 O2A RIGHT VERTICAL (RBPR32)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.290

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2110	-.5450	-.7500	-.8810	-.9000
.050	-.1960	.1480	.2360	.2220	.1140
.150	-.0890	.1080	.1520	.1410	.0300
.300	-.0480	.0420	.0650	.0450	-.0300
.520	-.1650	-.1570	-.1510	-.1270	-.1170
.650	-.2920	-.2940	-.2260	-.1850	-.2110
.775	-.2170	-.2010	-.1130	-.0890	-.0990
.900		-.1790	-.0910	-.0720	-.0790

MACH (2) = .942 BETA (1) = -8.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1770	-.2470	-.9140	-.9680	-.7010
.050	-.2160	-.3500	-.9700	-.9210	-.7920
.150	-.3380	-.3690	-1.0730	-.9780	-.7190
.300	-.2790	-.4170	-.5410	-.9710	-.6550
.520	-.3290	-.5000	-.5260	-.6530	-.5630
.650	-.3330	-.4980	-.4570	-.4430	-.4760
.775	-.3190	-.4280	-.3330	-.2460	-.3800
.900		-.3980	-.2370	-.1190	-.2710

MACH (2) = .898 BETA (2) = -4.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1280	-.0190	-.1850	-.2470	-.3360
.050	-.0590	-.2300	-.7120	-.7400	-.9440
.150	-.2080	-.2570	-.5050	-.6710	-.9280
.300	-.2510	-.2570	-.3670	-.5660	-.3090
.520	-.2730	-.4080	-.5120	-.3890	-.2630
.650	-.3550	-.5520	-.7430	-.2760	-.2540
.775	-.3120	-.4160	-.4070	-.1630	-.0750
.900		-.3490	-.2210	-.0870	-.0180

MACH (2) = .905 BETA (3) = .070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4420	.2180	.1590	.1470	-.0850
.050	-.5120	-.8940	-.2620	-.2720	-.3330
.150	-.4840	-.4300	-.1460	-.2150	-.2720
.300	-.5570	-.1920	-.1810	-.2720	-.3070
.520	-.3020	-.3040	-.3530	-.4080	-.2840
.650	-.3060	-.7060	-1.1270	-.3370	-.3610
.775	-.2650	-.3510	-.4580	-.2450	-.1230
.900		-.3150	-.1890	-.1540	-.0650

MACH (2) = .897 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0990	-.0850	.0110	.2000	-.5360
.050	-1.0210	-.7260	.0570	.0650	-.0300
.150	-.5720	-.4110	.0130	-.0300	-.1640
.300	-.3240	-.2500	.0530	-.1340	-.2570

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR32)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2720	-.3210	-.2780	-.3490	-.2570
.650	-.2990	-.4550	-.8870	-.4230	-.4100
.775	-.2640	-.3100	-.2890	-.2870	-.1500
.900		-.2800	-.1900	-.0880	-.0460

MACH (2) = .901 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0980	-.3250	-.3950	-.6890	-.8340
.050	-.6530	-.2880	.1720	.1690	.0570
.150	-.5370	-.1060	.0910	.0760	-.0710
.300	-.2460	-.0670	.0060	-.0440	-.1600
.520	-.2100	-.2100	-.2360	-.2740	-.2700
.650	-.3060	-.3840	-.4120	-.3430	-.3300
.775	-.2530	-.2940	-.2640	-.1960	-.1520
.900		-.2940	-.2190	-.1120	-.1150

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR33) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .03UU SCALE

PARAMETRIC DATA

ALPHA = -4.UUU RUDDER = .UUU
ELEVON = .UUU RUDFLR = 40.UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CF

MACH (1) = .596 BETA (1) = -4.91U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.UB4U	-.265U	-.263U	-.141U	.UU6U
.05U	-.463U	-.765U	-.52UU	-.411U	-.557U
.15U	-.255U	-.346U	-.35UU	-.323U	-.319U
.3UU	-.199U	-.223U	-.172U	-.175U	-.166U
.52U	-.254U	-.UB3U	.U35U	-.U38U	-.169U
.65U	-.27UU	.196U	.U7UU	-.U34U	- 421U
.775	-.228U	-.U22U	-.U57U	-.122U	.266U
.9UU		-.2UUU	-.223U	-.139U	.165U

MACH (1) = .599 BETA (2) = .08U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.5U6U	.495U	.479U	.514U	.363U
.05U	.UU1U	-.152U	-.U54U	-.U51U	-.U89U
.15U	-.U17U	-.U26U	.U61U	.U56U	.U35U
.3UU	-.U31U	-.U57U	.U87U	.U85U	.U67U
.52U	-.17UU	.U1UU	.21UU	.159U	-.UB4U
.65U	-.263U	.324U	.278U	.2U5U	-.439U
.775	-.224U	.U67U	.U56U	-.U35U	-.213U
.9UU		-.112U	-.147U	-.1U1U	-.U94U

MACH (1) = .598 BETA (3) = 5.28U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.U15U	.U96U	.2U4U	.U87U	-.224U
.05U	.255U	.289U	.373U	.372U	.3UUU
.15U	.184U	.2UUU	.293U	.275U	.2U2U
.3UU	.127U	.12UU	.248U	.218U	.UB7U
.52U	-.U75U	.1U1U	.271U	.237U	.U4UU
.65U	-.257U	.392U	.358U	.278U	-.144U
.775	-.255U	.142U	.126U	.U61U	-.168U
.9UU		-.U41U	-.U74U	-.U46U	-.127U

MACH (2) = .899 BETA (1) = -4.99U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.362U	.135U	-.U22U	.1U4U	.U94U
.05U	-.555U	-.946U	-.615U	-.233U	-.576U
.15U	-.292U	-.711U	-.56UU	-.186U	-.6U3U
.3UU	-.318U	-.366U	-.499U	-.164U	-.185U
.52U	-.362U	-.U82U	-.U6UU	-.186U	-.16UU
.65U	-.289U	.323U	.U11U	-.19UU	-.715U
.775	-.253U	.U84U	.188U	-.295U	-.337U
.9UU		-.U38U	.184U	-.369U	-.285U

AMES 11-7U7 O*12 O2A RIGHT VERTICAL (RBPR33)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .899 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4940	.4790	.5050	.5670	.4030
.050	-.0450	-.2810	-.0920	-.0150	.0200
.150	-.0770	-.0590	.0770	.1250	.1020
.300	-.0620	-.0630	.1510	.1670	.0780
.520	-.1600	-.0150	.3170	.2590	.0620
.650	-.2660	.4020	.3920	.2930	-.3080
.775	-.2170	.1450	.2010	.0210	-.2900
.900		.0240	.0310	-.1810	-.2700

MACH (2) = .900 BETA (3) = 5.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2580	.3440	.2930	.2540	-.0960
.050	.2370	.2770	.4000	.4280	.3420
.150	.1870	.2120	.3400	.3400	.2460
.300	.1490	.1420	.3130	.2810	.1280
.520	-.0150	.0950	.3630	.2870	.0670
.650	-.2420	.4980	.4660	.3280	-.2450
.775	-.2110	.2320	.2480	.0510	-.2760
.900		.1090	.0770	-.1460	-.2780

/AES 11-707 OA12 OEA RIGHT VERTICAL (RBPR34) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4260	-1.0650	-.8960	-.8060	-.5280
.050	-.5830	-.9400	-.6280	-.5890	-.8680
.150	-.3860	-.8840	-.5440	-.5370	-.8780
.300	-.3470	-.3270	-.4420	-.5020	-.3190
.520	-.3710	-.1380	-.2640	-.3310	-.2380
.650	-.2940	.1020	-.1840	-.284[illegible]	-.3000
.775	-.2690	-.0930	-.2280	-.150[illegible]	-.2280
.900		-.2780	-.2560	-.130[illegible]	-.1630

MACH (1) = .599 BETA (2) = -3.950

Z/BV	.158	.316	.600	.84[illegible]	.925
X/CV					
.000	.2730	-.0410	-.1160	-.037[illegible]	.0480
.050	-.3590	-.6550	-.4860	-.3620	-.527[illegible]
.150	-.2170	-.2800	-.2820	-.2500	-.271[illegible]
.3[illegible]	-.1760	-.1920	-.0930	-.1290	-.0970
.5[illegible]	-.2410	-.0760	.0910	.0280	-.1430
.650	-.2510	.2190	.1360	.0410	-.3550
.775	-.2210	-.0030	-.0260	-.0710	-.213[illegible]
.900		-.1970	-.1920	-.1060	-.1210

MACH (1) = .599 BETA (3) = .050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4740	.4530	.4210	.4490	.2990
.050	-.0470	-.1770	-.0710	-.0350	-.0160
.150	-.0560	-.0540	.0370	.0490	.0330
.300	-.0610	-.0580	.0730	.0710	.0040
.520	-.1800	-.0180	.1840	.1550	-.0320
.650	-.2620	.3050	.2480	.2190	-.1660
.775	-.2140	.0550	.0310	.0000	-.1470
.900		-.1350	-.1580	-.0790	-.0900

MACH (1) = .599 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1500	.2080	.2140	.1180	-.1690
.050	.1560	.1890	.2860	.2930	.2310
.150	.1070	.1300	.2280	.2220	.152[illegible]
.300	.0620	.0690	.1950	.1750	.0530
.520	-.1100	.0580	.2310	.1960	.0370
.650	-.2650	.3640	.3160	.2530	-.1060
.775	-.2340	.1230	.0880	.0490	-.1280
.900		-.0630	.1100	-.0450	-.0880

AMES 11-7X7 OA12 O2A RIGHT VERTICAL (RBPR34)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.31U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UUU	-.653U	-.515U	-.167U	-.399U	-.6U8U
.U5U	.336U	.391U	.451U	.443U	.342U
.15U	.259U	.274U	.36UU	.335U	.232U
.3UU	.183U	.189U	.299U	.255U	.1U8U
.52U	-.U21U	.133U	.286U	.244U	.U32U
.65U	-.221U	.4U9U	.363U	.255U	-.141U
.775	-.229U	.18UU	.161U	.U71U	-.2UUU
.9UU		-.U21U	-.U02U	-.U38U	-.1U5U

MACH (2) = .899 BETA (1) = -8.1U4

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.U99U	-.241U	-.514U	-.33UU	-.149U
.U5U	-.495U	-1.U73U	-.932U	-.346U	-.3UUU
.15U	-.4U1U	-1.U76U	-.824U	-.353U	-.288U
.3UU	-.474U	-.487U	-.8U2U	-.339U	-.3U5U
.52U	-.491U	-.362U	-.762U	-.4U3U	-.312U
.65U	-.35UU	.2U7U	-.597U	-.386U	-.311U
.775	-.318U	.U13U	-.248U	-.391U	-.329U
.9UU		-.U86U	.1U4U	-.361U	-.315U

MACH (2) = .897 BETA (2) = -4.01U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.385U	.184U	.U32U	.188U	.114U
.U5U	-.368U	-.943U	-.541U	-.192U	-.5U4U
.15U	-.324U	-.546U	-.483U	-.148U	-.5U3U
.3UU	-.349U	-.338U	-.211U	-.137U	-.128U
.52U	-.328U	-.U81U	.U8UU	-.151U	-.16UU
.65U	-.267U	.324U	.19UU	-.126U	-.591U
.775	-.236U	.U89U	.149U	-.231U	-.312U
.9UU		-.U27U	.U12U	-.285U	-.269U

MACH (2) = .898 BETA (3) = .08U

Z/BV	.158	.316	.6UU	.84U	925
X/CV					
.UUU	.39UU	.382U	.439U	.5U4U	.336U
.U5U	-.128U	-.364U	-.112U	-.UU8U	-.UU4U
.15U	-.17UU	-.1U6U	.U63U	.197U	.U81U
.3UU	-.119U	-.U97U	.128U	.14UU	.U55U
.52U	-.179U	-.U28U	.285U	.227U	.U36U
.65U	-.262U	.377U	.359U	.257U	-.259U
.775	-.218U	.142U	.173U	.UU2U	-.266U
.9UU		.U21U	.UU9U	-.193U	-.268U

MACH (2) = .896 BETA (4) = 4.25U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.311U	.347U	.279U	.265U	-.U73U
.U5U	.U96U	.139U	.3U8U	.354U	.271U
.15U	.U78U	.117U	.274U	.281U	.196U
.3UU	.U62U	.U69U	.269U	.234U	.U83U

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR34)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .895 BETA (4) = 4.25U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.U73U	.U42U	.333U	.247U	.U37U
.65U	-.261U	.468U	.424U	.297U	-.237U
.775	-.2U5U	.215U	.219U	.U23U	-.271U
.9UU		.U94U	.U5UU	-.175U	-.257U

MACH (2) = .9U1 BETA (5) = 8.43U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.U29U	.U41U	.U29U	-.1U1U	-.291U
.U5U	.285U	.361U	.461U	.471U	.367U
.15U	.239U	.271U	.388U	.38UU	.262U
.3UU	.194U	.195U	.349U	.3U3U	.132U
.52U	.U23U	.135U	.362U	.28UU	.U44U
.65U	-.212U	.497U	.449U	.283U	-.224U
.775	-.223U	.271U	.251U	.U59U	-.3U3U
.9UU		.152U	.U8UU	-.121U	-.246U

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR35) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .03UU SCALE

PARAMETRIC DATA

ALPHA = 5.UUU RUDDER = .UUU
ELEVON = .UUU RUDFLR = 40.UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.04U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.78UU	-1.155U	-.996U	-.9U7U	-.638U
.U5U	-.551U	-.992U	-.645U	-.624U	-.849U
.15U	-.414U	-.799U	-.581U	-.627U	-.756U
.3UU	-.339U	-.3U8U	-.516U	-.695U	-.337U
.52U	-.334U	-.14UU	-.263U	-.26UU	-.266U
.65U	-.263U	.U32U	-.177U	-.179U	-.282U
.775	-.27UU	-.133U	-.19UU	-.U71U	-.289U
.9UU		-.324U	-.228U	-.U71U	-.148U

MACH (1) = .599 BETA (2) = -3.98U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.148U	-.U77U	-.2U8U	-.14UU	-.U48U
.U5U	-.284U	-.655U	-.46UU	-.361U	-.5U8U
.15U	-.236U	-.283U	-.31UU	-.283U	-.336U
.3UU	-.212U	-.194U	-.121U	-.159U	-.U72U
.52U	-.248U	-.U82U	.U79U	.U42U	-.U77U
.65U	-.234U	.198U	.139U	.U86U	-.239U
.775	-.223U	-.U26U	-.U2UU	-.U11U	-.193U
.9UU		-.229U	-.148U	-.U61U	-.U54U

MACH (1) = .599 BETA (3) = .U8U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.396U	.398U	.358U	.385U	.231U
.U5U	-.U92U	-.175U	-.U85U	-.U53U	-.U34U
.15U	-.U87U	-.U75U	.U29U	.U4UU	.U2UU
.3UU	-.U88U	-.U76U	.U55U	.U69U	.U14U
.52U	-.188U	-.U2UU	.169U	.155U	.U27U
.65U	-.25UU	.293U	.226U	.2UUU	-.U69U
.775	-.192U	.U56U	.U3UU	.U33U	-.1U8U
.9UU		-.153U	-.13UU	-.U38U	-.U26U

MACH (1) = .599 BETA (4) = 4.17U

Z/EV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.U83U	.138U	.128U	.U25U	-.232U
.U5U	.U9UU	.151U	.254U	.271U	.198U
.15U	.U54U	.U97U	.2U3U	.196U	.128U
.3UU	.U21U	.U44U	.171U	.152U	.U42U
.52U	-.12UU	.U51U	.2U6U	.174U	.U18U
.65U	-.258U	.35UU	.284U	.224U	-.U91U
.775	-.228U	.116U	.U81U	.U41U	-.154U
.9UU		-.U91U	-.U7UU	-.U32U	-.U64U

AMES 11-707 CA12 O2A RIGHT VERTICAL (PBFR55)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (5) = 8.260

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.5050	-.6070	-.2920	-.5450	-.6620
.050	.2350	.3340	[illegible]	[illegible]	[illegible]
.150	.1840	.2350	[illegible]	.2940	[illegible]
.300	.1340	.1560	.2620	.2240	.1160
.520	[illegible]	.1220	[illegible]	[illegible]	[illegible]
.650	[illegible]	.3900	.3170	.2110	-.1250
.775	-.2280	.1750	[illegible]	[illegible]	[illegible]
.900		[illegible]	[illegible]	[illegible]	[illegible]

MACH (2) = .903 BETA (1) = -8.160

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1100	-.3170	[illegible]	-.3640	[illegible]
.050	-.4460	-1.1020	[illegible]	-.2920	[illegible]
.150	-.4440	-1.1160	-.8640	-.3050	-.3110
.300	[illegible]	-.5100	[illegible]	-.3370	[illegible]
.520	-.4740	[illegible]	[illegible]	-.475	[illegible]
.650	-.3130	.1230	[illegible]	-.4420	[illegible]
.775	-.2950	[illegible]	[illegible]	[illegible]	[illegible]
.900		-.1150	.0550	-.3820	[illegible]

MACH (2) = .902 BETA (2) = -4.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1880	.0380	-.0540	.0130	-.0180
.050	-.2730	-.9350	-.4390	-.2780	-.5270
.150	-.3540	[illegible]	-.3260	-.2610	-.5740
.300	[illegible]	[illegible]	-.2790	-.2470	-.1140
.520	-.3190	-.0920	.0860	-.0520	[illegible]
.650	-.2400	.2550	.1460	-.0230	[illegible]
.775	-.2250	[illegible]	.1750	-.0460	[illegible]
.900		-.0550	-.0420	-.1670	-.2490

MACH (2) = .904 BETA (3) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2680	.2980	.3740	.4310	.2560
.050	-.2080	-.2640	-.1160	-.0250	-.0250
.150	-.2180	-.1110	.0510	.0890	.0590
.300	-.1460	-.0870	.1110	.1170	.0120
.520	-.1810	-.0170	.2590	.1920	[illegible]
.650	-.2330	.3300	.3240	.2130	-.2190
.775	-.1940	.1340	.1460	-.0170	-.2430
.900		.0250	-.0150	-.1950	-.2620

MACH (2) = .902 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1370	.2650	.1870	.1440	-.1710
.050	-.0490	.0730	.2780	.3200	.2350
.150	-.0410	.0620	.2420	.2490	.1550
.300	-.0120	.0310	[illegible]	.2050	.0470

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPR35)

AMES 11-7X7 OA12 OB4 RIGHT VERTICAL

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.116	.041	.299	.210	.013
.050	-.248	.431	.379	.237	-.182
.775	-.212	.202	.184	.104	-.217
.900		.089	.019	-.167	-.218

MACH (2) = .898 BETA (5) = 8.370

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.027	-.038	-.097	-.181	-.382
.050	.168	.296	.415	.438	.316
.150	.156	.224	.354	.341	.221
.300	.149	.161	.324	.269	.113
.520	.002	.120	.334	.243	.003
.650	-.219	.482	.403	.231	-.221
.775	-.217	.270	.224	.027	-.269
.900		.157	.054	-.145	-.221

AMES 11-7D7 CA12 02A RIGHT VERTICAL (RBPR36) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION : 1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.070

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.3080	-1.2240	-1.1060	-.9720	-.7650
.050	-.5080	-1.0580	-.6830	-.6890	-.8190
.150	-.4360	-.6080	-.6410	-.7360	-.6320
.300	-.3630	-.3300	-.7040	-.8150	-.4280
.520	-.3110	-.1650	-.2180	-.1680	-.4400
.650	-.2460	-.0010	-.1040	-.0820	-.3890
.775	-.2540	-.1380	-.1390	-.0700	-.3680
.900		-.3290	-.1960	-.1130	-.2040

MACH (1) = .598 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1900	-.1840	-.3330	-.2860	-.1940
.050	-.2610	-.6990	-.4870	-.3600	-.5750
.150	-.2630	-.2840	-.3730	-.3460	-.4150
.300	-.2320	-.2180	-.1760	-.2280	-.1160
.520	-.2490	-.1070	.0540	.0380	-.1060
.650	-.2500	.1340	.1110	.0930	-.2440
.775	-.2100	-.0720	-.0520	-.0310	-.2420
.900		-.2780	-.1740	-.1950	-.0910

MACH (1) = .599 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3500	.3590	.3020	.3180	.1610
.050	-.1240	-.1350	-.1240	-.0780	-.0550
.150	-.1150	-.0350	.0180	.0180	-.0420
.300	-.1050	-.0860	.0420	.0490	-.0120
.520	-.1910	-.0260	.1430	.1220	-.0160
.650	-.2470	.2870	.1990	.1590	-.0930
.775	-.1860	.0640	.0140	.0090	-.1370
.900		-.1360	-.1290	-.0600	-.0720

MACH (1) = .601 BETA (4) = 4.160

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1690	.0710	.0220	-.0810	-.3460
.050	-.0050	.1310	.2440	.2480	.1690
.150	.0060	.0770	.1900	.1760	.0990
.300	-.0110	.0410	.1590	.1370	.0210
.520	-.1350	.0530	.1860	.1500	-.0090
.650	-.2520	.3480	.2530	.1850	-.0930
.775	-.2150	.1310	.0710	.0270	-.1700
.900		-.0700	670	-.0480	-.0780

AMES 11-7ft OA12 02A RIGHT VERTICAL (RBPR36)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (5) = 8.230

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.3140	-.6800	-.4130	-.6530	-.7040
.050	.1520	.2990	.3690	.3450	.2420
.150	.1300	.2120	.3000	.2620	.1490
.300	.1010	.1460	.2470	.1960	.0660
.520	-.0520	.1180	.2330	.1760	-.0280
.650	-.2330	.3890	.2880	.1710	-.1380
.775	-.2260	.1830	.1110	.0300	-.2160
.900		-.0690	-.0380	-.0670	-.1200

MACH (2) = .903 BETA (1) = -8.170

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1330	-.3320	-.8040	-.5420	-.4210
.050	-.3850	-1.0700	-.9790	-.4150	-.3960
.150	-.4300	-.6080	-.9210	-.4440	-.3900
.300	-.4690	-.5380	-.9870	-.4830	-.3390
.520	-.4480	-.2530	-.0900	-.6790	-.3730
.650	-.3250	-.0310	.1180	-.5930	-.3691
.775	-.3110	-.1160	.0230	-.5010	-.3940
.900		-.1950	-.0860	-.4060	-.3910

MACH (2) = .903 BETA (2) = -4.050

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1040	.0260	-.2010	-.1180	-.1450
.050	-.2470	-.8430	-.5220	-.3280	-.5200
.150	-.3510	-.4350	-.4170	-.3060	-.5650
.300	-.3770	-.3530	-.2840	-.3170	-.1550
.520	-.3270	-.1330	.0790	-.0720	-.1360
.650	-.2580	.0990	.1530	-.0120	-.2080
.775	-.2350	-.0160	.0440	-.0380	-.3020
.900		-.1160	-.0770	-.1510	-.2610

MACH (2) = .699 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2530	.2050	.2930	.3520	.1620
.050	-.2830	-.4010	-.1510	-.0650	-.0560
.150	-.3280	-.1940	.0120	.0420	.0180
.300	-.2350	-.1600	.0790	.0745	-.0280
.520	-.2330	-.0600	.2080	.1470	-.0300
.650	-.2420	.3100	.2660	.1640	-.2130
.775	-.2020	.1150	.0990	-.0480	-.2310
.900		.0060	-.0550	-.2020	-.2480

MACH (2) = .897 BETA (4) = 4.200

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1060	.1710	.0610	.0080	-.2980
.050	-.2280	-.0060	.2340	.2820	.1820
.150	-.1760	-.0040	.2020	.2060	.1040
.300	-.0980	-.0170	.2020	.1590	.0010

AMES 11-7U7 OA12 OEA RIGHT VERTICAL (RBPR36)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .897 BETA (4) = 4.2UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.155U	.U13U	.257U	.158U	-.U37U
.65U	-.261U	.414U	.313U	.171U	-.186U
.775	-.225U	.215U	.137U	-.U34U	-.23UU
.9UU		.11 9U	.U22U	-.185U	-.227U

MACH (2) = .9U2 BETA (5) = 8.33U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.1UU	.U26U	-.U63U	- 23UU	-.3U9U	-.463U
.U5U	-.U1UU	.21UU	.357U	.372U	.254U
.15U	.U42U	.16UU	.3U6U	.296U	.167U
.3UU	.U7UU	.11UU	.265U	.224U	.U63U
.52U	-.U55U	.U93U	.3U3U	.192U	-.U46U
.65U	-.246U	.471U	.354U	.175U	-.249U
.775	-.235U	.269U	.186U	-.UU7U	-.317U
.9UU		.165U	.U22U	-.174U	.271U

AMES 11-7X7 OA12 02A RIGHT VERTICAL (RBPR37) (01 MAY 73)

REFERENCE DATA

SREF = 2.421[illegible] SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .03[illegible] SCALE

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) = -8.090

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.1240	-1.1360	-1.1370	-.9300	-.7470
.050	-.4570	-1.1180	-.7550	-.7300	-.6770
.150	-.4280	-.4880	-.8500	-.8410	-.5820
.300	-.3680	-.3710	-.7670	-.7670	-.5610
.520	-.3430	-.2060	-.1290	-.2580	-.5330
.650	-.2790	-.0260	-.0480	-.1690	-.4110
.775	-.2650	-.1550	-.1460	-.1510	-.3970
.900		-.3270	-.2190	-.1880	-.2280

MACH (1) = .598 BETA (2) = -3.990

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3180	-.1410	-.3920	-.3420	-.2820
.050	-.2390	-.7380	-.4850	-.3830	-.5920
.150	-.2500	-.2920	-.4250	-.4160	-.3640
.300	-.2260	-.2370	-.1540	-.2020	-.1170
.520	-.2750	-.1200	.0350	.0390	-.0960
.650	-.2860	.1220	.0910	.0900	-.1650
.775	-.2210	-.0750	-.0810	-.0390	-.2510
.900		-.2650	-.2260	-.1090	-.0900

MACH (1) = .598 BETA (3) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3360	.3210	.2420	.2570	.0920
.050	-.1650	-.1510	-.1540	-.0870	-.0790
.150	-.1560	-.1200	-.0040	-.0060	-.0290
.300	-.1400	-.1120	.0260	.0190	-.0430
.520	-.2240	-.0540	.1210	.0890	-.0490
.650	-.2820	.2720	.1700	.1240	-.1180
.775	-.2210	.0520	-.0140	-.0290	-.1580
.900		-.1300	-.1800	-.1020	-.1290

MACH (1) = .598 BETA (4) = 4.160

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.2890	.0310	-.0720	-.1960	-.4470
.050	-.1100	.0820	.2150	.2150	.1310
.150	-.0710	.0490	.1580	.1450	.0570
.300	-.0780	.0150	.1350	.1000	-.0110
.520	-.1890	.0240	.1610	.1120	-.0420
.650	-.3020	.3470	.2160	.1400	-.1050
.775	-.2590	.1380	.0220	-.0060	-.1620
.900		-.0460	-.1520	-.0860	-.1080

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR37)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (5) = 8.250

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0700	-.7290	-.5600	-.7090	-.7090
.050	.0500	.2390	.3280	.2930	.1740
.150	.0510	.1700	.2660	.2210	.1140
.300	.0280	.1170	.2160	.1620	.0240
.520	-.0990	.1000	.2040	.1420	-.0700
.650	-.2700	.3720	.2470	.1270	-.1760
.775	-.2720	.1860	.0770	-.0650	-.2480
.900		-.0650	-.0720	-.0930	-.1510

MACH (2) = .899 BETA (1) = -8.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0620	-.2810	-.8750	-.6440	-.5350
.050	-.3520	-.9480	-.9490	-.5410	-.4370
.150	-.4490	-.5560	-.9290	-.5620	-.4240
.300	-.4590	-.5350	-1.0150	-.6150	-.4270
.520	-.4420	-.3040	-.0360	-.7140	-.4350
.650	-.3480	-.1160	.0390	-.6360	-.3950
.775	-.3190	-.1540	-.0910	-.4760	-.4030
.900		-.2160	-.1840	-.3290	-.4060

MACH (2) = .997 BETA (2) = -4.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0930	-.0620	-.2320	-.1340	-.1820
.050	-.1960	-.6690	-.7050	-.2750	-.4500
.150	-.3420	-.5240	-.6240	-.2560	-.4540
.300	-.4270	-.5060	-.1980	-.2690	-.1510
.520	-.4420	-.1320	.1440	-.1740	-.1680
.650	-.3180	.0660	.2460	-.1530	-.2180
.775	-.2870	-.0080	.0370	-.0710	-.2890
.900		-.0870	-.1010	-.1520	-.2570

MACH (2) = .946 BETA (3) = [illegible]

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3340	.1520	.2450	.3160	.1160
.050	-.3830	-.6650	-.1510	-.0340	-.0490
.150	-.4260	-.4060	.0120	.0410	.0060
.300	-.4130	-.2560	.0760	.0650	-.0490
.520	-.3010	-.0920	.2010	.1230	-.0560
.650	-.2730	.3260	.2520	.1370	-.2250
.775	-.2340	.1210	.0920	-.0630	-.2590
.900		.0190	-.0600	-.2140	-.2580

MACH (2) = .942 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0780	.0890	-.0310	-.0620	-.3520
.050	-.4730	-.1840	.1880	.2570	.1600
.150	-.3650	-.1260	.1840	.1910	.0800
.300	-.2690	-.0990	930	.1460	-.0170

AMES 11-7X7 CA12 02A RIGHT VERTICAL (RBPR37)

SECTION / 1:RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .962 BETA (4) = 4.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.2520	-.0170	.2550	.1400	-.0690
.650	-.2760	.3900	.3140	.1290	-.1980
.775	-.2650	.2080	.1420	-.0470	-.2370
.900		.1040	-.0190	-.1920	-.2460

MACH (2) = .962 BETA (5) = 8.330

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0360	-.0860	-.3060	-.4750	-.5080
.050	-.2550	.0680	.3170	.3320	.2160
.150	-.1790	.0730	.2750	.2680	.1350
.300	-.0830	.0560	.2610	.2070	.0310
.520	-.1370	.0720	.2790	.1680	-.0730
.650	-.2640	.4570	.3280	.1380	-.2650
.775	-.2770	.2740	.1670	-.0240	-.3330
.900		.1730	.0050	-.2030	-.2940

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR38) (01 MAY 73)

REFERENCE DATA

SREF = 2.421(SQ.FT. XMRP = 28.53((INCHES
LREF = 39.84((INCHES YMRP = .((((INCHES
BREF = 39.84((INCHES ZMRP = .((((INCHES
SCALE = .((((SCALE

PARAMETRIC DATA

ALPHA = 2(.(((RUDDER = .(((
ELEVON = .(((RUDFLR = 4(.(((

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.(((

Z/BV	.158	.316	.6((	.84(	.925
X/CV					
.(((	.1120	-.(45(	.258(	-.752(	-.592(
.(5(	-.321(	-.92((	-1.(3(	-.66((	-.431(
.1((	-.379(	-.522(	-1.156(	-.691(	-.432(
.3((	-.376(	-.445(	-.7((	-.734(	-.453(
.52(	-.44((	-.27((	-.(7(	-.671(	-.499
.65(	-.346(	-.(25(	-.(16(	-.619(	-.48((
.775	-.357(	-.17((	-.161(	-.31((	-.5(2(
.9((		-.329(	-.268(	-.166(	-.481(

MACH (1) = .598 BETA (2) = -3.96(

Z/BV	.158	.316	.6((	.84(	.925
X/CV					
.(((	.379(	-.(94(	-.463(	-.462(	-.362(
.(5(	-.222(	-.655(	-.516(	-.425(	-.648(
.1((	-.242(	-.3((	-.489(	-.483(	-.318(
.3((	-.238(	-.263(	-.153(	-.227(	-.149(
.52(	-.348(	-.14((	.(12(	.(13(	-.146(
.65(	-.331(	.15((	.(61(	.(65(	-.177(
.775	-.267(	-.(3((	-.115(	-.(78(	-.262(
.9((		-.183(	-.271(	-.145(	-.175(

MACH (1) = .597 BETA (3) = .(8(

Z/BV	.158	.316	.6((	.84(	.925
X/CV					
.(((	.494(	.331(	.221(	.225(	.(44(
.(5(	-.22((	-.169(	-.15(	-.(67(	-.(78(
.1((	-.2(1(	-.13((	-.(9(	-.(13(	-.(41(
.3((	-.176(	-.127(	.(25(	.(46(	-.(5((
.52(	-.263(	-.(63(	.12((	.(69(	-.(8(((
.65(	-.321(	.291(	.16((	.(87(	-.16(((
.775	-.268(	.(71(	-.(21(	-.(52(	-.213(
.9((		-.(95(	-.181(	-.119(	-.174(

MACH (1) = .597 BETA (4) = 4.1(

Z/BV	.158	.316	.6((	.84(	.925
X/CV					
.(4	.394(	.(31(	-.167(	-.3(1(	-.554(
.(5	-.23((	.(58(	.2(5(	.196(	.162(
.15(	-.152(	.(37(	.155(	.124(	.(3(
.3((	-.139(	.(44(	.136(	.(83(	-.(1((
.52(	-.251(	.(24(	.151(	.(78(	-.(83(
.65(	-.358(	.378(	.197(	.(94(	-.17((
.775	-.324(	.176(	.17(	-.(5((	-.214(
.9((		.(16(	.55(	-.134(	-.199(

AMES 11-7UT CA12 02A RIGHT VERTICAL (RBPR38)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (5) = 8.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1960	-.6350	-.7190	-.7580	-.6220
.050	-.2120	.1640	.2960	.2700	.1400
.150	-.0950	.1220	.2550	.2080	.0790
.300	-.0680	.0880	.2080	.1480	.0260
.520	-.1690	.0940	.1820	.1160	-.0970
.650	-.2950	.3620	.2350	.0960	-.1990
.775	-.3260	.2090	.0750	-.0260	-.2780
.900		.0070	-.0790	-.1160	-.1690

MACH (2) = .901 BETA (1) = -8.080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.2040	-.2970	-.9540	-.7520	-.6860
.050	-.2100	-.4470	-.9450	-.6470	-.6140
.150	-.3440	-.4180	-1.0360	-.7050	-.5720
.300	-.3660	-.4380	-.2860	-.8330	-.5710
.520	-.3680	-.3110	-.1670	-.6350	-.6840
.650	-.3990	.0350	-.1760	-.3960	-.4600
.775	-.3180	-.0780	-.2870	-.1020	-.4670
.900		-.1220	-.4040	-.1480	-.4480

MACH (2) = .899 BETA (2) = -3.990

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1230	-.0190	-.1800	-.1790	-.2630
.050	-.0610	-.2740	-.6210	-.3510	-.5280
.150	-.2270	-.3260	-.3530	-.3840	-.4330
.300	-.3010	-.3780	-.0510	-.2320	-.1810
.520	-.3850	-.1520	.0860	.0250	-.2490
.650	-.3510	.2230	.0950	.0210	-.3090
.775	-.2920	.0510	-.0230	-.1150	-.3770
.900		-.0380	-.1640	-.3020	-.3770

MACH (2) = .901 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4410	.2140	.2280	.2690	.0710
.050	-.5250	-.8790	-.1240	-.0150	-.0410
.150	-.4880	-.5410	.0240	.0360	-.0180
.300	-.5580	-.2610	.0840	.0520	-.0760
.520	-.3640	-.1100	.2070	.0960	-.1030
.650	-.3130	.3480	.2490	.0940	-.2920
.775	-.2730	.1060	.0960	-.1000	-.3340
.900		-.0100	-.0580	-.2730	-.3480

MACH (2) = .900 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0610	-.2510	.0080	-.1300	-.4490
.050	-1.0650	-.8700	.1580	.2280	.1240
.150	-.5960	-.5590	.1480	.1650	.0530
.300	-.4920	-.2550	.1520	.1260	-.0370

AMES 11-FT OA12 OEA RIGHT VERTICAL (RBPR38)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (4) = 4.220

Z/BV	.158	.316	.600	.840	.925
X/CV					
.520	-.3010	-.1200	.2180	.1300	-.1020
.650	-.2880	.0340	.3250	.1160	-.2700
.775	-.2820	-.0270	.1450	-.0650	-.3200
.900		-.0920	.0130	-.2510	-.3290

MACH (2) = .899 BET (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.660	-.0690	-.2840	-.1730	-.6280	-.6910
.650	-.6910	-.3990	.2810	.2840	.1620
.150	-.5650	-.1400	.2440	.2280	.0870
.300	-.3020	-.0470	.2330	.1720	.0690
.520	-.2180	.0510	.2460	.1370	-.1240
.650	-.2800	.3160	.2950	.0900	-.2900
.775	-.3130	.2350	.1420	-.0610	-.3450
.900		.1500	-.0170	-.2340	-.3340

AMES 11-7X7 OA12 02A RIGHT VERTICAL (RBPR39) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.530U INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .U3UU SCALE

PARAMETRIC DATA

BETA = .UUU RUDDER = .UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.U93 ALPHA (1) = -4.55U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.699U	.585U	.522U	.582U	.411U
.U5U	.129U	-.2U7U	-.28UU	-.226U	-.181U
.15U	.U74U	.U32U	.U69U	.U41U	.U17U
.3UU	.U4UU	.U31U	.U36U	-.U43U	-. 22U
.52U	-.U13U	-.U56U	-.U62U	-.U61U	-..U65U
.65U	-.4U9U	-.678U	-.692U	-.688U	-.65UU
.775	-.377U	-.5U5U	-.627U	-.698U	-.685U
.9UU		-.427U	-.667U	-.693U	-.625U

MACH (1) = 1.1UU ALPHA (2) = -3.52U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.689U	.561U	.493U	.559U	.387U
.U5U	.124U	-.223U	-.3U2U	-.234U	-.171U
.15U	.U62U	.U13U	.U5UU	.U35U	.U07U
.3UU	.U25U	.U11U	.U24U	-.U4UU	-.U31U
.52U	-.U31U	-.U73U	-.U71U	-.U7UU	-.U74U
.65U	-.417U	-.679U	-.691U	-.687U	-.653U
.775	-.379U	-.5U8U	-.627U	-.698U	-.686U
.9UU		-.424U	-.667U	-.693U	-.63UU

MACH (1) = 1.1UU ALPHA (3) = -1.49U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.673U	.524U	.448U	.516U	.341U
.U5U	.111U	-.253U	-.332U	-.237U	-.171U
.15U	.U4UU	-.U18U	.U2UU	.U17U	-.U17U
.3UU	-.U11U	-.U27U	.U42U	-.U23U	-.U53U
.52U	-.U67U	-.U97U	-.U91U	-.U9UU	-.U93U
.65U	-.435U	-.689U	-.696U	-.694U	-.665U
.775	-.375U	-.518U	-.637U	-.7U7U	-.695U
.9UU		-.423U	-.674U	-.7U1U	-.645U

MACH (1) = 1.U98 ALPHA (4) = .54U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.624U	.499U	.389U	.459U	.289U
.U5U	.U92U	-.279U	-.377U	-.271U	-.193U
.15U	.U13U	-.U54U	-.U19U	-.U11U	-.U45U
.3UU	-.U5UU	-.U68U	-.U4UU	-.U47U	-.U81U
.52U	-.1U4U	-.132U	-.116U	-.117U	-.121U
.65U	-.458U	-.7U3U	-.7U9U	-.7U3U	-.676U
.775	-.379U	-.53UU	-.653U	-.72UU	-.7U9U
.9UU		-.427U	-.686U	-.7.7U	-.665U

AMES 11-7U7 OA12 OEA RIGHT VERTICAL (RBFR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.1UU ALPHA (5) = 2.51U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.57UU	.471U	.336U	.4U8U	.231U
.U5U	.U67U	-.3U1U	-.399U	-.297U	-.224U
.15U	-.U13U	-.U89U	-.U58U	-.U41U	-.U7UU
.3UU	-.U83U	-.1U6U	-.U71U	-.U73U	-.1U5U
.52U	-.13UU	-.157U	-.141U	-.142U	-.143U
.65U	-.512U	-.714U	-.72UU	-.711U	-.685U
.775	-.383U	-.554U	-.68UU	-.728U	-.72UU
.9UU		-.433U	-.692U	-.72UU	-.68UU

MACH (1) = 1.U99 ALPHA (6) = 4.U5U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.554U	.449U	.3UUU	.367U	.184U
.U5U	.U51U	-.315U	-.41.U	-.32UU	-.245U
.15U	-.U29U	-.1U9U	-.U85U	-.U68U	-.U94U
.3UU	-.1U2U	-.13UU	-.U94U	-.U96U	-.127U
.52U	-.147U	-.176U	-.163U	-.162U	-.166U
.65U	-.565U	-.724U	-.731U	-.717U	-.698U
.775	-.385U	-.57UU	-.668U	-.737U	-.729U
.9UU		-.441U	-.699U	-.727U	-.696U

MACH (1) = 1.1UU ALPHA (7) = 6.63U

Z/BV	.153	.316	.6UU	.84U	.925
X/CV					
.UUU	.5U4U	.412U	.225U	.293U	.111U
.U5U	.U16U	-.344U	-.423U	-.356U	-.273U
.15U	-.U65U	-.152U	-.13UU	-.1U3U	-.123U
.3UU	-.142U	-.173U	-.133U	-.129U	-.162U
.52U	-.171U	-.2U2U	-.196U	-.196U	-.199U
.65U	-.614U	-.739U	-.74UU	-.734U	-.718U
.775	-.391U	-.613U	-.675U	-.748U	-.742U
.9UU		-.451U	-.716U	-.739U	-.716U

MACH (1) = 1.1UU ALPHA (8) = 8.59U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.479U	.381U	.182U	.236U	.059U
.U5U	-.UU8U	-.364U	-.452U	-.38UU	-.3U7U
.15U	-.U99U	-.186U	-.166U	-.141U	-.158U
.3UU	-.178U	-.2U7U	-.172U	-.158U	-.187U
.52U	-.2UUU	-.225U	-.223U	-.222U	-.227U
.65U	-.615U	-.746U	-.752U	-.749U	-.731U
.775	-.394U	-.618U	-.689U	-.76UU	-.755U
.9UU		-.463U	-.729U	-.75UU	-.737U

MACH (1) = 1.U99 ALPHA (9) = 9.97U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.461U	.352U	.153U	.2U1U	.U29U
.U5U	-.U21U	-.369U	-.462U	-.391U	-.329U
.15U	-.113U	-.212U	-.187U	-.166U	-.18UU
.3UU	-.2U3U	-.23UU	91U	-.173U	-.2U4U

AMES 11-7ft OA12 O2A RIGHT VERTICAL (RBPR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (9) = 9.97D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.52D	-.223D	-.243D	-.238D	-.238D	-.243D
.65D	-.6D9D	-.752D	-.757D	-.756D	-.737D
.775	-.399D	-.6D8D	-.696D	-.764D	-.763D
.9DD		-.471D	-.736D	-.753D	-.746D

MACH (1) = 1.1D1 ALPHA (1D) = 14.97D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.DDD	.438D	.298D	.D66D	.D83D	-.D77D
.D5D	-.D63D	-.386D	-.497D	-.418D	-.354D
.15D	-.143D	-.257D	-.249D	-.225D	-.243D
.3DD	-.268D	-.287D	-.248D	-.227D	-.258D
.52D	-.272D	-.289D	-.278D	-.282D	-.297D
.65D	-.648D	-.761D	-.773D	-.77DD	-.764D
.775	-.433D	-.645D	-.712D	-.778D	-.782D
.9DD		-.5D8D	-.747D	-.768D	-.768D

MACH (2) = 1.247 ALPHA (1) = -4.44D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.DDD	.8D1D	.668D	.565D	.619D	.466D
.D5D	.2D2D	-.D71D	-.2D5D	-.157D	-.D77D
.15D	.194D	.117D	.12DD	.143D	.137D
.3DD	.123D	.D93D	.1D8D	.114D	.D88D
.52D	.D57D	.D19D	.D23D	.D5DD	.D56D
.65D	-.352D	-.492D	-.474D	-.466D	-.44DD
.775	-.337D	-.473D	-.444D	-.486D	-.477D
.9DD		-.35DD	-.469D	-.484D	-.441D

MACH (2) = 1.248 ALPHA (2) = -3.47D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.DDD	.788D	.644D	.543D	.591D	.435D
.D5D	.198D	-.D67D	-.21DD	-.174D	-.D9DD
.15D	.18DD	.D97D	.1D5D	.122D	.117D
.3DD	.1D7D	.D71D	.D85D	.D94D	.D76D
.52D	.D35D	.DD5D	.DD6D	.D32D	.D41D
.65D	-.362D	-.498D	-.482D	-.472D	-.447D
.775	-.334D	-.484D	-.455D	-.495D	-.486D
.9DD		-.354D	-.479D	-.492D	-.453D

MACH (2) = 1.247 ALPHA (3) = -1.47D

Z/BV	.158	.316	.6DD	.84D	.925
X/CV					
.DDD	.753D	.614D	.491D	.54DD	.382D
.D5D	.172D	-.11DD	-.228D	-.192D	-.112D
.15D	.154D	.D68D	.D7DD	.D88D	.D84D
.3DD	.D77D	.D37D	.D51D	.D64D	.D48D
.52D	.DD4D	-.D24D	-.D19D	.DD5D	.D16D

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBFR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.247 ALPHA (3) = -1.47U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.65U	-.386U	-.5U9U	-.493U	-.478U	-.454U
.775	-.331U	-.5U6U	-.466U	-.5U3U	-.496U
.9U		-.363U	-.49U	-.5U4U	-.468U

MACH (2) = 1.249 ALPHA (4) = .52U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UU	.68UU	.581U	.44U	.487U	.323U
.U5U	.162U	-.137U	-.236U	-.221U	-.14UU
.15U	.12UU	.037U	.U36U	.U49U	.U5UU
.3UU	.U45U	-.UU1U	.U19U	.U33U	.U18U
.52U	-.U31U	-.U56U	-.U44U	-.U26U	-.U11U
.65U	-.399U	-.522U	-.5U8U	-.49UU	-.467U
.775	-.345U	-.52UU	-.478U	-.514U	-.5U8U
.9UU		-.376U	-.5U2U	-.5U9U	-.485U

MACH (2) = 1.25U ALPHA (5) = 2.58U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UU	.64UU	.544U	.393U	.436U	.273U
.U5U	.122U	-.155U	-.255U	-.239U	-.1C1U
.15U	.U91U	.U65U	.U3U	.U26U	.U18U
.3UU	.U1UU	-.U36U	-.U15U	.U1UU	-.U09U
.52U	-.U57U	-.U8UU	-.U66U	-.U5UU	-.U37U
.65U	-.445U	-.531U	-.521U	-.5U5U	-.483U
.775	-.353U	-.542U	-.485U	-.523U	-.516U
.9UU		-.393U	-.511U	-.519U	-.498U

MACH (2) = 1.249 ALPHA (6) = 4.57U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UU	.6U6U	.515U	.336U	.385U	.222U
.U5U	.U82U	-.171U	-.265U	-.255U	-.18UU
.15U	.U7UU	-.U18U	-.U32U	-.U6UU	-.U11U
.3UU	-.U15U	-.U67U	-.U47U	-.U15U	-.U37U
.52U	-.U76U	-.1U3U	-.U87U	-.U73U	-.U64U
.65U	-.481U	-.542U	-.532U	-.517U	-.498U
.775	-.365U	-.556U	-.489U	-.533U	-.528U
.9UU		-.4U9U	-.52UU	-.529U	-.514U

MACH (2) = 1.248 ALPHA (7) = 6.67U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UUU	.571U	.489U	.288U	.341U	.182U
.U5U	.U6UU	-.199U	-.274U	-.267U	-.2U2U
.15U	.U45U	-.U44U	-.U58U	-.U36U	-.U41U
.3UU	-.U42U	-.U91U	-.U77U	-.U4UU	-.U62U
.52U	-.U91U	-.119U	-.1U5U	-.U96U	-.U84U
.65U	-.491U	-.547U	-.539U	-.528U	-.5U9U

AMES 11-7X7 OA12 O2A RIGHT VERTICAL (RBPR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.248 ALPHA (7) = 6.570

Z/BV	.158	.316	.600	.840	.925
X/CV					
.775	-.3810	-.5570	-.4970	-.5410	-.5360
.900		-.4240	-.5280	-.5360	-.5270

MACH (2) = 1.249 ALPHA (6) = 8.650

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5520	.4580	.2590	.3000	.1440
.050	.0430	-.2220	-.2990	-.2820	-.2170
.150	.0130	-.0730	-.0840	-.0660	-.0640
.300	-.0730	-.1170	-.0960	-.0670	-.0850
.520	-.1190	-.1420	-.1290	-.1150	-.1050
.650	-.4960	-.5530	-.5470	-.5390	-.5210
.775	-.3910	-.5590	-.5060	-.5480	-.5470
.900		-.4410	-.5350	-.5410	-.5400

MACH (2) = 1.248 ALPHA (9) = 10.030

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5480	.4330	.2360	.2720	.1210
.050	.0380	-.2280	-.3110	-.2870	-.2280
.150	.0020	-.0950	-.0980	-.0840	-.0800
.300	-.0930	-.1330	-.1140	-.0810	-.1060
.520	-.1340	-.1560	-.1480	-.1300	-.1240
.650	-.5060	-.5580	-.5570	-.5490	-.5340
.775	-.3900	-.5640	-.5170	-.5550	-.5600
.900		-.4430	-.5440	-.5500	-.5530

MACH (2) = 1.244 ALPHA (10) = 14.980

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5550	.3900	.1690	.1780	.0400
.050	.0220	-.2720	-.3340	-.3290	-.2740
.150	-.0320	-.1270	-.1510	-.1270	-.1420
.300	-.1380	-.1860	-.1580	-.1300	-.1560
.520	-.1680	-.1910	-.1890	-.1830	-.1750
.650	-.5320	-.5730	-.5770	-.5720	-.5640
.775	-.4250	-.5850	-.5410	-.5790	-.5750
.900		-.4790	-.5650	-.5750	-.5740

MACH (3) = 1.398 ALPHA (1) = -4.420

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.8590	.7190	.5950	.6380	.4740
.050	.2520	-.0110	-.1260	-.1180	-.0690
.150	.2530	.1750	.1570	.1770	.1890
.300	.1780	.1280	.1370	.1600	.1480
.520	.1070	.0720	.0810	.1030	.1110
.650	-.2640	-.3630	-.3400	-.3220	-.3060
.775	-.3070	-.3710	-.3230	-.3490	-.3420

AMES 11-7U7 OA12 C2A RIGHT VERTICAL (RBPR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (1) = -4.42U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.9UU		-.285U	-.344U	-.347U	-.321U

MACH (3) = 1.395 ALPHA (2) = -3.42U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.846U	.702U	.572U	.618U	.451U
.U5U	.238U	-.U31U	-.135U	-.136U	-.U74U
.15U	.239U	.161U	.141U	.162U	.173U
.3UU	.164U	.111U	.121U	.146U	.136U
.52U	.U88U	.U55U	.U66U	.U89U	.1UUU
.65U	-.277U	-.374U	-.349U	-.329U	-.3U7U
.775	-.317U	-.381U	-.325U	-.355U	-.35UU
.9UU		-.298U	-.351U	-.353U	-.333U

MACH (3) = 1.398 ALPHA (3) = -1.43U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.79UU	.663U	.518U	.556U	.396U
.U5U	.223U	-.U57U	-.152U	-.152U	-.U96U
.15U	.2U3U	.128U	.1U6U	.124U	.134U
.3UU	.126U	.U74U	.U85U	.113U	.1U3U
.52U	.U53U	.U21U	.U36U	.U56U	.U7UU
.65U	-.311U	-.39UU	-.366U	-.344U	-.327U
.775	-.327U	-.399U	-.341U	-.367U	-.361U
.9UU		-.319U	-.365U	-.366U	-.347U

MACH (3) = 1.397 ALPHA (4) = .52U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.7U2U	.629U	.467U	.5U9U	.35UU
.U5U	.2U1U	-.U8UU	-.169U	-.163U	-.12UU
.15U	.171U	.U96U	.U72U	.U96U	.U99U
.3UU	.U93U	.U39U	.U52U	.U8UU	.U69U
.52U	.U19U	-.U12U	.U46U	.U25U	.U41U
.65U	-.319U	-.4U7U	-.379U	-.358U	-.341U
.775	-.33UU	-.421U	-.347U	-.375U	-.374U
.9UU		-.337U	-.373U	-.374U	-.364U

MACH (3) = 1.398 ALPHA (5) = 2.6UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.656U	.59UU	.416U	.464U	.3U7U
.U5U	.168U	-.U95U	-.176U	-.183U	-.136U
.15U	.144U	.U65U	.U45U	.U61U	.U63U
.3UU	.U68U	.U13U	.U26U	.U48U	.U38U
.52U	-.UU1U	-.U31U	-.U22U	-.U65U	.UU9U
.65U	-.356U	-.413U	-.395U	-.378U	-.358U
.775	-.335U	-.431U	-.358U	-.389U	-.386U
.9UU		-.349U	-.388U	-.388U	-.379U

AMES 11-707 OA12 C2A RIGHT VERTICAL (RBPR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (5) = 1.397 ALPHA (6) = 4.570

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6240	.5640	.3790	.4250	.2700
.050	.1290	-.0970	-.1780	-.1920	-.1530
.150	.1300	.0530	.0270	.0380	.0380
.300	.0480	-.0050	-.0020	.0270	.0190
.520	-.0190	-.0490	-.0450	-.0260	-.0130
.650	-.3840	-.4120	-.4030	-.3880	-.3670
.775	-.3380	-.4310	-.3660	-.3960	-.3970
.900		-.3630	-.3950	-.3940	-.3950

MACH (3) = 1.399 ALPHA (7) = 6.440

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5950	.5390	.3460	.3830	.2380
.050	.1050	-.1160	-.1850	-.1960	-.1640
.150	.1130	.0350	.0030	.0110	.0140
.300	.0290	-.0230	-.0240	.0070	-.0070
.520	-.0350	-.0630	-.0650	-.0490	-.0360
.650	-.3900	-.4170	-.4110	-.3990	-.3790
.775	-.3370	-.4310	-.3770	-.4050	-.4050
.900		-.3760	-.4030	-.4040	-.4030

MACH (3) = 1.398 ALPHA (8) = 8.710

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5790	.5030	.3070	.3320	.2010
.050	.0960	-.1400	-.2130	-.2140	-.1790
.150	.0810	-.0030	-.0260	-.0170	-.0120
.300	-.0050	-.0500	-.0480	-.0220	-.0310
.520	-.0650	-.0950	-.0960	-.0700	-.0620
.650	-.3960	-.4250	-.4190	-.4090	-.3930
.775	-.3470	-.4330	-.3870	-.4150	-.4180
.900		-.3880	-.4160	-.4130	-.4160

MACH (3) = 1.397 ALPHA (9) = 10.110

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5850	.4750	.2810	.3040	.1790
.050	.0900	-.1390	-.2170	-.2210	-.1860
.150	.0690	-.0170	-.0460	-.0310	-.0300
.300	-.0370	-.0700	-.0660	-.0370	-.0500
.520	-.0830	-.1110	-.1060	-.0870	-.0800
.650	-.4050	-.4300	-.4290	-.4190	-.4040
.775	-.3490	-.4380	-.4060	-.4240	-.4240
.900		-.3940	-.4180	-.4230	-.4220

MACH (3) = 1.394 ALPHA (10) = 15.03[illegible]

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6270	.4260	.2090	.2150	.0970
.050	.0800	-.1910	-.2350	-.2380	-.2060
.150	.0320	-.0580	-.0840	-.0740	-.0810
.300	-.0760	-.1200	-.1110	-.0860	-.0980

AMES 11-7U7 OA12 02A RIGHT VERTICAL (RBPR39)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.394 ALPHA (1U) = 15.030

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.125U	-.143U	-.141U	-.126U	-.121U
.65U	-.43UU	-.444U	-.447U	-.438U	-.434U
.775	-.366U	-.453U	-.42UU	-.444U	-.446U
.9UU		-.413U	-.439U	-.443U	-.446U

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR40) (01 MAY 73)

REFERENCE DATA

SREF = 2.421. SQ.FT. XMRP = 28.530 INCHES
LREF = 39.849 INCHES YMRP = .000 INCHES
BREF = 39.849 INCHES ZMRP = .000 INCHES
SCALE = .130 SCALE

PARAMETRIC DATA

ALPHA = .50 RUDDER = .00
ELEVON = .00 RUDFLR = .00

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (1) = -8.08

Z/BV	.158	.316	.60	.84	.925
X/CV					
.00	.358	.134	.000	.064	.090
.05	-.116	-.688	-.761	-.905	-.969
.15	-.174	-.635	-.691	-.813	-.929
.30	-.269	-.263	-.574	-.661	-.781
.52	-.349	-.368	-.578	-.614	-.577
.65	-.480	-.809	-.793	-.943	-.849
.775	-.408	-.482	-.783	-.824	-.894
.90		-.463	-.645	-.631	-.648

MACH (1) = 1.101 BETA (2) = -4.00

Z/BV	.158	.316	.60	.84	.925
X/CV					
.00	.469	.401	.272	.340	.238
.05	.013	-.558	-.768	-.844	-.842
.15	-.071	-.258	-.399	-.689	-.694
.30	-.160	-.218	-.277	-.366	-.529
.52	-.232	-.277	-.267	-.181	-.163
.65	-.489	-.772	-.719	-.736	-.677
.775	-.374	-.512	-.705	-.737	-.710
.90		-.444	-.748	-.735	-.679

MACH (1) = 1.100 BETA (3) = -1.96

Z/BV	.158	.316	.60	.84	.925
X/CV					
.00	.546	.475	.354	.421	.290
.05	.047	-.458	-.632	-.643	-.638
.15	-.028	-.145	-.187	-.223	-.272
.30	-.109	-.152	-.147	-.161	-.135
.52	-.176	-.211	-.187	-.148	-.149
.65	-.459	-.736	-.709	-.687	-.652
.775	-.384	-.537	-.679	-.715	-.718
.90		-.456	-.714	-.715	-.665

MACH (1) = 1.099 BETA (4) = .08

Z/BV	.158	.316	.60	.84	.925
X/CV					
.00	.622	.501	.388	.457	.287
.05	.091	-.282	-.383	-.273	-.200
.15	.014	-.055	-.025	-.011	-.044
.30	-.052	-.072	-.039	-.047	-.077
.52	-.106	-.136	-.116	-.116	-.119
.65	-.458	-.703	-.707	-.700	-.673
.775	-.379	-.531	-.651	-.716	-.709
.90		-.427	-.683	-.709	-.663

AMES 11-7X7 OA12 O2A RIGHT VERTICAL (RBFR40)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (5) = 2.150

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5600	.5120	.4300	.4140	.2050
.050	.1410	-.1090	-.0040	.0720	.0590
.150	.0570	.0180	.0940	.0800	.0180
.300	.0650	.0260	.0330	.0160	-.0470
.520	-.0450	-.0740	-.0860	-.1100	-.1150
.650	-.4200	-.6810	-.6970	-.7000	-.6830
.775	-.3840	-.5080	-.6240	-.7080	-.7040
.900		-.4260	-.6520	-.6920	-.6770

MACH (1) = 1.100 BETA (6) = 4.230

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4570	.4860	.3900	.3250	.1050
.050	.1890	.0880	.1880	.2130	.1670
.150	.1050	.1360	.1640	.1490	.0740
.300	.0920	.1090	.0880	.0700	-.0200
.520	.0110	-.0410	-.0650	-.1050	-.1240
.650	-.3830	-.6700	-.6860	-.6930	-.6970
.775	-.3780	-.4680	-.5970	-.6930	-.7060
.900		-.4120	-.6220	-.6750	-.6850

MACH (1) = 1.099 BETA (7) = 8.390

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2570	.3250	.2540	.1450	-.1110
.050	.2550	.3620	.3950	.3860	.3090
.150	.2190	.3040	.2970	.2740	.1730
.300	.2320	.2290	.1910	.1520	.0500
.520	.1020	.0480	-.0330	-.0750	-.1490
.650	-.2880	-.6280	-.6590	-.6740	-.6680
.775	-.3720	-.3730	-.5260	-.6370	-.6650
.900		-.4010	-.5350	-.6120	-.6250

MACH (2) = 1.230 BETA (1) = -8.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3510	.2460	.1500	.1970	.2090
.050	.0180	-.4860	-.5780	-.7440	-.7670
.150	-.0350	-.4550	-.5150	-.6600	-.6820
.300	-.1290	-.1460	-.3630	-.5900	-.5710
.520	-.2160	-.2410	-.3360	-.4380	-.4490
.650	-.4580	-.6290	-.6140	-.6370	-.6790
.775	-.3800	-.4810	-.5730	-.6500	-.7050
.900		-.3870	-.6120	-.6540	-.6680

MACH (2) = 1.247 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4120	.4880	.3680	.4450	.3350
.050	.1470	-.3760	-.5500	-.6080	-.6160
.150	.0490	-.1400	-.3630	-.4790	-.4830
.300	-.0380	-.1020	.140	-.3620	-.3790

AMES 11-FT OA12 02A RIGHT VERTICAL (RBPR40)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETA (2) = -3.07U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.52U	-.122U	-.172U	-.153U	-.092U	-.057U
.65U	-.408U	-.598U	-.549U	-.535U	-.494U
.775	-.374U	-.463U	-.528U	-.539U	-.513U
.9UU		-.395U	-.561U	-.539U	-.487U

MACH (2) = 1.247 BETA (3) = -1.94U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.5U6U	.552U	.425U	.49UU	.351U
.05U	.177U	-.287U	-.445U	-.486U	-.46UU
.15U	.U92U	-.U26U	-.U86U	-.263U	-.344U
.3UU	.UU3U	-.U58U	-.U65U	-.U44U	-.U34U
.52U	-.U78U	-.119U	-.1U3U	-.U49U	-.U29U
.65U	-.37UU	-.554U	-.521U	-.499U	-.463U
.775	-.358U	-.5U6U	-.5U2U	-.523U	-.516U
.9UU		-.399U	-.531U	-.521U	-.492U

MACH (2) = 1.246 BETA (4) = .08U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.677U	.578U	.446U	.488U	.324U
.05U	.16UU	-.137U	-.243U	-.22UU	-.148U
.15U	.117U	.U34U	.U34U	.U51U	.U47U
.3UU	.U41U	-.UU1U	.U14U	.U31U	.U15U
.52U	-.U32U	-.U59U	-.U48U	-.U27U	-.U13U
.65U	-.399U	-.527U	-.511U	-.491U	-.471U
.775	-.345U	-.525U	-.482U	-.517U	-.512U
.9UU		-.38UU	-.5U5U	-.514U	-.49UU

MACH (2) = 1.245 BETA (5) = 2.14U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.527U	.589U	.47UU	.474U	.287U
.05U	.232U	.U2UU	-.U46U	.U91U	.115U
.15U	.163U	.U99U	.14UU	.152U	.113U
.3UU	.U92U	.U77U	.116U	.111U	.056U
.52U	.U2UU	-.UU1U	-.U11U	.U05U	.UU3U
.65U	-.37UU	-.5U1U	-.495U	-.494U	-.482U
.775	-.343U	-.49UU	-.455U	-.5U7U	-.5U8U
.9UU		-.363U	-.474U	-.499U	-.499U

MACH (2) = 1.245 BETA (6) = 4.21U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.421U	.569U	.471U	.427U	.218U
.05U	.276U	.177U	.237U	.285U	.258U
.15U	.2U3U	.175U	.234U	.238U	.182U
.3UU	.142U	.154U	.175U	.172U	.105U
.52U	.U75U	.U52U	.U44U	.U33U	.U03U

AMES 11-7ft OA12 O2A RIGHT VERTICAL (RBPR40)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETA (6) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.650	-.3040	-.4790	-.4820	-.4840	-.4790
.775	-.3350	-.4130	-.4320	-.4870	-.5020
.900		-.3320	-.4410	-.4760	-.4940

MACH (2) = 1.247 BETA (7) = 8.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2840	.4160	.3630	.2620	.0280
.050	.3410	.3690	.4690	.4750	.4170
.150	.2480	.3490	.3920	.3790	.2900
.300	.2590	.3060	.3020	.2740	.1840
.520	.1910	.1610	.1240	.0770	.0170
.650	-.1930	-.4270	-.4520	-.4630	-.4580
.775	-.3070	-.2490	-.3700	-.4350	-.4630
.900		-.2640	-.3540	-.4190	-.4290

MACH (3) = 1.396 BETA (1) = -8.040

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2430	.2910	.2380	.2820	.2900
.050	.0580	-.3770	-.4550	-.5040	-.5940
.150	.0320	-.3680	-.4600	-.5040	-.5200
.300	-.0570	-.1770	-.2690	-.4430	-.4250
.520	-.1440	-.1620	-.2470	-.3450	-.3230
.650	-.3640	-.4970	-.4960	-.5180	-.5230
.775	-.3780	-.4130	-.4530	-.5020	-.5640
.900		-.3810	-.4790	-.5070	-.5430

MACH (3) = 1.399 BETA (2) = -3.970

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4440	.5510	.4270	.5140	.3920
.050	.2030	-.2710	-.4340	-.4440	-.4450
.150	.1120	-.0830	-.3220	-.3340	-.3360
.300	.0340	-.0220	-.0580	-.2600	-.2510
.520	-.0500	-.0960	-.0390	-.0360	-.0440
.650	-.2980	-.4630	-.4290	-.4050	-.3770
.775	-.3530	-.3730	-.4110	-.4070	-.3830
.900		-.3580	-.4330	-.4080	-.3610

MACH (3) = 1.397 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7190	.6370	.4780	.5220	.3600
.050	.2140	-.0700	-.1620	-.1700	-.1280
.150	.1840	.1090	.0860	.0990	.1060
.300	.1070	.0540	.0560	.0830	.0760
.520	.0320	.0010	.0110	.0260	.0460
.650	-.3040	-.3930	-.3780	-.3580	-.3410

AMES 11-7X7 OA12 02A RIGHT VERTICAL (RBFR4U)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (3) = 1.397 BETA (3) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.775	-.3190	-.4080	-.3480	-.3780	-.3720
.900		-.3220	-.3740	-.3740	-.3600

MACH (3) = 1.394 BETA (4) = 4.210

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4060	.6310	.4920	.4770	.2860
.050	.3200	.2460	.2280	.3090	.2970
.150	.2510	.2130	.2630	.2900	.2480
.300	.1790	.1750	.2260	.2430	.1780
.520	.1270	.1180	.1030	.1210	.0850
.650	-.2430	-.3450	-.3380	-.3370	-.3310
.775	-.2910	-.3370	-.2980	-.3430	-.3560
.900		-.2530	-.3160	-.3400	-.3570

MACH (3) = 1.392 BETA (5) = 8.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.1630	.4520	.4200	.3290	.1230
.050	.3900	.3880	.4940	.5180	.4740
.150	.2810	.3150	.4320	.4310	.3640
.300	.2380	.3340	.3530	.3530	.2620
.520	.2290	.2250	.2130	.1790	.1170
.650	-.1480	-.2970	-.3110	-.3190	-.3160
.775	-.2370	-.1990	-.2380	-.2990	-.3290
.900		-.1820	-.2430	-.2880	-.3440

AMES 11-7U7 OA12 OEA RIGHT VERTICAL (RBPR41) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.8[illegible] INCHES ZMRP = .UUUU INCHES
SCALE = .UUUU SCALE

PARAMETRIC DATA

ALPHA = -4.UUU RUDDER = -1U.UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .6UU BETA (1) = -4.91U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.111U	-.195U	-.162U	.U81U	.196U
.U5U	-.477U	-.78UU	-.595U	-.631U	-.7U4U
.15U	-.252U	-.337U	-.434U	-.368U	-.281U
.3UU	-.2U5U	-.256U	-.295U	-.261U	-.2U2U
.52U	-.245U	-.283U	-.254U	-.226U	-.248U
.65U	-.23UU	-.255U	-.226U	-.196U	-.383U
.775	-.199U	-.172U	-.135U	-.124U	-.1U2U
.9UU		-.144U	-.U84U	-.U43U	-.U23U

MACH (1) = .598 BETA (2) = .09U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.486U	.476U	.428U	.462U	.261U
.U5U	-.U28U	-.169U	-.13UU	-.11UU	-.U71U
.15U	-.U49U	-.U6UU	-.U49U	-.U36U	-.U47U
.3UU	-.U57U	-.U94U	-.U82U	-.U69U	-.U73U
.52U	-.185U	-.223U	-.184U	-.166U	-.199U
.65U	-.262U	-.213U	-.161U	-.171U	-.4U5U
.775	-.173U	-.145U	-.U95U	-.143U	-.141U
.9UU		-.132U	-.U89U	-.12UU	-.U81U

MACH (1) = .6UU BETA (3) = 5.28U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.U43U	.U79U	.U92U	-.U88U	-.415U
.U5U	.238U	.268U	.3U8U	.319U	.254U
.15U	.164U	.167U	.198U	.193U	.134U
.3UU	.1U3U	.U68U	.1U3U	.U84U	.U28U
.52U	-.U95U	-.13UU	-.U61U	-.U75U	-.117U
.65U	-.272U	-.133U	-.U69U	-.U99U	-.3R4U
.775	-.151U	-.1U2U	-.U41U	-.1U6U	-.141U
.9UU		-.121U	-.U72U	-.111U	-.U92U

MACH (2) = .9UU BETA (1) = -4.99U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.367U	.136U	-.UU4U	.134U	.116U
.U5U	-.573U	-.96UU	-.977U	-1.U93U	-1.137U
.15U	-.3U6U	-.7U9U	-.848U	-.7U2U	-1.U11U
.3UU	-.337U	-.4U5U	-.673U	-.574U	-.675U
.52U	-.363U	-.415U	-.457U	-.454U	-.382U
.65U	-.272U	-.327U	-.4U3U	-.435U	-.676U
.775	-.248U	-.261U	- 3[illegible]5U	-.376U	-.332U
.9UU		-.237U	[illegible]6U	-.295U	-.234U

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR41)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .900 BETA (2) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4810	.4410	.4120	.4770	.2730
.050	-.0800	-.3490	-.2980	-.3310	-.3130
.150	-.1270	-.1050	-.1050	-.1290	-.1480
.300	-.1120	-.1260	-.1330	-.1660	-.1840
.520	-.1970	-.2930	-.2470	-.2490	-.2610
.650	-.3140	-.3030	-.3590	-.3440	-.8830
.775	-.2260	-.2210	-.2590	-.3440	-.5750
.900		-.2200	-.2490	-.4730	-.2540

MACH (2) = .901 BETA (3) = 5.360

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2640	.3410	.2700	.1730	-.1160
.050	.2090	.2220	.2540	.2630	.1650
.150	.1520	.1630	.1630	.1430	.0420
.300	.1160	.0780	.0640	.0120	-.0730
.520	-.0530	-.1650	-.1410	-.1870	-.1540
.650	-.3730	-.1890	-.1640	-.2140	-.7530
.775	-.2660	-.1470	-.1510	-.2760	-.5510
.900		-.1790	-.2260	-.4570	-.1500

AMES 11-7U7 OA12 02A RIGHT VERTICAL (RBPR42) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .03UU SCALE

PARAMETRIC DATA

ALPHA = -4.UUU RUDDER = -2U.UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) = -4.9UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.129U	-.161U	-.07UU	.2U8U	.252U
.U5U	-.456U	-.712U	-.527U	-.568U	-.647U
.15U	-.241U	-.319U	-.355U	-.22UU	-.179U
.3UU	-.194U	-.229U	-.177U	-.122U	-.121U
.52U	-.247U	-.195U	-.U49U	-.U46U	-.17UU
.65U	-.249U	-.U37U	.U69U	-.U15U	-.422U
.775	-.197U	-.U91U	-.U24U	-.113U	-.187U
.9UU		-.133U	-.U7UU	-.14UU	-.1U1U

MACH (1) = .596 BETA (2) = .1UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.482U	.482U	.443U	.436U	.219U
.U5U	-.U16U	-.135U	-.1U3U	.U29U	.U18U
.15U	-.U27U	-.U39U	.U22U	.U47U	.U16U
.3UU	-.U39U	-.U63U	.U26U	.U28U	-.U23U
.52U	-.175U	-.126U	.U3UU	.UUUU	-.145U
.65U	-.267U	.U4UU	.1U1U	.U21U	-.459U
.775	-.167U	-.U41U	.UU8U	-.129U	-.229U
.9UU		-.1U3U	-.111U	-.179U	-.157U

MACH (1) = .59U BETA (3) = 5.29U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.U64U	.U32U	.U21U	-.174U	-.578U
.U5U	.244U	.274U	.357U	.374U	.298U
.15U	.171U	.184U	.257U	.258U	.168U
.3UU	.111U	.U95U	.186U	.159U	.U73U
.52U	-.U92U	-.U41U	.128U	.U62U	-.U94U
.65U	-.265U	.111U	.173U	.U69U	-.388U
.775	-.185U	.U14U	.U72U	-.U9UU	-.213U
.9UU		-.U66U	-.U6UU	-.156U	-.135U

MACH (2) = .9U4 BETA (1) = -4.98U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.364U	.135U	-.U89U	.192U	.155U
.U5U	-.574U	-.952U	-.848U	-.569U	-.826U
.15U	-.3U9U	-.7U7U	-.776U	- 38UU	-.764U
.3UU	-.341U	-.397U	-.683U	-.34UU	-.322U
.52U	-.375U	-.383U	-.244U	-.327U	-.195U
.65U	-.286U	-.U31U	-.U88U	-.317U	-.733U
.775	-.251U	-.U86U	'13U	-.321U	-.382U
.9UU		-.159U	>7U	-.336U	-.312U

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RSPR42)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .9UU BETA (2) = .UU

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.484U	.447U	.421U	.5UUU	.287U
.U5U	-.U62U	-.314U	-.233U	-.154U	-.129U
.15U	-.115U	-.U98U	-.U54U	-.U06U	-.U29U
.3UU	-.U89U	-.112U	-.U19U	-.U05U	-.U32U
.52U	-.185U	-.218U	.U4UU	.U16U	-.U54U
.65U	-.315U	.U58U	.U99U	.U48U	-.525U
.775	-.189U	-.U6UU	-.U12U	-.164U	-.328U
.9UU		-.143U	-.147U	-.319U	-.316U

MACH (2) = .9U1 BETA (3) = 5.36U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.257U	.342U	.271U	.158U	-.168U
.U5U	.214U	.235U	.299U	.342U	.249U
.15U	.162U	.172U	.222U	.235U	.135U
.3UU	.123U	.U92U	.168U	.143U	.U49U
.52U	-.U46U	-.1U4U	.125U	.U57U	-.U6EU
.65U	-.367U	.13UU	.184U	.U88U	-.497U
.775	-.199U	.U24U	.U64U	-.112U	-.372U
.9UU		-.U76U	-.U92U	-.3U2U	-.3U5U

AMES 11-FT OA12 OEA RIGHT VERTICAL (RBPR43) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.9490 INCHES ZMRP = .0000 INCHES
SCALE = .0350 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .800 BETA (1) = -4.910

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0590	-.2770	-.2980	-.1230	.0620
.050	-.5410	-.8700	-.7540	-.7770	-.8750
.150	-.3180	-.4290	-.5910	-.5820	-.5310
.300	-.2670	-.3390	-.4560	-.4730	-.3720
.520	-.3070	-.4230	-.5070	-.4630	-.4170
.650	-.2690	-.4350	-.5560	-.4820	-.5280
.775	-.2530	-.2680	-.2970	-.2530	-.1930
.900		-.2350	-.1760	-.1160	-.0900

MACH (1) = .599 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4700	.4580	.3970	.4670	.3160
.050	-.0570	-.2110	-.2430	-.3210	-.2400
.150	-.0850	-.1160	-.1560	-.1740	-.1620
.300	-.1010	-.1570	-.1980	-.2150	-.1930
.520	-.2400	-.3620	-.4170	-.3860	-.3630
.650	-.3000	-.4670	-.5320	-.4770	-.5150
.775	-.2350	-.2520	-.2430	-.2120	-.1550
.900		-.1820	-.1410	-.0880	-.0550

MACH (1) = .997 BETA (3) = 5.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.0250	.0870	.1350	.0630	-.2580
.050	.1960	.2170	.2360	.2230	.1610
.150	.1240	.1150	.1110	.0890	.0450
.300	.0550	.0090	-.0120	-.0460	-.0610
.520	-.1570	-.2670	-.3040	-.3000	-.2640
.650	-.3340	-.4360	-.4270	-.3570	-.5650
.775	-.2050	-.2440	-.2000	-.1740	-.1340
.900		-.1850	-.1500	-.0930	-.0670

MACH (2) = .897 BETA (1) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3590	.1470	.0180	.1470	.1260
.050	-.5860	-.9810	-.9610	-1.1730	-1.3060
.150	-.3210	-.7080	-.8360	-.7690	-1.2510
.300	-.3530	-.4140	-.6860	-.6210	-.5770
.520	-.3750	-.4220	-.5530	-.4240	-.3480
.650	-.2930	-.4210	-.6930	-.3620	-.3560
.775	-.2700	-.3560	- 4280	-.2640	-.2150
.900		-.3280	190	-.1780	-.1740

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR43)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .896 BETA (2) = .080

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4740	.4350	.3910	.4620	.2640
.050	-.0810	-.3730	-.3450	-.3890	-.3830
.150	-.1310	-.1250	-.1440	-.1680	-.1810
.300	-.1240	-.1490	-.1810	-.2120	-.2270
.520	-.2210	-.3130	-.3060	-.3060	-.3190
.650	-.3440	-.7270	-1.1380	-.4780	-.6700
.775	-.2780	-.3320	-.5530	-.3470	-.2500
.900		-.2960	-.3480	-.3120	-.1660

MACH (2) = .903 BETA (3) = 5.340

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2690	.3420	.2700	.1980	-.0770
.050	.1770	.1790	.2090	.1960	.1100
.150	.1140	.1220	.1180	.0790	-.0240
.300	.0730	.0380	.0040	-.0690	-.1520
.520	-.0970	-.1850	-.2650	-.2990	-.3070
.650	-.4290	-1.0420	-1.0980	-1.1040	-.9630
.775	-.2740	-.3180	-.6970	-.6590	-.4570
.900		-.2730	-.3450	-.3310	-.2700

ANES 11-707 OA12 OEA RIGHT VERTICAL (RBPR44) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0350 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -4.910

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0870	-.2430	-.2930	-.1480	.0600
.050	-.4390	-.7560	-.6530	-.6560	-.7950
.150	-.2320	-.3470	-.5150	-.5040	-.4600
.300	-.1870	-.2580	-.3850	-.4000	-.3170
.520	-.2330	-.3430	-.4300	-.4000	-.3660
.650	-.1940	-.3630	-.4760	-.4210	-.4670
.775	-.1910	-.2020	-.2330	-.2080	-.1450
.900		-.1820	-.1250	-.0710	-.0440

MACH (1) = .597 BETA (2) = .080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.4980	.4810	.3810	.4710	.3280
.050	-.0640	-.1450	-.1820	-.2450	-.2080
.150	-.0240	-.0510	-.0960	-.1250	-.1160
.300	-.0360	-.0950	-.1440	-.1660	-.1480
.520	-.1700	-.2890	-.3490	-.3210	-.3010
.650	-.2340	-.3960	-.4560	-.4080	-.4440
.775	-.1740	-.1970	-.1920	-.1590	-.1130
.900		-.1340	-.0960	-.0440	-.0180

MACH (1) = .597 BETA (3) = 5.270

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0040	.0940	.1180	.0460	-.2470
.050	.2460	.2620	.2640	.2500	.1890
.150	.1750	.1680	.1530	.1180	.0810
.300	.1140	.0590	.0310	.0010	-.0260
.520	-.0850	-.1970	-.2420	-.2400	-.2120
.650	-.2510	-.3550	-.3630	-.2990	-.4770
.775	-.1350	-.1790	-.1530	-.1280	-.0960
.900		-.1350	-.1020	-.0550	-.0320

MACH (2) = .903 BETA (1) = -4.980

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.3430	.0960	-.0720	.1170	.1200
.050	-.5780	-.9500	-.7520	-1.1610	-1.2490
.150	-.3020	-.7560	-.5560	-.7060	-1.1230
.300	-.3200	-.2460	-.5460	-.6270	-.6140
.520	-.2400	-.3100	-.5630	-.4780	-.3750
.650	-.2370	-.4800	-.6560	-.3730	-.3920
.775	-.2210	-.2950	-.3850	-.2390	-.1730
.900		-.2580	-.1330	-.1270	-.1090

AMES 11-7U7 OA12 OBA RIGHT VERTICAL (RBPR44)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .09U

Z/BV	.158	.316	.6U	.84U	.925
X/CV					
.UUU	.5U7U	.488U	.394U	.464U	.268U
.U5U	-.U11U	-.214U	-.232U	-.319U	-.324U
.15U	-.U36U	-.U33U	-.U76U	-.141U	-.16UU
.3UU	-.U27U	-.U66U	-.128U	-.191U	-.212U
.52U	-.139U	-.249U	-.283U	-.297U	-.3U8U
.65U	-.285U	-.6U5U	-1.127U	-.4U4U	-.5U1U
.775	-.211U	-.284U	-.517U	-.3U9U	-.195U
.9UU		-.26UU	-.264U	-.263U	-.127U

MACH (2) = .9U4 BETA (3) = 5.34U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.236U	.311U	.227U	.178U	-.U88U
.U5U	.254U	.276U	.286U	.239U	.136U
.15U	.193U	.2U2U	.176U	.1U7U	.U4UU
.3UU	.155U	.111U	.U49U	-.U41U	-.124U
.52U	-.U26U	-.137U	-.231U	-.286U	-.293U
.65U	-.3[illegible]U	-.73UU	-1.U76U	-1.U94U	-1.U61U
.775	-.214U	-.258U	-.412U	-.484U	-.418U
.9UU		-.23UU	-.23UU	-.185U	-.2U8U

AMES 11-707 OA12 O2A RIGHT VERTICAL (RBPR45) (01 MAY 73)

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -4.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .601 BETA (1) = -4.910

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.0770	-.2600	-.2980	-.1460	.0580
.050	-.4850	-.8080	-.6950	-.6860	-.8240
.150	-.2720	-.3800	-.5520	-.5340	-.4890
.300	-.2190	-.2900	-.4140	-.4390	-.3460
.520	-.2570	-.3680	-.4560	-.4180	-.3790
.650	-.2280	-.3870	-.4990	-.4370	-.4860
.775	-.2120	-.2300	-.2590	-.2220	-.1660
.900		-.2020	-.1340	-.0860	-.0590

MACH (1) = .597 BETA (2) = .090

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4870	.4700	.4560	.4700	.3150
.050	-.0270	-.1730	-.2070	-.2710	-.2210
.150	-.0510	-.0770	-.1220	-.1410	-.1350
.300	-.0660	-.1200	-.1720	-.1850	-.1680
.520	-.2010	-.3180	-.3720	-.3500	-.3270
.650	-.2640	-.4190	-.4800	-.4350	-.4770
.775	-.1970	-.2190	-.2080	-.1800	-.1260
.900		-.1580	-.1120	-.0650	-.0290

MACH (1) = .598 BETA (3) = 5.280

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.0100	.0890	.1300	.0490	-.2460
.050	.2190	.2350	.2450	.2380	.1750
.150	.1450	.1410	.1270	.1010	.0560
.300	.0800	.0330	.0070	-.0250	-.0460
.520	-.1210	-.2320	-.2720	-.2720	-.2400
.650	-.2950	-.3940	-.3960	-.3360	-.5290
.775	-.1700	-.2130	-.1820	-.1520	-.1130
.900		-.1660	-.1180	-.0740	-.0520

MACH (2) = .901 BETA (1) = -5.000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3610	.1350	-.0100	.1190	.1100
.050	-.5710	-.9470	-.9620	.0000	.0000
.150	-.3120	-.7140	-.8320	-.7450	.0000
.300	-.3420	-.4030	-.6910	-.5850	-.6250
.520	-.3560	-.4020	-.5710	-.4150	-.3500
.650	-.2600	-.3860	-.6310	-.3550	-.3600
.775	-.2490	-.3320	-.4100	-.2540	-.2320
.900		-.3150	-.2[illegible]20	-.1670	-.1660

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR45)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .902 BETA (2) = .000

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4780	.4470	.4080	.4700	.2780
.050	-.0880	-.3360	-.2990	-.3590	-.3520
.150	-.1240	-.1070	-.1040	-.1530	-.1700
.300	-.1060	-.1190	-.1500	-.1960	-.2160
.520	-.1910	-.2710	-.2880	-.3000	-.3070
.650	-.3040	-.7430	-1.1250	-.4120	-.5360
.775	-.2460	-.3180	-.5310	-.3090	-.2130
.900		-.2820	-.2910	-.2570	-.1430

MACH (2) = .900 BETA (3) = 5.350

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.2600	.3480	.2590	.1770	-.0960
.050	.2050	.2220	.2430	.2260	.1270
.150	.1470	.1600	.1460	.1040	-.0090
.300	.1100	.0780	.0340	-.0450	-.1410
.520	-.0570	-.1610	-.2410	-.2950	-.2930
.650	-.3640	-.9660	-1.0740	-1.0950	-.9740
.775	-.2340	-.2900	-.4880	-.5570	-.3720
.900		-.2590	-.2710	-.3160	-.2040

AMES 11-707 OA12 OBA RIGHT VERTICAL (RBPR46) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.3300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) =-15.050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6140	.6310	.6070	.6690	.5430
.050	.1160	-.0290	-.2300	-.3100	-.1740
.150	.0940	.0290	-.0550	-.0950	-.0860
.300	.0530	-.0370	-.1260	-.1580	-.1380
.520	-.1370	-.2840	-.3770	-.3610	-.3490
.650	-.2650	-.4220	-.5160	-.4890	-.5490
.775	-.1870	-.2010	-.2070	-.1900	-.1520
.900		-.1240	-.0930	-.0580	-.0480

MACH (1) = .599 ALPHA (2) =-10.490

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.5510	.5560	.5150	.5750	.4310
.050	.0620	-.0670	-.2110	-.2900	-.1930
.150	.0250	-.0230	-.0930	-.1170	-.1160
.300	-.0680	-.0860	-.1460	-.1750	-.1550
.520	-.1840	-.3080	-.3810	-.3650	-.3480
.650	-.2840	-.4320	-.5070	-.4730	-.5260
.775	-.1970	-.2190	-.2160	-.1950	-.1410
.900		-.1450	-.1090	-.0680	-.0440

MACH (1) = .599 ALPHA (3) = -5.200

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4970	.4960	.4390	.4960	.3380
.050	-.0670	-.1400	-.1820	-.2510	-.2070
.150	-.0250	-.0570	-.1020	-.1280	-.1190
.300	-.0480	-.1060	-.1590	-.1770	-.1610
.520	-.1950	-.3140	-.3730	-.3480	-.3260
.650	-.2660	-.4250	-.4860	-.4380	-.4820
.775	-.2040	-.2170	-.2090	-.1810	-.1290
.900		-.1530	-.1100	-.0630	-.0290

MACH (1) = .599 ALPHA (4) = .050

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4530	.4260	.3560	.4080	.2380
.050	-.0640	-.1860	-.1990	-.2170	-.2150
.150	-.0730	-.0930	-.1190	-.1370	-.1340
.300	-.0860	-.1360	-.1700	-.1810	-.1650
.520	-.2070	-.3210	-.3670	-.3360	-.3110
.650	-.2640	-.4210	-.4700	-.4150	-.4420
.775	-.2030	-.2250	-.2110	-.1830	-.1220
.900		-.1670	-.1080	-.0660	-.0260

AMES 11-7X7 OA12 OA RIGHT VERTICAL (RBPR46)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .900 ALPHA (1) =-16.390

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.7050	.7040	.6580	.7020	.5360
.050	.1950	-.0080	-.2320	-.3300	-.3480
.150	.1680	.1120	.0180	-.0430	-.0570
.300	.1280	.0470	-.0390	-.0970	-.1060
.520	-.0550	-.1750	-.2060	-.2040	-.2220
.650	-.3620	-1.0280	-1.0900	-.5680	-.9950
.775	-.2570	-.3770	-.5560	-.3980	-.3850
.900		-.2920	-.4510	-.3220	-.2710

MACH (2) = .901 ALPHA (2) =-10.840

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.6180	.6010	.5470	.5940	.4070
.050	.0560	-.1480	-.2310	-.3590	-.3730
.150	.0450	.0120	-.0430	-.1030	-.1150
.300	.0240	-.0330	-.1030	-.1530	-.1680
.520	-.1270	-.2240	-.2570	-.2580	-.2640
.650	-.3750	-.9790	-1.0970	-.4430	-.8080
.775	-.2610	-.3740	-.5320	-.3350	-.2730
.900		-.3060	-.4320	-.2800	-.2120

MACH (2) = .900 ALPHA (3) = -5.380

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4980	.4950	.4440	.4950	.2970
.050	-.0290	-.2480	-.2370	-.3440	-.3070
.150	-.0730	-.0630	-.0840	-.1250	-.1520
.300	-.1660	-.1060	-.1280	-.1770	-.2000
.520	-.1690	-.2630	-.2780	-.2840	-.2950
.650	-.3260	-.7440	-1.1250	-.4140	-.6170
.775	-.2450	-.3190	-.5280	-.3160	-.2180
.900		-.2920	-.3290	-.2670	-.1460

MACH (2) = .902 ALPHA (4) = .060

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3780	.3690	.3570	.4060	.1920
.050	-.1400	-.3830	-.2680	-.2740	-.3070
.150	-.1970	-.1510	-.1080	-.1530	-.1830
.300	-.1570	-.1420	-.1530	-.2100	-.2300
.520	-.2010	-.2770	-.3040	-.3200	-.3290
.650	-.2770	-.5990	-1.1250	-.4230	-.4520
.775	-.2390	-.2870	-.4970	-.3200	-.2060
.900		-.2540	-.2070	-.2680	-.1180

AMES 11-7D7 CA12 C2A RIGHT VERTICAL (RBPR47) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = -5.000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.300

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-.9130	-1.5320	-1.1470	-.9200	-.5100
.050	-1.0020	-1.0360	-.8550	-.8230	-1.1870
.150	-.5310	-1.1600	-.7890	-.7510	-1.1560
.300	-.4220	-.6690	-.6580	-.6260	-.8180
.520	-.3530	-.3410	-.5280	-.5030	-.4260
.650	-.2630	-.3130	-.4740	-.4210	-.4910
.775	-.2680	-.2520	-.3580	-.3290	-.3190
.900		-.2590	-.2580	-.2280	-.2760

MACH (1) = .597 BETA (2) = -5.190

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.1470	-.1420	-.2090	-.0660	.1050
.050	-.4440	-.7560	-.7020	-.7700	-.8380
.150	-.2470	-.3470	-.5200	-.5090	-.4510
.300	-.1990	-.2780	-.3870	-.4170	-.3360
.520	-.2640	-.3860	-.4570	-.4270	-.3920
.650	-.2370	-.4170	-.5230	-.4580	-.5220
.775	-.2030	-.2320	-.2600	-.2190	-.1660
.900		-.1910	-.1300	-.0840	-.0610

MACH (1) = .597 BETA (3) = 5.000

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	.0000	.1110	.1620	.0720	-.2190
.050	.2330	.2450	.2510	.2460	.1860
.150	.1640	.1490	.1360	.1110	.0690
.300	.0900	.0480	.0140	-.0240	-.0420
.520	-.1200	-.2300	-.2780	-.2740	-.2460
.650	-.2940	-.3960	-.3970	-.3320	-.5370
.775	-.1790	-.2120	-.1750	-.1540	-.1140
.900		-.1680	-.1160	-.0790	-.0470

MACH (1) = .599 BETA (4) = 10.080

Z/BV / X/CV	.158	.316	.600	.840	.925
.000	-1.3710	-.7510	-.3250	-.4940	-.8570
.050	.4570	.4680	.4510	.4280	.3330
.150	.3420	.3190	.2970	.2660	.1850
.300	.2410	.1760	.1390	.0970	.0500
.520	-.0170	-.1320	-.1850	-.1860	-.1500
.650	-.2640	-.3310	-.3080	-.2870	-.4310
.775	-.2100	-.1980	-.1660	-.1680	-.1350
.900		-.1810	-.330	-.1420	-.1120

AMES 11-7U7 OA12 O2A RIGHT VERTICAL (RBPR47)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .898 BETA (1) =-10.44U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.U86U	-.448U	-.514U	-.31UU	-.U9UU
.U5U	-1.U65U	-1.U89U	-1.152U	-.775U	-.646U
.1UU	-.414U	-1.152U	-.976U	-.776U	-.648U
.3UU	-.479U	-1.U63U	-.956U	-.7U6U	-.635U
.52U	-.466U	-.353U	-.884U	-.635U	-.579U
.65U	-.327U	-.32UU	-.789U	-.58UU	-.466U
.775	-.323U	-.311U	-.821U	-.499U	-.419U
.9UU		-.313U	-.7U1U	-.457U	-.4U7U

MACH (2) = .9U4 BETA (2) = -5.27U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.4U4U	.199U	.U72U	.194U	.173U
.U5U	-.54UU	-.9U5U	-.915U	-1.141U	-1.296U
.1UU	-.274U	-.635U	-.76UU	-.767U	-1.216U
.3UU	-.294U	-.35UU	-.621U	-.6U9U	-.533U
.52U	-.333U	-.4UUU	-.5U5U	-.4U6U	-.336U
.65U	-.269U	-.435U	-.689U	-.334	-.391U
.775	-.258U	-.347U	-.418U	-.24 U	-.183U
.9UU		-.3U7U	-.294U	-.159U	-.158U

MACH (2) = .9U2 BETA (3) = 5.07U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	.293U	.37UU	.3U7U	.223U	-.U45U
.U5U	.224U	.233U	.25UU	.229U	.135U
.1UU	.165U	.169U	.155U	.1U8U	.UU6U
.3UU	.12UU	.U79U	.U37U	-.U41U	-.126U
.52U	-.U57U	-.158U	-.244U	-.284U	-.281U
.65U	-.382U	-.987U	-1.U76U	-1.U75U	-.965U
.775	-.247U	-.293U	-.622U	-.758U	-.452U
.9UU		-.257U	-.288U	-.34UU	-.253U

MACH (2) = .898 BETA (4) = 10.22U

Z/BV	.158	.316	.6UU	.84U	.925
X/CV					
.UUU	-.33UU	-.U33U	.U33U	-.U63U	-.313U
.U5U	.487U	.483U	.444U	.4U1U	.285U
.1UU	.383U	.336U	.3U9U	.249U	.123U
.3UU	.3U4U	.235U	.165U	.U7UU	-.U32U
.52U	.U68U	-.U7UU	-.185U	-.235U	-.252U
.65U	-.321U	-.739U	-1.U1UU	-1.U47U	-1.U17U
.775	-.294U	-.296U	-.298U	-.786U	-.838U
.9UU		-.267U	-.346U	-.449U	-.25UU

AMES 11-7U7 OA12 OEA RIGHT VERTICAL (RBPR48) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53U0 INCHES
LREF = 39.849U INCHES YMRP = .UUU0 INCHES
BREF = 39.849U INCHES ZMRP = .UUU0 INCHES
SCALE = .U3U0 SCALE

PARAMETRIC DATA

ALPHA = -10.UUU RUDDER = .UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.28U

Z/BV X/CV	.158	.316	.6U0	.84U	.925
.U30	-.898U	-1.4U8U	-1.U65U	-.775U	-.345U
.U5U	-.98U0	-.985U	-.[illegible]76U	-.855U	-1.225U
.15U	-.5U9U	-1.U18U	-.759U	-.767U	-1.155U
.3U0	-.325U	-.64U0	-.649U	-.624U	-.9U5U
.52U	-.324U	-.4U5U	-.5U5U	-.489U	-.6U8U
.65U	-.25U0	-.394U	-.46[illegible]	-.431U	-.675U
.775	-.238U	-.268U	-.347[illegible]	-.335U	-.437U
.9U0		-.236U	-.229U	-.221U	-.348U

MACH (1) = .598 BETA (2) = -5.18U

Z/BV X/CV	.158	.316	.6U0	.84U	.925
.U30	.2U2U	-.U68U	-.111U	.U49U	.247U
.U5U	-.371U	-.737U	-.715U	-1.U38U	-.886U
.15U	-.176U	-.289U	-.479U	-.473U	-.431U
.3U0	-.143U	-.238U	-.375U	-.373U	-.315U
.52U	-.249U	-.373U	-.467U	-.42U0	-.4U3U
.65U	-.261U	-.431U	-.527U	-.467U	-.581U
.775	-.2U2U	-.226U	-.249U	-.2U7U	-.183U
.9U0		-.164U	-.1U9U	-.U66U	-.U73U

MACH (1) = .597 BETA (3) = 5.02U

Z/BV X/CV	.158	.316	.6U0	.84U	.925
.U00	.U04U	.166U	.267U	.182U	-.119U
.U5U	.3U9U	.3U9U	.3U5U	.284U	.237U
.15U	.225U	.2U2U	.177U	.151U	.114U
.3U0	.14U0	.U83U	.U42U	.U46U	-.U04U
.52U	-.U95U	-.2U7U	-.269U	-.262U	-.229U
.65U	-.283U	-.38U0	-.389U	-.339U	-.562U
.775	-.177U	-.193U	-.162U	-.144U	-.1U5U
.9U0		-.143U	-.1U2U	-.U7U0	-.U42U

MACH (1) = .599 BETA (4) = 10.12U

Z/BV X/CV	.158	.316	.6U0	.84U	.925
.U00	-1.413U	-.643U	-.197U	-.352U	-.795U
.U5U	.513U	.515U	.5U3U	.477U	.397U
.15U	.392U	.367U	.335U	.3U2U	.232U
.3U0	.275U	.214U	.17U0	.126U	.U85U
.52U	-.U06U	-.117U	-.185U	-.193U	-.153U
.65U	-.263U	-.331U	-.327U	-.29U0	-.466U
.775	-.2U2U	-.191U	-.168U	-.164U	-.129U
.9U0		-.171U	[illegible]4U	-.134U	-.1U9U

AMES 11-7X7 OA12 OBA RIGHT VERTICAL (RBPR48)

SECTION (1)RIGHT VERTICAL DEPENDENT VARIABLE CP

MACH (2) = .901 BETA (1) =-10.460

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.1210	-.3900	-.3680	-.1470	.0570
.050	-1.0770	-1.0130	-1.1300	-.8830	-.7230
.150	-.2500	-1.0640	-.8730	-.8580	-.7220
.300	-.3500	-1.0190	-.8440	-.7900	-.7190
.520	-.3860	-.3820	-.7400	-.6850	-.6340
.650	-.2890	-.3770	-.6920	-.6120	-.5490
.775	-.2940	-.3460	-.4920	-.5300	-.4730
.900		-.3180	-.4990	-.4510	-.4040

MACH (2) = .898 BETA (2) = -5.270

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.4320	.2550	.1700	.3220	.3080
.050	-.4550	-.8080	-.8800	-1.1730	-1.3030
.150	-.1770	-.5800	-.6720	-.8230	-1.1810
.300	-.1980	-.2700	-.5370	-.6330	-.6460
.520	-.2860	-.3860	-.5080	-.4260	-.3410
.650	-.3320	-.6780	-.9890	-.3730	-.6560
.775	-.2910	-.4240	-.4580	-.2880	-.2250
.900		-.3500	-.3250	-.2410	-.2050

MACH (2) = .901 BETA (3) = 5.110

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	.3050	.4280	.4140	.3550	.1980
.050	.3400	.3390	.3260	.2850	.1970
.150	.2710	.2570	.2220	.1590	.0700
.300	.2060	.1460	.0930	.0070	-.0670
.520	-.0030	-.1170	-.2110	-.2460	-.2470
.650	-.3730	-.9960	-1.0680	-1.0720	-.9410
.775	-.2570	-.3210	-.9360	-.9140	-.4630
.900		-.2770	-.2990	-.4010	-.2820

MACH (2) = .900 BETA (4) = 10.300

Z/BV	.158	.316	.600	.840	.925
X/CV					
.000	-.4200	.0080	.1450	.0660	-.1830
.050	.5770	.5620	.5170	.4640	.3550
.150	.4640	.4250	.3670	.3060	.1880
.300	.3650	.2860	.2120	.1200	.0280
.520	.1080	-.0350	-.1500	-.1970	-.2020
.650	-.2960	-.7440	-1.0080	-1.0250	-.9890
.775	-.2780	-.2980	-.3330	-.9250	-.8790
.900		-.2570	-.3490	-.4790	-.2520

AMES 11-FT OA12 O2A APU INLET (RBFPU1) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZNRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHA (1) = -4.410 Z/BV .079
X/CV
.076 .6630

MACH (1) = .599 ALPHA (2) = .030 Z/BV .079
X/CV
.076 .5930

MACH (1) = .600 ALPHA (3) = 5.030 Z/BV .079
X/CV
.076 .7170

MACH (1) = .600 ALPHA (4) = 10.040 Z/BV .079
X/CV
.076 .7560

MACH (1) = .598 ALPHA (5) = 15.020 Z/BV .079
X/CV
.076 .7960

MACH (1) = .599 ALPHA (6) = 20.000 Z/BV .079
X/CV
.076 .7840

MACH (1) = .597 ALPHA (7) = 22.580 Z/BV .079
X/CV
.076 .8590

MACH (2) = .905 ALPHA (1) = -4.580 Z/BV .079
X/CV
.076 .7130

MACH (2) = .901 ALPHA (2) = -.010 Z/BV .079
X/CV
.076 .6390

MACH (2) = .904 ALPHA (3) = 4.980 Z/BV .079
X/CV
.076 .5390

AMES 11-7U7 OA12 O2A APU INLET (RBPPU1)

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (2) = .956 ALPHA (4) = 9.990 Z/BV .079
X/CV
.076 .5240

MACH (3) = .961 ALPHA (5) = 14.990 Z/BV .073
X/CV
.076 .6410

MACH (4) = .960 ALPHA (6) = 20.020 Z/BV .079
X/CV
.076 .7740

MACH (2) = .962 ALPHA (7) = 25.040 Z/BV .079
X/CV
.076 .7740

AMES 11-7X7 OA12 OEA APU INLET (RBPPU2) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES		
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0500 SCALE				

PARAMETRIC DATA

ALPHA =	.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .598	BETA (1) =-10.010	Z/BV	.079
		X/CV	
		.076	.3840
MACH (1) = .598	BETA (2) = -4.960	Z/BV	.079
		X/CV	
		.076	.5150
MACH (1) = .598	BETA (3) = 5.230	Z/BV	.079
		X/CV	
		.076	.5480
MACH (1) = .599	BETA (4) = 10.370	Z/BV	.079
		X/CV	
		.076	.4520
MACH (2) = .904	BETA (1) =-10.150	Z/BV	.079
		X/CV	
		.076	.3830
MACH (2) = .901	BETA (2) = -5.040	Z/BV	.079
		X/CV	
		.076	.5630
MACH (2) = .903	BETA (3) = 5.290	Z/BV	.079
		X/CV	
		.076	.5470
MACH (2) = .905	BETA (4) = 10.500	Z/BV	.079
		X/CV	
		.076	.4180

AMES 11-7U7 OA12 O2A APU INLET (RBPPD3) (01 MAY 73)

REFERENCE DATA

SREF	=	2.4210	SQ.FT.	XMRP	= 28.5300 INCHES
LREF	=	39.8490	INCHES	YMRP	= .0000 INCHES
BREF	=	39.8490	INCHES	ZMRP	= .0000 INCHES
SCALE	=	.0300	SCALE		

PARAMETRIC DATA

ALPHA	= 5.000	RUDDER	= .000
ELEVON	= .000	RUDFLR	= .000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.596	BETA (1) =	-10.080	Z/BV	.079
				X/CV	
				.076	.4500
MACH (1) =	.599	BETA (2) =	-4.990	Z/BV	.079
				X/CV	
				.076	.4960
MACH (1) =	.598	BETA (3) =	5.190	Z/BV	.079
				X/CV	
				.076	.4780
MACH (1) =	.598	BETA (4) =	10.300	Z/BV	.079
				X/CV	
				.076	.5040
MACH (2) =	.904	BETA (1) =	-10.210	Z/BV	.079
				X/CV	
				.076	.3750
MACH (2) =	.900	BETA (2) =	-5.070	Z/BV	.079
				X/CV	
				.076	.4520
MACH (2) =	.901	BETA (3) =	5.250	Z/BV	.079
				X/CV	
				.076	.4560
MACH (2) =	.904	BETA (4) =	10.430	Z/BV	.079
				X/CV	
				.076	.3860

AMES 11-7FT OA12 OEA APU INLET (RBPPU4) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES		
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

PARAMETRIC DATA

ALPHA =	10.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =-10.110	Z/BV	.079	
			X/CV		
			.076	.4370	
MACH (1) =	.598	BETA (2) = -5.020	Z/BV	.079	
			X/CV		
			.076	.5440	
MACH (1) =	.596	BETA (3) = 5.170	Z/BV	.079	
			X/CV		
			.076	.5400	
MACH (1) =	.597	BETA (4) = 10.270	Z/BV	.079	
			X/CV		
			.076	.5280	
MACH (2) =	.902	BETA (1) =-10.230	Z/BV	.079	
			X/CV		
			.076	.4090	
MACH (2) =	.900	BETA (2) = -5.070	Z/BV	.079	
			X/CV		
			.076	.4090	
MACH (2) =	.902	BETA (3) = 5.230	Z/BV	.079	
			X/CV		
			.076	.3940	
MACH (2) =	.907	BETA (4) = 10.390	Z/BV	.079	
			X/CV		
			.078	.3830	

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AMES 11-FT OA12 OEA APU INLET (RBPP03) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0300 SCALE		

PARAMETRIC DATA

ALPHA =	15.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.599	BETA (1) =	-10.090	Z/BV	.079
				X/CV	
				.076	.4090
MACH (1) =	.598	BETA (2) =	-5.000	Z/BV	.079
				X/CV	
				.076	.5310
MACH (1) =	.596	BETA (3) =	5.180	Z/BV	.079
				X/CV	
				.076	.4460
MACH (1) =	.600	BETA (4) =	10.290	Z/BV	.079
				X/CV	
				.076	.4310
MACH (2) =	.904	BETA (1) =	-10.200	Z/BV	.079
				X/CV	
				.076	.3930
MACH (2) =	.902	BETA (2) =	-5.050	Z/BV	.079
				X/CV	
				.076	.4730
MACH (2) =	.904	BETA (3) =	5.220	Z/BV	.079
				X/CV	
				.076	.4510
MACH (2) =	.904	BETA (4) =	10.390	Z/BV	.079
				X/CV	
				.076	.3620

AMES 11-7U7 OA12 O2A APU INLET (RBPPU6) (01 MAY 73)

REFERENCE DATA

SREF	=	2.4210	SQ.FT.	XMRP =	28.5310 INCHES
LREF	=	39.8490	INCHES	YMRP =	.0000 INCHES
BREF	=	39.8490	INCHES	ZMRP =	.0000 INCHES
SCALE	=	.0314	SCALE		

PARAMETRIC DATA

ALPHA =	20.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.596	BETA (1) =	-10.030	Z/BV	.079
				X/CV	
				.076	.4910
MACH (1) =	.597	BETA (2) =	-4.970	Z/BV	.079
				X/CV	
				.076	.6600
MACH (1) =	.597	BETA (3) =	5.210	Z/BV	.079
				X/CV	
				.076	.5940
MACH (1) =	.599	BETA (4) =	10.360	Z/BV	.079
				X/CV	
				.076	.4700
MACH (2) =	.902	BETA (1) =	-10.110	Z/BV	.079
				X/CV	
				.076	.3920
MACH (2) =	.900	BETA (2) =	-5.020	Z/BV	.079
				X/CV	
				.076	.7610
MACH (2) =	.904	BETA (3) =	5.280	Z/BV	.079
				X/CV	
				.076	.6980
MACH (2) =	.905	BETA (4) =	10.430	Z/BV	.079
				X/CV	
				.076	.3530

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AMES 11-7U7 OA12 O2A APU INLET (RBPP07) (01 MAY 73)

REFERENCE DATA

SREF	=	2.421U	SQ.FT.	XMRP	= 28.53UU INCHES
LREF	=	39.849U	INCHES	YMRP	= .UUUU INCHES
BREF	=	39.849U	INCHES	ZMRP	= .UUUU INCHES
SCALE	=	.UUUU	SCALE		

PARAMETRIC DATA

ALPHA	=	.UUU	RUDDER = -1U.UUU
ELEVON	=	.UUU	RUDFLR = .UUU

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH	(1) =	.6UU	BETA	(1) = -7.98U	Z/BV	.U79	
					X/CV		
					.U76	.4140	
MACH	(1) =	.6UU	BETA	(2) = -3.94U	Z/BV	.U79	
					X/CV		
					.U76	.5220	
MACH	(1) =	.6UU	BETA	(3) = .U9U	Z/BV	.U79	
					X/CV		
					.U76	.585U	
MACH	(1) =	.599	BETA	(4) = 4.21U	Z/BV	.U79	
					X/CV		
					.U76	.5U9U	
MACH	(1) =	.597	BETA	(5) = 8.32U	Z/BV	.U79	
					X/CV		
					.U76	.42UU	
MACH	(2) =	.9U2	BETA	(1) = -8.U9U	Z/BV	.U79	
					X/CV		
					.U76	.447U	
MACH	(2) =	.9U1	BETA	(2) = -4.UUU	Z/BV	.U79	
					X/CV		
					.U76	.618U	
MACH	(2) =	.9U3	BETA	(3) = .U9U	Z/BV	.U79	
					X/CV		
					.U76	.638U	
MACH	(2) =	.9U2	BETA	(4) = 4.26U	Z/BV	.U79	
					X/CV		
					.U76	.624U	
MACH	(2) =	.9U5	BETA	(5) = 8.44U	Z/BV	.U79	
					X/CV		
					.U76	.435U	

AMES 11-7U7 OA12 C2A APU INLET (RBPPU8) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2.421U SQ.FT. XMRP = 28.53U0 INCHES
LREF = 39.849U INCHES YMRP = .UUU0 INCHES
BREF = 39.849U INCHES ZMRP = .UUU0 INCHES
SCALE = .U3U0 SCALE

ALPHA = 5.UU0 RUDDER = -10.UU0
ELEVON = .UU0 RUDFLR = .UU0

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .6U0 BETA (1) = -8.04U Z/BV .U79
X/CV
.U76 .516U

MACH (1) = .599 BETA (2) = -3.97U Z/BV .U79
X/CV
.U76 .428U

MACH (1) = .6U0 BETA (3) = .09U Z/BV .U79
X/CV
.U76 .73U0

MACH (1) = .6U1 BETA (4) = 4.18U Z/BV .U79
X/CV
.U76 .466U

MACH (1) = .6U1 BETA (5) = 8.26U Z/BV .U79
X/CV
.U76 .524U

MACH (2) = .9U0 BETA (1) = -8.14U Z/BV .U79
X/CV
.U76 .419U

MACH (2) = .9U3 BETA (2) = -4.03U Z/BV .U79
X/CV
.U76 .445U

MACH (2) = .9U1 BETA (3) = .09U Z/BV .U79
X/CV
.U76 .529U

MACH (2) = .9U3 BETA (4) = 4.22U Z/BV .U79
X/CV
.U76 .46UU

MACH (2) = .9U1 BETA (5) = 8.37U Z/BV .U79
X/CV
.U75 .431U

AMES 11-7U7 OA12 O2A APU INLET (RBFPU9) (01 MAY 73)

REFERENCE DATA

SREF = 2.421U SQ.FT. XMRP = 28.53UU INCHES
LREF = 39.849U INCHES YMRP = .UUUU INCHES
BREF = 39.849U INCHES ZMRP = .UUUU INCHES
SCALE = .UUUU SCALE

PARAMETRIC DATA

ALPHA = 1U.UUU RUDDER = -1U.UUU
ELEVON = .UUU RUDFLR = .UUU

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599	BETA (1) = -8.U6U	Z/BV	.U79		
		X/CV			
		.U76	.4590		
MACH (1) = .6U1	BETA (2) = -5.98U	Z/BV	.U79		
		X/CV			
		.U76	.434U		
MACH (1) = .6UU	BETA (3) = .U9U	Z/BV	.U79		
		X/CV			
		.U76	.753U		
MACH (1) = .599	BETA (4) = 4.17U	Z/BV	.U79		
		X/CV			
		.U76	.4U1U		
MACH (1) = .599	BETA (5) = 8.24U	Z/BV	.U79		
		X/CV			
		.U76	.479U		
MACH (2) = .9U4	BETA (1) = -8.16U	Z/BV	.U79		
		X/CV			
		.U76	.389U		
MACH (2) = .9U2	BETA (2) = -4.04U	Z/BV	.U79		
		X/CV			
		.U76	.424U		
MACH (2) = .899	BETA (3) = .U9U	Z/BV	.U79		
		X/CV			
		.U76	.535U		
MACH (2) = .898	BETA (4) = 4.2UU	Z/BV	.U79		
		X/CV			
		.U76	.422U		
MACH (2) = .9UU	BETA (5) = 8.33U	Z/BV	.U79		
		X/CV			
		.U76	.383U		

AMES 11-707 OA12 OEA APU INLET (RBPP10) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5310 INCHES		
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

PARAMETRIC DATA

ALPHA =	15.000	RUDDER =	-10.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-8.040	Z/BV	.079		
				X/CV			
				.076	.5220		
MACH (1) =	.599	BETA (2) =	-3.980	Z/BV	.079		
				X/CV			
				.076	.5520		
MACH (1) =	.598	BETA (3) =	.080	Z/BV	.079		
				X/CV			
				.076	.7130		
MACH (1) =	.596	BETA (4) =	4.170	Z/BV	.079		
				X/CV			
				.076	.5170		
MACH (1) =	.601	BETA (5) =	8.250	Z/BV	.079		
				X/CV			
				.076	.5190		
MACH (2) =	.902	BETA (1) =	-8.130	Z/BV	.079		
				X/CV			
				.076	.3910		
MACH (2) =	.899	BETA (2) =	-4.020	Z/BV	.079		
				X/CV			
				.076	.5380		
MACH (2) =	.901	BETA (3) =	.080	Z/BV	.079		
				X/CV			
				.076	.6390		
MACH (2) =	.901	BETA (4) =	4.200	Z/BV	.079		
				X/CV			
				.076	.5070		
MACH (2) =	.900	BETA (5) =	8.330	Z/BV	.079		
				X/CV			
				.076	.3660		

AMES 11-7?7 OA12 O2A APU INLET (RBPP11) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.421U SQ.FT.	XMRP =	28.53UU INCHES	ALPHA =	2U.UUU RUDDER = -1U.UUU
LREF =	39.849U INCHES	YMRP =	.UUUU INCHES	ELEVON =	.UUU RUDFLR = .UUU
BREF =	39.849U INCHES	ZMRP =	.UUUU INCHES		
SCALE =	.UUUU SCALE				

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-7.99U	Z/BV	.079
				X/CV	
				.U76	.4260
MACH (1) =	.598	BETA (2) =	-3.96U	Z/BV	.079
				X/CV	
				.U76	.6590
MACH (1) =	.598	BETA (3) =	.09U	Z/BV	.079
				X/CV	
				.U76	.7790
MACH (1) =	.598	BETA (4) =	4.19U	Z/BV	.079
				X/CV	
				.U76	.6370
MACH (1) =	.8UU	BETA (5) =	8.31U	Z/BV	.079
				X/CV	
				.U76	.4120
MACH (2) =	.9U3	BETA (1) =	-8.06U	Z/BV	.079
				X/CV	
				.U76	.4090
MACH (2) =	.9UU	BETA (2) =	-3.96U	Z/BV	.079
				X/CV	
				.U76	.7100
MACH (2) =	.9UU	BETA (3) =	.09U	Z/BV	.079
				X/CV	
				.U76	.7910
MACH (2) =	.9UU	BETA (4) =	4.23U	Z/BV	.079
				X/CV	
				.U76	.8450
MACH (2) =	.901	BETA (5) =	8.36U	Z/BV	.079
				X/CV	
				.U76	.4310

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AMES 11-7D7 OA12 02A APU INLET

PARAMETRIC DATA

ALPHA = .000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

REFERENCE DATA

SREF =	2.4210	SQ.FT.	XMRP =	28.5390	INCHES
LREF =	39.8490	INCHES	YMRP =	.0000	INCHES
BREF =	39.8490	INCHES	ZMRP =	.0000	INCHES
SCALE =	.0300	SCALE			

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.599	BETA (1) =	-7.970	Z/BV	.079
				X/CV	
				.078	.4140
MACH (1) =	.600	BETA (2) =	-3.930	Z/BV	.079
				X/CV	
				.076	.5270
MACH (1) =	.599	BETA (3) =	.100	Z/BV	.079
				X/CV	
				.076	.5740
MACH (1) =	.601	BETA (4) =	4.210	Z/BV	.079
				X/CV	
				.076	.5210
MACH (1) =	.598	BETA (5) =	8.330	Z/BV	.079
				X/CV	
				.076	.4210
MACH (2) =	.901	BETA (1) =	-8.090	Z/BV	.079
				X/CV	
				.076	.4470
MACH (2) =	.900	BETA (2) =	-4.000	Z/BV	.079
				X/CV	
				.076	.6220
MACH (2) =	.900	BETA (3) =	.100	Z/BV	.079
				X/CV	
				.076	.6420
MACH (2) =	.900	BETA (4) =	4.280	Z/BV	.079
				X/CV	
				.076	.6230
MACH (2) =	.903	BETA (5) =	8.450	Z/BV	.079
				X/CV	
				.076	.4340

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AMES 11-7X7 OA12 O2A APU INLET (RBPP13) (01 MAY 73)

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599	BETA (1) = -8.030	Z/BV .079	X/CV .076	.5180
MACH (1) = .599	BETA (2) = -3.970	Z/BV .079	X/CV .076	.4300
MACH (1) = .598	BETA (3) = .100	Z/BV .079	X/CV .076	.7430
MACH (1) = .599	BETA (4) = 4.180	Z/BV .079	X/CV .076	.4670
MACH (1) = .600	BETA (5) = 8.270	Z/BV .079	X/CV .076	.5300
MACH (2) = .907	BETA (1) = -8.140	Z/BV .079	X/CV .076	.4210
MACH (2) = .899	BETA (2) = -4.020	Z/BV .079	X/CV .076	.4310
MACH (2) = .901	BETA (3) = .100	Z/BV .079	X/CV .076	.5740
MACH (2) = .903	BETA (4) = 4.230	Z/BV .079	X/CV .076	.4550
MACH (2) = .902	BETA (5) = 8.370	Z/BV .079	X/CV .076	.4340

AMES 11-7ft OA12 02/ APU INLET (RBPP14) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	10.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	-20.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.599	BETA (1) =	-8.060	Z/BV	.079	
				X/CV		
				.076	.4650	
MACH (1) =	.600	BETA (2) =	-3.980	Z/BV	.079	
				X/CV		
				.076	.4280	
MACH (1) =	.599	BETA (3) =	.090	Z/BV	.079	
				X/CV		
				.076	.7560	
MACH (1) =	.599	BETA (4) =	4.170	Z/BV	.079	
				X/CV		
				.076	.4060	
MACH (1) =	.602	BETA (5) =	8.250	Z/BV	.079	
				X/CV		
				.076	.4720	
MACH (2) =	.902	BETA (1) =	-8.150	Z/BV	.079	
				X/CV		
				.076	.3920	
MACH (2) =	.903	BETA (2) =	-4.040	Z/BV	.079	
				X/CV		
				.076	.4240	
MACH (2) =	.899	BETA (3) =	.090	Z/BV	.079	
				X/CV		
				.076	.5250	
MACH (2) =	.900	BETA (4) =	4.210	Z/BV	.079	
				X/CV		
				.076	.4220	
MACH (2) =	.906	BETA (5) =	8.350	Z/BV	.079	
				X/CV		
				.076	.3770	

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 02A APU INLET

(RBPP15) (01 MAY 73)

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040 Z/BV .079
X/CV
.076 .5280

MACH (1) = .599 BETA (2) = -3.970 Z/BV .079
X/CV
.076 .5530

MACH (1) = .600 BETA (3) = .100 Z/BV .079
X/CV
.076 .7040

MACH (1) = .598 BETA (4) = 4.160 Z/BV .079
X/CV
.076 .4940

MACH (1) = .599 BETA (5) = 8.260 Z/BV .079
X/CV
.076 .5010

MACH (2) = .901 BETA (1) = -8.120 Z/BV .079
X/CV
.076 .3880

MACH (2) = .900 BETA (2) = -4.010 Z/BV .079
X/CV
.076 .5520

MACH (2) = .899 BETA (3) = .090 Z/BV .079
X/CV
.076 .6390

MACH (2) = .899 BETA (4) = 4.210 Z/BV .079
X/CV
.076 .4980

MACH (2) = .898 BETA (5) = 8.340 Z/BV .079
X/CV
.076 .3610

AMES 11-7D7 CA12 C2A APU INLET (RBPP16) (01 MAY 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = 20.000 RUDDER = -20.000
ELEVON = .000 RUDFLR = .000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -7.990 Z/BV .079 X/CV .076 .4190

MACH (1) = .598 BETA (2) = -3.950 Z/BV .079 X/CV .076 .6500

MACH (1) = .601 BETA (3) = .100 Z/BV .079 X/CV .076 .7800

MACH (1) = .597 BETA (4) = 4.200 Z/BV .079 X/CV .076 .6420

MACH (1) = .604 BETA (5) = 8.320 Z/BV .079 X/CV .076 .4250

MACH (2) = .898 BETA (1) = -8.060 Z/BV .079 X/CV .076 .4100

MACH (2) = .897 BETA (2) = -3.980 Z/BV .079 X/CV .076 .6880

MACH (2) = .897 BETA (3) = .090 Z/BV .079 X/CV .076 .7790

MACH (2) = .896 BETA (4) = 4.240 Z/BV .079 X/CV .076 .8470

MACH (2) = .899 BETA (5) = 8.370 Z/BV .079 X/CV .076 .4140

DATE 19 SEP 73 TABULATED PRESSURE DATA - OA12A (RBFP17) (01 MAY 73)

AMES 11-7FT OA12 02A APU INLET

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) =-10.000 Z/BV .079
X/CV
.076 .3610

MACH (1) = .598 BETA (2) = .080 Z/BV .079
X/CV
.076 .5790

MACH (1) = .600 BETA (3) = 10.370 Z/BV .079
X/CV
.076 .4380

MACH (2) = .901 BETA (1) =-10.120 Z/BV .079
X/CV
.076 .4030

MACH (2) = .899 BETA (2) = .080 Z/BV .079
X/CV
.076 .6100

MACH (2) = .903 BETA (3) = 10.490 Z/BV .079
X/CV
.076 .4210

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPP18) (01 MAY 73)

AMES 11-707 OA12 02A APU INLET

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = 10.000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.070 Z/BV .079
X/CV
.076 .4490

MACH (1) = .596 BETA (2) = .080 Z/BV .079
X/CV
.076 .7370

MACH (1) = .598 BETA (3) = 10.300 Z/BV .079
X/CV
.076 .4890

MACH (2) = .899 BETA (1) =-10.190 Z/BV .079
X/CV
.076 .3770

MACH (2) = .901 BETA (2) = .080 Z/BV .079
X/CV
.076 .5530

MACH (2) = .895 BETA (3) = 10.420 Z/BV .079
X/CV
.076 .3890

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A APU INLET (RBPP19) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4215 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	10.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	10.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) =-10.110 Z/BV .079 X/CV .076 .4210

MACH (1) = .597 BETA (2) = .080 Z/BV .079 X/CV .076 .7420

MACH (1) = .599 BETA (3) = 10.270 Z/BV .079 X/CV .076 .4930

MACH (2) = .904 BETA (1) =-10.210 Z/BV .079 X/CV .076 .3860

MACH (2) = .898 BETA (2) = .090 Z/BV .079 X/CV .076 .5160

MACH (2) = .897 BETA (3) = 10.350 Z/BV .079 X/CV .076 .3620

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPP20) (01 MAY 73)

AMES 11-7ft OA12 02A APU INLET

REFERENCE DATA

SREF =	2.4215 SQ.FT.	XMRP =	28.5300 INCHES		
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

PARAMETRIC DATA

ALPHA =	15.000	RUDDER =	.000
ELEVON =	10.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =-10.080	Z/BV	.079	
			X/CV		
			.076	.3960	
MACH (1) =	.599	BETA (2) = .080	Z/BV	.079	
			X/CV		
			.076	.7040	
MACH (1) =	.599	BETA (3) = 10.290	Z/BV	.079	
			X/CV		
			.076	.4270	
MACH (2) =	.902	BETA (1) =-10.190	Z/BV	.079	
			X/CV		
			.076	.3910	
MACH (2) =	.900	BETA (2) = .070	Z/BV	.079	
			X/CV		
			.076	.6390	
MACH (2) =	.902	BETA (3) = 10.380	Z/BV	.079	
			X/CV		
			.076	.3720	

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPP21) (01 MAY 73)

AMES 11-7UT OA12 OBA APU INLET

REFERENCE DATA

SREF =	2.4210	SQ.FT.	XMRP =	28.5300	INCHES
LREF =	39.8490	INCHES	YMRP =	.0000	INCHES
BREF =	39.8490	INCHES	ZMRP =	.0000	INCHES
SCALE =	.0300	SCALE			

PARAMETRIC DATA

ALPHA =	20.000	RUDDER =	.000
ELEVON =	10.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	BETA (1) =	-10.030	Z/BV	.079
				X/CV	
				.076	.4870
MACH (1) =	.601	BETA (2) =	.070	Z/BV	.079
				X/CV	
				.076	.7800
MACH (1) =	.598	BETA (3) =	10.370	Z/BV	.079
				X/CV	
				.076	.4730
MACH (2) =	.902	BETA (1) =	-10.100	Z/BV	.079
				X/CV	
				.076	.3790
MACH (2) =	.894	BETA (2) =	.080	Z/BV	.079
				X/CV	
				.076	.8420
MACH (2) =	.901	BETA (3) =	10.420	Z/BV	.079
				X/CV	
				.076	.3730

AMES 11-707 OA12 02A APU INLET (RBPP22) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	.000 RUDDER = .000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	-10.000 RUDFLR = .000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0100 SCALE				

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.593	BETA (1) =	-7.970	Z/BV	.079
				X/CV	
				.076	.4270
MACH (1) =	.595	BETA (2) =	-3.940	Z/BV	.079
				X/CV	
				.076	.5340
MACH (1) =	.597	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.5910
MACH (1) =	.598	BETA (4) =	4.200	Z/BV	.079
				X/CV	
				.076	.5240
MACH (1) =	.597	BETA (5) =	8.300	Z/BV	.079
				X/CV	
				.076	.4220
MACH (2) =	.904	BETA (1) =	-8.090	Z/BV	.079
				X/CV	
				.076	.4430
MACH (2) =	.902	BETA (2) =	-4.100	Z/BV	.079
				X/CV	
				.076	.6090
MACH (2) =	.898	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.6390
MACH (2) =	.899	BETA (4) =	4.250	Z/BV	.079
				X/CV	
				.076	.6200
MACH (2) =	.900	BETA (5) =	8.410	Z/BV	.079
				X/CV	
				.076	.4370

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPP23) (01 MAY 73)

AMES 11-7U7 OA12 OEA APU INLET

REFERENCE DATA

SREF =	2.4210	SQ.FT.	XMRP =	28.5300	INCHES
LREF =	33.8490	INCHES	YMRP =	.0000	INCHES
BREF =	33.8490	INCHES	ZMRP =	.0000	INCHES
SCALE =	.0300	SCALE			

PARAMETRIC DATA

ALPHA =	5.000	RUDDER =	.000
ELEVON =	-10.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-8.030	Z/BV	.079
				X/CV	
				.076	.5300
MACH (1) =	.598	BETA (2) =	-3.970	Z/BV	.079
				X/CV	
				.076	.4450
MACH (1) =	.599	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7380
MACH (1) =	.598	BETA (4) =	4.170	Z/BV	.079
				X/CV	
				.076	.4800
MACH (1) =	.598	BETA (5) =	8.250	Z/BV	.079
				X/CV	
				.076	.5230
MACH (2) =	.903	BETA (1) =	-8.140	Z/BV	.079
				X/CV	
				.076	.4150
MACH (2) =	.902	BETA (2) =	-4.030	Z/BV	.079
				X/CV	
				.076	.4450
MACH (2) =	.902	BETA (3) =	.090	Z/BV	.079
				X/CV	
				.076	.5700
MACH (2) =	.903	BETA (4) =	4.220	Z/BV	.079
				X/CV	
				.076	.4470
MACH (2) =	.901	BETA (5) =	8.370	Z/BV	.079
				X/CV	
				.076	.4300

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBPP24) (01 MAY 73)

AMES 11-707 OA12 02A APU INLET

PARAMETRIC DATA

ALPHA = 10.000 RUDDER = .000
ELEVON = -10.000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -8.050 Z/BV .079
X/CV
.076 .4660

MACH (1) = .599 BETA (2) = -3.990 Z/BV .079
X/CV
.076 .4520

MACH (1) = .600 BETA (3) = .880 Z/BV .079
X/CV
.076 .7600

MACH (1) = .596 BETA (4) = 4.150 Z/BV .079
X/CV
.076 .4180

MACH (1) = .599 BETA (5) = 8.230 Z/BV .079
X/CV
.076 .4960

MACH (2) = .900 BETA (1) = -8.150 Z/BV .079
X/CV
.076 .3930

MACH (2) = .900 BETA (2) = -4.030 Z/BV .079
X/CV
.076 .4330

MACH (2) = .899 BETA (3) = .080 Z/BV .079
X/CV
.076 .5260

MACH (2) = .902 BETA (4) = 4.190 Z/BV .079
X/CV
.076 .4300

MACH (2) = .900 BETA (5) = 8.330 Z/BV .079
X/CV
.076 .3720

AMES 11-7X7 0A12 02A APU INLET (RBPP25) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	15.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	-10.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH	(1) =	.598	BETA	(1) = -8.040	Z/BV	.079	
					X/CV		
					.076	.5160	
MACH	(1) =	.598	BETA	(2) = -3.990	Z/BV	.079	
					X/CV		
					.076	.5560	
MACH	(1) =	.597	BETA	(3) = .080	Z/BV	.079	
					X/CV		
					.076	.7180	
MACH	(1) =	.601	BETA	(4) = 4.160	Z/BV	.079	
					X/CV		
					.076	.4910	
MACH	(1) =	.601	BETA	(5) = 8.250	Z/BV	.079	
					X/CV		
					.076	.4970	
MACH	(2) =	.902	BETA	(1) = -8.130	Z/BV	.079	
					X/CV		
					.076	.3930	
MACH	(2) =	.901	BETA	(2) = -4.020	Z/BV	.079	
					X/CV		
					.076	.5660	
MACH	(2) =	.902	BETA	(3) = .020	Z/BV	.079	
					X/CV		
					.076	.6450	
MACH	(2) =	.898	BETA	(4) = 4.190	Z/BV	.079	
					X/CV		
					.076	.5130	
MACH	(2) =	.899	BETA	(5) = 8.320	Z/BV	.079	
					X/CV		
					.076	.3520	

AMES 11-7D7 OA12 C2A APU INLET (RBPP26) (01 MAY 73)

REFERENCE DATA

SREF	=	2.4210 SQ.FT.	XMRP	=	28.5300 INCHES
LREF	=	39.8490 INCHES	YMRP	=	.0000 INCHES
BREF	=	59.8490 INCHES	ZMRP	=	.0000 INCHES
SCALE	=	.0500 SCALE			

PARAMETRIC DATA

ALPHA	=	20.000	RUDDER	=	.000
ELEVON	=	-10.000	RUDFLR	=	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH	(1) =	.597	BETA	(1) = -7.980	Z/BV	.079	
					X/CV		
					.076	.4190	
MACH	(1) =	.598	BETA	(2) = -3.960	Z/BV	.079	
					X/CV		
					.076	.6470	
MACH	(1) =	.600	BETA	(3) = .070	Z/BV	.079	
					X/CV		
					.076	.7960	
MACH	(1) =	.598	BETA	(4) = 4.190	Z/BV	.079	
					X/CV		
					.076	.6320	
MACH	(1) =	.599	BETA	(5) = 8.300	Z/BV	.079	
					X/CV		
					.076	.4240	
MACH	(2) =	.903	BETA	(1) = -8.070	Z/BV	.079	
					X/CV		
					.076	.4040	
MACH	(2) =	.901	BETA	(2) = -3.990	Z/BV	.079	
					X/CV		
					.076	.7880	
MACH	(2) =	.899	BETA	(3) = .080	Z/BV	.079	
					X/CV		
					.076	.7970	
MACH	(2) =	.898	BETA	(4) = 4.230	Z/BV	.079	
					X/CV		
					.076	.8490	
MACH	(2) =	.904	BETA	(5) = 8.360	Z/BV	.079	
					X/CV		
					.076	.4350	

AMES 11-7D7 OA12 O2A APU INLET (RBPP27) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	9.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	-4.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	RUDDER =	.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	ELEVON =	-20.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	BETA (1) =	-4.910	Z/BV	.079
				X/CV	
				.076	.5880
MACH (1) =	.599	BETA (2) =	.080	Z/BV	.079
				X/CV	
				.076	.6730
MACH (1) =	.599	BETA (3) =	5.260	Z/BV	.079
				X/CV	
				.076	.6950
MACH (2) =	.897	BETA (1) =	-4.960	Z/BV	.079
				X/CV	
				.076	.6050
MACH (2) =	.898	BETA (2) =	.080	Z/BV	.079
				X/CV	
				.076	.7260
MACH (2) =	.899	BETA (3) =	5.330	Z/BV	.079
				X/CV	
				.076	.7170

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7ft OA12 OA APU INLET (RBPP28) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	.000 RUDDER = .000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	-20.000 RUDFLR = .000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .597	BETA (1) = -7.970	Z/BV .079	X/CV .076	.4300
MACH (1) = .596	BETA (2) = -3.940	Z/BV .079	X/CV .076	.5410
MACH (1) = .598	BETA (3) = .090	Z/BV .079	X/CV .076	.5990
MACH (1) = .595	BETA (4) = 4.190	Z/BV .079	X/CV .076	.5300
MACH (1) = .598	BETA (5) = 8.290	Z/BV .079	X/CV .076	.4240
MACH (2) = .900	BETA (1) = -8.080	Z/BV .079	X/CV .076	.4380
MACH (2) = .897	BETA (2) = -4.000	Z/BV .079	X/CV .076	.6120
MACH (2) = .900	BETA (3) = .080	Z/BV .079	X/CV .076	.6490
MACH (2) = .904	BETA (4) = 4.240	Z/BV .079	X/CV .076	.5940
MACH (2) = .904	BETA (5) = 8.400	Z/BV .079	X/CV .076	.4450

AMES 11-7D7 OA12 OEA APU INLET (RBFF29) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	5.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	-20.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0500 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	BETA (1) =	-8.030	Z/BV	.079
				X/CV	
				.076	.5210
MACH (1) =	.598	BETA (2) =	-3.980	Z/BV	.079
				X/CV	
				.076	.4580
MACH (1) =	.598	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7190
MACH (1) =	.600	BETA (4) =	4.160	Z/BV	.079
				X/CV	
				.076	.4800
MACH (1) =	.597	BETA (5) =	8.250	Z/BV	.079
				X/CV	
				.076	.5260
MACH (2) =	.898	BETA (1) =	-8.130	Z/BV	.079
				X/CV	
				.076	.4250
MACH (2) =	.902	BETA (2) =	-4.020	Z/BV	.079
				X/CV	
				.076	.4600
MACH (2) =	.899	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.5330
MACH (2) =	.897	BETA (4) =	4.210	Z/BV	.079
				X/CV	
				.076	.4710
MACH (2) =	.896	BETA (5) =	8.370	Z/BV	.079
				X/CV	
				.076	.4320

AMES 11-7BT OA12 OPA APU INLET (RBPP3D) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4215 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	10.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	-20.000
BREF =	39.9490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-8.050	Z/BV	.079
				X/CV	
				.076	.4600
MACH (1) =	.599	BETA (2) =	-3.980	Z/BV	.079
				X/CV	
				.076	.4580
MACH (1) =	.598	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7560
MACH (1) =	.598	BETA (4) =	4.150	Z/BV	.079
				X/CV	
				.076	.4290
MACH (1) =	.598	BETA (5) =	8.230	Z/BV	.079
				X/CV	
				.076	.5030
MACH (2) =	.901	BETA (1) =	-8.160	Z/BV	.079
				X/CV	
				.076	.3980
MACH (2) =	.901	BETA (2) =	-4.040	Z/BV	.079
				X/CV	
				.076	.4190
MACH (2) =	.903	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.5260
MACH (2) =	.902	BETA (4) =	4.190	Z/BV	.079
				X/CV	
				.076	.4230
MACH (2) =	.903	BETA (5) =	8.320	Z/BV	.079
				X/CV	
				.076	.3880

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OEA APU INLET (RBPP31) (01 MAY 73)

PARAMETRIC DATA

ALPHA = 15.000 RUDDER = .000
ELEVON = -20.000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .600 BETA (1) = -8.040 Z/BV .079
X/CV
.076 .5070

MACH (1) = .598 BETA (2) = -3.980 Z/BV .079
X/CV
.076 .5540

MACH (1) = .598 BETA (3) = .080 Z/BV .079
X/CV
.076 .7270

MACH (1) = .599 BETA (4) = 4.170 Z/BV .079
X/CV
.076 .4950

MACH (1) = .597 BETA (5) = 8.240 Z/BV .079
X/CV
.076 .4920

MACH (2) = .898 BETA (1) = -8.130 Z/BV .079
X/CV
.076 .3890

MACH (2) = .901 BETA (2) = -4.020 Z/BV .079
X/CV
.076 .5490

MACH (2) = .901 BETA (3) = .080 Z/BV .079
X/CV
.076 .6330

MACH (2) = .897 BETA (4) = 4.200 Z/BV .079
X/CV
.076 .5090

MACH (2) = .898 BETA (5) = 8.330 Z/BV .079
X/CV
.076 .3580

DATE 16 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A APU INLET (RBPP32) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES		
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES		
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

PARAMETRIC DATA

ALPHA =	20.000	RUDDER =	.000
ELEVON =	-20.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	BETA (1) =	-7.980	Z/BV	.079
				X/CV	
				.076	.4450
MACH (1) =	.597	BETA (2) =	-3.950	Z/BV	.079
				X/CV	
				.076	.6620
MACH (1) =	.599	BETA (3) =	.070	Z/BV	.079
				X/CV	
				.076	.7920
MACH (1) =	.598	BETA (4) =	4.190	Z/BV	.079
				X/CV	
				.076	.6340
MACH (1) =	.600	BETA (5) =	8.290	Z/BV	.079
				X/CV	
				.076	.4440
MACH (2) =	.902	BETA (1) =	-8.070	Z/BV	.079
				X/CV	
				.076	.4090
MACH (2) =	.898	BETA (2) =	-4.000	Z/BV	.079
				X/CV	
				.076	.6810
MACH (2) =	.903	BETA (3) =	.070	Z/BV	.079
				X/CV	
				.076	.7840
MACH (2) =	.897	BETA (4) =	4.220	Z/BV	.079
				X/CV	
				.076	.7720
MACH (2) =	.901	BETA (5) =	8.360	Z/BV	.079
				X/CV	
				.076	.4180

AMES 11-7U7 OA12 OPA APU INLET (RBPP33) (01 MAY 73)

REFERENCE DATA

SREF =	2.421U	SQ.FT.	XMRP =	28.53U0	INCHES
LREF =	39.849U	INCHES	YMRP =	.UUU0	INCHES
BREF =	39.849U	INCHES	ZMRP =	.UUU0	INCHES
SCALE =	.03U0	SCALE			

PARAMETRIC DATA

ALPHA =	-4.UU0	RUDDER =	.UU0
ELEVON =	.UU0	RUDFLR =	4U.UU0

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-4.91U	Z/BV	.079	
				X/CV		
				.076	.6U0	
MACH (1) =	.599	BETA (2) =	.U8U	Z/BV	.079	
				X/CV		
				.076	.67U0	
MACH (1) =	.598	BETA (3) =	5.28U	Z/BV	.079	
				X/CV		
				.076	.706U	
MACH (2) =	.899	BETA (1) =	-4.99U	Z/BV	.079	
				X/CV		
				.076	.611U	
MACH (2) =	.899	BETA (2) =	.U8U	Z/BV	.079	
				X/CV		
				.076	.714U	
MACH (2) =	.900	BETA (3) =	5.35U	Z/BV	.079	
				X/CV		
				.076	.674U	

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

ANES :1-707 OA12 C2A APU INLET (RBPP34) (01 MAY 73)

REFERENCE DATA

SREF	=	2.4210	SQ.FT.	XMRP =	28.5300 INCHES
LREF	=	39.8490	INCHES	YMRP =	.0000 INCHES
BREF	=	39.8490	INCHES	ZMRP =	.0000 INCHES
SCALE	=	.0380	SCALE		

PARAMETRIC DATA

ALPHA =	.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	40.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH	(1) =	.599	BETA	(1) = -7.990	Z/BV	.079	
					X/CV		
					.076	.4200	
MACH	(1) =	.599	BETA	(2) = -3.950	Z/BV	.079	
					X/CV		
					.076	.5210	
MACH	(1) =	.599	BETA	(3) = .090	Z/BV	.079	
					X/CV		
					.076	.6160	
MACH	(1) =	.599	BETA	(4) = 4.200	Z/BV	.079	
					X/CV		
					.076	.5170	
MACH	(1) =	.599	BETA	(5) = 8.310	Z/BV	.079	
					X/CV		
					.076	.4310	
MACH	(2) =	.899	BETA	(1) = -8.100	Z/BV	.079	
					X/CV		
					.076	.4490	
MACH	(2) =	.897	BETA	(2) = -4.010	Z/BV	.079	
					X/CV		
					.076	.6160	
MACH	(2) =	.898	BETA	(3) = .080	Z/BV	.079	
					X/CV		
					.076	.6470	
MACH	(2) =	.896	BETA	(4) = 4.250	Z/BV	.079	
					X/CV		
					.076	.6180	
MACH	(2) =	.901	BETA	(5) = 8.430	Z/BV	.079	
					X/CV		
					.076	.4410	

DATE 10 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A APU INLET (RBPP35) (01 MAY 73)

PARAMETRIC DATA

ALPHA = 5.000 RUDDER = .000
ELEVON = .000 RUDFLR = 40.000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5500 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .599 BETA (1) = -8.040 Z/BV .079
X/CV
.076 .5120

MACH (1) = .599 BETA (2) = -3.980 Z/BV .079
X/CV
.076 .4450

MACH (1) = .599 BETA (3) = .080 Z/BV .079
X/CV
.076 .[illegible]30

MACH (1) = .599 BETA (4) = 4.170 Z/BV .079
X/CV
.076 .4680

MACH (1) = .600 BETA (5) = 8.260 Z/BV .079
X/CV
.076 .5230

MACH (2) = .903 BETA (1) = -8.160 Z/BV .079
X/CV
.076 .4260

MACH (2) = .902 BETA (2) = -4.040 Z/BV .079
X/CV
.076 .4390

MACH (2) = .904 BETA (3) = .080 Z/BV .079
X/CV
.076 .5180

MACH (2) = .902 BETA (4) = 4.220 Z/BV .079
X/CV
.076 .4510

MACH (2) = .898 BETA (5) = 8.370 Z/BV .079
X/CV
.076 .4290

DATE 18 SEP 75 TABULATED PRESSURE DATA - OA12A

AMES 11-7D7 OA12 OBA APU INLET (RBFP36) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	10.000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0300 SCALE			RUDFLR =	40.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.598	BETA (1) =	-8.070	Z/BV	.079
				X/CV	
				.076	.4590
MACH (1) =	.598	BETA (2) =	-3.990	Z/BV	.079
				X/CV	
				.076	.4630
MACH (1) =	.599	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7620
MACH (1) =	.601	BETA (4) =	4.160	Z/BV	.079
				X/CV	
				.076	.4110
MACH (1) =	.599	BETA (5) =	8.230	Z/BV	.079
				X/CV	
				.076	.4870
MACH (2) =	.903	BETA (1) =	-8.170	Z/BV	.079
				X/CV	
				.076	.3970
MACH (2) =	.903	BETA (2) =	-4.050	Z/BV	.079
				X/CV	
				.076	.4350
MACH (2) =	.899	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.5290
MACH (2) =	.897	BETA (4) =	4.200	Z/BV	.079
				X/CV	
				.076	.4220
MACH (2) =	.902	BETA (5) =	8.330	Z/BV	.079
				X/CV	
				.076	.3820

AMES 11-7U7 OA12 O2A APU INLET (RBPP37) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5500 INCHES	ALPHA =	15.000 RUDDER = .000
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	.000 RUDFLR = 40.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES		
SCALE =	.0300 SCALE				

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.596	BETA (1) =	-8.050	Z/BV	.079	
				X/CV		
				.076	.5260	
MACH (1) =	.598	BETA (2) =	-3.990	Z/BV	.079	
				X/CV		
				.076	.5710	
MACH (1) =	.598	BETA (3) =	.080	Z/BV	.079	
				X/CV		
				.076	.7150	
MACH (1) =	.596	BETA (4) =	4.160	Z/BV	.079	
				X/CV		
				.076	.4940	
MACH (1) =	.597	BETA (5) =	8.250	Z/BV	.079	
				X/CV		
				.076	.4940	
MACH (2) =	.899	BETA (1) =	-8.150	Z/BV	.079	
				X/CV		
				.076	.3920	
MACH (2) =	.897	BETA (2) =	-4.050	Z/BV	.079	
				X/CV		
				.076	.5480	
MACH (2) =	.900	BETA (3) =	.070	Z/BV	.079	
				X/CV		
				.076	.6300	
MACH (2) =	.902	BETA (4) =	4.200	Z/BV	.079	
				X/CV		
				.076	.5120	
MACH (2) =	.902	BETA (5) =	8.330	Z/BV	.079	
				X/CV		
				.076	.3700	

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A (RBFP38) (01 MAY 73)

AMES 11-707 OA12 02A APU INLET

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	26.5300 INCHES	ALPHA =	20.000
LREF =	39.8490 INCHES	YMRP =	.1000 INCHES	ELEVON =	.000
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	.000
SCALE =	.0300 SCALE			RUDFLR =	40.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.599	BETA (1) =	-8.000	Z/BV	.079
				X/CV	
				.076	.4250
MACH (1) =	.598	BETA (2) =	-3.960	Z/BV	.079
				X/CV	
				.076	.6540
MACH (1) =	.597	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7900
MACH (1) =	.597	BETA (4) =	4.190	Z/BV	.079
				X/CV	
				.076	.6390
MACH (1) =	.598	BETA (5) =	8.300	Z/BV	.079
				X/CV	
				.076	.4320
MACH (2) =	.[illegible]	BETA (1) =	-8.080	Z/BV	.079
				X/CV	
				.076	.4090
MACH (2) =	.899	BETA (2) =	-3.990	Z/BV	.079
				X/CV	
				.076	.7200
MACH (2) =	.901	BETA (3) =	.080	Z/BV	.079
				X/CV	
				.076	.7960
MACH (2) =	.900	BETA (4) =	4.220	Z/BV	.079
				X/CV	
				.076	.7430
MACH (2) =	.899	BETA (5) =	8.360	Z/BV	.079
				X/CV	
				.076	.4220

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7X7 OA12 OEA APU INLET (RBPP39) (01 MAY 73)

PARAMETRIC DATA

BETA = .000 RUDDER = .000
ELEVON = .000 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.9490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1)xPU INLET DEPENDENT VARIABLE CP

MACH (1) = 1.099 ALPHA (1) = -4.550 Z/BV .079
X/CV
.076 .7710

MACH (1) = 1.100 ALPHA (2) = -3.520 Z/BV .079
X/CV
.076 .7410

MACH (1) = 1.100 ALPHA (3) = -1.490 Z/BV .079
X/CV
.076 .6780

MACH (1) = 1.099 ALPHA (4) = .540 Z/BV .079
X/CV
.076 .6800

MACH (1) = 1.100 ALPHA (5) = 2.510 Z/BV .079
X/CV
.076 .6870

MACH (1) = 1.099 ALPHA (6) = 4.050 Z/BV .079
X/CV
.076 .7010

MACH (1) = 1.100 ALPHA (7) = 6.630 Z/BV .079
X/CV
.076 .7540

MACH (1) = 1.100 ALPHA (8) = 8.590 Z/BV .079
X/CV
.076 .7990

MACH (1) = 1.099 ALPHA (9) = 9.970 Z/BV .079
X/CV
.076 .8030

MACH (1) = 1.101 ALPHA (10) = 14.971 Z/BV .079
X/CV
.076 .7680

AMES 11-7D7 OA12 O2A APU INLET (RBPP39)

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (2) = 1.247 ALPHA (1) = -4.44D Z/BV .079 X/CV .076 .673D

MACH (2) = 1.248 ALPHA (2) = -3.47D Z/BV .079 X/CV .076 .644D

MACH (2) = 1.247 ALPHA (3) = -1.47D Z/BV .079 X/CV .076 .61DD

MACH (2) = 1.248 ALPHA (4) = .52D Z/BV .079 X/CV .076 .576D

MACH (2) = 1.25D ALPHA (5) = 2.58D Z/BV .079 X/CV .076 .6D8D

MACH (2) = 1.248 ALPHA (6) = 4.57D Z/BV .079 X/CV .076 .646D

MACH (2) = 1.248 ALPHA (7) = 6.67D Z/BV .079 X/CV .076 .733D

MACH (2) = 1.249 ALPHA (8) = 8.66D Z/BV .079 X/CV .076 .791D

MACH (2) = 1.246 ALPHA (9) = 10.63D Z/BV .079 X/CV .076 .816D

MACH (2) = 1.244 ALPHA (10) = 14.98D Z/BV .079 X/CV .076 .818D

MACH (3) = 1.398 ALPHA (1) = -4.42D Z/BV .079 X/CV .076 .636D

MACH (3) = 1.395 ALPHA (2) = -3.42D Z/BV .079 X/CV .076 .618D

AMES 11-7U7 OA12 O2A APU INLET (RBPP39)

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (3) = 1.398 ALPHA (3) = -1.430	Z/BV	.079
	X/CV	
	.076	.5750
MACH (3) = 1.397 ALPHA (4) = .520	Z/BV	.079
	X/CV	
	.076	.5460
MACH (3) = 1.396 ALPHA (5) = 2.600	Z/BV	.079
	X/CV	
	.076	.5930
MACH (3) = 1.397 ALPHA (6) = 4.570	Z/BV	.079
	X/CV	
	.076	.6330
MACH (3) = 1.399 ALPHA (7) = 6.440	Z/BV	.079
	X/CV	
	.076	.6870
MACH (3) = 1.398 ALPHA (8) = 8.710	Z/BV	.079
	X/CV	
	.076	.7430
MACH (3) = 1.397 ALPHA (9) = 10.110	Z/BV	.079
	X/CV	
	.076	.7640
MACH (3) = 1.394 ALPHA (10) = 15.030	Z/BV	.079
	X/CV	
	.076	.8290

AMES 11-707 OA12 O2A APU INLET (RBPP40) (01 MAY 73)

REFERENCE DATA

SREF = 2.4215 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHA = .500 RUDDER = .000
ELEVON = .000 RUDFLR = .000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETA (1) = -8.080 Z/BV .079
X/CV
.076 .5980

MACH (1) = 1.101 BETA (2) = -4.000 Z/BV .079
X/CV
.076 .7030

MACH (1) = 1.100 BETA (3) = -1.960 Z/BV .079
X/CV
.076 .6730

MACH (1) = 1.099 BETA (4) = .080 Z/BV .079
X/CV
.076 .6930

MACH (1) = 1.069 BETA (5) = 2.150 Z/BV .079
X/CV
.076 .7210

MACH (1) = 1.100 BETA (6) = 4.230 Z/BV .079
X/CV
.076 .6830

MACH (1) = 1.099 BETA (7) = 8.390 Z/BV .079
X/CV
.076 .6660

MACH (2) = 1.250 BETA (1) = -8.040 Z/BV .079
X/CV
.076 .5420

MACH (2) = 1.247 BETA (2) = -3.970 Z/BV .079
X/CV
.076 .5790

MACH (2) = 1.247 BETA (3) = -1.940 Z/BV .079
X/CV
.076 .6220

AMES 11-7U7 OA12 O2A APU INLET (RBPP4U)

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETA (4) = .080 Z/BV .079
X/CV
.076 .5710

MACH (2) = 1.245 BETA (5) = 2.140 Z/BV .079
X/CV
.076 .6340

MACH (2) = 1.245 BETA (6) = 4.210 Z/BV .079
X/CV
.076 .6510

MACH (2) = 1.247 BETA (7) = 8.340 Z/BV .079
X/CV
.076 .5780

MACH (3) = 1.396 BETA (1) = -8.040 Z/BV .079
X/CV
.076 .4360

MACH (3) = 1.399 BETA (2) = -3.970 Z/BV .079
X/CV
.076 .5690

MACH (3) = 1.397 BETA (3) = .080 Z/BV .079
X/CV
.076 .5540

MACH (3) = 1.394 BETA (4) = 4.210 Z/BV .079
X/CV
.076 .6520

MACH (3) = 1.392 BETA (5) = 8.360 Z/BV .079
X/CV
.076 .5020

AMES 11-7U7 OA12 O2A APU INLET (RBPP41) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES	ALPHA =	-4.000
LREF =	59.8490 INCHES	YMRP =	.0000 INCHES	ELEVON =	.000
BREF =	59.8490 INCHES	ZMRP =	.0000 INCHES	RUDDER =	-10.000
SCALE =	.0300 SCALE			RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	BETA (1) =	-4.910	Z/BV	.079
				X/CV	
				.076	.6110
MACH (1) =	.598	BETA (2) =	.090	Z/BV	.079
				X/CV	
				.076	.6580
MACH (1) =	.600	BETA (3) =	5.280	Z/BV	.079
				X/CV	
				.076	.6960
MACH (2) =	.900	BETA (1) =	-4.990	Z/BV	.079
				X/CV	
				.076	.6020
MACH (2) =	.900	BETA (2) =	.090	Z/BV	.079
				X/CV	
				.076	.7130
MACH (2) =	.901	BETA (3) =	5.360	Z/BV	.079
				X/CV	
				.076	.6650

AMES 11-7U7 CA12 02A APU INLET (RBPP42) (01 MAY 73)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2.421U SQ.FT. XMRP = 29.53U INCHES
LREF = 39.849U INCHES YMRP = .0U/U INCHES
BREF = 39.849U INCHES ZMRP = .0U/U INCHES
SCALE = .03U SCALE

ALPHA = -4.0U0 RUDLER = -2U.0U0
ELEVON = .0U0 RUDFLR = .0U0

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .596 BETA (1) = -4.900 Z/BV .079
X/CV
.076 .6170

MACH (1) = .596 BETA (2) = .100 Z/BV .079
X/CV
.076 .6690

MACH (1) = .598 BETA (3) = 5.290 Z/BV .079
X/CV
.076 .7090

MACH (2) = .904 BETA (1) = -4.980 Z/BV .079
X/CV
.076 .8030

MACH (2) = .900 BETA (2) = .100 Z/BV .079
X/CV
.076 .7160

MACH (2) = .901 BETA (3) = 5.360 Z/BV .079
X/CV
.076 .6610

AMES 11-707 OA12 O2A APU INLET (RBPP43) (01 MAY 73)

C-13

REFERENCE DATA

SREF =	2.4210	90.FT.	XMRP =	23.5300	INCHES
LREF =	39.8490	INCHES	YMRP =	.0000	INCHES
BREF =	39.8490	INCHES	ZMRP =	.0000	INCHES
SCALE =	.0300	SCALE			

PARAMETRIC DATA

ALPHA =	-4.000	RUDDER =	.000
ELEVON =	10.000	RUDFLR =	.000

SECTION (1)APU INLE?

DEPENDENT VARIABLE CP

MACH	(1) =	.600	BETA	(1) =	-4.910	Z/BV	.079
						X/CV	
						.076	.5950
MACH	(1) =	.599	BETA	(2) =	.080	Z/BV	.079
						X/CV	
						.076	.6490
MACH	(1) =	.597	BETA	(3) =	5.270	Z/BV	.079
						X/CV	
						.076	.6890
MACH	(2) =	.897	BETA	(1) =	-4.980	Z/BV	.079
						X/CV	
						.076	.5960
MACH	(2) =	.896	BETA	(2) =	.080	Z/BV	.079
						X/CV	
						.076	.7110
MACH	(2) =	.903	BETA	(3) =	5.340	Z/BV	.079
						X/CV	
						.076	.6540

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-707 OA12 OEA APU INLET (RBPP44) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0300 SCALE		

PARAMETRIC DATA

ALPHA =	-4.000	RUDDER =	.000
ELEVON =	-10.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .597 BETA (1) = -4.910 Z/BV .079 X/CV .076 .5940

MACH (1) = .597 BETA (2) = .080 Z/BV .079 X/CV .076 .6660

MACH (1) = .597 BETA (3) = 5.270 Z/BV .079 X/CV .076 .6950

MACH (2) = .903 BETA (1) = -4.980 Z/BV .079 X/CV .076 .5970

MACH (2) = .902 BETA (2) = .080 Z/BV .079 X/CV .076 .7270

MACH (2) = .904 BETA (3) = 5.340 Z/BV .079 X/CV .076 .6930

AMES 11-7X7 OA12 OEA APU INLET (RBPP45) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	28.5300 INCHES
LREF =	39.0490 INCHES	YMRP =	.0000 INCHES
BREF =	39.0490 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0300 SCALE		

PARAMETRIC DATA

ALPHA =	-4.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.801	BETA (1) =	-4.910	Z/BV	.079
				X/CV	
				.078	.5820
MACH (1) =	.897	BETA (2) =	.080	Z/BV	.079
				X/CV	
				.078	.6560
MACH (1) =	.998	BETA (3) =	5.280	Z/BV	.079
				X/CV	
				.078	.6800
MACH (2) =	.901	BETA (1) =	-5.000	Z/BV	.079
				X/CV	
				.078	.6060
MACH (2) =	.908	BETA (2) =	.080	Z/BV	.079
				X/CV	
				.078	.7130
MACH (2) =	.900	BETA (3) =	5.330	Z/BV	.079
				X/CV	
				.078	.6610

DATE 18 SEP 73 TABULATED PRESSURE DATA - OA12A

AMES 11-7U7 OA12 O2A APU INLET (RBPP46) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210	SQ.FT.	XMRP =	28.5350	INCHES
LREF =	39.8490	INCHES	YMRP =	.0000	INCHES
BREF =	39.8490	INCHES	ZMRP =	.0000	INCHES
SCALE =	.0500	SCALE			

PARAMETRIC DATA

BETA =	.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) =	.600	ALPHA (1) =	-15.050	Z/BV	.079
				X/CV	
				.076	.8880
MACH (1) =	.599	ALPHA (2) =	-10.490	Z/BV	.079
				X/CV	
				.076	.8010
MACH (1) =	.599	ALPHA (3) =	-5.200	Z/BV	.079
				X/CV	
				.076	.6910
MACH (1) =	.599	ALPHA (4) =	.050	Z/BV	.079
				X/CV	
				.076	.5010
MACH (2) =	.900	ALPHA (1) =	-16.390	Z/BV	.079
				X/CV	
				.076	.9640
MACH (2) =	.901	ALPHA (2) =	-10.640	Z/BV	.079
				X/CV	
				.076	.7990
MACH (2) =	.900	ALPHA (3) =	-5.380	Z/BV	.079
				X/CV	
				.076	.7150
MACH (2) =	.902	ALPHA (4) =	.060	Z/BV	.079
				X/CV	
				.076	.6700

AMES 11-707 OA12 OBA APU INLE (RBPP47) (01 MAY 73)

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XMRP =	29.5300 INCHES
LREF =	39.8490 INCHES	YMRP =	.0000 INCHES
BREF =	39.8490 INCHES	ZMRP =	.0000 INCHES
SCALE =	.0300 SCALE		

PARAMETRIC DATA

ALPHA =	-5.000	RUDDER =	.000
ELEVON =	.000	RUDFLR =	.000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH (1) = .598 BETA (1) =-10.300 Z/BV .079 X/CV .076 .3580

MACH (1) = .597 BETA (2) = -5.190 Z/BV .079 X/CV .076 .6950

MACH (1) = .597 BETA (3) = 5.000 Z/BV .079 X/CV .076 .7320

MACH (1) = .599 BETA (4) = 10.380 Z/BV .079 X/CV .073 .5460

MACH (2) = .898 BETA (1) =-10.440 Z/BV .079 X/CV .076 .3800

MACH (2) = .904 BETA (2) = -5.270 Z/BV .079 X/CV .076 .7270

MACH (2) = .902 BETA (3) = 5.070 Z/BV .079 X/CV .076 .7210

MACH (2) = .898 BETA (4) = 10.220 Z/BV .079 X/CV .076 .5870

AMES 11-7X7 OA12 OEA APU INLET (RBPP48) (01 MAY 73)

REFERENCE DATA

SREF	=	2.4210	SQ.FT.	XMRP	=	28.5500	INCHES
LREF	=	59.8490	INCHES	YMRP	=	.0000	INCHES
BREF	=	59.8490	INCHES	ZMRP	=	.0000	INCHES
SCALE	=	.0500	SCALE				

PARAMETRIC DATA

ALPHA	=	-10.000	RUDDER = .000
ELEVON	=	.000	RUDFLR = .000

SECTION (1)APU INLET DEPENDENT VARIABLE CP

MACH	(1) =	.598	BETA	(1) =-10.280	Z/BV	.079	
					X/CV		
					.076	.3780	
MACH	(1) =	.598	BETA	(2) = -5.180	Z/BV	.079	
					X/CV		
					.076	.7780	
MACH	(1) =	.597	BETA	(3) = 5.020	Z/BV	.079	
					X/CV		
					.076	.7810	
MACH	(1) =	.598	BETA	(4) = 10.120	Z/BV	.079	
					X/CV		
					.076	.3970	
MACH	(2) =	.901	BETA	(1) =-10.480	Z/BV	.079	
					X/CV		
					.076	.5070	
MACH	(2) =	.898	BETA	(2) = -5.270	Z/BV	.079	
					X/CV		
					.076	.8460	
MACH	(2) =	.901	BETA	(3) = 5.110	Z/BV	.079	
					X/CV		
					.076	.8720	
MACH	(2) =	.900	BETA	(4) = 10.300	Z/BV	.079	
					X/CV		
					.076	.5640	