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AN EXPERIMENTAL INVESTIGATION OF PROPFAN
INSTALLATIONS ON AN UNSWEPT SUPERCRITICAL
WING AT TRANSONIC MACH NUMBERS

Glynn R. Bartlett

VIGYAN RESEARCH ASSOCIATES, INC.
Hampton, Virginia

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NASA
National Aeronautics and
Space Administration
Langley Research Center
Hampton, Virginia 23665



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LIST OF SYMBOLS

a	Major axis of ellipse in nacelle cross section, inches
b	Minor axis of ellipse in nacelle cross section, inches
c	Height of straight side in nacelle cross section, inches
C	Chord of wing, 12 inches
CONF	Configuration type 1, 2, or 3 (wing alone, under wing nacelle, or overwing nacelle respectively)
CT	Propeller thrust coefficient, $T/\rho n^2 D^4$
CP	Pressure coefficient, $(P-P_x)/q_x$
D	Propeller diameter, 12.5 inches
J	Advance ratio, V_x/nD
L.E.	Leading edge of wing
M	Mach number
n	Revolutions per second of propeller
NPR	Nozzle Pressure Ratio
P	Local static pressure
P_∞	Freestream static pressure
q	Local dynamic pressure
q_∞	Freestream dynamic pressure
r	Local radius in nacelle cross section, inches
R	Radius of propeller, 6.25 inches
R_{arc}	Radius of propeller circular arc boattail
R'	Local radius to hub at X' , inches
S	Wing surface area, 480 square inches
T	Propeller thrust

T.E.	Trailing edge of wing
TPS	Propeller Tip Speed, $TPS = \omega R$
V	Freestream velocity
X	Distance streamwise from wing leading edge, inches
x	Distance streamwise from symmetric break on nacelle for contour transition, inches
X_t	Location of boundary layer transition strip from wing leading edge, inches
X^*	Distance streamwise from leading edge of propeller hub, inches
Y	Ordinate along span of wing measured from nacelle centerline, inches
Z	Ordinate perpendicular to X - Y plane, inches
α	Angle of attack model
θ	Radial stations on nacelle, degrees
ρ	Freestream static density

SUMMARY

An investigation has been conducted in the Langley 16-Foot Transonic Tunnel to determine propfan installation and slipstream interference effects on an unswept supercritical wing. This data can be used for verification of existing and developing theoretical codes as well as giving an understanding of the flow interactions associated with propeller/nacelle/wing integration. The investigation was conducted over a Mach number range of 0.5 to 0.8 and at angles of attack from 0° to 3° . The propeller was powered by an air turbine simulator and the exhaust from the air turbine was used to simulate the exhaust from the propfan nacelle. Reynolds number based on wing chord varied from 3 to 4 million.

Results indicate that the propfan causes an increase in the wing lift coefficient. It was found that most of the propeller induced swirl is recovered by the wing. The propeller slipstream also causes a large favorable leading edge suction peak on the upwash side and a smaller unfavorable decrease on the downwash side.

I. INTRODUCTION

There has been a large effort in recent years to design more efficient transport aircraft. One approach is to use a propfan instead of a turbofan as a means of providing the necessary propulsion. A propfan has a greater propulsive efficiency than the turbofan at Mach numbers up to 0.8 and therefore a significantly lower SFC.¹ If the propfan can be installed without large adverse interference effects occurring, a large fuel savings can be realized.^{2,3,4,5} Careful consideration of the propfan and nacelle effects on the wing must be taken into account during installation in order not to lose the beneficial effects derived from the propfan. Defining a methodology for integrating the propfan/nacelle into the wing will require the structuring of a research program that includes both experimental and theoretical elements.^{6,7} Due to the expense of experimentation, it is preferable to develop designs from theoretical codes and use experiment for verification, making slight modifications to the model as necessary in the final experimentation phase.

At the present time there are no proven theoretical codes that can predict the effects of the propfan and nacelle on the wing at transonic speeds. More advanced numerical techniques are needed, and detailed experimental data are required to verify and to guide the development of these techniques.

The purpose of this present investigation is to provide subsonic and transonic data on an overwing and underwing propfan installation on a supercritical wing that can be used for verification of

theoretical methods. In addition, the results of this study provides data that increases the understanding of the complex flow phenomena associated with prop/nacelle/wing interactions.

A very simple geometric model, which can be easily described to the computer, was used in this study. As a result, the effects of body interactions and the effects due to wing sweep, taper, and twist were not included. The effects due to power were simulated by an SR-2 propeller powered by an air driven turbine simulator.¹ The configurations were tested over a range of free-stream Mach numbers from 0.5 to 0.8 and through an angle of attack range from 0° to 3° in the Langley 16-Foot Transonic Tunnel. Extensive static pressure measurements were made on the wing and nacelle along with force measurements on the propeller and hub to obtain a thrust coefficient.

II. EXPERIMENTAL APPARATUS AND PROCEDURES

WIND TUNNEL DESCRIPTION

The investigation was conducted in the Langley 16-Foot Transonic Tunnel, shown in Figure 1. The tunnel is an atmospheric, transonic, single-return type with up to 20% continuous air exchange and capable of operation from Mach .20 to 1.30. The test section is octagonal and slotted at the vertices with a distance of 15.3 feet between the flats. A more detailed description of the Langley 16-Foot Transonic Tunnel can be found in references 8, 9, and 10.

MODEL AND SUPPORT SYSTEM

The model consisted of a propfan and nacelle integrated into an unswept-untapered supercritical wing mounted on the Langley 16-Foot Transonic Tunnel bifurcated strut support system. Both an overwing and an underwing nacelle arrangement was tested. A photograph of underwing nacelle configuration is presented as Figure 2. A detailed description of the strut system is given in reference 10, and figure 3 shows details of the support strut in vicinity of the wing. High pressure air was brought through the bifurcated support system to drive the propfan air turbine simulator. The exhaust of the simulator went out the aft end of the nacelle.

~~Prop-Hub.~~ - There were three main parts to the model: the propeller and hub, the nacelle, and the wing. The propeller was an BR-2 design, 12.5 inches in diameter with the blades constructed of carbon composite material. For this investigation, the propfan rotation was clockwise as viewed from the rear, with the propfan plane

being located 12.5 inches in front of the wing quarter chord. The propeller pitch was varied by a ring gear which meshed with a sector gear at the bottom of each blade. This allowed the pitch of the eight blades to be set at one time, in approximately 1° increments. The hub contour is given in Table I.

Nacelle. - The nacelle length including propeller hub was 18.5 inches and the nacelle maximum diameter was 4.5 inches. Figure 4 provides details of the over wing nacelle and the under wing nacelle. The circular arc contour from the hub to the maximum nacelle diameter was a 5.879 inches radius over a distance of 1.974 inches. The center section of the nacelle was a cylinder that was 2.5 inches long and had a diameter of 4.5 inches. The circular arc boattail (nacelle boattail radius = 81.094 inches) started at an X/C of -0.365 for both nacelles and continued to the exit of the nacelle. The nacelle exit was located at 40% X/C on the wing. The centerline of the overwing nacelle was 1.478 inches above the wing reference line while the centerline of the underwing nacelle was 1.509 inches below the wing reference line. The nacelle centerline was parallel to the wing reference line.

The following description of nacelle cross sectional geometry will cover only the underwing nacelle since the overwing nacelle is effectively an inverted underwing nacelle. Figure 4b shows the overwing nacelle and figure 4d shows the underwing nacelle. From the end of the cylindrical section of the nacelle to the wing leading edge there is a change in contour on the upper surface of the nacelle from a semicircular shape to an elliptical shape, while the lower surface stays a semicircular shape. The upper surface fairs to a

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flatter ellipse as it nears the wing leading edge, with the major axis always equal to the diameter of the lower surface semicircle. The distance from the axisymmetric break to the wing leading edge (distance of contour transition) was 4.378 inches. Figures 4c and 4e give cross sectional views of the nacelles during contour transition with the equations to obtain the different cross sectional contours. Aft of the wing leading edge the elliptic shape does not change. The cross sectional contour connection between the ellipse and the semicircle was a straight line, which gave the sides of the nacelle the same circular arc boattail as the rest of the nacelle. This causes the exhaust to have a D shape as can be seen in Figure 4b and 4d. References 3, 4, and 5 were used to determine the general size and shape of the nacelle.

Wing. - The wing had a chord of 12.0 inches, a thickness to chord ratio of 12.5%, and a span of 40 inches. The wing span was the distance between the booms of the bifurcated support system. The airfoil is a supercritical design taken from the Energy Efficient Transport (EET) with the airfoil section used corresponding to the engine installation position at 40% semispan station¹¹. The wing coordinates based on the reference line are given in Table 1.

The wing leading edge was located 12.11 inches behind the leading edge of the bifurcated support system. The wing was centered on the bifurcated support system such that its reference line was 2.15 inches below the top of bifurcated support system and 2.15 inches above the bottom of the support. Additional details of the bifurcated support system are presented on figure 3.

TEST PROCEDURE AND INSTRUMENTATION

Tests were conducted on three basic configurations - wing alone, underwing nacelle, and overwing nacelle - with and without the propeller. With the propeller removed the effects of NPR were investigated. For these tests a blank hub was used in place of the hub with the propeller, which had the same contour. The underwing nacelle configuration was tested over a Mach number range from $M = 0.7$ to $M = 0.8$, while the overwing nacelle configuration was tested from $M = 0.5$ to $M = 0.8$. Propeller tip speed settings were: 700, 800 and 850 feet/second. The NPR was set by the amount of power required by the propeller for a given condition.

Since the Langley 16-Foot Transonic Tunnel is an atmospheric tunnel, the tunnel free-stream conditions vary with ambient conditions. The range of free-stream conditions is shown as a function of Mach number in reference 10. For this investigation the tunnel total temperature ranged from 80° to 110° F, while the tunnel total pressure ranged from 14.55 to 14.95 psia. The Reynolds Number varied from 3×10^6 at $M = 0.50$ to 4×10^6 at $M = 0.80$.

Data obtained during the investigation consisted of pressure data on the wing and nacelle along with propeller force and moment data. There were 32 pressure orifices at each of 11 span stations with 3 additional pressure orifices in the wing trailing edge (see fig. 5). The wing pressure orifices had the same chordwise locations at all span stations with a orifice inside diameter of 0.018 inches. Table IV gives locations of pressure orifices on the wing based on the ratio of span station to propeller radius. Seven of the spanwise rows of

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pressure orifices were located within the propeller radius.

The nacelle had eight rows of pressure orifices equally spaced around the nacelle in a clockwise direction viewed from the rear in 45° increments starting on the upper surface of the nacelle at the 22.5° position (0° is at top of the nacelle). Table IV also lists positions for the nacelle static pressure orifices. For the overwing nacelle radial locations at 112.5° and 247.5°, there was an offset above the wing surface of 0.2 inches for the last seven pressure orifices. For the underwing configuration this same offset occurred at radial locations 67.5° and 292.5°, which are located under the wing.

The propfan hub and propeller blades were the only part of the model that was on a strain gage balance, with the metric break between the rotating and nonrotating parts of the nacelle and hub. Axial force, normal force, and pitching moment were measured on the hub and nondimensionalized to standard propeller coefficients.¹² The accuracy of the balance is 0.5% of full scale loads, which was 100 pounds for axial and normal force. Pressures were measured by electrical strain gage pressure transducers through a scanner valve arrangement. Pressure gages with a maximum allowable gage pressure of 10 psi were used for external wing and nacelle pressures with a resulting accuracy of $\pm .002$ in CP.

The exhaust jet measurements included internal total and static pressures and total temperature. With the prop off the NPR was simulated with the high pressure air system from air-off to NPR of 2. (The expected NPR of a real propfan is between 1.5 and 1.8.) The

stagnation temperature of the dry high pressure air was approximately 275° Kelvin.

Boundary layer transition was fixed on the propeller hub, wing, and support system by a grit transition strip that was 0.1 inches wide.^{13,14} The propeller hub had No. 120 grit located 0.5 inches from the nose while the bifurcated support system had No. 100 located 1.0 inch behind the leading edge. The wing had No. 90 located 3.6 inches (30% x/c) behind the leading edge on both upper and lower surface.

The Langley 16 Foot Transonic Tunnel standard data reduction system was used for this investigation to compute CP and force data. However, a special program was required to compute the propeller coefficients.

The range of geometric pitch of the propeller was from 40° to 65° measured at the three quarter radius. This allowed for a change in power loading for different Mach numbers and tip speeds. The geometric pitch setting was held constant for each run with the pitch schedule given in Table II. A typical run consisted of three Mach numbers with three different propeller tip speed settings for each Mach number while traversing the angle of attack range at each setting. The angle of attack was measured by an accelerometer located in the right hand tip of the bifurcated support system.

III. PRESENTATION OF RESULTS

The data measured during this investigation is presented in tabulated form from page 31 through 194. The index to this data is provided on page 30. At the top of each page of tabulated data, a header consisting of Mach, alpha, CT, J, CONF (configuration), NPR, run and point is provided. The data is presented in increasing Mach number, angle of attack, and thrust coefficient for propfan plus jet effects, while for jet effects alone thrust coefficient data was replaced by NPR.

For this investigation the propfan rotation was clockwise as viewed from the rear such that the upwash and downwash (+ or -y) sides of the wing were to the left and right of the nacelle respectively. The pressure coefficient data are presented with the negative y values of the orifice location on the upwash side and the positive y values on the downwash side with span station 0.00 at the nacelle centerline. The span stations were ratioed to the propeller radius so that a span station of 1.0 corresponds to one radius of the propeller from nacelle centerline.

The jet effect (i.e. prop off) data presented matches the propfan thrust coefficient data presented. Jet effect data not presented indicated that the major change in pressure coefficient distribution on the wing was between jet off and a NPR of 1.2. There were only slight changes between an NPR of 1.2 and 1.8. The jet effect was more pronounced at the higher Mach numbers.

Figure 6 shows a typical plot of wing CP data versus X/C. It can be seen on the upwash side, especially in figure 6d, that the section lift has been increased. On the downwash side the section

lift has been decreased as can be seen in figure 6g. The upwash causes an increase in the leading edge suction peak, while the downwash causes a decrease. Because the q and swirl effect were additive on the upwash side, the increment in lift was greater on the upwash side than the decrement in lift on the downwash side resulting in an overall increased lift coefficient due to the propeller slipstream. The largest difference due to propeller effects can be seen at the leading edge of the wing, with the trailing edge pressures approaching the wing alone conditions near the wing trailing edge. This tends to indicate that a large portion of the swirl is being recovered by the wing.

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TABLE I

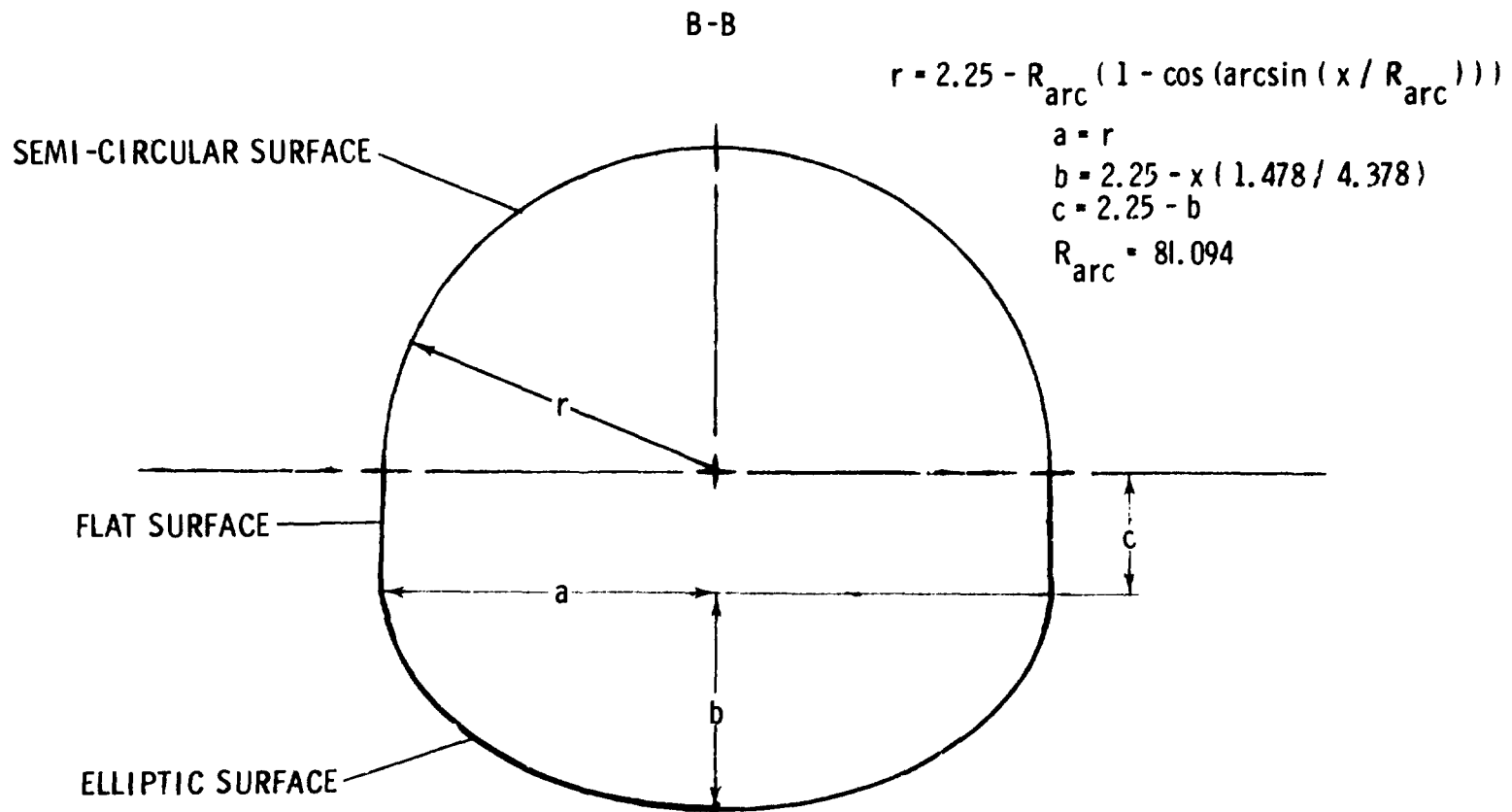
SR-2 HUB CONTOUR

DIM. X'	DIM. R'
0.0000	0.0000
.1786	.2653
.3061	.3725
.5612	.5459
.8163	.6888
1.3265	.9184
1.8367	1.1021
2.3469	1.2602
2.8571	1.3776
3.1122	1.4031
3.3673	1.4184
3.6990	1.4939

(Between X' = 3.6990 and end of hub, contour is a cone
with / incl. angle of 39° - 14' - 12")

TABLE II

<u>Overwing</u>		<u>Underwing</u>	
<u>Pitch</u>	<u>Run</u>	<u>Pitch</u>	<u>Run</u>
41.9	3	58.8	24
45.9	4	60.2	23
47.8	5		
49.5	6		
52.8	20		
54.7	19		
57.2	16		
57.2	17		
58.6	18		
60.1	21		
60.2	15		
62.5	14		
<u>Prop Off</u>		<u>Prop Off</u>	
--	2	--	22
--	8		



x is the distance from the symmetric break to the cross-section in question. The elliptic surface shape is constant from the wing leading edge back.

(c) Overwing nacelle cross-section near the wing leading edge.

Figure 4. - Continued.

TABLE IV

WING AND NACELLE PRESSURE TAP LOCATIONS

WING PRESSURES		NACELLE PRESSURES
UPPER SURFACE	LOWER SURFACE	LONGITUDINAL STATION
(% X/C)	(% X/C)	(% X/C)
0.0	0.0	-73.4
0.5	0.5	-67.9
1.5	1.5	-62.1
3.0	3.0	-56.3
5.0	5.0	-50.4
10.0	10.0	-44.6
17.5	17.5	-36.3
25.0	25.0	-27.9
35.0	35.0	-19.6
45.0	45.0	-11.3
50.0	55.0	- 2.9
52.5	65.0	3.3
55.0	75.0	9.6
65.0	85.0	15.8
75.0	92.5	22.1
85.0	99.0	28.3
95.0		34.6
		38.7

SPAN STATIONS	RADIAL STATION
(% Y/R)	(θ)
-200.0	22.5
-125.0	67.5
-100.0	112.5
- 70.0	157.5
- 37.0	202.5
0.0	247.5
37.0	292.5
70.0	337.5
100.0	
125.0	
200.0	

view looking aft

(X/C values are the same for all span stations on the wing and radial locations on the nacelle)

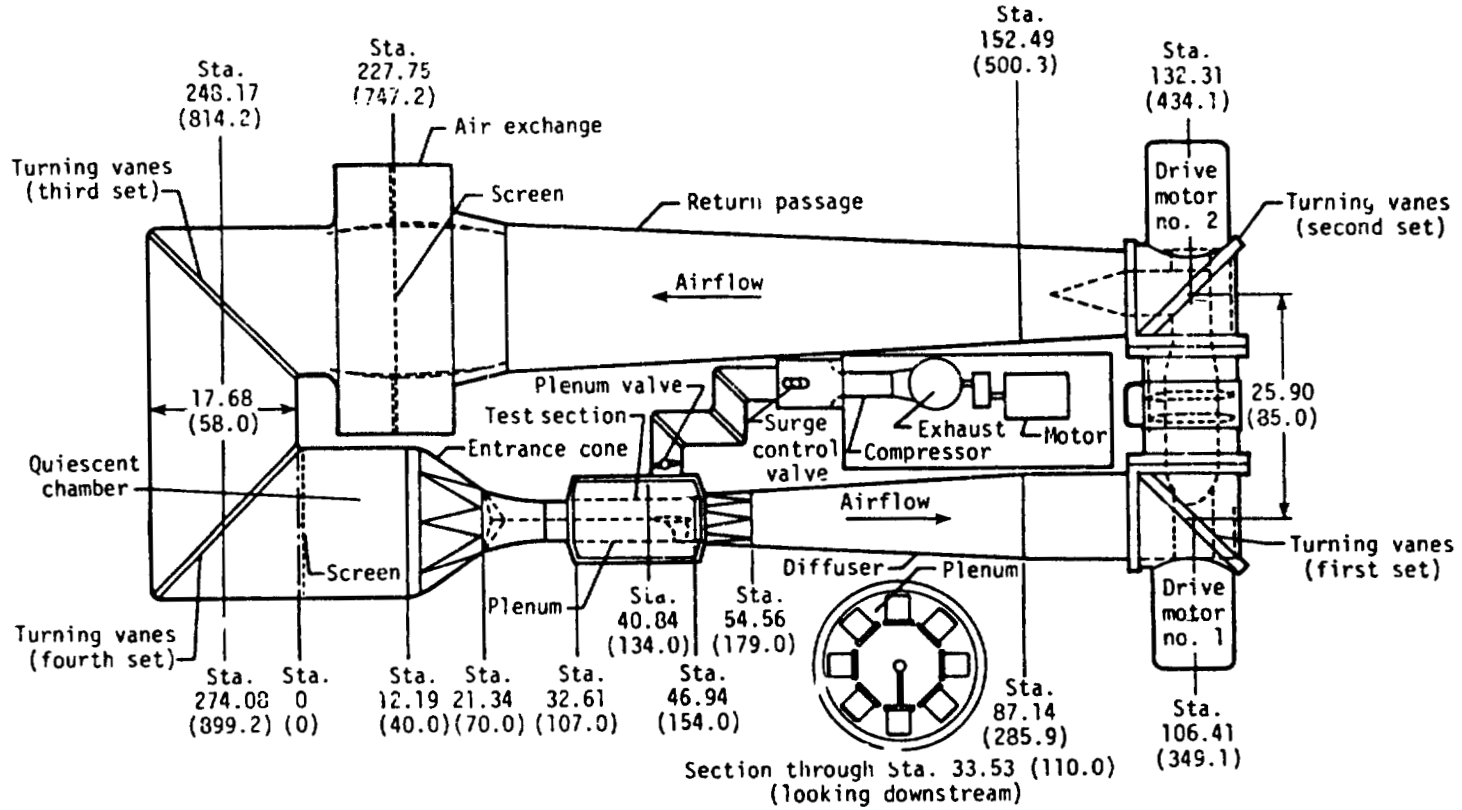


Figure 1. - Arrangement of the Langley 16-Foot Transonic Tunnel

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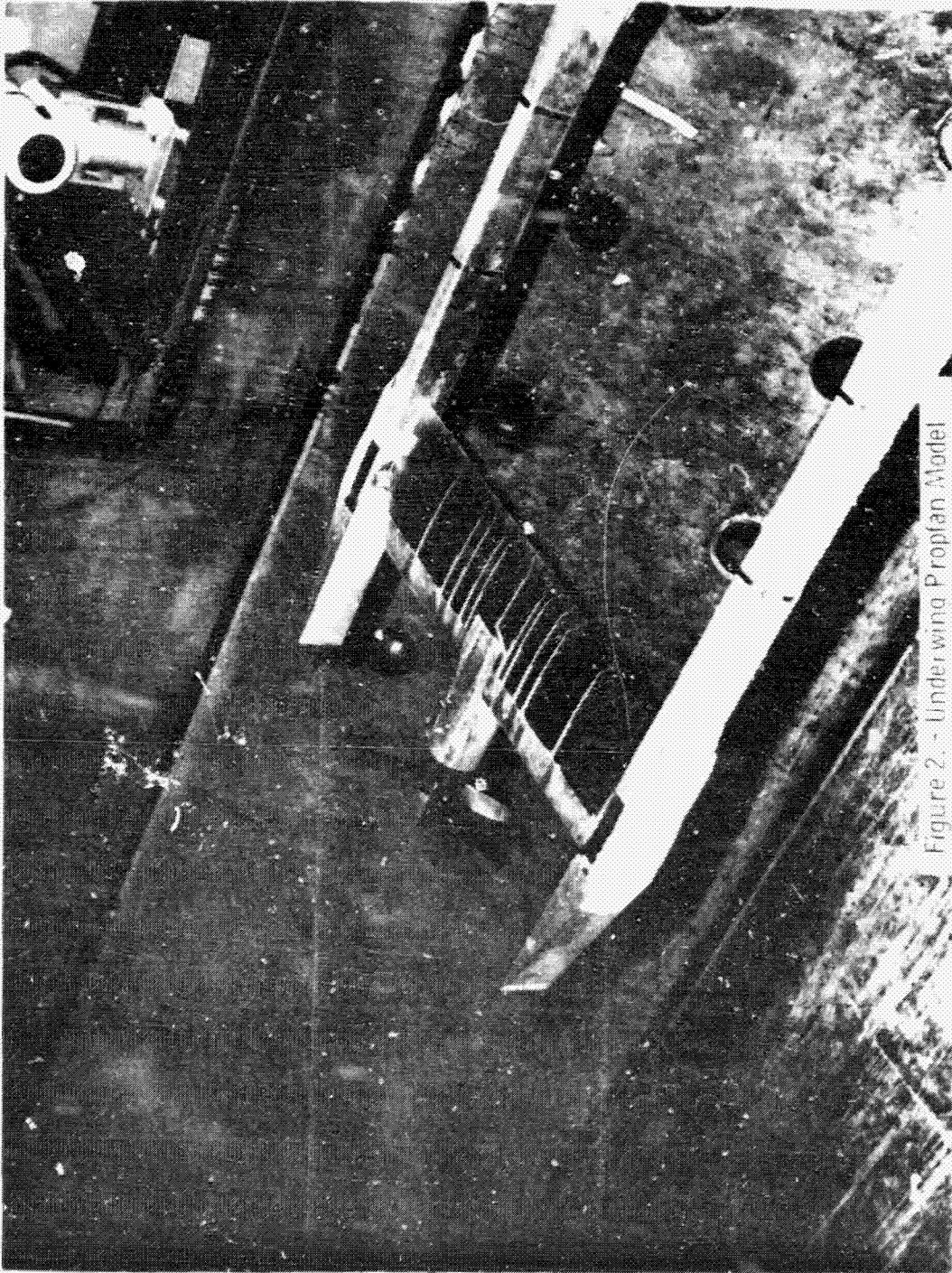


Figure 2. - Underwing Propfan Model

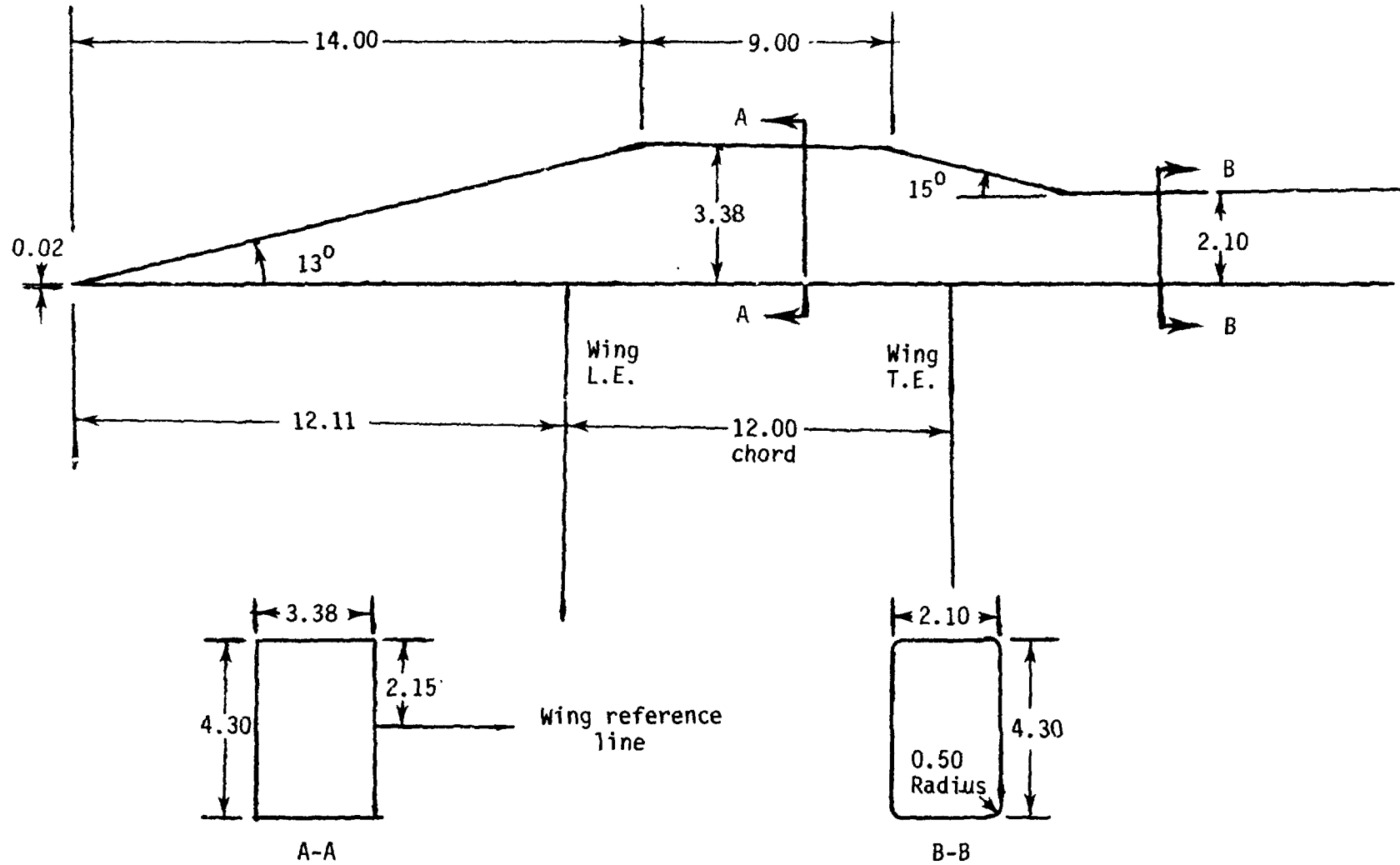
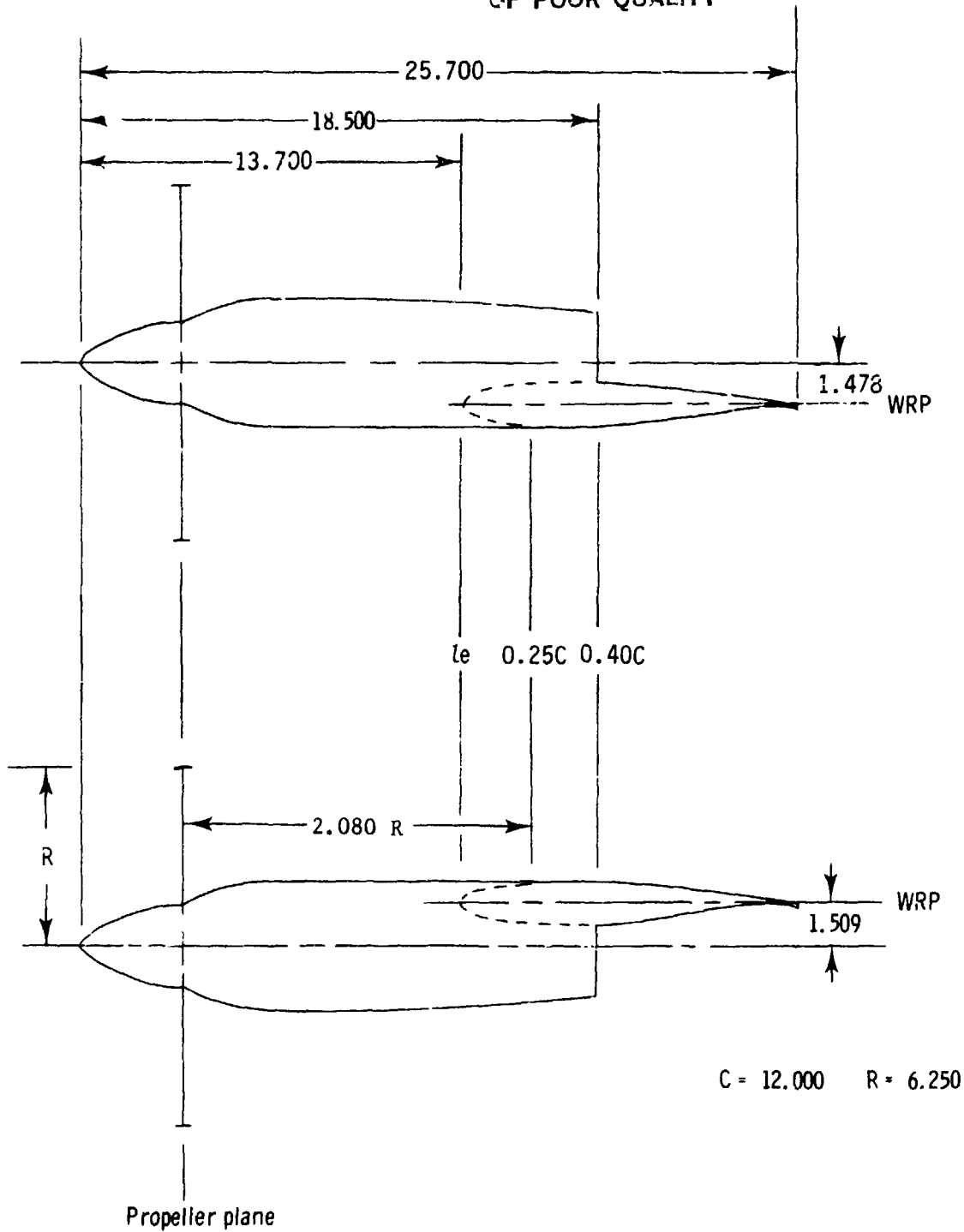


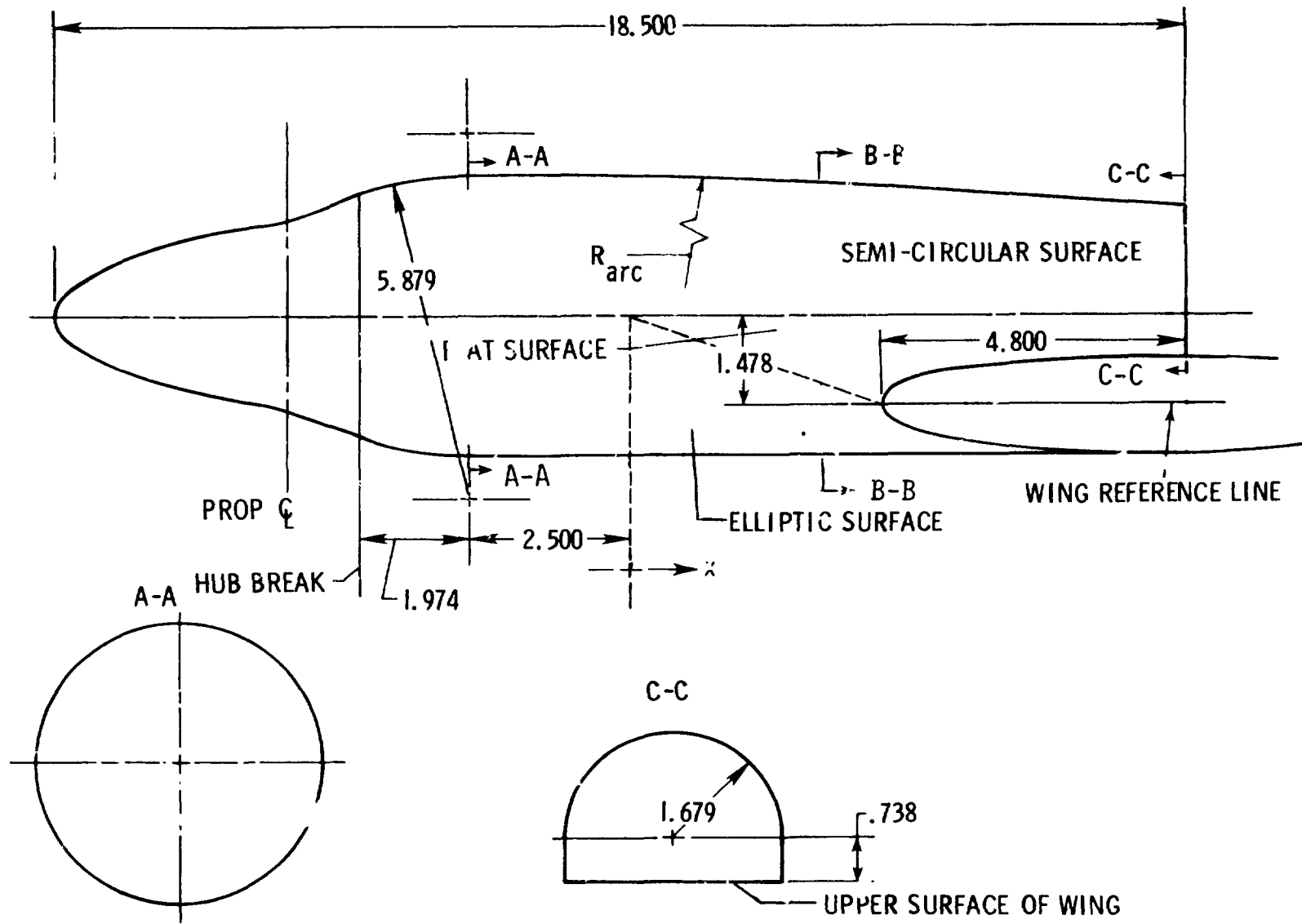
Figure 3. Details of Bifurcated Support System.
 (all dimensions in inches unless
 otherwise noted)

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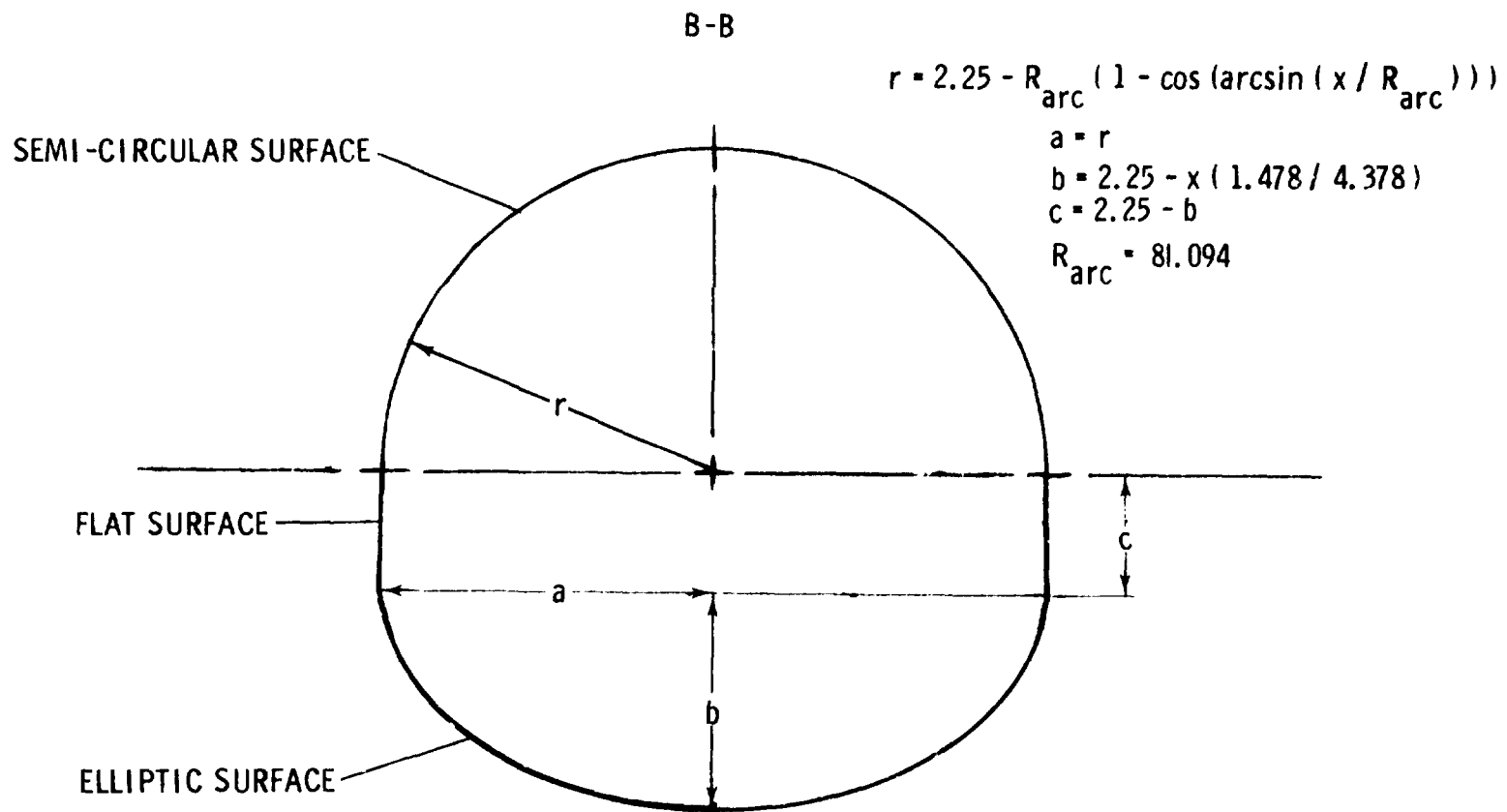
(a) Side view of the two nacelle configurations showing important dimensions and ratios. (all dimensions in inches)

Figure 4. - Geometry of the two model nacelles. All dimensions are in inches unless otherwise noted.



(b) Details of the overwing nacelle.

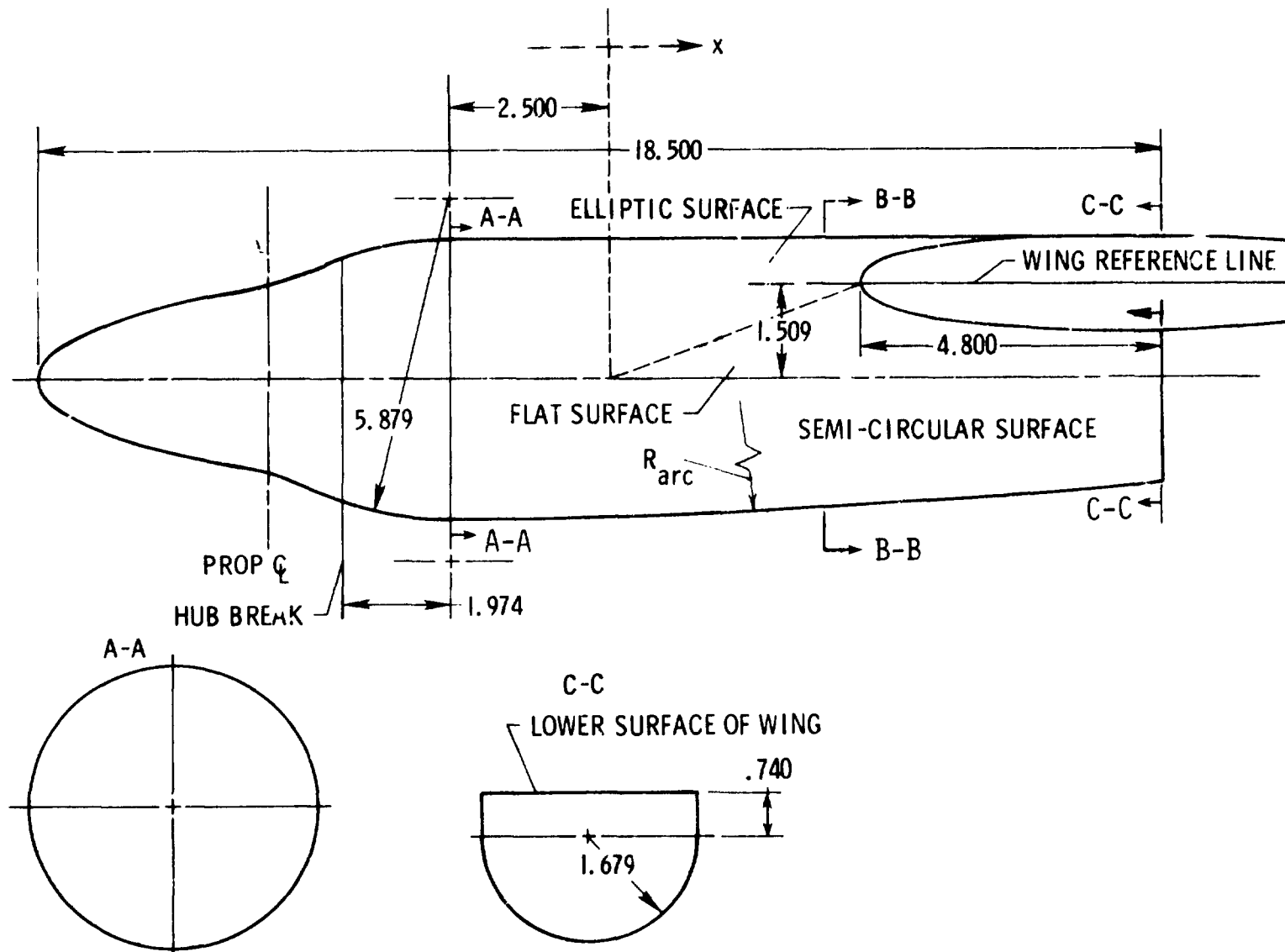
Figure 4. - Continued.



x is the distance from the symmetric break to the cross-section in question. The elliptic surface shape is constant from the wing leading edge back.

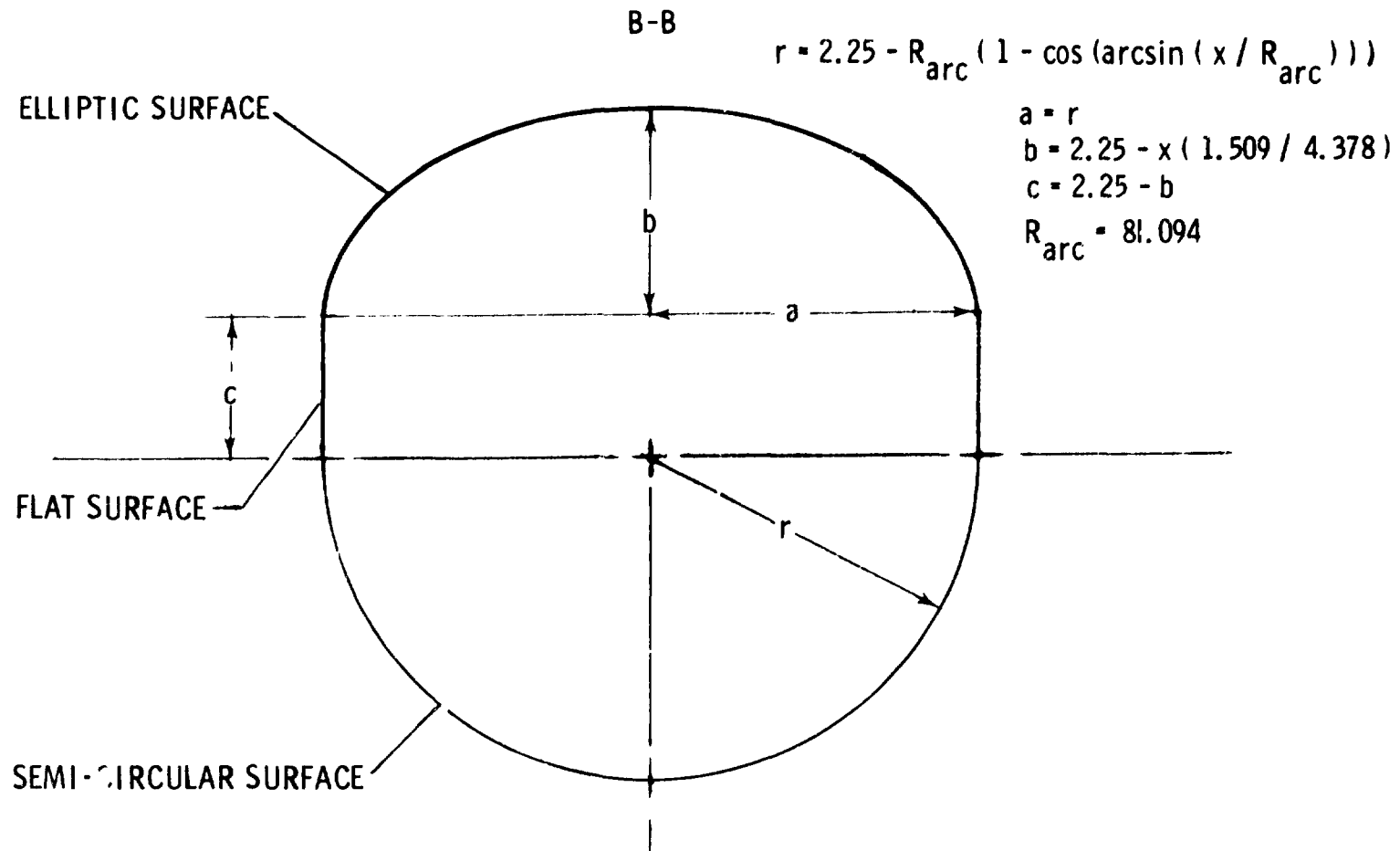
(c) Overwing nacelle cross-section near the wing leading edge.

Figure 4. - Continued.



(d) Details of the underwing nacelle.

Figure 4. - Continued.



x is the distance from the symmetric break to the cross-section in question. The elliptic surface shape is constant from the wing leading edge back.

(e) Underwing nacelle cross-section near the wing leading edge.

Figure 4. - Concluded.

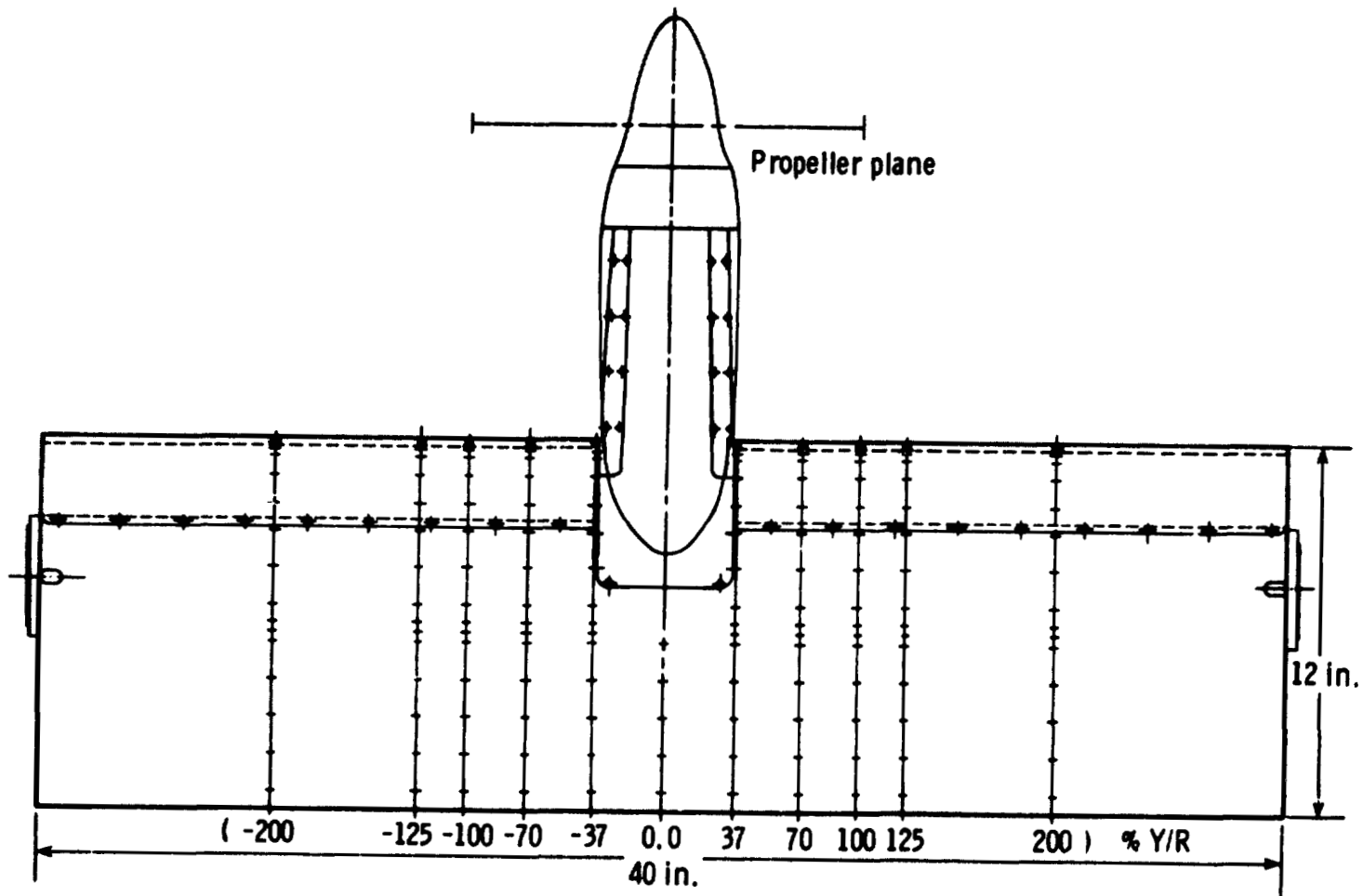


Figure 5. - Model planform.

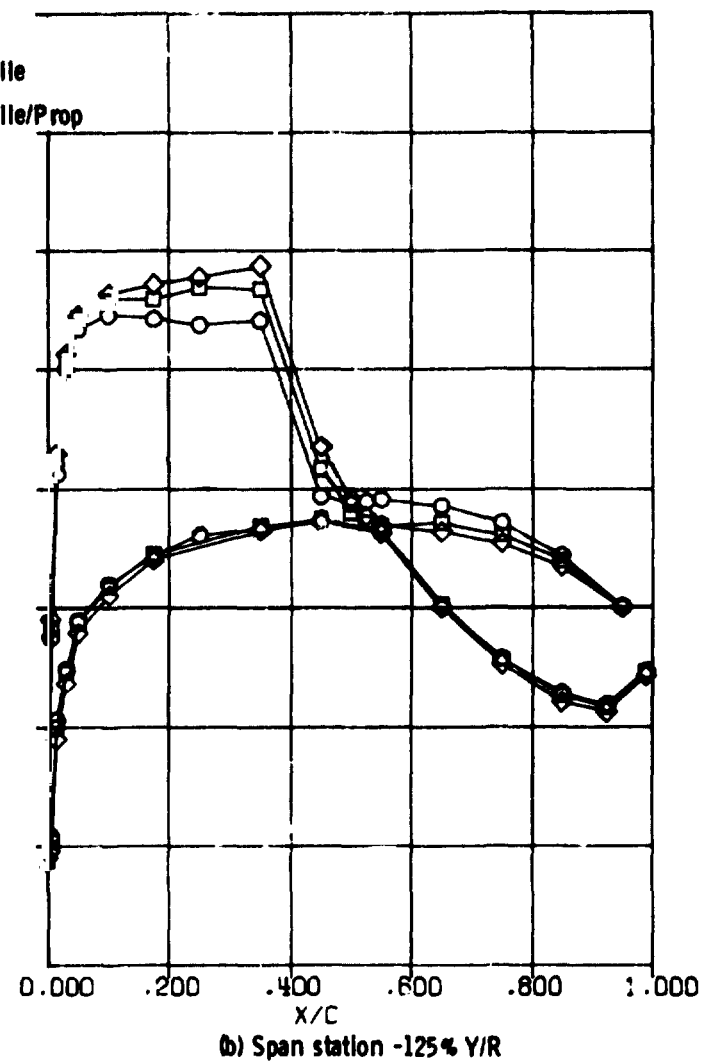
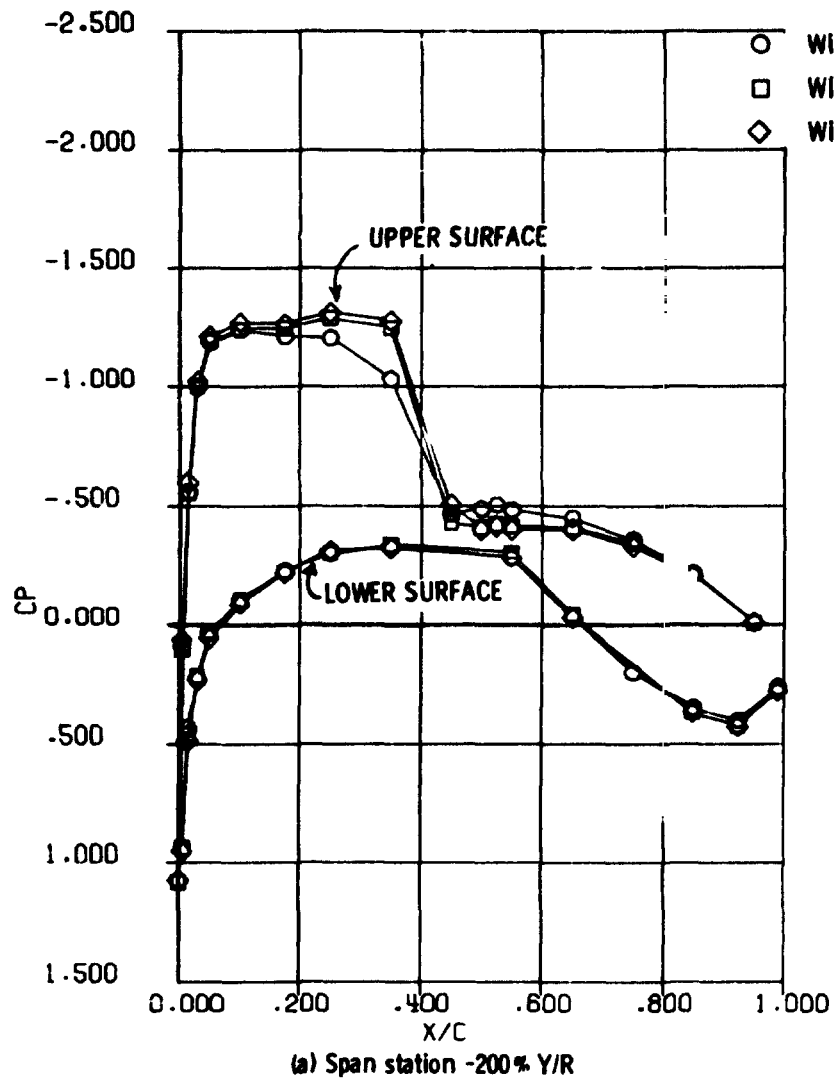
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Figure 6. - Overwing pressure distribution, $M = 0.75$ $\alpha = 3^\circ$ $CT = 0.392$ T^*S-799 $J = 3.24$

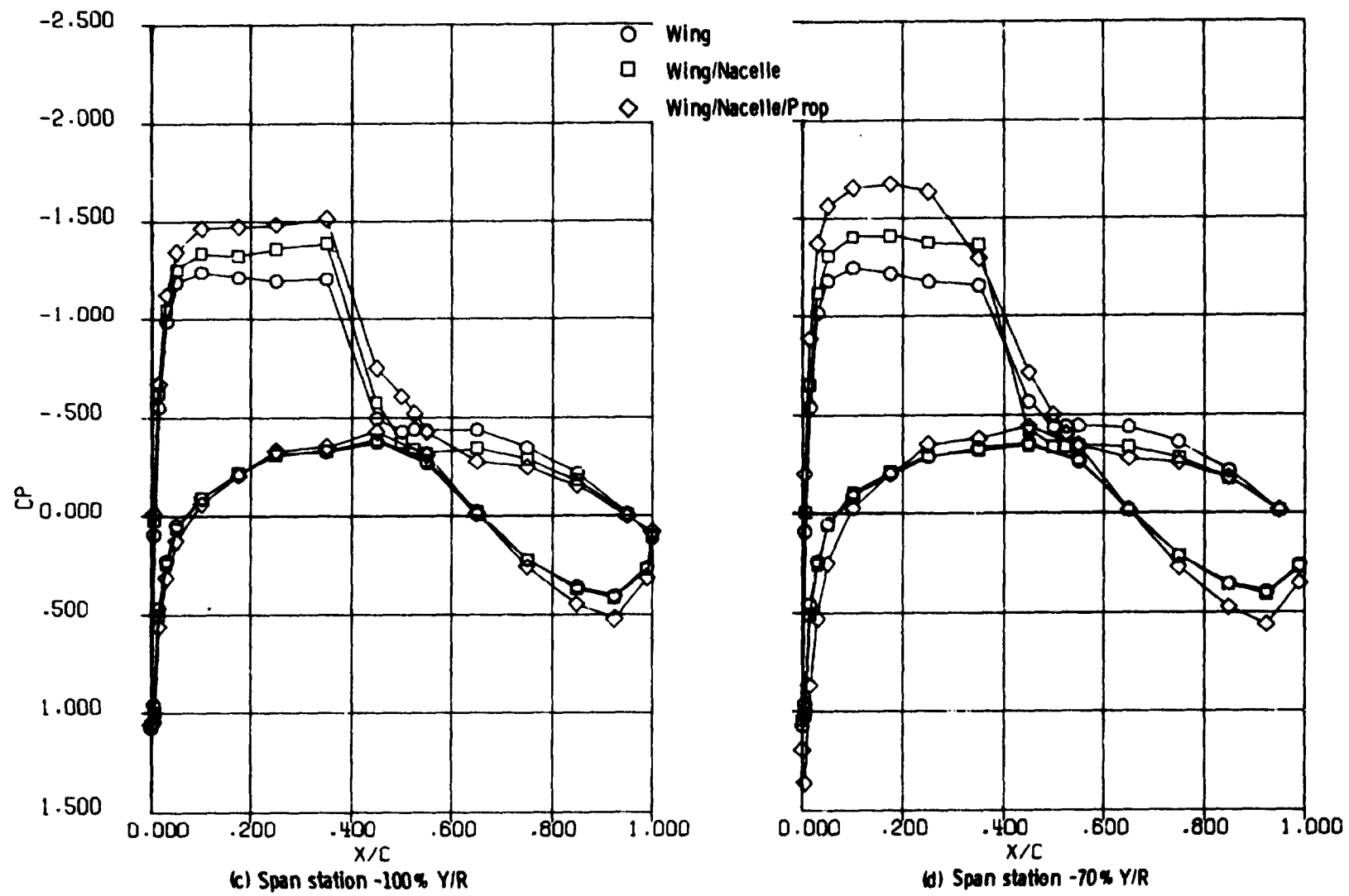
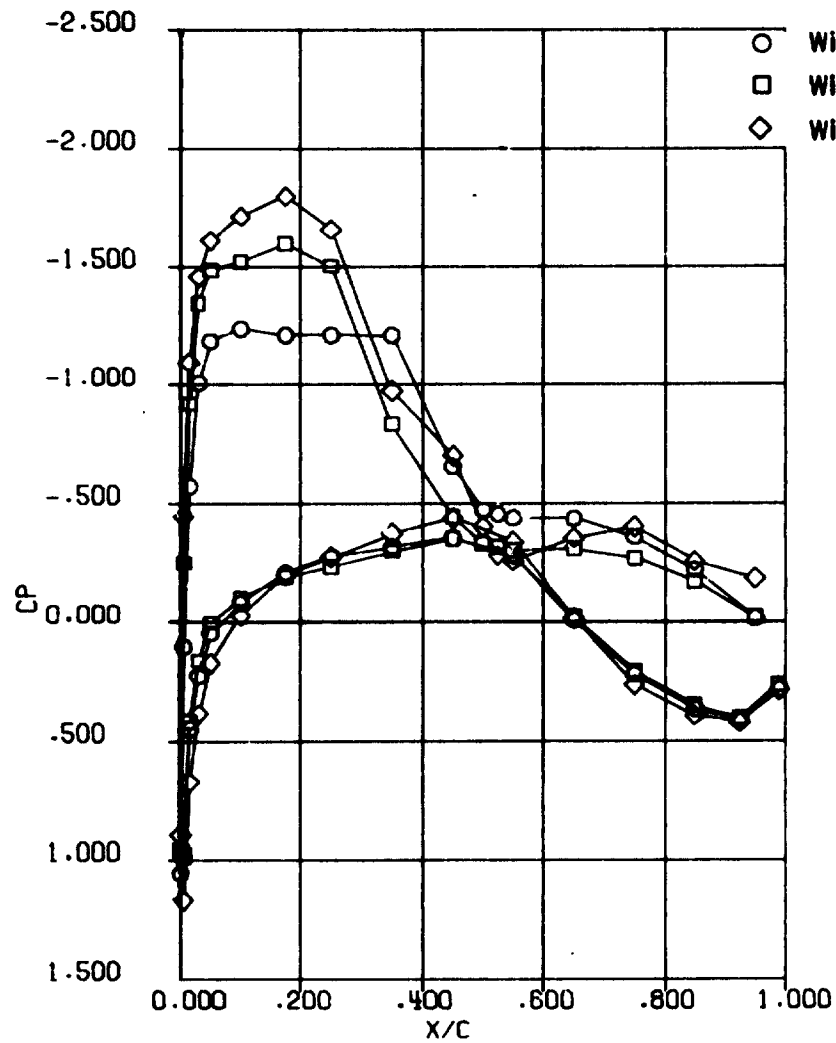
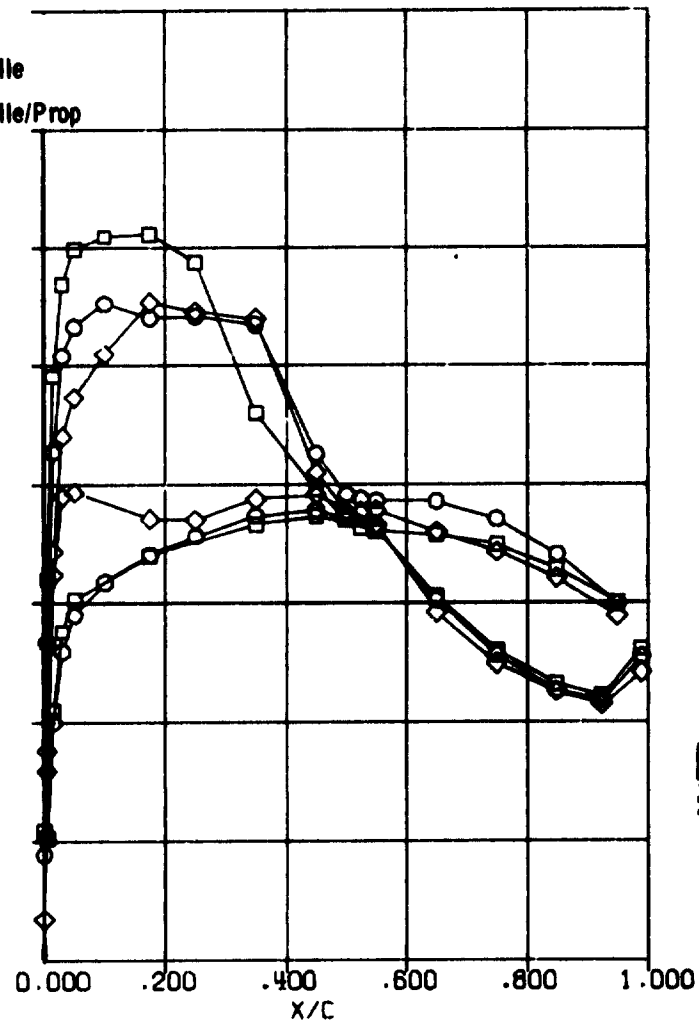


Figure 6. - Continued.



(e) Span station -37% Y/R



(f) Span station 37% Y/R

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Figure 6. - Continued.

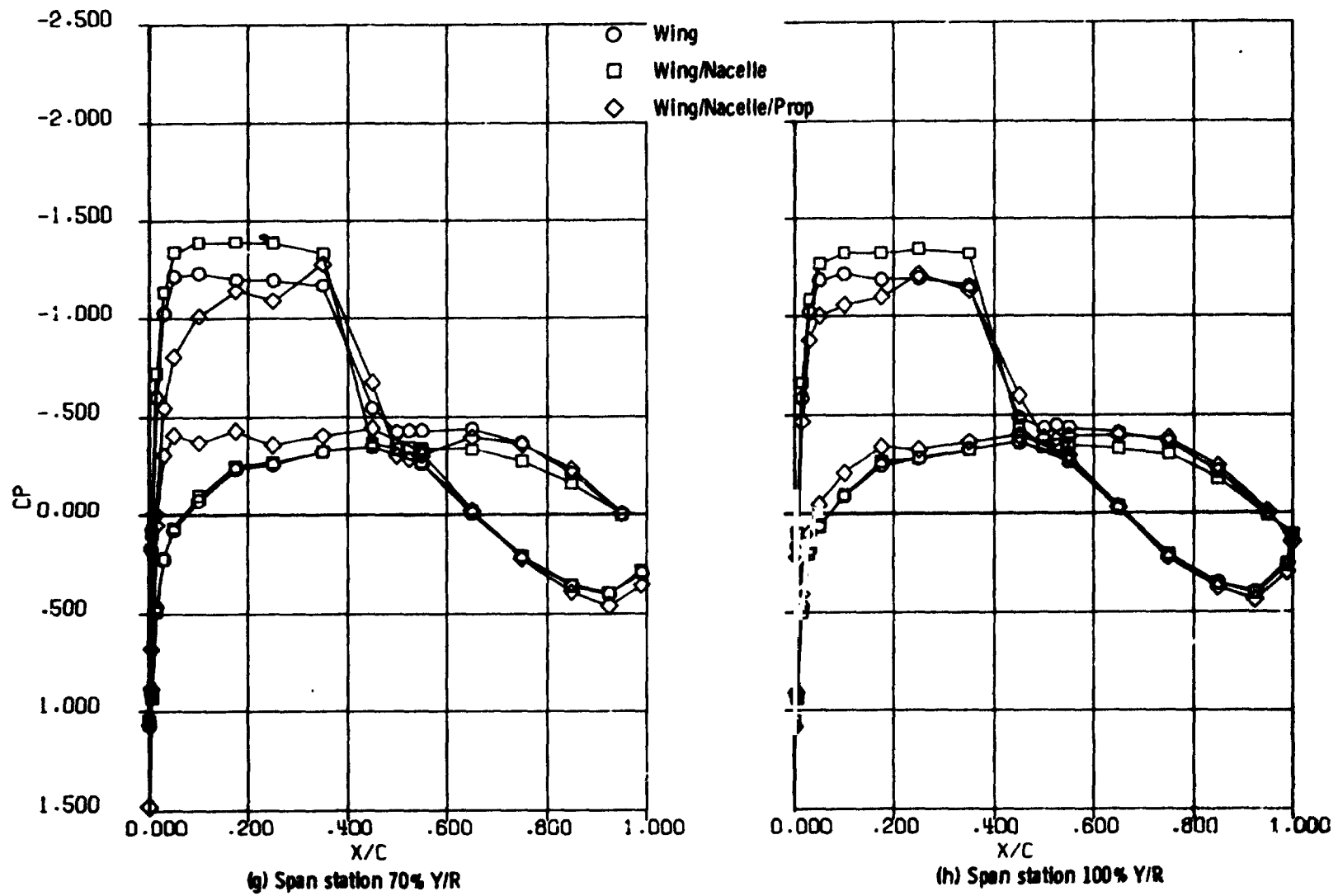


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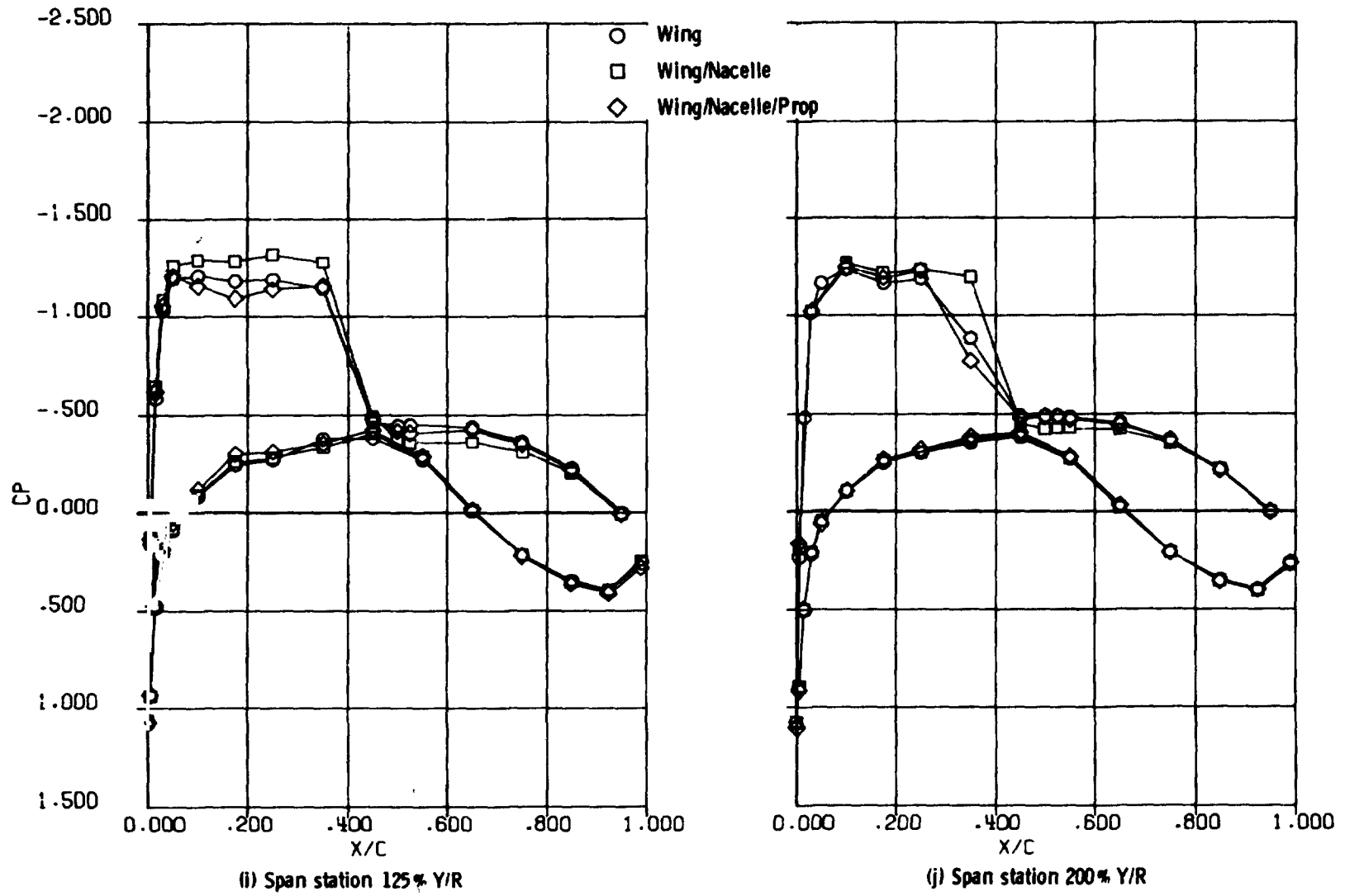


Figure 6. - Concluded.

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Underwing Nacelle	Propfan/Jet	Wing	138
Overwing Nacelle	Jet	Nacelle	157
Underwing Nacelle	Jet	Nacelle	168
Overwing Nacelle	Propfan/Jet	Nacelle	175
Underwing Nacelle	Propfan/Jet	Nacelle	187

MACH ALPHA CT J CONF NPR RUN POINT
 .498 -.014 1. 101. 23.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.046	1.034	1.047	1.040	1.040	1.044	1.042	1.050	1.039	1.050
.005	.249	.248	.206	.228	.211	.256	.296	.270	.264	.356
.015	-.369	-.402	-.406	-.385	-.423	-.472	-.430	-.414	-.399	-.708
.030	-.681	-.679	-.690	-.690	-.688	-.714	-.684	-.679	-.665	-.653
.050	-.682	-.670	-.684	-.683	-.677	-.655	-.673	-.654	-.642	-.826
.100	-.549	-.562	-.569	-.554	-.555	-.598	-.533	-.542	-.537	-.537
.175	-.485	-.502	-.505	-.487	-.498	-.509	-.510	-.499	-.521	-.493
.250	-.457	-.454	-.457	-.462	-.475	-.474	-.445	-.488	-.443	-.425
.350	-.426	-.479	-.463	-.433	-.461	-.441	-.433	-.435	-.432	-.431
.450	-.394	-.428	-.408	-.415	-.418	-.424	-.417	-.422	-.412	-.403
.500	-.396	-.415	-.406	-.424	-.411	-.416	-.406	-.405	-.405	-.394
.525	-.408	-.408	-.406	-.420	-.432	-.409	-.408	-.404	-.399	-.391
.550	-.389	-.408	-.393	-.418	-.395	-.390	-.397	-.392		-.385
.650	-.360	-.362	-.383	-.391	-.382	-.370	-.389	-.345	-.370	-.358
.750	-.315	-.323	-.313	-.317	-.331	-.326	-.325	-.325	-.322	-.319
.850	-.222	-.235	-.231	-.229	-.234	-.222	-.229	-.225	-.241	-.221
.950	-.061	-.056	-.060	-.063	-.069	-.044	-.057	-.046	-.048	-.050

LOWER SURFACE

0.000	1.046	1.034	1.047	1.040	1.040	1.044	1.042	1.050	1.039	1.050
.005	.619	.649	.666	.659	.658	.679	.557	.580	.593	.536
.015	.008	.052	.049	.023	-.005	.046	.040	.049	.027	.070
.030	-.177	-.124	-.155	-.151	-.163	-.195	-.167	-.191	-.209	-.196
.050	-.300	-.277	-.272	-.263	-.266	-.284	-.241	-.236	-.244	-.281
.100	-.304	-.297	-.299	-.308	-.296	-.276	-.298	-.300	-.301	-.318
.175	-.338	-.335	-.325	-.328	-.334	-.327	-.351	-.351	-.359	-.353
.250	-.353	-.355	-.370	-.348	-.328	-.365	-.323	-.333	-.338	-.341
.350	-.337	-.334	-.330	-.343	-.324	-.359	-.329	-.329	-.379	-.359
.450		-.329	-.342	-.329	-.327	-.360	-.328	-.327	-.359	-.350
.550	-.281	-.314	-.260	-.260	-.267	-.301	-.253	-.252	-.263	-.261
.650	-.073	-.052	-.056	-.100	-.053	-.065	-.057	-.070	-.059	-.064
.750	.147	.149	.151	.153	.152	.151	.147	.150	.143	.149
.850	.297	.301	.297	.300	.302	.294	.292	.292	.296	.299
.925	.339	.342	.343	.344	.345	.330	.333	.333	.335	.337
.990	.215	.213	.219	.217	.227	.186	.241	.202	.208	.208

MACH ALPHA CT J CONF NPR RUN POINT
 .500 1.007 1. 101. 24.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.017	1.010	1.014	1.008	.993	.994	1.011	1.022	1.016	1.021
.005	-.039	-.024	-.045	-.030	-.044	.027	.057	.047	.027	.128
.015	-.661	-.682	-.678	-.668	-.694	-.739	-.711	-.682	-.666	-.568
.030	-.909	-.926	-.930	-.945	-.936	-.943	-.933	-.904	-.922	-.875
.050	-.856	-.862	-.861	-.907	-.871	-.840	-.894	-.828	-.837	-.798
.100	-.658	-.686	-.674	-.666	-.689	-.738	-.642	-.641	-.646	-.646
.175	-.546	-.574	-.564	-.563	-.582	-.592	-.598	-.570	-.592	-.554
.250	-.511	-.506	-.516	-.526	-.539	-.530	-.498	-.547	-.494	-.481
.350	-.490	-.519	-.511	-.487	-.510	-.487	-.486	-.489	-.477	-.494
.450	-.411	-.465	-.453	-.449	-.464	-.464	-.449	-.470	-.455	-.420
.500	-.420	-.446	-.438	-.460	-.437	-.440	-.442	-.439	-.436	-.420
.525	-.429	-.438	-.439	-.447	-.467	-.441	-.433	-.440	-.430	-.414
.550	-.412	-.430	-.418	-.441	-.427	-.420	-.420	-.413		-.411
.650	-.370	-.385	-.398	-.394	-.400	-.385	-.391	-.360	-.394	-.372
.750	-.325	-.324	-.325	-.332	-.343	-.335	-.337	-.338	-.326	-.333
.850	-.221	-.237	-.234	-.232	-.242	-.227	-.230	-.229	-.246	-.223
.950	-.053	-.055	-.068	-.063	-.071	-.046	-.050	-.053	-.049	-.046

LOWER SURFACE

0.000	1.017	1.010	1.014	1.008	.993	.994	1.011	1.022	1.016	1.021
.005	.777	.800	.788	.793	.798	.818	.717	.739	.755	.696
.015	.201	.255	.236	.224	.213	.260	.223	.226	.238	.249
.030	.016	.051	.024	.033	.015	-.007	-.015	-.046	-.026	-.018
.050	-.142	-.114	-.120	-.116	-.116	-.128	-.110	-.109	-.079	-.142
.100	-.225	-.187	-.195	-.195	-.187	-.220	-.196	-.191	-.192	-.214
.175	-.267	-.257	-.255	-.246	-.241	-.233	-.278	-.279	-.279	-.286
.250	-.292	-.290	-.310	-.297	-.267	-.301	-.263	-.272	-.275	-.289
.350	-.291	-.296	-.291	-.296	-.276	-.308	-.295	-.289	-.329	-.326
.450		-.300	-.315	-.291	-.287	-.323	-.295	-.295	-.325	-.316
.550	-.272	-.294	-.239	-.230	-.247	-.271	-.235	-.234	-.234	-.237
.650	-.045	-.038	-.037	-.107	-.041	-.050	-.041	-.048	-.039	-.052
.750	.157	.164	.165	.146	.159	.167	.159	.158	.169	.158
.850	.308	.302	.300	.326	.311	.307	.301	.300	.301	.295
.925	.346	.349	.347	.354	.358	.355	.342	.341	.345	.344
.990	.218	.210	.207	.220	.221	.183	.234	.204	.212	.214

MACH ALPHA CT J CONF NPR RUN POINT
 .500 2.505 1. 101. 26.

WING CP DATA
 UPPER SURFACE

X/c	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.895	.879	.873	.882	.847	.840	.878	.882	.891	.910
.005	-.398	-.404	-.488	-.456	-.475	-.394	-.352	-.378	-.351	-.227
.015	-1.081	-1.110	-1.143	-1.113	-1.172	-1.248	-1.182	-1.150	-1.110	-.937
.030	-1.279	-1.313	-1.343	-1.334	-1.336	-1.345	-1.323	-1.305	-1.299	-1.246
.050	-1.128	-1.164	-1.168	-1.178	-1.175	-1.149	-1.151	-1.133	-1.127	-1.071
.100	-.808	-.846	-.855	-.842	-.859	-.906	-.826	-.808	-.800	-.806
.175	-.659	-.698	-.687	-.700	-.706	-.719	-.733	-.690	-.717	-.680
.250	-.595	-.605	-.611	-.623	-.633	-.625	-.594	-.637	-.591	-.565
.350	-.531	-.591	-.576	-.555	-.585	-.563	-.553	-.551	-.552	-.536
.450	-.478	-.514	-.508	-.503	-.516	-.516	-.504	-.520	-.505	-.487
.500	-.466	-.490	-.481	-.499	-.489	-.491	-.481	-.480	-.480	-.467
.525	-.466	-.474	-.479	-.488	-.500	-.476	-.474	-.476	-.464	-.453
.550	-.444	-.471	-.453	-.475	-.465	-.456	-.455	-.446		-.441
.650	-.395	-.411	-.420	-.425	-.427	-.412	-.420	-.384	-.417	-.396
.750	-.335	-.347	-.335	-.347	-.356	-.350	-.350	-.348	-.348	-.340
.850	-.229	-.240	-.234	-.239	-.246	-.231	-.237	-.229	-.242	-.229
.950	-.052	-.055	-.059	-.061	-.073	-.052	-.052	-.046	-.046	-.044

LOWER SURFACE

0.000	.895	.879	.873	.882	.847	.840	.878	.882	.891	.910
.005	.907	.935	.938	.942	.943	.963	.903	.917	.914	.876
.015	.441	.481	.475	.482	.477	.514	.474	.486	.484	.486
.030	.206	.252	.232	.248	.244	.218	.221	.209	.201	.190
.050	.049	.062	.068	.069	.074	.066	.082	.070	.089	.038
.100	-.077	-.059	-.055	-.059	-.045	-.053	-.058	-.057	-.052	-.079
.175	-.162	-.157	-.141	-.138	-.144	-.140	-.173	-.171	-.173	-.194
.250	-.208	-.209	-.219	-.201	-.185	-.190	-.178	-.192	-.192	-.205
.350	-.234	-.225	-.222	-.228	-.216	-.252	-.234	-.220	-.267	-.257
.450		-.243	-.265	-.238	-.241	-.274	-.242	-.246	-.274	-.275
.550	-.225	-.251	-.204	-.198	-.205	-.238	-.195	-.200	-.207	-.208
.650	-.046	-.022	-.013	-.124	-.012	-.024	-.017	-.034	-.019	-.031
.750	.165	.170	.177	.178	.180	.178	.172	.173	.174	.175
.850	.318	.314	.313	.316	.315	.321	.317	.308	.311	.309
.925	.356	.357	.361	.359	.361	.360	.356	.350	.351	.353
.990	.217	.217	.207	.218	.223	.180	.242	.204	.207	.215

MACH ALPHA CT I CONF NPR RUN POINT
 .501 2.993 1. 101. 27.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.841	.814	.804	.821	.774	.764	.801	.825	.823	.854
.005	-.591	-.578	-.659	-.639	-.629	-.539	-.538	-.536	-.528	-.362
.015	-1.233	-1.305	-1.336	-1.303	-1.320	-1.408	-1.380	-1.342	-1.332	-1.071
.030	-1.429	-1.479	-1.489	-1.499	-1.464	-1.482	-1.474	-1.454	-1.460	-1.412
.050	-1.231	-1.265	-1.276	-1.283	-1.279	-1.252	-1.254	-1.245	-1.232	-1.154
.100	-.858	-.867	-.899	-.883	-.910	-.948	-.883	-.876	-.837	-.885
.175	-.708	-.729	-.732	-.735	-.746	-.756	-.771	-.740	-.750	-.729
.250	-.627	-.628	-.637	-.657	-.669	-.663	-.627	-.662	-.618	-.594
.350	-.554	-.610	-.605	-.573	-.602	-.584	-.572	-.582	-.572	-.557
.450	-.489	-.531	-.514	-.528	-.533	-.532	-.528	-.525	-.517	-.498
.500	-.478	-.503	-.494	-.510	-.505	-.508	-.493	-.492	-.491	-.472
.525	-.482	-.495	-.487	-.498	-.516	-.493	-.486	-.484	-.484	-.467
.550	-.452	-.478	-.463	-.489	-.479	-.472	-.470	-.465		-.449
.650	-.411	-.418	-.426	-.432	-.444	-.431	-.428	-.391	-.425	-.411
.750	-.339	-.353	-.344	-.358	-.361	-.356	-.361	-.358	-.353	-.342
.850	-.230	-.246	-.240	-.238	-.249	-.234	-.236	-.236	-.247	-.229
.950	-.057	-.056	-.058	-.061	-.068	-.048	-.054	-.047	-.047	-.047

LOWER SURFACE

0.000	.841	.814	.804	.821	.774	.764	.801	.825	.823	.854
.005	.949	.970	.973	.970	.978	1.002	.955	.959	.969	.924
.015	.504	.543	.544	.548	.549	.588	.560	.560	.555	.571
.030	.283	.307	.291	.315	.310	.299	.304	.262	.264	.284
.050	.096	.121	.123	.130	.128	.129	.151	.136	.153	.118
.100	-.028	-.015	-.007	-.010	-.012	-.006	-.001	-.011	-.011	-.034
.175	-.123	-.115	-.119	-.106	-.111	-.101	-.123	-.144	-.141	-.146
.250	-.184	-.179	-.192	-.170	-.163	-.163	-.151	-.164	-.165	-.175
.350	-.207	-.203	-.201	-.203	-.191	-.233	-.199	-.204	-.249	-.235
.450		-.225	-.244	-.225	-.224	-.254	-.223	-.220	-.252	-.252
.550	-.214	-.240	-.187	-.182	-.189	-.232	-.179	-.183	-.192	-.195
.650	-.030	-.011	-.009	-.109	-.002	-.015	-.008	-.026	-.014	-.026
.750	.171	.176	.185	.183	.184	.183	.177	.176	.181	.175
.850	.320	.318	.325	.325	.323	.321	.317	.312	.309	.314
.925	.362	.360	.357	.362	.364	.363	.355	.348	.357	.361
.990	.212	.211	.217	.216	.223	.171	.241	.204	.206	.211

MACH ALPHA CT J CONF NPR RUN POINT
 .699 -.016 1. 101. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.117	1.115	1.113	1.109	1.105	1.111	1.115	1.117	1.116	1.117
.005	.419	.438	.390	.419	.414	.456	.479	.448	.469	.507
.015	-.225	-.231	-.241	-.227	-.252	-.292	-.251	-.259	-.239	-.381
.030	-.647	-.663	-.675	-.676	-.658	-.677	-.670	-.663	-.674	-.65
.050	-.749	-.749	-.768	-.776	-.750	-.711	-.765	-.734	-.728	-.961
.100	-.633	-.653	-.665	-.666	-.660	-.666	-.626	-.621	-.614	-.624
.175	-.581	-.597	-.592	-.588	-.603	-.620	-.628	-.627	-.624	-.598
.250	-.559	-.565	-.567	-.571	-.579	-.576	-.545	-.567	-.543	-.501
.350	-.502	-.582	-.565	-.529	-.568	-.542	-.526	-.535	-.523	-.514
.450	-.482	-.523	-.507	-.516	-.520	-.521	-.518	-.526	-.512	-.492
.500	-.475	-.505	-.501	-.525	-.502	-.507	-.501	-.501	-.494	-.475
.525	-.484	-.501	-.497	-.513	-.528	-.501	-.492	-.496	-.488	-.463
.550	-.463	-.498	-.476	-.511	-.492	-.483	-.485	-.472		-.459
.650	-.427	-.433	-.452	-.458	-.463	-.449	-.454	-.411	-.436	-.428
.750	-.361	-.368	-.364	-.376	-.383	-.375	-.380	-.377	-.369	-.366
.850	-.234	-.248	-.243	-.241	-.249	-.233	-.237	-.236	-.251	-.233
.950	-.037	-.034	-.037	-.037	-.047	-.023	-.028	-.021	-.026	-.028

LOWER SURFACE

0.000	1.117	1.115	1.113	1.109	1.105	1.111	1.115	1.113	1.116	1.117
.005	.665	.696	.696	.696	.697	.724	.584	.628	.617	.601
.015	-.005	.050	.031	.018	-.004	.047	.032	.048	.056	.086
.030	-.199	-.153	-.190	-.169	-.197	-.244	-.201	-.240	-.206	-.215
.050	-.356	-.331	-.336	-.336	-.342	-.344	-.305	-.335	-.305	-.334
.100	-.407	-.394	-.393	-.395	-.387	-.346	-.384	-.394	-.383	-.393
.175	-.436	-.439	-.437	-.427	-.432	-.439	-.469	-.475	-.464	-.468
.250	-.475	-.467	-.490	-.472	-.448	-.477	-.430	-.450	-.438	-.466
.350	-.439	-.441	-.440	-.445	-.431	-.462	-.442	-.445	-.493	-.458
.450		-.430	-.451	-.431	-.427	-.461	-.433	-.438	-.463	-.444
.550	-.314	-.371	-.322	-.322	-.333	-.363	-.316	-.317	-.324	-.315
.650	-.073	-.060	-.054	-.092	-.055	-.066	-.055	-.066	-.060	-.065
.750	.170	.172	.180	.183	.180	.177	.174	.175	.174	.174
.850	.325	.319	.323	.318	.319	.318	.315	.312	.311	.317
.925	.366	.372	.368	.371	.372	.370	.364	.357	.364	.366
.990	.246	.243	.247	.254	.254	.213	.274	.235	.242	.243

MACH ALPHA CT J CONF NPR RUN POINT
 .699 .982 1. 101. 14.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.103	1.097	1.107	1.097	1.095	1.098	1.099	1.109	1.100	1.105
.005	.229	.266	.237	.243	.240	.285	.321	.301	.299	.369
.015	-.439	-.426	-.435	-.416	-.458	-.516	-.461	-.456	-.446	-.349
.030	-.924	-.901	-.909	-.941	-.913	-.943	-.921	-.905	-.935	-.908
.050	-1.007	-.993	-1.022	-1.005	-1.027	-.998	-1.012	-.990	-.984	-.933
.100	-.790	-.816	-.837	-.825	-.825	-.858	-.776	-.785	-.771	-.762
.175	-.650	-.687	-.715	-.678	-.702	-.728	-.738	-.744	-.733	-.695
.250	-.607	-.600	-.630	-.644	-.641	-.634	-.595	-.670	-.592	-.559
.350	-.558	-.626	-.641	-.595	-.620	-.591	-.588	-.612	-.578	-.559
.450	-.513	-.552	-.572	-.553	-.556	-.556	-.554	-.592	-.543	-.523
.500	-.499	-.529	-.558	-.551	-.529	-.532	-.529	-.559	-.518	-.500
.525	-.508	-.521	-.548	-.538	-.539	-.511	-.520	-.547	-.509	-.492
.550	-.484	-.511	-.498	-.528	-.509	-.498	-.503	-.493		-.479
.650	-.438	-.443	-.462	-.472	-.463	-.449	-.469	-.421	-.445	-.439
.750	-.363	-.366	-.365	-.376	-.378	-.371	-.380	-.380	-.368	-.370
.850	-.231	-.230	-.242	-.236	-.246	-.231	-.233	-.236	-.234	-.230
.950	-.031	-.026	-.037	-.030	-.041	-.019	-.020	-.022	-.017	-.022

LOWER SURFACE

0.000	1.103	1.097	1.107	1.097	1.095	1.098	1.099	1.109	1.100	1.105
.005	.794	.808	.810	.804	.817	.824	.721	.768	.767	.712
.015	.190	.225	.218	.194	.188	.233	.208	.235	.224	.231
.030	-.012	.017	-.018	-.004	-.021	-.058	-.046	-.060	-.059	-.070
.050	-.199	-.185	-.168	-.175	-.178	-.191	-.175	-.164	-.152	-.217
.100	-.288	-.269	-.260	-.266	-.259	-.272	-.288	-.257	-.263	-.302
.175	-.356	-.349	-.331	-.335	-.341	-.343	-.402	-.367	-.372	-.413
.250	-.402	-.391	-.408	-.394	-.366	-.410	-.378	-.368	-.364	-.426
.350	-.385	-.331	-.386	-.395	-.372	-.415	-.416	-.386	-.437	-.436
.450		-.389	-.407	-.385	-.381	-.420	-.420	-.389	-.422	-.402
.550	-.300	-.349	-.306	-.288	-.297	-.341	-.314	-.289	-.298	-.293
.650	-.063	-.047	-.057	-.092	-.039	-.052	-.046	-.049	-.044	-.052
.750	.179	.185	.166	.191	.192	.187	.183	.197	.181	.178
.850	.327	.334	.312	.331	.327	.332	.327	.327	.326	.321
.925	.375	.382	.362	.381	.387	.375	.369	.377	.377	.370
.990	.244	.245	.223	.249	.261	.213	.268	.241	.246	.247

MACH ALPHA CT J CPT NPR RUN POINT
 .701 2.498 ' 101. 17.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.053	1.033	1.046	1.046	1.028	1.024	1.040	1.048	1.040	1.053
.005	.013	.018	-.010	.005	-.006	.053	.083	.065	.059	.149
.015	-.690	-.701	-.699	-.673	-.712	-.790	-.741	-.728	-.714	-.620
.030	-1.169	-1.169	-1.160	-1.182	-1.176	-1.216	-1.195	-1.195	-1.214	-1.188
.050	-1.338	-1.334	-1.358	-1.345	-1.345	-1.329	-1.377	-1.350	-1.366	-1.328
.100	-1.278	-1.337	-1.348	-1.359	-1.349	-1.390	-1.309	-1.307	-1.298	-1.326
.175	-.601	-.955	-.999	-1.028	-.901	-.918	-.943	-.826	-.865	-.749
.250	-.661	-.639	-.642	-.680	-.673	-.665	-.639	-.695	-.637	-.616
.350	-.621	-.691	-.677	-.652	-.698	-.673	-.652	-.653	-.648	-.627
.450	-.558	-.594	-.587	-.595	-.610	-.610	-.600	-.606	-.588	-.572
.500	-.540	-.564	-.560	-.596	-.574	-.577	-.574	-.560	-.556	-.544
.525	-.545	-.553	-.550	-.567	-.590	-.561	-.549	-.549	-.543	-.531
.550	-.508	-.554	-.523	-.557	-.551	-.540	-.533	-.519		-.506
.650	-.450	-.465	-.472	-.479	-.489	-.474	-.477	-.434	-.467	-.453
.750	-.373	-.373	-.364	-.382	-.384	-.376	-.384	-.378	-.376	-.381
.850	-.221	-.235	-.224	-.234	-.236	-.220	-.230	-.221	-.238	-.221
.950	-.027	-.028	-.028	-.026	-.034	-.015	-.016	-.015	-.020	-.018

LOWER SURFACE

0.000	1.053	1.033	1.046	1.046	1.028	1.024	1.040	1.048	1.040	1.053
.005	.914	.927	.928	.944	.951	.961	.893	.917	.909	.878
.015	.397	.448	.433	.436	.426	.470	.435	.447	.462	.455
.030	.179	.222	.195	.215	.185	.165	.182	.147	.155	.164
.050	.008	.032	.018	.019	.024	.021	.034	.025	.031	.009
.100	-.128	-.112	-.116	-.114	-.103	-.089	-.108	-.113	-.118	-.124
.175	-.237	-.231	-.224	-.206	-.209	-.224	-.243	-.247	-.254	-.255
.250	-.296	-.292	-.313	-.288	-.268	-.295	-.258	-.274	-.269	-.297
.350	-.320	-.311	-.311	-.318	-.306	-.350	-.312	-.310	-.364	-.335
.450		-.345	-.356	-.330	-.329	-.365	-.330	-.350	-.377	-.359
.550	-.280	-.322	-.267	-.260	-.267	-.307	-.253	-.263	-.264	-.264
.650	-.051	-.027	-.028	-.064	-.027	-.042	-.022	-.039	-.028	-.036
.750	.186	.193	.200	.197	.198	.203	.194	.193	.199	.195
.850	.338	.346	.346	.336	.345	.345	.342	.331	.333	.334
.925	.390	.392	.388	.384	.393	.393	.386	.378	.381	.381
.990	.243	.241	.240	.241	.259	.202	.270	.235	.238	.243

MACH ALPHA CT J CONF NPR RUN POINT
 .700 3.002 1. 101. 16.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.997	1.003	1.014	1.016	.999	.994	1.010	1.020	1.010	1.000
.005	-.069	-.047	-.095	-.079	-.084	-.014	.006	-.020	-.002	.076
.015	-.758	-.777	-.782	-.748	-.801	-.882	-.824	-.818	-.806	-.542
.030	-1.218	-1.240	-1.232	-1.253	-1.255	-1.295	-1.267	-1.270	-1.277	-1.240
.050	-1.410	-1.410	-1.435	-1.418	-1.427	-1.409	-1.450	-1.434	-1.441	-1.230
.100	-1.399	-1.436	-1.445	-1.445	-1.444	-1.483	-1.421	-1.417	-1.412	-1.414
.175	-.895	-1.283	-1.284	-1.288	-1.300	-1.284	-1.229	-1.256	-1.238	-.782
.250	-.635	-.557	-.560	-.622	-.624	-.623	-.573	-.619	-.552	-.604
.350	-.617	-.682	-.669	-.655	-.679	-.655	-.654	-.648	-.642	-.626
.450	-.554	-.603	-.590	-.609	-.602	-.602	-.613	-.611	-.597	-.568
.500	-.544	-.566	-.568	-.596	-.584	-.588	-.577	-.569	-.558	-.548
.525	-.550	-.551	-.560	-.582	-.597	-.568	-.565	-.560	-.543	-.537
.550	-.526	-.551	-.546	-.565	-.549	-.539	-.541	-.514		-.526
.650	-.462	-.455	-.491	-.497	-.490	-.476	-.493	-.454	-.458	-.466
.750	-.370		-.362	-.384	-.383	-.376	-.386	-.376	-.381	-.379
.850	-.229		-.219	-.234	-.239	-.225	-.230	-.215	-.236	-.230
.950	-.029		-.017	-.026	-.036	-.019	-.020	-.005	-.013	-.021

LOWER SURFACE

0.000	.997	1.003	1.014	1.016	.999	.994	1.010	1.020	1.010	1.000
.005	.942	.965	.963	.967	.966	1.001	.927	.950	.950	.909
.015	.438	.502	.512	.495	.482	.537	.501	.512	.515	.522
.030	.236	.267	.249	.270	.251	.234	.238	.219	.226	.230
.050	.060	.066	.075	.052	.074	.077	.095	.093	.103	.061
.100	-.078	-.073	-.063	-.067	-.066	-.094	-.059	-.062	-.065	-.078
.175	-.185	-.194	-.180	-.166	-.190	-.175	-.204	-.212	-.220	-.217
.250	-.257	-.262	-.274	-.245	-.241	-.266	-.225	-.236	-.249	-.273
.350	-.288	-.291	-.290	-.281	-.282	-.325	-.286	-.280	-.348	-.318
.450		-.320	-.338	-.300	-.307	-.357	-.314	-.321	-.355	-.331
.550	-.262	-.311	-.258	-.237	-.257	-.303	-.245	-.237	-.260	-.271
.650	-.040	-.022	-.020	-.066	-.017	-.031	-.012	-.036	-.024	-.029
.750	.188	.199	.201	.206	.202	.199	.177	.197	.191	.203
.850	.336	.346	.349	.347	.346	.347	.345	.342	.338	.347
.925	.379	.398	.393	.386	.398	.385	.392	.385	.387	.390
.990	.232	.248	.241	.238	.256	.204	.280	.238	.238	.247

MACH ALPHA CT J CONF NPR RUN POINT
 .749 -.003 1. 101. 8.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.135	1.135	1.135	1.130	1.125	1.130	1.135	1.136	1.137	1.137
.005	.485	.503	.471	.484	.490	.529	.537	.520	.520	.572
.015	-.154	-.136	-.138	-.129	-.145	-.188	-.171	-.158	-.156	-.207
.030	-.605	-.587	-.584	-.597	-.579	-.607	-.601	-.582	-.602	-.600
.050	-.755	-.721	-.752	-.737	-.731	-.699	-.757	-.725	-.728	-.846
.100	-.687	-.686	-.695	-.695	-.683	-.680	-.644	-.633	-.635	-.665
.175	-.631	-.643	-.646	-.646	-.664	-.697	-.712	-.703	-.697	-.680
.250	-.615	-.615	-.618	-.623	-.626	-.632	-.630	-.622	-.624	-.529
.350	-.542	-.620	-.601	-.574	-.610	-.587	-.579	-.573	-.563	-.557
.450	-.522	-.567	-.555	-.565	-.573	-.580	-.575	-.581	-.561	-.538
.500	-.521	-.552	-.547	-.569	-.547	-.553	-.544	-.546	-.541	-.520
.525	-.528	-.546	-.542	-.563	-.578	-.545	-.541	-.537	-.531	-.505
.550	-.496	-.537	-.521	-.553	-.539	-.527	-.523	-.520		-.489
.650	-.454	-.461	-.478	-.481	-.437	-.475	-.480	-.438	-.463	-.455
.750	-.368	-.375	-.372	-.385	-.391	-.383	-.387	-.386	-.375	-.371
.850	-.230	-.240	-.237	-.234	-.238	-.223	-.228	-.228	-.239	-.226
.950	-.017	-.020	-.021	-.016	-.023	-.000	-.006	-.006	-.007	-.006

LOWER SURFACE

0.000	1.135	1.135	1.135	1.130	1.125	1.130	1.135	1.136	1.137	1.137
.005	.679	.713	.704	.713	.721	.726	.587	.638	.657	.591
.015	.019	.045	.035	.037	.001	.059	.033	.040	.081	.076
.030	-.192	-.162	-.193	-.160	-.187	-.233	-.210	-.251	-.214	-.231
.050	-.364	-.361	-.357	-.345	-.364	-.358	-.332	-.332	-.312	-.358
.100	-.444	-.428	-.421	-.426	-.421	-.393	-.427	-.410	-.406	-.419
.175	-.495	-.497	-.482	-.475	-.487	-.497	-.541	-.532	-.529	-.531
.250	-.540	-.540	-.612	-.549	-.508	-.536	-.478	-.509	-.484	-.513
.350	-.491	-.505	-.501	-.509	-.495	-.527	-.504	-.502	-.552	-.504
.450		-.496	-.496	-.489	-.483	-.510	-.484	-.489	-.511	-.492
.550	-.333	-.393	-.341	-.337	-.354	-.381	-.332	-.335	-.343	-.333
.650	-.062	-.046	-.050	-.078	-.054	-.051	-.047	-.053	-.048	-.057
.750	.180	.187	.183	.189	.186	.184	.182	.182	.187	.180
.850	.327	.328	.319	.319	.332	.323	.317	.314	.316	.316
.925	.382	.379	.375	.370	.384	.376	.366	.365	.369	.372
.990	.260	.257	.255	.264	.272	.225	.278	.248	.255	.251

MACH ALPHA CT J CONF NPR RUN POINT
 .748 1.004 1. 101. 9.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.129	1.128	1.131	1.125	1.118	1.123	1.127	1.133	1.133	1.128
.005	.352	.365	.333	.342	.343	.389	.403	.389	.398	.452
.015	-.290	-.308	-.290	-.291	-.325	-.380	-.344	-.317	-.325	-.225
.030	-.788	-.786	-.766	-.793	-.764	-.798	-.791	-.780	-.819	-.795
.050	-.889	-.893	-.910	-.885	-.922	-.913	-.944	-.919	-.918	-.868
.100	-.962	-.974	-.970	-.994	-.977	-.978	-.930	-.898	-.922	-.940
.175	-.805	-.863	-.822	-.847	-.857	-.840	-.813	-.785	-.805	-.754
.250	-.574	-.636	-.565	-.618	-.665	-.767	-.801	-.812	-.789	-.616
.350	-.621	-.761	-.765	-.755	-.756	-.641	-.623	-.607	-.591	-.603
.450	-.556	-.594	-.577	-.590	-.609	-.620	-.609	-.610	-.596	-.570
.500	-.548	-.574	-.568	-.591	-.579	-.586	-.571	-.570	-.564	-.549
.525	-.548	-.563	-.565	-.582	-.600	-.567	-.564	-.562	-.552	-.529
.550	-.519	-.553	-.537	-.568	-.551	-.539	-.540	-.531		-.513
.650	-.459	-.472	-.485	-.489	-.492	-.479	-.490	-.448	-.478	-.463
.750	-.370	-.380	-.372	-.384	-.392	-.386	-.390	-.389	-.384	-.376
.850	-.226	-.234	-.230	-.228	-.236	-.221	-.227	-.227	-.239	-.225
.950	-.014	-.008	-.015	-.015	-.024	-.005	-.009	-.003	-.000	-.006

LOWER SURFACE

0.000	1.129	1.128	1.131	1.125	1.118	1.123	1.127	1.133	1.133	1.128
.005	.779	.810	.813	.813	.814	.838	.711	.767	.763	.708
.015	.176	.204	.199	.198	.182	.242	.197	.228	.231	.242
.030	-.038	.004	-.025	-.017	-.029	-.063	-.058	-.073	-.058	-.061
.050	-.228	-.191	-.198	-.194	-.208	-.201	-.179	-.181	-.164	-.187
.100	-.309	-.296	-.294	-.301	-.293	-.295	-.295	-.282	-.292	-.290
.175	-.391	-.385	-.374	-.376	-.380	-.391	-.414	-.418	-.423	-.419
.250	-.449	-.447	-.514	-.445	-.421	-.460	-.394	-.423	-.415	-.438
.350	-.437	-.438	-.442	-.444	-.430	-.468	-.437	-.438	-.491	-.457
.450		-.445	-.458	-.437	-.439	-.475	-.440	-.445	-.472	-.457
.550	-.323	-.376	-.329	-.317	-.328	-.360	-.316	-.318	-.325	-.316
.650	-.056	-.039	-.038	-.074	-.039	-.044	-.040	-.050	-.039	-.049
.750	.184	.198	.194	.193	.192	.193	.192	.193	.196	.190
.850	.333	.338	.335	.327	.342	.337	.337	.332	.328	.330
.925	.383	.388	.385	.374	.397	.389	.380	.381	.381	.381
.990	.259	.257	.255	.259	.271	.225	.286	.248	.254	.256

MACH ALPHA CT J CONF NPR RUN POINT
 .750 2.499 1. 101. 11.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.095	1.085	1.093	1.089	1.075	1.075	1.089	1.095	1.090	1.096
.005	.163	.189	.147	.162	.155	.211	.240	.209	.223	.291
.015	-.488	-.498	-.486	-.474	-.509	-.573	-.530	-.519	-.515	-.447
.030	-.942	-.950	-.936	-.960	-.953	-.988	-.966	-.972	-.988	-.954
.050	-1.132	-1.117	-1.139	-1.128	-1.124	-1.106	-1.158	-1.135	-1.148	-1.130
.100	-1.167	-1.180	-1.181	-1.196	-1.176	-1.207	-1.172	-1.155	-1.160	-1.168
.175	-1.152	-1.168	-1.162	-1.167	-1.156	-1.142	-1.142	-1.134	-1.130	-1.108
.250	-1.146	-1.140	-1.142	-1.116	-1.149	-1.149	-1.129	-1.136	-1.138	-1.118
.350	-.576	-1.134	-1.150	-1.090	-1.148	-1.116	-1.103	-1.099	-1.072	-.611
.450	-.496	-.460	-.458	-.461	-.512	-.494	-.458	-.464	-.469	-.522
.500	-.516	-.485	-.470	-.480	-.469	-.466	-.466	-.476	-.487	-.521
.525	-.529	-.493	-.484	-.496	-.490	-.465	-.481	-.486	-.493	-.511
.550	-.502	-.506	-.479	-.507	-.477	-.468	-.484	-.485		-.500
.650	-.458	-.458	-.463	-.471	-.468	-.456	-.471	-.427	-.466	-.463
.750	-.368	-.377	-.362	-.379	-.378	-.371	-.383	-.380	-.380	-.376
.850	-.222	-.231	-.226	-.227	-.228	-.213	-.225	-.221	-.235	-.222
.950	-.014	-.009	-.013	-.014	-.025	-.003	-.007	.002	-.001	-.005

LOWER SURFACE

0.000	1.095	1.085	1.093	1.089	1.075	1.075	1.089	1.095	1.090	1.096
.005	.909	.929	.925	.927	.934	.950	.869	.902	.902	.861
.015	.385	.417	.404	.409	.392	.429	.406	.423	.432	.447
.030	.165	.193	.167	.181	.172	.142	.152	.125	.154	.155
.050	-.026	-.003	-.001	-.001	-.007	-.006	.018	.009	.022	-.002
.100	-.156	-.143	-.135	-.137	-.134	-.124	-.128	-.132	-.133	-.148
.175	-.262	-.259	-.245	-.242	-.249	-.250	-.277	-.288	-.285	-.296
.250	-.343	-.335	-.369	-.329	-.309	-.322	-.294	-.315	-.302	-.340
.350	-.358	-.355	-.351	-.358	-.346	-.389	-.355	-.351	-.408	-.378
.450		-.384	-.396	-.374	-.373	-.407	-.378	-.383	-.407	-.397
.550	-.289	-.340	-.290	-.275	-.289	-.325	-.275	-.282	-.284	-.279
.650	-.043	-.020	-.017	-.019	-.019	-.022	-.015	-.031	-.019	-.029
.750	.199	.210	.210	.213	.212	.217	.213	.211	.210	.204
.850	.353	.356	.355	.346	.362	.360	.355	.349	.345	.346
.925	.403	.405	.403	.394	.410	.407	.399	.396	.396	.394
.990	.265	.270	.266	.270	.281	.230	.297	.261	.261	.261

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.995 1. 101. 12.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.077	1.066	1.073	1.071	1.056	1.056	1.068	1.078	1.074	1.078
.005	.090	.123	.094	.090	.103	.165	.169	.168	.161	.236
.015	-.560	-.564	-.552	-.540	-.571	-.638	-.601	-.586	-.583	-.481
.030	-1.001	-1.005	-.990	-1.020	-1.009	-1.043	-1.029	-1.022	-1.037	-1.017
.050	-1.191	-1.174	-1.191	-1.186	-1.185	-1.166	-1.216	-1.188	-1.198	-1.168
.100	-1.241	-1.232	-1.241	-1.249	-1.237	-1.263	-1.233	-1.217	-1.209	-1.240
.175	-1.216	-1.214	-1.213	-1.219	-1.210	-1.203	-1.199	-1.189	-1.183	-1.168
.250	-1.206	-1.190	-1.196	-1.179	-1.210	-1.210	-1.196	-1.196	-1.192	-1.191
.350	-1.033	-1.207	-1.206	-1.161	-1.209	-1.176	-1.171	-1.158	-1.147	-.885
.450	-.464	-.468	-.495	-.567	-.655	-.628	-.545	-.486	-.464	-.488
.500	-.487	-.437	-.428	-.436	-.471	-.456	-.424	-.432	-.444	-.490
.525	-.506	-.446	-.440	-.441	-.454	-.437	-.431	-.447	-.449	-.490
.550	-.482	-.456	-.433	-.445	-.437	-.430	-.431	-.436		-.482
.650	-.448	-.428	-.437	-.437	-.435	-.427	-.439	-.408	-.438	-.453
.750	-.359	-.358	-.346	-.362	-.359	-.353	-.368	-.365	-.364	-.366
.850	-.216	-.220	-.217	-.216	-.219	-.204	-.213	-.213	-.227	-.217
.950	-.008	-.007	-.011	-.014	-.018	.004	-.006	.003	.001	.001

LOWER SURFACE

0.000	1.077	1.066	1.073	1.071	1.056	1.056	1.068	1.078	1.074	1.078
.005	.945	.957	.958	.962	.964	.981	.908	.924	.930	.904
.015	.436	.473	.468	.460	.450	.499	.468	.470	.488	.504
.030	.227	.258	.227	.242	.227	.204	.219	.186	.208	.219
.050	.032	.054	.045	.051	.047	.050	.075	.062	.086	.046
.100	-.106	-.099	-.091	-.088	-.081	-.089	-.075	-.086	-.085	-.103
.175	-.227	-.218	-.211	-.203	-.207	-.204	-.235	-.243	-.246	-.251
.250	-.302	-.306	-.319	-.290	-.276	-.282	-.258	-.279	-.271	-.302
.350	-.334	-.335	-.328	-.332	-.317	-.367	-.325	-.325	-.379	-.354
.450		-.362	-.375	-.354	-.354	-.389	-.351	-.360	-.383	-.381
.550	-.283	-.325	-.270	-.266	-.280	-.314	-.263	-.263	-.273	-.271
.650	-.035	-.013	-.008	-.020	-.010	-.014	-.012	-.023	-.009	-.024
.750	.201	.213	.222	.217	.220	.219	.215	.214	.215	.207
.850	.352	.361	.361	.357	.366	.369	.360	.353	.348	.350
.925	.404	.408	.407	.399	.413	.411	.401	.399	.401	.397
.990	.263	.266	.265	.265	.283	.227	.296	.264	.259	.258

MACH ALPHA CT J CONF NPR RUN POINT
 .799 -.002 1. 101. 3.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.153	1.170	1.155	1.148	1.149	1.151	1.152	1.166	1.158	1.164
.005	.573	.583	.559	.573	.565	.613	.617	.576	.598	.644
.015	-.058	-.014	-.022	-.005	-.034	-.070	-.048	-.047	-.041	.037
.030	-.478	-.468	-.474	-.472	-.456	-.472	-.476	-.475	-.495	-.487
.050	-.636	-.610	-.617	-.610	-.614	-.585	-.674	-.620	-.639	-.613
.100	-.692	-.694	-.697	-.685	-.667	-.702	-.623	-.633	-.622	-.660
.175	-.693	-.681	-.677	-.652	-.652	-.655	-.650	-.628	-.639	-.621
.250	-.721	-.718	-.693	-.666	-.686	-.734	-.730	-.779	-.744	-.743
.350	-.677	-.780	-.773	-.721	-.760	-.748	-.750	-.763	-.764	-.786
.450	-.703	-.772	-.767	-.769	-.804	-.795	-.788	-.806	-.788	-.666
.500	-.647	-.732	-.790	-.807	-.804	-.812	-.802	-.803	-.773	-.595
.525	-.616	-.759	-.789	-.827	-.857	-.811	-.802	-.788	-.727	-.575
.550	-.607	-.793	-.771	-.842	-.820	-.818	-.794	-.754		-.535
.650	-.453	-.411	-.391	-.394	-.407	-.397	-.405	-.380	-.436	-.467
.750	-.359	-.342	-.323	-.328	-.329	-.327	-.336	-.344	-.351	-.366
.850	-.207	-.199	-.196	-.189	-.196	-.183	-.183	-.188	-.202	-.205
.950	.013	.017	.014	.014	.006	.025	.025	.029	.026	.021

LOWER SURFACE

0.000	1.153	1.170	1.155	1.148	1.149	1.151	1.152	1.166	1.158	1.164
.005	.694	.725	.724	.718	.720	.740	.592	.658	.657	.616
.015	.034	.065	.055	.046	.028	.096	.052	.071	.082	.129
.030	-.171	-.136	-.156	-.149	-.169	-.206	-.192	-.219	-.195	-.199
.050	-.373	-.346	-.341	-.346	-.360	-.353	-.315	-.336	-.306	-.341
.100	-.459	-.435	-.430	-.441	-.431	-.401	-.432	-.414	-.413	-.434
.175	-.567	-.550	-.543	-.539	-.548	-.562	-.605	-.594	-.600	-.627
.250	-.620	-.612	-.625	-.613	-.571	-.658	-.620	-.622	-.659	-.619
.350	-.676	-.675	-.697	-.715	-.682	-.695	-.673	-.640	-.683	-.645
.450		-.624	-.637	-.648	-.673	-.743	-.675	-.652	-.682	-.594
.550	-.330	-.370	-.322	-.321	-.329	-.347	-.317	-.325	-.334	-.327
.650	-.038	-.025	-.023	.005	-.028	-.027	-.029	-.030	-.024	-.036
.750	.196	.200	.189	.201	.197	.194	.195	.201	.199	.193
.850	.327	.334	.319	.328	.331	.329	.323	.322	.326	.329
.925	.381	.393	.377	.386	.390	.386	.376	.373	.384	.384
.990	.280	.281	.272	.279	.291	.247	.298	.265	.270	.273

MACH ALPHA CT J CONF NPR RUN POINT
 .801 1.003 1. 101. 4.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.159	1.160	1.157	1.149	1.148	1.155	1.155	1.157	1.161	1.158
.005	.469	.490	.460	.469	.468	.514	.526	.506	.510	.554
.015	-.141	-.140	-.132	-.115	-.152	-.193	-.160	-.160	-.157	-.054
.030	-.610	-.592	-.583	-.599	-.581	-.612	-.597	-.592	-.617	-.612
.050	-.716	-.713	-.728	-.694	-.737	-.725	-.749	-.739	-.730	-.693
.100	-.829	-.824	-.823	-.826	-.821	-.844	-.789	-.782	-.785	-.822
.175	-.832	-.828	-.835	-.813	-.819	-.807	-.775	-.784	-.792	-.773
.250	-.862	-.849	-.828	-.810	-.829	-.841	-.828	-.823	-.831	-.839
.350	-.867	-.889	-.888	-.826	-.881	-.856	-.844	-.830	-.835	-.874
.450	-.778	-.891	-.862	-.871	-.882	-.886	-.881	-.895	-.888	-.791
.500	-.696	-.894	-.878	-.888	-.891	-.915	-.906	-.907	-.918	-.739
.525	-.653	-.902	-.898	-.906	-.948	-.918	-.919	-.925	-.926	-.670
.550	-.571	-.916	-.893	-.928	-.920	-.914	-.926	-.917		-.622
.650	-.460	-.402	-.418	-.451	-.532	-.518	-.438	-.376	-.373	-.448
.750	-.360	-.318	-.297	-.287	-.280	-.271	-.282	-.298	-.311	-.356
.850	-.202	-.186	-.178	-.167	-.160	-.147	-.160	-.171	-.190	-.197
.95	.010	.019	.016	.023	.020	.038	.034	.029	.026	.020

LOWER SURFACE

0.000	1.159	1.160	1.157	1.149	1.148	1.155	1.155	1.157	1.161	1.158
.005	.771	.809	.805	.810	.811	.825	.708	.761	.748	.719
.015	.163	.198	.191	.189	.166	.213	.190	.216	.220	.247
.030	-.049	-.016	-.036	-.026	-.039	-.086	-.057	-.075	-.073	-.062
.050	-.242	-.214	-.215	-.217	-.226	-.219	-.189	-.185	-.172	-.208
.100	-.342	-.321	-.326	-.332	-.324	-.305	-.322	-.305	-.300	-.321
.175	-.455	-.435	-.432	-.428	-.430	-.449	-.501	-.494	-.496	-.506
.250	-.545	-.532	-.575	-.528	-.456	-.499	-.449	-.507	-.473	-.499
.350	-.639	-.604	-.648	-.653	-.641	-.664	-.651	-.644	-.710	-.624
.450		-.554	-.560	-.544	-.531	-.568	-.533	-.535	-.567	-.576
.550	-.330	-.376	-.332	-.328	-.333	-.358	-.322	-.325	-.331	-.323
.650	-.029	-.022	-.019	.021	-.018	-.026	-.026	-.030	-.022	-.036
.750	.206	.208	.202	.206	.209	.204	.203	.204	.209	.196
.850	.339	.342	.335	.339	.344	.337	.330	.331	.337	.333
.925	.393	.397	.393	.393	.403	.396	.384	.384	.393	.394
.990	.275	.277	.276	.280	.289	.246	.298	.274	.280	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .799 2.483 1. 101. 6.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.139	1.131	1.136	1.132	1.125	1.126	1.133	1.139	1.135	1.138
.005	.319	.352	.302	.314	.324	.375	.380	.364	.376	.424
.015	-.304	-.300	-.300	-.284	-.305	-.360	-.337	-.324	-.323	-.217
.030	-.741	-.735	-.723	-.745	-.725	-.758	-.754	-.750	-.773	-.757
.050	-.914	-.892	-.910	-.899	-.898	-.881	-.931	-.900	-.922	-.883
.100	-.980	-.972	-.978	-.981	-.965	-1.000	-.960	-.951	-.954	-.988
.175	-.997	-.983	-.983	-.977	-.976	-.968	-.961	-.959	-.956	-.955
.250	-.998	-.981	-.980	-.958	-.989	-1.005	-.983	-.985	-.989	-.997
.350	-.999	-1.018	-1.021	-.979	-1.009	-.973	-.967	-.956	-.947	-.970
.450	-1.009	-1.006	-.998	-.989	-.994	-.991	-.983	-.994	-.977	-.994
.500	-1.007	-1.002	-.989	-1.006	-.981	-1.011	-1.009	-.999	-1.006	-1.014
.525	-1.005	-1.013	-.997	-1.016	-1.036	-1.017	-1.030	-1.015	-1.026	-.975
.550	-.897	-1.030	-.985	-1.029	-1.002	-1.013	-1.038	-1.011		-.890
.650	-.418	-.549	-.586	-.657	-.620	-.599	-.589	-.535	-.524	-.432
.750	-.309	-.276	-.294	-.296	-.327	-.322	-.303	-.297	-.278	-.306
.850	-.174	-.142	-.138	-.143	-.157	-.147	-.141	-.133	-.140	-.166
.950	.015	.024	.021	.014	.002	.016	.019	.032	.030	.024

LOWER SURFACE

0.000	1.139	1.131	1.136	1.132	1.125	1.126	1.133	1.139	1.135	1.138
.005	.876	.905	.908	.914	.916	.928	.841	.873	.882	.844
.015	.342	.375	.372	.370	.353	.394	.369	.383	.402	.417
.030	.120	.156	.146	.153	.132	.102	.121	.091	.118	.123
.050	-.056	-.040	-.049	-.043	-.048	-.044	-.015	-.030	-.004	-.026
.100	-.192	-.163	-.177	-.183	-.175	-.168	-.162	-.164	-.154	-.171
.175	-.319	-.310	-.293	-.288	-.298	-.297	-.329	-.344	-.337	-.339
.250	-.415	-.410	-.481	-.411	-.355	-.404	-.344	-.384	-.366	-.412
.350	-.439	-.441	-.437	-.443	-.431	-.466	-.434	-.442	-.492	-.446
.450		-.485	-.491	-.484	-.479	-.522	-.472	-.499	-.522	-.514
.550	-.316	-.370	-.312	-.320	-.330	-.361	-.305	-.317	-.324	-.310
.650	-.029	-.017	-.011	.017	-.019	-.027	-.026	-.025	-.024	-.030
.750	.211	.212	.215	.214	.213	.207	.210	.209	.211	.207
.850	.355	.354	.354	.344	.360	.344	.343	.339	.357	.344
.925	.401	.406	.404	.395	.403	.395	.392	.394	.398	.397
.990	.275	.269	.270	.262	.263	.214	.282	.254	.266	.265

MACH ALPHA CT J CONF NPR RUN POINT
 .798 3.002 1. 101. 7.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.127	1.119	1.126	1.120	1.106	1.108	1.120	1.127	1.122	1.121
.005	.269	.288	.253	.267	.261	.314	.334	.316	.312	.374
.015	-.351	-.356	-.346	-.328	-.369	-.430	-.384	-.376	-.379	-.265
.030	-.776	-.785	-.768	-.786	-.789	-.825	-.796	-.800	-.821	-.796
.050	-.964	-.952	-.966	-.951	-.955	-.939	-.982	-.959	-.979	-.933
.100	-1.026	-1.025	-1.027	-1.027	-1.023	-1.055	-1.014	-1.003	-1.011	-1.035
.175	-1.025	-1.022	-1.023	-1.018	-1.015	-1.014	-1.006	-1.006	-1.003	-.990
.250	-1.025	-1.022	-1.021	-.998	-1.022	-1.026	-1.022	-1.027	-1.034	-1.032
.350	-1.038	-1.064	-1.063	-1.020	-1.054	-1.014	-1.005	-1.002	-.992	-1.014
.450	-1.056	-1.065	-1.054	-1.038	-1.055	-1.037	-1.014	-1.026	-1.015	-1.029
.500	-1.072	-1.060	-1.049	-1.059	-1.035	-1.062	-1.047	-1.039	-1.042	-1.060
.525	-1.082	-1.061	-1.045	-1.060	-1.082	-1.067	-1.064	-1.054	-1.059	-1.071
.550	-1.043	-1.078	-1.026	-1.067	-1.034	-1.057	-1.073	-1.042		-1.045
.650	-.408	-.514	-.508	-.516	-.492	-.508	-.494	-.461	-.489	-.427
.750	-.282	-.293	-.312	-.321	-.346	-.334	-.341	-.333	-.301	-.284
.850	-.155	-.138	-.149	-.165	-.197	-.176	-.173	-.164	-.144	-.152
.950	.022	.021	.007	-.024	-.057	-.036	-.028	.003	.019	.029

LOWER SURFACE

0.000	1.127	1.119	1.126	1.120	1.106	1.108	1.120	1.127	1.122	1.121
.005	.912	.942	.933	.938	.939	.960	.874	.913	.915	.873
.015	.387	.438	.415	.423	.401	.448	.425	.446	.452	.462
.030	.179	.218	.185	.207	.188	.159	.172	.154	.170	.171
.050	-.002	.020	.012	.005	.011	.013	.032	.026	.052	.010
.100	-.144	-.126	-.128	-.133	-.121	-.124	-.122	-.119	-.121	-.136
.175	-.276	-.262	-.253	-.247	-.253	-.254	-.297	-.299	-.304	-.302
.250	-.379	-.364	-.446	-.362	-.329	-.348	-.321	-.344	-.340	-.362
.350	-.410	-.405	-.414	-.416	-.398	-.454	-.411	-.409	-.472	-.425
.450		-.457	-.475	-.461	-.455	-.511	-.468	-.478	-.500	-.485
.550	-.311	-.368	-.319	-.314	-.327	-.368	-.312	-.317	-.316	-.313
.650	-.027	-.024	-.020	.010	-.023	-.034	-.022	-.032	-.019	-.029
.750	.209	.209	.208	.211	.207	.210	.201	.208	.213	.212
.850	.352	.353	.344	.344	.347	.350	.341	.341	.347	.355
.925	.400	.407	.392	.384	.391	.394	.386	.389	.398	.399
.990	.274	.263	.249	.229	.230	.173	.262	.226	.251	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .703 -.008 1. 10.. 12.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.117	1.114	1.122	1.108	1.108	1.113	1.111	1.120	1.114	1.117
.005	.413	.446	.401	.414	.418	.461	.471	.459	.466	.516
.015	-.218	-.224	-.237	-.232	-.244	-.282	-.266	-.256	-.227	-.357
.030	-.647	-.655	-.684	-.688	-.658	-.572	-.684	-.668	-.654	-.636
.050	-.766	-.759	-.788	-.777	-.759	-.706	-.767	-.747	-.734	-.941
.100	-.651	-.659	-.670	-.671	-.671	-.720	-.629	-.622	-.617	-.640
.175	-.593	-.602	-.589	-.607	-.620	-.635	-.645	-.628	-.635	-.616
.250	-.574	-.575	-.586	-.594	-.607	-.591	-.564	-.567	-.553	-.521
.350	-.517	-.559	-.563	-.545	-.582	-.553	-.542	-.544	-.529	-.529
.450	-.484	-.526	-.513	-.522	-.529	-.530	-.520	-.535	-.515	-.498
.500	-.486	-.510	-.507	-.532	-.510	-.510	-.504	-.508	-.498	-.488
.525	-.500	-.502	-.508	-.523	-.539	-.507	-.500	-.508	-.489	-.479
.550	-.469	-.501	-.477	-.519	-.501	-.488	-.485	-.478		-.466
.650	-.432	-.442	-.460	-.471	-.466	-.449	-.465	-.414	-.448	-.434
.750	-.370	-.376	-.371	-.389	-.392	-.383	-.391	-.383	-.375	-.375
.850	-.246	-.265	-.253	-.258	-.264	-.244	-.253	-.243	-.265	-.241
.950	-.044	-.050	-.047	-.045	-.064	-.034	-.029	-.028	-.033	-.030

LOWER SURFACE

0.000	1.117	1.114	1.122	1.108	1.108	1.113	1.111	1.120	1.114	1.117
.005	.676	.705	.706	.715	.700	.719	.591	.636	.632	.588
.015	.003	.049	.034	.032	-.002	.059	.036	.032	.061	.073
.030	-.185	-.149	-.175	-.167	-.192	-.231	-.210	-.247	-.229	-.198
.050	-.354	-.344	-.342	-.334	-.345	-.339	-.313	-.329	-.310	-.344
.100	-.407	-.403	-.399	-.392	-.389	-.351	-.373	-.388	-.391	-.405
.175	-.443	-.448	-.432	-.429	-.444	-.442	-.478	-.477	-.481	-.482
.250	-.480	-.472	-.477	-.492	-.461	-.507	-.442	-.440	-.445	-.464
.350	-.445	-.449	-.438	-.456	-.441	-.482	-.450	-.439	-.478	-.468
.450		-.440	-.444	-.432	-.434	-.463	-.434	-.432	-.465	-.444
.550	-.333	-.378	-.332	-.322	-.337	-.364	-.320	-.317	-.327	-.312
.650	-.067	-.053	-.052	-.063	-.056	-.063	-.055	-.064	-.055	-.060
.750	.179	.190	.205	.191	.195	.187	.186	.180	.181	.182
.850	.337	.350	.348	.344	.360	.346	.334	.329	.323	.330
.925	.390	.402	.402	.394	.417	.393	.383	.387	.376	.376
.990	.255	.256	.257	.259	.268	.217	.285	.247	.254	.246

MACH ALPHA CT J CONF NPR RUN POINT
 .699 2.501 1. 102. 15.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.049	1.039	1.034	1.045	1.026	1.022	1.038	1.041	1.048	1.048
.005	.021	.026	-.027	-.008	-.011	.054	.076	.056	.063	.140
.015	-.690	-.705	-.720	-.689	-.720	-.800	-.756	-.745	-.726	-.545
.030	-1.171	-1.174	-1.170	-1.206	-1.187	-1.116	-1.211	-1.204	-1.217	-1.194
.050	-1.349	-1.343	-1.378	-1.368	-1.360	-1.329	-1.399	1.371	-1.374	-1.231
.100	-1.282	-1.336	-1.353	-1.368	-1.365	-1.414	-1.327	-1.311	-1.302	-1.302
.175	-.604	-.837	-.919	-.956	-.923	-.910	-.882	-.805	-.771	-.750
.250	-.677	-.659	-.668	-.706	-.708	-.690	-.660	-.711	-.650	-.635
.350	-.622	-.689	-.679	-.655	-.694	-.666	-.655	-.654	-.641	-.632
.450	-.557	-.601	-.588	-.602	-.614	-.613	-.603	-.607	-.593	-.570
.500	-.541	-.570	-.570	-.596	-.580	-.582	-.572	-.569	-.560	-.543
.525	-.543	-.560	-.557	-.579	-.596	-.564	-.559	-.554	-.550	-.527
.550	-.514	-.551	-.532	-.566	-.549	-.536	-.539	-.524		-.511
.650	-.455	-.469	-.482	-.493	-.494	-.476	-.488	-.441	-.472	-.457
.750	-.375	-.382	-.376	-.393	-.392	-.384	-.394	-.387	-.381	-.379
.850	-.236	-.244	-.246	-.244	-.248	-.233	-.239	-.236	-.242	-.233
.950	-.037	-.030	-.034	-.036	-.045	-.026	-.025	-.019	-.017	-.023

LOWER SURFACE

0.000	1.049	1.039	1.034	1.045	1.026	1.022	1.038	1.041	1.048	1.048
.005	.902	.930	.939	.940	.943	.963	.895	.917	.914	.879
.015	.401	.431	.438	.436	.421	.470	.441	.456	.456	.469
.030	.166	.220	.203	.200	.186	.171	.189	.159	.169	.173
.050	-.011	.014	.030	.015	.006	.021	.042	.041	.050	.026
.100	-.128	-.122	-.105	-.122	-.109	-.124	-.111	-.100	-.112	-.122
.175	-.232	-.231	-.209	-.220	-.225	-.216	-.240	-.247	-.248	-.257
.250	-.303	-.298	-.291	-.303	-.281	-.282	-.257	-.265	-.273	-.301
.350	-.319	-.317	-.302	-.319	-.308	-.311	-.303	-.309	-.326	-.342
.450		-.335	-.339	-.329	-.336	-.338	-.334	-.337	-.371	-.355
.550	-.288	-.318	-.269	-.260	-.276	-.274	-.253	-.260	-.270	-.264
.650	-.048	-.016	-.021	-.066	-.020	-.036	-.020	-.041	-.027	-.039
.750	.195	.209	.206	.205	.215	.204	.202	.201	.199	.193
.850	.363	.366	.364	.362	.379	.375	.355	.351	.342	.348
.925	.408	.414	.417	.410	.428	.430	.394	.399	.391	.394
.990	.246	.244	.253	.252	.263	.199	.278	.241	.239	.244

MACH ALPHA CT J CONF NPR RUN POINT
 .749 -.002 1. 102. 7.

WING CP DATA
 UPPER SURFACE

X/C	Y/R										
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00	
0.000	1.140	1.140	1.135	1.137	1.129	1.132	1.140	1.135	1.140	1.141	
.005	.489	.510	.464	.484	.491	.527	.543	.519	.529	.574	
.015	-.144	-.144	-.134	-.151	-.196	-.165	-.164	-.161	-.179		
.030	-.596	-.600	-.597	-.611	-.587	-.510	-.609	-.598	-.616	-.594	
.050	-.747	-.731	-.753	-.752	-.737	-.698	-.766	-.726	-.726	-.808	
.100	-.683	-.691	-.711	-.699	-.685	-.733	-.645	-.643	-.637	-.652	
.175	-.637	-.655	-.661	-.655	-.667	-.699	-.717	-.717	-.708	-.669	
.250	-.633	-.642	-.653	-.655	-.668	-.653	-.648	-.654	-.648	-.553	
.350	-.569	-.617	-.631	-.606	-.646	-.607	-.585	-.585	-.570	-.569	
.450	-.517	-.564	-.558	-.566	-.579	-.585	-.575	-.586	-.562	-.540	
.500	-.522	-.553	-.550	-.575	-.558	-.563	-.548	-.554	-.543	-.525	
.525	-.538	-.547	-.548	-.569	-.587	-.551	-.544	-.546	-.534	-.514	
.550	-.504	-.541	-.520	-.561	-.545	-.530	-.526	-.512		-.498	
.650	-.459	-.470	-.487	-.491	-.500	-.485	-.487	-.440	-.475	-.459	
.750	-.380	-.394	-.384	-.397	-.404	-.395	-.397	-.394	-.389	-.380	
.850	-.244	-.259	-.253	-.254	-.261	-.240	-.243	-.238	-.253	-.235	
.950	-.030	-.033	-.033	-.039	-.044	-.016	-.025	-.012	-.015	-.013	

LOWER SURFACE

0.000	1.140	1.140	1.135	1.137	1.129	1.132	1.140	1.135	1.140	1.141
.005	.685	.712	.709	.717	.705	.734	.585	.639	.650	.596
.015	.019	.048	.045	.033	.004	.069	.039	.046	.069	.093
.030	-.187	-.167	-.186	-.170	-.190	-.230	-.215	-.239	-.220	-.210
.050	-.375	-.360	-.355	-.346	-.364	-.359	-.323	-.332	-.311	-.339
.100	-.440	-.428	-.429	-.425	-.428	-.410	-.417	-.415	-.405	-.420
.175	-.485	-.498	-.488	-.484	-.490	-.494	-.536	-.542	-.537	-.536
.250	-.535	-.556	-.547	-.566	-.519	-.566	-.493	-.495	-.500	-.513
.350	-.489	-.510	-.502	-.506	-.501	-.541	-.503	-.501	-.532	-.516
.450		-.494	-.503	-.480	-.499	-.517	-.484	-.483	-.511	-.485
.550	-.348	-.398	-.347	-.333	-.355	-.379	-.333	-.334	-.343	-.325
.650	-.062	-.049	-.046	-.070	-.050	-.051	-.048	-.059	-.045	-.051
.750	.190	.202	.202	.200	.205	.199	.201	.195	.200	.192
.850	.349	.367	.359	.353	.369	.355	.345	.339	.337	.339
.925	.401	.414	.412	.407	.427	.411	.390	.394	.385	.398
.990	.269	.269	.276	.275	.287	.234	.295	.261	.256	.265

MACH ALPHA CT J CONF NPR RUN POINT
 .751 2.495 1. 102. 10.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.096	1.091	1.089	1.091	1.084	1.081	1.086	1.092	1.097	1.095
.005	.166	.197	.143	.167	.163	.218	.233	.215	.215	.291
.015	-.484	-.491	-.490	-.469	-.508	-.576	-.536	-.520	-.517	-.378
.030	-.946	-.945	-.934	-.958	-.948	-.875	-.971	-.965	-.979	-.959
.050	-1.127	-1.107	-1.135	-1.111	-1.124	-1.096	-1.146	-1.127	-1.133	-1.068
.100	-1.164	-1.172	-1.180	-1.181	-1.170	-1.213	-1.159	-1.150	-1.150	-1.173
.175	-1.160	-1.163	-1.159	-1.160	-1.159	-1.139	-1.132	-1.128	-1.129	-1.110
.250	-1.149	-1.140	-1.149	-1.124	-1.171	-1.156	-1.134	-1.153	-1.136	-1.128
.350	-.706	-1.082	-1.120	-1.096	-1.142	-1.117	-1.071	-1.066	-1.055	-.622
.450	-.488	-.404	-.440	-.474	-.528	-.527	-.452	-.414	-.405	-.514
.500	-.511	-.459	-.438	-.439	-.443	-.439	-.396	-.423	-.451	-.519
.525	-.529	-.485	-.462	-.460	-.464	-.438	-.431	-.460	-.474	-.515
.550	-.505	-.496	-.462	-.480	-.460	-.445	-.447	-.463		-.504
.650	-.462	-.457	-.469	-.474	-.468	-.452	-.471	-.430	-.468	-.466
.750	-.381	-.384	-.373	-.385	-.389	-.380	-.389	-.390	-.386	-.387
.850	-.237	-.244	-.239	-.241	-.248	-.229	-.236	-.234	-.247	-.233
.950	-.027	-.022	-.023	-.029	-.043	-.019	-.022	-.008	-.009	-.012

LOWER SURFACE

0.000	1.096	1.091	1.089	1.091	1.084	1.081	1.086	1.092	1.097	1.095
.005	.904	.927	.927	.932	.932	.954	.867	.900	.899	.853
.015	.383	.419	.409	.409	.396	.446	.398	.422	.430	.442
.030	.159	.191	.169	.185	.172	.146	.150	.132	.145	.153
.050	-.027	-.011	.000	-.002	-.005	-.010	.016	.013	.022	-.014
.100	-.145	-.142	-.133	-.141	-.132	-.140	-.123	-.127	-.135	-.158
.175	-.265	-.261	-.245	-.244	-.253	-.252	-.283	-.277	-.290	-.301
.250	-.346	-.345	-.338	-.346	-.313	-.323	-.306	-.299	-.310	-.334
.350	-.363	-.357	-.349	-.361	-.347	-.358	-.355	-.351	-.367	-.387
.450		-.380	-.391	-.371	-.381	-.382	-.373	-.374	-.411	-.398
.550	-.300	-.344	-.294	-.279	-.294	-.301	-.274	-.275	-.286	-.280
.650	-.038	-.012	-.012	-.040	-.010	-.023	-.015	-.029	-.017	-.028
.750	.211	.225	.232	.233	.231	.227	.225	.223	.220	.214
.850	.377	.394	.382	.381	.398	.399	.376	.369	.366	.364
.925	.426	.439	.431	.432	.451	.459	.422	.422	.413	.411
.990	.272	.275	.280	.283	.302	.238	.313	.273	.271	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .799 .001 1. 102. 2.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.158	1.160	1.163	1.153	1.153	1.153	1.154	1.162	1.161	1.159
.005	.562	.587	.553	.571	.570	.598	.623	.597	.605	.646
.015	-.042	-.024	-.027	-.010	-.038	-.084	-.049	-.053	-.042	.024
.030	-.474	-.465	-.463	-.470	-.458	-.376	-.477	-.472	-.486	-.477
.050	-.632	-.614	-.628	-.614	-.625	-.600	-.651	-.625	-.629	-.612
.100	-.695	-.694	-.698	-.695	-.683	-.716	-.616	-.635	-.622	-.659
.175	-.699	-.689	-.681	-.667	-.666	-.659	-.647	-.638	-.639	-.626
.250	-.733	-.708	-.695	-.671	-.707	-.737	-.743	-.741	-.743	-.743
.350	-.715	-.757	-.757	-.738	-.778	-.771	-.763	-.778	-.778	-.782
.450	-.705	-.800	-.795	-.783	-.821	-.820	-.812	-.819	-.818	-.730
.500	-.684	-.791	-.807	-.825	-.835	-.847	-.831	-.823	-.824	-.652
.525	-.634	-.781	-.819	-.855	-.898	-.854	-.823	-.805	-.818	-.630
.550	-.597	-.793	-.812	-.864	-.855	-.850	-.789	-.779		-.574
.650	-.467	-.417	-.470	-.440	-.508	-.498	-.561	-.457	-.425	-.474
.750	-.369	-.352	-.326	-.329	-.316	-.311	-.342	-.347	-.356	-.372
.850	-.220	-.228	-.218	-.209	-.200	-.191	-.218	-.221	-.231	-.211
.950	.000	.002	-.002	.002	.002	.024	.001	.006	.018	.017

LOWER SURFACE

0.000	1.158	1.160	1.163	1.153	1.153	1.153	1.154	1.162	1.161	1.159
.005	.694	.735	.733	.738	.728	.738	.605	.653	.660	.625
.015	.026	.071	.063	.064	.025	.072	.067	.078	.098	.123
.030	-.172	-.144	-.162	-.151	-.165	-.224	-.191	-.218	-.195	-.188
.050	-.369	-.352	-.355	-.365	-.357	-.350	-.315	-.317	-.296	-.331
.100	-.462	-.440	-.437	-.448	-.439	-.415	-.424	-.417	-.413	-.426
.175	-.571	-.562	-.547	-.548	-.548	-.562	-.593	-.598	-.594	-.617
.250	-.651	-.632	-.627	-.635	-.601	-.675	-.624	-.659	-.671	-.666
.350	-.699	-.710	-.701	-.723	-.689	-.702	-.659	-.637	-.642	-.611
.450		-.590	-.622	-.658	-.647	-.671	-.594	-.613	-.632	-.604
.550	-.333	-.370	-.329	-.313	-.322	-.344	-.313	-.329	-.329	-.328
.650	-.033	-.019	-.018	.016	-.018	-.017	-.015	-.035	-.015	-.035
.750	.211	.223	.229	.228	.231	.225	.216	.214	.220	.205
.850	.365	.380	.380	.377	.390	.375	.354	.360	.351	.350
.925	.421	.434	.434	.431	.444	.429	.407	.420	.405	.403
.990	.295	.298	.302	.305	.306	.262	.330	.300	.291	.277

MACH ALPHA CT J CONF NPR RUN POINT
 .799 2.504 1. 102. 5.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.139	1.127	1.132	1.135	1.121	1.121	1.133	1.135	1.133	1.137
.005	.311	.339	.292	.311	.312	.361	.378	.359	.365	.424
.015	-.310	-.301	-.304	-.291	-.315	-.371	-.341	-.331	-.324	-.200
.030	-.742	-.738	-.726	-.753	-.743	-.671	-.760	-.756	-.774	-.757
.050	-.920	-.902	-.923	-.911	-.910	-.883	-.940	-.916	-.928	-.862
.100	-.982	-.978	-.985	-.995	-.975	-1.017	-.973	-.959	-.960	-.985
.175	-1.006	-.993	-1.001	-1.000	-.991	-.972	-.977	-.975	-.962	-.959
.250	-1.023	-1.006	-1.007	-.987	-1.026	-1.012	-1.000	-1.000	-1.003	-1.009
.350	-1.045	-1.033	-1.023	-1.006	-1.030	-1.005	-1.011	-1.001	-.999	-1.018
.450	-1.051	-1.051	-1.035	-1.030	-1.046	-1.038	-1.033	-1.029	-1.023	-1.039
.500	-1.055	-1.047	-1.053	-1.050	-1.039	-1.059	-1.052	-1.053	-1.050	-1.056
.525	-1.059	-1.053	-1.057	-1.064	-1.107	-1.070	-1.057	-1.057	-1.063	-1.048
.550	-.991	-1.073	-1.031	-1.080	-1.058	-1.062	-1.049	-1.006		-.968
.650	-.413	-.704	-.657	-.907	-.687	-.789	-.995	-.858	-.816	-.452
.750	-.310	-.281	-.293	-.347	-.413	-.406	-.288	-.216	-.275	-.309
.850	-.184	-.150	-.128	-.155	-.206	-.165	-.124	-.115	-.140	-.170
.950	.005	.024	.038	.021	-.002	.036	.039	.054	.042	.021

LOWER SURFACE

0.000	1.139	1.127	1.132	1.135	1.121	1.121	1.133	1.135	1.133	1.137
.005	.897	.908	.916	.912	.912	.942	.844	.873	.882	.849
.015	.362	.379	.367	.374	.347	.410	.382	.389	.407	.425
.030	.153	.163	.136	.173	.134	.121	.134	.099	.117	.124
.050	-.032	-.037	-.043	-.025	-.042	-.030	-.013	-.022	-.005	-.030
.100	-.162	-.176	-.173	-.155	-.171	-.168	-.165	-.162	-.168	-.169
.175	-.292	-.306	-.297	-.271	-.302	-.297	-.337	-.341	-.349	-.343
.250	-.402	-.414	-.424	-.397	-.382	-.385	-.355	-.366	-.370	-.393
.350	-.415	-.445	-.433	-.418	-.427	-.436	-.427	-.430	-.450	-.450
.450		-.477	-.481	-.441	-.465	-.466	-.471	-.475	-.513	-.470
.550	-.320	-.373	-.323	-.297	-.337	-.367	-.301	-.306	-.311	-.292
.650	-.026	-.007	-.007	.013	-.008	-.019	.001	-.018	-.010	-.006
.750	.224	.239	.235	.244	.246	.241	.248	.230	.230	.237
.850	.380	.403	.395	.387	.406	.409	.399	.382	.374	.388
.925	.436	.451	.450	.437	.458	.465	.444	.436	.428	.434
.990	.287	.298	.305	.290	.292	.241	.344	.291	.295	.289

MACH ALPHA CT J CONF NPR RUN POINT
 .501 .019 0.000 0.000 3. 1.00 8. 49.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.042	1.051	1.044	1.031	1.014	1.011	1.030	1.040	1.050	1.044
.005	.156	.219	.145	.087	-.060	.030	.163	.218	.233	.320
.015	-.454	-.461	-.513	-.544	-.734	-.770	-.591	-.516	-.480	
.030	-.719	-.756	-.775	-.860	-.990	-1.007	-.863	-.759	-.750	-.724
.050	-.715	-.727	-.750	-.838	-.903	-.881	-.838	-.732	-.712	
.100	-.570	-.592	-.624	-.658	-.680	-.726	-.647	-.592	-.570	-.590
.175	-.491	-.509	-.519	-.535	-.545	-.569	-.577	-.527	-.530	-.505
.250	-.458	-.467	-.457	-.469	-.482	-.493	-.459	-.501	-.447	-.446
.350	-.434	-.468	-.459	-.404	-.382	-.386	-.419	-.432	-.434	-.448
.450	-.410	-.413	-.396	-.363	-.237	-.269	-.374	-.414	-.405	-.419
.500	-.402	-.391	-.376	-.354	-.220	-.250	-.349	-.384	-.387	-.408
.525	-.405	-.386	-.375	-.349	-.247	-.252	-.350	-.381	-.383	-.395
.550	-.387	-.392	-.358	-.337	-.223	-.241	-.331	-.369		-.387
.650	-.364	-.352	-.343	-.294	-.220	-.229	-.304	-.325	-.353	-.368
.750	-.311	-.293	-.290	-.250	-.173	-.191	-.264	-.308	-.295	-.315
.850	-.227	-.223	-.207	-.172	-.128	-.140	-.178	-.211	-.235	-.227
.950	-.056	-.051	-.056	-.048	-.063	-.060	-.042	-.049	-.045	-.047

LOWER SURFACE

0.000	1.042	1.051	1.044	1.031	1.014	1.011	1.030	1.040	1.050	1.044
.005	.651	.692	.689	.714	.657	.675	.594	.611	.593	.544
.015	.043	.064	.036	.065	-.048	.026	.024	.045	.049	.061
.030	-.154	-.114	-.145	-.116	-.183	-.233	-.172	-.205	-.179	-.196
.050	-.278	-.264	-.273	-.252	-.272	-.287	-.245	-.260	-.247	-.295
.100	-.316	-.312	-.314	-.315	-.274		-.307	-.319	-.315	-.329
.175	-.341	-.340	-.342	-.327	-.295	-.305	-.362	-.370	-.373	-.376
.250	-.357		-.350	-.357	-.297		-.329	-.341	-.347	
.350	-.339	-.345	-.334	-.344	-.303	-.350	-.341	-.335	-.354	-.374
.450		-.343	-.362	-.334	-.323	-.345	-.336	-.348	-.373	-.361
.550	-.299	-.316	-.271	-.272	-.269	-.316	-.270	-.273	-.284	-.271
.650	-.094	-.062	-.066	-.074	-.072	-.082	-.076	-.079	-.068	-.082
.750		.144	.148	.135	.129	.119	.129	.132	.150	.141
.850	.300	.298	.295	.282	.268	.258	.266	.284	.287	.284
.925	.350	.346	.343	.331	.306	.302	.317	.334	.336	.329
.990	.214	.212	.204	.201	.153	.099	.216	.213	.203	.207

MACH ALPHA CT J CONF NPR RUN POINT
.498 .013 0.000 0.000 3. 1.40 8. 56.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.064	1.044	1.039	1.050	.989	.993	1.053	1.051	1.041	1.060
.005	.193	.179	.125	.063	-.172	-.053	.154	.216	.196	.304
.015	-.419	-.505	-.550	-.592	-.846	-.844	-.627	-.546	-.504	
.030	-.712	-.778	-.853	-.905	-1.037	-1.045	-.883	-.822	-.775	-.696
.050	-.698	-.778	-.841	-.853	-.938	-.900	-.837	-.800	-.761	
.100	-.566	-.640	-.672	-.674	-.708	-.764	-.655	-.628	-.606	-.562
.175	-.493	-.533	-.544	-.549	-.600	-.609	-.576	-.543	-.551	-.504
.250	-.459	-.485	-.499	-.506	-.546	-.538	-.487	-.529	-.455	-.431
.350	-.444	-.485	-.491	-.445	-.453	-.428	-.445	-.461	-.449	-.445
.450	-.411	-.431	-.431	-.391	-.311	-.313	-.392	-.441	-.421	-.417
.500	-.397	-.420	-.413	-.389	-.303	-.308	-.372	-.413	-.413	-.401
.525	-.419	-.423	-.412	-.394	-.322	-.313	-.384	-.414	-.417	-.408
.550	-.400	-.412	-.377	-.385	-.320	-.315	-.367	-.376		-.398
.650	-.365	-.383	-.367	-.353	-.339	-.328	-.351	-.339	-.384	-.362
.750	-.309	-.322	-.303	-.303	-.289	-.276	-.309	-.318	-.325	-.314
.850	-.235	-.237	-.202	-.220	-.259	-.231	-.217	-.195	-.240	-.229
.950	-.062	-.064	-.045	-.062	-.095	-.056	-.053	-.034	-.055	-.051

LOWER SURFACE

0.000	1.064	1.044	1.039	1.050	.989	.993	1.053	1.051	1.041	1.060
.005	.658	.714	.728	.734	.704	.714	.607	.647	.643	.577
.015	.043	.057	.083	.096	.017	.067	.072	.086	.091	.061
.030	-.143	-.115	-.125	-.073	-.143	-.176	-.127	-.172	-.186	-.195
.050	-.245	-.253	-.247	-.230	-.261	-.238	-.227	-.234	-.238	-.279
.100	-.288	-.296	-.296	-.287	-.262		-.298	-.299	-.289	-.317
.175	-.306	-.330	-.317	-.287	-.286	-.285	-.356	-.347	-.351	-.373
.250	-.330		-.304	-.328	-.275		-.317	-.322	-.324	
.350	-.310	-.328	-.321	-.300	-.284	-.325	-.326	-.326	-.321	-.309
.450		-.328	-.348	-.296	-.303	-.317	-.323	-.324	-.350	-.302
.550	-.278	-.300	-.258	-.231	-.243	-.272	-.256	-.264	-.270	-.257
.650	-.092	-.044	-.057	-.033	-.047	-.038	-.036	-.075	-.058	-.061
.750		.157	.158	.163	.163	.152	.163	.149	.153	.169
.850	.301	.311	.301	.308	.309	.291	.303	.286	.295	.302
.925	.350	.353	.355	.361	.357	.342	.364	.344	.338	.354
.990	.220	.203	.209	.219	.246	.197	.256	.241	.199	.222

MACH ALPHA CT J CONF NPR RUN POINT
.498 1.013 0.000 0.000 3. 1.39 8. 57.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.004	.980	.975	.958	.875	.878	.960	.981	.981	1.017
.005	-.055	-.110	-.188	-.272	-.565	-.430	-.168	-.100	-.081	.072
.015	-.702	-.802	-.851	-.965	-1.279	-1.273	-1.010	-.850	-.819	
.030	-.976	-1.041	-1.087	-1.231	-1.392	-1.392	-1.209	-1.056	-1.039	-.944
.050	-.924	-.963	-1.008	-1.104	-1.204	-1.167	-1.086	-.980	-.947	
.100	-.690	-.738	-.773	-.804	-.840	-.908	-.795	-.742	-.707	-.699
.175	-.586	-.620	-.625	-.648	-.675	-.687	-.675	-.623	-.634	-.602
.250	-.527	-.560	-.558	-.567	-.586	-.576	-.545	-.579	-.530	-.505
.350	-.488	-.534	-.533	-.496	-.495	-.468	-.495	-.503	-.498	-.491
.450	-.450	-.473	-.452	-.439	-.425	-.327	-.436	-.457	-.460	-.453
.500	-.431	-.445	-.429	-.429	-.321	-.328	-.409	-.429	-.434	-.432
.525	-.440	-.435	-.429	-.415	-.349	-.339	-.401	-.426	-.423	-.423
.550	-.425	-.438	-.406	-.423	-.340	-.336	-.401	-.410		-.422
.650	-.390	-.384	-.382	-.381	-.361	-.348	-.377	-.356	-.381	-.387
.750	-.329	-.323	-.314	-.320	-.345	-.331	-.324	-.323	-.322	-.330
.850	-.229	-.241	-.228	-.218	-.260	-.232	-.217	-.223	-.242	-.224
.950	-.069	-.059	-.065	-.053	-.083	-.046	-.046	-.053	-.048	-.056

LOWER SURFACE

0.000	1.004	.980	.975	.958	.875	.878	.960	.981	.981	1.017
.005	.779	.832	.833	.870	.850	.866	.783	.789	.790	.724
.015	.241	.292	.278	.303	.203	.280	.283	.298	.304	.284
.030	.016	.064	.049	.060	.001	-.022	.030	.010	.024	.004
.050	-.147	-.112	-.106	-.087	-.118	-.116	-.078	-.107	-.085	-.123
.100	-.217	-.192	-.192	-.190	-.183		-.182	-.196	-.185	-.205
.175	-.249	-.251	-.243	-.243	-.226	-.225	-.268	-.286	-.272	-.285
.250	-.285		-.293	-.286	-.228		-.258	-.268	-.276	
.350	-.286	-.289	-.277	-.274	-.241	-.283	-.274	-.278	-.293	-.324
.450		-.289	-.304	-.272	-.265	-.293	-.277	-.299	-.328	-.321
.550	-.257	-.278	-.238	-.226	-.223	-.266	-.220	-.225	-.238	-.237
.650	-.075	-.044	-.039	-.026	-.023	-.037	-.031	-.051	-.050	-.048
.750		.160	.174	.176	.175	.170	.167	.158	.157	.157
.850	.313	.308	.315	.316	.307	.295	.310	.300	.303	.293
.925	.351	.357	.361	.370	.364	.344	.346	.351	.353	.350
.990	.210	.216	.216	.229	.241	.191	.237	.202	.209	.215

MACH ALPHA CT J CONF NPR RUN POINT
.499 3.018 0.000 0.000 3. .99 8. 52.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
.090	.850	.774	.739	.727	.476	.488	.734	.745	.779	.878
.005	-.610	-.658	-.818	-.904	-1.459	-1.215	-.744	-.710	-.625	-.452
.015	-1.305	-1.403	-1.534	-1.641	-2.150	-2.190	-1.693	-1.560	-1.426	
.030	-1.479	-1.568	-1.642	-1.838	-2.043	-1.997	-1.784	-1.614	-1.576	-1.454
.050	-1.280	-1.347	-1.404	-1.543	-1.787	-1.671	-1.510	-1.371	-1.325	
.100	-.874	-.929	-.962	-1.032	-1.066	-1.139	-1.024	-.946	-.908	-.899
.175	-.722	-.740	-.766	-.795	-.791	-.810	-.830	-.783	-.771	-.739
.250	-.630	-.655	-.636	-.654	-.636	-.638	-.634	-.666	-.627	-.607
.350	-.555	-.589	-.578	-.532	-.464	-.460	-.536	-.560	-.565	-.566
.450	-.493	-.503	-.476	-.438	-.309	-.328	-.441	-.495	-.498	-.507
.500	-.479	-.469	-.442	-.416	-.291	-.311	-.404	-.449	-.474	-.485
.525	-.478	-.455	-.439	-.402	-.297	-.299	-.396	-.447	-.452	-.472
.550	-.453	-.447	-.407	-.395	-.282	-.291	-.381	-.424		-.459
.650	-.398	-.396	-.371	-.335	-.256	-.262	-.336	-.347	-.401	-.405
.750	-.326	-.325	-.303	-.268	-.194	-.207	-.268	-.315	-.330	-.334
.850	-.227	-.228	-.216	-.177	-.148	-.157	-.169	-.212	-.235	-.228
.950	-.057	-.055	-.055	-.052	-.088	-.083	-.035	-.047	-.049	-.049

LOWER SURFACE

0.000	.850	.774	.739	.727	.476	.488	.734	.745	.779	.878
.005	.947	1.000	1.005	1.023	1.011	1.006	.974	.976	.960	.926
.015	.525	.576	.595	.606	.537	.552	.573	.569	.584	.569
.030	.284	.341	.329	.328	.256	.215	.307	.285	.290	.259
.050	.105	.133	.142	.135	.077	.076	.150	.133	.165	.118
.100	-.034	-.016	-.012	-.031	-.043		-.034	-.028	-.011	-.029
.175	-.134	-.130	-.122	-.133	-.122	-.116	-.143	-.153	-.158	-.156
.250	-.191		-.186	-.194	-.155		-.160	-.187	-.181	
.350	-.217	-.206	-.218	-.227	-.198	-.245	-.216	-.213	-.217	-.253
.450		-.244	-.266	-.242	-.233	-.264	-.233	-.249	-.272	-.276
.550	-.224	-.241	-.205	-.211	-.204	-.253	-.205	-.212	-.210	-.204
.650	-.051	-.026	-.027	-.029	-.040	-.040	-.034	-.049	-.031	-.035
.750		.169	.164	.163	.160	.150	.160	.158	.168	.164
.850	.318	.321	.323	.305	.284	.276	.293	.295	.309	.305
.925	.363	.365	.366	.346	.321	.316	.327	.346	.349	.349
.990	.222	.215	.211	.184	.142	.083	.201	.199	.204	.209

MACH ALPHA CT J CONF NPR RUN POINT
 .501 3.016 0.000 0.000 3. 1.39 8. 59.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.812	.756	.744	.691	.409	.432	.687	.747	.783	.849
.005	-.683	-.733	-.872	-1.008	-1.566	-1.305	-.847	-.729	-.665	-.493
.015	-1.398	-1.509	-1.589	-1.738	-2.304	-2.318	-1.832	-1.577	-1.517	
.030	-1.536	-1.672	-1.759	-1.915	-2.164	-2.128	-1.870	-1.704	-1.659	-1.513
.050	-1.310	-1.436	-1.507	-1.597	-1.829	-1.702	-1.587	-1.469	-1.400	
.100	-.919	-.992	-1.025	-1.071	-1.123	-1.209	-1.057	-.989	-.959	-.938
.175	-.744	-.790	-.809	-.830	-.844	-.864	-.859	-.818	-.811	-.769
.250	-.647	-.689	-.670	-.696	-.715	-.710	-.672	-.696	-.656	-.618
.350	-.571	-.617	-.622	-.574	-.573	-.554	-.573	-.599	-.590	-.582
.450	-.509	-.527	-.510	-.496	-.394	-.402	-.494	-.525	-.519	-.518
.500	-.493	-.498	-.492	-.478	-.378	-.388	-.460	-.493	-.494	-.497
.525	-.493	-.499	-.475	-.460	-.388	-.384	-.448	-.477	-.492	-.484
.550	-.461	-.487	-.451	-.454	-.377	-.377	-.436	-.461		-.466
.650	-.414	-.422	-.413	-.396	-.389	-.383	-.392	-.388	-.424	-.419
.750	-.342	-.347	-.335	-.343	-.347	-.332	-.343	-.345	-.350	-.347
.850	-.232	-.241	-.232	-.223	-.259	-.229	-.219	-.226	-.244	-.230
.950	-.061	-.056	-.052	-.054	-.090	-.056	-.050	-.040	-.047	-.050

LOWER SURFACE

0.000	.812	.756	.744	.691	.409	.432	.687	.747	.783	.849
.005	.964	1.007	1.003	1.023	1.027	1.018	.999	.980	.985	.940
.015	.552	.603	.604	.643	.565	.595	.615	.601	.597	.589
.030	.341	.357	.341	.375	.283	.257	.349	.301	.297	.306
.050	.147	.160	.153	.163	.106	.101	.172	.159	.159	.128
.100	-.010	-.004	-.007	-.004	-.021		.005	.014	-.009	-.031
.175	-.115	-.104	-.115	-.099	-.098	-.108	-.128	-.126	-.142	-.145
.250	-.175		-.162	-.163	-.141		-.152	-.152	-.163	
.350	-.201	-.199	-.180	-.204	-.167	-.219	-.192	-.201	-.202	-.238
.450		-.230	-.244	-.214	-.213	-.230	-.219	-.231	-.258	-.259
.550	-.217	-.233	-.181	-.176	-.178	-.221	-.170	-.188	-.190	-.196
.650	-.043	-.010	-.002	.005	-.002	-.005	-.001	-.027	-.014	-.023
.750		.189	.188	.189	.192	.191	.184	.183	.190	.176
.850	.323	.339	.340	.331	.328	.324	.323	.317	.312	.317
.925	.372	.381	.371	.374	.385	.375	.364	.362	.366	.352
.990	.219	.212	.225	.222	.255	.186	.252	.220	.203	.211

MACH ALPHA CT J CONF NPR RUN POINT
 .701 .020 0.000 0.000 3. 1.00 8. 32.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.121	1.121	1.117	1.106	1.085	1.091	1.108	1.109	1.112	1.112
.005	.399	.392	.351	.332	.190	.291	.397	.413	.421	.502
.015	-.243	-.297	-.288	-.340	-.548	-.572	-.383	-.318	-.310	
.030	-.696	-.738	-.775	-.874	-1.015	-1.045	-.856	-.773	-.771	-.685
.050	-.804	-.847	-.911	-.981	-1.164	-1.093	-.986	-.867	-.837	
.100	-.669	-.729	-.765	-.813	-.796	-.808	-.756	-.711	-.688	-.661
.175	-.601	-.637	-.645	-.641	-.631	-.655	-.695	-.678	-.673	-.625
.250	-.594	-.604	-.536	-.564	-.566	-.558	-.520	-.573	-.574	-.522
.350	-.500	-.559	-.525	-.479	-.448	-.422	-.475	-.496	-.517	-.516
.450	-.467	-.481	-.449	-.414	-.285	-.279	-.410	-.467	-.474	-.480
.500	-.467	-.452	-.429	-.408	-.283	-.283	-.386	-.433	-.448	-.473
.525	-.474	-.455	-.422	-.400	-.293	-.278	-.384	-.426	-.445	-.465
.550	-.453	-.446	-.408	-.393	-.274	-.269	-.369	-.406		-.453
.650	-.417	-.400	-.390	-.348	-.264	-.258	-.344	-.360	-.394	-.422
.750	-.350	-.342	-.318	-.291	-.219	-.219	-.293	-.330	-.344	-.357
.850	-.239	-.234	-.219	-.195	-.144	-.139	-.191	-.212	-.240	-.235
.950	-.041	-.034	-.033	-.041	-.070	-.054	-.023	-.022	-.026	-.029

LOWER SURFACE

0.000	1.121	1.121	1.117	1.106	1.085	1.091	1.108	1.109	1.112	1.112
.005	.668	.718	.739	.752	.661	.664	.601	.647	.631	.575
.015	.011	.040	.054	.056	-.095	-.012	.027	.063	.063	.069
.030	-.201	-.175	-.187	-.171	-.251	-.306	-.217	-.239	-.222	-.219
.050	-.367	-.353	-.345	-.341	-.360	-.353	-.324	-.335	-.305	-.342
.100	-.406	-.402	-.401	-.408	-.363		-.400	-.411	-.400	-.395
.175	-.452	-.457	-.446	-.435	-.402	-.387	-.475	-.493	-.492	-.483
.250	-.470		-.477	-.466	-.390		-.423	-.448	-.455	
.350	-.440	-.453	-.436	-.445	-.413	-.446	-.442	-.446	-.458	-.472
.450		-.441	-.473	-.429	-.423	-.447	-.435	-.447	-.484	-.459
.550	-.347	-.385	-.343	-.337	-.340	-.375	-.331	-.336	-.350	-.330
.650	-.081	-.071	-.074	-.077	-.077	-.086	-.080	-.095	-.076	-.076
.750		.164	.170	.164	.142	.135	.151	.159	.165	.165
.850	.329	.323	.324	.315	.281	.273	.295	.307	.308	.314
.925	.381	.380	.383	.360	.328	.322	.345	.363	.356	.360
.990	.250	.242	.241	.225	.184	.128	.251	.234	.233	.247

MACH ALPHA CT J CONF NPR RUN POINT
 .702 -.000 0.000 0.000 3. 1.23 2. 44.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.122	1.119	1.117	1.119	1.098	1.100	1.116	1.122	1.122	1.125
.005	.382	.378	.322	.310	.140	.238	.498	.394	.418	.416
.015	-.272	-.306	-.342	-.380	-.578	-.612	-.419	-.351	-.321	-.189
.030	-.715	-.768		-.906	-1.035	-1.079	-.897	-.798	-.772	-.654
.050	-.805	-.885	-.942	-1.009	-1.194	-1.149	-1.055	-.896	-.842	-.759
.100	-.692	-.759	-.786	-.867	-.875	-.820	-.820	-.727	-.700	-.642
.175	-.617	-.651	-.653	-.653	-.662	-.677	-.730	-.694	-.692	-.654
.250	-.574	-.588	-.576	-.606	-.606	-.585	-.556	-.611	-.568	-.552
.350	-.545	-.613	-.581	-.527	-.514	-.487	-.515	-.553	-.548	-.572
.450	-.483	-.498	-.468	-.437	-.322	-.324	-.444	-.484	-.489	-.494
.500	-.477	-.487	-.464	-.431	-.321	-.328	-.418	-.454	-.468	-.477
.525	-.485	-.472	-.449	-.425	-.346	-.333	-.412	-.448	-.459	-.467
.550	-.458	-.462		-.422	-.334	-.328	-.402			-.451
.650	-.418	-.403	-.413	-.385	-.339	-.329	-.384	-.360	-.412	-.417
.750	-.353	-.347	-.330	-.321	-.298	-.292	-.325	-.341	-.345	-.352
.850	-.233	-.234	-.219	-.206	-.202	-.182	-.203	-.212	-.236	-.228
.950	-.035	-.030	-.026	-.016	-.048	-.012	-.009	-.013	-.020	-.019

LOWER SURFACE

0.000	1.122	1.119	1.117	1.119	1.098	1.100	1.116	1.122	1.122	1.125
.005		.730	.739	.743	.671	.663	.639	.664	.674	.582
.015	.009	.042	.060	.069	-.056	-.026	.065	.072	.100	.094
.030	-.174	-.159	-.161		-.226	-.272	-.198	-.216	-.188	-.211
.050	-.340	-.329	-.323	-.333	-.333	-.332	-.311	-.310	-.286	-.331
.100	-.403	-.390	-.396	-.388	-.337	-.337	-.380	-.385	-.379	-.382
.175	-.447	-.442	-.428	-.414	-.382	-.399	-.455	-.464	-.474	-.468
.250	-.495	-.474	-.468	-.474	-.374	-.406	-.412	-.423	-.437	-.461
.350	-.443	-.412	-.436	-.443	-.402	-.436	-.432	-.423	-.463	-.455
.450		-.430	-.445		-.403	-.422	-.415	-.423	-.456	
.550	-.341	-.379	-.321	-.312	-.306	-.335	-.303	-.311	-.324	-.308
.650	-.069	-.053	-.053	-.049	-.049	-.056		-.065	-.058	-.057
.750	.178	.181	.181	.177	.168	.163	.170	.173	.176	.175
.850	.328	.333	.320	.315	.301	.293	.305	.308	.318	.308
.925	.376	.384	.369	.363	.353	.343	.352	.359	.371	.355
.990	.249	.250	.243	.247	.247	.203	.265	.238	.242	.243

MACH ALPHA CT J CONF NPR RUN POINT
 .704 -.013 0.000 0.000 3. 1.81 2. 48.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.119	1.117	1.117	1.117	1.096	1.097	1.114	1.120	1.120	1.121
.005	.394	.371	.328	.311	.124	.219	.499	.396	.417	.416
.015	-.265	-.325	-.330	-.380	-.582	-.618	-.410	-.338	-.323	-.235
.030	-.712	-.784		-.917	-1.041	-1.094	-.898	-.802	-.784	-.674
.050	-.847	-.898	-.950	-1.023	-1.209	-1.171	-1.056	-.908	-.809	-.790
.100	-.705	-.777	-.800	-.896	-.934	-.842	-.829	-.737	-.720	-.650
.175	-.618	-.656	-.665	-.671	-.683	-.697	-.749	-.708	-.704	-.659
.250	-.584	-.601	-.593	-.631	-.639	-.613	-.575	-.624	-.597	-.556
.350	-.559	-.627	-.603	-.558	-.584	-.556	-.544	-.572	-.560	-.577
.450	-.490	-.510	-.481	-.453	-.323	-.328	-.458	-.497	-.499	-.501
.500	-.485	-.500	-.476	-.442	-.304	-.307	-.429	-.467	-.480	-.484
.525	-.494	-.483	-.464	-.437	-.335	-.319	-.421	-.462	-.472	-.474
.550	-.466	-.474		-.436	-.338	-.328	-.412			-.458
.650	-.423	-.418	-.428	-.408	-.386	-.370	-.403	-.372	-.426	-.422
.750	-.357	-.357	-.345	-.346	-.354	-.344	-.347	-.354	-.354	-.355
.850	-.235	-.239	-.230	-.224	-.247	-.220	-.219	-.221	-.240	-.229
.950	-.035	-.032	-.030	-.021	-.053	-.015	-.012	-.014	-.021	-.019

LOWER SURFACE

0.000	1.119	1.117	1.117	1.117	1.096	1.097	1.114	1.120	1.120	1.121
.005		.734	.746	.751	.690	.687	.620	.677	.663	.592
.015	.039	.044	.084	.081	-.050	-.026	.064	.091	.091	.098
.030	-.184	-.160	-.157		-.214	-.280	-.193	-.207	-.197	-.221
.050	-.351	-.314	-.314	-.304	-.325	-.328	-.307	-.293	-.289	-.327
.100	-.409	-.384	-.383	-.385	-.333	-.330	-.383	-.377	-.379	-.388
.175	-.438	-.435	-.428	-.413	-.372	-.395	-.451	-.458	-.466	-.467
.250	-.493	-.468	-.468	-.468	-.365	-.401	-.410	-.412	-.428	-.459
.350	-.443	-.406	-.435	-.434	-.395	-.429	-.428	-.416	-.458	-.451
.450		-.424	-.442		-.393	-.410	-.409	-.417	-.450	
.550	-.341	-.375	-.316	-.304	-.294	-.325	-.295	-.306	-.318	-.306
.650	-.067	-.049	-.047	-.041	-.036	-.044		-.060	-.053	-.056
.750	.180	.185	.185	.185	.177	.174	.177	.179	.182	.175
.850	.330	.335	.324	.321	.310	.301	.308	.311	.322	.307
.925	.378	.385	.370	.370	.364	.354	.356	.361	.372	.356
.990	.249	.248	.246	.253	.265	.221	.270	.241	.245	.243

MACH ALPHA CT J CONF NPR RUN POINT
.703 .995 0.000 0.000 3. 1.81 2. 49.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.106	1.095	1.094	1.093	1.049	1.054	1.086	1.100	1.103	1.107
.005	.222	.198	.140	.121	-.098	.023	.347	.222	.251	.245
.015	-.466	-.519	-.541	-.581	-.830	-.872	-.633	-.552	-.523	-.347
.030	-.961	-1.012		-1.114	-1.273	-1.316	-1.110	-1.030	-1.020	-.948
.050	-1.051	-1.144	-1.195	-1.271	-1.464	-1.453	-1.302	-1.162	-1.127	-1.021
.100	-.911	-1.085	-1.147	-1.271	-1.398	-1.275	-1.224	-1.033	-.961	-.821
.175	-.683	-.685	-.676	-.589	-.676	-.725	-.735	-.752	-.793	-.752
.250	-.645	-.658	-.631	-.667	-.671	-.653	-.624	-.676	-.621	-.591
.350	-.609	-.675	-.643	-.595	-.619	-.590	-.584	-.621	-.612	-.623
.450	-.519	-.541	-.511	-.480	-.346	-.349	-.485	-.527	-.533	-.529
.500	-.508	-.523	-.500	-.465	-.324	-.327	-.451	-.492	-.505	-.508
.525	-.514	-.504	-.483	-.460	-.355	-.338	-.443	-.481	-.494	-.496
.550	-.485	-.495		-.456	-.355	-.345	-.431			-.476
.650	-.432	-.427	-.436	-.419	-.392	-.379	-.414	-.381	-.434	-.434
.750	-.359	-.358	-.346	-.350	-.358	-.346	-.350	-.354	-.356	-.356
.850	-.232	-.234	-.225	-.224	-.247	-.218	-.216	-.217	-.233	-.227
.950	-.033	-.027	-.027	-.019	-.054	-.015	-.010	-.012	-.017	-.019

LOWER SURFACE

0.000	1.106	1.095	1.094	1.093	1.049	1.054	1.086	1.100	1.103	1.107
.005		.839	.847	.865	.820	.827	.773	.806	.799	.720
.015	.201	.240	.244	.265	.141	.183	.238	.254	.258	.273
.030	-.013	.007	.010		-.058	-.097	-.028	-.038	-.030	-.025
.050	-.188	-.162	-.156	-.165	-.187	-.194	-.156	-.150	-.145	-.173
.100	-.285	-.263	-.260	-.271	-.239	-.238	-.256	-.257	-.263	-.271
.175	-.355	-.347	-.340	-.327	-.301	-.319	-.362	-.370	-.380	-.372
.250	-.419	-.396	-.392	-.400	-.306	-.343	-.348	-.353	-.366	-.387
.350	-.391	-.360	-.375	-.385	-.349	-.385	-.376	-.368	-.409	-.402
.450		-.391	-.406		-.362	-.380	-.370	-.385	-.415	
.550	-.320	-.355	-.296	-.283	-.277	-.309	-.273	-.285	-.297	-.285
.650	-.059	-.037	-.037	-.031	-.028	-.036		-.049	-.043	-.046
.750	.185	.194	.194	.193	.190	.185	.187	.187	.189	.183
.850	.336	.344	.337	.332	.328	.319	.323	.324	.330	.318
.925	.383	.393	.382	.378	.382	.369	.366	.371	.378	.364
.990	.246	.248	.247	.249	.267	.220	.270	.239	.242	.241

MACH ALPHA CT J CONF N C RUN POINT
 .698 2.523 0.000 0.000 3. 1.0 8. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.055	1.024	1.025	1.023	.929	.930	1.019	1.023	1.030	1.047
.005	-.003	-.030	-.087	-.123	-.369	-.237	-.022	.004	.017	.100
.015	-.695	-.766	-.775	-.814	-1.107	-1.143	-.885	-.808	-.785	
.030	-1.172	-1.230	-1.234	-1.322	-1.550	-1.562	-1.334	-1.276	-1.273	-1.198
.050	-1.354	-1.405	-1.457	-1.509	-1.698	-1.695	-1.532	-1.462	-1.443	
.100	-1.347	-1.430	-1.485	-1.572	-1.655	-1.637	-1.551	-1.468	-1.414	-1.382
.175	-.934	-1.293	-1.336	-1.436	-1.135	-.950	-1.386	-1.292	-1.245	-.790
.250	-.634	-.575	-.524	-.537	-.593	-.670	-.526	-.565	-.559	-.611
.350	-.595	-.614	-.585	-.514	-.465	-.442	-.516	-.562	-.583	-.605
.450	-.532	-.534	-.492	-.447	-.318	-.316	-.441	-.512	-.529	-.546
.500	-.515	-.503	-.467	-.439	-.308	-.308	-.414	-.474	-.503	-.521
.525	-.518	-.491	-.460	-.430	-.316	-.305	-.410	-.465	-.486	-.510
.550	-.482	-.484	-.437	-.411	-.303	-.296	-.385	-.441		-.485
.650	-.429	-.414	-.403	-.357	-.277	-.273	-.346	-.371	-.407	-.435
.750	-.349	-.328	-.311	-.277	-.221	-.218	-.269	-.318	-.334	-.357
.850	-.228	-.217	-.197	-.163	-.144	-.139	-.148	-.188	-.219	-.227
.950	-.029	-.026	-.026	-.027	-.063	-.052	-.015	-.014	-.017	-.019

LOWER SURFACE

0.000	1.055	1.024	1.025	1.023	.929	.930	1.019	1.023	1.030	1.047
.005	.910	.960	.969	.974	.965	.956	.905	.921	.914	.869
.015	.399	.448	.458	.451	.373	.412	.446	.464	.457	.456
.030	.167	.227	.203	.209	.123	.086	.172	.148	.177	.154
.050	-.013	.015	.021	.000	-.047	-.043	.022	.016	.040	.005
.100	-.145	-.119	-.125	-.144	-.130		-.134	-.118	-.127	-.132
.175	-.248	-.231	-.236	-.231	-.218	-.214	-.267	-.274	-.274	-.276
.250	-.312		-.309	-.301	-.242		-.274	-.294	-.282	
.350	-.329	-.320	-.320	-.327	-.288	-.336	-.325	-.328	-.330	-.362
.450		-.347	-.374	-.347	-.332	-.357	-.352	-.363	-.390	-.379
.550	-.289	-.339	-.296	-.284	-.283	-.325	-.283	-.282	-.295	-.285
.650	-.065	-.049	-.051	-.046	-.047	-.058	-.051	-.062	-.045	-.051
.750		.189	.187	.186	.163	.158	.167	.178	.179	.188
.850	.345	.341	.340	.329	.305	.305	.318	.323	.328	.332
.925	.400	.389	.397	.374	.360	.343	.365	.375	.378	.379
.990	.250	.235	.237	.207	.184	.120	.233	.221	.231	.236

MACH ALPHA CT J CONF NPR RUN JOINT
 .701 2.489 0.000 0.000 3. 1.23 2. 45.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.047	1.027	1.026	1.021	.927	.933	1.012	1.035	1.040	1.055
.005	-.014	-.026	-.103	-.124	-.436	-.281	.146	-.002	.019	.018
.015	-.712	-.766	-.786	-.825	-1.122	-1.168	-.887	-.806	-.784	-.565
.030	-1.192	-1.230		-1.333	-1.552	-1.590	-1.338	-1.275	-1.260	-1.189
.050	-1.383	-1.410	-1.459	-1.521	-1.713	-1.708	-1.549	-1.451	-1.427	-1.337
.100	-1.383	-1.451	-1.496	-1.591	-1.7	-1.726	-1.581	-1.461	-1.415	-1.331
.175	-1.195	-1.317	-1.353	-1.444	-1.540	-1.178	-1.444	-1.319	-1.245	-1.038
.250	-.634	-.530	-.512	-.543	-.632	-.730	-.569	-.580	-.525	-.616
.350	-.628	-.655	-.611	-.543	-.511	-.490	-.546	-.594	-.608	-.659
.450	-.539	-.545	-.511	-.476	-.364	-.369	-.485	-.533	-.541	-.554
.500	-.524	-.529	-.501	-.465	-.357	-.365	-.452	-.495	-.512	-.528
.525	-.528	-.508	-.485	-.457	-.376	-.366	-.444	-.486	-.499	-.515
.550	-.498	-.495		-.449	-.365	-.359	-.430			-.494
.650	-.437	-.422	-.426	-.397	-.356	-.346	-.394	-.375	-.431	-.440
.750	-.355	-.348	-.331	-.318	-.300	-.289	-.319	-.342	-.347	-.358
.850	-.222	-.223	-.211	-.194	-.196	-.174	-.188	-.204	-.225	-.221
.950	-.028	-.022	-.024	-.016	-.044	-.015	-.006	-.010	-.013	-.014

LOWER SURFACE

0.000	1.047	1.027	1.026	1.021	.927	.933	1.012	1.035	1.040	1.055
.005		.965	.962	.974	.964	.969	.921	.933	.929	.879
.015	.420	.446	.459	.468	.394	.409	.472	.470	.463	.488
.030	.182	.213	.214		.148	.099	.192	.168	.184	.162
.050	-.001	.028	.037	.024	-.016	-.032	.034	.040	.051	.015
.100	-.128	-.115	-.116	-.127	-.112	-.118	-.122	-.110	-.108	-.123
.175	-.235	-.226	-.226	-.221	-.201	-.208	-.249	-.248	-.255	-.250
.250	-.311	-.301	-.298	-.313	-.229	-.247	-.259	-.259	-.273	-.297
.350	-.320	-.294	-.301	-.318	-.280	-.321	-.308	-.296	-.338	-.338
.450		-.340	-.359		-.318	-.338	-.325	-.334	-.363	
.550	-.293	-.323	-.264	-.258	-.254	-.288	-.249	-.255	-.267	-.259
.650	-.049	-.022	-.025	-.020	-.021	-.030		-.038	-.028	-.034
.750	.192	.201	.200	.200	.194	.191	.192	.192	.198	.191
.850	.348	.353	.348	.342	.336	.328	.332	.332	.341	.328
.925	.393	.398	.392	.375	.384	.374	.375	.380	.386	.373
.990	.245	.245	.245	.247	.248	.195	.265	.238	.240	.237

MACH ALPHA CT J CONF NFR RUN POINT
 .701 2.482 0.000 0.000 3. 1.81 2. 51.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.045	1.024	1.018	1.024	.929	.939	1.015	1.031	1.041	1.048
.005	-.019	-.030	-.102	-.131	-.443	-.279	.145	-.010	.024	.015
.015	-.721	-.754	-.792	-.824	-1.121	-1.163	-.891	-.817	-.762	-.608
.030	-1.191	-1.229		-1.334	-1.544	-1.582	-1.345	-1.276	-1.257	-1.197
.050	-1.380	-1.408	-1.464	-1.522	-1.706	-1.698	-1.552	-1.456	-1.424	-1.363
.100	-1.389	-1.457	-1.514	-1.586	-1.710	-1.735	-1.582	-1.472	-1.415	-1.353
.175	-1.227	-1.322	-1.372	-1.452	-1.609	-1.247	-1.471	-1.349	-1.260	-1.150
.250	-.624	-.537	-.548	-.565	-.657	-.758	-.599	-.599	-.542	-.604
.350	-.632	-.660	-.618	-.555	-.569	-.553	-.560	-.601	-.615	-.667
.450	-.543	-.554	-.521	-.488	-.365	-.374	-.496	-.543	-.550	-.558
.500	-.527	-.537	-.512	-.475	-.336	-.349	-.461	-.505	-.521	-.530
.525	-.532	-.518	-.495	-.466	-.366	-.355	-.452	-.496	-.509	-.518
.550	-.502	-.504		-.462	-.364	-.357	-.440			-.499
.650	-.441	-.431	-.441	-.417	-.387	-.381	-.412	-.387	-.441	-.444
.750	-.358	-.356	-.343	-.341	-.351	-.338	-.341	-.352	-.355	-.360
.850	-.224	-.228	-.219	-.212	-.235	-.205	-.205	-.211	-.229	-.222
.950	-.029	-.025	-.025	-.019	-.048	-.012	-.009	-.010	-.016	-.015

LOWER SURFACE

0.000	1.045	1.024	1.018	1.024	.929	.939	1.015	1.031	1.041	1.048
.005		.958	.965	.976	.970	.968	.932	.929	.935	.874
.015	.427	.447	.466	.480	.392	.413	.477	.471	.477	.492
.030	.190	.205	.216		.145	.101	.208	.174	.183	.178
.050	.011	.030	.033	.033	-.015	-.025	.048	.035	.062	.016
.100	-.127	-.111	-.100	-.119	-.115	-.112	-.109	-.110	-.105	-.122
.175	-.232	-.231	-.218	-.213	-.199	-.197	-.244	-.250	-.248	-.244
.250	-.306	-.296	-.296	-.306	-.226	-.242	-.257	-.261	-.267	-.292
.350	-.317	-.294	-.300	-.314	-.278	-.313	-.303	-.296	-.335	-.333
.450		-.335	-.351		-.309	-.327	-.319	-.328	-.358	
.550	-.290	-.320	-.259	-.249	-.247	-.278	-.241	-.251	-.262	-.257
.650	-.045	-.019	-.018	-.012	-.012	-.019		-.033	-.025	-.031
.750	.195	.204	.207	.206	.204	.201	.200	.197	.201	.194
.850	.350	.356	.352	.349	.345	.337	.339	.336	.341	.330
.925	.393	.401	.397	.394	.397	.384	.381	.383	.387	.375
.990	.245	.247	.249	.250	.265	.213	.274	.240	.241	.239

MACH ALPHA CT J CONF NPR RUN POINT
 .700 3.002 0.000 0.000 3. 1.81 2. 52.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.020	.992	.983	.984	.867	.876	.982	.999	1.010	1.019
.005	-.095	-.107	-.190	-.227	-.568	-.389	.076	-.088	-.055	-.061
.015	-.795	-.843	-.879	-.911	-1.227	-1.267	-.978	-.903	-.865	-.679
.030	-1.254	-1.301		-1.407	-1.642	-1.687	-1.416	-1.345	-1.326	-1.259
.050	-1.454	-1.485	-1.529	-1.593	-1.762	-1.759	-1.620	-1.529	-1.503	-1.430
.100	-1.484	-1.536	-1.583	-1.635	-1.797	-1.819	-1.622	-1.545	-1.504	-1.435
.175	-1.339	-1.430	-1.471	-1.568	-1.734	-1.358	-1.589	-1.457	-1.383	-1.279
.250	-.553	-.950	-1.032	-.915	-.794	-.937	-.812	-.889	-.908	-.518
.350	-.614	-.609	-.564	-.520	-.560	-.556	-.528	-.557	-.573	-.655
.450	-.544	-.543	-.509	-.479	-.370	-.379	-.487	-.531	-.540	-.562
.500	-.528	-.532	-.504	-.467	-.338	-.345	-.456	-.499	-.516	-.534
.525	-.535	-.511	-.488	-.462	-.361	-.348	-.448	-.491	-.505	-.522
.550	-.502	-.501		-.456	-.358	-.350	-.434			-.500
.650	-.440	-.429	-.436	-.410	-.385	-.369	-.403	-.383	-.440	-.444
.750	-.357	-.350	-.336	-.335	-.340	-.323	-.331	-.344	-.351	-.360
.850	-.223	-.223	-.211	-.205	-.226	-.196	-.195	-.203	-.224	-.222
.950	-.029	-.022	-.025	-.019	-.048	-.013	-.008	-.009	-.014	-.014

LOWER SURFACE

0.000	1.020	.992	.983	.984	.867	.876	.982	.999	1.010	1.019
.005		.993	.995	1.004	1.010	1.002	.967	.974	.967	.919
.015	.481	.509	.528	.542	.468	.483	.538	.539	.533	.551
.030	.248	.273	.280		.211	.164	.266	.238	.238	.241
.050	.065	.094	.095	.084	.036	.024	.103	.100	.107	.080
.100	-.082	-.063	-.060	-.074	-.072	-.075	-.061	-.061	-.064	-.071
.175	-.192	-.187	-.174	-.177	-.163	-.171	-.203	-.207	-.211	-.205
.250	-.270	-.265	-.260	-.275	-.197	-.218	-.224	-.229	-.236	-.263
.350	-.292	-.267	-.266	-.289	-.251	-.293	-.277	-.271	-.311	-.311
.450		-.315	-.329		-.291	-.311	-.300	-.312	-.339	
.550	-.280	-.306	-.244	-.237	-.233	-.268	-.229	-.241	-.252	-.247
.650	-.039	-.011	-.010	-.005	-.003	-.015		-.027	-.018	-.025
.750	.200	.211	.210	.212	.210	.204	.202	.203	.207	.199
.850	.355	.361	.357	.354	.352	.343	.343	.342	.346	.334
.925	.399	.406	.402	.399	.403	.388	.384	.389	.393	.376
.990	.247	.247	.248	.250	.269	.209	.271	.241	.242	.238

MACH ALPHA CT J CONF NPR RUN POINT
 .750 .025 0.000 0.000 3. .99 8. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.138	1.139	1.140	1.128	1.112	1.116	1.130	1.131	1.130	1.131
.005	.480	.489	.439	.403	.288	.378	.467	.483	.509	.569
.015	-.165	-.186	-.191	-.230	-.415	-.441	-.272	-.215	-.192	
.030	-.631	-.652	-.668	-.746	-.857	-.899	-.725	-.678	-.681	-.616
.050	-.779	-.790	-.831	-.875	-1.048	-1.028	-.920	-.837	-.822	
.100	-.751	-.849	-.895	-1.007	-1.089	-.971	-.934	-.824	-.774	-.720
.175	-.684	-.752	-.751	-.834	-.783	-.957	-.782	-.764	-.776	-.719
.250	-.691	-.692	-.559	-.539	-.564	-.575	-.554	-.696	-.710	-.578
.350	-.543	-.576	-.557	-.501	-.477	-.447	-.494	-.521	-.532	-.563
.450	-.504	-.510	-.467	-.425	-.299	-.294	-.423	-.489	-.507	-.520
.500	-.495	-.479	-.452	-.419	-.284	-.288	-.396	-.457	-.478	-.500
.525	-.500	-.479	-.445	-.410	-.307	-.292	-.393	-.447	-.471	-.489
.550	-.476	-.473	-.425	-.406	-.279	-.277	-.378	-.436		-.475
.650	-.432	-.417	-.403	-.360	-.268	-.263	-.356	-.373	-.410	-.438
.750	-.356	-.337	-.318	-.288	-.21	-.218	-.289	-.329	-.341	-.360
.850	-.229	-.230	-.210	-.184	-.137	-.132	-.178	-.202	-.234	-.222
.950	-.021	-.015	-.023	-.024	-.051	-.039	-.005	-.011	-.006	-.010

LOWER SURFACE

0.000	1.138	1.139	1.140	1.128	1.112	1.116	1.130	1.131	1.130	1.131
.005	.684	.736	.741	.742	.662	.663	.610	.671	.653	.596
.015	.015	.058	.047	.035	-.098	-.040	.052	.073	.069	.091
.030	-.194	-.159	-.176	-.160	-.259	-.323	-.216	-.16	-.223	-.220
.050	-.368	-.356	-.362	-.370	-.377	-.380	-.341	-.3	-.323	-.359
.100	-.442	-.433	-.435	-.442	-.384		-.437	-.418	-.426	-.437
.175	-.507	-.506	-.502	-.479	-.446	-.445	-.540	-.564	-.559	-.566
.250	-.548		-.543	-.530	-.435		-.480	-.509	-.515	
.350	-.495	-.500	-.487	-.500	-.469	-.504	-.505	-.508	-.512	-.535
.450		-.503	-.517	-.502	-.475	-.503	-.504	-.514	-.540	-.514
.550	-.378	-.405	-.363	-.365	-.357	-.392	-.360	-.366	-.367	-.352
.650	-.083	-.061	-.067	-.072	-.080	-.077	-.076	-.082	-.070	-.063
.750		.186	.184	.161	.145	.144	.159	.163	.171	.177
.850	.340	.324	.329	.314	.287	.276	.302	.313	.317	.313
.925	.394	.385	.387	.370	.344	.323	.352	.371	.365	.369
.990	.268	.251	.253	.237	.188	.142	.254	.243	.248	.245

MACH ALPHA CT J CONF NPR RUN PCINT
 .751 .009 0.000 0.000 3. 1.40 8. 26.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.142	1.139	1.140	1.128	1.112	1.115	1.131	1.134	1.131	1.133
.005	.470	.469	.417	.411	.287	.369	.475	.472	.485	.561
.015	-.159	-.191	-.214	-.228	-.412	-.442	-.275	-.235	-.210	
.030	-.616	-.673	-.685	-.749	-.864	-.897	-.733	-.693	-.707	-.619
.050	-.774	-.802	-.838	-.872	-1.063	-1.044	-.916	-.850	-.833	
.100	-.746	-.867	-.912	-1.023	-1.106	-.999	-.960	-.850	-.804	-.719
.175	-.690	-.783	-.808	-.881	-1.029	-1.067	-.799	-.792	-.787	-.718
.250	-.702	-.733	-.615	-.529	-.575	-.602	-.670	-.739	-.752	-.594
.350	-.546	-.608	-.599	-.542	-.549	-.518	-.532	-.551	-.552	-.566
.450	-.521	-.528	-.502	-.470	-.358	-.362	-.468	-.527	-.527	-.537
.500	-.510	-.502	-.481	-.467	-.337	-.343	-.442	-.488	-.499	-.515
.525	-.518	-.497	-.478	-.458	-.369	-.351	-.439	-.481	-.490	-.504
.550	-.493	-.495	-.456	-.463	-.354	-.347	-.434	-.459		-.489
.650	-.449	-.448	-.432	-.415	-.363	-.348	-.409	-.399	-.442	-.451
.750	-.365	-.353	-.344	-.342	-.316	-.301	-.340	-.354	-.356	-.370
.850	-.232	-.229	-.218	-.206	-.204	-.181	-.198	-.209	-.234	-.221
.950	-.027	-.015	-.010	-.012	-.025	.001	-.001	.004	-.006	-.015

LOWER SURFACE

0.000	1.142	1.139	1.140	1.128	1.112	1.115	1.131	1.134	1.131	1.133
.005	.686	.751	.744	.758	.673	.668	.621	.676	.653	.613
.015	.027	.087	.057	.064	-.079	-.015	.072	.089	.080	.096
.030	-.188	-.148	-.167	-.161	-.239	-.306	-.198	-.215	-.215	-.219
.050	-.370	-.337	-.345	-.353	-.356	-.362	-.325	-.316	-.317	-.342
.100	-.437	-.423	-.422	-.434	-.375		-.431	-.416	-.413	-.433
.175	-.500	-.497	-.479	-.473	-.429	-.435	-.524	-.546	-.551	-.552
.250	-.539		-.522	-.513	-.426		-.475	-.491	-.504	
.350	-.483	-.486	-.476	-.484	-.451	-.488	-.489	-.485	-.499	-.521
.450		-.481	-.495	-.467	-.456	-.479	-.475	-.489	-.522	-.500
.550	-.357	-.385	-.343	-.338	-.329	-.366	-.335	-.353	-.352	-.340
.650	-.073	-.043	-.050	-.047	-.048	-.052	-.051	-.066	-.062	-.061
.750		.191	.190	.186	.174	.167	.180	.180	.182	.181
.850	.338	.339	.341	.327	.312	.290	.315	.322	.319	.325
.925	.391	.390	.390	.385	.367	.350	.367	.382	.374	.371
.990	.267	.265	.260	.261	.263	.205	.285	.257	.248	.259

MACH ALPHA CT J CONF NPR RUN POINT
 .752 -.009 0.000 0.000 3. 1.81 2. 30.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.143	1.139	1.140	1.140	1.120	1.121	1.137	1.140	1.141	1.144
.005	.463	.454	.411	.401	.257	.342	.576	.471	.487	.489
.015	-.177	-.219	-.216	-.239	-.424	-.462	-.268	-.232	-.233	-.085
.030	-.639	-.687		-.771	-.869	-.925	-.752	-.692	-.709	-.600
.050	-.799	-.820	-.852	-.884	-1.063	-1.046	-.933	-.849	-.832	-.755
.100	-.805	-.890	-.939	-1.034	-1.136	-1.095	-.980	-.860	-.788	-.685
.175	-.692	-.797	-.853	-.890	-1.130	-1.119	-.798	-.817	-.786	-.718
.250	-.643	-.640	-.574	-.546	-.608	-.610	-.683	-.762	-.756	-.729
.350	-.657	-.752	-.725	-.657	-.661	-.612	-.595	-.642	-.616	-.650
.450	-.518	-.531	-.501	-.467	-.323	-.327	-.472	-.521	-.526	-.533
.500	-.513	-.523	-.495	-.453	-.304	-.307	-.437	-.485	-.502	-.512
.525	-.524	-.505	-.483	-.452	-.349	-.323	-.433	-.479	-.493	-.502
.550	-.495	-.499		-.452	-.346	-.334	-.424			-.483
.650	-.443	-.434	-.447	-.425	-.400	-.387	-.420	-.389	-.439	-.442
.750	-.366	-.361	-.353	-.354	-.360	-.350	-.353	-.361	-.359	-.361
.850	-.229	-.229	-.220	-.215	-.235	-.207	-.208	-.211	-.229	-.221
.950	-.018	-.012	-.010	-.003	-.034	.003	.007	.006	-.001	-.000

LOWER SURFACE

0.000	1.143	1.139	1.140	1.140	1.120	1.121	1.137	1.140	1.141	1.144
.005		.743	.749	.759	.678	.673	.623	.678	.659	.615
.015	.044	.061	.074	.080	-.076	-.037	.064	.082	.091	.125
.030	-.173	-.158	-.161		-.236	-.311	-.197	-.218	-.203	-.200
.050	-.356	-.332	-.341	-.339	-.348	-.359	-.322	-.317	-.307	-.351
.100	-.437	-.413	-.421	-.425	-.360	-.362	-.408	-.410	-.409	-.412
.175	-.482	-.481	-.479	-.450	-.415	-.451	-.516	-.525	-.531	-.518
.250	-.562	-.531	-.529	-.533	-.411	-.445	-.458	-.471	-.486	-.506
.350	-.498	-.459	-.491	-.493	-.454	-.495	-.486	-.488	-.519	-.509
.450		-.475	-.490		-.444	-.461	-.457	-.468	-.500	
.550	-.356	-.392	-.334	-.325	-.313	-.338	-.314	-.325	-.337	-.324
.650	-.057	-.041	-.041	-.036	-.031	-.037		-.051	-.047	-.049
.750	.191	.195	.194	.190	.179	.174	.183	.183	.188	.182
.850	.336	.343	.329	.322	.305	.298	.309	.312	.324	.310
.925	.386	.395	.378	.371	.361	.352	.359	.362	.377	.361
.990	.266	.263	.259	.262	.273	.232	.281	.252	.255	.254

MACH ALPHA CT J CONF NPR RUN POINT
 .749 1.010 0.000 0.000 3. 1.40 8. 27.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.137	1.125	1.126	1.117	1.085	1.089	1.116	1.121	1.122	1.128
.005	.342	.329	.289	.260	.096	.206	.331	.346	.351	.430
.015	-.302	-.357	-.356	-.388	-.613	-.647	-.443	-.384	-.378	
.030	-.797	-.832	-.824	-.907	-1.051	-1.080	-.906	-.850	-.874	-.807
.050	-.922	-.965	-1.009	-1.078	-1.241	-1.240	-1.104	-1.008	-.994	
.100	-1.005	-1.055	-1.083	-1.182	-1.267	-1.319	-1.154	-1.051	-1.032	-1.001
.175	-.960	-1.042	-1.090	-1.183	-1.312	-1.331	-1.157	-1.055	-1.018	-.882
.250	-.885	-1.088	-1.085	-1.061	-.841	-.812	-1.067	-.993	-.998	-.820
.350	-.560	-.494	-.486	-.458	-.504	-.502	-.462	-.446	-.466	-.563
.450	-.527	-.514	-.491	-.464	-.354	-.365	-.468	-.521	-.518	-.545
.500	-.524	-.507	-.481	-.466	-.341	-.353	-.444	-.489	-.509	-.528
.525	-.526	-.505	-.480	-.459	-.376	-.363	-.443	-.484	-.500	-.514
.550	-.500	-.508	-.459	-.469	-.341	-.339	-.443	-.471		-.499
.650	-.454	-.450	-.432	-.415	-.371	-.357	-.409	-.403	-.442	-.460
.750	-.363	-.358	-.341	-.343	-.318	-.304	-.341	-.352	-.360	-.369
.850	-.226	-.237	-.209	-.206	-.202	-.180	-.198	-.203	-.240	-.222
.950	-.030	-.001	-.011	-.013	-.021	.002	-.005	-.000	.010	-.017

LOWER SURFACE

0.000	1.137	1.125	1.126	1.117	1.085	1.089	1.116	1.121	1.122	1.128
.005	.786	.852	.843	.866	.809	.806	.745	.788	.777	.719
.015	.180	.244	.219	.237	.114	.68	.233	.247	.247	.245
.030	-.038	-.000	-.019	.002	-.076	-.132	-.042	-.046	-.038	-.052
.050	-.216	-.192	-.196	-.196	-.216	-.229	-.181	-.167	-.161	-.193
.100	-.311	-.302	-.287	-.307	-.279		-.303	-.293	-.290	-.307
.175	-.393	-.389	-.394	-.369	-.341	-.344	-.419	-.428	-.434	-.442
.250	-.448		-.449	-.428	-.355		-.399	-.417	-.419	
.350	-.429	-.435	-.426	-.425	-.389	-.430	-.430	-.428	-.444	-.469
.450		-.443	-.455	-.428	-.415	-.439	-.431	-.453	-.475	-.462
.550	-.344	-.367	-.322	-.311	-.310	-.352	-.311	-.326	-.326	-.318
.650	-.064	-.038	-.042	-.041	-.037	-.042	-.048	-.055	-.055	-.046
.750		.198	.201	.200	.190	.181	.190	.183	.194	.197
.850	.351	.351	.354	.346	.329	.304	.332	.348	.330	.334
.925	.403	.400	.403	.396	.384	.367	.386	.388	.385	.382
.990	.262	.261	.263	.268	.269	.202	.286	.257	.251	.255

MACH ALPHA CT J CONF NPR RUN POINT
 .752 2.518 0.000 0.000 3. .99 8. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.099	1.080	1.086	1.075	1.009	1.015	1.075	1.082	1.079	1.092
.005	.164	.165	.105	.067	-.145	-.005	.155	.176	.190	.258
.015	-.497	-.522	-.540	-.573	-.831	-.863	-.635	-.572	-.547	
.030	-.942	-.968	-.984	-1.058	-1.248	-1.265	-1.068	-1.020	-1.016	-.960
.050	-1.123	-1.145	-1.181	-1.254	-1.416	-1.419	-1.274	-1.190	-1.184	
.100	-1.175	-1.226	-1.253	-1.363	-1.449	-1.483	-1.342	-1.240	-1.217	-1.194
.175	-1.169	-1.234	-1.265	-1.352	-1.522	-1.492	-1.331	-1.254	-1.219	-1.130
.250	-1.207	-1.297	-1.307	-1.280	-1.365	-1.103	-1.276	-1.281	-1.255	-1.148
.350	-.624	-1.203	-.785	-.672	-.598	-.625	-.496	-.833	-1.162	-.586
.450	-.428	-.410	-.344	-.359	-.319	-.331	-.365	-.366	-.387	-.455
.500	-.449	-.377	-.358	-.370	-.284	-.287	-.360	-.383	-.388	-.467
.525	-.468	-.386	-.368	-.375	-.288	-.278	-.367	-.388	-.396	-.466
.550	-.460	-.402	-.372	-.376	-.276	-.273	-.355	-.388		-.468
.650	-.436	-.397	-.372	-.347	-.254	-.246	-.335	-.342	-.394	-.443
.750	-.360	-.32	-.289	-.279	-.206	-.198	-.263	-.296	-.330	-.369
.850	-.239	-.215	-.186	-.170	-.128	-.121	-.147	-.175	-.222	-.236
.950	-.034	-.021	-.011	-.025	-.063	-.054	-.031	.003	-.014	-.024

LOWER SURFACE

0.000	1.099	1.080	1.086	1.075	1.009	1.015	1.075		1.079	1.092
.005	.903	.941	.951	.979	.927	.948	.884	.896	.900	.857
.015	.388	.414	.412	.452	.313	.378	.413	.417	.438	.450
.030	.156	.177	.164	.196	.083	.064	.153	.122	.150	.154
.050	-.023	-.037	-.018	-.012	-.082	-.056	.003	-.008	.018	-.017
.100	-.152	-.176	-.165	-.155	-.172		-.144	-.163	-.146	-.146
.175	-.267	-.293	-.281	-.253	-.267	-.239	-.298	-.335	-.307	-.296
.250	-.344		-.367	-.328	-.297		-.302	-.343	-.339	
.350	-.354	-.395	-.374	-.353	-.355	-.368	-.353	-.385	-.394	-.384
.450		-.426	-.437	-.384	-.392	-.415	-.386	-.428	-.454	-.407
.550	-.314	-.369	-.314	-.293	-.326	-.361	-.289	-.327	-.335	-.297
.650	-.052	-.044	-.037	-.032	-.064	-.065	-.038	-.066	-.058	-.034
.750		.195	.212	.197	.170	.155	.185	.185	.178	.200
.850	.360	.341	.360	.343	.314	.294	.332	.330	.325	.349
.925	.402	.400	.417	.389	.362	.337	.374	.385	.379	.400
.990	.261	.254	.272	.229	.180	.110	.249	.234	.243	.262

MACH ALPHA CT J CONF NPR RUN POINT
 .750 2.515 0.000 0.000 3. 1.40 8. 28.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.099	1.080	1.079	1.070	1.003	1.009	1.069	1.074	1.079	1.091
.005	.153	.134	.085	.057	-.172	-.029	.145	.156	.177	.241
.015	-.510	-.547	-.559	-.593	-.859	-.894	-.657	-.592	-.567	
.030	-.957	-.983	-.995	-1.080	-1.276	-1.282	-1.091	-1.036	-1.025	-.979
.050	-1.139	-1.161	-1.220	-1.266	-1.442	-1.442	-1.288	-1.231	-1.196	
.100	-1.188	-1.244	-1.284	-1.376	-1.471	-1.500	-1.358	-1.270	-1.231	-1.210
.175	-1.197	-1.253	-1.292	-1.371	-1.549	-1.513	-1.351	-1.283	-1.232	-1.165
.250	-1.238	-1.308	-1.326	-1.315	-1.437	-1.358	-1.325	-1.304	-1.262	-1.181
.350	-.851	-1.238	-1.303	-1.025	-.742	-.727	-.860	-1.257	-1.208	-.757
.450	-.430	-.426	-.435	-.361	-.380	-.405	-.364	-.381	-.396	-.453
.500	-.455	-.390	-.367	-.365	-.323	-.332	-.368	-.379	-.402	-.469
.525	-.464	-.399	-.378	-.373	-.330	-.323	-.375	-.397	-.413	-.461
.550	-.454	-.409	-.373	-.381	-.319	-.314	-.369	-.403		-.462
.650	-.431	-.407	-.387	-.367	-.333	-.314	-.362	-.361	-.413	-.441
.750	-.347	-.342	-.311	-.303	-.288	-.267	-.299	-.322	-.349	-.358
.850	-.216	-.226	-.200	-.185	-.181	-.154	-.171	-.192	-.233	-.216
.950	-.011	-.017	-.010	-.005	-.022	-.003	.011	.004	-.009	-.002

LOWER SURFACE

0.000	1.099	1.080	1.079	1.070	1.003	1.009	1.069	1.074	1.079	1.091
.005	.906	.963	.955	.968	.955	.951	.895	.911	.900	.849
.015	.402	.453	.425	.429	.352	.390	.434	.437	.444	.437
.030	.164	.224	.168	.198	.122	.065	.149	.142	.158	.147
.050	-.020	.009	-.014	.008	-.037	-.052	-.001	.023	.029	-.017
.100	-.153	-.132	-.149	-.146	-.129		-.151	-.128	-.139	-.164
.175	-.261	-.260	-.264	-.248	-.221	-.229	-.295	-.299	-.286	-.312
.250	-.334		-.346	-.322	-.255		-.313	-.322	-.308	
.350	-.355	-.353	-.354	-.340	-.313	-.345	-.358	-.364	-.361	-.410
.450		-.382	-.405	-.361	-.348	-.376	-.388	-.403	-.411	-.406
.550	-.308	-.335	-.310	-.280	-.274	-.320	-.296	-.303	-.289	-.280
.650	-.045	-.015	-.033	-.020	-.024	-.022	-.025	-.053	-.020	-.029
.750		.218	.212	.215	.203	.204	.211	.193	.211	.205
.850	.372	.362	.369	.361	.353	.343	.352	.344	.351	.348
.925	.419	.407	.411	.407	.403	.388	.394	.400	.398	.400
.990	.274	.259	.268	.278	.261	.197	.288	.255	.266	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .758 2.494 0.000 0.000 3. 1.82 2. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.075	1.089	1.088	1.065	1.019	1.022	1.056	1.096	1.100	1.078
.005	.135	.166	.110	.053	-.197	-.053	.293	.189	.209	.163
.015	-.508	-.516	-.536	-.587	-.834	-.870	-.638	-.554	-.535	-.422
.030	-.959	-.960		-1.070	-1.235	-1.270	-1.072	-.990	-.987	-.967
.050	-1.138	-1.143	-1.177	-1.246	-1.406	-1.403	-1.272	-1.166	-1.157	-1.131
.100	-1.189	-1.220	-1.255	-1.351	-1.437	-1.462	-1.341	-1.219	-1.189	-1.159
.175	-1.194	-1.238	-1.268	-1.336	-1.473	-1.466	-1.326	-1.236	-1.202	-1.140
.250	-1.189	-1.242	-1.275	-1.299	-1.399	-1.364	-1.305	-1.299	-1.235	-1.184
.350	-1.164	-1.314	-1.309	-1.334	-1.039	-.965	-1.274	-1.270	-1.267	-1.184
.450	-.400	-.525	-.519	-.471	-.484	-.450	-.507	-.567	-.506	-.434
.500	-.411	-.344	-.342	-.359	-.333	-.306	-.359	-.375	-.338	-.428
.525	-.437	-.339	-.329	-.344	-.298	-.281	-.330	-.344	-.341	-.432
.550	-.427	-.352		-.336	-.275	-.273	-.314			-.423
.650	-.412	-.363	-.396	-.336	-.319	-.315	-.337	-.347	-.380	-.418
.750	-.349	-.325	-.317	-.295	-.309	-.302	-.300	-.328	-.328	-.354
.850	-.217	-.209	-.203	-.179	-.210	-.180	-.176	-.192	-.213	-.218
.950	-.014	-.006	-.012	.006	-.035	.004	.013	.004	.003	-.003

LOWER SURFACE

0.000	1.075	1.089	1.088	1.065	1.019	1.022	1.056	1.096	1.100	1.078
.005		.942	.950	.961	.944	.932	.899	.923	.895	.858
.015	.391	.417	.426	.436	.347	.364	.426	.448	.439	.466
.030	.164	.190	.184		.110	.059	.161	.150	.145	.139
.050	-.018	.008	.007	.004	-.046	-.055	.006	.019	.025	-.011
.100	-.151	-.139	-.141	-.142	-.136	-.121	-.150	-.134	-.137	-.152
.175	-.275	-.264	-.260	-.239	-.228	-.234	-.290	-.293	-.294	-.299
.250	-.363	-.350	-.346	-.338	-.260	-.281	-.299	-.302	-.308	-.346
.350	-.371	-.340	-.353	-.354	-.324	-.363	-.359	-.353	-.385	-.392
.450		-.387	-.404		-.347	-.373	-.372	-.381	-.412	
.550	-.314	-.341	-.284	-.273	-.268	-.301	-.267	-.273	-.289	-.268
.650	-.026	-.009	-.010	-.009	-.002	-.015		-.023	-.017	-.022
.750	.216	.224	.222	.217	.219	.210	.207	.213	.217	.204
.850	.361	.372	.364	.356	.357	.346	.341	.347	.356	.334
.925	.409	.422	.412	.403	.412	.397	.385	.396	.405	.378
.990	.273	.278	.277	.268	.293	.241	.285	.266	.271	.257

MACH ALPHA CT J CONF NPR RUN POINT
 .750 3.024 0.000 0.000 3. 1.40 8. 29.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.085	1.062	1.059	1.044	.959	.959	1.044	1.054	1.065	1.077
.005	.102	.084	.021	-.008	-.250	-.100	.088	.100	.120	.188
.015	-.556	-.615	-.626	-.652	-.923	-.957	-.720	-.663	-.645	
.030	-1.000	-1.050	-1.049	-1.122	-1.343	-1.346	-1.134	-1.085	-1.090	-1.025
.050	-1.196	-1.219	-1.257	-1.313	-1.489	-1.492	-1.336	-1.268	-1.260	
.100	-1.244	-1.294	-1.337	-1.406	-1.521	-1.546	-1.390	-1.324	-1.291	-1.266
.175	-1.248	-1.294	-1.327	-1.412	-1.595	-1.557	-1.391	-1.322	-1.284	-1.217
.250	-1.288	-1.348	-1.361	-1.378	-1.504	-1.438	-1.391	-1.345	-1.315	-1.235
.350	-1.250	-1.337	-1.385	-1.368	-.832	-.801	-1.329	-1.321	-1.279	-1.201
.450	-.430	-.585	-.576	-.421	-.445	-.478	-.366	-.443	-.492	-.451
.500	-.406	-.404	-.376	-.339	-.332	-.350	-.341	-.336	-.372	-.423
.525	-.421	-.359	-.341	-.338	-.314	-.319	-.346	-.342	-.355	-.426
.550	-.414	-.346	-.320	-.344	-.301	-.302	-.340	-.350		-.426
.650	-.406	-.358	-.344	-.338	-.308	-.290	-.335	-.330	-.362	-.419
.750	-.344	-.306	-.288	-.282	-.268	-.245	-.275	-.301	-.312	-.354
.850	-.215	-.197	-.182	-.177	-.171	-.144	-.159	-.176	-.204	-.216
.950	-.011	-.005	-.008	-.017	-.022	-.006	-.004	.006	.003	-.005

LOWER SURFACE

0.000	1.085	1.062	1.059	1.044	.959	.959	1.044	1.054	1.065	1.077
.005	.937	.980	1.002	1.014	.988	.984	.930	.940	.936	.896
.015	.459	.500	.503	.509	.416	.455	.488	.499	.480	.501
.030	.214	.269	.245	.255	.163	.120	.223	.205	.200	.210
.050	.030	.063	.061	.055	.002	-.013	.065	.068	.076	.049
.100	-.110	-.089	-.092	-.106	-.100		-.098	-.094	-.096	-.107
.175	-.223	-.228	-.220	-.213	-.192	-.201	-.249	-.262	-.258	-.264
.250	-.306		-.310	-.294	-.230		-.270	-.282	-.280	
.350	-.338	-.344	-.331	-.323	-.300	-.332	-.327	-.324	-.336	-.368
.450		-.370	-.385	-.347	-.352	-.365	-.348	-.364	-.405	-.394
.550	-.306	-.328	-.283	-.273	-.281	-.312	-.267	-.279	-.286	-.277
.650	-.043	-.017	-.021	-.016	-.021	-.028	-.023	-.036	-.020	-.026
.750		.214	.220	.213	.209	.200	.210	.209	.214	.211
.850	.372	.367	.372	.365	.350	.343	.353	.354	.355	.354
.925	.423	.420	.417	.414	.404	.391	.397	.405	.396	.401
.990	.279	.272	.268	.273	.261	.191	.283	.254	.247	.270

MACH ALPHA CT J CONF NPR RUN POINT
 .801 .018 0.000 0.000 3. 1.40 8. 12.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.166	1.161	1.162	1.150	1.135	1.142	1.156	1.152	1.151	1.158
.005	.558	.556	.529	.503	.414	.488	.563	.567	.573	.635
.015	-.051	-.065	-.077	-.089	-.252	-.281	-.131	-.102	-.081	
.030	-.502	-.510	-.534	-.587	-.688	-.714	-.576	-.539	-.541	-.499
.050	-.643	-.642	-.683	-.717	-.873	-.859	-.762	-.699	-.679	
.100	-.731	-.767	-.800	-.884	-.965	-.963	-.845	-.763	-.734	-.733
.175	-.738	-.794	-.845	-.904	-1.075	-1.078	-.874	-.806	-.765	-.676
.250	-.840	-.902	-.901	-.874	-.936	-.922	-.850	-.869	-.837	-.780
.350	-.836	-.933	-.931	-.855	-.882	-.838	-.853	-.863	-.869	-.853
.450	-.793	-.914	-.843	-.616	-.386	-.397	-.713	-.890	-.905	-.846
.500	-.575	-.535	-.418	-.382	-.337	-.347	-.372	-.459	-.631	-.587
.525	-.445	-.388	-.364	-.370	-.349	-.340	-.353	-.364	-.396	-.442
.550	-.404	-.355	-.343	-.384	-.336	-.332	-.358	-.344		-.405
.650	-.417	-.388	-.386	-.386	-.340	-.327	-.377	-.355	-.373	-.420
.750	-.357	-.330	-.321	-.316	-.276	-.258	-.312	-.328	-.331	-.361
.850	-.205	-.204	-.196	-.180	-.166	-.143	-.169	-.187	-.208	-.201
.950	.008	.013	.008	.022	-.002	.019	.037	.021	.022	.018

LOWER SURFACE

0.000	1.166	1.161	1.162	1.150	1.135	1.142	1.156	1.152	1.151	1.158
.005	.703	.744	.762	.766	.665	.667	.624	.685	.670	.617
.015	.043	.089	.076	.071	-.098	-.025	.072	.109	.107	.125
.030	-.167	-.132	-.147	-.147	-.261	-.316	-.200	-.204	-.193	-.185
.050	-.358	-.349	-.344	-.362	-.380	-.379	-.333	-.314	-.298	-.331
.100	-.449	-.437	-.440	-.457	-.389		-.440	-.428	-.423	-.430
.175	-.561	-.568	-.560	-.542	-.503	-.507	-.598	-.602	-.609	-.630
.250	-.656		-.609	-.609	-.495		-.606	-.651	-.703	
.350	-.674	-.676	-.620	-.654	-.605	-.645	-.664	-.614	-.615	-.718
.450		-.580	-.651	-.654	-.570	-.599	-.640	-.633	-.673	-.580
.550	-.346	-.372	-.337	-.326	-.313	-.342	-.330	-.338	-.339	-.331
.650	-.038	-.027	-.030	-.029	-.024	-.041	-.036	-.045	-.031	-.036
.750		.207	.208	.194	.168	.164	.186	.192	.195	.196
.850	.350	.345	.350	.336	.297	.280	.315	.332	.328	.328
.925	.404	.403	.407	.390	.364	.340	.371	.392	.386	.384
.990	.291	.281	.286	.283	.269	.209	.296	.285	.285	.277

MACH ALPHA CT J CONF NPR RUN POINT
 .801 .001 0.000 0.000 3. 1.80 2. 12.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.164	1.164	1.162	1.159	1.142	1.144	1.160	1.162	1.164	1.165
.005	.535	.556	.508	.498	.374	.445	.554	.564	.584	.561
.015	-.056	-.065	-.083	-.111	-.261	-.291	-.150	-.098	-.081	.028
.030	-.515	-.524		-.603	-.689	-.740	-.583	-.547	-.543	-.498
.050	-.649	-.661	-.693	-.725	-.886	-.867	-.763	-.700	-.676	-.637
.100	-.747	-.788	-.816	-.892	-.984	-.994	-.847	-.763	-.735	-.691
.175	-.765	-.807	-.851	-.912	-1.077	-1.066	-.879	-.808	-.755	-.687
.250	-.799	-.837	-.881	-.857	-.922	-.901	-.857	-.874	-.829	-.790
.350	-.860	-.961	-.910	-.883	-.912	-.845	-.914	-.912	-.902	-.877
.450	-.781	-.909	-.868	-.818	-.469	-.464	-.842	-.891	-.914	-.854
.500	-.664	-.772	-.562	-.444	-.321	-.311	-.471	-.658	-.877	-.693
.525	-.583	-.463	-.378	-.364	-.315	-.299	-.337	-.406	-.529	-.521
.550	-.423	-.355		-.360	-.306	-.293	-.324			-.404
.650	-.405	-.369	-.388	-.386	-.364	-.355	-.377	-.329	-.361	-.396
.750	-.349	-.335	-.325	-.332	-.337	-.328	-.334	-.333	-.332	-.337
.850	-.206	-.204	-.196	-.190	-.207	-.179	-.184	-.187	-.207	-.194
.950	.009	.014	.015	.026	-.008	.035	.036	.031	.022	.026

LOWER SURFACE

0.000	1.164	1.164	1.162	1.159	1.142	1.144	1.160	1.162	1.164	1.165
.005		.758	.758	.765	.673	.666	.627	.682	.681	.618
.015	.058	.072	.090	.078	-.087	-.030	.079	.105	.094	.130
.030	-.142	-.147	-.140		-.241	-.305	-.194	-.211	-.193	-.184
.050	-.356	-.343	-.341	-.353	-.369	-.377	-.324	-.314	-.302	-.342
.100	-.442	-.442	-.433	-.447	-.383	-.377	-.430	-.424	-.414	-.430
.175	-.556	-.566	-.549	-.525	-.488	-.519	-.599	-.594	-.597	-.621
.250	-.648	-.627	-.629	-.617	-.490	-.508	-.557	-.635	-.667	-.670
.350	-.702	-.676	-.658	-.607	-.608	-.652	-.600	-.592	-.617	-.623
.450		-.547	-.573		-.511	-.523	-.584	-.616	-.677	
.550	-.349	-.383	-.330	-.318	-.298	-.309	-.304	-.316	-.328	-.314
.650	-.032	-.019	-.019	-.018	-.012	-.013		-.027	-.026	-.025
.750	.207	.212	.206	.197	.170	.166	.186	.191	.199	.189
.850	.345	.353	.333	.326	.292	.278	.302	.312	.330	.309
.925	.398	.409	.388	.382	.357	.340	.359	.368	.388	.365
.990	.287	.287	.281	.283	.290	.252	.302	.277	.282	.274

MACH ALPHA CT J CONF NPR RUN POINT
 .800 .991 0.000 0.000 3. 1.80 2. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.160	1.155	1.155	1.154	1.129	1.133	1.153	1.157	1.159	1.162
.005	.445	.447	.396	.392	.291	.303	.459	.456	.478	.464
.015	-.158	-.192	-.208	-.224	-.418	-.458	-.267	-.225	-.216	-.044
.030	-.625	-.643		-.714	-.837	-.883	-.703	-.669	-.671	-.615
.050	-.753	-.789	-.829	-.877	-1.025	-1.018	-.896	-.821	-.794	-.724
.100	-.857	-.898	-.927	-1.006	-1.123	-1.150	-.974	-.889	-.865	-.820
.175	-.888	-.925	-.969	-1.045	-1.125	-1.165	-1.022	-.932	-.888	-.827
.250	-.915	-.950	-1.007	-1.028	-1.071	-1.026	-1.023	-1.007	-.951	-.903
.350	-.985	-1.077	-1.077	-1.009	-1.039	-.986	-1.016	-1.048	-1.020	-.983
.450	-.966	-1.037	-1.046	-.966	-.913	-.919		.058	-1.016	-.958
.500	-.956	-1.014	-.983	-.938	-.572	-.56		.458	-1.016	-.953
.525	-.814	-1.010	-.938	-.712	-.465	-.447		.08	-1.039	-.834
.550	-.489	-.719		-.474	-.368	-.346	-.484			-.518
.650	-.342	-.294	-.299	-.307	-.303	-.293	-.294	-.251	-.274	-.344
.750	-.317	-.268	-.266	-.273	-.287	-.278	-.276	.275	-.270	.311
.850	-.193	-.171	-.168	-.158	-.183	-.155	-.155	-.162	-.180	-.185
.950	.011	.023	.023	.034	-.002	.038	.041	.038	.029	.026

LOWER SURFACE

0.000	1.160	1.155	1.155	1.154	1.129	1.133	1.153	1.157	1.159	1.162
.005		.828	.833	.851	.787	.788	.746	.783	.770	.718
.015	.178	.203	.218	.220	.088	.123	.218	.237	.230	.267
.030	-.029	-.012	-.018		-.104	-.162	-.052	-.074	-.060	-.059
.050	-.236	-.197	-.203	-.220	-.239	-.250	-.192	-.188	-.173	-.207
.100	-.338	-.320	-.327	-.336	-.284	-.291	-.320	-.313	-.308	-.319
.175	-.444	-.438	-.431	-.422	-.378	-.412	-.490	-.497	-.501	-.507
.250	-.581	-.565	-.574	-.564	-.403	-.426	-.439	-.453	-.469	-.495
.350	-.576	-.557	-.602	-.588	-.563	-.620	-.580	-.589	-.619	-.645
.450		-.537	-.544		-.487	-.501	-.501	-.522	-.550	
.550	-.347	-.378	-.324	-.313	-.300	-.318	-.301	-.311	-.322	-.310
.650	-.028	-.013	-.012	-.010	-.005	-.009		-.021	-.018	-.021
.750	.214	.220	.218	.212	.195	.189	.201	.207	.210	.199
.850	.359	.364	.349	.343	.321	.309	.321	.330	.343	.321
.925	.409	.418	.400	.397	.385	.369	.375	.384	.398	.376
.990	.290	.289	.286	.288	.300	.257	.307	.281	.287	.280

MACH ALPHA CT J CONF NPR RUN POINT
 .797 2.512 0.000 0.000 3. 1.00 8. 7.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.142	1.132	1.131	1.122	1.070	1.078	1.124	1.125	1.127	1.134
.005	.311	.309	.253	.234	.045	.149	.312	.314	.333	.392
.015	-.317	-.346	-.352	-.377	-.614	-.657	-.434	-.380	-.369	
.030	-.748	-.771	-.780	-.847	-1.013	-1.029	-.855	-.816	-.814	-.764
.050	-.919	-.943	-.987	-1.032	-1.178	-1.184	-1.055	-.950	-.977	
.100	-.986	-1.036	-1.068	-1.148	-1.222	-1.255	-1.134	-1.052	-1.025	-1.005
.175	-1.020	-1.071	-1.099	-1.154	-1.205	-1.286	-1.142	-1.090	-1.055	-.986
.250	-1.068	-1.139	-1.138	-1.140	-1.261	-1.227	-1.154	-1.124	-1.099	-1.041
.350	-1.081	-1.123	-1.156	-1.179	-1.128	-1.038	-1.156	-1.090	-1.071	-1.086
.450	-1.055	-1.120	-1.113	-1.098	-.566	-.543	-1.080	-1.121	-1.106	-1.081
.500	-1.082	-1.111	-1.052	-.590	-.450	-.443	-.590	-1.127	-1.122	-1.085
.525	-.978	-.858		-.459	-.407	-.400	-.449	-.652	-.929	-.836
.550	-.613	-.599		-.387	-.356	-.362	-.372	-.501		-.566
.650	-.328	-.349	-.289	-.282	-.265	-.261	-.267	-.263	-.308	-.315
.750	-.255	-.215	-.210	-.227	-.200	-.187	-.211	-.216	-.218	-.166
.850	-.156	-.135	-.142	-.146	-.124	-.111	-.130	-.138	-.142	-.158
.950	.017	.014	.004	-.022	-.057	-.052	-.015	.012	.018	.024

LOWER SURFACE

0.000	1.142	1.132	1.131	1.122	1.070	1.078	1.124	1.125	1.127	1.134
.005	.884	.938	.941	.956	.916	.913	.860	.890	.886	.836
.015	.354	.405	.401	.407	.281	.329	.282	.394	.405	.415
.030	.121	.173	.140	.152	.064	.026	.120	.099	.111	.115
.050	-.069	-.042	-.048	-.053	-.089	-.094	-.033	-.022	-.015	-.047
.100	-.207	-.182	-.188	-.199	-.175		-.190	-.175	-.187	-.191
.175	-.327	-.326	-.314	-.312	-.283	-.290	-.357	-.368	-.372	-.366
.250	-.420		-.418	-.405	-.319		-.358	-.373	-.392	
.350	-.427	-.437	-.431	-.434	-.417	-.452	-.439	-.442	-.465	-.467
.450		-.511	-.534	-.494	-.480	-.512	-.510	-.536	-.570	-.532
.550	-.343	-.387	-.348	-.333	-.342	-.386	-.330	-.340	-.342	-.229
.650	-.048	-.032	-.039	-.036	-.050	-.052	-.044	-.052	-.033	-.036
.750		.211	.207	.199	.176	.179	.188	.193	.202	.199
.850	.367	.356	.356	.343	.319	.311	.326	.334	.343	.341
.925	.420	.415	.412	.393	.374	.355	.368	.407	.388	.401
.990	.281	.269	.270	.241	.204	.129	.249	.252	.258	.276

MACH ALPHA CT J CONF NPR RUN POINT
.799 2.516 0.000 0.000 3. 1.40 8. 14.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.144	1.132	1.132	1.114	1.076	1.079	1.117	1.125	1.127	1.133
.005	.258	.258	.244	.221	.044	.153	.303	.305	.328	.392
.015	-.312	-.344	-.366	-.587	-.613	-.653	-.443	-.399	-.361	
.030	-.757	-.768	-.787	-.848	-1.014	-1.033	-.855	-.826	-.808	-.771
.050	-.929	-.929	-.984	-1.035	-1.182	-1.188	-1.059	-.996	-.969	
.100	-.997	-1.029	-1.068	-1.159	-1.225	-1.258	-1.142	-1.057	-1.023	-1.014
.175	-1.029	-1.061	-1.103	-1.170	-1.311	-1.290	-1.162	-1.091	-1.048	-.997
.250	-1.083	-1.144	-1.158	-1.148	-1.257	-1.230	-1.160	-1.140	-1.107	-1.044
.350	-1.096	-1.148	-1.151	-1.178	-1.149	-1.123	-1.154	-1.103	-1.104	-1.108
.450	-1.076	-1.122	-1.111	-1.105	-.996	-.946	-1.092	-1.119	-1.108	-1.110
.500	-1.104	-1.118	-1.186	-1.102	-.702	-.692	-1.109	-1.193	-1.129	-1.132
.525	-1.112	-1.067	-1.087	-1.051	-.623	-.608	-1.088	-1.110	-1.101	-1.132
.550	-.960	-.777	-.711	-.689	-.529	-.513	-.705	-.864		-.845
.650	-.388	-.478	-.427	-.335	-.317	-.309	-.331	-.383	-.425	-.382
.750	-.248	-.277	-.234	-.221	-.224	-.210	-.206	-.222	-.253	-.257
.850	-.144	-.110	-.096	-.117	-.128	-.107	-.106	-.090	-.108	-.145
.950	.020	.035	.026	.027	.001	.014	.037	.037	.041	.028

LOWER SURFACE

0.000	1.144	1.132	1.132	1.114	1.076	1.079	1.117	1.125	1.127	1.133
.005	.888	.936	.951	.955	.930	.919	.873	.896	.877	.852
.015	.357	.408	.412	.412	.289	.339	.398	.404	.410	.423
.030	.134	.177	.158	.166	.069	.023	.140	.104	.116	.117
.050	-.054	-.036	-.034	-.047	-.082	-.087	-.019	-.032	-.007	-.039
.100	-.197	-.174	-.177	-.187	-.172		-.183	-.184	-.172	-.179
.175	.316	-.312	-.300	-.295	-.273	-.280	-.351	-.365	-.364	-.356
.250	-.409		-.400	-.393	-.310		-.349	-.377	-.373	
.350	-.428	-.428	-.417	-.419	-.396	-.437	-.420	-.428	-.444	-.450
.450		-.483	-.505	-.462	-.449	-.474	-.477	-.499	-.534	-.523
.550	-.343	-.366	-.326	-.319	-.310	-.351	-.307	-.320	-.325	-.314
.650	-.042	-.025	-.022	-.017	-.022	-.024	-.024	-.034	-.023	-.022
.750		.214	.221	.211	.203	.201	.211	.205	.213	.215
.850	.366	.364	.366	.356	.337	.332	.350	.350	.349	.343
.925	.429	.414	.425	.410	.396	.385	.399	.410	.398	.401
.990	.288	.265	.278	.276	.274	.205	.290	.261	.259	.278

MACH ALPHA CT J CONF NPR RUN POINT
 .801 2.491 0.000 0.000 3. 1.81 2. 16.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.140	1.134	1.126	1.125	1.082	1.088	1.122	1.129	1.141	1.139
.005	.299	.301	.298	.213	-.000	.118	.297	.307	.341	.320
.015	-.316	-.340	-.371	-.395	-.628	-.665	-.442	-.389	-.364	-.225
.030	-.749	-.770		-.864	-1.017	-1.051	-.861	-.815	-.801	-.758
.050	-.933	-.943	-.935	-1.039	-1.185	-1.183	-1.054	-.981	-.964	-.922
.100	-1.006	-1.036	-1.077	-1.151	-1.237	-1.257	-1.132	-1.046	-1.011	-.978
.175	-1.037	-1.073	-1.107	-1.153	-1.284	-1.284	-1.147	-1.084	-1.042	-.989
.250	-1.060	-1.094	-1.128	-1.141	-1.240	-1.216	-1.151	-1.143	-1.089	-1.056
.350	-1.120	-1.173	-1.169	-1.186	-1.156	-1.144	-1.161	-1.128	-1.126	-1.116
.450	-1.065	-1.113	-1.115	-1.109	-1.044	-1.025	-.091	-1.117	-1.106	-1.102
.500	-1.083	-1.119	-1.193	-1.108	-.880	-.858	-1.106	-1.144	-1.132	-1.108
.525	-1.097	-1.096	-1.127	-1.113	-.939	-.887	-1.109	-1.087	-1.096	-1.111
.550	-1.077	-1.064		-1.089	-.885	-.897	-1.053			-1.078
.650	-.392	-.496	-.455	-.441	-.397	-.350	-.433	-.446	-.466	-.384
.750	-.241	-.298	-.272	-.234	-.223	-.216	-.239	-.295	-.281	-.248
.850	-.140	-.103	-.099	-.096	-.123	-.110	-.097	-.096	-.102	-.140
.950	.027	.043	.040	.046	.019	.047	.048	.046	.051	.038

LOWER SURFACE

0.000	1.140	1.134	1.126	1.125	1.082	1.088	1.122	1.129	1.141	1.139
.005		.934	.945	.954	.919	.923	.881	.901	.889	.843
.015	.365	.383	.412	.408	.304	.341	.407	.410	.407	.436
.030	.140	.155	.166		.084	.035	.133	.114	.125	.126
.050	-.051	-.034	-.018	-.029	-.073	-.079	-.019	-.016	-.015	-.035
.100	-.186	-.171	-.165	-.182	-.163	-.161	-.170	-.163	-.166	-.178
.175	-.309	-.309	-.295	-.291	-.270	-.284	-.337	-.343	-.348	-.350
.250	-.427	-.420	-.407	-.412	-.305	-.332	-.341	-.347	-.366	-.390
.350	-.436	-.418	-.407	-.435	-.404	-.453	-.444	-.446	-.475	-.496
.450		-.468	-.480		-.431	-.452	-.448	-.465	-.502	
.550	-.331	-.367	-.308	-.296	-.293	-.316	-.289	-.300	-.317	-.293
.650	-.025	-.008	-.006	-.000	.001	-.006		-.017	.013	-.016
.750	.220	.226	.227	.225	.216	.211	.217	.215	.219	.209
.850	.367	.374	.367	.360	.349	.340	.347	.345	.353	.339
.925	.417	.423	.415	.410	.409	.395	.391	.391	.400	.391
.990	.290	.269	.269	.280	.302	.254	.296	.248	.257	.280

MACH ALPHA CT J CONF NPR RUN POINT
 .802 3.003 0.000 0.000 3. 1.81 2. 17.

WING CP DATA
 UPPER SURFACE

Y/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.130	1.116	1.112	1.112	1.053	1.058	1.107	1.118	1.128	1.129
.005	.249	.255	.192	.166	-.073	.049	.254	.264	.300	.277
.015	-.363	-.387	-.410	-.441	-.684	-.718	-.492	-.434	-.402	-.261
.030	-.787	-.807		-.896	-1.068	-1.102	-.902	-.850	-.832	-.792
.050	-.974	-.987	-1.026	-1.070	-1.233	-1.230	-1.090	-1.021	-.999	-.953
.100	-1.047	-1.080	-1.120	-1.178	-1.275	-1.294	-1.166	-1.086	-1.051	-1.017
.175	-1.073	-1.108	-1.135	-1.180	-1.328	-1.322	-1.167	-1.118	-1.080	-1.029
.250	-1.090	-1.118	-1.141	-1.187	-1.287	-1.254	-1.201	-1.163	-1.116	-1.095
.350	-1.140	-1.189	-1.212	-1.200	-1.188	-1.182	-1.192	-1.158	-1.132	-1.125
.450	-1.099	-1.163	-1.132	-1.133	-1.057	-1.048	-1.099	-1.030	-1.131	-1.120
.500	-1.113	-1.008	-.974	-1.009	-.869	-.847	-.900	-.742	-1.013	-1.136
.525	-1.125	-.813	-.696	-.810	-.854	-.806	-.715	-.619	-.804	-1.140
.550	-1.048	-.629		-.641	-.707	-.680	-.603			-.993
.650	-.395	-.486	-.484	-.464	-.380	-.329	-.474	-.467	-.471	-.398
.750	-.243	-.341	-.348	-.307	-.250	-.253	-.325	-.377	-.336	-.243
.850	-.150	-.172	-.180	-.159	-.158	-.148	-.178	-.199	-.179	-.145
.950	.008	-.035	-.054	-.028	-.021	.001	-.043	-.061	-.040	.022

LOWER SURFACE

0.000	1.130	1.116	1.112	1.112	1.053	1.058	1.107	1.118	1.128	1.129
.005		.960	.967	.973	.954	.960	.916	.935	.923	.883
.015	.410	.436	.449	.455	.360	.391	.458	.464	.465	.483
.030	.194	.206	.209		.131	.082	.189	.167	.173	.177
.050	.001	.026	.020	.017	-.027	-.037	.030	.033	.041	.011
.100	-.143	-.132	-.130	-.139	-.129	-.130	-.132	-.121	-.129	-.134
.175	-.276	-.277	-.264	-.256	-.238	-.252	-.302	-.308	-.312	-.309
.250	-.401	-.391	-.378	-.385	-.288	-.316	-.319	-.324	-.339	-.368
.350	-.428	-.394	-.410	-.423	-.395	-.445	-.424	-.419	-.455	-.466
.450		-.474	-.486		-.439	-.460	-.452	-.466	-.503	
.550	-.342	-.377	-.323	-.314	-.309	-.334	-.302	-.309	-.324	-.306
.650	-.030	-.017	-.020	-.016	-.013	-.019		-.030	-.026	-.024
.750	.218	.214	.213	.213	.200	.202	.203	.202	.204	.205
.850	.363	.360	.353	.350	.348	.333	.333	.333	.338	.335
.925	.413	.404	.395	.395	.404	.385	.374	.374	.382	.385
.990	.276	.217	.217	.234	.279	.210	.244	.199	.198	.265

MACH ALPHA CT J CONF NPR RUN POINT
 .702 -.025 0.000 0.000 2. 1.80 22. 49.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	1.0	1.00	1.25	2.00
0.000	1.125	1.130	1.129	1.119	1.097	1.097	1.119	1.121	1.123	1.120
.005	.448	.459	.438	.430	.293	.356	.503	.493	.495	.516
.015	-.210	-.216	-.227	-.195	-.351	-.381	-.225	-.223	-.223	
.030	-.668	-.648	-.660	-.661	-.677	-.703	-.652	-.635	-.659	-.639
.050	-.772	-.738	-.771	-.775	-.686	-.636	-.754	-.729	-.723	
.100	-.667	-.664	-.654	-.634	-.543	-.554	-.592	-.614	-.622	-.609
.175	-.595	-.592	-.591	-.565	-.550	-.535	-.605	-.629	-.629	-.616
.250	-.585	-.569	-.568	-.551	-.485	-.505	-.527	-.555	-.531	-.524
.350	-.513	-.572	-.560	-.505	-.530	-.510	-.502	-.519	-.524	-.523
.450	-.463	-.521	-.501	-.512	-.498	-.505	-.512	-.526	-.510	-.479
.500	-.482	-.504	-.498	-.526	-.486	-.493	-.491	-.503	-.496	-.485
.525	-.498	-.496	-.491	-.507	-.505	-.486	-.485	-.495	-.487	-.478
.550	-.466	-.504	-.478	-.516	-.483	-.473	-.480	-.491		-.466
.650	-.440	-.440	-.457	-.454	-.454	-.436	-.450	-.423	-.446	-.439
.750	-.364	-.368	-.372	-.376	-.371	-.365	-.384	-.380	-.369	-.374
.850	-.234	-.245	-.246	-.241	-.248	-.230	-.236	-.238	-.246	-.230
.950	-.040	-.032	-.037		-.057	-.035	-.027	-.026	-.023	-.026

LOWER SURFACE

0.000	1.125	1.130	1.129	1.119	1.097	1.097	1.119	1.121	1.123	1.120
.005	.638	.684	.670	.665	.577	.571	.498	.570	.590	.561
.015	-.056	.003	-.061	-.091	-.216	-.168	-.116	-.046	-.020	.044
.030	-.257	-.229	-.271	-.310	-.386	-.479	-.363	-.359	-.309	-.274
.050	-.400	-.404	-.427	-.481	-.539	-.571	-.452	-.418	-.356	-.374
.100	-.434	-.463	-.472	-.523	-.564		-.514	-.474	-.452	-.427
.175	-.461	-.493	-.490	-.527	-.570	-.524	-.563	-.547	-.531	-.506
.250	-.499	-.503	-.588	-.503	-.497	-.530	-.485	-.459	-.474	-.459
.350	-.447	-.444	-.434	-.441	-.443	-.480	-.442	-.441	-.453	-.470
.450		-.422	-.430	-.383	-.271	-.297	-.387	-.423	-.466	-.457
.550	-.337	-.359	-.291	-.262	-.216	-.257	-.262	-.296	-.309	-.321
.650	-.044	-.033	-.026	-.014	.003	-.006	-.021	-.045	-.049	-.063
.750		.195	.199	.214	.232	.235	.203	.197	.193	.174
.850	.334	.339	.335	.377	.388	.378	.342	.329	.324	.314
.925	.381	.389	.387	.405		.441	.390	.388	.378	.368
.990	.255	.259	.260	.277	.304	.241	.287	.257	.248	.241

MACH ALPHA CT J CONF NPR RUN POINT
 .701 .970 0.000 0.000 2. 1.80 22. 50.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.115	1.111	1.113	1.112	1.054	1.054	1.113	1.105	1.110	1.108
.005	.260	.285	.240	.268	.035	.106	.345	.306	.319	.347
.015	-.398	-.437	-.414	-.409	-.634	-.669	-.452	-.432	-.442	
.030	-.906	-.909	-.924	-.929	-.968	-.989	-.911	-.906	-.939	-.872
.050	-1.000	-.995	-1.022	-1.018	-.891	-.828	-1.028	-1.002	-1.002	
.100	-.798	-.836	-.826	-.834	-.658	-.716	-.770	-.771	-.782	-.744
.175	-.668	-.680	-.665	-.661	-.633	-.620	-.715	-.693	-.736	-.726
.250	-.578	-.625	-.609	-.627	-.553	-.565	-.575	-.634	-.603	-.578
.350	-.557	-.626	-.617	-.578	-.579	-.557	-.571	-.582	-.572	-.564
.450	-.512	-.556	-.536	-.551	-.535	-.538	-.548	-.558	-.547	-.527
.500	-.516	-.532	-.517	-.549	-.523	-.528	-.518	-.522	-.527	-.520
.525	-.525	-.525	-.521	-.538	-.541	-.518	-.515	-.528	-.516	-.508
.550	-.489	-.519	-.501	-.528	-.510	-.500	-.495	-.503		-.490
.650	-.450	-.449	-.471	-.467	-.481	-.459	-.464	-.438	-.457	-.452
.750	-.366	-.375	-.378	-.373	-.393	-.384	-.378	-.385	-.377	-.376
.850	-.237	-.245	-.242	-.236	-.250	-.230	-.232	-.237	-.251	-.237
.950	-.031	-.031	-.034		-.053	-.031	-.020	-.024	-.021	-.020

LOWER SURFACE

0.000	1.115	1.111	1.113	1.112	1.054	1.054	1.113	1.105	1.110	1.108
.005	.770	.799	.798	.797	.763	.767	.661	.714	.735	.707
.015	.126	.185	.153	.119	.057	.113	.115	.156	.179	.210
.030	-.074	-.052	-.082	-.107	-.150	-.211	-.150	-.151	-.111	-.090
.050	-.249	-.231	-.250	-.300	-.329	-.340	-.272	-.258	-.205	-.218
.100	-.316	-.321	-.335	-.376	-.409		-.368	-.345	-.322	-.310
.175	-.375	-.392	-.409	-.424	-.465	-.437	-.446	-.443	-.421	-.415
.250	-.426	-.420	-.499	-.409	-.413	-.453	-.411	-.389	-.398	-.386
.350	-.401	-.395	-.392	-.392	-.390	-.434	-.393	-.396	-.399	-.430
.450		-.385	-.394	-.343	-.241	-.269	-.347	-.383	-.426	-.422
.550	-.313	-.337	-.268	-.246	-.202	-.240	-.251	-.272	-.295	-.307
.650	-.058	-.033	-.018	-.001	.013	.005	-.006	-.039	-.034	-.056
.750		.202	.206	.225	.242	.238	.207	.197	.197	.160
.850	.336	.345	.349	.364	.389	.394	.350	.338	.338	.320
.925	.387	.393	.392	.401		.444	.396	.383	.385	.374
.990	.252	.249	.257	.266	.300	.241	.287	.239	.247	.247

MACH ALPHA CT J CONF NPR RUN POINT
.699 2.473 0.000 0.000 2. 1.79 22. 51.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.067	1.050	1.057	1.055	.893	.876	1.050	1.057	1.051	1.089
.005	.026	.043	-.016	-.011	-.382	-.301	.090	.066	.085	.121
.015	-.679	-.713	-.704	-.703	-1.071	-1.107	-.763	-.724	-.721	
.030	-1.163	-1.184	-1.167	-1.212	-1.349	-1.376	-1.218	-1.199	-1.227	-1.178
.050	-1.336	-1.341	-1.384	-1.395	-1.402	-1.360	-1.411	-1.377	-1.376	
.100	-1.295	-1.358	-1.349	-1.334	-.894	-.979	-1.292	-1.304	-1.310	-1.227
.175	-.645	-.885	-.751	-.598	-.742	-.731	-.682	-.678	-.707	-.757
.250	-.632	-.653	-.643	-.675	-.629	-.641	-.641	-.691	-.648	-.631
.350	-.613	-.681	-.670	-.629	-.643	-.624	-.627	-.642	-.637	-.630
.450	-.556	-.589	-.571	-.585	-.583	-.587	-.584	-.595	-.583	-.576
.500	-.534	-.555	-.554	-.584	-.555	-.559	-.554	-.562	-.553	-.542
.525	-.547	-.542	-.538	-.565	-.570	-.549	-.544	-.544	-.536	-.532
.550	-.505	-.542	-.524	-.551	-.530	-.518	-.519	-.524		-.510
.6	-.455	-.465	-.478	-.486	-.482	-.461	-.479	-.446	-.472	-.459
.750	-.368	-.371	-.368	-.373	-.385	-.376	-.375	-.375	-.375	-.378
.850	-.229	-.234	-.223	-.232	-.251	-.232	-.224	-.217	-.237	-.228
.950	-.024	-.018	-.024		-.050	-.025	-.027	-.015	-.012	-.012

LOWER SURFACE

0.000	1.067	1.050	1.057	1.055	.893	.876	1.050	1.057	1.051	1.089
.005	.913	.953	.946	.946	.959	.954	.852	.892	.890	.860
.015	.387	.427	.412	.395	.404	.446	.386	.394	.418	.440
.030	.155	.196	.157	.170	.166	.118	.120	.099	.122	.135
.050	-.016	-.027	-.016	-.045	-.039	-.046	-.028	-.029	-.004	-.012
.100	-.148	-.155	-.153	-.182	-.189		-.176	-.165	-.148	-.151
.175	-.256	-.262	-.258	-.268	-.322	-.309	-.296	-.295	-.287	-.281
.250	-.311	-.325	-.349	-.270	-.317	-.334	-.299	-.281	-.290	-.297
.350	-.327	-.322	-.324	-.320	-.325	-.363	-.315	-.311	-.322	-.351
.450		-.334	.338	-.290	-.210	-.224	-.305	-.329	-.371	-.373
.550	-.290	-.303	-.241	-.215	-.175	-.213	-.211	-.245	-.262	-.274
.650	-.055	-.010	-.003	.017	.026	.018	.011	-.024	-.014	-.033
.750		.215	.213	.231	.252	.249	.220	.208	.200	.197
.850	.354	.359	.364	.367	.409	.408	.370	.351	.349	.333
.925	.404	.406	.404	.419		.448	.414	.399	.390	.379
.990	.251	.252	.255	.265	.302	.237	.283	.240	.230	.242

MACH ALPHA CT J CONF NPR RUN POINT
 .699 2.986 0.000 0.000 2. 1.80 22. 52.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.039	1.023	1.029	1.018	.819	.800	1.017	1.023	1.030	1.072
.005	-.065	-.049	-.090	-.115	-.503	-.436	-.009	-.009	.000	.041
.015	-.746	-.794	-.789	-.785	-1.185	-1.232	-.854	-.820	-.801	
.030	-1.208	-1.246	-1.247	-1.289	-1.449	-1.489	-1.304	-1.279	-1.290	-1.232
.050	-1.406	-1.419	-1.457	-1.475	-1.517	-1.498	-1.500	-1.465	-1.452	
.100	-1.411	-1.440	-1.486	-1.466	-1.034	-1.155	-1.437	-1.460	-1.421	-1.389
.175	-1.201	-1.295	-1.320	-.799	-.789	-.767	-.759	-1.269	-1.235	-1.082
.250	-.585	-.577	-.584	-.647	-.657	-.668	-.621	-.629	-.587	-.594
.350	-.619	-.679	-.675	-.634	-.656	-.635	-.635	-.647	-.635	-.636
.450	-.556	-.590	-.576	-.592	-.591	-.594	-.591	-.604	-.586	-.576
.500	-.543	-.559	-.558	-.586	-.565	-.569	-.556	-.567	-.558	-.552
.525	-.547	-.553	-.549	-.569	-.584	-.563	-.549	-.557	-.549	-.532
.550	-.510	-.543	-.523	-.565	-.541	-.527	-.529	-.538		-.511
.650	-.455	-.465	-.475	-.484	-.487	-.466	-.477	-.444	-.473	-.460
.750	-.363	-.374	-.372	-.376	-.383	-.373	-.378	-.379	-.378	-.374
.850	-.228	-.241	-.232	-.232	-.243	-.224	-.225	-.226	-.245	-.227
.950	-.030	-.022	-.024		-.053	-.026	-.021	-.014	-.015	-.020

LOWER SURFACE

0.000	1.039	1.023	1.029	1.018	.819	.800	1.017	1.023	1.030	1.072
.005	.944	.982	.983	.987	1.003	.994	.917	.926	.937	.917
.015	.455	.496	.474	.473	.514	.540	.461	.475	.485	.495
.030	.216	.259	.213	.218	.248	.214	.214	.176	.184	.207
.050	.017	.043	.039	.025	.043	.031	.044	.046	.054	.041
.100	-.113	-.102	-.102	-.125	-.136		-.115	-.102	-.102	-.111
.175	-.226	-.221	-.218	-.238	-.271	-.265	-.258	-.247	-.241	-.242
.250	-.286	-.284	-.306	-.239	-.285	-.304	-.273	-.246	-.253	-.262
.350	-.303	-.299	-.289	-.301	-.302	-.336	-.294	-.290	-.291	-.332
.450		-.304	-.319	-.280	-.188	-.209	-.286	-.308	-.350	-.351
.550	-.286	-.281	-.221	.202	-.166	-.200	-.206	-.231	-.247	-.261
.650	-.042	.000	.00	.021	.042	.028	.015	-.020	-.017	-.031
.750		.217	.225	.231	.263	.252	.225	.203	.208	.191
.850	.363	.367	.367	.377	.418	.405	.369	.353	.350	.338
.925	.409	.411	.403	.419		.456	.408	.402	.392	.377
.990	.254	.247	.258	.271	.303	.233	.286	.244	.238	.239

MACH ALPHA CT J CONF NPR RUN POINT
 .752 -.024 0.000 0.000 2. 1.48 22. 31.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.145	1.145	1.141	1.137	1.117	1.115	1.138	1.134	1.139	1.141
.005	.508	.523	.488	.524	.380	.439	.582	.549	.554	.582
.015	-.128	-.126	-.111	-.093	-.277	-.306	-.125	-.120	-.136	
.030	-.586	-.571	-.587	-.583	-.640	-.683	-.579	-.574	-.591	-.565
.050	-.747	-.726	-.742	-.741	-.716	-.652	-.757	-.723	-.735	
.100	-.690	-.701	-.717	-.685	-.549	-.562	-.634	-.645	-.637	-.608
.175	-.640	-.639	-.647	-.619	-.599	-.586	-.678	-.699	-.690	-.675
.250	-.687	-.641	-.625	-.605	-.523	-.552	-.595	-.630	-.626	-.579
.350	-.552	-.616	-.607	-.542	-.596	-.569	-.541	-.564	-.569	-.558
.450	-.527	-.568	-.557	-.560	-.562	-.571	-.564	-.585	-.560	-.547
.500	-.532	-.550	-.557	-.572	-.538	-.545	-.536	-.557	-.541	-.533
.525	-.545	-.552	-.549	-.567	-.562	-.536	-.540	-.546	-.535	-.518
.550	-.501	-.551	-.523	-.563	-.533	-.520	-.520	-.530		-.496
.650	-.461	-.474	-.483	-.486	-.492	-.475	-.482	-.448	-.474	-.459
.750	-.372	-.373	-.378	-.379	-.385	-.378	-.385	-.385	-.371	-.377
.850	-.237	-.236	-.234	-.234	-.230	-.214	-.229	-.227	-.232	-.229
.950	-.020	-.015	-.016		-.034	-.012	-.007	-.005	-.001	-.003

LOWER SURFACE

0.000	1.145	1.145	1.141	1.137	1.117	1.115	1.138	1.134	1.139	1.141
.005	.667	.699	.694	.679	.606	.599	.508	.597	.603	.577
.015	-.030	.004	-.042	-.079	-.209	-.162	-.085	-.033	-.006	.041
.030	-.234	-.221	-.247	-.287	-.378	-.488	-.359	-.335	-.300	-.271
.050	-.407	-.426	-.428	-.502	-.579	-.611	.484	-.447	-.396	-.393
.100	-.474	-.491	-.509	-.565	-.617		-.564	-.518	-.493	-.484
.175	-.523	-.562	-.566	-.581	-.646	-.620	-.676	-.646	-.625	-.595
.250	-.576	-.593	-.729	-.580	-.539	-.561	-.545	-.513	-.526	-.523
.350	-.499	-.489	-.482	-.462	-.425	-.460	-.469	-.488	-.492	-.528
.450		-.462	-.461	-.403	-.283	-.305	-.415	-.458	-.498	-.506
.550	-.352	-.360	-.314	-.276	-.220	-.253	-.279	-.311	-.330	-.333
.650	-.058	-.034	-.031	-.014	.002	-.005	-.025	-.032	-.037	-.048
.750		.200	.203	.212	.212	.199	.203	.205	.198	.189
.850	.335	.344	.335	.344	.341	.340	.340	.333	.335	.324
.925	.394	.396	.381	.391		.397	.387	.383	.383	.376
.990	.272	.264	.269	.276	.291	.230	.292	.259	.261	.256

MACH ALPHA CT J CONF NPR RUN POINT
 .748 -.016 0.000 0.000 2. 1.79 22. 33.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.144	1.147	1.142	1.133	1.114	1.118	1.135	1.132	1.136	1.137
.005	.491	.526	.496	.529	.374	.421	.587	.548	.555	.568
.015	-.120	-.125	-.137	-.104	-.289	-.320	-.136	-.141	-.125	
.030	-.584	-.567	-.574	-.586	-.651	-.691	-.584	-.563	-.582	-.578
.050	-.755	-.719	-.740	-.756	-.711	-.650	-.763	-.723	-.710	
.100	-.675	-.700	-.706	-.690	-.556	-.565	-.632	-.638	-.640	-.608
.175	-.628	-.644	-.637	-.614	-.606	-.593	-.672	-.695	-.697	-.676
.250	-.661	-.631	-.621	-.600	-.521	-.547	-.584	-.625	-.602	-.564
.350	-.547	-.613	-.594	-.556	-.584	-.560	-.551	-.557	-.569	-.559
.450	-.519	-.567	-.547	-.554	-.563	-.569	-.556	-.577	-.561	-.542
.500	-.526	-.554	-.543	-.573	-.540	-.546	-.534	-.548	-.545	-.530
.525	-.537	-.544	-.536	-.560	-.564	-.539	-.533	-.540	-.531	-.515
.550	-.509	-.540	-.517	-.566	-.527	-.511	-.523	-.520		-.506
.650	-.453	-.473	-.481	-.486	-.491	-.472	-.480	-.446	-.478	-.455
.750	-.371	-.377	-.383	-.384	-.387	-.380	-.388	-.387	-.379	-.379
.850	-.234	-.240	-.230	-.233	-.242	-.225	-.226	-.222	-.238	-.228
.950	-.024	-.009	-.016		-.037	-.014	.001	-.004	.002	-.011

LOWER SURFACE

0.000	1.144	1.147	1.142	1.133	1.114	1.118	1.135	1.132	1.136	1.137
.005	.670	.704	.690	.679	.608	.594	.512	.577	.603	.571
.015	-.031	.002	-.036	-.082	-.186	-.169	-.105	-.044	-.003	.038
.030	-.228	-.230	-.256	-.296	-.375	-.487	-.378	-.352	-.303	-.282
.050	-.409	-.427	-.438	-.506	-.581	-.604	-.490	-.437	-.397	-.389
.100	-.476	-.500	-.500	-.567	-.624		-.575	-.523	-.494	-.470
.175	-.523	-.559	-.559	-.582	-.651	-.606	-.678	-.650	-.618	-.581
.250	-.564	-.579	-.721	-.583	-.564	-.577	-.546	-.522	-.531	-.511
.350	-.492	-.484	-.485	-.486	-.479	-.514	-.487	-.490	-.486	-.520
.450		-.464	-.461	-.403	-.273	-.304	-.416	-.453	-.497	-.496
.550	-.349	-.366	-.304	-.268	-.218	-.242	-.272	-.312	-.325	-.332
.650	-.055	-.028	-.021	-.002	.005	.006	-.011	-.035	-.042	-.053
.750		.202	.207	.220	.234	.234	.215	.204	.199	.191
.850	.338	.343	.337	.354	.381	.372	.348	.342	.332	.322
.925	.386	.392	.393	.397		.435	.400	.387	.386	.371
.990	.278	.270	.276	.284	.311	.251	.300	.262	.267	.259

MACH ALPHA CT J CONF NPR RUN POINT
 .749 .980 0.000 0.000 2. 1.79 22. 34.

WING CP DATA
 UPPER SURFACE

X/C	Y/F									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.142	1.135	1.141	1.137	1.091	1.092	1.138	1.134	1.130	1.136
.005	.363	.392	.354	.372	.142	.198	.448	.418	.425	.446
.015	-.281	-.292	-.278	-.268	-.524	-.562	-.307	-.296	-.305	
.030	-.770	-.760	-.755	-.783	-.888	-.925	-.773	-.760	-.795	-.756
.050	-.876	-.878	-.896	-.902	-.973	-.897	-.847	-.904	-.897	
.100	-.959	-.975	-.981	-1.004	-.722	-.765	-.920	-.916	-.923	-.882
.175	-.842	-.841	-.812	-.777	-.711	-.676	-.713	-.769	-.794	-.752
.250	-.631	-.616	-.552	-.657	-.587	-.599	-.610	-.723	-.741	-.756
.350	-.601	-.725	-.709	-.656	-.664	-.632	-.621	-.625	-.615	-.583
.450	-.541	-.594	-.580	-.588	-.603	-.609	-.593	-.611	-.592	-.561
.500	-.540	-.565	-.568	-.594	-.572	-.577	-.560	-.572	-.560	-.545
.525	-.556	-.566	-.557	-.578	-.589	-.562	-.550	-.559	-.555	-.534
.550	-.516	-.559	-.552	-.565	-.554	-.539	-.527	-.555		-.514
.650	-.461	-.482	-.500	-.492	-.496	-.477	-.487	-.467	-.488	-.464
.750	-.370	-.378	-.390	-.377	-.384	-.376	-.382	-.399	-.383	-.382
.850	-.224	-.231	-.240	-.226	-.236	-.218	-.221	-.238	-.236	-.225
.950	-.010	-.009	-.019		-.025	-.003	.002	-.012	-.003	.004

LOWER SURFACE

0.000	1.142	1.135	1.141	1.137	1.091	1.092	1.138	1.134	1.130	1.136
.005	.767	.807	.799	.793	.766	.760	.660	.727	.725	.699
.015	.131	.178	.131	.117	.052	.083	.113	.148	.185	.221
.030	-.086	-.052	-.085	-.128	-.159	-.246	-.166	-.155	-.104	-.109
.050	-.274	-.261	-.264	-.326	-.358	-.373	-.285	-.265	-.212	-.219
.100	-.363	-.356	-.364	-.428	-.441		-.407	-.371	-.342	-.339
.175	-.434	-.446	-.448	-.493	-.529	-.485	-.507	-.497	-.483	-.466
.250	-.496	-.484	-.599	-.490	-.473	-.502	-.462	-.432	-.446	-.436
.350	-.456	-.428	-.438	-.450	-.431	-.469	-.436	-.441	-.439	-.469
.450		-.428	-.420	-.385	-.249	-.275	-.384	-.423	-.465	-.479
.550	-.326	-.348	-.280	-.261	-.196	-.238	-.255	-.207	-.307	-.331
.650	-.049	-.022	-.005	.007	.015	.012	-.001	-.001	-.020	-.053
.750		.210	.218	.239	.247	.245	.214	.211	.203	.183
.850	.349	.354	.358	.375	.392	.398	.350	.347	.346	.322
.925	.401	.409	.397	.416		.442	.300	.399	.392	.379
.990	.273	.261	.267	.281	.313	.248	.291	.263	.263	.255

MACH ALPHA CT J CONF NPR RUN POINT
 .751 2.476 0.000 0.000 2. 1.79 22. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.114	1.097	1.099	1.098	.984	.972	1.096	1.096	1.098	1.124
.005	.186	.201	.147	.144	-.161	-.098	.230	.226	.245	.266
.015	-.469	-.493	-.496	-.492	-.824	-.869	-.548	-.518	-.502	
.030	-.927	-.942	-.946	-.975	-1.129	-1.157	-.984	-.971	-.984	-.938
.050	-1.116	-1.104	-1.141	-1.155	-1.216	-1.216	-1.179	-1.139	-1.135	
.100	-1.164	-1.176	-1.195	-1.259	-.965	-1.035	-1.233	-1.171	-1.160	-1.132
.175	-1.158	-1.172	-1.204	-1.163	-.993	-.953	-1.139	-1.178	-1.143	-1.110
.250	-1.167	-1.175	-1.182	-.940	-.964	-.987	-1.048	-1.159	-1.169	-1.141
.350	-.627	-1.093	-.935	-.956	-.956	-.939	-.924	-.943	-.965	-.610
.450	-.463	-.453	-.467	-.509	-.527	-.531	-.512	-.497	-.465	-.497
.500	-.490	-.492	-.501	-.549	-.530	-.535	-.524	-.513	-.492	-.504
.525	-.524	-.512	-.514	-.545	-.548	-.529	-.526	-.523	-.509	-.510
.550	-.496	-.513	-.505	-.549	-.524	-.514	-.516	-.518		-.499
.650	-.458	-.457	-.477	-.485	-.482	-.466	-.484	-.447	-.464	-.462
.750	-.373	-.369	-.372	-.379	-.374	-.369	-.388	-.383	-.373	-.384
.850	-.228	-.226	-.229	-.226	-.225	-.211	-.224	-.226	-.230	-.228
.950	-.022	-.013	-.011		-.029	-.009	-.009	-.004	-.000	-.008

LOWER SURFACE

0.000	1.114	1.097	1.099	1.098	.984	.972	1.096	1.096	1.098	1.124
.005	.894	.934	.938	.937	.943	.948	.844	.872	.881	.850
.015	.358	.402	.389	.369	.376	.413	.359	.371	.392	.410
.030	.123	.159	.137	.120	.123	.084	.089	.073	.097	.111
.050	-.061	-.051	-.036	-.076	-.076	-.092	-.062	-.046	-.034	-.048
.100	-.134	-.195	-.178	-.218	-.236		-.209	-.190	-.175	-.190
.175	-.281	-.307	-.298	-.322	-.365	-.357	-.355	-.347	-.333	-.325
.250	-.362	-.370	-.412	-.331	-.372	-.378	-.351	-.324	-.333	-.335
.350	-.365	-.364	-.356	-.352	-.362	-.398	-.360	-.361	-.356	-.396
.450		-.374	-.370	-.317	-.213	-.236	-.333	-.367	-.409	-.410
.550	-.305	-.318	-.251	-.220	-.176	-.211	-.224	-.247	-.275	-.285
.650	-.041	.001	.007	.024	.035	.026	.015	-.007	-.012	-.026
.750		.227	.231	.247	.260	.256	.237	.233	.219	.204
.850	.365	.370	.369	.377	.415	.402	.378	.367	.357	.348
.925	.415	.419	.412	.433		.454	.419	.415	.407	.398
.990	.281	.275	.277	.287	.314	.240	.306	.272	.264	.258

MACH ALPHA CT J CONF NPR RUN POINT
 .750 2.988 0.000 0.000 2. 1.80 22. 36.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.090	1.073	1.037	1.076	.917	.909	1.075	1.086	1.078	1.111
.005	.116	.112	.083	.067	-.281	-.218	.159	.155	.158	.203
.015	-.540	-.575	-.553	-.564	-.931	-.973	-.619	-.579	-.591	
.030	-.973	-1.000	-.991	-1.040	-1.214	-1.245	-1.051	-1.020	-1.038	-.989
.050	-1.170	-1.177	-1.199	-1.218	-1.296	-1.291	-1.237	-1.197	-1.208	
.100	-1.220	-1.249	-1.262	-1.323	-1.055	-1.095	-1.302	-1.238	-1.231	-1.200
.175	-1.215	-1.244	-1.268	-1.231	-1.051	-1.009	-1.218	-1.241	-1.219	-1.171
.250	-1.235	-1.249	-1.250	-1.066	-1.037	-1.059	-1.128	-1.246	-1.243	-1.214
.350	-1.075	-1.279	-1.156	-1.063	-1.038	-1.057	-1.041	-1.162	-1.217	-.982
.450	-.414	-.413	-.449	-.461	-.632	-.615	-.460	-.450	-.435	-.430
.500	-.449	-.417	-.427	-.473	-.483	-.479	-.460	-.444	-.427	-.457
.525	-.474	-.439	-.441	-.477	-.486	-.469	-.469	-.459	-.443	-.464
.550	-.463	-.447	-.459	-.492	-.480	-.468	-.467	-.483		-.467
.650	-.437	-.434	-.454	-.449	-.452	-.438	-.450	-.426	-.447	-.444
.750	-.356	-.364	-.361	-.365	-.362	-.356	-.371	-.371	-.370	-.369
.850	-.216	-.228	-.218	-.218	-.214	-.201	-.213	-.216	-.232	-.213
.950	-.012	-.016	-.000		-.030	-.009	.000	.009	-.008	-.001

LOWER SURFACE

0.000	1.090	1.073	1.087	1.076	.917	.909	1.075	1.086	1.078	1.111
.005	.930	.982	.975	.977	.987	.987	.891	.902	.915	.884
.015	.429	.484	.445	.445	.474	.493	.411	.436	.457	.466
.030	.188	.241	.192	.202	.230	.170	.152	.139	.167	.168
.050	.010	.035	.013	.001	.025	-.004	.001	.006	.056	.010
.100	-.123	-.129	-.140	-.157	-.159		-.159	-.137	-.124	-.143
.175	-.242	-.254	-.259	-.265	-.295	-.286	-.314	-.297	-.276	-.290
.250	-.333	-.318	-.377	-.274	-.333	-.335	-.319	-.297	-.290	-.305
.350	-.338	-.341	-.344	-.323	-.332	-.359	-.335	-.345	-.323	-.375
.450		-.355	-.358	-.302	-.190	-.215	-.317	-.355	-.378	-.389
.550	-.287	-.308	-.248	-.207	-.173	-.197	-.218	-.249	-.250	-.271
.650	-.028	.001	.010	.031	.039	.039	.021	-.010	.000	-.019
.750		.228	.234	.255	.263	.267	.242	.228	.229	.213
.850	.379	.375	.374	.393	.414	.415	.383	.361	.357	.360
.925	.421	.419	.416	.436			.427	.419	.406	.402
.990	.285	.268	.280	.294	.314	.240	.316	.267	.269	.264

MACH ALPHA CT J CONF NPR RUN POINT
 .799 -.017 0.000 0.000 2. 1.50 22. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.171	1.172	1.161	1.156	1.139	1.144	1.159	1.154	1.162	1.162
.005	.574	.597	.570	.590	.457	.508	.644	.621	.619	.643
.015	-.014	-.012	-.018	-.001	-.181	-.214	-.031	-.023	-.028	
.030	-.461	-.457	-.468	-.471	-.535	-.592	-.467	-.463	-.484	-.460
.050	-.623	-.603	-.633	-.630	-.649	-.596	-.659	-.629	-.624	
.100	-.685	-.701	-.706	-.746	-.539	-.542	-.661	-.653	-.631	-.618
.175	-.703	-.701	-.690	-.644	-.624	-.585	-.631	-.625	-.637	-.627
.250	-.774	-.698	-.681	-.663	-.601	-.667	-.714	-.742	-.728	-.748
.350	-.742	-.787	-.767	-.686	-.670	-.647	-.704	-.746	-.778	-.802
.450	-.665	-.772	-.725	-.737	-.744	-.738	-.733	-.733	-.800	-.784
.500	-.646	-.744	-.752	-.811	-.765	-.788	-.791	-.764	-.755	-.628
.525	-.639	-.739	-.765	-.820	-.825	-.802	-.802	-.788	-.739	-.567
.550	-.575	-.727	-.734	-.849	-.809	-.804	-.806	-.752		-.521
.650		-.453	-.426	-.426	-.434	-.425	-.420	-.401	-.445	-.485
.750		-.349	-.340	-.326	-.316	-.311	-.329	-.348	-.351	-.382
.850	-.213	-.207	-.196	-.194	-.183	-.171	-.188	-.188	-.203	-.205
.950	.008	.016	.023		-.005	.013	.016	.034	.026	.020

LOWER SURFACE

0.000	1.171	1.172	1.161	1.156	1.139	1.144	1.159	1.154	1.162	1.162
.005	.694	.712	.716	.699	.618	.624	.526	.615	.623	.601
.015	.012	.034	-.014	-.046	-.183	-.105	-.050	.002	.045	.097
.030	-.191	-.185	-.231	-.247	-.346	-.451	-.332	-.310	-.261	-.238
.050	-.395	-.404	-.435	-.486	-.570	-.582	-.452	-.416	-.381	-.378
.100	-.475	-.498	-.521	-.569	-.658		-.590	-.532	-.499	-.471
.175	-.590	-.642	-.651	-.667	-.748	-.859	-.687	-.668	-.674	-.660
.250	-.681	-.729	-.850	-.798	-.789	-.843	-.825	-.744	-.760	-.733
.350	-.719	-.767	-.739	-.526	-.486	-.508	-.611	-.823	-.808	-.713
.450		-.419	-.447	-.395	-.288	-.314	-.400	-.433	-.439	-.538
.550	-.340	-.343	-.298	-.271	-.208	-.251	-.271	-.299	-.310	-.316
.650	-.034	-.003	.004	.006	.011	-.008	-.001	-.019	-.016	-.020
.750		.217	.222	.219	.205	.205	.223	.215	.215	.209
.850	.342	.353	.340	.343	.340	.340	.357	.345	.344	.341
.925	.394	.405	.396	.397		.401	.406	.396	.394	.390
.990	.286	.286	.291	.285	.294	.235	.318	.276	.272	.282

MACH ALPHA CT J CONF NPR RUN POINT
 .800 -.019 0.000 0.000 2. 1.79 22. 17.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.167	1.162	1.170	1.157	1.138	1.140	1.160	1.160	1.153	1.157
.005	.585	.596	.574	.592	.446	.503	.649	.622	.618	.645
.015	-.024	-.012	-.012	.008	-.196	-.222	-.021	-.025	-.023	
.030	.477	-.453	-.448	-.454	-.542	-.590	-.454	-.446	-.481	-.467
.050	-.618	-.595	-.612	-.619	-.656	-.607	-.648	-.611	-.625	
.100	-.693	-.700	-.703	-.746	-.534	-.538	-.660	-.646	-.649	-.618
.175	-.705	-.714	-.704	-.637	-.610	-.573	-.623	-.629	-.654	-.628
.250	-.784	-.716	-.672	-.661	-.581	-.652	-.709	-.735	-.727	-.753
.350	-.756	-.794	-.748	-.680	-.659	-.637	-.699	-.734	-.782	-.804
.450	-.675	-.773	-.716	-.735	-.735	-.730	-.732	-.722	-.804	-.811
.500	-.658	-.737	-.745	-.800	-.754	-.777	-.777	-.757	-.758	-.657
.525	-.622	-.699	-.755	-.823	-.819	-.796	-.805	-.780	-.702	-.567
.550	-.556	-.671	-.791	-.845	-.798	-.791	-.801	-.813		-.508
.650	-.494	-.455	-.444	-.484	-.415	-.410	-.466	-.406	-.449	-.483
.750	-.363	-.341	-.332	-.323	-.328	-.322	-.328	-.337	-.345	-.369
.850	-.212	-.202	-.198	-.194	-.193	-.180	-.187	-.190	-.199	-.205
.950	.014	.028	.017		.001	.019	.020	.025	.035	.026

LOWER SURFACE

0.000	1.167	1.162	1.170	1.157	1.138	1.140	1.160	1.160	1.153	1.157
.005	.685	.725	.727	.704	.628	.625	.533	.610	.620	.602
.015	.011	.037	.002	-.044	-.179	-.119	-.056	-.004	.020	.088
.030	-.203	-.182	-.222	-.254	-.343	-.459	-.324	-.308	-.271	-.233
.050	-.404	-.416	-.431	-.494	-.570	-.612	-.456	-.417	-.379	-.369
.100	-.486	-.509	-.512	-.583	-.659		-.585	-.529	-.491	-.458
.175	-.604	-.648	-.639	-.686	-.760	-.861	-.682	-.666	-.668	-.649
.250	-.707	-.737	-.845	-.814	-.807	-.843	-.816	-.732	-.750	-.719
.350	-.750	-.789	-.748	-.791	-.743	-.724	-.665	-.804	-.807	-.692
.450		-.440	-.424	-.384	-.283	-.290	-.396	-.419	-.408	-.527
.550	-.327	-.330	-.273	-.254	-.201	-.232	-.252	-.283	-.300	-.318
.650	-.025	.002	.010	.015	.019	.025	.006	-.003	-.006	-.025
.750		.219	.229	.234	.237	.241	.228	.224	.210	.198
.850	.348	.363	.354	.363	.388	.388	.363	.357	.339	.329
.925	.405	.421	.410	.417		.432	.406	.411	.392	.386
.990	.289	.306	.298	.300	.330	.252	.314	.283	.271	.273

C-2

MACH ALPHA CT J CONF NPR RUN POINT
 .800 .989 0.000 0.000 2. 1.80 22. 18.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.166	1.162	1.167	1.154	1.124	1.126	1.156	1.154	1.152	1.156
.005	.485	.503	.470	.482	.303	.351	.542	.525	.526	.548
.015	-.124	-.134	-.128	-.115	-.353	-.391	-.158	-.147	-.145	
.030	-.591	-.580	-.586	-.604	-.703	-.744	-.598	-.594	-.614	-.586
.050	-.708	-.711	-.731	-.737	-.807	-.765	-.780	-.745	-.728	
.100	-.819	-.825	-.842	-.885	-.657	-.695	-.846	-.803	-.796	-.781
.175	-.832	-.849	-.861	-.799	-.733	-.689	-.757	-.824	-.814	-.781
.250	-.899	-.880	-.827	-.762	-.711	-.743	-.778	-.816	-.863	-.858
.350	-.907	-.878	-.854	-.787	-.773	-.761	-.780	-.799	-.818	-.900
.450	-.904	-.681	-.851	-.816	-.829	-.832	-.824	-.874	-.877	-.902
.500	-.800	-.901	-.877	-.872	-.859	-.877	-.860	-.891	-.915	-.897
.525	-.657	-.897	-.872	-.895	-.932	-.899	-.891	-.902	-.908	-.777
.550	-.486	-.932	-.872	-.925	-.904	-.897	-.901	-.899		-.565
.650	-.419	-.383	-.411	-.530	-.527	-.533	-.532	-.407	-.384	-.417
.750	-.349	-.306	-.289	-.281	-.280	-.273	-.281	-.289	-.303	-.354
.850	-.205	-.188	-.176	-.171	-.168	-.155	-.163	-.167	-.183	-.198
.950	.010	.027	.027		.001	.019	.029	.037	.034	.022

LOWER SURFACE

0.000	1.166	1.162	1.167	1.154	1.124	1.126	1.156	1.154	1.152	1.156
.005	.773	.810	.799	.792	.755	.750	.651	.715	.723	.702
.015	.141	.172	.133	.109	.041	.084	.106	.144	.174	.209
.030	-.074	-.057	-.091	-.107	-.170	-.256	-.168	-.158	-.124	-.095
.050	-.263	-.272	-.276	-.328	-.390	-.401	-.304	-.274	-.238	-.242
.100	-.362	-.389	-.384	-.444	-.501		-.433	-.396	-.378	-.356
.175	-.485	-.519	-.521	-.545	-.640	-.716	-.615	-.588	-.576	-.565
.250	-.584	-.619	-.733	-.680	-.649	-.676	-.624	-.643	-.619	-.549
.350	-.607	-.577	-.511	-.473	-.487	-.526	-.528	-.498	-.545	-.637
.450		-.482	-.471	-.403	-.265	-.284	-.419	-.493	-.544	-.564
.550	-.337	-.347	-.285	-.257	-.200	-.224	-.254	-.294	-.310	-.320
.650	-.022	.004	.013	.023	.031	.026	.014	-.008	-.008	-.019
.750		.231	.238	.241	.250	.248	.234	.227	.217	.213
.850	.363	.366	.364	.373	.395	.387	.372	.361	.352	.346
.925	.417	.410	.420	.417		.439	.418	.409	.404	.398
.990	.303	.294	.297	.306	.323	.254	.326	.285	.283	.280

MACH ALPHA CT J CONF NPR RUN POINT
 .800 2.481 0.000 0.000 2. 1.80 22. 19.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.146	1.150	1.142	1.061	1.056	1.143	1.145	1.144	1.142
.005	.339	.351	.311	.325	.058	.112	.405	.373	.381	.404
.015	-.278	-.293	-.294	-.281	-.587	-.627	-.323	-.320	-.307	
.030	-.720	-.723	-.725	-.746	-.896	-.919	-.747	-.752	-.763	-.733
.050	-.893	-.882	-.917	-.932	-.992	-.997	-.951	-.912	-.912	
.100	-.955	-.967	-.995	-1.036	-.824	-.857	-1.013	-.965	-.957	-.929
.175	-.989	-.996	-1.017	-1.005	-.853	-.817	-.993	-.996	-.968	-.946
.250	-1.030	-1.028	-1.037	-.937	-.844	-.865	-.917	-1.039	-1.024	-1.010
.350	-1.050	-1.097	-.988	-.914	-.923	-.895	-.894	-.943	-1.040	-1.056
.450	-1.075	-1.007	-.959	-.978	-.960	-.965	-.969	-.970	-.989	-1.084
.500	-1.113	-1.003	-.992	-1.017	-.990	-1.015	-.998	-.997	-1.014	-1.109
.525	-1.131	-1.009	-1.014	-1.017	-1.066	-1.031	-1.014	-1.027	-1.018	-1.101
.550	-.963	-1.038	-1.022	-1.042	-1.030	-1.028	-1.018	-1.029		-.956
.650	-.355	-.448	-.478	-.474	-.449	-.444	-.471	-.463	-.440	-.372
.750	-.267	-.251	-.265	-.279	-.319	-.310	-.275	-.268	-.259	-.274
.850	-.167	-.146	-.147	-.161	-.210	-.196	-.154	-.142	-.144	-.162
.950	.020	.027	.011		-.085	-.066	-.004	.022	.034	.032

LOWER SURFACE

0.000	1.147	1.146	1.150	1.142	1.061	1.056	1.143	1.145	1.144	1.142
.005	.872	.916	.921	.922	.912	.904	.815	.845	.846	.827
.015	.312	.359	.337	.326	.308	.325	.309	.342	.357	.387
.030	.089	.127	.090	.084	.066	-.001	.041	.040	.058	.073
.050	-.094	-.085	-.091	-.136	-.140	-.158	-.105	-.093	-.053	-.063
.100	-.229	-.226	-.231	-.275	-.299		-.268	-.242	-.214	-.212
.175	-.348	-.360	-.351	-.387	-.448	-.419	-.446	-.439	-.413	-.391
.250	-.457	-.496	-.601	-.564	-.489	-.483	-.437	-.404	-.402	-.382
.350	-.439	-.435	-.440	-.444	-.434	-.467	-.438	-.435	-.442	-.463
.450		-.447	-.446	-.380	-.239	-.258	-.381	-.445	-.505	-.530
.550	-.334	-.333	-.280	-.253	-.197	-.235	-.247	-.285	-.301	-.318
.650	-.022	.004	.008	.022	.029	.015	.013	-.013	-.001	-.019
.750		.230	.233	.236	.254	.247	.225	.227	.228	.217
.850	.371	.368	.371	.374	.392	.393	.367	.363	.364	.350
.925	.428	.420	.419	.412		.436	.412	.421	.413	.404
.990	.300	.292	.289	.262	.259	.178	.284	.273	.280	.288

MACH ALPHA CT J CONF NPR RUN POINT
 .799 2.990 0.000 0.000 2. 1.80 22. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.149	1.132	1.136	1.129	1.026	1.020	1.130	1.129	1.131	1.150
.005	.276	.291	.249	.253	-.035	.026	.333	.321	.329	.350
.015	-.336	-.350	-.344	-.351	-.676	-.705	-.400	-.371	-.365	
.030	-.764	-.774	-.775	-.814	-.964	-.987	-.822	-.807	-.814	-.784
.050	-.951	-.936	-.967	-.991	-1.057	-1.056	-1.013	-.972	-.967	
.100	-1.019	-1.020	-1.052	-1.099	-.905	-.912	-1.077	-1.031	-1.010	-.991
.175	-1.049	-1.051	-1.074	-1.064	-.887	-.852	-1.058	-1.053	-1.027	-1.004
.250	-1.092	-1.074	-1.094	-1.010	-.886	-.907	-.983	-1.100	-1.075	-1.072
.350	-1.089	-1.136	-1.033	-.957	-.973	-.939	-.941	-1.005	-1.088	-1.103
.450	-1.108	-1.035	-.987	-1.018	-1.000	-1.005	-1.004	-1.001	-1.032	-1.129
.500	-1.138	-1.016	-1.020	-1.059	-1.030	-1.054	-1.031	-1.028	-1.034	-1.154
.525	-1.162	-1.025	-1.037	-1.065	-1.090	-1.059	-1.056	-1.053	-1.043	-1.156
.550	-1.072	-1.058	-1.034	-1.081	-.940	-.963	-1.059	-1.058		-1.001
.650	-.397	-.457	-.442	-.454	-.459	-.449	-.449	-.422	-.448	-.413
.750	-.242	-.255	-.265	-.299	-.344	-.332	-.293	-.264	-.265	-.254
.850	-.150	-.137	-.143	-.177	-.239	-.223	-.172	-.137	-.137	-.148
.950	.022	.025	.010		-.128	-.109	-.040	.020	.030	.032

LOWER SURFACE

0.000	1.149	1.132	1.136	1.129	1.026	1.020	1.130	1.129	1.131	1.150
.005	.914	.959	.951	.953	.950	.952	.860	.888	.888	.862
.015	.385	.422	.396	.387	.386	.430	.388	.402	.415	.429
.030	.160	.191	.156	.155	.148	.099	.108	.096	.125	.127
.050	-.029	-.021	-.034	-.050	-.056	-.070	-.047	-.024	-.002	-.024
.100	-.168	-.173	-.177	-.205	-.236		-.219	-.178	-.174	-.170
.175	-.294	-.316	-.313	-.331	-.392	-.371	-.403	-.369	-.365	-.346
.250	-.397	-.425	-.498	-.394	-.429	-.427	-.397	-.354	-.374	-.356
.350	-.411	-.407	-.407	-.408	-.414	-.450	-.420	-.406	-.422	-.444
.450		-.426	-.426	-.358	-.233	-.260	-.379	-.431	-.481	-.494
.550	-.329	-.337	-.278	-.248	-.193	-.238	-.250	-.289	-.302	-.299
.650	-.024	.005	-.001	.014	.029	.018	.005	-.015	-.005	-.016
.750		.234	.225	.234	.244	.242	.239	.224	.226	.221
.850	.371	.374	.360	.368	.392	.390	.372	.363	.360	.359
.925	.424	.429	.413	.405		.431	.414	.413	.413	.409
.990	.297	.285	.271	.228	.240	.145	.275	.263	.267	.290

MACH ALPHA CT J CONF NPR RUN POINT
 .500 -.002 .061 2.066 3. .99 3. 10.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.057	1.048	1.036	1.123	.975	1.041	1.169	1.055	1.060	1.058
.005	.211	.175	.073	-.063	-.174	.168	.461	.332	.290	.275
.015	-.405	-.480	-.574	-.797	-.828	-.577	-.341	-.366	-.414	-.311
.030	-.708	-.780	-.856	-1.089	-1.020	-.800	-.674	-.637	-.678	-.652
.050	-.694	-.753	-.834	-.988	-.946	-.717	-.717	-.634	-.663	-.654
.100	-.566	-.611	-.646	-.718	-.710	-.629	-.569	-.511	-.528	-.546
.175	-.508	-.531	-.533	-.563	-.578	-.519	-.522	-.485	-.498	-.488
.250	-.466	-.459	-.466	-.495	-.485	-.445	-.420	-.462	-.424	-.417
.350	-.442	-.472	-.453	-.407	-.349	-.331	-.384	-.414	-.409	-.437
.450	-.406	-.410	-.384	-.355	-.227	-.220	-.343	-.390	-.393	-.404
.500	-.399	-.400	-.373	-.349	-.208	-.205	-.326	-.369	-.384	-.392
.525	-.412	-.394	-.362	-.336	-.222	-.209	-.321	-.361	-.375	-.387
.550	-.386	-.387	-.353	-.325	-.198	-.188	-.303	-.356		-.376
.650	-.359	-.345	-.344	-.290	-.196	-.184	-.299	-.310	-.345	-.352
.750	-.307	-.300	-.281	-.245	-.173	-.174	-.271	-.305	-.298	-.314
.850	-.220	-.229	-.212	-.176	-.126	-.138	-.193	-.219	-.236	-.218
.950	-.051	-.054	-.062	-.065	-.091	-.093	-.070	-.056	-.046	-.040

LOWER SURFACE

0.000	1.057	1.048	1.036	1.123	.975	1.041	1.169	1.055	1.060	1.058
.005	.639	.689	.713	.858	.704	.559	.445	.564	.573	.520
.015	-.022	.026	.089	.201	.032	-.120	-.179	-.054	.010	.035
.030	-.173	-.133	-.100	-.049	-.121	-.334	-.367	-.315	-.243	-.195
.050	-.298	-.246	-.251	-.221	-.233	-.358	-.416	-.340	-.294	-.304
.100	-.316	-.293	-.300	-.304	-.253	-.345	-.410	-.369	-.336	-.329
.175	-.346	-.330	-.336	-.334	-.297	-.379	-.412	-.403	-.395	-.376
.250	-.371	-.362	-.389	-.374	-.295	-.355	-.363	-.363	-.364	-.371
.350	-.343	-.341	-.352	-.368	-.319	-.372	-.369	-.371	-.418	-.365
.450		-.339	-.373	-.360	-.354	-.372	-.366	-.363	-.391	-.367
.550	-.288	-.335	-.288	-.303	-.291	-.328	-.283	-.289	-.290	-.272
.650	-.081	-.056	-.073	-.012	-.090	-.089	-.074	-.093	-.073	-.076
.750	.146	.145	.147	.128	.114	.122	.136	.128	.144	.140
.850	.291	.295	.305	.299	.257	.256	.280	.281	.290	.285
.925	.336	.335	.349	.360	.298	.291	.325	.331	.340	.328
.990	.207	.202	.208	.203	.135	.079	.222	.198	.198	.209

MACH ALPHA CT J CONF NPR RUN POINT
 .500 .017 .197 2.070 3. 1.03 4. 18.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.050	1.039	1.011	1.193	.908	1.082	1.295	1.056	1.060	1.056
.005	.198	.122	-.064	-.350	-.519	-.409	.755	.435	.322	.263
.015	-.453	-.568	-.737	-1.151	-1.209	-.325	-.053	-.228	-.344	-.304
.030	-.739	-.832	-1.064	-1.458	-1.400	-.631	-.474	-.559	-.594	-.652
.050	-.718	-.827	-1.005	-1.272	-1.230	-.615	-.593	-.595	-.627	-.637
.100	-.575	-.660	-.757	-.846	-.865	-.572	-.510	-.508	-.492	-.536
.175	-.499	-.550	-.604	-.654	-.669	-.511	-.509	-.491	-.477	-.473
.250	-.470	-.486	-.512	-.559	-.542	-.451	-.419	-.482	-.414	-.409
.350	-.444	-.500	-.490	-.447	-.388	-.362	-.393	-.430	-.416	-.420
.450	-.410	-.431	-.412	-.389	-.271	-.253	-.365	-.408	-.391	-.395
.500	-.407	-.417	-.400	-.381	-.259	-.255	-.351	-.387	-.388	-.389
.525	-.421	-.405	-.393	-.377	-.268	-.263	-.355	-.387	-.374	-.386
.550	-.388	-.402	-.376	-.362	-.246	-.252	-.337	-.374		-.369
.650	-.364	-.356	-.360	-.317	-.248	-.242	-.338	-.332	-.353	-.352
.750	-.308	-.310	-.291	-.266	-.212	-.217	-.307	-.332	-.307	-.309
.850	-.226	-.228	-.208	-.173	-.144	-.159	-.221	-.234	-.235	-.220
.950	-.055	-.057	-.053	-.026	-.052	-.049	-.063	-.056	-.044	-.041

LOWER SURFACE

0.000	1.050	1.039	1.011	1.193	.908	1.082	1.295	1.056	1.060	1.056
.005	.641	.732	.786	1.102	.896	.420	.231	.484	.535	.537
.015	.041	.105	.188	.431	.252	-.342	-.429	-.149	-.038	.067
.030	-.165	-.074	-.032	.129	.026	-.514	-.570	-.373	-.256	-.191
.050	-.260	-.199	-.183	-.095	-.127	-.487	-.571	-.393	-.308	-.276
.100	-.290	-.267	-.268	-.254	-.205	-.405	-.494	-.400	-.346	-.324
.175	-.312	-.306	-.310	-.303	-.278	-.418	-.454	-.424	-.404	-.378
.250	-.362	-.335	-.386	-.361	-.292	-.378	-.390	-.372	-.359	-.371
.350	-.333	-.328	-.352	-.353	-.322	-.385	-.385	-.368	-.414	-.370
.450		-.336	-.374	-.368	-.355	-.372	-.375	-.361	-.384	-.360
.550	-.269	-.311	-.291	-.308	-.304	-.314	-.290	-.285	-.290	-.269
.650	-.071	-.047	-.066	-.028	-.078	-.058	-.060	-.088	-.070	-.076
.750	.150	.157	.164	.169	.158	.154	.159	.141	.153	.146
.850	.294	.313	.347	.355	.321	.284	.305	.293	.294	.291
.925	.344	.347	.409	.427	.342	.339	.362	.353	.347	.342
.990	.210	.215	.245	.251	.195	.135	.262	.217	.216	.209

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.499	.006	.274	2.074	3.	1.08	5.	19.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.053	1.022	1.000	1.184	.856	1.097	1.336	1.049	1.055	1.060
.005	.175	.074	-.135	-.539	-.739	.516	.898	.488	.346	.289
.015	-.478	-.630	-.821	-1.406	-1.476	-.229	.078	-.156	-.317	-.330
.030	-.774	-.928	-1.139	-1.740	-1.604	-.541	-.396	-.496	-.605	-.648
.050	-.763	-.859	-1.054	-1.456	-1.380	-.537	-.538	-.548	-.587	-.645
.100	-.600	-.696	-.797	-.932	-.944	-.569	-.481	-.487	-.490	-.534
.175	-.513	-.589	-.638	-.700	-.705	-.489	-.501	-.484	-.484	-.472
.250	-.487	-.508	-.546	-.587	-.563	-.448	-.411	-.487	-.412	-.413
.350	-.452	-.512	-.503	-.470	-.406	-.374	-.398	-.426	-.411	-.419
.450	-.416	-.444	-.423	-.411	-.304	-.269	-.374	-.408	-.396	-.396
.500	-.413	-.422	-.408	-.403	-.283	-.277	-.364	-.388	-.385	-.387
.525	-.421	-.411	-.399	-.392	-.319	-.290	-.362	-.387	-.373	-.380
.550	-.395	-.413	-.385	-.388	-.285	-.280	-.356	-.386		-.368
.650	-.369	-.362	-.369	-.345	-.280	-.279	-.267	-.340	-.358	-.351
.750	-.310	-.309	-.289	-.289	-.240	-.257	-.337	-.334	-.306	-.308
.850	-.221	-.229	-.221	-.188	-.169	-.181	-.246	-.251	-.234	-.213
.950	-.057	-.054	-.055	-.030	-.052	-.031	-.078	-.061	-.040	-.044

LOWER SURFACE

0.000	1.053	1.022	1.000	1.184	.856	1.097	1.336	1.049	1.055	1.060
.005	.673	.759	.806	1.218	.968	.331	.069	.427	.525	.513
.015	.044	.139	.243	.560	.349	-.459	-.596	-.170	-.041	.061
.030	-.128	-.047	.014	.201	.093	-.598	-.728	-.395	-.256	-.220
.050	-.256	-.175	-.156	-.043	-.079	-.550	-.664	-.413	-.311	-.287
.100	-.279	-.256	-.251	-.215	-.185	-.436	-.555	-.426	-.355	-.331
.175	-.307	-.295	-.305	-.300	-.275	-.431	-.487	-.444	-.394	-.377
.250	-.352	-.328	-.377	-.359	-.295	-.387	-.401	-.381	-.362	-.359
.350	-.323	-.314	-.353	-.362	-.329	-.381	-.390	-.368	-.412	-.357
.450		-.327	-.374	-.371	-.367	-.372	-.370	-.360	-.380	-.359
.550	-.264	-.310	-.293	-.311	-.302	-.304	-.281	-.275	-.277	-.266
.650	-.064	-.039	-.060	-.040	-.073	-.037	-.055	-.077	-.068	-.065
.750	.153	.168	.170	.187	.169	.180	.115	.148	.151	.140
.850	.308	.319	.364	.386	.347	.293	.319	.305	.294	.292
.925	.349	.357	.442	.463	.367	.341	.363	.363	.349	.334
.990	.212	.225	.213	.280	.228	.164	.266	.230	.213	.209

MACH ALPHA CT J CONF NPR RUN POINT
.499 -.016 .372 2.499 3. .96 20. 11.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.050	1.020	.989	1.148	.831	1.054	1.279	1.039	1.044	1.051
.005	.185	.041	-.158	-.593	-.815	.672	.981	.531	.390	.356
.015	-.443	-.646	-.861	-1.447	-1.562	-.037	.215	-.091	-.266	
.030	-.738	-.915	-1.152	-1.742	-1.688	-.408	-.248	-.427	-.564	-.601
.050	-.707	-.869	-1.063	-1.457	-1.444	-.445	-.413	-.503	-.561	
.100	-.587	-.697	-.793	-.923	-.939	-.459	-.405	-.460	-.457	-.489
.175	-.492	-.564	-.624	-.691	-.685	-.444	-.458	-.425	-.451	-.454
.250	-.460	-.505	-.522	-.554	-.530	-.432	-.382	-.464	-.400	-.393
.350	-.440	-.504	-.487	-.437	-.310	-.324	-.361	-.427	-.399	-.412
.450	-.409	-.430	-.415	-.358	-.112	-.210	-.328	-.401	-.375	-.386
.500	-.408	-.404	-.399	-.350	-.151	-.228	-.314	-.386	-.366	-.387
.525	-.407	-.408	-.379	-.335	-.185	-.236	-.315	-.373	-.374	-.372
.550	-.389	-.413	-.359	-.330	-.192	-.208	-.308	-.358		-.366
.650	-.359	-.351	-.333	-.283	-.292	-.192	-.308	-.320	-.354	-.343
.750	-.307	-.303	-.265	-.221	-.315	-.243	-.286	-.317	-.314	-.305
.850	-.217	-.225	-.165	-.155	-.265	-.192	-.225	-.227	-.247	-.210
.950	-.054	-.044	-.020	-.024	-.131	-.107	-.074	-.064	-.052	-.044

LOWER SURFACE

0.000	1.050	1.020	.989	1.148	.831	1.054	1.279	1.039	1.044	1.051
.005	.658	.779	.827	1.221	1.002	.172	-.026	.338	.488	.492
.015	.042	.176	.251	.576	.396	-.594	-.738	-.267	-.087	-.006
.030	-.146	-.020	.009	.237	.130	-.697	-.828	-.476	-.314	-.261
.050	-.250	-.177	-.154	-.020	-.056	-.608	-.738	-.468	-.348	-.325
.100	-.288	-.243	-.239	-.200	-.177		-.586	-.448	-.380	-.340
.175	-.312	-.306	-.304	-.276	-.276	-.414	-.519	-.456	-.421	-.415
.250	-.342		-.354	-.361	-.301	-.400	-.421	-.392	-.388	-.393
.350	-.313	-.335	-.335	-.349	-.348	-.397	-.417	-.388	-.358	-.382
.450		-.334	-.373	-.365	-.370	-.382	-.404	-.383	-.388	-.365
.550	-.268	-.296	-.299	-.307	-.335	-.318	-.303	-.294	-.291	-.277
.650	-.072	-.045	-.072	-.063	-.096	-.050	-.062	-.102	-.077	-.073
.750		.167	.173	.181	.160	.154	.134	.125	.138	.153
.850	.314	.326	.357	.387	.345	.257	.292	.290	.283	.294
.925	.356	.371	.442	.459		.291	.361	.352	.328	.347
.990	.224	.220	.258	.279	.244	.070	.241	.221	.207	.221

MACH ALPHA CT J CONF NPR RUN POINT
 .501 .002 .401 2.084 3. 1.31 6. 34.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.044	1.009	.947	1.195	.686	1.067	1.385	1.017	1.058	1.056
.005	.103	-.035	-.334	-.893	-1.178	.750	1.204	.580	.373	.290
.015	-.528	-.745	-1.083	-1.927	-2.017	.044	.368	-.057	-.268	-.290
.030	-.797	-1.035	-1.406	-2.425	-2.105	-.321	-.169	-.430	-.549	-.625
.050	-.782	-.965	-1.274	-1.946	-1.720	-.386	-.377	-.508	-.545	-.628
.100	-.622	-.758	-.909	-1.133	-1.105	-.452	-.428	-.446	-.439	-.523
.175	-.538	-.628	-.704	-.801	-.757	-.427	-.482	-.458	-.454	-.468
.250	-.504	-.547	-.601	-.662	-.625	-.444	-.404	-.478	-.399	-.409
.350	-.477	-.545	-.546	-.536	-.459	-.388	-.413	-.432	-.411	-.422
.450	-.456	-.474	-.461	-.459	-.437	-.302	-.388	-.424	-.403	-.418
.500	-.431	-.432	-.442	-.455	-.364	-.319	-.386	-.405	-.376	-.392
.525	-.440	-.440	-.434	-.441	-.384	-.336	-.389	-.408	-.389	-.384
.550	-.416	-.426	-.410	-.433	-.360	-.330	-.376	-.397		-.374
.650	-.375	-.374	-.387	-.378	-.336	-.343	-.399	-.356	-.363	-.346
.750	-.327	-.326	-.311	-.315	-.304	-.328	-.379	-.364	-.322	-.309
.850	-.227	-.234	-.227	-.206	-.228	-.239	-.280	-.272	-.243	-.210
.950	-.056	-.058	-.060	-.035	-.090	-.034	-.091	-.069	-.043	-.039

LOWER SURFACE

0.000	1.044	1.009	.947	1.195	.686	1.067	1.385	1.017	1.058	1.056
.005	.703	.803	.869	1.431	1.092	.067	-.176	.310	.506	.540
.015	.096	.224	.319	.800	.540	-.746	-.978	-.323	-.071	.051
.030	-.079	.028	.075	.405	.227	-.816	-1.012	-.519	-.323	-.193
.050	-.219	-.116	-.097	.100	.024	-.706	-.889	-.517	-.365	-.299
.100	-.263	-.202	-.202	-.141	-.127	-.529	-.656	-.466	-.375	-.327
.175	-.276	-.261	-.279	-.262	-.252	-.503	-.548	-.475	-.418	-.378
.250	-.330	-.299	-.360	-.350	-.279	-.415	-.425	-.381	-.375	-.362
.350	-.310	-.303	-.334	-.362	-.330	-.402	-.404	-.378	-.411	-.360
.450		-.307	-.377	-.374	-.376	-.381	-.378	-.347	-.383	-.358
.550	-.266	-.296	-.291	-.325	-.320	-.286	-.288	-.264	-.277	-.261
.650	-.079	-.036	-.057	-.125	-.061	-.006	-.068	-.071	-.062	-.068
.750	.157	.180	.200	.205	.202	.204	.165	.164	.162	.146
.850	.304	.332	.414	.418	.396	.307	.333	.319	.303	.292
.925	.345	.396	.505	.528	.468	.357	.397	.374	.359	.338
.990	.219	.226	.288	.312	.261	.197	.296	.253	.224	.218

MACH ALPHA CT J CONF NPR RUN POINT
 .500 -.009 .425 2.499 3. 1.03 19. 30.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.051	1.025	.972	1.115	.754	1.046	1.284	1.035	1.057	1.050
.005	.154	.012	-.260	-.801	-1.085	.746	1.078	.554	.416	.352
.015	-.471	-.707	-.958	-1.719	-1.842	.065	.290	-.057	-.285	
.030	-.785	-.954	-1.255	-2.036	-1.906	-.305	-.191	-.385	-.546	-.624
.050	-.760	-.898	-1.159	-1.680	-1.591	-.366	-.382	-.491	-.535	
.100	-.606	-.731	-.836	-1.040	-1.051	-.447	-.402	-.431	-.451	-.509
.175	-.514	-.589	-.672	-.748	-.768	-.460	-.444	-.431	-.437	-.472
.250	-.473	-.520	-.557	-.613	-.596	-.438	-.391	-.471	-.392	-.405
.350	-.456	-.504	-.519	-.487	-.381	-.362	-.374	-.414	-.377	-.419
.450	-.433	-.452	-.438	-.403	-.155	-.214	-.340	-.407	-.384	-.405
.500	-.410	-.429	-.409	-.393	-.194	-.226	-.327	-.380	-.380	-.382
.525	-.427	-.420	-.400	-.368	-.229	-.222	-.322	-.380	-.374	-.385
.550	-.404	-.422	-.380	-.362	-.246	-.201	-.310	-.370		-.376
.650	-.372	-.364	-.357	-.302	-.391	-.175	-.302	-.327	-.359	-.351
.750	-.320	-.311	-.289	-.241	-.425	-.209	-.288	-.326	-.314	-.315
.850	-.217	-.221	-.191	-.155	-.370	-.181	-.212	-.238	-.239	-.208
.950	-.052	-.040	-.034	-.024	-.186	-.072	-.058	-.069	-.043	-.040

LOWER SURFACE

0.000	1.051	1.025	.972	1.115	.754	1.046	1.284	1.035	1.057	1.050
.005	.668	.778	.870	1.321	1.061	.066	-.159	.321	.504	.516
.015	.073	.201	.313	.691	.463	-.700	-.899	-.282	-.068	-.008
.030	-.133	.020	.071	.304	.161	-.778	-.941	-.507	-.310	-.246
.050	-.247	-.136	-.105	.040	-.020	-.671	-.816	-.508	-.362	-.318
.100	-.277	-.216	-.210	-.174	-.156		-.620	-.449	-.386	-.352
.175	-.304	-.270	-.288	-.273	-.258	-.442	-.538	-.465	-.434	-.397
.250	-.327		-.340	-.352	-.294	-.403	-.436	-.400	-.388	-.375
.350	-.306	-.307	-.335	-.358	-.327	-.413	-.418	-.385	-.369	-.381
.450		-.310	-.369	-.372	-.364	-.389	-.393	-.379	-.402	-.366
.550	-.265	-.282	-.297	-.313	-.317	-.321	-.304	-.289	-.286	-.276
.650	-.088	-.034	-.057	-.063	-.086	-.049	-.076	-.096	-.072	-.079
.750		.195	.182	.189	.175	.167	.139	.139	.154	.144
.850	.309	.329	.374	.393	.365	.273	.299	.300	.295	.292
.925	.359	.373	.462	.495		.313	.369	.357	.351	.337
.990	.220	.227	.274	.300	.262	.110	.256	.235	.225	.213

MACH ALPHA CT J CONF NPR RUN POINT
 .502 -.014 .507 2.052 3. 1.47 20. 7.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.047	.993	.863	1.231	.549	.941	1.422	1.000	1.066	1.058
.005	.065	-.116	-.533	-1.254	-1.587	1.000	1.615	.698	.454	.358
.015	-.555	-.850	-1.278	-2.401	-2.525	.361	.792	.132	-.167	
.030	-.855	-1.130	-1.591	-3.139	-2.951	-.087	.149	-.220	-.464	-.629
.050	-.831	-1.036	-1.396	-3.000	-2.199	-.200	-.157	-.344	-.464	
.100	-.650	-.806	-.969	-1.200	-1.339	-.344	-.279	-.366	-.396	-.486
.175	-.557	-.658	-.757	-.891	-.928	-.426	-.431	-.395	-.401	-.467
.250	-.516	-.586	-.621	-.725	-.723	-.483	-.402	-.477	-.378	-.411
.350	-.490	-.575	-.582	-.572	-.548	-.581	-.415	-.465	-.401	-.422
.450	-.446	-.484	-.493	-.489	-.272	-.428	-.414	-.443	-.385	-.395
.500	-.434	-.471	-.460	-.468	-.304	-.465	-.398	-.416	-.399	-.388
.525	-.444	-.461	-.452	-.449	-.335	-.483	-.404	-.422	-.401	-.390
.550	-.417	-.455	-.429	-.454	-.378	-.440	-.403	-.408		-.370
.650	-.395	-.396	-.402	-.388	-.619	-.295	-.401	-.375	-.384	-.361
.750	-.326	-.333	-.326	-.322	-.552	-.232	-.395	-.382	-.339	-.312
.850	-.226	-.249	-.232	-.210	-.406	-.173	-.299	-.293	-.269	-.207
.950	-.059	-.070	-.079	-.048	-.490	.008	-.095	-.104	-.054	-.042

LOWER SURFACE

0.000	1.047	.993	.863	1.231	.549	.941	1.422	1.000	1.066	1.058
.005	.738	.828	.943	1.762	1.221	-.324	-.767	.200	.467	.514
.015	.137	.301	.467	1.106	.684	-1.195	-1.714	-.407	-.127	-.001
.030	-.054	.095	.206	.610	.334	-1.175	-1.607	-.593	-.381	-.247
.050	-.197	-.046	.019	.242	.104	-.961	-1.226	-.571	-.394	-.323
.100	-.259	-.162	-.140	-.072	-.109		-.796	-.516	-.406	-.357
.175	-.275	-.228	-.255	-.227	-.238	-.511	-.622	-.478	-.443	-.398
.250	-.297		-.324	-.368	-.298	-.449	-.478	-.399	-.385	-.372
.350	-.287	-.283	-.336	-.362	-.355	-.436	-.444	-.381	-.372	-.379
.450		-.287	-.379	-.387	-.405	-.384	-.418	-.354	-.385	-.359
.550	-.261	-.255	-.305	-.352	-.347	-.296	-.307	-.264	-.265	-.267
.650	-.060	-.015	-.064	-.074	-.064	.021	-.047	-.064	-.060	-.059
.750		.193	.209	.234	.258	.212	.181	.161	.176	.155
.850	.313	.366	.463	.514	.457	.305	.357	.319	.308	.285
.925	.367	.411	.576	.628		.383	.420	.378	.362	.342
.990	.212	.235	.306	.378	.375	.275	.307	.267	.238	.222

MACH ALPHA CT J CONF NPR RUN POINT
 .500 1.001 .395 2.083 3. 1.29 6. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.973	.920	.831	1.062	.473	1.186	1.506	1.032	1.038	1.000
.005	-.131	-.348	-.666	-1.211	-1.589	.608	1.096	.380	.155	.036
.015	-.777	-1.037	-1.420	-2.246	-2.478	-.198	.191	-.278	-.520	-.550
.030	-1.028	-1.290	-1.734	-2.881	-2.586	-.545	-.378	-.629	-.778	-.841
.050	-.983	-1.169	-1.496	-2.507	-1.926	-.567	-.558	-.669	-.725	-.799
.100	-.747	-.859	-1.019	-1.204	-1.220	-.578	-.533	-.574	-.564	-.641
.175	-.602	-.713	-.776	-.857	-.840	-.531	-.560	-.544	-.534	-.539
.250	-.560	-.607	-.645	-.699	-.652	-.496	-.455	-.541	-.455	-.466
.350	-.508	-.585	-.580	-.565	-.498	-.469	-.454	-.477	-.458	-.462
.450	-.462	-.496	-.486	-.484	-.404	-.348	-.425	-.461	-.430	-.426
.500	-.449	-.472	-.468	-.474	-.398	-.374	-.417	-.441	-.418	-.414
.525	-.454	-.466	-.454	-.467	-.413	-.383	-.426	-.437	-.420	-.402
.550	-.432	-.452	-.457	-.449	-.392	-.378	-.406	-.431		-.395
.650	-.389	-.387	-.427	-.396	-.372	-.378	-.426	-.400	-.383	-.364
.750	-.332	-.334	-.322	-.327	-.318	-.355	-.395	-.381	-.336	-.318
.850	-.232	-.233	-.223	-.204	-.230	-.258	-.293	-.275	-.245	-.219
.950	-.051	-.058	-.058	-.034	-.096	-.059	-.099	-.071	-.048	-.036

LOWER SURFACE

0.000	.973	.920	.831	1.062	.473	1.186	1.506	1.032	1.038	1.000
.005	.817	.898	.943	1.489	1.150	.310	.103	.541	.680	.701
.015	.270	.385	.480	.938	.669	-.543	-.712	-.045	.156	.263
.030	.060	.186	.206	.522	.348	-.687	-.824	-.279	-.111	-.027
.050	-.091	.013	.025	.199	.123	-.609	.741	-.339	-.183	-.157
.100	-.169	-.106	-.113	-.059	-.046	-.459	-.562	-.359	-.268	-.232
.175	-.211	-.196	-.210	-.198	-.197	-.432	-.484	-.389	-.340	-.298
.250	-.280	-.250	-.303	-.302	-.234	-.380	-.380	-.337	-.314	-.296
.350	-.269	-.262	-.290	-.324	-.295	-.372	-.370	-.336	-.364	-.324
.450		-.280	-.350	-.349	-.355	-.360	-.367	-.322	-.347	-.330
.550	-.237	-.271	-.269	-.303	-.303	-.278	-.275	-.241	-.260	-.265
.650	-.044	-.018	-.037	-.101	-.051	.007	-.070	-.059	-.044	-.054
.750	.168	.186	.214	.226	.215	.219	.151	.174	.170	.161
.850	.318	.345	.426	.454	.410	.342	.350	.321	.309	.304
.925	.356	.387	.511	.539	.478	.388	.417	.379	.368	.345
.990	.216	.223	.290	.317	.298	.242	.306	.250	.225	.213

MACH ALPHA CT J CONF NPR RUN POINT
.499 2.988 .065 2.068 3. .98 3. 14.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.831	.771	.743	.771	.474	.927	1.189	.818	.820	.337
.005	-.620	-.701	-.839	-1.033	-1.37	-.656	-.171	-.525	-.589	-.535
.015	-1.293	-1.413	-1.543	-1.812	-2.006	-1.664	-1.216	-1.322	-1.350	-1.103
.030	-1.446	-1.598	-1.712	-1.977	-1.929	-1.709	-1.523	-1.447	-1.493	-1.407
.050	-1.256	-1.349	-1.444	-1.618	-1.566	-1.399	-1.358	-1.253	-1.238	-1.198
.100	-.871	-.928	-.984	-1.017	-1.039	-1.044	-.952	-.873	-.860	-.885
.175	-.719	-.750	-.745	-.761	-.755	-.761	-.789	-.727	-.742	-.712
.250	-.632	-.618	-.626	-.624	-.597	-.612	-.594	-.642	-.594	-.584
.350	-.556	-.580	-.559	-.495	-.390	-.417	-.511	-.546	-.538	-.551
.450	-.481	-.487	-.465	-.409	-.259	-.266	-.430	-.489	-.479	-.483
.500	-.474	-.463	-.436	-.392	-.238	-.249	-.400	-.451	-.457	-.471
.525	-.475	-.461	-.426	-.377	-.245	-.245	-.392	-.441	-.453	-.456
.550	-.449	-.436	-.395	-.367	-.224	-.225	-.375	-.425		-.444
.650	-.399	-.378	-.361	-.308	-.200	-.226	-.352	-.354	-.388	-.398
.750	-.329	-.320	-.287	-.252	-.176	-.199	-.314	-.336	-.326	-.339
.850	-.230	-.225	-.203	-.171	-.153	-.156	-.222	-.235	-.234	-.229
.950	-.058	-.049	-.055	-.079	-.126	-.115	-.083	-.064	-.038	-.048

LOWER SURFACE

0.000	.831	.771	.743	.771	.474	.927	1.189	.818	.820	.837
.005	.963	.983	.995	1.105	1.001	1.008	.983	.958	.969	.930
.015	.521	.554	.580	.681	.557	.367	.390	.531	.565	.591
.030	.280	.316	.326	.401	.286	.036	.097	.232	.272	.288
.050	.106	.136	.137	.177	.106	-.083	-.047	.097	.152	.125
.100	-.043	-.013	-.010	-.020	-.030	-.156	-.145	-.066	-.039	-.039
.175	-.138	-.128	-.126	-.13	-.131	-.220	-.229	-.191	-.171	-.170
.250	-.201	-.192	-.216	-.221	-.171	-.253	-.224	-.199	-.195	-.197
.350	-.218	-.218	-.231	-.249	-.223	-.292	-.276	-.259	-.290	-.257
.450	-.259	-.259	-.279	-.276	-.274	-.320	-.295	-.268	-.294	-.271
.550	-.220	-.265	-.226	-.235	-.239	-.300	-.244	-.225	-.224	-.204
.650	-.038	-.043	-.039	-.017	-.056	-.059	-.045	-.058	-.039	-.034
.750	.162	.170	.170	.159	.146	.160	.157	.158	.169	.168
.850	.314	.312	.313	.321	.288	.298	.315	.308	.308	.306
.925	.353	.349	.350	.358	.328	.311	.353	.355	.357	.350
.990	.206	.189	.187	.166	.148	.057	.225	.206	.201	.205

MACH ALPHA CT J CONF NPR RUN POINT
 .498 2.998 .212 2.072 3. 1.02 4. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.814	.714	.653	.741	.269	1.139	1.421	.865	.828	.834
.005	-.691	-.836	-1.005	-1.397	-1.848	-.272	.240	-.356	-.523	-.549
.015	-1.341	-1.576	-1.761	-2.321	-2.605	-1.278	-.852	-1.151	-1.305	-1.156
.030	-1.521	-1.751	-1.939	-2.581	-2.494	-1.465	-1.284	-1.289	-1.429	-1.421
.050	-1.301	-1.463	-1.636	-2.099	-1.800	-1.222	-1.249	-1.154	-1.198	-1.195
.100	-.905	-1.002	-1.090	-1.189	-1.212	-.994	-.913	-.852	-.829	-.882
.175	-.741	-.799	-.823	-.851	-.849	-.751	-.770	-.731	-.731	-.714
.250	-.640	-.657	-.681	-.695	-.649	-.633	-.594	-.662	-.589	-.581
.350	-.567	-.601	-.593	-.539	-.436	-.470	-.519	-.566	-.531	-.549
.450	-.494	-.511	-.491	-.449	-.315	-.319	-.449	-.515	-.484	-.485
.500	-.477	-.477	-.461	-.427	-.318	-.311	-.417	-.475	-.458	-.462
.525	-.481	-.470	-.445	-.420	-.322	-.316	-.421	-.464	-.452	-.453
.550	-.446	-.461	-.425	-.410	-.303	-.302	-.407	-.450		-.431
.650	-.397	-.396	-.389	-.345	-.281	-.290	-.394	-.378	-.402	-.388
.750	-.317	-.326	-.301	-.278	-.227	-.247	-.350	-.362	-.335	-.324
.850	-.226	-.229	-.201	-.169	-.163	-.183	-.250	-.248	-.237	-.223
.950	-.053	-.050	-.048	-.041	-.077	-.064	-.088	-.065	-.041	-.042

LOWER SURFACE

0.000	.814	.714	.653	.741	.269	1.139	1.421	.865	.828	.834
.005	.975	1.012	1.005	1.276	1.099	.936	.874	.922	.964	.928
.015	.530	.600	.651	.868	.726	.192	.193	.486	.563	.603
.030	.310	.377	.389	.540	.419	-.125	-.091	.187	.273	.273
.050	.131	.180	.187	.262	.194	-.203	-.185	.053	.134	.111
.100	-.013	.020	.023	.034	.023	-.222	-.244	-.088	-.040	-.035
.175	-.120	-.098	-.106	-.105	-.114	-.268	-.283	-.211	-.172	-.160
.250	-.180	-.176	-.211	-.214	-.167	-.273	-.243	-.204	-.189	-.186
.350	-.204	-.209	-.230	-.249	-.225	-.308	-.283	-.245	-.273	-.245
.450		-.238	-.276	-.279	-.290	-.322	-.301	-.269	-.272	-.268
.550	-.206	-.251	-.227	-.243	-.254	-.287	-.243	-.219	-.213	-.205
.650	-.030	-.010	-.028	-.041	-.041	-.017	-.048	-.048	-.026	-.028
.750	.173	.193	.184	.197	.183	.202	.161	.169	.79	.179
.850	.321	.327	.347	.380	.349	.341	.340	.316	.314	.310
.925	.364	.369	.417	.444	.356	.338	.405	.372	.368	.354
.990	.217	.212	.237	.239	.217	.148	.272	.233	.208	.212

MACH ALPHA CT J CONF NPR RUN POINT
.498 3.005 .283 2.079 3. 1.07 5. 23.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.781	.676	.610	.745	.167	1.203	1.504	.894	.829	.830
.005	-.687	-.909	-1.127	-1.315	-2.013	-.101	.420	-.338	-.512	-.553
.015	-1.376	-1.667	-1.890	-2.476	-2.824	-1.111	-.671	-1.073	-1.286	-1.067
.030	-1.559	-1.785	-2.112	-2.975	-2.821	-1.360	-1.159	-1.235	-1.416	-1.413
.050	-1.341	-1.524	-1.756	-2.595	-1.950	-1.186	-1.184	-1.116	-1.191	-1.146
.100	-.921	-1.032	-1.147	-1.257	-1.296	-.977	-.895	-.840	-.817	-.888
.175	-.742	-.816	-.859	-.884	-.883	-.757	-.772	-.742	-.721	-.715
.250	-.652	-.679	-.700	-.715	-.648	-.644	.599	-.679	-.593	-.584
.350	-.576	-.629	-.611	-.561	-.446	-.496	-.542	-.581	-.552	-.550
.450	-.507	-.525	-.506	-.466	-.361	-.352	-.468	-.527	-.492	-.492
.500	-.484	-.493	-.478	-.452	-.353	-.353	-.445	-.488	-.467	-.465
.525	-.490	-.475	-.466	-.442	-.352	-.351	-.447	-.482	-.454	-.457
.550	-.465	-.466	-.439	-.432	-.334	-.336	-.434	-.465		-.443
.650	-.403	-.404	-.398	-.368	-.311	-.326	-.423	-.393	-.406	-.391
.750	-.332	-.334	-.315	-.297	-.263	-.290	-.379	-.383	-.339	-.330
.850	-.232	-.223	-.208	-.180	-.178	-.206	-.273	-.261	-.232	-.225
.950	-.059	-.044	-.049	-.030	-.070	-.055	-.084	-.069	-.032	-.044

LOWER SURFACE

0.000	.781	.676	.610	.745	.167	1.203	1.504	.894	.829	.830
.005	.958	1.004	1.007	1.352	1.131	.886	.813	.910	.948	.937
.015	.559	.640	.666	.945	.781	.101	.094	.470	.545	.598
.030	.304	.386	.409	.612	.460	-.212	-.171	.168	.261	.281
.050	.144	.202	.230	.320	.240	-.270	-.257	.046	.127	.109
.100	.001	.040	.044	.048	.041	-.267	-.285	-.099	-.045	-.026
.175	-.105	-.082	-.091	-.092	-.104	-.290	-.308	-.209	-.183	-.158
.250	-.177	-.158	-.207	-.209	-.159	-.284	-.259	-.208	-.198	-.183
.350	-.208	-.196	-.222	-.247	-.223	-.318	-.289	-.237	-.274	-.250
.450		-.228	-.276	-.284	-.287	-.332	-.308	-.259	-.282	-.271
.550	-.202	-.239	-.220	-.251	-.254	-.284	-.259	-.212	-.211	-.200
.650	-.028	-.002	-.020	-.071	-.033	-.010	-.055	-.044	-.028	-.033
.750	.177	.187	.190	.213	.204	.222	.173	.183	.182	.177
.850	.319	.336	.372	.406	.381	.361	.346	.333	.317	.311
.925	.358	.370	.446	.479	.354	.409	.417	.387	.372	.354
.990	.217	.221	.251	.264	.235	.175	.290	.239	.222	.209

MACH ALPHA CT J CONF NPR RUN POINT
.499 2.994 .390 2.081 3. 1.30 6. 38.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.751	.615	.513	.766	.003	1.306	1.672	.923	.849	.805
.005	-.820	-1.031	-1.317	-1.758	-2.297	.248	.851	-.157	-.462	-.551
.015	-1.486	-1.862	-2.141	-2.795	-3.229	-.744	-.250	-.835	-1.233	-1.120
.030	-1.641	-1.986	-2.517	-3.442	-3.277	-1.078	-.858	-1.046	-1.344	-1.405
.050	-1.414	-1.690	-2.073	-3.191	-2.200	-.985	-.994	-1.002	-1.153	-1.178
.100	-.967	-1.131	-1.274	-1.363	-1.608	-.875	-.809	-.819	-.790	-.872
.175	-.772	-.880	-.931	-.976	-1.066	-.738	-.754	-.735	-.707	-.698
.250	-.685	-.725	-.757	-.786	-.725	-.658	-.588	-.691	-.585	-.584
.350	-.593	-.661	-.652	-.620	-.541	-.564	-.549	-.580	-.547	-.547
.450	-.519	-.559	-.540	-.529	-.459	-.412	-.501	-.536	-.503	-.487
.500	-.501	-.517	-.516	-.501	-.425	-.426	-.472	-.507	-.475	-.466
.525	-.501	-.507	-.495	-.489	-.434	-.436	-.477	-.498	-.469	-.454
.550	-.476	-.497	-.471	-.472	-.420	-.426	-.459	-.480		-.439
.650	-.422	-.424	-.425	-.407	-.385	-.410	-.466	-.418	-.423	-.402
.750	-.344	-.349	-.329	-.328	-.324	-.387	-.426	-.405	-.355	-.330
.850	-.232	-.238	-.225	-.206	-.238	-.284	-.322	-.295	-.253	-.222
.950	-.052	-.061	-.056	-.039	-.093	-.058	-.108	-.084	-.051	-.037

LOWER SURFACE

0.000	.751	.615	.513	.766	.003	1.306	1.672	.923	.849	.805
.005	.990	1.022	1.005	1.546	1.213	.710	.581	.851	.941	.939
.015	.585	.689	.706	1.159	.901	-.168	-.253	.382	.512	.594
.030	.365	.444	.450	.769	.577	-.425	-.472	.106	.231	.274
.050	.173	.247	.255	.431	.328	-.440	-.481	-.017	.101	.108
.100	.025	.071	.052	.122	.096	-.348	-.393	-.131	-.060	-.030
.175	-.086	-.056	-.074	-.068	-.086	-.343	-.355	-.238	-.188	-.154
.250	-.155	-.140	-.195	-.202	-.141	-.310	-.279	-.219	-.202	-.192
.350	-.179	-.183	-.214	-.247	-.231	-.325	-.304	-.247	-.284	-.246
.450		-.222	-.276	-.291	-.303	-.329	-.338	-.261	-.277	-.260
.550	-.197	-.225	-.222	-.256	-.272	-.273	-.275	-.206	-.205	-.198
.650	-.018	.009	-.013	-.121	-.029	.030	-.034	-.034	-.016	-.022
.750	.181	.208	.225	.248	.244	.262	.199	.188	.188	.177
.850	.327	.349	.437	.474	.445	.394	.374	.333	.325	.316
.925	.365	.395	.524	.557	.524	.442	.421	.395	.374	.354
.990	.209	.224	.287	.307	.316	.258	.311	.259	.223	.214

MACH ALPHA CT J CONF NPR RUN POINT
 .501 3.000 .426 2.495 3. 1.03 19. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.753	.631	.560	.660	.074	1.283	1.563	.948	.850	.922
.005	-.747	-.973	-1.227	-1.695	-2.216	.317	.759	-.201	-.443	-.432
.015	-1.454	-1.775	-2.054	-2.664	-3.082	-.646	-.291	-.875	-1.209	
.030	-1.593	-1.925	-2.278	-3.232	-3.181	-1.004	-.840	-1.070	-1.345	-1.395
.050	-1.397	-1.621	-1.876	-3.009	-2.119	-.929	-.953	-.993	-1.127	
.100	-.947	-1.083	-1.192	-1.305	-1.427	-.624	-.772	-.783	-.771	-.845
.175	-.765	-.845	-.894	-.954	-.959	-.711	-.731	-.682	-.686	-.709
.250	-.676	-.703	-.709	-.757	-.685	-.611	-.582	-.668	-.572	-.586
.350	-.586	-.642	-.628	-.585	-.482	-.488	-.505	-.556	-.526	-.548
.450	-.518	-.538	-.505	-.475	-.298	-.294	-.434	-.500	-.474	-.486
.500	-.502	-.512	-.504	-.461	-.280	-.283	-.418	-.493	-.462	-.472
.525	-.502	-.484	-.468	-.428	-.322	-.293	-.402	-.467	-.442	-.462
.550	-.464	-.478	-.442	-.424	-.311	-.264	-.390	-.459		-.438
.650	-.414	-.407	-.395	-.350	-.391	-.211	-.370	-.388	-.404	-.393
.750	-.353	-.322	-.302	-.274	-.424	-.238	-.332	-.366	-.332	-.345
.850	-.229	-.222	-.189	-.216	-.357	-.206	-.249	-.267	-.245	-.216
.950	-.056	-.031	-.018	-.071	-.168	-.091	-.069	-.073	-.044	-.044

LOWER SURFACE

0.000	.753	.631	.560	.660	.074	1.283	1.563	.948	.850	.922
.005	.984	1.029	1.047	1.405	1.194	.667	.537	.856	.931	.931
.015	.604	.685	.733	1.043	.855	-.161	-.222	.379	.490	.559
.030	.331	.430	.473	.666	.514	-.408	-.417	.098	.220	.239
.050	.160	.233	.268	.382	.285	-.421	-.421	-.023	.087	.113
.100	.005	.058	.065	.089	.045		-.366	-.140	-.074	-.043
.175	-.109	-.074	-.078	-.076	-.096	-.299	-.340	-.243	-.207	-.155
.250	-.174		-.183	-.207	-.152	-.308	-.285	-.238	-.218	-.222
.350	-.193	-.185	-.221	-.247	-.230	-.332	-.304	-.253	-.236	-.253
.450		-.221	-.272	-.280	-.283	-.327	-.358	-.271	-.306	-.276
.550	-.205	-.220	-.212	-.244	-.259	-.286	-.264	-.218	-.217	-.206
.650	-.034	.008	-.012	-.027	-.036	-.007	-.051	-.042	-.034	-.031
.750		.203	.206	.224	.217	.220	.179	.170	.176	.173
.850	.324	.352	.398	.434	.412	.340	.348	.323	.323	.313
.925	.376	.380	.468	.506		.383	.403	.387	.372	.350
.990	.223	.231	.281	.299	.300	.122	.282	.240	.225	.214

MACH ALPHA CT J CONF NPR RUN POINT
 .502 3.004 .521 2.079 3. 1.48 20. 8.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	.732	.522	.410	.877	-.073	1.383	1.848	.957	.860	.920
.005	-.811	-1.178	-1.491	-1.879	-2.432	.684	1.406	.022	-.372	-.418
.015	-1.552	-2.019	-2.339	-3.013	-3.340	-.272	.287	-.609	-1.125	
.030	-1.686	-2.159	-2.770	-3.547	-3.312	-.683	-.443	-.854	-1.281	-1.392
.050	-1.442	-1.852	-2.314	-3.346	-2.081	-.697	-.717	-.882	-1.084	
.100	-1.004	-1.224	-1.357	-1.979	-1.755	-.735	-.667	-.758	-.751	-.826
.175	-.808	-.936	-.992	-1.080	-1.465	-.685	-.702	-.657	-.671	-.701
.250	-.708	-.770	-.803	-.846	-.953	-.682	-.582	-.685	-.561	-.583
.350	-.610	-.700	-.698	-.676	-.634	-.747	-.560	-.599	-.536	-.545
.450	-.537	-.590	-.573	-.565	-.400	-.516	-.507	-.536	-.503	-.487
.500	-.509	-.560	-.533	-.552	-.362	-.545	-.488	-.500	-.492	-.464
.525	-.511	-.538	-.518	-.525	-.337	-.552	-.489	-.499	-.480	-.452
.550	-.489	-.531	-.494	-.506	-.342	-.498	-.467	-.490		-.441
.650	-.436	-.451	-.443	-.455	-.510	-.334	-.480	-.429	-.446	-.399
.750	-.365	-.364	-.349	-.359	-.499	-.261	-.441	-.419	-.378	-.347
.850	-.241	-.251	-.235	-.249	-.389	-.188	-.325	-.318	-.285	-.217
.950	-.048	-.061	-.064	-.100	-.432	-.007	-.101	-.108	-.051	-.028

LOWER SURFACE

0.000	.732	.522	.410	.877	-.073	1.383	1.848	.957	.860	.920
.005	1.001	1.048	1.045	1.825	1.307	.408	.118	.788	.913	.935
.015	.627	.758	.799	1.391	1.015	-.562	-.850	.295	.479	.553
.030	.363	.527	.543	.902	.648	-.758	-.938	.031	.203	.255
.050	.194	.291	.339	.520	.382	-.676	-.777	-.089	.077	.085
.100	.024	.106	.123	.150	.114		-.506	-.188	-.081	-.035
.175	-.077	-.027	-.058	-.054	-.099	-.371	-.427	-.260	-.195	-.158
.250	-.145		-.168	-.223	-.167	-.335	-.319	-.238	-.211	-.196
.350	-.173	-.165	-.207	-.253	-.250	-.336	-.341	-.253	-.232	-.246
.450		-.211	-.285	-.307	-.326	-.325	-.348	-.262	-.295	-.273
.550	-.184	-.202	-.238	-.289	-.301	-.259	-.226	-.203	-.205	-.205
.650	-.011	.032	-.025	-.029	-.026	.046	-.006	-.025	-.006	-.022
.750		.222	.246	.279	.290	.266	.211	.194	.188	.179
.850	.344	.377	.479	.540	.481	.390	.379	.350	.331	.314
.925	.379	.412	.599	.641		.451	.428	.405	.391	.365
.990	.218	.227	.323	.380	.380	.268	.323	.277	.243	.220

MACH ALPHA CT J CONF NPR RUN POINT
 .699 -.010 .255 3.464 3. .96 18. 41.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.119	1.122	1.111	1.216	1.074	1.126	1.243	1.111	1.115	1.115
.005	.410	.347	.256	.103	-.080	.611	.787	.547	.486	.509
.015	-.257	-.361	-.435	-.612	-.823	-.136	.052	-.133	-.230	
.030	-.728	-.831	-.956	-1.176	-1.264	-.554	-.443	-.560	-.653	-.631
.050	-.839	-.946	-1.099	-1.361	-1.459	-.638	-.629	-.653	-.696	
.100	-.715	-.864	-1.049	-1.369	-1.475	-.605	-.597	-.584	-.608	-.621
.175	-.617	-.700	-.651	-.569	-.696	-.627	-.636	-.613	-.620	-.601
.250	-.587	-.560	-.549	-.583	-.564	-.552	-.510	-.557	-.529	-.503
.350	-.514	-.521	-.550	-.482	-.369	-.422	-.460	-.500	-.495	-.499
.450	-.486	-.491	-.458	-.410	-.179	-.271	-.404	-.475	-.461	-.478
.500	-.473	-.475	-.437	-.403	-.222	-.276	-.376	-.442	-.454	-.464
.525	-.491	-.458	-.436	-.389	-.250	-.269	-.371	-.440	-.441	-.465
.550	-.463	-.465	-.416	-.387	-.251	-.248	-.359	-.432		-.449
.650	-.426	-.403	-.390	-.340	-.335	-.226	-.341	-.365	-.411	-.419
.750	-.353	-.334	-.303	-.262	-.324	-.214	-.296	-.334	-.344	-.357
.850	-.232	-.224	-.189	-.152	-.273	-.164	-.203	-.224	-.241	-.225
.950	-.035	-.020	-.011	.004	-.154	-.091	-.034	-.037	-.021	-.023

LOWER SURFACE

0.000	1.119	1.122	1.111	1.216	1.074	1.126	1.243	1.111	1.115	1.115
.005	.675	.754	.798	1.020	.880	.397	.346	.550	.599	.588
.015	.013	.109	.152	.346	.188	-.408	-.321	-.086	-.003	.043
.030	-.200	-.112	-.084	.042	-.039	-.627	-.583	-.400	-.290	-.250
.050	-.355	-.295	-.247	-.198	-.198	-.586	-.633	-.466	-.378	-.344
.100	-.401	-.354	-.348	-.341	-.289		-.569	-.511	-.457	-.427
.175	-.429	-.426	-.426	-.410	-.385	-.463	-.567	-.561	-.543	-.502
.250	-.481		-.479	-.490	-.393	-.455	-.485	-.477	-.487	-.479
.350	-.431	-.433	-.453	-.459	-.433	-.495	-.484	-.475	-.470	-.487
.450		-.445	-.477	-.471	-.449	-.477	-.471	-.475	-.499	-.465
.550	-.331	-.379	-.347	-.360	-.362	-.380	-.354	-.355	-.351	-.338
.650	-.078	-.054	-.066	-.074	-.093	-.059	-.065	-.096	-.077	-.071
.750		.177	.186	.189	.159	.161	.164	.159	.167	.170
.850	.326	.337	.353	.365	.337	.272	.310	.317	.318	.310
.925	.381	.381	.414	.434	.394	.303	.363	.376	.368	.366
.990	.252	.254	.268	.265	.233	.093	.255	.243	.246	.238

MACH ALPHA CT J CONF NPR RUN POINT
 .700 .001 .400 3.432 3. 1.27 15. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.120	1.118	1.122	1.255	1.044	1.107	1.291	1.120	1.115	1.113
.005	.375	.340	.218	.015	-.182	.751	.972	.628	.519	.509
.015	-.289	-.377	-.472	-.739	-.917	.051	.260	-.022	-.176	
.030	-.758	-.851	-.993	-1.296	-1.361	-.370	-.271	-.434	-.574	-.615
.050	-.867	-.983	-1.182	-1.507	-1.563	-.485	-.507	-.580	-.638	
.100	-.712	-.943	-1.228	-1.584	-1.660	-.567	-.532	-.541	-.547	-.591
.175	-.633	-.755	-.764	-.740	-.885	-.637	-.626	-.591	-.576	-.581
.250	-.594	-.569	-.550	-.541	-.709	-.589	-.491	-.565	-.504	-.496
.350	-.534	-.587	-.566	-.490	-.385	-.513	-.471	-.510	-.490	-.501
.450	-.488	-.519	-.486	-.418	-.230	-.415	-.431	-.501	-.484	-.472
.500	-.480	-.508	-.484	-.424	-.265	-.441	-.418	-.489	-.484	-.463
.525	-.484	-.502	-.491	-.408	-.321	-.430	-.414	-.499	-.480	-.451
.550	-.460	-.508	-.437	-.410	-.363	-.392	-.405	-.445		-.440
.650	-.421	-.447	-.415	-.375	-.452	-.267	-.389	-.394	-.451	-.410
.750	-.353	-.367	-.326	-.300	-.461	-.196	-.332	-.360	-.375	-.353
.850	-.225	-.250	-.205	-.194	-.333	-.112	-.218	-.234	-.261	-.218
.950	-.027	-.038	-.013	-.009	-.184	.037	-.017	-.027	-.032	-.013

LOWER SURFACE

0.000	1.120	1.118	1.122	1.255	1.044	1.107	1.291	1.120	1.115	1.113
.005	.698	.792	.824	1.137	.977	.271	.219	.486	.567	.601
.015	.044	.153	.186	.464	.328	-.582	-.510	-.158	-.021	.047
.030	-.162	-.058	-.057	.173	.071	-.811	-.800	-.466	-.327	-.250
.050	-.312	-.254	-.235	-.090	-.117	-.705	-.799	-.525	-.392	-.356
.100	-.366	-.320	-.340	-.286	-.237		-.643	-.540	-.473	-.421
.175	-.401	-.394	-.413	-.381	-.372	-.479	-.605	-.600	-.548	-.511
.250	-.448		-.465	-.474	-.382	-.462	-.490	-.509	-.485	-.510
.350	-.415	-.418	-.431	-.447	-.427	-.487	-.497	-.505	-.460	-.529
.450		-.415	-.459	-.457	-.450	-.467	-.497	-.500	-.488	-.461
.550	-.320	-.345	-.336	-.362	-.364	-.346	-.374	-.372	-.338	-.332
.650	-.061	-.032	-.049	-.062	-.068	-.019	-.048	-.100	-.064	-.066
.750		.200	.206	.206	.200	.186	.167	.157	.173	.177
.850	.340	.338	.386	.409	.382	.285	.314	.313	.329	.319
.925	.389	.381	.466	.487	.452	.322	.387	.391	.379	.374
.990	.250	.242	.287	.323	.287	.206	.301	.272	.260	.252

MACH ALPHA CT J CONF NPR RUN POINT
 .698 -.005 .427 3.011 3. 1.44 17. 18.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.125	1.117	1.111	1.317	1.044	1.117	1.336	1.102	1.117	1.118
.005	.358	.310	.201	.005	-.182	.761	1.071	.643	.515	.505
.015	-.319	-.404	-.506	-.772	-.930	.043	.322	.008	-.164	
.030	-.775	-.887	-1.023	-1.334	-1.370	-.367	-.220	-.412	-.573	-.618
.050	-.882	-1.004	-1.242	-1.554	-1.564	-.460	-.471	-.582	-.629	
.100	-.733	-.983	-1.317	-1.666	-1.680	-.533	-.525	-.556	-.551	-.594
.175	-.658	-.879	-1.041	-1.188	-.925	-.597	-.636	-.601	-.603	-.594
.250	-.606	-.593	-.552	-.513	-.694	-.559	-.516	-.587	-.524	-.502
.350	-.538	-.609	-.595	-.533	-.453	-.576	-.514	-.536	-.507	-.504
.450	-.508	-.530	-.501	-.460	-.254	-.405	-.457	-.511	-.492	-.489
.500	-.493	-.504	-.480	-.454	-.282	-.441	-.433	-.454	-.476	-.473
.525	-.508	-.494	-.476	-.450	-.324	-.448	-.442	-.479	-.470	-.471
.550	-.477	-.488	-.453	-.452	-.341	-.420	-.436	-.466		-.452
.650	-.435	-.436	-.430	-.413	-.500	-.305	-.421	-.409	-.440	-.421
.750	-.357	-.356	-.344	-.351	-.510	-.225	-.372	-.383	-.364	-.355
.850	-.239	-.243	-.227	-.229	-.376	-.136	-.244	-.253	-.251	-.229
.950	-.041	-.038	-.033	-.025	-.255	.048	-.025	-.034	-.024	-.025

LOWER SURFACE

0.000	1.125	1.117	1.111	1.317	1.044	1.117	1.336	1.102	1.117	1.118
.005	.714	.795	.851	1.236	.996	.261	.165	.472	.567	.584
.015	.058	.145	.215	.572	.357	-.615	-.584	-.191	-.019	.039
.030	-.150	-.060	-.029	.236	.102	-.855	-.932	-.492	-.307	-.255
.050	-.301	-.239	-.198	-.044	-.104	-.737	-.912	-.572	-.406	-.364
.100	-.367	-.316	-.320	-.256	-.232		-.672	-.564	-.473	-.426
.175	-.412	-.390	-.402	-.367	-.359	-.496	-.634	-.599	-.557	-.504
.250	-.449		-.466	-.469	-.383	-.467	-.503	-.486	-.490	-.485
.350	-.419	-.416	-.443	-.451	-.426	-.498	-.495	-.477	-.459	-.486
.450		-.425	-.473	-.461	-.453	-.466	-.473	-.457	-.481	-.465
.550	-.312	-.356	-.355	-.361	-.351	-.331	-.331	-.338	-.339	-.325
.650	-.072	-.041	-.061	-.046	-.046	.010	-.036	-.072	-.069	-.060
.750		.202	.217	.243	.244	.186	.181	.180	.182	.176
.850	.332	.353	.407	.440	.406	.282	.325	.330	.324	.318
.925	.386	.410	.495	.530	.482	.343	.401	.399	.383	.367
.990	.255	.261	.307	.339	.310	.257	.317	.279	.256	.251

MACH ALPHA CT J CONF NPR RUN POINT
 .700 -.009 .471 2.905 3. 1.67 17. 14.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.126	1.119	1.117	1.340	1.035	1.111	1.367	1.104	1.120	1.119
.005	.338	.312	.178	-.047	-.219	.816	1.162	.676	.532	.506
.015	-.328	-.418	-.535	-.830	-.954	.125	.424	.049	-.156	
.030	-.815	-.905	-1.040	-1.383	-1.404	-.295	-.126	-.351	-.559	-.627
.050	-.931	-1.016	-1.269	-1.621	-1.597	-.406	-.423	-.520	-.609	
.100	-.789	-1.016	-1.347	-1.713	-1.721	-.507	-.482	-.521	-.531	-.598
.175	-.683	-.937	-1.211	-1.497	-.999	-.594	-.655	-.590	-.585	-.596
.250	-.629	-.594	-.533	-.475	-.840	-.567	-.514	-.576	-.513	-.505
.350	-.571	-.612	-.594	-.545	-.481	-.595	-.533	-.536	-.507	-.523
.450	-.508	-.535	-.524	-.480	-.294	-.420	-.464	-.529	-.493	-.483
.500	-.510	-.507	-.511	-.485	-.286	-.466	-.452	-.511	-.477	-.486
.525	-.512	-.499	-.512	-.474	-.336	-.473	-.460	-.518	-.475	-.474
.550	-.490	-.499	-.468	-.461	-.375	-.455	-.441	-.489		-.463
.650	-.441	-.439	-.448	-.434	-.526	-.369	.455	-.434	-.448	-.425
.750	-.367	-.358	-.363	-.380	-.592	-.284	-.409	-.410	-.372	-.365
.850	-.241	-.250	-.248	-.254	-.511	-.158	-.269	-.274	-.260	-.231
.950	-.024	-.039	-.048	-.044	-.266	.064	-.034	-.042	-.019	-.008

LOWER SURFACE

0.000	1.126	1.119	1.117	1.340	1.035	1.111	1.367	1.104	1.120	1.119
.005	.728	.795	.869	1.312	1.012	.200	.110	.442	.561	.579
.015	.073	.179	.245	.630	.390	-.699	-.668	-.242	-.051	.067
.030	-.130	-.019	.003	.287	.120	-.958	-1.067	-.538	-.337	-.243
.050	-.292	-.204	-.185	-.011	-.077	-.844	-1.029	-.607	-.422	-.345
.100	-.352	-.302	-.306	-.251	-.210		-.665	-.583	-.489	-.428
.175	-.405	-.376	-.387	-.382	-.360	-.504	-.634	-.603	-.560	-.520
.250	-.444		-.463	-.486	-.394	-.480	-.501	-.486	-.499	-.501
.350	-.410	-.415	-.431	-.471	-.441	-.502	-.502	-.475	-.464	-.512
.450		-.424	-.472	-.485	-.475	-.472	-.492	-.454	-.485	-.464
.550	-.325	-.347	-.343	-.380	-.370	-.314	-.349	-.328	-.337	-.325
.650	-.057	-.029	-.038	-.057	-.054	.027	-.037	-.061	-.048	-.062
.750		.212	.232	.231	.247	.191	.188	.186	.190	.176
.850	.338	.367	.438	.464	.410	.302	.327	.341	.331	.317
.925	.384	.424	.521	.547	.478	.359	.409	.412	.384	.364
.990	.257	.265	.309	.345	.332	.294	.332	.289	.258	.246

MACH ALPHA CT J CONF NPR RUN POINT
 .701 -.020 .483 3.027 3. 1.66 18. 46.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.126	1.117	1.117	1.330	1.028	1.114	1.352	1.096	1.119	1.120
.005	.354	.294	.178	-.046	-.244	.825	1.160	.670	.514	.499
.015	-.337	-.405	-.533	-.830	-.982	.134	.435	.043	-.155	
.030	-.809	-.898	-1.061	-1.377	-1.425	-.282	-.113	-.385	-.547	-.647
.050	-.912	-1.023	-1.273	-1.608	-1.617	-.399	-.406	-.534	-.614	
.100	-.759	-1.048	-1.356	-1.714	-1.724	-.496	-.502	-.530	-.538	-.590
.175	-.674	-.964	-1.241	-1.506	-1.011	-.595	-.640	-.602	-.589	-.582
.250	-.622	-.588	-.532	-.480	-.841	-.572	-.512	-.584	-.512	-.497
.350	-.563	-.614	-.589	-.529	-.459	-.554	-.516	-.535	-.507	-.513
.450	-.521	-.530	-.508	-.477	-.301	-.431	-.461	-.513	-.489	-.496
.500	-.503	-.513	-.493	-.476	-.303	-.494	-.445	-.492	-.480	-.477
.525	-.517	-.503	-.482	-.465	-.339	-.482	-.455	-.489	-.479	-.476
.550	-.492	-.498	-.467	-.471	-.380	-.462	-.452	-.478		-.463
.650	-.442	-.448	-.448	-.438	-.534	-.375	-.456	-.434	-.458	-.425
.750	-.362	-.374	-.369	-.395	-.641	-.288	-.420	-.410	-.384	-.358
.850	-.237	-.251	-.240	-.255	-.529	-.164	-.267	-.266	-.260	-.225
.950	-.035	-.041	-.050	-.034	-.228	.053	-.023	-.043	-.021	-.018

LOWER SURFACE

0.000	1.126	1.117	1.117	1.330	1.028	1.114	1.352	1.096	1.119	1.120
.005	.714	.800	.864	1.311	1.024	.178	.101	.456	.557	.578
.015	.070	.180	.231	.861	.401	-.715	-.662	-.208	-.045	.039
.030	-.145	-.023	-.017	.296	.130	-.981	-1.058	-.519	-.327	-.263
.050	-.281	-.206	-.187	-.008	-.068	-.848	-1.052	-.598	-.414	-.351
.100	-.361	-.316	-.308	-.253	-.219		-.710	-.583	-.488	-.427
.175	-.410	-.380	-.395	-.373	-.358	-.511	-.650	-.597	-.560	-.508
.250	-.439		-.471	-.490	-.407	-.474	-.505	-.485	-.498	-.483
.350	-.404	-.410	-.443	-.468	-.443	-.501	-.496	-.474	-.464	-.477
.450		-.413	-.488	-.474	-.467	-.469	-.474	-.452	-.480	-.458
.550	-.317	-.346	-.350	-.372	-.368	-.315	-.320	-.331	-.331	-.325
.650	-.067	-.027	-.053	-.052	-.054	.035	-.029	-.073	-.059	-.064
.750		.208	.222	.237	.231	.195	.189	.185	.188	.178
.850	.337	.370	.429	.449	.421	.291	.321	.338	.315	.312
.925	.385	.419	.518	.544	.420	.357	.414	.408	.383	.364
.990	.256	.262	.317	.340	.323	.283	.327	.284	.264	.253

MACH ALPHA CT J CONF NPR RUN POINT
 .700 .001 .499 3.439 3. 1.60 14. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.129	1.109	1.099	1.275	1.008	1.083	1.314	1.100	1.111	1.120
.005	.338	.290	.148	-.094	-.310	.861	1.130	.663	.518	.506
.015	-.327	-.424	-.542	+.866	-1.020	.198	.419	.050	-.169	
.030	-.804	-.914	-1.060	-1.406	-1.479	-.242	-.121	-.353	-.562	-.626
.050	-.946	-1.032	-1.269	-1.624	-1.659	-.358	-.384	-.513	-.620	
.100	-.777	-1.080	-1.350	-1.743	-1.785	-.498	-.479	-.522	-.546	-.600
.175	-.684	-.947	-1.230	-1.409	-.997	-.608	-.624	-.582	-.582	-.592
.250	-.636	-.598	-.549	-.523	-.922	-.571	-.504	-.574	-.508	-.503
.350	-.562	-.616	-.597	-.553	-.489	-.526	-.498	-.520	-.500	-.512
.450	-.518	-.540	-.513	-.480	-.293	-.421	-.455	-.509	-.490	-.488
.500	-.507	-.519	-.498	-.483	-.289	-.485	-.453	-.493	-.482	-.479
.525	-.516	-.504	-.483	-.465	-.317	-.478	-.456	-.484	-.476	-.472
.550	-.492	-.505	-.463	-.459	-.356	-.452	-.443	-.477		-.461
.650	-.444	-.443	-.442	-.442	-.549	-.346	-.456	-.420	-.441	-.427
.750	-.372	-.367	-.354	-.368	+.554	-.267	-.392	-.391	-.373	+.366
.850	-.243	-.249	-.242	-.246	-.533	-.150	-.256	-.260	-.254	-.229
.950	-.031	-.034	-.039	-.037	-.405	.059	-.022	-.031	-.015	-.013

LOWER SURFACE

0.000	1.129	1.109	1.099	1.275	1.008	1.083	1.314	1.100	1.111	1.120
.005	.733	.798	.873	1.270	1.045	.127	.054	.438	.566	.581
.015	.061	.187	.262	.639	.429	-.791	-.693	-.221	-.033	.045
.030	-.124	-.013	.014	.288	.143	-1.046	-1.071	-.531	-.327	-.257
.050	-.293	-.218	-.164	-.002	-.053	-.878	-1.036	-.594	-.398	-.363
.100	-.351	-.289	-.285	-.225	-.200		-.675	-.575	-.486	-.419
.175	-.393	-.375	-.374	-.364	-.365	-.500	-.644	-.599	-.560	-.506
.250	-.439		-.460	-.469	-.381	-.470	-.499	-.495	-.498	-.484
.350	-.410	-.420	-.440	-.451	-.432	-.493	-.490	-.477	-.467	-.481
.450		-.420	-.470	-.466	-.461	-.467	-.470	-.456	-.487	-.464
.550	-.315	-.344	-.343	-.368	-.369	-.319	-.323	-.329	-.337	-.325
.650	-.060	-.030	-.053	-.056	-.065	.018	-.042	-.071	-.056	-.056
.750		.212	.217	.230	.222	.194	.186	.183	.176	.177
.850	.333	.358	.408	.441	.428	.293	.332	.341	.331	.322
.925	.379	.407	.498	.524	.491	.336	.407	.406	.386	.369
.990	.254	.259	.303	.330	.346	.290	.330	.276	.260	.251

MACH ALPHA CT J CONF NPR RUN POINT
 .700 .992 .478 3.023 3. 1.65 18. 47.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.102	1.081	1.075	1.283	.949	1.191	1.433	1.102	1.111	1.108
.005	.177	.145	.024	-.192	-.408	.750	1.095	.502	.337	.340
.015	-.508	-.587	-.688	-.961	-1.137	-.025	.301	-.166	-.397	
.030	-1.025	-1.078	-1.192	-1.500	-1.563	-.483	-.289	-.565	-.842	-.905
.050	-1.096	-1.214	-1.427	-1.725	-1.739	-.594	-.598	-.717	-.866	
.100	-1.020	-1.268	-1.513	-1.818	-1.823	-.616	-.675	-.687	-.692	-.749
.175	-.732	-1.213	-1.484	-1.653	-1.038	-.748	-.796	-.758	-.715	-.695
.250	-.698	-.603	-.576	-.790	-1.023	-.636	-.522	-.650	-.584	-.557
.350	-.613	-.637	-.596	-.557	-.706	-.610	-.566	-.591	-.564	-.568
.450	-.553	-.552	-.531	-.505	-.365	-.451	-.497	-.555	-.520	-.532
.500	-.529	-.520	-.508	-.488	-.296	-.513	-.475	-.521	-.498	-.508
.525	-.526	-.519	-.493	-.467	-.303	-.515	-.482	-.512	-.503	-.492
.550	-.510	-.512	-.484	-.461	-.310	-.474	-.470	-.514		-.484
.650	-.456	-.447	-.458	-.427	-.531	-.394	-.476	-.454	-.461	-.443
.750	-.367	-.367	-.362	-.368	-.483	-.296	-.418	-.415	-.383	-.366
.850	-.234	-.255	-.242	-.242	-.483	-.169	-.269	-.278	-.266	-.225
.950	-.028	-.029	-.042	-.046	-.263	.045	-.033	-.038	-.010	-.012

LOWER SURFACE

0.000	1.102	1.081	1.075	1.283	.949	1.191	1.433	1.102	1.111	1.108
.005	.827	.899	.952	1.377	1.096	.362	.275	.616	.724	.720
.015	.244	.358	.378	.794	.532	-.530	-.508	.018	.168	.230
.030	.019	.125	.125	.406	.249	-.786	-.859	-.278	-.127	-.074
.050	-.161	-.074	-.060	.105	.046	-.704	-.842	-.371	-.227	-.192
.100	-.244	-.197	-.187	-.152	-.133		-.611	-.431	-.348	-.301
.175	-.325	-.291	-.311	-.304	-.291	-.454	-.566	-.496	-.448	-.407
.250	-.386		-.399	-.422	-.343	-.432	-.452	-.407	-.431	-.411
.350	-.357	-.374	-.396	-.420	-.395	-.463	-.455	-.425	-.419	-.423
.450		-.385	-.454	-.452	-.443	-.450	-.448	-.415	-.448	-.422
.550	-.300	-.325	-.333	-.352	-.362	-.318	-.320	-.307	-.311	-.312
.650	-.061	-.019	-.042	-.040	-.043	.033	-.037	-.059	-.043	-.056
.750		.220	.230	.248	.247	.226	.194	.184	.194	.180
.850	.353	.381	.445	.464	.431	.330	.363	.357	.337	.326
.925	.390	.435	.527	.556	.423	.387	.437	.412	.398	.374
.990	.249	.262	.319	.351	.331	.301	.340	.284	.267	.244

MACH ALPHA CT J CONF NPR RUN POINT
 .700 2.496 .270 3.463 3. .99 18. 44.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.049	1.029	1.011	1.068	.877	1.244	1.371	1.061	1.048	1.078
.005	-.029	-.050	-.132	-.282	-.528	.373	.627	.120	.020	.081
.015	-.725	-.786	-.836	-.995	-1.226	-.525	-.264	-.641	-.752	
.030	-1.204	-1.253	-1.317	-1.485	-1.634	-1.025	-.846	-1.1	1.246	-1.196
.050	-1.389	-1.419	-1.524	-1.704	-1.794	-1.179	-1.107	-1.	1.385	
.100	-1.391	-1.472	-1.603	-1.755	-1.758	-1.257	-1.232	-1.2	.259	-1.323
.175	-1.217	-1.358	-1.485	-1.439	-.937	-1.424	-1.141	-1.040	-.808	-.728
.250	-.620	-.510	-.548	-.664	-.899	-.629	-.513	-.661	-.633	-.617
.350	-.611	-.616	-.580	-.544	-.679	-.496	-.543	-.604	-.604	-.627
.450	-.537	-.540	-.498	-.453	-.314	-.331	-.471	-.548	-.539	-.551
.500	-.517	-.513	-.465	-.424	-.231	-.339	-.442	-.503	-.513	-.522
.525	-.514	-.494	-.450	-.393	-.234	-.328	-.428	-.490	-.496	-.504
.550	-.486	-.490	-.437	-.389	-.245	-.306	-.415	-.490		-.483
.650	-.439	-.406	-.396	-.331	-.322	-.242	-.373	-.404	-.429	-.441
.750	-.356	-.322	-.300	-.287	-.321	-.205	-.323	-.368	-.346	-.364
.850	-.215	-.197	-.172	-.196	-.265	-.152	-.213	-.238	-.219	-.213
.950	-.027	-.010	-.004	-.056	-.136	-.089	-.044	-.036	-.011	-.017

LOWER SURFACE

0.000	1.049	1.029	1.011	1.068	.877	1.244	1.371	1.061	1.048	1.078
.005	.922	.986	1.001	1.180	1.081	.751	.725	.892	.908	.870
.015	.430	.503	.516	.685	.537	-.017	.069	.387	.448	.458
.030	.176	.257	.253	.365	.265	-.316	-.221	.070	.140	.149
.050	.003	.053	.075	.121	.072	-.349	-.315	-.068	.018	.011
.100	-.129	-.101	-.095	-.099	-.093		-.341	-.208	-.155	-.134
.175	-.243	-.227	-.222	-.226	-.216	-.332	-.402	-.338	-.300	-.285
.250	-.318		-.310	-.342	-.269	-.350	-.349	-.324	-.312	-.312
.350	-.323	-.317	-.330	-.362	-.336	-.402	-.385	-.363	-.349	-.358
.450		-.351	-.388	-.392	-.389	-.415	-.403	-.389	-.415	-.394
.550	-.299	-.319	-.297	-.318	-.317	-.358	-.313	-.296	-.296	-.289
.650	-.053	-.027	-.040	-.040	-.055	-.033	-.030	-.067	-.052	-.057
.750		.200	.208	.199	.198	.206	.176	.189	.191	.183
.850	.359	.354	.371	.392	.371	.325	.341	.339	.335	.327
.925	.406	.399	.437	.455	.432	.371	.406	.401	.388	.372
.990	.249	.250	.268	.269	.252	.109	.275	.258	.238	.234

MACH ALPHA CT J CONF NPR RUN POINT
 .699 2.515 .407 3.428 3. 1.29 15. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.042	1.013	1.005	1.102	.833	1.273	1.436	1.063	1.049	1.080
.005	-.053	-.089	-.168	-.361	-.623	.535	.822	.173	.040	.074
.015	-.748	-.811	-.874	-1.087	-1.312	-.361	-.066	-.561	-.748	
.030	-1.222	-1.277	-1.347	-1.589	-1.705	-.849	-.673	-.985	-1.236	-1.204
.050	-1.412	-1.448	-1.570	-1.795	-1.875	-1.003	-.965	-1.114	-1.368	
.100	-1.407	-1.498	-1.671	-1.893	-1.735	-1.030	-1.116	-1.132	-1.172	-1.322
.175	-1.275	-1.478	-1.654	-1.636	-.999	-1.370	-1.035	-.952	-.815	-.719
.250	-.623	-.911	-.846	-.912	-.982	-.659	-.603	-.718	-.655	-.627
.350	-.614	-.606	-.579	-.596	-.913	-.577	-.581	-.633	-.622	-.621
.450	-.550	-.559	-.516	-.491	-.501	-.452	-.509	-.573	-.561	-.556
.500	-.538	-.522	-.487	-.436	-.196	-.484	-.491	-.534	-.525	-.536
.525	-.538	-.503	-.478	-.391	-.157	-.477	-.479	-.528	-.508	-.520
.550	-.505	-.499	-.447	-.382	-.215	-.430	-.468	-.519		-.496
.650	-.445	-.420	-.405	-.352	-.313	-.299	-.431	-.426	-.444	-.442
.750	-.363	-.332	-.310	-.350	-.347	-.212	-.370	-.387	-.355	-.366
.850	-.218	-.216	-.193	-.278	-.275	-.130	-.235	-.253	-.233	-.209
.950	-.025	-.014	-.016	-.119	-.175	.021	-.029	-.037	-.010	-.013

LOWER SURFACE

0.000	1.042	1.013	1.005	1.102	.833	1.273	1.436	1.063	1.049	1.080
.005	.943	.997	1.023	1.302	1.146	.648	.701	.856	.909	.888
.015	.457	.537	.551	.800	.639	-.165	-.107	.349	.440	.464
.030	.211	.250	.284	.472	.337	-.457	-.384	.043	.133	.156
.050	.021	.078	.092	.210	.141	-.465	-.443	-.089	.003	.005
.100	-.117	-.073	-.069	-.044	-.053		-.406	-.255	-.167	-.135
.175	-.230	-.198	-.212	-.206	-.205	-.359	-.435	-.360	-.313	-.275
.250	-.298		-.305	-.340	-.266	-.364	-.362	.322	-.320	-.312
.350	-.312	-.311	-.328	-.363	-.332	-.411	-.387	-.354	-.344	-.365
.450		-.334	-.388	-.391	-.390	-.419	-.409	-.373	-.410	-.387
.550	-.277	-.306	-.293	-.322	-.326	-.334	-.317	-.283	-.285	-.277
.650	-.045	-.012	-.027	-.031	-.037	-.002	-.041	-.050	-.041	-.044
.750		.213	.227	.237	.227	.233	.200	.189	.198	.188
.850	.355	.365	.406	.438	.416	.349	.371	.350	.340	.333
.925	.402	.419	.485	.508	.487	.400	.432	.410	.401	.372
.990	.254	.265	.298	.306	.323	.222	.315	.276	.249	.239

MACH ALPHA CT J CONF NPR RUN POINT
 .700 2.502 .420 3.017 3. 1.44 17. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.044	1.008	1.028	1.170	.849	1.276	1.496	1.075	1.050	1.084
.005	-.036	-.062	-.144	-.350	-.594	.550	.901	.195	.055	.087
.015	-.737	-.806	-.857	-1.096	-1.277	-.319	.005	-.521	-.734	
.030	-1.218	-1.261	-1.343	-1.616	-1.680	-.816	-.629	-.942	-1.227	-1.192
.050	-1.406	-1.433	-1.583	-1.818	-1.844	-.954	-.912	-1.089	-1.352	
.100	-1.404	-1.476	-1.667	-1.910	-1.874	-.984	-1.105	-1.070	-1.142	-1.303
.175	-.257	-1.478	-1.546	-1.782	-1.060	-1.333	-1.067	-.902	-.843	-.734
.250	-.640	-1.086	-.958	-1.079	-1.029	-.658	-.827	-.726	-.648	-.633
.350	-.619	-.587	-.562	-.600	-.913	-.669	-.648	-.666	-.612	-.623
.450	-.559	-.548	-.533	-.553	-.555	-.456	-.545	-.603	-.554	-.567
.500	-.553	-.518	-.512	-.498	-.302	-.496	-.521	-.565	-.521	-.553
.525	-.565	-.503	-.501	-.462	-.228	-.505	-.523	-.556	-.512	-.548
.550	-.541	-.495	-.461	-.435	-.224	-.452	-.504	-.525		-.535
.650	-.475	-.422	-.420	-.365	-.378	-.316	-.485	-.442	-.446	-.474
.750	-.386	-.339	-.325	-.349	-.388	-.221	-.410	-.403	-.364	-.391
.850	-.249	-.222	-.201	-.264	-.275	-.125	-.267	-.255	-.235	-.241
.950	-.041	-.003	-.017	-.081	-.217	.042	-.039	-.029	.009	-.027

LOWER SURFACE

0.000	1.044	1.008	1.028	1.170	.849	1.276	1.496	1.075	1.050	1.084
.005	.935	.982	1.033	1.376	1.135	.666	.593	.837	.907	.883
.015	.458	.500	.542	.859	.636	-.165	-.133	.334	.431	.460
.030	.201	.275	.288	.510	.338	-.460	-.426	.045	.121	.160
.050	.028	.058	.092	.236	.124	-.477	-.487	-.077	.003	.000
.100	-.105	-.090	-.059	-.043	-.066		-.413	-.218	-.183	-.151
.175	-.210	-.212	-.197	-.206	-.234	-.367	-.443	-.338	-.337	-.281
.250	-.294		-.295	-.339	-.288	-.377	-.370	-.307	-.352	-.325
.350	-.294	-.330	-.312	-.354	-.360	-.433	-.394	-.342	-.371	-.374
.450		-.342	-.379	-.394	-.414	-.452	-.425	-.353	-.432	-.373
.550	-.276	-.285	-.295	-.319	-.347	-.348	-.326	-.269	-.312	-.275
.650	-.046	.013	-.015	-.029	-.025	.001	-.037	-.044	-.050	-.041
.750		.238	.248	.252	.289	.220	.208	.200	.184	.195
.850	.338	.387	.433	.459	.418	.348	.382	.373	.340	.338
.925	.383	.435	.507	.536	.472	.401	.451	.429	.397	.384
.990	.237	.270	.305	.314	.318	.266	.338	.293	.250	.241

MACH ALPHA CT J CONF NPR RUN POINT
.699 2.503 .463 2.904 3. 1.66 17. 16.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.038	1.000	1.007	1.202	.828	1.293	1.533	1.069	1.045	1.075
.005	-.042	-.085	-.156	-.376	-.648	.615	1.006	.233	.058	.084
.015	-.756	-.811	-.874	-1.135	-1.330	-.245	.120	-.496	-.719	
.030	-1.231	-1.279	-1.360	-1.667	-1.733	-.751	-.533	-.903	-1.219	-1.205
.050	-1.409	-1.438	-1.597	-1.859	-1.880	-.888	-.842	-1.044	-1.308	
.100	-1.406	-1.492	-1.704	-1.963	-1.915	-.913	-1.047	-1.077	-1.094	-1.282
.175	-1.281	-1.515	-1.692	-1.850	-1.119	-1.355	-1.011	-.985	-.870	-.757
.250	-.646	-1.423	-1.424	-1.187	-1.088	-.752	-.991	-.781	-.683	-.643
.350	-.628	-.579	-.547	-.607	-1.040	-.695	-.641	-.675	-.637	-.629
.450	-.564	-.564	-.546	-.570	-.736	-.496	-.527	-.614	-.575	-.566
.500	-.544	-.546	-.523	-.518	-.431	-.551	-.513	-.570	-.550	-.540
.525	-.542	-.531	-.511	-.466	-.288	-.538	-.507	-.561	-.541	-.522
.550	-.520	-.514	-.484	-.442	-.242	-.513	-.498	-.545		-.508
.650	-.454	-.444	-.435	-.380	-.424	-.418	-.496	-.469	-.477	-.448
.750	-.372	-.352	-.331	-.336	-.249	-.302	-.428	-.426	-.384	-.372
.850	-.224	-.225	-.209	-.237	-.428	-.166	-.276	-.276	-.243	-.214
.950	-.024	-.024	-.032	-.073	-.387	.040	-.041	-.041	-.009	-.010

LOWER SURFACE

0.000	1.038	1.000	1.007	1.202	.828	1.293	1.533	1.069	1.045	1.075
.005	.943	.999	1.040	1.456	1.180	.613	.539	.821	.893	.887
.015	.450	.535	.555	.941	.700	-.251	-.228	.312	.425	.462
.030	.211	.312	.297	.581	.396	-.561	-.538	.010	.128	.156
.050	.038	.093	.103	.270	.181	-.549	-.579	-.108	.004	.009
.100	-.104	-.056	-.062	-.018	-.026		-.454	-.247	-.165	-.130
.175	-.213	-.181	-.204	-.196	-.204	-.371	-.456	-.355	-.312	-.285
.250	-.291		-.312	-.346	-.266	-.366	-.365	-.325	-.318	-.315
.350	-.298	-.309	-.321	-.360	-.338	-.410	-.399	-.357	-.335	-.363
.450		-.333	-.395	-.407	-.407	-.421	-.424	-.359	-.398	-.379
.550	-.268	-.296	-.301	-.333	-.336	-.308	-.311	-.279	-.276	-.279
.650	-.040	-.002	-.028	-.030	-.022	.034	-.032	-.042	-.026	-.036
.750		.230	.252	.270	.287	.258	.213	.210	.202	.193
.850	.364	.389	.457	.493	.446	.373	.397	.366	.352	.332
.925	.402	.432	.545	.581	.472	.428	.459	.425	.410	.382
.990	.257	.260	.320	.355	.344	.312	.346	.291	.254	.240

MACH ALPHA CT J CONF NPR RUN POINT
 .701 2.491 .472 3.020 3. 1.65 18. 48.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.032	1.001	1.002	1.192	.326	1.299	1.532	1.064	1.046	1.071
.005	-.052	-.089	-.150	-.393	-.649	.637	1.002	.233	.055	.080
.015	-.743	-.818	-.863	-1.138	-1.347	-.226	.121	-.488	-.722	
.030	-1.216	-1.261	-1.347	-1.647	-1.729	-.729	-.509	-.886	-1.204	-1.192
.050	-1.402	-1.431	-1.582	-1.840	-1.873	-.875	-.826	-1.019	-1.308	
.100	-1.426	-1.487	-1.685	-1.941	-1.945	-.909	-1.027	-1.052	-1.108	-1.329
.175	-1.304	-1.517	-1.677	-1.837	-1.115	-1.357	-1.010	-.973	-.858	-.714
.250	-.620	-1.431	-1.498	-1.221	-1.072	-.769	-1.038	-.782	-.679	-.631
.350	-.621	-.557	-.537	-.607	-1.053	-.654	-.596	-.655	-.634	-.629
.450	-.563	-.564	-.538	-.573	-.737	-.494	-.528	-.603	-.579	-.567
.500	-.544	-.542	-.521	-.513	-.421	-.570	-.513	-.568	-.548	-.541
.525	-.551	-.521	-.510	-.472	-.289	-.551	-.518	-.559	-.531	-.526
.550	-.513	-.518	-.485	-.447	-.252	-.517	-.510	-.547		-.502
.650	-.458	-.440	-.435	-.379	-.428	-.425	-.497	-.473	-.474	-.452
.750	-.369	-.354	-.330	-.338	-.269	-.302	-.429	-.421	-.383	-.367
.850	-.233	-.229	-.207	-.246	-.438	-.165	-.282	-.272	-.242	-.219
.950	-.033	-.028	-.024	-.070	-.340	.045	-.037	-.032	-.009	-.015

LOWER SURFACE

0.000	1.032	1.001	1.002	1.192	.826	1.299	1.532	1.064	1.046	1.071
.005	.950	.999	1.036	1.441	1.190	.610	.514	.824	.902	.890
.015	.463	.531	.560	.931	.700	-.265	-.247	.326	.427	.452
.030	.223	.306	.291	.569	.397	-.572	-.552	.013	.132	.158
.050	.036	.099	.101	.274	.174	-.554	-.586	-.119	-.004	.018
.100	-.095	-.054	-.067	-.015	-.033		-.455	-.246	-.167	-.131
.175	-.204	-.187	-.210	-.194	-.201	-.374	-.450	-.367	-.316	-.275
.250	-.285		-.311	-.336	-.265	-.366	-.363	-.328	-.319	-.313
.350	-.295	-.307	-.325	-.352	-.345	-.416	-.399	-.352	-.342	-.364
.450		-.329	-.396	-.402	-.407	-.415	-.424	-.365	-.398	-.377
.550	-.269	-.299	-.296	-.332	-.339	-.314	-.310	-.275	-.284	-.282
.650	-.038	.000	-.023	-.022	-.024	.000	-.023	-.044	-.036	-.039
.750		.230	.253	.268	.266	.249	.211	.207	.201	.193
.850	.358	.382	.457	.487	.446	.366	.395	.363	.350	.338
.925	.410	.434	.542	.575	.425	.429	.458	.419	.401	.387
.990	.255	.267	.317	.348	.326	.310	.352	.292	.255	.238

MACH ALPHA CT J CONF NPR RUN POINT
 .700 2.501 .485 3.431 3. 1.60 14. 25.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	1.00
0.000	1.039	.999	.987	1.133	.812	1.286	1.475	1.070	1.050	1.081
.005	-.061	-.091	-.193	-.409	-.693	.691	.997	.237	.065	.076
.015	-.757	-.819	-.902	-1.140	-1.373	-.163	.140	-.483	-.717	
.030	-1.226	-1.277	-1.378	-1.655	-1.763	-.662	-.485	-.896	-1.204	-1.198
.050	-1.412	-1.447	-1.599	-1.855	-1.923	-.822	-.807	-1.027	-1.311	
.100	-1.415	-1.515	-1.708	-1.957	-1.738	-.852	-.974	-1.033	-1.095	-1.284
.175	-1.289	-1.531	-1.693	-1.831	-1.083	-1.325	-.901	-.899	-.850	-.729
.250	-.631	-1.405	-1.213	-1.118	-1.076	-.709	-.986	-.800	-.680	-.631
.350	-.620	-.579	-.581	-.648	-1.079	-.635	-.597	-.652	-.630	-.622
.450	-.559	-.571	-.553	-.581	-.736	-.490	-.528	-.594	-.570	-.558
.500	-.545	-.549	-.526	-.511	-.400	-.571	-.514	-.557	-.544	-.536
.525	-.551	-.524	-.510	-.465	-.271	-.556	-.517	-.551	-.525	-.523
.550	-.516	-.525	-.483	-.438	-.239	-.517	-.508	-.538		-.500
.650	-.458	-.436	-.429	-.373	-.298	-.392	-.488	-.459	-.459	-.448
.750	-.371	-.349	-.331	-.341	-.269	-.279	-.420	-.418	-.375	-.367
.850	-.231	-.228	-.210	-.253	-.374	-.154	-.266	-.274	-.238	-.219
.950	-.031	-.023	-.026	-.090	-.384	.037	-.033	-.035	-.006	-.014

LOWER SURFACE

0.000	1.039	.999	.987	1.133	.812	1.286	1.475	1.070	1.050	1.081
.005	.946	.999	1.028	1.381	1.203	.524	.462	.826	.902	.888
.015	.451	.537	.565	.898	.708	-.364	-.792	.299	.429	.443
.030	.217	.307	.311	.544	.400	-.645	-.563	-.000	.127	.144
.050	.029	.101	.115	.263	.172	-.592	-.594	-.135	.007	.008
.100	-.100	-.062	-.057	-.017	-.032		-.462	-.254	-.175	-.136
.175	-.209	-.184	-.191	-.193	-.197	-.374	-.459	-.360	-.322	-.275
.250	-.287		-.299	-.331	-.263	-.366	-.372	-.332	-.319	-.310
.350	-.304	-.299	-.318	-.350	-.333	-.413	-.393	-.351	-.344	-.362
.450		-.335	-.391	-.394	-.397	-.413	-.415	-.368	-.403	-.382
.550	-.268	-.297	-.292	-.321	-.328	-.311	-.294	-.272	-.286	-.279
.650	-.040	-.006	-.031	-.023	-.035	.031	-.021	-.043	-.036	-.043
.750		.226	.240	.260	.253	.243	.213	.203	.201	.188
.850	.353	.381	.431	.471	.467	.351	.383	.363	.347	.337
.925	.402	.423	.511	.549	.519	.405	.443	.427	.409	.382
.990	.250	.266	.306	.331	.362	.292	.340	.291	.255	.244

MACH ALPHA CT J CONF NPR RUN POINT
 .701 2.983 .470 3.022 5. 1.64 18. 49.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.013	.980	.981	1.157	.774	1.335	1.544	1.050	1.027	1.064
.005	-.103	-.153	-.220	-.401	-.728	.608	.976	.134	-.026	.029
.015	-.828	-.885	-.921	-1.187	-1.413	-.280	.078	-.577	-.806	
.030	-1.278	-1.322	-1.400	-1.692	-1.785	-.793	-.569	-.993	-1.212	-1.251
.050	-1.465	-1.498	-1.633	-1.875	-1.913	-.934	-.897	-1.109	-1.421	
.100	-1.484	-1.558	-1.722	-1.983	-1.939	-1.066	-1.109	-1.150	-1.257	-1.423
.175	-1.399	-1.569	-1.728	-1.881	-1.124	-1.403	-1.186	-1.143	-1.079	-.970
.250	-.825	-1.509	-1.634	-1.325	-1.089	-1.128	-1.158	-.912	-.672	-.605
.350	-.593	-.521	-.591	-.681	-1.099	-.627	-.510	-.647	-.635	-.634
.450	-.556	-.543	-.534	-.604	-.852	-.507	-.537	-.616	-.575	-.574
.500	-.542	-.534	-.516	-.528	-.501	-.586	-.517	-.573	-.551	-.547
.525	-.546	-.522	-.507	-.481	-.342	-.568	-.532	-.569	-.539	-.533
.550	-.517	-.516	-.472	-.445	-.282	-.534	-.517	-.550		-.510
.650	-.461	-.439	-.417	-.366	-.362	-.429	-.497	-.469	-.482	-.457
.750	-.364	-.345	-.294	-.327	-.204	-.303	-.426	-.402	-.384	-.364
.850	-.235	-.216	-.190	-.252	-.369	-.166	-.279	-.272	-.238	-.222
.950	-.032	-.023	-.021	-.091	-.375	.037	-.033	-.036	-.006	-.014

LOWER SURFACE

0.000	1.013	.980	.981	1.157	.774	1.335	1.544	1.050	1.027	1.064
.005	.994	1.029	1.049	1.462	1.207	.665	.578	.892	.942	.919
.015	.523	.591	.595	.975	.741	-.205	-.163	.396	.483	.515
.030	.293	.358	.338	.624	.448	-.525	-.467	.092	.202	.218
.050	.102	.147	.155	.324	.218	-.523	-.513	-.042	.068	.077
.100	-.062	-.013	-.025	.044	.004		-.405	-.190	-.117	-.092
.175	-.177	-.150	-.177	-.156	-.169	-.347	-.420	-.311	-.272	-.245
.250	-.260		-.281	-.313	-.237	-.347	-.345	-.292	-.287	-.284
.350	-.277	-.273	-.313	-.336	-.323	-.396	-.386	-.328	-.321	-.344
.450		-.320	-.386	-.384	-.386	-.406	-.411	-.347	-.375	-.360
.550	-.263	-.291	-.295	-.320	-.325	-.313	-.298	-.269	-.274	-.261
.650	-.034	.006	-.019	-.020	-.023	.044	-.020	-.036	-.027	-.012
.750		.236	.251	.273	.275	.253	.223	.214	.212	.201
.850	.366	.394	.455	.494	.453	.373	.416	.368	.357	.341
.925	.410	.436	.537	.581	.426	.437	.461	.426	.409	.387
.990	.250	.261	.309	.344	.326	.311	.349	.294	.262	.245

MACH ALPHA CT J CONF NPR RUN POINT
 .749 -.005 .143 3.690 3. .84 18. 35.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.139	1.142	1.139	1.209	1.116	1.136	1.222	1.135	1.135	1.133
.005	.480	.469	.387	.300	.149	.591	.717	.555	.528	.557
.015	-.165	-.197	-.232	-.365	-.556	-.155	-.007	-.099	-.147	
.030	-.641	-.668	-.743	-.894	-.988	-.597	-.495	-.551	-.605	-.592
.050	-.789	-.810	-.904	-1.083	-1.178	-.728	-.716	-.700	-.739	
.100	-.754	-.885	-.990	-1.174	-1.272	-.626	-.687	-.641	-.640	-.650
.175	-.687	-.843	-.947	-1.089	-1.048	-.949	-.747	-.714	-.707	-.688
.250	-.706	-.678	-.505	-.432	-.505	-.559	-.618	-.649	-.635	-.564
.350	-.542	-.580	-.538	-.452	-.341	-.437	-.487	-.519	-.522	-.550
.450	-.509	-.506	-.462	-.419	-.238	-.329	-.443	-.498	-.501	-.522
.500	-.501	-.493	-.448	-.432	-.264	-.315	-.419	-.464	-.485	-.504
.525	-.514	-.472	-.450	-.420	-.292	-.307	-.411	-.462	-.467	-.497
.550	-.482	-.480	-.439	-.414	-.279	-.281	-.392	-.446		-.477
.650	-.445	-.420	-.414	-.359	-.271	-.237	-.362	-.391	-.433	-.446
.750	-.369	-.333	-.315	-.272	-.226	-.224	-.301	-.344	-.347	-.374
.850	-.233	-.220	-.194	-.154	-.142	-.164	-.192	-.215	-.232	-.226
.950	-.022	-.011	-.010	-.005	-.068	-.102	-.029	-.018	-.006	-.009

LOWER SURFACE

0.000	1.139	1.142	1.139	1.209	1.116	1.136	1.222	1.135	1.135	1.133
.005	.691	.741	.776	.924	.814	.490	.455	.599	.629	.583
.015	.018	.076	.099	.240	.089	-.284	-.179	-.023	.034	.058
.030	-.197	-.140	-.124	-.028	-.121	-.553	-.465	-.335	-.269	-.249
.050	-.367	-.341	-.297	-.266	-.273	-.549	-.552	-.433	-.372	-.377
.100	-.434	-.413	-.398	-.397	-.343		-.558	-.501	-.475	-.448
.175	-.489	-.497	-.482	-.464	-.447	-.501	-.631	-.628	-.614	-.572
.250	-.549		-.548	-.549	-.450	-.495	-.514	-.524	-.545	-.541
.350	-.498	-.504	-.503	-.515	-.499	-.559	-.531	-.525	-.529	-.544
.450		-.501	-.534	-.521	-.512	-.536	-.525	-.530	-.566	-.528
.550	-.363	-.396	-.375	-.385	-.390	-.404	-.371	-.379	-.381	-.364
.650	-.068	-.054	-.062	-.076	-.087	-.070	-.073	-.084	-.074	-.065
.750		.187	.185	.177	.159	.147	.158	.167	.172	.181
.850	.334	.331	.337	.343	.316	.264	.306	.318	.320	.320
.925	.389	.380	.403	.409	.416	.300	.363	.381	.375	.375
.990	.265	.263	.267	.244	.207	.094	.254	.245	.251	.253

MACH ALPHA CT J CONF NPR RUN POINT
.749 .007 .309 3.670 3. 1.13 15. 14.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.144	1.138	1.141	1.257	1.103	1.130	1.269	1.132	1.131	1.135
.005	.466	.454	.370	.226	.040	.711	.897	.619	.546	.552
.015	-.186	-.234	-.286	-.468	-.665	-.014	.186	-.028	-.155	
.030	-.659	-.704	-.770	-1.001	-1.078	-.434	-.322	-.443	-.587	-.592
.050	-.796	-.834	-.966	-1.209	-1.272	-.550	-.588	-.618	-.693	
.100	-.773	-.935	-1.083	-1.315	-1.405	-.561	-.613	-.603	-.612	-.635
.175	-.716	-.945	-1.080	-1.267	-1.157	-.921	-.728	-.692	-.707	-.666
.250	-.756	-.901	-.993	-.698	-.684	-.600	-.701	-.700	-.647	-.553
.350	-.549	-.539	-.486	-.437	-.385	-.490	-.498	-.529	-.531	-.551
.450	-.512	-.508	-.460	-.414	-.166	-.353	-.449	-.510	-.509	-.521
.500	-.512	-.487	-.453	-.417	-.205	-.370	-.425	-.481	-.485	-.510
.525	-.511	-.478	-.448	-.403	-.263	-.365	-.418	-.470	-.475	-.489
.550	-.483	-.489	-.438	-.410	-.286	-.332	-.411	-.461		-.475
.650	-.449	-.422	-.421	-.373	-.374	-.246	-.388	-.401	-.433	-.447
.750	-.361	-.336	-.325	-.287	-.379	-.192	-.318	-.358	-.349	-.366
.850	-.223	-.221	-.198	-.176	-.314	-.118	-.207	-.227	-.232	-.218
.950	-.017	-.005	.009	-.000	-.157	-.016	-.016	-.009	-.002	-.006

LOWER SURFACE

0.000	1.144	1.138	1.141	1.257	1.103	1.130	1.269	1.132	1.131	1.135
.005	.696	.774	.810	1.057	.917	.370	.345	.555	.611	.596
.015	.024	.120	.161	.389	.224	-.453	-.329	-.052	.004	.063
.030	-.185	-.092	-.056	.090	-.007	-.711	-.635	-.380	-.283	-.241
.050	-.353	-.288	-.257	-.172	-.181	-.676	-.702	-.482	-.387	-.368
.100	-.408	-.376	-.365	-.551	-.292		-.628	-.562	-.505	-.458
.175	-.486	-.470	-.462	-.454	-.434	-.526	-.679	-.669	-.628	-.580
.250	-.535		-.550	-.545	-.446	-.507	-.525	-.529	-.545	-.549
.350	-.476	-.497	-.508	-.522	-.506	-.559	-.544	-.539	-.537	-.541
.450		-.487	-.533	-.532	-.525	-.537	-.539	-.536	-.557	-.516
.550	-.351	-.387	-.369	-.379	-.392	-.383	-.361	-.370	-.370	-.358
.650	-.063	-.034	-.055	-.064	-.072	-.032	-.051	-.077	-.068	-.065
.750		.203	.205	.202	.182	.173	.173	.172	.173	.175
.850	.342	.342	.373	.386	.362	.269	.309	.326	.327	.326
.925	.396	.401	.450	.455	.425	.304	.372	.391	.376	.371
.990	.264	.277	.299	.310	.262	.144	.295	.264	.257	.256

MACH ALPHA CT J CONF NPR RUN POINT
 .751 -.006 .401 3.245 3. 1.47 18. 31.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.149	1.140	1.144	1.326	1.105	1.138	1.339	1.133	1.134	1.139
.005	.450	.446	.343	.176	.015	.788	1.054	.664	.572	.561
.015	-.187	-.230	-.305	-.541	-.694	.093	.340	.047	-.096	
.030	-.657	-.700	-.799	-1.069	-1.111	-.335	-.193	-.370	-.542	-.579
.050	-.796	-.821	-1.012	-1.277	-1.309	-.470	-.463	-.554	-.641	
.100	-.797	-.936	-1.127	-1.413	-1.454	-.502	-.551	-.558	-.567	-.620
.175	-.753	-.981	-1.153	-1.362	-1.482	-.867	-.691	-.674	-.675	-.671
.250	-.819	-1.023	-1.129	-1.238	-.892	-.762	-.851	-.800	-.661	-.567
.350	-.581	-.484	-.453	-.398	-.501	-.583	-.487	-.525	-.538	-.557
.450	-.524	-.482	-.435	-.407	-.214	-.385	-.463	-.533	-.524	-.535
.500	-.524	-.497	-.452	-.431	-.237	-.446	-.446	-.504	-.514	-.523
.525	-.525	-.489	-.462	-.431	-.288	-.456	-.457	-.503	-.502	-.503
.550	-.510	-.494	-.447	-.438	-.304	-.424	-.450	-.489		-.499
.650	-.463	-.438	-.446	-.431	-.472	-.329	-.453	-.436	-.456	-.456
.750	-.372	-.363	-.355	-.364	-.533	-.241	-.378	-.390	-.373	-.371
.850	-.232	-.240	-.231	-.230	-.395	-.131	-.233	-.244	-.239	-.219
.950	-.015	-.013	-.017	-.006	-.212	.062	.003	-.004	.008	.002

LOWER SURFACE

0.000	1.149	1.140	1.144	1.326	1.105	1.138	1.339	1.133	1.134	1.139
.005	.721	.782	.835	1.195	.952	.321	.279	.537	.612	.598
.015	.069	.147	.201	.525	.287	-.529	-.423	-.110	.009	.060
.030	-.151	-.069	-.039	.191	.054	-.817	-.798	-.431	-.290	-.246
.050	-.339	-.278	-.233	-.085	-.132	-.799	-.831	-.538	-.404	-.367
.100	-.401	-.359	-.345	-.306	-.267		-.832	-.602	-.516	-.456
.175	-.468	-.454	-.453	-.444	-.429	-.541	-.644	-.657	-.637	-.582
.250	-.518		-.552	-.554	-.458	-.507	-.500	-.538	-.559	-.542
.350	-.468	-.483	-.495	-.513	-.515	-.575	-.546	-.539	-.530	-.540
.450		-.481	-.538	-.543	-.533	-.541	-.533	-.517	-.543	-.511
.550	-.341	-.366	-.371	-.381	-.381	-.335	-.334	-.343	-.354	-.342
.650	-.058	-.024	-.044	-.050	-.046	.022	-.024	-.059	-.049	-.051
.750		.214	.220	.236	.231	.186	.189	.191	.188	.186
.850	.347	.364	.410	.432	.405	.282	.320	.348	.336	.332
.925	.388	.410	.497	.514	.435	.329	.393	.411	.392	.381
.990	.265	.279	.322	.353	.281	.271	.333	.292	.275	.266

MACH ALPHA CT J CONF NPR RUN POINT
 .750 .007 .448 3.664 3. 1.53 14. 14.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.153	1.144	1.140	1.301	1.083	1.120	1.310	1.127	1.137	1.145
.005	.435	.412	.324	.119	-.060	.839	1.058	.692	.552	.552
.015	-.195	-.252	-.335	-.589	-.747	.159	.369	.065	-.116	
.030	-.698	-.723	-.824	-1.103	-1.176	-.284	-.154	-.356	-.538	-.591
.050	-.811	-.845	-1.041	-1.319	-1.364	-.407	-.430	-.534	-.637	
.100	-.823	-.971	-1.154	-1.448	-1.510	-.495	-.523	-.549	-.565	-.630
.175	-.768	-.997	-1.173	-1.404	-1.551	-.848	-.684	-.671	-.673	-.669
.250	-.817	-1.050	-1.156	-1.300	-.826	-.739	-.836	-.767	-.652	-.561
.350	-.598	-.500	-.431	-.364	-.563	-.550	-.493	-.541	-.546	-.562
.450	-.530	-.488	-.435	-.407	-.255	-.397	-.455	-.528	-.525	-.535
.500	-.520	-.494	-.464	-.438	-.237	-.473	-.455	-.512	-.508	-.515
.525	-.530	-.488	-.464	-.433	-.284	-.475	-.464	-.504	-.499	-.506
.550	-.494	-.497	-.446	-.443	-.317	-.445	-.460	-.499		-.479
.650	-.451	-.444	-.443	-.427	-.414	-.347	-.455	-.433	-.456	-.445
.750	-.373	-.364	-.367	-.359	-.427	-.256	-.382	-.402	-.373	-.371
.850	-.232	-.244	-.236	-.227	-.307	-.134	-.230	-.246	-.240	-.218
.950	-.020	-.018	-.024	-.007	-.206	.065	.010	-.012	.004	-.002

LOWER SURFACE

0.000	1.153	1.144	1.140	1.301	1.083	1.120	1.310	1.127	1.137	1.145
.005	.717	.792	.851	1.189	1.006	.252	.217	.508	.597	.596
.015	.058	.157	.218	.548	.356	-.621	-.486	-.130	-.015	.070
.030	-.157	-.054	-.016	.211	.098	-.901	-.852	-.467	-.309	-.244
.050	-.338	-.257	-.209	-.056	-.098	-.886	-.867	-.556	-.410	-.375
.100	-.388	-.328	-.332	-.296	-.245		-.844	-.630	-.514	-.465
.175	-.462	-.432	-.442	-.434	-.417	-.549	-.659	-.671	-.646	-.577
.250	-.517		-.536	-.547	-.432	-.497	-.516	-.532	-.543	-.551
.350	-.468	-.477	-.490	-.508	-.496	-.567	-.539	-.533	-.518	-.541
.450		-.472	-.527	-.538	-.515	-.514	-.529	-.512	-.540	-.516
.550	-.342	-.368	-.362	-.381	-.379	-.321	-.334	-.348	-.354	-.340
.650	-.063	-.025	-.042	-.051	-.049	.028	-.028	-.061	-.054	-.062
.750		.209	.223	.229	.217	.189	.190	.187	.191	.181
.850	.345	.361	.407	.428	.411	.276	.310	.341	.340	.323
.925	.405	.415	.490	.516	.477	.329	.394	.405	.392	.378
.990	.277	.282	.323	.341	.343	.281	.329	.288	.276	.257

MACH ALPHA CT J CONF NPR RUN POINT
.750 -.011 .451 3.108 3. 1.74 18. 25.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.148	1.136	1.143	1.370	1.093	1.136	1.375	1.130	1.132	1.140
.005	.445	.420	.334	.132	-.045	.837	1.156	.697	.562	.556
.015	-.198	-.248	-.319	-.610	-.737	.165	.440	.083	-.098	
.030	-.681	-.718	-.817	-1.131	-1.162	-.262	-.107	-.334	-.522	-.592
.050	-.814	-.837	-1.032	-1.346	-1.345	-.390	-.397	-.507	-.611	
.100	-.819	-.969	-1.167	-1.477	-1.493	-.461	-.516	-.550	-.557	-.628
.175	-.774	-1.003	-1.204	-1.433	-1.546	-.818	-.672	-.671	-.665	-.679
.250	-.835	-1.058	-1.180	-1.324	-.995	-.786	-.860	-.824	-.656	-.569
.350	-.641	-.727	-.662	-.496	-.610	-.573	-.471	-.517	-.536	-.558
.450	-.521	-.465	-.393	-.369	-.273	-.401	-.451	-.536	-.522	-.530
.500	-.522	-.474	-.434	-.413	-.221	-.508	-.453	-.517	-.507	-.522
.525	-.528	-.481	-.448	-.422	-.251	-.492	-.467	-.520	-.508	-.507
.550	-.501	-.493	-.441	-.435	-.296	-.449	-.463	-.508		-.490
.650	-.456	-.452	-.451	-.448	-.440	-.428	-.500	-.462	-.481	-.449
.750	-.372	-.377	-.368	-.394	-.700	-.317	-.427	-.417	-.393	-.369
.850	-.232	-.251	-.242	-.252	-.191	-.168	-.262	-.263	-.250	-.216
.950	-.014	-.023	-.031	-.019	-.417	.070	-.004	-.015	.005	.006

LOWER SURFACE

0.000	1.148	1.136	1.143	1.370	1.093	1.136	1.375	1.130	1.132	1.140
.005	.721	.797	.846	1.288	1.000	.286	.212	.519	.594	.595
.015	.072	.165	.214	.626	.361	-.597	-.501	-.119	.011	.071
.030	-.148	-.048	-.016	.261	.113	-.900	-.897	-.452	-.292	-.235
.050	-.328	-.244	-.203	-.028	-.088	-.908	-.935	-.569	-.398	-.351
.100	-.392	-.332	-.331	-.284	-.243		-.942	-.630	-.522	-.458
.175	-.461	-.434	-.450	-.438	-.418	-.518	-.547	-.653	-.636	-.572
.250	-.512		-.558	-.573	-.456	-.503	-.502	-.522	-.546	-.547
.350	-.468	-.468	-.490	-.520	-.517	-.578	-.562	-.534	-.513	-.540
.450		-.472	-.554	-.558	-.539	-.524	-.537	-.511	-.529	-.515
.550	-.333	-.358	-.373	-.395	-.379	-.300	-.330	-.343	-.345	-.338
.650	-.050	-.016	-.044	-.044	-.040	.050	-.020	-.058	-.044	-.052
.750		.230	.231	.254	.243	.189	.199	.192	.192	.185
.850	.350	.375	.434	.468	.425	.289	.331	.349	.338	.326
.925	.402	.429	.524	.550	.437	.345	.413	.415	.392	.374
.990	.275	.279	.339	.363	.239	.303	.345	.297	.276	.264

MACH ALPHA CT J CONF NPR RUN POINT
 .749 .992 .397 3.244 3. 1.46 18. 32.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.139	1.121	1.122	1.291	1.042	1.200	1.390	1.133	1.130	1.136
.005	.322	.312	.210	.045	-.155	.710	.997	.512	.408	.415
.015	-.337	-.387	-.443	-.668	-.846	-.057	.231	-.139	-.314	
.030	-.819	-.855	-.926	-1.170	-1.261	-.510	-.324	-.551	-.790	-.792
.050	-.940	-.998	-1.146	-1.386	-1.429	-.650	-.618	-.714	-.876	
.100	-1.020	-1.089	-1.264	-1.503	-1.542	-.650	-.758	-.759	-.791	-.916
.175	-.987	-1.149	-1.290	-1.489	-1.603	-1.132	-.761	-.782	-.804	-.759
.250	-.999	-1.202	-1.278	-1.404	-1.039	-.875	-.953	-.888	-.853	-.757
.350	-.668	-1.208	-.671	-.688	-.728	-.798	-.825	-.640	-.665	-.608
.450	-.523	-.400	-.366	-.348	-.336	-.383	-.427	-.531	-.536	-.565
.500	-.526	-.438	-.409	-.366	-.228	-.443	-.443	-.511	-.522	-.549
.525	-.526	-.441	-.421	-.374	-.231	-.452	-.457	-.509	-.502	-.525
.550	-.501	-.453	-.406	-.389	-.257	-.428	-.454	-.509		-.507
.650	-.462	-.417	-.429	-.394	-.457	-.320	-.455	-.449	-.453	-.467
.750	-.370	-.345	-.347	-.347	-.491	-.235	-.385	-.402	-.364	-.375
.850	-.228	-.223	-.224	-.219	-.357	-.126	-.233	-.251	-.225	-.217
.950	-.017	-.009	-.021	-.021	-.194	.052	-.009	-.015	.013	.001

LOWER SURFACE

0.000	1.139	1.121	1.122	1.291	1.042	1.200	1.390	1.133	1.130	1.136
.005	.810	.882	.939	1.257	1.039	.463	.420	.672	.738	.741
.015	.218	.301	.350	.650	.429	-.371	-.294	.091	.188	.247
.030	-.013	.081	.100	.312	.177	-.674	-.619	-.216	-.115	-.058
.050	-.193	-.120	-.094	.034	-.022	-.652	-.681	-.343	-.224	-.190
.100	-.296	-.248	-.236	-.210	-.178		-.568	-.450	-.373	-.314
.175	-.380	-.347	-.354	-.359	-.338	-.480	-.605	-.560	-.511	-.450
.250	-.440		-.455	-.489	-.393	-.465	-.458	-.466	-.477	-.454
.350	-.421	-.442	-.439	-.477	-.456	-.531	-.484	-.473	-.480	-.477
.450		-.453	-.497	-.511	-.506	-.516	-.492	-.465	-.510	-.483
.550	-.332	-.361	-.337	-.372	-.380	-.343	-.330	-.322	-.338	-.330
.650	-.056	-.022	-.032	-.036	-.043	.023	-.030	-.047	-.043	-.050
.750		.217	.236	.242	.235	.212	.200	.210	.199	.190
.850	.359	.368	.424	.444	.395	.317	.354	.360	.345	.334
.925	.408	.423	.512	.521	.429	.367	.431	.425	.405	.383
.990	.265	.292	.332	.350	.277	.275	.339	.296	.270	.260

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.497 .154 3.700 3. .87 18. 39.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.096	1.075	1.072	1.107	.975	1.237	1.333	1.091	1.083	1.109
.005	.135	.133	.052	-.049	-.260	.409	.588	.211	.177	.227
.015	-.513	-.564	-.596	-.706	-.929	-.438	-.228	-.509	-.572	
.030	-.978	-1.012	-1.050	-1.182	-1.339	-.905	-.767	-.948	-1.038	-.982
.050	-1.155	-1.180	-1.254	-1.380	-1.486	-1.073	-1.006	-1.087	-1.190	
.100	-1.201	-1.263	-1.346	-1.477	-1.559	-1.210	-1.145	-1.121	-1.177	-1.191
.175	-1.197	-1.288	-1.350	-1.465	-.937	-1.360	-1.227	-1.146	-1.121	-1.132
.250	-1.230	-1.299	-1.353	-1.318	-.871	-1.300	-1.183	-1.216	-1.159	-1.163
.350	-.631	-.902	-.624	-.545	-.827	-.549	-.806	-.951	-.964	-.522
.450	-.428	-.379	-.373	-.383	-.397	-.289	-.332	-.399	-.415	-.494
.500	-.451	-.412	-.379	-.356	-.230	-.294	-.361	-.420	-.448	-.497
.525	-.474	-.420	-.386	-.336	-.222	-.299	-.371	-.431	-.448	-.498
.550	-.452	-.427	-.378	-.339	-.221	-.279	-.377	-.436		-.481
.650	-.427	-.380	-.361	-.327	-.259	-.238	-.366	-.391	-.428	-.450
.750	-.347	-.294	-.261	-.276	-.236	-.214	-.309	-.353	-.343	-.371
.850	-.212	-.188	-.143	-.175	-.180	-.160	-.188	-.224	-.229	-.218
.950	-.021	.004	-.002	-.070	-.090	-.111	-.043	-.027	-.001	-.013

LOWER SURFACE

0.000	1.096	1.075	1.072	1.107	.975	1.237	1.333	1.091	1.083	1.109
.005	.918	.965	.983	1.096	1.025	.794	.771	.898	.893	.878
.015	.398	.451	.458	.569	.450	.053	.164	.394	.434	.436
.030	.164	.211	.226	.289	.195	-.262	-.121	.080	.134	.133
.050	-.028	.004	.026	.053	.014	-.314	-.250	-.055	.004	-.019
.100	-.165	-.141	-.128	-.136	-.130		-.318	-.204	-.166	-.167
.175	-.267	-.258	-.262	-.262	-.258	-.348	-.420	-.363	-.340	-.326
.250	-.368		-.361	-.377	-.304	-.368	-.373	-.356	-.354	-.360
.350	-.366	-.376	-.360	-.394	-.369	-.453	-.421	-.406	-.395	-.410
.450		-.410	-.438	-.435	-.434	-.472	-.452	-.437	-.463	-.435
.550	-.318	-.351	-.319	-.334	-.344	-.383	-.331	-.327	-.323	-.313
.650	-.058	-.032	-.036	-.046	-.057	-.034	-.052	-.059	-.051	-.044
.750		.210	.208	.201	.193	.200	.183	.190	.191	.200
.850	.356	.360	.362	.367	.352	.319	.346	.351	.347	.340
.925	.414	.404	.411	.425	.415	.357	.409	.409	.410	.398
.990	.268	.259	.250	.218	.230	.103	.270	.262	.257	.258

MACH ALPHA CT J CONF NPR RUN POINT
 .750 2.514 .310 3.680 3. 1.16 15. 17.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.099	1.053	1.079	1.158	.956	1.264	1.400	1.101	1.067	1.114
.005	.131	.120	.056	-.097	-.332	.550	.781	.270	.194	.228
.015	-.516	-.576	-.622	-.779	-.981	-.276	-.042	-.441	-.557	
.030	-.970	-1.009	-1.069	-1.253	-1.373	-.748	-.613	-.864	-1.017	-.980
.050	-1.146	-1.182	-1.281	-1.451	-1.540	-.927	-.867	-.991	-1.165	
.100	-1.192	-1.268	-1.390	-1.580	-1.652	-1.071	-1.040	-1.048	-1.126	-1.172
.175	-1.193	-1.306	-1.412	-1.572	-1.590	-1.271	-1.130	-1.090	-1.065	-1.134
.250	-1.238	-1.341	-1.427	-1.499	-.924	-1.264	-1.053	-1.183	-1.106	-1.159
.350	-1.143	-1.380	-1.074	-.771	-.871	-.899	-1.220	-1.102	-1.078	-.550
.450	-.421	-.344	-.399	-.361	-.523	-.340	-.315	-.400	-.424	-.503
.500	-.435	-.346	-.324	-.312	-.141	-.366	-.347	-.412	-.440	-.510
.525	-.451	-.358	-.336	-.285	-.088	-.364	-.365	-.438	-.445	-.502
.550	-.433	-.382	-.332	-.295	-.165	-.347	-.384	-.450		-.481
.650	-.417	-.362	-.349	-.337	-.280	-.255	-.412	-.402	-.426	-.448
.750	-.347	-.305	-.269	-.309	-.297	-.189	-.331	-.364	-.351	-.369
.850	-.205	-.186	-.154	-.237	-.255	-.115	-.211	-.223	-.216	-.209
.950	-.013	.002	.009	-.081	-.120	-.014	-.025	-.022	.003	-.004

LOWER SURFACE

0.000	1.099	1.053	1.079	1.158	.956	1.264	1.400	1.101	1.067	1.114
.005	.925	.971	1.002	1.208	1.102	.702	.662	.866	.892	.868
.015	.404	.482	.502	.661	.550	-.091	.008	.364	.415	.434
.030	.173	.236	.232	.393	.273	-.405	-.270	.043	.124	.149
.050	-.009	.004	.054	.135	.087	-.432	-.373	-.102	-.007	-.004
.100	-.158	-.115	-.116	-.093	-.093		-.373	-.243	-.189	-.161
.175	-.263	-.243	-.256	-.240	-.267	-.376	-.453	-.380	-.353	-.324
.250	-.348		-.365	-.383	-.299	-.384	-.389	-.356	-.354	-.364
.350	-.369	-.368	-.387	-.394	-.378	-.458	-.430	-.401	-.391	-.423
.450		-.399	-.452	-.444	-.443	-.473	-.465	-.430	-.460	-.440
.550	-.309	-.341	-.321	-.345	-.351	-.358	-.344	-.311	-.310	-.302
.650	-.047	-.018	-.031	-.038	-.043	-.006	-.049	-.054	-.038	-.036
.750		.215	.230	.233	.218	.226	.201	.210	.184	.209
.850	.367	.376	.397	.416	.394	.339	.371	.359	.357	.345
.925	.423	.425	.467	.486	.460	.361	.442	.424	.414	.403
.990	.278	.284	.299	.298	.297	.178	.316	.281	.273	.267

MACH ALPHA CT J CONF NPR RUN POINT
 .750 2.480 .392 3.238 3. 1.47 18. 33.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.096	1.079	1.082	1.222	.935	1.288	1.468	1.108	1.097	1.109
.005	.130	.109	.046	-.141	-.377	.638	.913	.300	.193	.229
.015	-.509	-.577	-.608	-.832	-1.035	-.185	.097	-.378	-.536	
.030	-.973	-1.012	-1.076	-1.313	-1.403	-.660	-.479	-.797	-.999	-.971
.050	-1.158	-1.182	-1.300	-1.519	-1.562	-.811	-.757	-.933	-1.139	
.100	-1.199	-1.256	-1.421	-1.611	-1.668	-.983	-.958	-.996	-1.074	-1.172
.175	-1.194	-1.313	-1.432	-1.633	-1.760	-1.240	-1.080	-1.045	-1.018	-1.119
.250	-1.234	-1.346	-1.446	-1.582	-1.499	-1.126	-1.047	-1.155	-1.062	-1.124
.350	-1.193	-1.376	-1.468	-1.181	-.919	-1.160	-1.072	-1.101	-1.085	-.537
.450	-.453	-.473	-.691	-.588	-.594	-.461	-.381	-.514	-.368	-.527
.500	-.436	-.361	-.531	-.408	-.350	-.390	-.308	-.390	-.368	-.522
.525	-.450	-.351	-.429	-.326	-.270	-.407	-.326	-.403	-.403	-.517
.550	-.437	-.360	-.328	-.298	-.245	-.401	-.362	-.442		-.498
.650	-.414	-.353	-.324	-.298	-.398	-.312	-.418	-.427	-.454	-.449
.750	-.358	-.310	-.277	-.277	-.433	-.226	-.361	-.387	-.375	-.384
.850	-.213	-.212	-.177	-.192	-.316	-.117	-.226	-.241	-.239	-.212
.950	-.006	-.006	-.009	-.017	-.197	.052	-.005	-.018	.008	.006

LOWER SURFACE

0.000	1.096	1.079	1.082	1.222	.935	1.288	1.468	1.108	1.097	1.109
.005	.928	.976	.998	1.347	1.137	.666	.610	.846	.893	.871
.015	.407	.495	.488	.823	.623	-.166	-.081	.342	.414	.441
.030	.181	.263	.243	.477	.326	-.487	-.383	.034	.114	.123
.050	-.015	.058	.049	.190	.131	-.496	-.476	-.104	-.010	-.025
.100	-.147	-.085	-.109	-.068	-.058		-.438	-.236	-.180	-.168
.175	-.246	-.224	-.254	-.241	-.225	-.382	-.499	-.381	-.352	-.326
.250	-.339		-.369	-.393	-.289	-.382	-.399	-.358	-.356	-.363
.350	-.341	-.347	-.384	-.399	-.378	-.461	-.442	-.408	-.379	-.412
.450		-.373	-.456	-.454	-.447	-.471	-.471	-.440	-.458	-.419
.550	-.296	-.311	-.327	-.342	-.344	-.326	-.333	-.317	-.301	-.303
.650	-.034	.010	-.022	-.013	-.015	.021	-.017	-.052	-.022	-.034
.750		.245	.243	.264	.267	.249	.214	.203	.222	.206
.850	.369	.394	.432	.471	.399	.370	.391	.369	.368	.343
.925	.421	.432	.519	.549	.429	.422	.462	.432	.419	.401
.990	.285	.275	.319	.354	.279	.299	.346	.295	.283	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.515 .432 3.665 3. 1.50 14. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.096	1.078	1.076	1.175	.927	1.292	1.431	1.101	1.098	1.107
.005	.129	.096	.015	-.181	-.421	.700	.943	.307	.198	.27
.015	-.527	-.588	-.644	-.862	-1.065	-.109	.150	-.371	-.550	
.030	-.983	-1.033	-1.096	-1.348	-1.439	-.588	-.438	-.783	-1.017	-.983
.050	-1.173	-1.191	-1.321	-1.539	-1.600	-.745	-.719	-.922	-1.144	
.100	-1.215	-1.280	-1.439	-1.649	-1.726	-.929	-.920	-.984	-1.081	-1.188
.175	-1.206	-1.332	-1.467	-1.664	-1.754	-1.209	-1.042	-1.029	-1.017	-1.139
.250	-1.248	-1.375	-1.468	-1.607	-1.048	-1.195	-1.057	-1.125	-1.061	-1.147
.350	-1.202	-1.410	-1.478	-1.035	-1.010	-1.119	-1.116	-1.106	-1.022	-.517
.450	-.455	-.499	-.623	-.577	-.881	-.410	-.373	-.445	-.484	-.533
.500	-.438	-.343	-.421	-.417	-.499	-.411	-.313	-.416	-.470	-.538
.525	-.448	-.338	-.353	-.363	-.328	-.442	-.354	-.441	-.472	-.523
.550	-.436	-.353	-.321	-.327	-.242	-.435	-.377	-.461		-.504
.650	-.420	-.352	-.341	-.298	-.223	-.340	-.436	-.435	-.453	-.456
.750	-.352	-.306	-.278	-.299	-.277	-.241	-.378	-.387	-.369	-.379
.850	-.218	-.207	-.182	-.227	-.218	-.120	-.235	-.246	-.234	-.221
.950	-.007	-.003	.001	-.061	-.213	.057	-.016	-.011	.008	.004

LOWER SURFACE

0.000	1.096	1.078	1.076	1.175	.927	1.292	1.431	1.101	1.098	1.107
.005	.933	.982	1.020	1.322	1.156	.586	.545	.842	.897	.877
.015	.408	.484	.520	.816	.643	-.269	-.147	.327	.426	.443
.030	.184	.271	.273	.478	.347	-.572	-.441	.022	.124	.133
.050	-.009	.059	.074	.198	.133	-.552	-.513	-.118	-.006	-.021
.100	-.129	-.088	-.098	-.053	-.051		-.444	-.265	-.198	-.154
.175	-.249	-.421	-.436	-.233	-.226	-.382	-.489	-.396	-.356	-.312
.250	-.328		-.347	-.374	-.290	-.382	-.394	-.361	-.358	-.352
.350	-.339	-.346	-.366	-.395	-.376	-.453	-.429	-.402	-.382	-.407
.450		-.379	-.439	-.444	-.448	-.468	-.458	-.424	-.450	-.418
.550	-.283	-.313	-.314	-.334	-.342	-.325	-.319	-.304	-.308	-.302
.650	-.035	.005	-.017	-.016	-.025	.034	-.019	-.041	-.022	-.031
.750		.239	.248	.268	.257	.243	.215	.210	.220	.202
.850	.367	.389	.432	.465	.456	.361	.395	.374	.361	.350
.925	.418	.435	.512	.536	.519	.411	.456	.433	.420	.395
.990	.279	.284	.318	.344	.367	.299	.354	.300	.272	.264

MACH ALPHA CT J CONF NPR RUN POINT
 .751 2.493 .438 3.100 3. 1.72 18. 29.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.094	1.066	1.075	1.263	.928	1.304	1.489	1.111	1.090	1.113
.005	.117	.107	.035	-.166	-.402	.723	.996	.326	.198	.226
.015	-.528	-.579	-.613	-.870	-1.058	-.091	.186	-.341	-.530	
.030	-.966	-1.004	-1.078	-1.358	-1.422	-.571	-.400	-.742	-.984	-.964
.050	-1.157	-1.178	-1.308	-1.563	-1.578	-.728	-.697	-.879	-1.123	
.100	-1.212	-1.256	-1.437	-1.658	-1.697	-.917	-.910	-.945	-1.049	-1.173
.175	-1.204	-1.320	-1.451	-1.671	-1.790	-1.202	-1.032	-1.001	-1.000	-1.119
.250	-1.244	-1.358	-1.466	-1.623	-1.797	-1.099	-1.034	-1.122	-1.050	-1.131
.350	-1.221	-1.398	-1.486	-1.485	-1.019	-1.183	-1.093	-1.083	-1.045	-.600
.450	-.531	-.767	-.755	-.762	-.689	-.575	-1.001	-.645	-.545	-.536
.500	-.441	-.498	-.612	-.577	-.426	-.435	-.343	-.378	-.463	-.531
.525	-.444	-.404	-.513	-.487	-.302	-.406	-.296	-.390	-.451	-.523
.550	-.435	-.352	-.427	-.416	-.238	-.397	-.304	-.413		-.507
.650	-.419	-.326	-.288	-.285	-.402	-.385	-.434	-.434	-.447	-.463
.750	-.349	-.292	-.260	-.276	-.474	-.281	-.408	-.410	-.370	-.375
.850	-.223	-.194	-.173	-.186	-.186	-.146	-.257	-.254	-.227	-.222
.950	-.022	-.003	-.003	-.011	-.037	.074	-.012	-.008	.017	-.006

LOWER SURFACE

0.000	1.094	1.066	1.075	1.263	.928	1.304	1.489	1.111	1.090	1.113
.005	.927	.990	1.018	1.429	1.169	.604	.562	.824	.884	.875
.015	.424	.503	.520	.895	.664	-.261	-.135	.321	.425	.441
.030	.188	.272	.272	.533	.382	-.595	-.463	.013	.127	.133
.050	-.001	.071	.093	.244	.160	-.586	-.544	-.119	-.003	.007
.100	-.131	-.094	-.078	-.048	-.049		-.453	-.258	-.183	-.138
.175	-.249	-.234	-.226	-.234	-.226	-.393	-.492	-.392	-.350	-.306
.250	-.337		-.347	-.384	-.307	-.379	-.376	-.360	-.357	-.342
.350	-.345	-.362	-.377	-.401	-.399	-.462	-.424	-.394	-.386	-.402
.450		-.390	-.443	-.467	-.467	-.479	-.453	-.408	-.443	-.426
.550	-.294	-.322	-.322	-.353	-.363	-.319	-.319	-.289	-.304	-.292
.650	-.041	.010	-.011	-.008	-.017	.055	-.014	-.030	-.030	-.034
.750		.247	.262	.279	.274	.253	.224	.226	.220	.206
.850	.374	.399	.466	.498	.468	.358	.396	.382	.360	.357
.925	.421	.444	.556	.588	.436	.424	.466	.448	.417	.399
.990	.278	.289	.333	.372	.271	.324	.368	.311	.282	.265

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.995 .392 3.23 3. 1.46 18. 34.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.075	1.050	1.058	1.192	.894	1.331	1.481	1.086	1.067	1.103
.005	.064	.045	-.018	-.203	-.444	.621	.881	.221	.132	.162
.015	-.597	-.649	-.672	-.889	-1.096	-.217	.050	-.466	-.619	
.030	-1.025	-1.065	-1.127	-1.375	-1.459	-.705	-.547	-.879	-1.060	-1.025
.050	-1.215	-1.230	-1.347	-1.562	-1.609	-.867	-.808	-1.002	-1.211	
.100	-1.272	-1.317	-1.465	-1.653	-1.713	-1.049	-1.013	-1.060	-1.158	-1.249
.175	-1.266	-1.361	-1.471	-1.673	-1.797	-1.269	-1.140	-1.102	-1.093	-1.195
.250	-1.312	-1.391	-1.483	-1.634	-1.656	-1.230	-1.092	-1.214	-1.140	-1.231
.350	-1.275	-1.436	-1.513	-1.297	-.975	-1.199	-1.279	-1.137	-1.158	-.767
.450	-.505	-.676	-.750	-.714	-.702	-.551	-.674	-.597	-.480	-.479
.500	-.401	-.458	-.607	-.502	-.401	-.383	-.303	-.383	-.417	-.485
.525	-.415	-.385	-.520	-.404	-.279	-.382	-.284	-.376	-.408	-.487
.550	-.400	-.348	-.427	-.347	-.257	-.390	-.306	-.392		-.472
.650	-.402	-.321	-.278	-.279	-.355	-.300	-.397	-.397	-.425	-.443
.750	-.332	-.272	-.250	-.259	-.400	-.214	-.358	-.382	-.550	-.367
.850	-.208	-.175	-.155	-.182	-.257	-.105	-.232	-.239	-.217	-.212
.950	-.011	-.002	.002	-.016	-.185	.056	-.007	-.010	.008	-.001

LOWER SURFACE

0.000	1.075	1.050	1.058	1.192	.894	1.331	1.481	1.086	1.067	1.103
.005	.951	1.018	1.041	1.365	1.169	.706	.680	.908	.928	.916
.015	.490	.554	.560	.868	.672	-.118	-.006	.408	.474	.500
.030	.228	.318	.314	.531	.385	-.447	-.308	.103	.187	.210
.050	.055	.106	.127	.252	.174	-.466	-.407	-.046	.048	.060
.100	-.089	-.053	-.063	-.033	-.027		-.371	-.206	-.122	-.109
.175	-.220	-.201	-.207	-.203	-.199	-.354	-.429	-.339	-.301	-.269
.250	-.313		-.331	-.351	-.274	-.350	-.358	-.324	-.313	-.317
.350	-.323	-.327	-.351	-.382	-.372	-.437	-.406	-.364	-.355	-.382
.450		-.368	-.428	-.441	-.437	-.455	-.444	-.395	-.424	-.406
.550	-.284	-.316	-.311	-.338	-.339	-.329	-.322	-.295	-.291	-.284
.650	-.031	.001	-.016	-.018	-.017	.039	-.025	-.032	-.021	-.034
.750		.235	.260	.271	.267	.257	.225	.226	.222	.208
.850	.372	.399	.449	.476	.395	.372	.392	.375	.366	.358
.925	.429	.440	.523	.562	.422	.427	.461	.440	.415	.399
.990	.278	.285	.314	.353	.285	.291	.358	.298	.282	.265

MACH ALPHA CT J CONF NPR RUN POINT
 .799 -.003 .379 3.231 3. 1.60 18. 20.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.167	1.167	1.166	1.357	1.140	1.151	1.338	1.148	1.159	1.158
.005	.543	.532	.463	.293	.131	.844	1.092	.720	.612	.618
.015	-.055	-.086	-.135	-.388	-.522	.190	.427	.139	-.007	
.030	-.511	-.532	-.608	-.880	-.918	-.220	-.075	-.266	-.437	-.472
.050	-.661	-.661	-.811	-1.089	-1.106	-.358	-.359	-.455	-.568	
.100	-.737	-.807	-.957	-1.228	-1.270	-.411	-.497	-.500	-.527	-.632
.175	-.755	-.875	-1.013	-1.207	-1.325	-.896	-.580	-.591	-.616	-.626
.250	-.846	-.955	-1.045	-1.140	-1.324	-.751	-.793	-.757	-.705	-.750
.350	-.870	-1.031	-1.098	-1.135	-.994	-.853	-.773	-.844	-.771	-.803
.450	-.851	-1.061	-1.024	-.977	-.585	-.692	-.870	-.847	-.870	-.724
.500	-.836	-1.046	-1.046	-.720	-.443	-.722	-.904	-.894	-.872	-.634
.525	-.876	-1.012	-.762	-.501	-.400	-.818	-.908	-.910	-.862	-.651
.550	-.889	-.660	-.506	-.400	-.365	-.679	-.787	-.898		-.638
.650	-.377	-.284	-.283	-.315	-.408	-.366	-.315	-.289	-.356	-.434
.750		.275	-.280	-.307	-.522	-.249	-.359	-.354	-.332	-.353
.850	-.1	.192	-.182	-.177	-.255	-.099	-.203	-.209	-.202	-.191
.950	.01	.017	.015	.033	-.210	.106	.038	.028	.038	.027

LOWER SURFACE

0.000	1.167	1.167	1.166	1.357	1.140	1.151	1.338	1.148	1.159	1.158
.005	.716	.787	.845	1.211	.967	.359	.326	.576	.634	.627
.015	.076	.146	.215	.558	.326	-.468	-.332	-.032	.044	.100
.030	-.151	-.057	-.018	.222	.082	-.769	-.697	-.361	-.251	-.220
.050	-.342	-.261	-.208	-.068	-.114	-.832	-.757	-.488	-.357	-.338
.100	-.415	-.363	-.344	-.315	-.261		-.849	-.619	-.500	-.442
.175	-.532	-.494	-.506	-.496	-.486	-.670	-.775	-.738	-.684	-.639
.250	-.609		-.607	-.624	-.533	-.552	-.677	-.773	-.772	-.718
.350	-.656	-.656	-.671	-.669	-.597	-.667	-.605	-.620	-.685	-.715
.450		-.612	-.718	-.754	-.781	-.764	-.695	-.635	-.622	-.552
.550	-.339	-.340	-.312	-.278	-.288	-.200	-.257	-.324	-.335	-.333
.650	-.028	.008	-.007	-.014	-.014	.045	.006	-.031	-.025	-.033
.750		.231	.242	.249	.231	.155	.178	.207	.211	.204
.850	.359	.368	.427	.456	.419	.256	.307	.357	.342	.346
.925	.411	.432	.513	.542	.504	.326	.411	.423	.406	.385
.990	.298	.309	.351	.358	.381	.294	.363	.315	.299	.282

MACH ALPHA CT J CONF NPR RUN POINT
 .801 .019 .418 3.407 3. 1.70 15. 10.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.166	1.160	1.169	1.379	1.132	1.149	1.354	1.158	1.154	1.160
.005	.547	.540	.454	.282	.112	.881	1.132	.724	.624	.618
.015	-.052	-.092	-.144	-.409	-.539	.235	.466	.149	-.021	
.030	-.520	-.548	-.607	-.904	-.928	-.182	-.051	-.239	-.448	-.476
.050	-.649	-.671	-.818	-1.119	-1.121	-.318	-.237	-.434	-.570	
.100	-.729	-.808	-.963	-1.254	-1.288	-.403	-.479	-.490	-.516	-.625
.175	-.746	-.886	-1.028	-1.243	-1.377	-.879	-.576	-.583	-.606	-.620
.250	-.843	-.961	-1.061	-1.190	-1.377	-.776	-.795	-.758	-.696	-.743
.350	-.872	-1.041	-1.107	-1.134	-.980	-.823	-.787	-.831	-.769	-.796
.450	-.858	-1.077	-1.077	-1.023	-.594	-.624	-.867	-.865	-.868	-.727
.500	-.842	-1.072	-1.059	-.735	-.541	-.718	-.910	-.889	-.880	-.635
.525	-.885	-1.072	-.916	-.564	-.490	-.816	-.908	-.908	-.876	-.663
.550	-.901	-.852	-.567	-.428	-.403	-.881	-.707	-.911		-.656
.650	-.352	-.297	-.283	-.326	-.337	-.367	-.321	-.286	-.346	-.436
.750	-.304	-.266	-.269	-.303	-.44	-.268	-.357	-.351	-.329	-.355
.850	-.189	-.185	-.177	-.181	-.303	-.102	-.202	-.206	-.197	-.191
.950	.014	.017	.008	.023	-.286	.115	.031	.021	.040	.030

LOWER SURFACE

0.000	1.166	1.160	1.169	1.379	1.132	1.149	1.354	1.158	1.154	1.160
.005	.712	.788	.851	1.238	.994	.336	.310	.574	.637	.617
.015	.057	.156	.234	.586	.348	-.501	-.367	-.032	.068	.104
.030	-.156	-.058	-.016	.247	.104	-.804	-.736	-.364	-.252	-.219
.050	-.344	-.259	-.197	-.046	-.088	-.861	-.796	-.492	-.353	-.343
.100	-.427	-.354	-.339	-.301	-.249		-.874	-.625	-.505	-.449
.175	-.526	-.484	-.497	-.486	-.494	-.673	-.827	-.744	-.694	-.649
.250	-.603		-.606	-.637	-.528	-.534	-.693	-.797	-.777	-.722
.350	-.654	-.659	-.668	-.656	-.589	-.661	-.644	-.656	-.731	-.748
.450		-.620	-.732	-.745	-.783	-.765	-.704	-.627	-.618	-.545
.550	-.335	-.334	-.307	-.270	-.285	-.190	-.247	-.321	-.336	-.335
.650	-.025	.014	-.010	-.004	-.009	.040	.013	-.035	-.023	-.033
.750		.233	.242	.253	.233	.147	.173	.212	.206	.205
.850	.348	.369	.428	.462	.422	.249	.307	.356	.350	.338
.925	.407	.433	.526	.549	.507	.318	.418	.429	.409	.395
.990	.290	.308	.348	.359	.387	.308	.360	.315	.292	.286

MACH ALPHA CT J CONF NPR RUN POINT
 .799 1.011 .412 3.407 3. 1.69 15. 11.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.162	1.151	1.155	1.342	1.093	1.223	1.393	1.158	1.152	1.158
.005	.444	.429	.349	.169	-.015	.846	1.074	.613	.509	.519
.015	-.175	-.209	-.271	-.515	-.651	.151	.369	.002	-.156	
.030	-.630	-.639	-.717	-.990	-1.053	-.295	-.156	-.384	-.585	-.613
.050	-.760	-.790	-.936	-1.196	-1.224	-.452	-.443	-.558	-.703	
.100	-.861	-.909	-1.069	-1.335	-1.375	-.528	-.597	-.638	-.683	-.816
.175	-.878	-.986	-1.129	-1.334	-1.449	-.956	-.665	-.702	-.703	-.785
.250	-.952	-1.065	-1.171	-1.286	-1.475	-.901	-.836	-.831	-.792	-.817
.350	-.977	-1.145	-1.218	-1.214	-1.130	-.896	-.890	-.904	-.830	-.875
.450	-1.020	-1.176	-1.191	-1.161	-.720	-.719	-.922	-.970	-.951	-.869
.500	-1.026	-1.168	-1.168	-.944	-.725	-.773	-.976	-.971	-.980	-.741
.525	-.980	-1.179	-1.132	-.793	-.716	-.865	-.998	-.991	-.987	-.671
.550	-.916	-1.037	-.699	-.651	-.603	-.932	-.912	-.994		-.670
.650	-.367	-.454	-.376	-.343	-.377	-.585	-.600	-.343	-.384	-.428
.750	-.284	-.225	-.208	-.267	-.210	-.245	-.279	-.276	-.270	-.343
.850	-.172	-.126	-.135	-.151	-.110	-.084	-.179	-.186	-.172	-.184
.950	.015	.038	.030	.054	-.039	.123	.059	.033	.044	.026

LOWER SURFACE

0.000	1.162	1.151	1.155	1.342	1.093	1.223	1.393	1.158	1.152	1.158
.005	.802	.861	.918	1.294	1.055	.444	.420	.683	.740	.723
.015	.197	.291	.339	.680	.472	-.397	-.258	.100	.193	.239
.030	-.023	.057	.105	.345	.197	-.713	-.611	-.218	-.109	-.075
.050	-.209	-.138	-.090	.059	.004	-.781	-.660	-.344	-.225	-.213
.100	-.313	-.263	-.240	-.202	-.181		-.745	-.484	-.377	-.339
.175	-.422	-.388	-.392	-.393	-.391	-.472	-.619	-.650	-.597	-.561
.250	-.527		-.534	-.533	-.430	-.521	-.590	-.514	-.594	-.554
.350	-.503	-.529	-.593	-.565	-.540	-.562	-.555	-.552	-.570	-.634
.450		-.602	-.671	-.667	-.658	-.752	-.700	-.652	-.659	-.613
.550	-.331	-.339	-.313	-.292	-.297	-.204	-.270	-.323	-.334	-.328
.650	-.024	.012	-.006	-.005	-.007	.062	-.001	-.030	-.024	-.024
.750		.233	.252	.267	.251	.187	.202	.211	.213	.207
.850	.365	.375	.435	.473	.436	.277	.356	.366	.354	.351
.925	.413	.444	.532	.566	.519	.348	.448	.439	.418	.398
.990	.302	.304	.343	.371	.389	.312	.377	.320	.321	.283

MACH ALPHA CT J CONF NPR RUN POINT
 .798 2.490 .007 3.915 3. .82 18. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.133	1.126	1.132	1.057	1.241	1.289	1.129	1.125	1.144
.005	.309	.293	.220	.163	-.017	.455	.574	.319	.313	.376
.015	-.323	-.354	-.386	-.453	-.669	-.348	-.197	-.364	-.380	
.030	-.761	-.786	-.807	-.905	-1.046	-.769	-.677	-.787	-.828	-.770
.050	-.930	-.962	-1.013	-1.092	-1.207	-.943	-.900	-.942	-.988	
.100	-1.002	-1.051	-1.097	-1.200	-1.299	-1.102	-1.015	-.983	-1.015	-.993
.175	-1.034	-1.094	-1.137	-1.216	-1.348	-1.219	-1.100	-1.028	-1.010	-.996
.250	-1.091	-1.127	-1.169	-1.187	-1.264	-1.188	-1.127	-1.093	-1.050	-1.057
.350	-1.111	-1.180	-1.176	-1.200	-.754	-.915	-1.193	-1.108	-1.070	-1.094
.450	-1.123	-1.165	-1.117	-.653	-.478	-.452	-1.002	-1.147	-1.126	-1.104
.500	-1.114	-1.052	-.587	-.497	-.356	-.366	-.506	-.814	-1.094	-1.077
.525	-.711	-.608	-.500	-.440	-.330	-.330	-.422	-.553	-.794	-.715
.550	-.545	-.492	-.447	-.390	-.311	-.299	-.354	-.472		-.521
.650	-.293	-.277	-.292	-.309	-.275	-.272	-.302	-.270	-.291	-.310
.750	-.256	-.239	-.239	-.255	-.225	-.274	-.289	-.272	-.254	-.285
.850	-.182	-.172	-.172	-.197	-.187	-.254	-.216	-.191	-.184	-.187
.950	.001	.002	-.027	-.135	-.193	-.162	-.102	-.013	.013	.011

LOWER SURFACE

0.000	1.147	1.133	1.126	1.132	1.057	1.241	1.289	1.129	1.125	1.144
.005	.905	.947	.959	1.011	.969	.822	.795	.897	.898	.855
.015	.349	.398	.413	.472	.358	.096	.254	.402	.415	.418
.030	.128	.175	.162	.214	.121	-.205	-.038	.096	.123	.110
.050	-.062	-.041	-.026	-.016	-.058	-.281	-.179	-.047	.002	-.041
.100	-.203	-.177	-.172	-.180	-.170		-.294	-.212	-.186	-.190
.175	-.324	-.315	-.313	-.311	-.297	-.365	-.457	-.417	-.396	-.376
.250	-.439		-.432	-.438	-.346	-.391	-.406	-.398	-.410	-.420
.350	-.442	-.453	-.455	-.468	-.458	-.565	-.500	-.486	-.477	-.489
.450		-.553	-.565	-.580	-.572	-.608	-.600	-.601	-.633	-.573
.550	-.359	-.389	-.347	-.362	-.374	-.386	-.357	-.359	-.369	-.339
.650	-.050	-.030	-.032	-.050	-.062	-.046	-.052	-.062	-.046	-.030
.750		.208	.201	.188	.173	.171	.184	.196	.199	.206
.850	.374	.351	.347	.348	.324	.304	.342	.350	.349	.348
.925	.432	.408	.401	.389	.373	.348	.392	.409	.409	.408
.990	.290	.268	.244	.183	.144	.090	.237	.255	.266	.278

MACH ALPHA CT J CONF NPR RUN POINT
 .800 2.488 .294 3.426 3. 1.26 18. 18.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.142	1.128	1.131	1.249	1.038	1.286	1.419	1.142	1.135	1.145
.005	.297	.285	.234	.066	-.114	.671	.863	.400	.336	.374
.015	-.316	-.360	-.382	-.584	-.741	-.093	.089	-.252	-.345	
.030	-.760	-.781	-.821	-1.037	-1.128	-.559	-.440	-.659	-.794	-.767
.050	-.934	-.944	-1.039	-1.233	-1.277	-.712	-.678	-.790	-.931	
.100	-.996	-1.032	-1.163	-1.338	-1.384	-.895	-.855	-.852	-.924	-.984
.175	-1.021	-1.097	-1.198	-1.356	-1.476	-1.088	-.962	-.913	-.907	-.978
.250	-1.081	-1.168	-1.213	-1.339	-1.476	-1.112	-.942	-1.020	-.982	-1.032
.350	-1.097	-1.205	-1.256	-1.257	-1.127	-1.049	-1.185	-.980	-1.008	-1.049
.450	-1.137	-1.205	-1.217	-1.167	-.676	-.827	-1.056	-1.134	-1.025	-1.058
.500	-1.173	-.859	-.945	-.784	-.594	-.699	-1.087	-1.105	-1.102	-1.082
.525	-1.184	-.636	-.694	-.655	-.603	-.730	-1.107	-1.101	-1.127	-1.054
.550	-.813	-.601	-.610	-.581	-.607	-.760	-1.041	-1.079		-.849
.650	-.434	-.532	-.447	-.385	-.482	-.402	-.363	-.362	-.480	-.369
.750	-.248	-.357	-.238	-.271	-.313	-.229	-.254	-.231	-.264	-.280
.850	-.165	-.163	-.089	-.153	-.211	-.099	-.168	-.150	-.119	-.171
.950	-.005	-.022	.030	.009	-.102	.033	.015	.028	.046	.022

LOWER SURFACE

0.000	1.142	1.128	1.131	1.249	1.038	1.286	1.419	1.142	1.135	1.145
.005	.911	.957	.986	1.264	1.084	.701	.681	.854	.897	.853
.015	.378	.428	.465	.719	.529	-.096	.037	.340	.405	.419
.030	.152	.206	.217	.402	.270	-.407	-.259	.037	.109	.110
.050	-.041	-.001	.026	.134	.065	-.446	-.376	-.105	-.039	-.025
.100	-.166	-.133	-.145	-.106	-.108		-.406	-.262	-.216	-.183
.175	-.292	-.292	-.299	-.276	-.281	-.430	-.502	-.460	-.433	-.361
.250	-.393		-.452	-.440	-.348	-.388	-.385	-.426	-.429	-.412
.350	-.405	-.449	-.465	-.489	-.470	-.571	-.530	-.497	-.485	-.476
.450		-.560	-.638	-.596	-.621	-.642	-.616	-.618	-.628	-.522
.550	-.329	-.355	-.334	-.329	-.338	-.316	-.325	-.342	-.352	-.316
.650	-.035	-.014	-.014	-.010	-.021	.028	-.017	-.044	-.034	-.016
.750		.228	.241	.255	.237	.205	.217	.211	.215	.223
.850	.361	.366	.422	.437	.405	.316	.387	.365	.364	.361
.925	.423	.407	.500	.518	.483	.376	.459	.433	.418	.416
.990	.279	.232	.303	.318	.319	.222	.349	.300	.284	.294

MACH ALPHA CT J CONF NPR RUN POINT
 .799 2.506 .307 3.212 3. 1.35 16. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.148	1.123	1.119	1.274	1.024	1.302	1.436	1.133	1.129	1.147
.005	.292	.289	.224	.066	-.137	.683	.885	.404	.342	.370
.015	-.325	-.366	-.400	-.598	-.744	-.084	.109	-.268	-.360	
.030	-.766	-.785	-.830	-1.053	-1.116	-.534	-.426	-.655	-.799	-.769
.050	-.939	-.946	-1.051	-1.249	-1.278	-.694	-.669	-.788	-.940	
.100	-1.003	-1.042	-1.183	-1.381	-1.420	-.883	-.848	-.859	-.931	-.992
.175	-1.034	-1.101	-1.235	-1.393	-1.504	-1.083	-.963	-.923	-.898	-.990
.250	-1.091	-1.163	-1.256	-1.360	-1.521	-1.120	-.917	-1.031	-.960	-1.042
.350	-1.104	-1.235	-1.298	-1.283	-1.206	-1.045	-1.192	-.992	-.994	-1.059
.450	-1.142	-1.250	-1.255	-1.179	-.710	-.888	-1.074	-1.147	-1.017	-1.067
.500	-1.168	-.850	-.822	-.787	-.605	-.727	-1.091	-1.136	-1.095	-1.096
.525	-1.025	-.662	-.689	-.678	-.591	-.727	-1.107	-1.130	-1.125	-1.109
.550	-.711	-.625	-.622	-.622	-.565	-.744	-1.107	-1.132		-1.004
.650	-.456	-.511	-.494	-.425	-.422	-.353	-.442	-.467	-.437	-.384
.750	-.287	-.289	-.310	-.283	-.395	-.212	-.259	-.257	-.225	-.283
.850	-.176	-.094	-.148	-.166	-.222	-.080	-.174	-.145	-.119	-.167
.950	-.017	.039	-.038	-.007	-.110	.082	.019	.027	.057	.021

LOWER SURFACE

0.000	1.148	1.123	1.119	1.274	1.024	1.302	1.436	1.133	1.129	1.147
.005	.908	.958	1.001	1.301	1.101	.690	.690	.854	.874	.858
.015	.376	.438	.485	.750	.547	-.113	.038	.334	.387	.432
.030	.144	.206	.249	.418	.284	-.442	-.271	.050	.095	.121
.050	-.054	-.009	.056	.151	.087	-.485	-.376	-.095	-.031	-.025
.100	-.190	-.146	-.111	-.109	-.103		-.406	-.241	-.212	-.174
.175	-.319	-.300	-.273	-.291	-.293	-.444	-.504	-.425	-.428	-.361
.250	-.430		-.422	-.476	-.356	-.383	-.376	-.384	-.424	-.404
.350	-.457	-.456	-.437	-.502	-.479	-.567	-.524	-.459	-.483	-.477
.450		-.577	-.591	-.632	-.644	-.654	-.600	-.525	-.623	-.596
.550	-.351	-.348	-.333	-.339	-.341	-.298	-.327	-.320	-.344	-.323
.650	-.040	.015	-.006	-.024	-.023	.037	-.029	-.022	-.030	-.025
.750		.253	.246	.245	.256	.219	.219	.236	.209	.211
.850	.354	.392	.433	.448	.444	.322	.384	.388	.361	.350
.925	.412	.434	.511	.532	.525	.379	.456	.446	.411	.405
.990	.264	.268	.305	.316	.367	.263	.349	.315	.276	.285

MACH ALPHA CT J CONF NPR RUN POINT
 .798 2.501 .373 3.232 3. 1.59 18. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.141	1.123	1.123	1.289	1.014	1.308	1.460	1.138	1.132	1.144
.005	.287	.271	.207	.026	-.178	.759	.968	.425	.341	.370
.015	-.333	-.368	-.404	-.634	-.803	-.005	.207	-.216	-.342	
.030	-.765	-.793	-.851	-1.099	-1.166	-.468	-.342	-.618	-.792	-.768
.050	-.952	-.961	-1.073	-1.290	-1.321	-.620	-.589	-.752	-.931	
.100	-1.013	-1.050	-1.208	-1.402	-1.436	-.825	-.796	-.823	-.908	-.992
.175	-1.033	-1.122	-1.241	-1.427	-1.536	-1.053	-.921	-.891	-.885	-.981
.250	-1.092	-1.188	-1.264	-1.391	-1.561	-1.049	-.897	-1.015	-.954	-1.033
.350	-1.104	-1.230	-1.305	-1.311	-1.252	-1.062	-1.149	-.978	-.985	-1.029
.450	-1.147	-1.139	-.994	-.971	-.821	-.887	-1.053	-1.132	-1.020	-1.046
.500	-1.186	-.717	-.697	-.714	-.745	-.864	-1.100	-1.109	-1.092	-1.039
.525	-1.151	-.631	-.657	-.667	-.644	-.943	-1.120	-1.112	-1.120	-1.061
.550	-.804	-.614	-.523	-.632	-.536	-1.010	-1.128	-1.108		-.924
.650	-.436	-.533	-.529	-.477	-.427	-.762	-.690	-.514	-.472	-.388
.750	-.272	-.376	-.370	-.321	-.265	-.247	-.246	-.259	-.256	-.292
.850	-.185	-.198	-.206	-.178	-.105	-.082	-.152	-.143	-.114	-.172
.950	-.014	-.053	-.072	-.041	-.233	.102	.042	.038	.058	.026

LOWER SURFACE

0.000	1.141	1.123	1.123	1.289	1.014	1.308	1.460	1.138	1.132	1.144
.005	.914	.974	1.001	1.357	1.136	.629	.629	.835	.873	.853
.015	.388	.446	.497	.818	.608	-.204	-.039	.320	.392	.413
.030	.154	.228	.248	.470	.341	-.534	-.362	.010	.109	.106
.050	-.044	.020	.058	.191	.122	-.576	-.463	-.122	-.038	-.028
.100	-.173	-.124	-.117	-.083	-.074		-.503	-.275	-.213	-.176
.175	-.299	-.274	-.272	-.278	-.268	-.446	-.503	-.442	-.412	-.366
.250	-.408		-.434	-.462	-.344	-.375	-.400	-.407	-.424	-.414
.350	-.424	-.436	-.443	-.478	-.464	-.553	-.520	-.474	-.468	-.476
.450		-.533	-.620	-.616	-.625	-.640	-.610	-.554	-.577	-.543
.550	-.329	-.357	-.336	-.315	-.336	-.279	-.318	-.312	-.338	-.319
.650	-.041	-.004	-.022	-.011	-.011	.065	-.012	-.022	-.023	-.018
.750		.235	.240	.273	.257	.226	.223	.230	.223	.215
.850	.371	.382	.428	.465	.457	.327	.396	.384	.368	.360
.925	.420	.419	.515	.544	.511	.398	.463	.449	.427	.406
.990	.279	.220	.267	.296	.379	.314	.371	.314	.297	.284

MACH ALPHA CT J CONF NPR RUN POINT
 .800 2.519 .402 3.408 3. 1.68 15. 12.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.144	1.126	1.123	1.288	1.016	1.305	1.450	1.140	1.136	1.144
.005	.294	.293	.207	.033	-.175	.806	.999	.435	.353	.366
.015	-.322	-.356	-.406	-.639	-.798	.052	.248	-.194	-.333	
.030	-.759	-.778	-.847	-1.101	-1.158	-.407	-.293	-.583	-.776	-.768
.050	-.933	-.947	-1.063	-1.294	-1.322	-.565	-.557	-.720	-.910	
.100	-.998	-1.030	-1.203	-1.427	-1.464	-.780	-.754	-.805	-.876	-.982
.175	-1.025	-1.110	-1.259	-1.443	-1.549	-1.021	-.885	-.871	-.861	-.976
.250	-1.086	-1.179	-1.281	-1.405	-1.593	-1.055	-.888	-.989	-.928	-1.028
.350	-1.100	-1.247	-1.324	-1.330	-1.247	-1.011	-1.154	-.984	-.964	-1.024
.450	-1.142	-1.227	-1.095	-.907	-.832	-.826	-1.046	-1.136	-1.016	-1.044
.500	-1.167	-.736	-.726	-.737	-.764	-.843	-1.085	-1.102	-1.084	-1.077
.525	-1.017	-.656	-.678	-.696	-.716	-.922	-1.103	-1.109	-1.115	-1.081
.550	-.722	-.634	-.639	-.663	-.566	-.988	-1.117	-1.112		-1.024
.650	-.467	-.530	-.529	-.510	-.478	-.730	-.960	-.551	-.503	-.402
.750	-.324	-.357	-.368	-.343	-.435	-.257	-.272	-.303	-.285	-.298
.850	-.202	-.189	-.209	-.193	-.306	-.076	-.143	-.138	-.106	-.168
.950	-.035	-.061	-.099	-.065	-.225	.124	.042	.041	.060	.030

LOWER SURFACE

0.000	1.144	1.126	1.123	1.288	1.016	1.305	1.450	1.140	1.136	1.144
.005	.908	.965	1.005	1.353	1.149	.583	.596	.817	.871	.863
.015	.374	.455	.494	.825	.627	-.265	-.075	.293	.375	.415
.030	.149	.236	.256	.480	.343	-.595	-.385	-.010	.085	.110
.050	-.048	.019	.065	.197	.132	-.652	-.484	-.138	-.041	-.020
.100	-.182	-.130	-.112	-.080	-.069		-.523	-.285	-.228	-.189
.175	-.308	-.276	-.264	-.277	-.276	-.446	-.482	-.450	-.430	-.371
.250	-.416		-.432	-.470	-.350	-.398	-.451	-.404	-.432	-.420
.350	-.442	-.449	-.444	-.471	-.467	-.555	-.517	-.466	-.470	-.484
.450		-.567	-.606	-.623	-.646	-.662	-.618	-.552	-.614	-.572
.550	-.343	-.362	-.319	-.348	-.343	-.249	-.315	-.318	-.336	-.320
.650	-.037	-.005	-.016	-.015	-.011	.067	-.015	-.013	-.022	-.019
.750		.235	.244	.261	.247	.220	.220	.234	.221	.216
.850	.359	.384	.440	.463	.446	.317	.393	.383	.367	.354
.925	.407	.429	.511	.534	.546	.386	.466	.455	.430	.408
.990	.255	.221	.265	.287	.391	.320	.365	.316	.291	.286

MACH ALPHA CT J CONF NPR RUN POINT
 .799 3.008 .399 3.409 3. 1.67 15. 13.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.131	1.105	1.101	1.272	.989	1.342	1.462	1.127	1.119	1.139
.005	.240	.220	.155	-.024	-.247	.789	.964	.375	.299	.316
.015	-.373	-.434	-.463	-.682	-.863	.011	.204	-.263	-.409	
.030	-.800	-.839	-.898	-1.145	-1.204	-.446	-.350	-.659	-.832	-.810
.050	-.983	-.996	-1.112	-1.337	-1.367	-.616	-.611	-.787	-.976	
.100	-1.051	-1.094	-1.247	-1.462	-1.505	-.835	-.806	-.858	-.955	-1.043
.175	-1.072	-1.165	-1.302	-1.482	-1.588	-1.053	-.938	-.921	-.922	-1.028
.250	-1.132	-1.219	-1.320	-1.452	-1.632	-1.107	-.910	-1.040	-.975	-1.087
.350	-1.145	-1.290	-1.358	-1.364	-1.223	-1.065	-1.203	-1.010	-1.016	-1.095
.450	-1.183	-1.144	-.816	-.811	-.807	-.863	-1.085	-1.171	-1.046	-1.087
.500	-1.167	-.705	-.719	-.738	-.700	-.876	-1.114	-1.164	-1.118	-1.117
.525	-.845	-.668	-.692	-.707	-.644	-.953	-1.132	-1.159	-1.150	-1.129
.550	-.671	-.640	-.649	-.670	-.532	-1.012	-1.147	-1.145		-.979
.650	-.483	-.530	-.537	-.520	-.521	-.738	-.766	-.548	-.527	-.389
.750	-.319	-.372	-.386	-.358	-.418	-.261	-.266	-.340	-.347	-.280
.850	-.192	-.234	-.237	-.238	-.327	-.090	-.156	-.130	-.116	-.161
.950	-.032	-.115	-.127	-.131	-.255	.103	.039	.049	.058	.033

LOWER SURFACE

0.000	1.131	1.105	1.101	1.272	.989	1.342	1.462	1.127	1.119	1.139
.005	.942	.996	1.024	1.376	1.171	.626	.647	.879	.917	.890
.015	.433	.500	.540	.856	.671	-.215	-.016	.378	.450	.464
.030	.206	.285	.293	.529	.389	-.542	-.330	.066	.160	.146
.050	.014	.075	.100	.243	.169	-.588	-.434	-.072	.020	.007
.100	-.123	-.072	-.077	-.034	-.035		-.482	-.240	-.174	-.153
.175	-.269	-.231	-.241	-.231	-.235	-.427	-.485	-.415	-.374	-.339
.250	-.376		-.399	-.425	-.308	-.359	-.405	-.383	-.391	-.392
.350	-.407	-.408	-.423	-.474	-.439	-.544	-.504	-.454	-.440	-.474
.450		-.519	-.601	-.598	-.606	-.622	-.614	-.528	-.555	-.517
.550	-.341	-.364	-.339	-.331	-.357	-.281	-.337	-.319	-.327	-.312
.650	-.044	-.004	-.029	-.015	-.014	.068	-.016	-.019	-.015	-.015
.750		.225	.223	.259	.250	.234	.226	.227	.227	.227
.850	.358	.371	.417	.459	.450	.342	.404	.382	.377	.369
.925	.406	.411	.492	.534	.533	.413	.476	.445	.427	.413
.990	.257	.189	.224	.264	.351	.329	.373	.303	.282	.287

MACH ALPHA CT J CONF NPR RUN POINT
 .701 -.023 .466 3.026 2. 1.76 24. 25.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.125	1.120	1.103	1.344	1.005	1.067	1.317	1.105	1.115	1.117
.005	.401	.368	.190	.053	-.262	.872	1.126	.673	.580	.541
.015	-.261	-.320	-.470	-.712	-1.001	.189	.473	.046	-.072	
.030	-.712	-.807	-.969	-1.264	-1.317	-.223	-.076	-.359	-.479	-.566
.050	-.833	-.933	-1.125	-1.489	-1.396	-.327	-.369	-.503	-.565	
.100	-.689	-.851	-1.104	-1.466	-.970	-.459	-.466	-.479	-.515	-.512
.175	-.621	-.683	-.628	-.485	-.575	-.539	-.603	-.569	-.578	-.580
.250	-.594	-.601	-.587	-.571	-.542	-.521	-.502	-.569	-.506	-.496
.350	-.537	-.615	-.604	-.573	-.574	-.553	-.537	-.548	-.521	-.513
.450	-.505	-.544	-.534	-.553	-.555	-.561	-.540	-.552	-.512	-.496
.500	-.500	-.530	-.520	-.572	-.532	-.541	-.527	-.528	-.507	-.484
.525	-.516	-.518	-.517	-.556	-.557	-.543	-.528	-.528	-.498	-.479
.550	-.480	-.518	-.500	-.559	-.537	-.530	-.517	-.517		-.462
.650	-.439	-.460	-.475	-.507	-.506	-.509	-.515	-.459	-.469	-.430
.750	-.366	-.373	-.388	-.418	-.409	-.446	-.456	-.427	-.379	-.369
.850	-.237	-.250	-.254	-.269	-.260	-.269	-.317	-.277	-.253	-.229
.950	-.032	-.040	-.051		-.059	-.165	-.093	-.022	-.009	-.018

LOWER SURFACE

0.000	1.125	1.120	1.103	1.344	1.005	1.067	1.317	1.105	1.115	1.117
.005	.683	.774	.889	1.284	1.002	.122	-.026	.380	.500	.547
.015	.029	.154	.262	.614	.402	-.857	-.799	-.335	-.144	.007
.030	-.179	-.056	.009	.267	.143	-1.199	-1.230	-.719	-.442	-.312
.050	-.327	-.233	-.176	-.013	-.065	-1.354	-1.294	-.820	-.531	-.400
.100	-.374	-.313	-.297	-.246	-.249		-1.301	-.845	-.613	-.456
.175	-.405	-.390	-.390	-.368	-.415	-.642	-.595	-.718	-.666	-.551
.250	-.448	-.434	-.454	-.456	-.423	-.540	-.553	-.543	-.532	-.504
.350	-.414	-.409	-.430	-.417	-.399	-.372	-.484	-.496	-.491	-.496
.450		-.410	-.462	-.409	-.352	-.170	-.405	-.442	-.480	-.472
.550	-.314	-.345	-.339	-.346	-.378	-.296	-.276	-.304	-.318	-.331
.650	-.049	-.023	-.040	-.027	.082	-.332	.015	-.030	-.043	-.067
.750		.215	.242	.280	.351	-.210	.204	.212	.192	.175
.850	.335	.380	.453	.493	.516	.152	.330	.352	.326	.319
.925	.383	.433	.547	.567		.932	.438	.412	.379	.372
.990	.261	.270	.332	.358	.476	.576	.391	.297	.264	.255

MACH ALPHA CT J CONF NPR RUN POINT
 .700 .973 .466 3.025 2. 1.76 24. 26.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.094	1.094	1.087	1.263	.873	1.129	1.369	1.114	1.122	1.101
.005	.225	.182	.021	-.110	-.469	.761	1.096	.554	.425	.381
.015	-.463	-.538	-.675	-.865	-1.166	.041	.320	-.125	-.306	
.030	-.956	-1.022	-1.152	-1.388	-1.454	-.367	-.251	-.567	-.735	-.817
.050	-1.048	-1.140	-1.347	-1.606	-1.511	-.450	-.544	-.692	-.783	
.100	-.895	-1.163	-1.376	-1.630	-1.144	-.554	-.593	-.611	-.646	-.652
.175	-.695	-.735	-.751	-.799	-.630	-.628	-.709	-.685	-.676	-.680
.250	-.655	-.638	-.588	-.518	-.562	-.583	-.559	-.631	-.554	-.554
.350	-.586	-.648	-.634	-.591	-.603	-.600	-.583	-.590	-.564	-.555
.450	-.522	-.569	-.557	-.580	-.580	-.593	-.577	-.579	-.545	-.514
.500	-.523	-.549	-.550	-.594	-.569	-.582	-.556	-.558	-.529	-.510
.525	-.539	-.542	-.538	-.577	-.583	-.574	-.554	-.552	-.523	-.508
.550	-.499	-.542	-.539	-.573	-.551	-.551	-.539	-.543		-.482
.650	-.452	-.472	-.505	-.500	-.509	-.519	-.522	-.495	-.483	-.444
.750	-.371	-.390	-.385	-.404	-.407	-.450	-.461	-.426	-.400	-.377
.850	-.234	-.252	-.249	-.254	-.250	-.260	-.315	-.278	-.260	-.231
.950	-.029	-.037	-.042		-.060	-.162	-.084	-.022	-.009	-.016

LOWER SURFACE

0.000	1.094	1.094	1.087	1.263	.873	1.129	1.369	1.114	1.122	1.101
.005	.814	.886	.995	1.307	1.040	.287	.143	.541	.669	.677
.015	.203	.337	.434	.717	.546	-.659	-.644	-.122	.085	.175
.030	.001	.108	.174	.391	.272	-1.007	-1.069	-.484	-.224	-.129
.050	-.168	-.073	-.019	.098	.064	-1.134	-1.083	-.599	-.330	-.237
.100	-.259	-.194	-.174	-.119	-.132		-.970	-.637	-.451	-.332
.175	-.330	-.293	-.292	-.271	-.310	-.637	-.732	-.636	-.559	-.455
.250	-.384	-.358	-.380	-.378	-.346	-.529	-.523	-.492	-.464	-.446
.350	-.364	-.358	-.371	-.372	-.351	-.356	-.455	-.458	-.444	-.454
.450		-.366	-.425	-.379	-.323	-.133	-.389	-.424	-.453	-.440
.550	-.291	-.319	-.323	-.319	-.346	-.286	-.261	-.292	-.304	-.334
.650	-.039	-.011	-.037	-.012	.106	-.283	.028	-.041	-.036	-.053
.750		.221	.250	.290	.362	-.195	.185	.208	.205	.183
.850	.338	.385	.460	.502	.520	.147	.347	.360	.340	.328
.925	.390	.439	.549	.564		.937	.463	.423	.392	.377
.990	.253	.263	.333	.349	.469	.579	.430	.293	.265	.249

MACH ALPHA CT J CONF NPR RUN POINT
 .699 2.476 .465 3.023 2. 1.76 24. 27.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.054	1.000	1.081	1.103	.633	1.192	1.440	1.092	1.072	1.095
.005		-.078	-.234	-.371	-.789	.545	.955	.310	.155	.128
.015	-.729	-.811	-.942	-1.072	-1.437	-.238	.119	-.411	-.631	
.030	-1.180	-1.259	-1.396	-1.563	-1.713	-.654	-.487	-.885	-1.138	-1.141
.050	-1.383	-1.422	-1.588	-1.770	-1.717	-.694	-.814	-1.037	-1.209	
.100	-1.387	-1.465	-1.629	-1.838	-1.383	-.772	-.918	-.909	-.994	-1.108
.175	-1.143	-1.382	-1.556	-1.489	-1.092	-.824	-.820	-.833	-.839	-.781
.250	-.736	-.550	-.508	-.613	-.620	-.681	-.695	-.682	-.646	-.622
.350	-.615	-.628	-.598	-.540	-.610	-.659	-.647	-.657	-.636	-.621
.450	-.554	-.585	-.559	-.583	-.593	-.624	-.621	-.620	-.591	-.563
.500	-.541	-.559	-.548	-.596	-.577	-.602	-.585	-.586	-.563	-.540
.525	-.553	-.556	-.541	-.574	-.595	-.598	-.573	-.576	-.556	-.530
.550	-.516	-.552	-.521	-.577	-.562	-.571	-.561	-.562		-.509
.650	-.463	-.471	-.484	-.506	-.513	-.528	-.536	-.480	-.489	-.457
.750	-.369	-.381	-.386	-.393	-.403	-.453	-.461	-.436	-.393	-.372
.850	-.221	-.249	-.245	-.246	-.254	-.269	-.319	-.276	-.248	-.214
.950	-.027	-.032	-.039		-.067	-.164	-.087	-.022	-.003	-.013

LOWER SURFACE

0.000	1.054	1.000	1.081	1.103	.633	1.192	1.440	1.092	1.072	1.095
.005	.939	1.007	1.174	1.345	1.065	.564	.385	.757	.845	.861
.015	.454	.566	.688	.882	.702	-.300	-.381	.184	.343	.425
.030	.214	.319	.394	.552	.449	-.675	-.711	-.169	.047	.121
.050	.033	.128	.185	.297	.247	-.778	-.765	-.285	-.076	-.017
.100	-.107	-.033	-.008	.037	.013		-.633	-.391	-.251	-.157
.175	-.202	-.172	-.159	-.140	-.183	-.570	-.605	-.473	-.393	-.304
.250	-.265	-.259	-.269	-.274	-.238	-.469	-.454	-.395	-.361	-.328
.350	-.295	-.286	-.305	-.296	-.294	-.315	-.395	-.392	-.375	-.371
.450		-.317	-.371	-.322	-.288	-.084	-.344	-.373	-.402	-.391
.550	-.266	-.299	-.287	-.284	-.310	-.278	-.241	-.263	-.270	-.277
.650	-.028	.004	-.007	.009	.123	-.229	.020	-.025	-.025	-.044
.750		.236	.263	.297	.366	-.145	.247	.220	.206	.189
.850	.355	.395	.470	.502	.522	.128	.390	.374	.356	.338
.925	.403	.448	.548	.568		.932	.489	.433	.400	.387
.990	.251	.256	.333	.351	.466	.608	.411	.290	.252	.247

MACH ALPHA CT J CONF NPR RUN POINT
 .700 2.980 .465 3.023 2. 1.76 24. 28.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.016	.972	1.068	1.057	.552	1.199	1.456	1.075	1.052	1.061
.005	-.107	-.156	-.298	-.443	-.887	.471	.908	.232	.059	.052
.015	-.798	-.879	-1.009	-1.142	-1.521	-.330	.036	-.498	-.728	
.030	-1.251	-1.330	-1.459	-1.620	-1.794	-.753	-.577	-.963	-1.225	-1.228
.050	-1.444	-1.492	-1.654	-1.814	-1.788	-.775	-.883	-1.119	-1.351	
.100	-1.465	-1.542	-1.705	-1.878	-1.435	-.827	-1.029	-1.114	-1.181	-1.310
.175	-1.334	-1.496	-1.656	-1.680	-1.277	-.948	-.994	-.925	-.812	-.710
.250	-.574	-.999	-.799	-.802	-.665	-.665	-.660	-.694	-.652	-.624
.350	-.600	-.581	-.547	-.502	-.601	-.667	-.661	-.672	-.656	-.632
.450	-.552	-.567	-.545	-.556	-.586	-.629	-.625	-.634	-.601	-.573
.500	-.546	-.548	-.545	-.586	-.569	-.604	-.588	-.602	-.570	-.553
.525	-.552	-.547	-.537	-.572	-.588	-.598	-.584	-.588	-.562	-.538
.550	-.514	-.541	-.524	-.567	-.562	-.579	-.562	-.568		-.515
.650	-.459	-.466	-.491	-.497	-.512	-.534	-.536	-.494	-.490	-.458
.750	-.365	-.375	-.382	-.393	-.394	-.448	-.465	-.435	-.389	-.372
.850	-.226	-.243	-.238	-.243	-.246	-.264	-.318	-.274	-.243	-.219
.950	-.024	-.037	-.034		-.064	-.158	-.086	-.022	-.006	-.008

LOWER SURFACE

0.000	1.016	.972	1.068	1.057	.552	1.199	1.456	1.075	1.052	1.061
.005	.974	1.038	1.225	1.341	1.065	.642	.469	.816	.907	.888
.015	.509	.614	.759	.925	.749	-.182	-.296	.269	.422	.493
.030	.275	.383	.474	.602	.497	-.537	-.623	-.054	.121	.193
.050	.090	.176	.252	.340	.290	-.665	-.651	-.186	-.015	.048
.100	-.050	.005	.040	.082	.063		-.570	-.329	-.191	-.097
.175	-.165	-.138	-.126	-.100	-.143	-.541	-.555	-.432	-.339	-.260
.250	-.239	-.230	-.231	-.235	-.212	-.453	-.425	-.363	-.326	-.303
.350	-.267	-.266	-.275	-.269	-.278	-.296	-.380	-.365	-.347	-.350
.450		-.304	-.348	-.306	-.276	-.064	-.334	-.352	-.382	-.369
.550	-.258	-.275	-.281	-.267	-.299	-.266	-.238	-.252	-.264	-.280
.650	-.019	.015	-.001	.012	.127	-.205	.014	-.017	-.015	-.039
.750		.239	.267	.301	.381	-.137	.243	.226	.215	.195
.850	.365	.401	.479	.505	.526	.136	.405	.375	.357	.345
.925	.412	.453	.553	.569		.940	.498	.433	.404	.393
.990	.260	.259	.331	.354	.464	.614	.405	.294	.253	.244

MACH ALPHA CT J CONF NPR RUN POINT
 .750 -.024 .391 3.229 2. 1.57 24. 29.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.143	1.142	1.140	1.348	1.087	1.117	1.304	1.128	1.133	1.135
.005	.488	.474	.360	.269	-.012	.831	1.095	.680	.607	.582
.015	-.153	-.189	-.253	-.443	-.714	.154	.400	.065	-.068	
.030	-.615	-.647	-.740	-.963	-1.040	-.249	-.118	-.357	-.489	-.536
.050	-.773	-.790	-.910	-1.183	-1.140	-.338	-.413	-.519	-.595	
.100	-.727	-.865	-1.013	-1.285	-.944	-.475	-.513	-.501	-.546	-.536
.175	-.699	-.856	-.977	-1.085	-.828	-.604	-.644	-.644	-.651	-.656
.250	-.718	-.661	-.465	-.382	-.493	-.585	-.686	-.627	-.603	-.550
.350	-.565	-.649	-.644	-.641	-.635	-.599	-.591	-.594	-.564	-.565
.450	-.547	-.584	-.575	-.589	-.601	-.612	-.595	-.616	-.572	-.551
.500	-.543	-.570	-.574	-.623	-.593	-.608	-.587	-.586	-.557	-.535
.525	-.557	-.567	-.570	-.614	-.617	-.600	-.588	-.582	-.551	-.525
.550	-.516	-.563	-.553	-.615	-.590	-.578	-.565	-.568		-.502
.650	-.462	-.485	-.508	-.525	-.527	-.530	-.537	-.491	-.496	-.458
.750	-.379	-.386	-.393	-.402	-.408	-.437	-.438	-.420	-.393	-.382
.850	-.236	-.242	-.253	-.247	-.226	-.265	-.285	-.262	-.238	-.229
.950	-.016	-.017	-.032		-.019	-.094	-.060	.003	.012	-.001

LOWER SURFACE

0.000	1.143	1.142	1.140	1.348	1.087	1.117	1.304	1.128	1.133	1.135
.005	.694	.764	.846	1.167	.946	.267	.166	.482	.551	.572
.015	-.001	.110	.215	.492	.306	-.637	-.555	-.185	-.066	.034
.030	-.189	-.106	-.028	.151	.056	-.950	-.958	-.554	-.373	-.270
.050	-.373	-.281	-.218	-.122	-.155	-1.105	-1.017	-.691	-.488	-.396
.100	-.424	-.358	-.356	-.327	-.336		-1.088	-.807	-.627	-.480
.175	-.480	-.459	-.468	-.472	-.526	-1.225	-1.056	-.896	-.819	-.642
.250	-.529	-.524	-.555	-.561	-.495	-.491	-.426	-.563	-.607	-.568
.350	-.474	-.471	-.469	-.455	-.416	-.328	-.464	-.498	-.507	-.541
.450		-.461	-.493	-.438	-.338	-.130	-.403	-.460	-.506	-.518
.550	-.338	-.356	-.359	-.364	-.384	-.369	-.274	-.305	-.327	-.345
.650	-.045	-.017	-.036	-.031	.050	-.173	.023	-.022	-.029	-.053
.750		.224	.237	.258	.313	.070	.233	.221	.199	.177
.850	.340	.375	.426	.456	.453	.445	.348	.349	.338	.323
.925	.394	.428	.522	.530		.736	.407	.406	.382	.372
.990	.277	.279	.328	.343	.382	.313	.371	.290	.265	.258

MACH ALPHA CT J CONF NPR RUN POINT
 .749 -.025 .441 3.085 2. 1.87 24. 21.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.145	1.133	1.392	1.083	1.103	1.339	1.129	1.136	1.137
.005	.479	.451	.341	.208	-.062	.890	1.184	.690	.596	.580
.015	-.157	-.193	-.281	-.513	-.783	.221	.502	.073	-.044	
.030	-.626	-.654	-.754	-1.034	-1.113	-.197	-.040	-.329	-.464	-.545
.050	-.777	-.791	-.928	-1.255	-1.207	-.297	-.350	-.483	-.561	
.100	-.746	-.867	-1.040	-1.364	-1.037	-.464	-.483	-.473	-.518	-.551
.175	-.703	-.884	-1.020	-1.226	-.932	-.615	-.640	-.630	-.635	-.651
.250	-.730	-.788	-.512	-.314	-.456	-.639	-.733	-.655	-.600	-.546
.350	-.561	-.623	-.600	-.580	-.594	-.569	-.549	-.584	-.559	-.557
.450	-.540	-.584	-.573	-.593	-.606	-.641	-.640	-.632	-.579	-.544
.500	-.542	-.576	-.572	-.640	-.612	-.629	-.584	-.578	-.563	-.534
.525	-.550	-.570	-.568	-.631	-.635	-.609	-.574	-.579	-.553	-.517
.550	-.518	-.567	-.551	-.625	-.601	-.579	-.560	-.571		-.502
.650	-.474	-.488	-.510	-.540	-.546	-.564	-.562	-.500	-.504	-.467
.750	-.376	-.389	-.399	-.428	-.421	-.460	-.466	-.436	-.400	-.379
.850	-.232	-.243	-.250	-.260	-.245	-.285	-.304	-.264	-.240	-.224
.950	-.014	-.015	-.031		-.031	-.139	-.062	.005	.017	-.001

LOWER SURFACE

C.000	1.147	1.145	1.133	1.392	1.083	1.103	1.339	1.129	1.136	1.137
.005	.696	.770	.883	1.274	.989	.225	.109	.468	.557	.574
.015	.018	.136	.273	.591	.365	-.675	-.616	-.209	-.076	.017
.030	-.180	-.075	.015	.250	.116	-.995	-1.023	-.588	-.385	-.294
.050	-.349	-.255	-.176	-.048	-.098	-1.164	-1.123	-.719	-.504	-.400
.100	-.408	-.347	-.331	-.286	-.296		-1.197	-.853	-.644	-.481
.175	-.473	-.447	-.462	-.447	-.498	-1.398	-1.147	-.957	-.837	-.649
.250	-.517	-.511	-.566	-.569	-.528	-.552	-.662	-.873	-.737	-.581
.350	-.459	-.463	-.469	-.461	-.429	-.330	-.445	-.470	-.512	-.543
.450		-.449	-.499	-.442	-.340	-.184	-.422	-.464	-.505	-.512
.550	-.329	-.348	-.352	-.374	-.411	-.319	-.290	-.309	-.326	-.343
.650	-.039	-.008	-.028	-.027	.049	-.243	.015	-.024	-.030	-.054
.750		.235	.254	.287	.353	.206	.237	.225	.205	.184
.850	.348	.385	.466	.502	.513	.772	.367	.363	.332	.329
.925	.395	.438	.562	.578		1.293	.440	.416	.387	.374
.990	.269	.287	.351	.381	.485	.746	.387	.301	.275	.260

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.748	.005	.457	3.241	2.	1.85	23.	19.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.142	1.129	1.366	1.062	1.106	1.323	1.117	1.132	1.137
.005	.477	.447	.339	.199	-.099	.897	1.185	.694	.603	.588
.015	-.154	-.222	-.297	-.521	-.809	.229	.503	.076	-.052	
.030	-.634	-.670	-.769	-1.040	-1.135	-.183	-.041	-.328	-.459	-.540
.050	-.784	-.803	-.950	-1.257	-1.236	-.298	-.339	-.500	-.568	
.100	-.734	-.873	-1.057	-1.364	-1.041	-.460	-.472	-.486	-.518	-.523
.175	-.696	-.874	-1.033	-1.203	-.894	-.602	-.634	-.639	-.632	-.638
.250	-.719	-.693	-.507	-.320	-.457	-.587	-.697	-.650	-.574	-.535
.350	-.555	-.634	-.611	-.589	-.606	-.591	-.580	-.592	-.565	-.548
.450	-.534	-.580	-.580	-.592	-.605	-.625	-.606	-.631	-.567	-.537
.500	-.540	-.568	-.579	-.629	-.607	-.617	-.585	-.583	-.556	-.528
.525	-.547	-.564	-.569	-.617	-.634	-.613	-.586	-.584	-.549	-.514
.550	-.514	-.564	-.549	-.614	-.602	-.589	-.571	-.559		-.499
.650	-.466	-.488	-.508	-.534	-.550	-.563	-.552	-.496	-.498	-.461
.750	-.379	-.393	-.388	-.419	-.425	-.463	-.461	-.425	-.402	-.383
.850	-.234	-.250	-.246	-.252	-.249	-.266	-.298	-.262	-.248	-.226
.950	-.014	-.020	-.035		-.042	-.163	-.063	-.003	.011	.000

LOWER SURFACE

0.000	1.147	1.142	1.129	1.366	1.062	1.106	1.323	1.117	1.132	1.137
.005	.711	.773	.867	1.251	.991	.214	.094	.460	.541	.578
.015	.039	.135	.259	.602	.375	-.705	-.634	-.225	-.070	.024
.030	-.162	-.074	.011	.253	.128	-1.034	-1.036	-.608	-.386	-.289
.050	-.352	-.255	-.190	-.027	-.088	-1.188	-1.127	-.736	-.505	-.412
.100	-.412	-.334	-.336	-.263	-.285		-1.200	-.870	-.652	-.498
.175	-.454	-.427	-.467	-.432	-.486	-1.381	-1.156	-.953	-.839	-.662
.250	-.502	-.491	-.566	-.555	-.495	-.534	-.632	-.773	-.689	-.585
.350	-.458	-.447	-.472	-.443	-.416	-.336	-.449	-.480	-.509	-.544
.450		-.442	-.506	-.429	-.333	-.176	-.424	-.463	-.504	-.511
.550	-.323	-.349	-.364	-.364	-.393	-.313	-.286	-.311	-.325	-.340
.650	-.041	-.007	-.035	-.018	.062	-.286	.017	-.028	-.028	-.044
.750		.223	.247	.289	.349	.190	.233	.217	.205	.186
.850	.346	.382	.457	.495	.509	.769	.375	.358	.339	.323
.925	.393	.438	.550	.569		1.263	.445	.409	.391	.381
.990	.271	.282	.339	.374	.492	.720	.386	.295	.280	.268

MACH ALPHA CT J CONF NPR RUN POINT
 .749 .978 .393 3.226 2. 1.58 24. 30.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.135	1.130	1.130	1.271	.978	1.158	1.350	1.137	1.135	1.132
.005	.359	.326	.220	.120	-.183	.737	1.013	.570	.475	.447
.015	-.300	-.351	-.435	-.578	-.874	.011	.269	-.100	-.237	
.030	-.786	-.823	-.890	-1.079	-1.175	-.409	-.268	-.529	-.709	-.743
.050	-.898	-.954	-1.093	-1.285	-1.254	-.472	-.568	-.705	-.815	
.100	-.977	-1.034	-1.173	-1.398	-1.053	-.586	-.678	-.659	-.682	-.760
.175	-.919	-1.054	-1.171	-1.304	-1.004	-.703	-.726	-.728	-.741	-.741
.250	-.836	-1.030	-1.098	-.767	-.695	-.818	-.844	-.872	-.801	-.694
.350	-.580	-.516	-.491	-.508	-.581	-.589	-.526	-.544	-.578	-.595
.450	-.549	-.584	-.567	-.597	-.603	-.626	-.631	-.650	-.606	-.571
.500	-.557	-.576	-.578	-.638	-.605	-.633	-.627	-.613	-.582	-.560
.525	-.568	-.574	-.579	-.615	-.625	-.616	-.594	-.599	-.571	-.545
.550	-.525	-.572	-.561	-.618	-.586	-.577	-.569	-.572		-.520
.650	-.474	-.485	-.513	-.522	-.521	-.529	-.539	-.499	-.499	-.473
.750	-.384	-.389	-.395	-.400	-.396	-.430	-.443	-.424	-.396	-.389
.850	-.224	-.245	-.246	-.230	-.226	-.272	-.276	-.256	-.241	-.218
.950	-.011	-.011	-.032		-.027	-.096	-.049	.000	.018	.001

LOWER SURFACE

0.000	1.135	1.130	1.130	1.271	.978	1.158	1.350	1.137	1.135	1.132
.005	.790	.863	.943	1.201	.987	.413	.305	.617	.684	.702
.015	.174	.280	.366	.593	.436	-.461	-.430	-.009	.099	.198
.030	-.042	.055	.112	.277	.183	-.804	-.800	-.375	-.191	-.110
.050	-.215	-.129	-.080	.010	-.021	-.945	-.829	-.508	-.311	-.238
.100	-.300	-.237	-.223	-.204	-.212		-.924	-.624	-.469	-.337
.175	-.370	-.343	-.356	-.350	-.399	-.722	-.785	-.736	-.621	.510
.250	-.444	-.424	-.442	-.451	-.405	-.502	-.453	-.498	-.502	-.489
.350	-.423	-.411	-.420	-.406	-.361	-.329	-.457	-.480	-.480	-.500
.450		-.409	-.465	-.403	-.311	-.106	-.385	-.441	-.487	-.487
.550	-.317	-.338	-.338	-.340	-.355	-.360	-.262	-.290	-.308	-.334
.650	-.038	-.012	-.028	-.023	.076	-.170	.041	-.020	-.025	-.048
.750		.228	.242	.266	.321	.068	.229	.220	.208	.189
.850	.350	.377	.440	.459	.452	.442	.337	.366	.347	.333
.925	.400	.436	.529	.524		.740	.414	.421	.403	.386
.990	.267	.279	.327	.341	.372	.313	.369	.297	.271	.261

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.470 .391 3.229 2. 1.58 24. 31.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.103	1.077	1.113	1.146	.797	1.192	1.397	1.122	1.111	1.131
.005	.154	.122	-.006	-.107	-.469	.544	.885	.370	.268	.262
.015	-.500	-.575	-.662	-.769	-1.098	-.218	.096	-.322	-.478	
.030	-.946	-.997	-1.098	-1.229	-1.372	-.624	-.469	-.764	-.946	-.939
.050	-1.140	-1.168	-1.289	-1.429	-1.404	-.660	-.743	-.908	-1.073	
.100	-1.192	-1.244	-1.368	-1.530	-1.181	-.713	-.916	-.947	-1.036	-1.096
.175	-1.183	-1.273	-1.366	-1.491	-1.128	-.853	-.934	-.966	-.984	-1.085
.250	-1.204	-1.284	-1.349	-1.274	-1.077	-.989	-.981	-1.020	-1.014	-1.080
.350	-1.046	-1.302	-1.251	-1.007	-1.016	-1.009	-.989	-.997	-.941	-.523
.450	-.438	-.376	-.398	-.449	-.519	-.625	-.511	-.526	-.545	-.563
.500	-.475	-.411	-.414	-.481	-.496	-.444	-.423	-.497	-.534	-.561
.525	-.494	-.437	-.444	-.494	-.520	-.470	-.455	-.518	-.530	-.544
.550	-.471	-.462	-.447	-.510	-.501	-.477	-.475	-.530		-.521
.650	-.452	-.440	-.464	-.478	-.480	-.499	-.516	-.478	-.490	-.473
.750	-.364	-.368	-.371	-.375	-.376	-.424	-.437	-.420	-.391	-.377
.850	-.226	-.239	-.230	-.216	-.211	-.266	-.280	-.250	-.240	-.222
.950	-.017	-.018	-.024		-.024	-.086	-.044	.001	.012	-.003

LOWER SURFACE

0.000	1.103	1.077	1.113	1.146	.797	1.192	1.397	1.122	1.111	1.131
.005	.917	.988	1.101	1.248	1.033	.631	.513	.790	.843	.858
.015	.404	.500	.606	.752	.604	-.174	-.200	.227	.349	.400
.030	.169	.266	.326	.446	.373	-.537	-.523	-.105	.045	.096
.050	-.012	.064	.116	.203	.161	-.668	-.621	-.241	-.087	-.048
.100	-.143	-.085	-.059	-.035	-.046		-.601	-.376	-.276	-.177
.175	-.246	-.219	-.215	-.198	-.242	-.589	-.678	-.518	-.431	-.355
.250	-.325	-.308	-.327	-.323	-.292	-.465	-.430	-.420	-.389	-.368
.350	-.348	-.330	-.343	-.328	-.301	-.288	-.408	-.411	-.405	-.418
.450		-.368	-.404	-.347	-.270	-.056	-.338	-.391	-.422	-.436
.550	-.288	-.313	-.299	-.302	-.315	-.329	-.235	-.264	-.286	-.298
.650	-.024	.006	-.010	.002	.084	-.161	.054	-.012	-.015	-.033
.750		.244	.260	.280	.329	.087	.252	.230	.223	.207
.850	.369	.399	.447	.471	.462	.460	.360	.379	.363	.352
.925	.421	.450	.531	.531		.759	.446	.436	.414	.401
.990	.278	.291	.329	.344	.377	.323	.392	.294	.279	.267

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.491 .438 3.082 2. 1.87 24. 23.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.098	1.057	1.098	1.188	.771	1.199	1.433	1.128	1.099	1.123
.005	.145	.092	-.039	-.148	-.512	.604	1.004	.409	.256	.263
.015	-.510	-.591	-.692	-.823	-1.143	-.143	.206	-.275	-.475	
.030	-.958	-1.022	-1.114	-1.284	-1.428	-.552	-.365	-.710	-.951	-.945
.050	-1.154	-1.186	-1.315	-1.485	-1.463	-.610	-.667	-.869	-1.066	
.100	-1.189	-1.255	-1.396	-1.580	-1.235	-.685	-.858	-.906	-1.024	-1.095
.175	-1.188	-1.291	-1.399	-1.550	-1.123	-.841	-.920	-.931	-.973	-1.081
.250	-1.199	-1.309	-1.368	-1.352	-1.123	-.993	-.962	-1.003	-.998	-1.046
.350	-1.020	-1.341	-1.326	-1.028	-1.054	-1.031	-1.000	-.995	-.984	-.539
.450	-.449	-.471	-.395	-.411	-.604	-1.050	-.815	-.587	-.607	-.571
.500	-.466	-.374	-.385	-.448	-.473	-.480	-.371	-.482	-.544	-.554
.525	-.482	-.390	-.418	-.465	-.482	-.406	-.393	-.502	-.527	-.530
.550	-.469	-.415	-.420	-.486	-.470	-.405	-.427	-.515		-.524
.650	-.438	-.423	-.452	-.480	-.467	-.482	-.523	-.478	-.483	-.461
.750	-.359	-.355	-.358	-.387	-.371	-.428	-.459	-.419	-.386	-.376
.850	-.222	-.231	-.224	-.231	-.212	-.253	-.308	-.254	-.232	-.213
.950	-.013	-.012	-.017		-.024	-.138	-.066	.007	.022	.001

LOWER SURFACE

0.000	1.098	1.057	1.098	1.188	.771	1.199	1.433	1.128	1.099	1.123
.005	.928	.999	1.128	1.337	1.058	.588	.434	.763	.850	.857
.015	.417	.515	.632	.840	.674	-.248	-.294	.209	.351	.411
.030	.189	.299	.373	.528	.418	-.611	-.650	-.139	.039	.089
.050	.005	.079	.156	.268	.207	-.759	-.712	-.290	-.093	-.034
.100	-.118	-.080	-.032	.014	-.011		-.767	-.445	-.271	-.183
.175	-.228	-.224	-.199	-.174	-.234	-.625	-.665	-.569	-.430	-.356
.250	-.306	-.314	-.321	-.311	-.310	-.480	-.419	-.462	-.404	-.373
.350	-.328	-.351	-.337	-.324	-.340	-.327	-.434	-.440	-.399	-.423
.450		-.380	-.400	-.347	-.290	-.102	-.363	-.404	-.430	-.426
.550	-.275	-.325	-.302	-.306	-.370	-.251	-.250	-.271	-.283	-.295
.650	-.018	.005	-.001	.015	.070	-.166	.046	-.008	-.012	-.026
.750		.241	.270	.308	.356	.187	.248	.240	.211	.208
.850	.385	.409	.491	.513	.512	.738	.391	.390	.347	.355
.925	.420	.462	.573	.585		1.296	.490	.445	.400	.402
.990	.290	.291	.356	.388	.481	.772	.425	.309	.265	.269

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.513 .452 3.240 2. 1.86 23. 22.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.100	1.065	1.104	1.175	.754	1.196	1.420	1.115	1.109	1.128
.005	.139	.095	-.034	-.159	-.544	.623	.998	.406	.266	.265
.015	-.512	-.584	-.700	-.829	-1.177	-.128	.209	-.281	-.458	
.030	-.959	-1.021	-1.125	-1.273	-1.468	-.541	-.347	-.722	-.942	-.951
.050	-1.146	-1.184	-1.322	-1.466	-1.486	-.596	-.646	-.873	-1.059	
.100	-1.197	-1.259	-1.401	-1.577	-1.238	-.677	-.847	-.916	-1.014	-1.094
.175	-1.196	-1.292	-1.394	-1.548	-1.126	-.831	-.916	-.925	-.960	-1.087
.250	-1.196	-1.311	-1.384	-1.366	-1.116	-.989	-.974	-1.022	-.981	-1.032
.350	-.919	-1.328	-1.359	-1.013	-1.044	-1.029	-1.004	-1.015	-.958	-.535
.450	-.441	-.393	-.401	-.414	-.548	-.961	-.649	-.617	-.565	-.565
.500	-.467	-.381	-.391	-.455	-.474	-.429	-.383	-.484	-.533	-.553
.525	-.492	-.416	-.418	-.470	-.496	-.417	-.419	-.501	-.533	-.542
.550	-.472	-.432	-.419	-.492	-.487	-.432	-.454	-.502		-.522
.650	-.435	-.434	-.456	-.468	-.476	-.496	-.517	-.481	-.490	-.458
.750	-.356	-.358	-.367	-.377	-.371	-.428	-.448	-.428	-.388	-.371
.850	-.218	-.235	-.237	-.216	-.213	-.244	-.289	-.265	-.237	-.213
.950	-.013	-.024	-.027		-.033	-.138	-.052	-.005	.010	.003

LOWER SURFACE

0.000	1.100	1.065	1.104	1.175	.754	1.196	1.420	1.115	1.109	1.128
.005	.926	1.005	1.139	1.313	1.062	.548	.431	.766	.834	.850
.015	.406	.532	.635	.829	.684	-.295	-.306	.192	.345	.403
.030	.181	.296	.369	.507	.436	-.663	-.665	-.141	.046	.097
.050	-.015	.101	.151	.255	.222	-.790	-.722	-.296	-.084	-.037
.100	-.015	-.063	-.039	-.001	-.006		-.759	-.430	-.268	-.190
.175	-.045	-.198	-.200	-.193	-.208	-.607	-.679	-.542	-.441	-.352
.250	-.527	-.290	-.313	-.326	-.280	-.479	-.432	-.438	-.402	-.385
.350	-.345	-.324	-.333	-.338	-.311	-.338	-.431	-.431	-.398	-.427
.450		-.364	-.401	-.362	-.275	-.095	-.369	-.400	-.421	-.445
.550	-.261	-.309	-.302	-.317	-.338	-.241	-.253	-.273	-.280	-.306
.650	-.020	.005	-.004	.021	.089	-.202	.049	-.009	-.013	-.037
.750		.248	.274	.320	.364	.137	.239	.233	.228	.195
.850	.372	.414	.468	.510	.511	.708	.381	.379	.363	.346
.925	.419	.465	.552	.576		1.271	.481	.440	.418	.399
.990	.293	.286	.352	.370	.492	.740	.418	.310	.279	.262

MACH ALPHA CT J CONF NPR RUN POINT
 .749 2.980 .391 3.228 2. 1.58 24. 32.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.081	1.045	1.117	1.095	.713	1.196	1.400	1.110	1.090	1.108
.005	.087	.050	-.062	-.194	-.567	.473	.838	.313	.201	.199
.015	-.573	-.642	-.729	-.836	-1.189	-.303	.034	-.381	-.542	
.030	-.997	-1.060	-1.155	-1.289	-1.451	-.703	-.529	-.825	-1.007	-.996
.050	-1.207	-1.237	-1.356	-1.481	-1.466	-.721	-.804	-.976	-1.157	
.100	-1.257	-1.307	-1.436	-1.569	-1.222	-.766	-.987	-1.020	-1.117	-1.167
.175	-1.242	-1.336	-1.426	-1.537	-1.165	-.895	-1.001	-1.049	-1.067	-1.164
.250	-1.272	-1.345	-1.399	-1.340	-1.118	-1.036	-1.041	-1.095	-1.105	-1.177
.350	-1.254	-1.366	-1.386	-1.072	-1.075	-1.068	-1.053	-1.063	-1.031	-.613
.450	-.424	-.435	-.437	-.447	-.625	-1.016	-.892	-.635	-.511	-.515
.500	-.422	-.360	-.383	-.433	-.492	-.482	-.372	-.452	-.495	-.518
.525	-.451	-.381	-.388	-.440	-.481	-.419	-.380	-.454	-.497	-.519
.550	-.436	-.401	-.395	-.458	-.465	-.410	-.411	-.485		-.506
.650	-.425	-.416	-.431	-.449	-.450	-.461	-.488	-.456	-.481	-.460
.750	-.349	-.352	-.350	-.356	-.360	-.410	-.424	-.404	-.387	-.373
.850	-.214	-.229	-.219	-.203	-.202	-.263	-.272	-.246	-.238	-.215
.950	-.009	-.019	-.020		-.023	-.079	-.042	.002	.009	.001

LOWER SURFACE

0.000	1.081	1.045	1.117	1.095	.713	1.196	1.400	1.110	1.090	1.108
.005	.953	1.021	1.165	1.252	1.043	.693	.565	.848	.905	.892
.015	.470	.565	.658	.802	.670	-.072	-.128	.326	.406	.458
.030	.234	.339	.389	.500	.424	-.423	-.439	-.010	.117	.160
.050	.050	.126	.181	.258	.221	-.584	-.543	-.164	-.019	.021
.100	-.094	-.031	-.017	.020	.009		-.528	-.319	-.194	-.123
.175	-.208	-.172	-.180	-.151	-.195	-.542	-.623	-.461	-.369	-.300
.250	-.285	-.269	-.296	-.281	-.249	-.437	-.418	-.388	-.350	-.343
.350	-.311	-.297	-.319	-.304	-.272	-.269	-.382	-.391	-.369	-.394
.450		-.332	-.385	-.326	-.254	-.043	-.333	-.370	-.401	-.405
.550	-.284	-.296	-.288	-.278	-.297	-.310	-.228	-.263	-.266	-.288
.650	-.021	.011	-.008	.006	.101	-.157	.051	-.013	-.004	-.026
.750		.242	.262	.280	.336	.118	.261	.235	.226	.209
.850	.376	.400	.456	.469	.464	.461	.378	.382	.373	.357
.925	.423	.453	.533	.539		.764	.458	.441	.425	.401
.990	.289	.287	.334	.344	.374	.328	.400	.295	.283	.269

MACH ALPHA CT J CONF NPR RUN POINT
.799 .007 .373 3.437 2. 1.67 23. 11.

WING CP DATA
UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.161	1.161	1.169	1.365	1.132	1.136	1.313	1.155	1.152	1.154
.005	.562	.568	.490	.371	.117	.879	1.110	.724	.659	.636
.015	-.031	-.063	-.101	-.297	-.564	.234	.450	.125	.019	
.030	-.479	-.506	-.554	-.783	-.888	-.178	-.040	-.272	-.409	-.449
.050	-.629	-.637	-.741	-.987	-.995	-.272	-.329	-.447	-.536	
.100	-.694	-.760	-.869	-1.101	-.884	-.418	-.465	-.456	-.503	-.531
.175	-.720	-.810	-.903	-1.046	-.817	-.553	-.572	-.575	-.600	-.614
.250	-.801	-.872	-.920	-.831	-.755	-.688	-.712	-.738	-.705	-.730
.350	-.796	-.937	-.779	-.678	-.686	-.765	-.762	-.756	-.748	-.771
.450	-.770	-.721	-.698	-.704	-.733	-.826	-.826	-.829	-.807	-.609
.500	-.748	-.678	-.699	-.761	-.751	-.819	-.833	-.855	-.825	-.615
.525	-.645	-.627	-.654	-.776	-.791	-.818	-.859	-.856	-.823	-.645
.550	-.456	-.566	-.652	-.794	-.779	-.788	-.853	-.855		-.636
.650	-.476	-.557	-.615	-.692	-.757	-.826	-.770	-.491	-.466	-.486
.750	-.370	-.359	-.354	-.326	-.303	-.298	-.314	-.343	-.346	-.365
.850	-.214	-.209	-.204	-.187	-.158	-.219	-.226	-.203	-.199	-.203
.950	.011	.015	-.000		.015	-.047	-.014	.035	.041	.025

LOWER SURFACE

0.000	1.161	1.161	1.169	1.365	1.132	1.136	1.313	1.155	1.152	1.154
.005	.705	.772	.851	1.151	.947	.316	.240	.554	.595	.605
.015	.020	.108	.217	.485	.300	-.526	-.435	-.084	.009	.081
.030	-.171	-.090	-.014	.178	.076	-.830	-.810	-.444	-.287	-.246
.050	-.367	-.285	-.217	-.111	-.147	-.973	-.891	-.580	-.408	-.367
.100	-.454	-.372	-.368	-.331	-.337		-.992	-.729	-.575	-.466
.175	-.559	-.510	-.526	-.515	-.583	-1.233	-1.019	-.842	-.766	-.675
.250	-.631	-.631	-.634	-.672	-.683	-1.073	-1.002	-.933	-.862	-.778
.350	-.690	-.691	-.731	-.761	-.653	-.449	-.959	-.998	-.943	-.833
.450		-.442	-.391	-.326	-.304	-.155	-.292	-.326	-.393	-.588
.550	-.318	-.338	-.343	-.368	-.381	-.301	-.229	-.243	-.251	-.302
.650	-.015	.004	-.010	-.001	.069	.084	.045	.009	.003	-.022
.750		.234	.250	.287	.324	.195	.246	.238	.220	.207
.850	.343	.373	.437	.477	.465	.523	.377	.370	.360	.340
.925	.400	.428	.527	.545		.793	.441	.428	.409	.393
.990	.284	.298	.344	.355	.406	.408	.383	.311	.291	.277

MACH ALPHA CT J CONF NPR RUN POINT
 .799 .010 .415 3.281 2. 1.94 23. 15.

WING CP DATA
 UPPER SURFACE

	Y/R									
X/C	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.168	1.163	1.165	1.383	1.138	1.122	1.329	1.153	1.153	1.161
.005	.567	.564	.471	.335	.078	.935	1.182	.734	.660	.638
.015	-.030	-.064	-.130	-.336	-.612	.295	.536	.135	.029	
.030	-.477	-.503	-.579	-.827	-.942	-.119	.020	-.264	-.392	-.444
.050	-.634	-.630	-.759	-1.038	-1.046	-.226	-.279	-.433	-.504	
.100	-.697	-.753	-.886	-1.154	-.956	-.397	-.438	-.440	-.475	-.523
.175	-.723	-.807	-.915	-1.105	-.861	-.546	-.560	-.557	-.583	-.600
.250	-.809	-.877	-.943	-.917	-.796	-.681	-.701	-.737	-.688	-.732
.350	-.817	-.954	-.951	-.697	-.695	-.778	-.767	-.758	-.740	-.774
.450	-.790	-.807	-.698	-.705	-.732	-.853	-.842	-.835	-.802	-.615
.500	-.799	-.700	-.713	-.762	-.761	-.857	-.855	-.861	-.826	-.623
.525	-.778	-.640	-.691	-.773	-.812	-.849	-.870	-.883	-.830	-.650
.550	-.556	-.556	-.626	-.788	-.790	-.829	-.881	-.878		-.653
.650	-.441	-.533	-.600	-.719	-.855	-.819	-.803	-.574	-.501	-.484
.750	-.365	-.362	-.359	-.329	-.304	-.286	-.279	-.327	-.330	-.362
.850	-.201	-.208	-.208	-.194	-.158	-.206	-.221	-.207	-.191	-.188
.950	.014	.022	.003		.001	-.091	-.005	.038	.052	.030

LOWER SURFACE

0.000	1.168	1.163	1.165	1.383	1.138	1.122	1.329	1.153	1.153	1.161
.005	.700	.776	.870	1.240	1.001	.293	.206	.530	.600	.606
.015	.037	.147	.259	.586	.382	-.560	-.468	-.104	.006	.082
.030	-.172	-.078	.017	.252	.137	-.862	-.854	-.472	-.302	-.233
.050	-.368	-.270	-.188	-.034	-.077	-1.026	-.944	-.608	-.412	-.366
.100	-.446	-.356	-.340	-.285	-.293		-1.049	-.766	-.582	-.464
.175	-.536	-.495	-.516	-.491	-.550	-1.297	-1.069	-.882	-.769	-.670
.250	-.611	-.620	-.622	-.654	-.670	-1.186	-1.068	-.968	-.873	-.766
.350	-.652	-.694	-.721	-.755	-.735	-.544	-1.120	-1.028	-.962	-.832
.450		-.486	-.558	-.395	-.301	-.198	-.299	-.380	-.462	-.667
.550	-.325	-.319	-.340	-.355	-.382	-.276	-.203	-.204	-.221	-.284
.650	-.011	.011	-.005	-.005	.041	-.240	.042	.019	.011	-.019
.750		.238	.270	.294	.355	.328	.261	.246	.226	.204
.850	.350	.382	.463	.506	.517	1.105	.392	.383	.364	.341
.925	.405	.440	.556	.578		1.324	.451	.433	.410	.396
.990	.290	.311	.365	.384	.480	.852	.392	.319	.293	.281

MACH ALPHA CT J CONF NPR RUN POINT
 .800 1.008 .414 3.281 2. 1.94 23. 16.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.172	1.160	1.158	1.347	1.038	1.169	1.354	1.162	1.157	1.164
.005	.461	.457	.346	.215	-.069	.842	1.112	.649	.565	.544
.015	-.151	-.172	-.257	-.434	-.714	.191	.449	.034	-.082	
.030	-.619	-.632	-.694	-.911	-1.027	-.220	-.077	-.377	-.545	-.588
.050	-.720	-.764	-.897	-1.112	-1.106	-.313	-.376	-.552	-.664	
.100	-.836	-.880	-.994	-1.239	-.997	-.457	-.544	-.569	-.644	-.729
.175	-.841	-.929	-1.035	-1.202	-.913	-.612	-.642	-.639	-.658	-.716
.250	-.913	-.988	-1.054	-1.050	-.889	-.751	-.743	-.793	-.750	-.786
.350	-.937	-1.048	-1.084	-.819	-.809	-.836	-.829	-.823	-.801	-.839
.450	-.958	-1.058	-.817	-.830	-.842	-.920	-.911	-.903	-.870	-.843
.500	-.931	-.896	-.845	-.878	-.867	-.971	-.946	-.934	-.914	-.720
.525	-.904	-.870	-.859	-.888	-.936	-.997	-.964	-.956	-.927	-.678
.550	-.827	-.884	-.861	-.927	-.916	-.980	-.973	-.969		-.684
.650	-.367	-.393	-.465	-.763	-.689	-.988	-1.046	-.926	-.668	-.8
.750	-.320	-.305	-.293	-.279	-.297	-.300	-.297	-.282	-.285	-.9
.850	-.188	-.191	-.175	-.156	-.145	-.158	-.150	-.153	-.157	-.182
.950	.011	.023	.006		-.013	-.071	.017	.042	.057	.024

LOWER SURFACE

0.000	1.172	1.160	1.158	1.347	1.038	1.169	1.354	1.162	1.157	1.164
.005	.796	.863	.944	1.282	1.016	.400	.311	.636	.690	.701
.015	.188	.284	.383	.684	.463	-.436	-.365	.031	.124	.207
.030	-.031	.051	.132	.364	.227	-.756	-.753	-.327	-.178	-.113
.050	-.210	-.139	-.072	.080	.018	-.922	-.833	-.472	-.292	-.245
.100	-.324	-.251	-.233	-.176	-.206		-.940	-.628	-.466	-.363
.175	-.433	-.385	-.399	-.377	-.444	-1.206	-.950	-.775	-.686	-.584
.250	-.533	-.535	-.542	-.552	-.561	-1.051	-.934	-.863	-.797	-.649
.350	-.517	-.568	-.613	-.661	-.576	-.403	-.809	-.907	-.857	-.675
.450		-.475	-.450	-.351	-.288	-.143	-.298	-.336	-.391	-.535
.550	-.322	-.336	-.356	-.380	-.383	-.331	-.252	-.263	-.278	-.308
.650	-.013	.017	-.001	-.004	.045	-.221	.037	.005	-.004	-.020
.750		.252	.270	.299	.355	.323	.269	.243	.230	.213
.850	.360	.400	.468	.505	.515	1.093	.395	.386	.367	.341
.925	.406	.453	.564	.583		1.202	.456	.447	.425	.400
.990	.289	.308	.370	.378	.486	.808	.389	.321	.299	.281

MACH ALPHA CT J CONF N P RUN POINT
 .798 2.482 .288 3.427 2. 1.3 24. 14.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.152	1.132	1.141	1.187	.947	1.200	1.342	1.145	1.144	1.159
.005	.306	.299	.191	.124	-.177	.563	.833	.445	.392	.389
.015	-.302	-.354	-.420	-.499	-.783	-.155	.092	-.209	-.300	
.030	-.744	-.777	-.839	-.938	-1.053	-.552	-.413	-.638	-.752	-.743
.050	-.927	-.933	-1.031	-1.129	-1.118	-.581	-.650	-.773	-.879	
.100	-.988	-1.029	-1.120	-1.237	-.965	-.637	-.815	-.829	-.903	-.920
.175	-1.018	-1.067	-1.141	-1.221	-.899	-.738	-.837	-.867	-.884	-.959
.250	-1.058	-1.106	-1.145	-1.057	-.916	-.864	-.884	-.936	-.951	-1.002
.350	-1.076	-1.143	-.146	-.919	-.915	-.916	-.912	-.935	-.925	-1.020
.450	-1.108	-1.155	-.58	-.963	-.971	-.988	-.990	-1.000	-.985	-1.027
.500	-1.149	-.997	-.981	-1.004	-.994	-1.034	-1.020	-1.026	-1.018	-1.056
.525	-1.165	-1.000	-.995	-1.017	-1.069	-1.059	-1.042	-1.044	-1.037	-1.003
.550	-.852	-1.019	-.996	-1.042	-1.012	-1.058	-1.044	-1.053		-.723
.650	-.372	-.407	-.418	-.450	-.483	-.626	-.759	-.609	-.523	-.391
.750	-.254	-.242	-.261	-.275	-.337	-.306	-.306	-.300	-.263	-.316
.850	-.161	-.155	-.150	-.163	-.191	-.169	-.152	-.130	-.138	-.177
.950	.022	.026	.001		-.067	-.031	.009	.042	.052	.032

LOWER SURFACE

0.000	1.152	1.132	1.141	1.187	.947	1.200	1.342	1.145	1.144	1.159
.005	.893	.956	1.029	1.146	.989	.668	.588	.805	.840	.834
.015	.362	.434	.488	.617	.488	-.072	-.058	.267	.345	.380
.030	.126	.218	.250	.344	.254	-.425	-.365	-.057	.047	.075
.050	-.047	.005	.049	.103	.057	-.566	-.482	-.205	-.078	-.049
.100	-.180	-.144	-.118	-.122	-.118		-.580	-.363	-.265	-.205
.175	-.311	-.289	-.283	-.274	-.327	.750	-.590	-.561	-.502	-.408
.250	-.411	-.406	-.418	-.419	-.391	-.641	-.778	-.550	-.472	-.433
.350	-.427	-.407	-.401	-.382	-.332	-.256	-.381	-.420	-.464	-.479
.450		-.454	-.467	-.388	-.266	-.042	-.352	-.431	-.497	-.542
.550	-.317	-.344	-.326	-.330	-.300	-.292	-.243	-.288	-.304	-.314
.650	-.015	-.001	-.021	-.016	.031	-.089	.051	.002	.000	-.027
.750		.238	.243	.243	.253	.135	.260	.239	.230	.222
.850	.369	.383	.422	.421	.363	.336	.350	.380	.366	.359
.925	.426	.439	.491	.481		.484	.420	.428	.418	.406
.990	.296	.298	.314	.279	.238	.192	.350	.295	.291	.289

MACH ALPHA CT J CONF NPR RUN POINT
 .798 2.515 .370 3.432 2. 1.67 23. 14.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.123	1.134	1.213	.912	1.203	1.375	1.147	1.142	1.153
.005	.315	.282	.171	.079	-.244	.660	.950	.490	.399	.396
.015	-.306	-.369	-.442	-.556	-.847	-.048	.213	-.157	-.293	
.030	-.742	-.780	-.856	-.990	-1.130	-.443	-.305	-.580	-.742	-.739
.050	-.921	-.946	-1.058	-1.183	-1.186	-.511	-.570	-.733	-.863	
.100	-.985	-1.037	-1.145	-1.304	-1.103	-.585	-.756	-.786	-.868	-.914
.175	-1.016	-1.085	-1.168	-1.285	-.945	-.713	-.809	-.836	-.851	-.949
.250	-1.058	-1.114	-1.177	-1.133	-.948	-.858	-.865	-.920	-.906	-.992
.350	-1.079	-1.167	-1.194	-.929	-.935	-.931	-.916	-.925	-.911	-.998
.450	-1.123	-1.185	-.962	-.965	-.972	-1.000	-.996	-1.004	-.980	-1.024
.500	-1.157	-1.098	-.976	-1.004	-1.003	-1.054	-1.030	-1.033	-1.015	-1.042
.525	-1.180	-1.018	-.993	-1.019	-1.070	-1.075	-1.059	-1.054	-1.035	-1.014
.550	-.998	-1.020	-.994	-1.042	-1.015	-1.085	-1.063	-1.058		-.796
.650	-.408	-.434	-.442	-.464	-.502	-.741	-.984	-.774	-.588	-.414
.750	-.244	-.257	-.258	-.286	-.360	-.342	-.350	-.321	-.297	-.318
.850	-.156	-.146	-.160	-.177	-.215	-.182	-.158	-.140	-.128	-.177
.950	.024	.021	-.005		-.082	-.042	.016	.043	.052	.033

LOWER SURFACE

0.000	1.147	1.123	1.134	1.213	.912	1.203	1.375	1.147	1.142	1.153
.005	.898	.978	1.049	1.227	1.030	.604	.511	.777	.835	.837
.015	.362	.464	.540	.712	.573	-.176	-.151	.225	.331	.387
.030	.137	.236	.279	.415	.334	-.524	-.481	-.113	.021	.093
.050	-.050	.032	.088	.165	.124	-.669	-.568	-.239	-.109	-.055
.100	-.183	-.115	-.092	-.071	-.078		-.669	-.408	-.290	-.197
.175	-.311	-.267	-.262	-.256	-.300	-.938	-.689	-.603	-.527	-.411
.250	-.406	-.382	-.408	-.431	-.380	-.709	-.768	-.587	-.536	-.446
.350	-.418	-.405	-.401	-.410	-.360	-.294	-.364	-.442	-.495	-.497
.450		-.448	-.472	-.402	-.291	-.088	-.379	-.451	-.495	-.545
.550	-.309	-.342	-.334	-.352	-.361	-.325	-.270	-.294	-.306	-.320
.650	-.016	.022	-.005	-.000	.076	-.018	.048	-.009	-.002	-.019
.750		.249	.268	.278	.318	.119	.253	.242	.230	.216
.850	.375	.399	.453	.456	.464	.537	.31	.381	.368	.354
.925	.427	.454	.540	.527		.772	.437	.441	.421	.406
.950	.301	.303	.337	.300	.363	.381	.375	.313	.296	.290

MACH ALPHA CT J CONF NPR RUN POINT
 .799 2.508 .411 3.282 2. 1.94 23. 17.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.147	1.121	1.133	1.248	.888	1.208	1.393	1.153	1.143	1.155
.005	.307	.277	.155	.049	-.276	.719	1.026	.510	.396	.398
.015	-.304	-.379	-.457	-.590	-.883	.024	.307	-.126	-.281	
.030	-.739	-.784	-.860	-1.041	-1.179	-.284	-.235	-.537	-.729	-.739
.050	-.924	-.950	-1.061	-1.229	-1.225	-.454	-.513	-.694	-.850	
.100	-.987	-1.032	-1.163	-1.348	-1.070	-.550	-.705	-.755	-.843	-.906
.175	-1.008	-1.084	-1.188	-1.332	-.972	-.700	-.783	-.806	-.825	-.935
.250	-1.062	-1.129	-1.191	-1.196	-.978	-.850	-.856	-.906	-.889	-.989
.350	-1.077	-1.182	-1.218	-.940	-.949	-.930	-.914	-.926	-.903	-.988
.450	-1.115	-1.192	-.976	-.966	-.971	-1.006	-1.001	-1.004	-.972	-1.009
.500	-1.154	-1.183	-.971	-.998	-1.004	-1.064	-1.039	-1.037	-1.017	-1.020
.525	-1.182	-1.107	-.986	-1.008	-1.074	-1.093	-1.065	-1.057	-1.034	-.991
.550	-1.086	-1.010	-.977	-1.036	-1.000	-1.100	-1.078	-1.058		-.794
.650	-.423	-.472	-.448	-.471	-.506	-.858	-1.098	-.930	-.673	-.456
.750	-.250	-.263	-.255	-.301	-.395	-.390	-.398	-.344	-.312	-.324
.850	-.150	-.138	-.163	-.200	-.262	-.200	-.174	-.143	-.126	-.172
.950	.026	.024	-.004		-.121	-.085	.023	.049	.058	.034

LOWER SURFACE

0.000	1.147	1.121	1.133	1.248	.888	1.208	1.393	1.153	1.143	1.155
.005	.903	.976	1.068	1.313	1.056	.563	.460	.765	.833	.833
.015	.368	.469	.566	.809	.612	-.248	-.213	.204	.324	.376
.030	.147	.254	.318	.492	.376	-.581	-.575	-.130	.021	.063
.050	-.045	.054	.113	.223	.165	-.738	-.635	-.290	-.112	-.053
.100	-.176	-.097	-.074	-.033	-.047		-.756	-.455	-.312	-.205
.175	-.295	-.254	-.249	-.234	-.281	-1.044	-.764	-.633	-.553	-.421
.250	-.403	-.374	-.424	-.431	-.384	-.720	-.779	-.673	-.571	-.459
.350	-.407	-.413	-.441	-.468	-.379	-.326	-.314	-.523	-.529	-.523
.450		-.453	-.494	-.408	-.279	-.119	-.401	-.456	-.501	-.541
.550	-.311	-.338	-.347	-.372	-.384	-.379	-.282	-.293	-.304	-.314
.650	-.012	.013	-.007	-.009	.038	-.190	.035	-.003	-.001	-.018
.750		.250	.269	.291	.343	.250	.259	.246	.232	.217
.850	.375	.412	.481	.497	.496	1.023	.388	.389	.372	.357
.925	.430	.460	.568	.575		1.062	.466	.452	.423	.409
.990	.301	.300	.352	.334	.443	.708	.395	.311	.298	.285

MACH ALPHA CT J CONF NPR RUN POINT
 .799 3.003 .410 3.280 2. 1.94 23. 18.

WING CP DATA
 UPPER SURFACE

X/C	Y/R									
	-2.00	-1.25	-1.00	-.70	-.37	.37	.70	1.00	1.25	2.00
0.000	1.132	1.106	1.119	1.210	.831	1.216	1.413	1.142	1.136	1.153
.005	.250	.223	.094	-.022	-.338	.680	.995	.463	.357	.352
.015	-.362	-.430	-.517	-.655	-.945	-.039	.256	-.181	-.334	
.030	-.780	-.830	-.920	-1.084	-1.236	-.441	-.278	-.598	-.775	-.778
.050	-.971	-1.001	-1.111	-1.268	-1.264	-.493	-.551	-.741	-.917	
.100	-1.039	-1.076	-1.214	-1.378	-1.095	-.584	-.754	-.808	-.894	-.965
.175	-1.064	-1.130	-1.231	-1.364	-.994	-.727	-.826	-.861	-.878	-.994
.250	-1.102	-1.172	-1.234	-1.232	-1.002	-.876	-.890	-.953	-.941	-1.039
.350	-1.118	-1.215	-1.259	-.979	-.987	-.963	-.952	-.963	-.935	-1.039
.450	-1.155	-1.230	-1.031	-.999	-1.009	-1.037	-1.025	-1.042	-1.003	-1.049
.500	-1.193	-1.220	-1.014	-1.036	-1.032	-1.088	-1.072	-1.068	-1.047	-1.075
.525	-1.214	-1.075	-1.016	-1.042	-1.073	-1.125	-1.093	-1.088	-1.062	-1.071
.550	-.911	-.797	-1.005	-1.067	-.857	-1.131	-1.107	-1.086		-.877
.650	-.462	-.519	-.424	-.451	-.517	-.689	-.894	-.755	-.594	-.404
.750	-.253	-.294	-.279	-.316	-.424	-.418	-.408	-.355	-.326	-.307
.850	-.143	-.145	-.164	-.216	-.308	-.246	-.188	-.148	-.133	-.166
.950	.024	.003	-.010		-.190	-.122	.017	.048	.049	.035

LOWER SURFACE

0.000	1.132	1.106	1.119	1.210	.831	1.216	1.413	1.142	1.136	1.153
.005	.939	1.003	1.114	1.319	1.060	.622	.514	.809	.864	.873
.015	.432	.525	.632	.841	.663	-.175	-.171	.266	.383	.432
.030	.208	.304	.371	.535	.420	-.528	-.508	-.067	.085	.117
.050	.014	.102	.157	.277	.215	-.674	-.586	-.221	-.060	-.022
.100	-.122	-.052	-.040	.018	-.008		-.705	-.393	-.246	-.178
.175	-.247	-.213	-.217	-.186	-.236	-.971	-.727	-.586	-.486	-.388
.250	-.352	-.324	-.368	-.368	-.331	-.646	-.763	-.567	-.480	-.434
.350	-.385	-.378	-.422	-.378	-.357	-.343	-.345	-.438	-.462	-.491
.450		-.429	-.500	-.386	-.265	-.117	-.412	-.448	-.496	-.523
.550	-.307	-.340	-.360	-.372	-.378	-.367	-.293	-.288	-.301	-.307
.650	-.011	.009	-.017	-.006	.044	-.180	.037	-.003	-.001	-.012
.750		.253	.259	.293	.340	.235	.253	.236	.235	.222
.850	.384	.409	.462	.494	.491	.999	.390	.382	.378	.365
.925	.430	.459	.545	.573		1.048	.473	.443	.426	.417
.990	.301	.278	.310	.325	.431	.696	.388	.292	.302	.290

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.498	.013	0.000	0.000	3.	1.40	8.	56.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.305	-.271	-.181	-.251	-.242	-.254	-.279	-.331
-.679	-.381	-.386	-.340		-.403	-.326	-.372	-.414
-.621	-.429	-.420	-.371	-.384	-.374	-.368	-.409	-.437
-.563	-.269	-.253	-.220	-.175	-.204	-.245	-.294	-.275
-.504		-.126		-.188	-.103	-.085	-.145	-.161
-.446	-.148	-.088	-.069	-.033	-.066	-.043	-.101	-.126
-.363	-.126	-.083	.047	.071	.039	.060	-.082	-.054
-.279	-.139	-.068	-.064	-.011	-.012	.004	-.101	-.130
-.196	-.147	-.073	-.102	-.004	-.005	-.064	-.106	-.142
-.113	-.154	-.092	.004	.096	.045	.030	-.124	-.159
-.029	-.143	-.173	.078	.050	-.006	.064	-.219	-.186
.033	-.217	-.263	-.677	-.049	-.067	-.726	-.306	-.207
.096	-.239		-.606	-.135	-.138	-.592	-.378	-.239
.158	-.254		-.586	-.187	-.178		-.371	-.259
.221	-.272	-.373	-.540	-.197	-.185	-.556	-.358	-.272
.283	-.281	-.350	-.464	-.200	-.206	-.494	-.355	-.272
.346	-.296	-.339	-.460	-.276	-.264	-.438		-.289
.387	-.322	-.342	-.398	-.272		-.404	-.380	-.307

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.498	1.013	0.000	0.000	3.	1.39	8.	57.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.351	-.304	-.169	-.208	-.211	-.259	-.295	-.378
-.679	-.415	-.384	-.347		-.381	-.305	-.399	-.424
-.621	-.447	-.423	-.380	-.360	-.345	-.351	-.432	-.450
-.563	-.272	-.255	-.213	-.166	-.198	-.234	-.298	-.291
-.504		-.141		-.182	-.078	-.105	-.166	-.174
-.446	-.150	-.103	-.077	-.022	-.047	-.051	-.122	-.142
-.363	-.136	-.093	.034	.042	.050	.052	-.106	-.115
-.279	-.158	-.112	-.063	-.010	-.012	-.025	-.126	-.145
-.196	-.168	-.123	-.108	.003	-.012	-.081	-.138	-.152
-.113	-.187	-.158	.001	.093	-.004	.011	-.174	-.185
-.029	-.220	-.255	-.029	.050	-.002	-.033	-.279	-.214
.033	-.249	-.359	-.916	-.041	-.059	-.976	-.384	-.234
.096	-.261		-.747	-.129	-.093	-.733	-.462	-.267
.158	-.287		-.688	-.135	-.126		-.441	-.291
.221	-.301	-.431	-.616	-.143	-.131	-.633	-.415	-.296
.283	-.303	-.401	-.508	-.149	-.157	-.550	-.396	-.298
.346	-.316	-.370	-.480	-.230	-.227	-.472		-.312
.387	-.347	-.375	-.430	-.246		-.440	-.415	-.357

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.499	2.516	0.000	0.000	3.	1.39	8.	58.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.385	-.339	-.163	-.151	-.143	-.251	-.335	-.416
-.679	-.449	-.413	-.332		-.361	-.308	-.412	-.468
-.621	-.481	-.451	-.385	-.331	-.328	-.359	-.458	-.470
-.563	-.299	-.272	-.221	-.146	-.173	-.239	-.324	-.309
-.504		-.162		-.182	-.074	-.096	-.175	-.194
-.446	-.176	-.131	-.078	-.017	-.030	-.068	-.135	-.157
-.363	-.153	-.129	.015	.070	.071	.030	-.140	-.129
-.279	-.184	-.154	-.104	.032	.063	-.047	-.175	-.174
-.196	-.205	-.175	-.195	.006	-.010	-.144	-.200	-.195
-.113	-.226	-.248	-.018	.094	.061	-.083	-.260	-.229
-.029	-.263	-.368	-.229	.058	.124	-.253	-.399	-.265
.033	-.306	-.475	-1.325	-.044	-.027	-1.382	-.517	-.304
.096	-.327		-.963	-.086	-.010	-.907	-.579	-.324
.158	-.343		-.838	-.065	-.052		-.540	-.348
.221	-.353	-.510	-.721	-.086	-.079	-.718	-.495	-.348
.283	-.364	-.477	-.599	-.095	-.099	-.626	-.466	-.347
.346	-.356	-.435	-.545	-.176	-.176	-.539		-.349
.387	-.380	-.427	-.479	-.204		-.489	-.455	-.391

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.499	3.018	0.000	0.000	3.	.99	8.	52.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.402	-.344	-.164	-.139	-.133	-.238	-.338	-.434
-.679	-.454	-.420	-.332		-.356	-.305	-.419	-.475
-.621	-.480	-.452	-.370	-.334	-.317	-.353	-.450	-.484
-.563	-.296	-.281	-.219	-.141	-.172	-.244	-.319	-.310
-.504		-.171		-.202	-.072	-.108	-.184	-.197
-.446	-.180	-.127	-.089	-.010	-.039	-.060	-.144	-.168
-.363	-.169	-.136	.016	.078	.073	.023	-.138	-.135
-.279	-.188	-.167	-.120	.039	.069	-.060	-.181	-.187
-.196	-.210	-.189	-.220	.093	.107	-.176	-.204	-.199
-.113	-.238	-.257	-.104	.148	.124	-.101	-.261	-.226
-.029	-.268	-.380	-.280	.155	.123	-.286	-.413	-.263
.033	-.318	-.487	-1.369	.087	.101	-1.446	-.506	-.300
.096	-.325		-.973	.005	.007	-.932	-.575	-.314
.158	-.332		-.824	-.042	-.047		-.524	-.337
.21	-.342	-.499	-.687	-.070	-.083	-.680	-.467	-.330
.283	-.344	-.449	-.555	-.082	-.094	-.578	-.421	.321
.346	-.322	-.389	-.456	-.180	-.174	-.442		-.313
.387	-.316	-.349	-.345	-.197		-.331	-.338	-.304

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.501	3.016	0.000	0.000	3.	1.39	8.	59.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.405	-.358	-.161	-.145	-.135	-.239	-.339	-.437
-.679	-.454	-.419	-.337		-.342	-.301	-.430	-.478
-.621	-.481	-.461	-.377	-.332	-.325	-.361	-.460	-.490
-.563	-.311	-.280	-.218	-.138	-.172	-.239	-.323	-.313
-.504		-.175		-.160	-.068	-.100	-.189	-.196
-.446	-.182	-.136	-.081	-.007	-.038	-.069	-.144	-.171
-.363	-.175	-.141	.003	.083	.078	.020	-.155	-.134
-.279	-.192	-.171	-.090	.069	.074	-.059	-.189	-.177
-.196	-.211	-.197	-.220	.020	-.005	-.133	-.231	-.212
-.113	-.247	-.275	-.014	.110	.072	-.112	-.293	-.243
-.029	-.277	-.413	-.306	.075	.154	-.316	-.450	-.281
.033	-.318	-.524	-1.475	-.029	-.004	-1.555	-.559	-.323
.096	-.352		-1.031	-.040	.022	-.977	-.616	-.337
.158	-.361		-.882	-.042	-.029		-.567	-.371
.221	-.371	-.533	-.742	-.053	-.054	-.741	-.512	-.361
.283	-.379	-.497	-.613	-.076	-.075	-.645	-.480	-.365
.346	-.365	-.450	-.566	-.153	-.162	-.552		-.364
.387	-.394	-.436	-.505	-.187		-.498	-.477	-.407

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.703	-.003	0.000	0.000	3.	1.51	2.	46.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.428	-.419	-.400	-.350	-.447	-.371	-.430	-.455
-.621	-.487	-.473	-.433	-.431	-.429	-.428	-.482	-.499
-.563	-.267	-.252	-.227	-.181	-.228	-.249	-.301	-.283
-.504		-.016	-.105	-.075	-.089	-.016	-.137	-.145
-.446	-.118	-.067	-.048	-.019	-.045	-.035	-.086	-.105
-.363	-.101	-.047	.075	.047	.062	.084	-.061	-.070
-.279	-.116	-.049	-.015	.041	-.004	.030	-.074	-.105
-.196	-.175	-.041	-.031	.061	.073	-.007	-.065	-.117
-.113	-.146	-.065	.129	.093	.059	.096	-.082	-.143
-.029	-.194	-.306	.227	.078	.021	.216	-.214	-.195
.033	-.254	-.335	-.802	-.047	-.041	-.818	-.379	-.243
.096	-.290	-.448	-.684	-.205	-.195	-.669	-.505	-.290
.158	-.321	-.473	-.647	-.248	-.251	-.630	-.485	-.328
.221	-.341	-.461	-.614	-.350	-.256	-.659	-.452	-.336
.283	-.349	-.434	-.524	-.268	-.272	-.589	-.434	-.338
.346	-.339	-.403	-.539	-.374	-.380	-.545	-.418	-.332
.387	-.324	-.398	-.481			-.490	-.434	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.704	-.013	0.000	0.000	3.	1.81	2.	48.

NACELLE CP DATA

THETA(DEG.)

	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
X/C								
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.430	-.419	-.402	-.351	-.446	-.373	-.430	-.459
-.621	-.489	-.475	-.437	-.434	-.428	-.431	-.484	-.500
-.563	-.268	-.252	-.227	-.181	-.227	-.249	-.299	-.282
-.504		-.016	-.106	-.076	-.089	-.016	-.137	-.144
-.446	-.120	-.069	-.047	-.021	-.045	-.036	-.086	-.106
-.363	-.101	-.048	.074	.046	.059	.084	-.062	-.070
-.279	-.116	-.049	-.014	.041	-.005	.023	-.073	-.104
-.196	-.125	-.041	-.082	.076	.072	-.017	-.055	-.116
-.113	-.150	-.093	.123	.096	.066	.091	-.081	-.144
-.029	-.199	-.231	.231	.092	.065	.216	-.214	-.195
.033	-.258	-.338	-.809	-.007	-.041	-.819	-.374	-.242
.096	-.293	-.879	-.701	-.195	-.189	-.680	-.517	-.293
.158	-.328	-.491	-.657	-.251	-.246	-.637	-.494	-.332
.221	-.351	-.478	-.631	-.345	-.254	-.672	-.467	-.345
.283	-.360	-.457	-.545	-.269	-.272	-.606	-.453	-.354
.346	-.365	-.442	-.573	-.371	-.379	-.575	-.457	-.361
.387	-.368	-.501	-.530			-.535	-.540	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.703	.995	0.000	0.000	-3.	1.81	2.	49.

NACELLE CP DATA

THETA(DEG.)

	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
X/C								
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.457	-.432	-.393	-.324	-.426	-.363	-.443	-.483
-.621	-.506	-.484	-.430	-.416	-.412	-.424	-.490	-.516
-.563	-.279	-.256	-.226	-.168	-.218	-.246	-.305	-.291
-.504		-.016	-.106	-.065	-.080	-.016	-.145	-.153
-.446	-.126	-.075	-.048	-.009	-.037	-.037	-.095	-.115
-.363	-.113	-.062	.081	.052	.052	.084	-.074	-.084
-.279	-.133	-.067	-.039	.059	-.009	.017	-.094	-.123
-.196	-.149	-.064	-.081	.072	.098	-.020	-.086	-.141
-.113	-.181	-.094	.121	.117	.058	.080	-.086	-.181
-.029	-.252	-.233	.229	.089	.062	.156	-.310	-.250
.033	-.325	-.489	-1.035	-.008	.015	-1.052	-.533	-.314
.096	-.359	-.860	-1.291	-.129	-.123	-1.386	-.716	-.366
.158	-.389	-.552	-.713	-.186	-.181	-.703	-.572	-.397
.221	-.402	-.519	-.662	-.344	-.195	-.690	-.512	-.397
.283	-.409	-.499	-.584	-.215	-.220	-.634	-.492	-.397
.346	-.404	-.479	-.595	-.323	-.333	-.599	-.493	-.393
.387	-.402	-.531	-.560			-.559	-.574	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	2.495	0.000	0.000	3.	1.53	2.	47.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.489	-.450	-.379	-.282	-.392	-.348	-.458	-.513
-.621	-.524	-.494	-.420	-.384	-.380	-.413	-.501	-.534
-.563	-.290	-.268	-.227	-.150	-.197	-.245	-.317	-.302
-.504		-.016	-.108	-.047	-.064	-.016	-.155	-.166
-.446	-.139	-.094	-.050	.008	-.022	-.040	-.109	-.127
-.363	-.131	-.086	.064	.085	.099	.072	-.097	-.099
-.279	-.155	-.100	-.049	.086	-.008	.019	-.124	-.144
-.196	-.180	-.108	-.100	.067	.133	-.067	-.137	-.172
-.113	-.232	-.181	.119	.163	.060	.077	-.199	-.228
-.029	-.329	-.310	.079	.082	.036	.059	-.431	-.328
.033	-.437	-.654	-1.283	-.020	.096	-1.246	-.711	-.418
.096	-.507	-.924	-1.632	-.045	-.034	-1.602	-1.092	-.507
.158	-.523	-.945	-1.265	-.103	-.100	-1.608	-1.041	-.537
.221	-.486	-.598	-.905	-.355	-.124	-.770	-.595	-.487
.283	-.449	-.521	-.594	-.149	-.152	-.577	-.488	-.440
.346	-.408	-.464	-.525	-.263	-.269	-.526	-.469	-.404
.387	-.377	-.454	-.496			-.501	-.485	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	2.482	0.000	0.000	3.	1.81	2.	51.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.488	-.450	-.378	-.282	-.391	-.349	-.459	-.513
-.621	-.523	-.496	-.420	-.384	-.381	-.416	-.502	-.535
-.563	-.290	-.267	-.226	-.149	-.197	-.245	-.316	-.303
-.504		-.016	-.108	-.047	-.064	-.016	-.155	-.164
-.446	-.140	-.092	-.051	.007	-.021	-.039	-.109	-.127
-.363	-.131	-.084	.073	.074	.077	.074	-.096	-.101
-.279	-.156	-.098	-.049	.080	-.014	.018	-.119	-.146
-.196	-.181	-.104	-.090	.087	.129	-.054	-.134	-.174
-.113	-.235	-.175	.107	.163	.052	.070	-.142	-.231
-.029	-.333	-.339	.154	.110	.076	.067	-.427	-.333
.033	-.443	-.648	-1.281	.034	.098	-1.208	-.709	-.426
.096	-.520	-.861	-1.626	-.038	-.032	-1.598	-1.088	-.517
.158	-.550	-.978	-1.334	-.101	-.094	-1.605	-1.060	-.547
.221	-.508	-.613	-.938	-.346	-.123	-.824	-.646	-.503
.283	-.472	-.540	-.614	-.148	-.150	-.591	-.511	-.462
.346	-.445	-.498	-.571	-.258	-.267	-.548	-.506	-.437
.387	-.433	-.550	-.527			-.525	-.587	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	3.002	0.000	0.000	3.	1.81	2.	52.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.016	-.016	-.016	-.016	-.016	-.016	-.016	-.016
-.679	-.499	-.458	-.374	-.267	-.374	-.343	-.468	-.528
-.621	-.529	-.501	-.416	-.372	-.367	-.411	-.508	-.541
-.563	-.295	-.273	-.227	-.140	-.189	-.245	-.322	-.306
-.504		-.016	-.108	-.040	-.057	-.016	-.163	-.170
-.446	-.146	-.098	-.052	.016	-.016	-.043	-.117	-.132
-.363	-.137	-.092	.071	.093	.106	.070	-.106	-.107
-.279	-.163	-.102	-.058	.095	-.014	.014	-.133	-.152
-.196	-.192	-.125	-.091	.089	.145	-.072	-.145	-.183
-.113	-.251	-.200	.104	.167	.051	.060	-.163	-.249
-.029	-.358	-.382	.130	.116	.077	.033	-.471	-.356
.033	-.478	-.725	-1.370	.038	.122	-1.281	-.775	-.462
.096	-.568	-.863	-1.730	-.022	-.008	-1.690	-1.205	-.572
.158	-.610	-1.108	-1.465	-.072	-.068	-1.688	-1.178	-.627
.221	-.554	-.692	-1.078	-.349	-.112	-.945	-.767	-.570
.283	-.501	-.582	-.740	-.126	-.125	-.670	-.556	-.496
.346	-.464	-.517	-.555	-.237	-.243	-.549	-.512	-.456
.387	-.446	-.559	-.512			-.511	-.589	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.752	-.001	0.000	0.000	3.	1.50	2.	28.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.015	-.015	-.015	-.015	-.015	-.015	-.015	-.015
-.679	-.446	-.435	-.420	-.370	-.481	-.388	-.448	-.472
-.621	-.517	-.500	-.463	-.464	-.460	-.455	-.511	-.528
-.563	-.261	-.246	-.225	-.183	-.229	-.248	-.298	-.278
-.504		-.015	-.097	-.069	-.083	-.015	-.125	-.133
-.446	-.100	-.054	-.035	-.010	-.035	-.023	-.071	-.090
-.363	-.085	-.032	.089	.061	.074	.100	-.043	-.055
-.279	-.099	-.031	.002	.052	.058	.054	-.054	-.087
-.196	-.106	-.017	-.008	.090	.082	.016	-.037	-.096
-.113	-.131	-.037	.162	.112	.083	.146	-.049	-.128
-.029	-.194	-.152	.291	.066	.037	.287	-.183	-.194
.033	-.273	-.355	-.672	-.059	-.055	-.672	-.383	-.259
.096	-.334	-.511	-1.033	-.223	-.220	-1.045	-.629	-.338
.158	-.380	-.597	-1.074	-.288	-.288	-1.045	-.661	-.387
.221	-.396	-.516	-.636	-.302	-.296	-.602	-.487	-.387
.283	-.391	-.469	-.536	-.307	-.315	-.590	-.464	-.379
.346	-.375	-.439	-.576	-.444	-.451	-.593	-.452	-.365
.387	-.349	-.425	-.501			-.512	-.463	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.752	-.009	0.000	0.000	3.	1.81	2.	30.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.015	-.015	-.015	-.015	-.015	-.015	-.015	-.015
-.679	-.445	-.436	-.421	-.369	-.481	-.390	-.449	-.474
-.621	-.518	-.502	-.463	-.463	-.460	-.456	-.511	-.529
-.563	-.262	-.248	-.225	-.182	-.228	-.249	-.296	-.278
-.504		-.015	-.096	-.068	-.082	-.015	-.125	-.134
-.446	-.102	-.055	-.035	-.009	-.034	-.024	-.071	-.092
-.363	-.086	-.034	.090	.062	.075	.100	-.045	-.055
-.279	-.100	-.031	.002	.050	.048	.059	-.055	-.088
-.196	-.107	-.015	-.015	.085	.115	.020	-.040	-.100
-.113	-.134	-.037	.155	.114	.084	.147	-.055	-.131
-.029	-.197	-.154	.292	.067	.051	.280	-.183	-.198
.033	-.278	-.357	-.684	-.062	-.059	-.672	-.392	-.265
.096	-.338	-.520	-1.041	-.225	-.214	-1.051	-.622	-.339
.158	-.393	-.613	-1.078	-.286	-.295	-1.059	-.650	-.399
.221	-.413	-.535	-.654	-.297	-.263	-.611	-.496	-.405
.283	-.417	-.484	-.553	-.304	-.312	-.609	-.484	-.402
.346	-.413	-.483	-.626	-.439	-.445	-.649	-.492	-.404
.387	-.415	-.536	-.561			-.564	-.581	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.752	.998	0.000	0.000	3.	1.81	2.	32.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.015	-.015	-.015	-.015	-.015	-.015	-.015	-.015
-.679	-.469	-.449	-.408	-.339	-.455	-.379	-.457	-.497
-.621	-.532	-.510	-.455	-.443	-.437	-.449	-.515	-.541
-.563	-.270	-.250	-.221	-.167	-.216	-.244	-.298	-.285
-.504		-.015	-.095	-.057	-.072	-.015	-.129	-.139
-.446	-.108	-.059	-.033	.001	-.024	-.021	-.077	-.098
-.363	-.095	-.043	.096	.078	.088	.101	-.052	-.064
-.279	-.113	-.044	-.005	.075	.045	.054	-.066	-.100
-.196	-.126	-.035	-.015	.102	.107	.006	-.057	-.116
-.113	-.163	-.060	.148	.147	.119	.138	-.091	-.158
-.029	-.245	-.210	.247	.082	.057	.230	-.249	-.240
.033	-.350	-.452	-.846	-.020	.015	-.827	-.487	-.330
.096	-.446	-.697	-1.234	-.150	-.141	-1.255	-.822	-.443
.158	-.546	-.880	-1.258	-.215	-.218	-1.232	-.922	-.556
.221	-.553	-.812	-1.071	-.238	-.267	-1.203	-.841	-.565
.283	-.490	-.539	-.616	-.248	.255	-.620	-.533	-.487
.346	-.444	-.479	-.552	-.383	-.388	-.526	-.471	-.437
.387	-.430	-.527	-.521			-.514	-.561	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.750	2.498	0.000	0.000	3.	1.52	2.	29.

NACELLE CP DATA

	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
X/C								
-.734	-.015	-.015	-.015	-.015	-.015	-.015	-.015	-.015
-.679	-.499	-.459	-.386	-.290	-.412	-.356	-.471	-.525
-.621	-.541	-.512	-.437	-.404	-.402	-.430	-.518	-.550
-.563	-.274	-.254	-.218	-.145	-.193	-.237	-.304	-.286
-.504		-.015	-.093	-.038	-.053	-.015	-.135	-.143
-.446	-.112	-.069	-.032	.019	-.007	-.021	-.084	-.103
-.363	-.102	-.056	.088	.101	.113	.095	-.064	-.071
-.279	-.121	-.054	-.021	.103	.050	.040	-.088	-.109
-.196	-.142	-.065	-.066	.139	.124	-.026	-.087	-.131
-.113	-.191	-.103	.155	.192	.166	.121	-.135	-.184
-.029	-.289	-.302	.175	.183	.155	.171	-.350	-.286
.033	-.413	-.583	-1.050	.090	.091	-1.008	-.619	-.393
.096	-.530	-.884	-1.401	-.061	-.049	-1.365	-1.047	-.528
.158	-.676	-1.038	-1.446	-.127	-.123	-1.439	-1.065	-.677
.221	-.802	-1.082	-1.349	-.155	-.266	-1.477	-1.108	-.796
.283	-.839	-1.083	-.970	-.175	-.180	-1.327	-1.133	-.846
.346	-.515	-.596	-.825	-.308	-.314	-.710	-.632	-.539
.387	-.416	-.494	-.619			-.554	-.496	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.758	2.494	0.000	0.000	3.	1.82	2.	35.

NACELLE CP DATA

	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
X/C								
-.734	-.014	-.014	-.014	-.014	-.014	-.014	-.014	-.014
-.679	-.501	-.467	-.392	-.295	-.419	-.360	-.475	-.532
-.621	-.546	-.519	-.442	-.411	-.405	-.438	-.523	-.555
-.563	-.269	-.251	-.217	-.143	-.193	-.237	-.302	-.282
-.504		-.014	-.089	-.036	-.050	-.014	-.131	-.139
-.446	-.104	-.068	-.027	.023	-.004	-.021	-.079	-.097
-.363	-.095	-.055	.096	.104	.111	.095	-.058	-.065
-.279	-.113	-.061	-.014	.113	.061	.045	-.080	-.101
-.196	-.132	-.061	-.048	.136	.114	-.026	-.070	-.122
-.113	-.180	-.096	.160	.198	.161	.117	-.074	-.173
-.029	-.275	-.281	.193	.138	.108	.160	-.330	-.271
.033	-.397	-.555	-1.006	.102	.102	-.984	-.596	-.378
.096	-.514	-.872	-1.360	-.060	-.049	-1.339	-1.023	-.513
.158	-.662	-1.001	-1.416	-.127	-.126	-1.412	-1.044	-.664
.221	-.792	-1.053	-1.378	-.165	-.233	-1.454	-1.090	-.785
.283	-.897	-1.099	-1.227	-.181	-.184	-1.345	-1.106	-.892
.346	-.961	-.984	-.899	-.320	-.316	-.970	-1.116	-.957
.387	-.762	-.750	-.821			-.729	-.818	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.752	2.993	0.000	0.000	3.	1.80	2.	36.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.015	-.015	-.015	-.015	-.015	-.015	-.015	-.015
-.679	-.507	-.466	-.384	-.276	-.398	-.347	-.478	-.541
-.621	-.543	-.514	-.432	-.393	-.386	-.425	-.520	-.554
-.563	-.273	-.254	-.215	-.137	-.184	-.234	-.303	-.284
-.504		-.015	-.089	-.030	-.045	-.015	-.137	-.143
-.446	-.111	-.070	-.030	.029	-.001	-.020	-.037	-.102
-.363	-.100	-.057	.090	.112	.121	.096	-.069	-.071
-.279	-.120	-.065	-.021	.117	.047	.034	-.092	-.109
-.196	-.141	-.073	-.064	.130	.102	-.034	-.087	-.134
-.113	-.193	-.098	.142	.211	.167	.120	-.093	-.190
-.029	-.296	-.318	.164	.133	.108	.161	-.376	-.296
.033	-.425	-.606	-1.096	.117	.118	-1.052	-.648	-.406
.096	-.548	-.935	-1.451	-.026	-.015	-1.424	-1.090	-.548
.158	-.700	-1.061	-1.497	-.090	-.089	-1.482	-1.093	-.702
.221	-.831	-1.134	-1.452	-.177	-.233	-1.534	-1.159	-.826
.283	-.945	-1.176	-1.141	-.146	-.150	-1.420	-1.182	-.945
.346	-.991	-1.061	-.945	-.277	-.285	-1.001	-1.182	-1.004
.387	-.677	-.793	-.865			-.772	-.834	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.801	.001	0.000	0.000	3.	1.80	2.	12.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.013	-.013	-.013	-.013	-.013	-.013	-.013	-.013
-.679	-.451	-.453	-.440	-.388	-.525	-.407	-.467	-.487
-.621	-.583	-.557	-.512	-.513	-.509	-.504	-.567	-.593
-.563	-.243	-.231	-.210	-.172	-.219	-.238	-.278	-.259
-.504		-.013	-.078	-.051	-.065	-.013	-.102	-.110
-.446	-.071	-.030	-.013	.011	-.013	-.001	-.045	-.065
-.363	-.057	-.003	.116	.086	.098	.126	-.012	-.026
-.279	-.066	.003	.033	.083	.070	.090	-.017	-.054
-.196	-.069	.024	.038	.112	.126	.060	.008	-.059
-.113	-.091	.019	.211	.140	.101	.204	.006	-.086
-.029	-.155	-.092	.360	.083	.055	.356	-.122	-.153
.033	-.247	-.294	-.518	-.061	-.035	-.520	-.318	-.230
.096	-.334	-.484	-.909	-.245	-.237	-.912	-.599	-.332
.158	-.447	-.676	-.980	-.344	-.342	-.968	-.722	-.451
.221	-.539	-.701	-.925	-.371	-.346	-.974	-.730	-.540
.283	-.615	-.747	-.841	-.357	-.365	-.905	-.742	-.610
.346	-.679	-.750	-.845	-.615	-.612	-.890	-.740	-.653
.387	-.744	-.795	-.888			-.899	-.851	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.800	.991	0.000	0.000	3.	1.80	2.	13.

NACELLE CP DATA

	THETA(DEC.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.013	-.013	-.013	-.013	-.013	-.013	-.013	-.013
-.679	-.473	-.460	-.424	-.355	-.492	-.391	-.474	-.512
-.621	-.585	-.552	-.493	-.486	-.480	-.485	-.558	-.595
-.563	-.245	-.231	-.206	-.159	-.207	-.233	-.277	-.259
-.504		-.013	-.073	-.041	-.055	-.013	-.104	-.111
-.446	-.073	-.031	-.009	.020	-.004	.002	-.047	-.067
-.363	-.061	-.008	.118	.098	.113	.127	-.017	-.031
-.279	-.071	-.005	.027	.098	.068	.085	-.026	-.060
-.196	-.077	.014	.018	.132	.121	.052	-.006	-.067
-.113	-.106	-.005	.210	.149	.098	.198	-.020	-.099
-.029	-.180	-.133	.322	.134	.055	.326	-.170	-.175
.033	-.283	-.357	-.656	-.053	.025	-.636	-.388	-.262
.096	-.381	-.593	-1.050	-.171	-.160	-1.061	-.732	-.377
.158	-.508	-.785	-1.104	-.253	-.259	-1.057	-.826	-.512
.221	-.623	-.802	-1.028	-.283	-.270	-1.094	-.826	-.619
.283	-.710	-.840	-.968	-.289	-.300	-1.049	-.854	-.705
.346	-.771	-.854	-.979	-.549	-.535	-1.005	-.868	-.762
.387	-.839	-.910	-1.015			-1.019	-.982	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.801	2.501	0.000	0.000	3.	1.51	2.	11.

NACELLE CP DATA

	THETA(DEC.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.013	-.013	-.013	-.013	-.013	-.013	-.013	-.013
-.679	-.499	-.473	-.403	-.306	-.445	-.366	-.488	-.540
-.621	-.577	-.546	-.471	-.442	-.437	-.461	-.552	-.587
-.563	-.241	-.227	-.199	-.138	-.166	-.223	-.277	-.254
-.504		-.013	-.067	-.024	-.036	-.013	-.102	-.117
-.446	-.067	-.032	-.003	.039	.013	.006	-.047	-.064
-.363	-.057	-.013	.121	.121	.134	.128	-.022	-.030
-.279	-.069	-.012	.019	.129	.126	.078	-.035	-.058
-.196	-.078	.001	-.006	.170	.122	.022	-.022	-.070
-.113	-.116	-.032	.181	.215	.189	.185	-.052	-.112
-.029	-.201	-.190	.275	.194	.165	.272	-.235	-.199
.033	-.314	-.439	-.811	.084	.101	-.771	-.479	-.296
.096	-.424	-.724	-1.160	-.080	-.065	-1.121	-.878	-.421
.158	-.565	-.882	-1.228	-.166	-.157	-1.210	-.906	-.565
.221	-.690	-.921	-1.205	-.195	-.184	-1.274	-.945	-.683
.283	-.794	-.977	-1.134	-.214	-.223	-1.195	-.995	-.790
.346	-.875	-1.004	-1.125	-.413	-.411	-1.114	-1.016	-.870
.387	-.941	-1.045	-1.145			-1.129	-1.094	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.801	2.491	0.000	0.000	3.	1.81	2.	16.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.013	-.013	-.013	-.013	-.013	-.013	-.013	-.013
-.679	-.499	-.472	-.402	-.304	-.444	-.366	-.485	-.541
-.621	-.577	-.547	-.470	-.443	-.437	-.463	-.552	-.587
-.563	-.240	-.227	-.199	-.135	-.185	-.223	-.275	-.253
-.504		-.013	-.067	-.022	-.035	-.013	-.101	-.107
-.446	-.067	-.032	-.003	.040	.014	.006	-.047	-.064
-.363	-.057	-.013	.122	.124	.136	.128	-.022	-.030
-.279	-.069	-.013	.021	.126	.074	.080	-.035	-.058
-.196	-.079	-.001	-.002	.168	.117	.031	-.021	-.070
-.113	-.117	-.034	.208	.210	.101	.191	-.047	-.111
-.029	-.204	-.196	.278	.184	.099	.272	-.238	-.199
.033	-.316	-.449	-.809	-.025	.075	-.782	-.479	-.297
.096	-.426	-.734	-1.168	-.076		-1.135	-.877	-.422
.158	-.567	-.894	-1.231	-.154		-1.221	-.913	-.566
.221	-.695	-.925	-1.211	-.195		.282	-.948	-.685
.283	-.802	-.981	-1.138	-.213	.211	.202	-.999	-.793
.346	-.881	-1.006	-1.127	-.406	-.401	-1.116	-1.020	-.872
.387	-.944	-1.046	-1.147			-1.127	-1.112	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.802	3.003	0.000	0.000	3.	1.81	2.	17.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.013	-.013	-.013	-.013	-.013	-.013	-.013	-.013
-.679	-.508	-.476	-.397	-.289	-.428	-.358	-.489	-.548
-.621	-.573	-.547	-.464	-.428	-.424	-.457	-.551	-.583
-.563	-.238	-.226	-.198	-.131	-.177	-.221	-.274	-.251
-.504		-.013	-.067	-.016	-.030	-.013	-.103	-.106
-.446	-.066	-.034	-.003	.045	.018	.006	-.048	-.050
-.363	-.056	-.015	.121	.132	.140	.128	-.024	-.030
-.279	-.067	-.016	.018	.140	.079	.083	-.039	-.055
-.196	-.080	-.007	-.008	.178	.119	.025	-.026	-.069
-.113	-.119	-.045	.209	.219	.105	.190	-.059	-.114
-.029	-.208	-.214	.260	.189	.109	.259	-.254	-.204
.033	-.324	-.473	-.857	-.010	.085	-.819	-.505	-.305
.096	-.436	-.772	-1.203	-.054	-.036	-1.172	-.915	-.432
.158	-.580	-.914	-1.277	-.132	-.177	-1.257	-.934	-.578
.221	-.707	-.964	-1.255	-.175	-.164	-1.321	-.975	-.697
.283	-.819	-1.015	-1.179	-.200	-.203	-1.238	-1.034	-.809
.346	-.903	-1.039	-1.161	-.394	-.38	-1.148	-1.059	-.895
.387	-.966	-1.080	-1.186			-1.156	-1.130	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.702	-.025	0.000	0.000	2.	1.80	22.	49.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.318	-.288	-.273	-.305	-.318	-.298	-.269	-.345
-.679	-.343	-.375	-.416		-.408	-.403	-.416	-.369
-.621	-.451	-.434	-.478		-.468	-.453	-.438	-.453
-.563	-.269	-.264		-.242	-.247	-.244	-.213	-.209
-.504	-.129	-.110			-.122	-.120	-.091	-.088
-.446	-.063	-.041	-.063	-.087	-.074	-.069	-.033	-.029
-.363	.024	.116	-.045	-.073	-.048	-.036	.112	.049
-.279	.002	.017	-.021	-.080	-.062	-.042	.019	.036
-.196	.028	.033	-.005	-.076	-.054	-.022	.035	.037
-.113	.009	.157	-.027	-.079	-.060	-.036	.153	.045
-.029	-.060	.268	-.089	-.106	-.096	-.084	.300	-.057
.033	-.227	-.305	-.193	-.141	-.132	-.228	-.251	-.208
.096	-.345	-.660	-.285		-.167	-.271	-.515	-.325
.158	-.442		-.367	-.240	-.190	-.338	-.669	-.436
.221	-.439	-.518	-.327	-.231	-.248	-.325	-.536	-.444
.283	-.436	-.498	-.326	-.219	-.219	-.320	-.448	-.433
.346	-.499		-.330	-.230	-.209	-.320	-.458	-.484
.387	-.445		-.403	-.198	-.216	-.409	-.474	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.702	.970	0.000	0.000	2.	1.80	22.	50.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.360	-.310	-.259	-.247	-.267	-.278	-.294	-.373
-.679	-.365	-.381	-.402		-.384	-.383	-.420	-.396
-.621	-.463	-.430	-.465		-.454	-.451	-.447	-.471
-.563	-.278	-.270		-.234	-.229	-.235	-.203	-.219
-.504	-.126	-.104			-.109	-.119	-.098	-.103
-.446	-.064	-.046	-.057	-.087	.064	-.063	-.028	-.049
-.363	.010	.112	-.027	-.073	-.040	-.027	.108	.038
-.279	-.015	.026	-.003	-.066	-.046	-.023	.031	.024
-.196	.006	.052	.022	-.054	-.046	.003	.056	.024
-.113	-.033	.185	.011	-.047	-.046	.014	.182	.014
-.029	-.137	.349	-.020	-.070	-.063	-.018	.372	-.115
.033	-.312	-.085	-.105	-.096	-.086	-.136	-.051	-.287
.096	-.432	-.49	-.206		-.116	-.179	-.303	-.412
.158	-.516		-.290	-.192	-.145	-.276	-.555	-.510
.221	-.502	-.455	-.265	-.184	-.200	-.265	-.457	-.497
.283	-.487	-.443	-.276	-.171	-.171	-.270	-.397	-.496
.346	-.542		-.293	-.202	-.174	-.277	-.405	-.533
.387	-.488	-.448	-.357	-.184	-.185	-.367	-.431	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.699	2.473	0.000	0.000	2.	1.79	22.	51.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.414	-.340	-.239	-.196	-.202	-.256	-.322	-.420
-.679	-.394	-.394	-.379		-.341	-.373	-.434	-.424
-.621	-.474	-.443	-.452		-.413	-.428	-.454	-.485
-.563	-.275	-.267		-.213	-.209	-.225	-.212	-.219
-.504	.134	-.112			-.095	-.112	-.107	-.102
-.446	-.076	-.050	-.056	-.058	-.045	-.050	-.032	-.049
-.363	-.002	.113	-.016	-.043	-.017	-.008	.100	.017
-.279	-.036	.042	.011	-.048	-.015	-.002	.030	.007
-.196	-.019	.081	.039	-.022	-.002	.033	.083	-.017
-.113	-.080	.217	.063	-.013	.003	.071	.215	-.042
-.029	-.240	.441	.057	-.022	-.019	.065	.454	-.228
.033	-.492	.185	.001	-.041	-.026	-.023	.202	-.467
.096	-.598	-.269	-.088		-.059	-.073	-.149	-.593
.158	-.663		-.181	-.128	-.082	-.179	-.387	-.647
.221	-.606	-.356	-.174	-.118	-.144	-.171	-.338	-.601
.283	-.572	-.350	-.199	-.122	-.111	-.194	-.297	-.560
.346	-.609		-.220	-.142	-.120	-.209	-.333	-.599
.387	-.548	-.384	-.295	-.147	-.130	-.302	-.377	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.699	2.986	0.000	0.000	2.	1.80	22.	52.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.422	-.352	-.234	-.170	-.178	-.246	-.331	-.439
-.679	-.401	-.399	-.373		-.324	-.365	-.434	-.432
-.621	-.476	-.445	-.445		-.407	-.428	-.454	-.494
-.563	-.282	-.272		-.213	-.199	-.221	-.220	-.226
-.504	-.132	-.120			-.086	-.109	-.104	-.106
-.446	-.073	-.049	-.051	-.053	-.040	-.053	-.037	-.047
-.363	-.006	.107	-.016	-.033	-.017	-.015	.096	.019
-.279	-.046	.034	.017	-.033	-.009	.008	.038	.000
-.196	-.029	.089	.053	-.014	.008	.038	.088	-.023
-.113	-.097	.224	.076	.005	.019	.080	.236	-.060
-.029	-.272	.458	.092	-.006	.005	.091	.479	-.257
.033	-.559	.263	.038	-.018	-.010	.007	.279	-.533
.096	-.703	-.208	-.047		-.033	-.047	-.090	-.681
.158	-.731		-.145	-.115	-.061	-.146	-.330	-.710
.221	-.644	-.318	-.142	-.100	-.117	-.149	-.296	-.633
.283	-.587	-.327	-.173	-.101	-.095	-.166	-.272	-.588
.346	-.626		-.204	-.130	-.109	-.187	-.305	-.619
.387	-.566	-.364	-.268	-.129	-.119	-.275	-.354	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.752	-.024	0.000	0.000	2.	1.48	22.	31.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.320	-.281	-.279	-.302	-.314	-.292	-.274	-.345
-.679	-.359	-.393	-.425		-.425	-.424	-.426	-.378
-.621	-.476	-.466	-.499		-.504	-.487	-.472	-.481
-.563	-.271	-.266		-.233	-.241	-.236	-.207	-.207
-.504	-.114	-.099			-.116	-.109	-.085	-.087
-.446	-.051	-.027	-.052	-.085	-.057	-.053	-.016	-.024
-.363	.048	.136	-.024	-.069	-.035	-.020	.124	.067
-.279	.024	.038	-.007	-.069	-.050	-.024	.039	.057
-.196	.054	.056	.015	-.064	-.052	-.004	.053	.060
-.113	.029	.186	-.006	-.070	-.059	-.020	.181	.064
-.029	-.041	.297	-.080	-.116	-.099	-.079	.342	-.031
.033	-.215	-.321	-.197	-.151	-.140	-.252	-.274	-.197
.096	-.365	-.707	-.339		-.189	-.311	-.574	-.349
.158	-.491		-.428	-.277	-.231	-.421	-.755	-.483
.221	-.501	-.577	-.365	-.262	-.275	-.376	-.600	-.496
.283	-.480	-.514	-.347	-.248	-.240	-.346	-.473	-.482
.346	-.568		-.517	-.243	-.226	-.296	-.433	-.553
.387	-.511	-.397	-.282	-.224	-.218	-.283	-.394	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.748	-.016	0.000	0.000	2.	1.79	22.	33.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.320	-.285	-.275	-.297	-.305	-.292	-.271	-.350
-.679	-.359	-.389	-.423		-.429	-.421	-.428	-.385
-.621	-.479	-.457	-.502		-.499	-.483	-.467	-.482
-.563	-.267	-.263		-.241	-.238	-.238	-.212	-.203
-.504	-.113	-.100			-.122	-.109	-.085	-.084
-.446	-.055	-.030	-.050	-.086	-.065	-.057	-.019	-.023
-.363	.042	.130	-.031	-.071	-.042	-.017	.126	.063
-.279	.018	.038	-.010	-.076	-.049	-.027	.043	.056
-.196	.055	.049	.016	-.067	-.053	-.010	.052	.057
-.113	.028	.177	-.014	-.081	-.061	-.017	.170	.066
-.029	-.041	.294	-.095	-.119	-.103	-.078	.327	-.031
.033	-.224	-.322	-.214	-.160	-.146	-.248	-.267	-.201
.096	-.357	-.706	-.337		-.201	-.310	-.579	-.338
.158	-.485		-.437	-.277	-.235	-.416	-.761	-.474
.221	-.490	-.590	-.382	-.270	-.294	-.385	-.616	-.484
.283	-.475	-.543	-.375	-.260	-.262	-.365	-.492	-.473
.346	-.564		-.372	-.269	-.246	-.358	-.490	-.549
.387	-.496	-.517	-.432	-.254	-.249	-.430	-.505	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	.980	0.000	0.000	2.	1.79	22.	34.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.362	-.304	-.255	-.245	-.260	-.276	-.289	-.371
-.679	-.380	-.400	-.410		-.391	-.405	-.432	-.406
-.621	-.481	-.460	-.492		-.482	-.469	-.464	-.491
-.563	-.273	-.262		-.229	-.228	-.242	-.198	-.210
-.504	-.116	-.091			-.112	-.110	-.086	-.084
-.446	-.060	-.039	-.051	-.072	-.056	-.055	-.012	-.022
-.363	.030	.122	-.016	-.055	-.028	-.021	.127	.059
-.279	.007	.033	.004	-.058	-.036	-.015	.053	.057
-.196	.033	.065	.036	-.039	-.028	.016	.088	.050
-.113	.002	.203	.035	-.041	-.029	.024	.205	.048
-.029	-.096	.362	-.020	-.069	-.063	-.015	.397	-.080
.033	-.315	-.117	-.116	-.102	-.085	-.147	-.060	-.282
.096	-.463	-.545	-.234		-.134	-.200	-.397	-.452
.158	-.584		-.335	-.217	-.167	-.314	-.612	-.587
.221	-.562	-.503	-.303	-.217	-.232	-.298	-.509	-.560
.283	-.525	-.477	-.312	-.213	-.200	-.303	-.433	-.530
.346	-.617		-.331	-.229	-.206	-.304	-.442	-.640
.387	-.551	-.472	-.393	-.214	-.214	-.388	-.467	

MACH	ALF (A	CT	J	CONF	NPR	RUN	POINT
.751	2.476	0.000	0.000	2.	1.79	22.	35.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.411	-.344	-.238	-.190	-.193	-.254	-.317	-.429
-.679	-.415	-.416	-.388		-.353	-.386	-.441	-.424
-.621	-.499	-.466	-.476		-.447	.455	-.465	-.487
-.563	-.269	-.261		-.199	-.207	-.218	-.205	-.205
-.504	-.116	-.095			-.076	-.088	-.083	-.081
-.446	-.043	-.025	-.040	-.052	-.028	-.030	-.014	-.019
-.363	.033	.134	-.006	-.031	.004	.008	.126	.056
-.279	.008	.059	.028	-.030	-.003	.024	.066	.044
-.196	.018	.108	.061	-.010	.008	.063	.118	.036
-.113	-.029	.250	.082	.002	.016	.092	.252	.020
-.029	-.171	.456	.066	-.016	-.006	.084	.475	-.148
.033	-.447	.161	-.008	-.039	-.026	-.029	.183	-.413
.096	-.650	-.318	-.106		-.063	-.085	-.191	-.617
.158	-.831		-.215	-.151	-.098	-.210	-.440	-.816
.221	-.950	-.402	-.211	-.147	-.163	-.199	-.388	-.933
.283	-.850	-.386	-.235	-.147	-.145	-.222	-.337	-.850
.346	-.905		-.261	-.171	-.153	-.235	-.359	-.864
.387	-.627	-.409	-.325	-.177	-.164	-.318	-.381	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.981	0.000	0.000	2.	1.51	22.	32.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.420	-.346	-.226	-.162	-.177	-.237	-.321	-.436
-.679	-.416	-.416	-.388		-.335	-.371	-.442	-.440
-.621	-.492	-.456	-.462		-.426	-.445	-.470	-.502
-.563	-.262	-.256		-.201	-.190	-.212	-.208	-.209
-.504	-.103	-.097			-.078	-.099	-.087	-.088
-.446	-.047	-.031	-.035	-.045	-.026	-.032	-.016	-.023
-.363	.030	.136	.003	-.021	.001	.007	.125	.053
-.279	-.001	.065	.039	-.016	.006	.026	.070	.033
-.196	.020	.118	.080	-.004	.017	.069	.119	.024
-.113	-.035	.264	.096	.013	.030	.097	.257	-.002
-.029	-.187	.472	.091	-.003	.017	.104	.493	-.173
.033	-.474	.235	.030	-.014	-.011	-.001	.235	-.449
.096	-.692	-.248	-.076		-.041	-.052	-.129	-.663
.158	-.878		-.171	-.119	-.077	-.165	-.375	-.860
.221	-1.013	-.341	-.164	-.113	-.129	-.176	-.332	-.986
.283	-.916	-.343	-.186	-.106	-.109	-.191	-.282	-.926
.346	-1.028		-.181	-.130	-.114	-.182	-.282	-.986
.387	-.901	-.306	-.159	-.132	-.127	-.185	-.287	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.750	2.988	0.000	0.000	2.	1.80	22.	36.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.415	-.351	-.228	-.161	-.166	-.236	-.316	-.432
-.679	-.422	-.421	-.375		-.344	-.380	-.442	-.451
-.621	-.503	-.465	-.460		-.441	-.453	-.463	-.504
-.563	-.274	-.263		-.200	-.204	-.204	-.203	-.218
-.504	-.116	-.088			-.079	-.092	-.092	-.085
-.446	-.047	-.024	-.028	-.044	-.024	-.034	-.023	-.029
-.363	.026	.133	-.003	-.028	.004	.008	.118	.050
-.279	.002	.067	.033	-.020	-.004	.034	.069	.036
-.196	.012	.126	.077	-.004	.019	.067	.115	.023
-.113	-.032	.262	.090	.010	.024	.096	.255	.004
-.029	-.192	.472	.090	-.003	.012	.102	.487	-.173
.033	-.476	.231	.024	-.023	-.013	.002	.240	-.445
.096	-.685	-.248	-.077		-.048	-.050	-.135	-.664
.158	-.877		-.182	-.133	-.080	-.163	-.391	-.854
.221	-1.006	-.343	-.181	-.125	-.144	-.175	-.358	-.990
.283	-.919	-.352	-.217	-.128	-.127	-.191	-.322	-.934
.346	-1.031		-.249	-.157	-.138	-.212	-.348	-.982
.387	-1.015	-.381	-.310	-.145	-.145	-.295	-.380	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.800	-.019	0.000	0.000	2.	1.79	22.	17.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.317	-.281	-.275	-.303	-.306	-.282	-.263	-.335
-.679	-.372	-.397	-.450		-.430	-.427	-.447	-.389
-.621	-.520	-.493	-.567		-.551	-.526	-.524	-.523
-.563	-.234	-.244		-.220	-.214	-.227	-.193	-.187
-.504	-.079	-.083			-.093	-.095	-.074	-.056
-.446	-.019	-.013	-.039	-.058	-.039	-.036	-.004	.006
-.363	.078	.156	-.014	-.048	-.020	-.004	.145	.094
-.279	.054	.056	.009	-.053	-.027	-.004	.057	.092
-.196	.098	.082	.031	-.044	-.024	.021	.084	.106
-.113	.085	.223	.016	-.049	-.040	.009	.212	.116
-.029	.017	.336	-.076	-.105	-.096	-.063	.368	.024
.033	-.176	-.303	-.222	-.162	-.152	-.274	-.239	-.154
.096	-.331	-.781	-.370		-.222	-.364	-.595	-.309
.158	-.482		-.559	-.346	-.299	-.526	-.815	-.488
.221	-.581	-.801	-.559	-.377	-.397	-.539	-.783	-.557
.283	-.498	-.841	-.591	-.369	-.373	-.571	-.729	-.481
.346	-.657		-.446	-.348	-.325	-.507	-.598	-.632
.387	-.645	-.527	-.461	-.339	-.300	-.505	-.508	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.800	.989	0.000	0.000	2.	1.80	22.	18.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.352	-.296	-.249	-.241	-.246	-.265	-.277	-.370
-.679	-.394	-.414	-.425		-.419	-.421	-.450	-.421
-.621	-.538	-.503	-.548		-.537	-.517	-.514	-.538
-.563	-.247	-.244		-.216	-.221	-.209	-.193	-.188
-.504	-.092	-.079			-.090	-.088	-.068	-.061
-.446	-.023	-.008	-.031	-.058	-.039	-.022	.005	.003
-.363	.067	.161	.001	-.039	-.012	.018	.152	.088
-.279	.046	.076	.027	-.044	-.014	.022	.079	.085
-.196	.087	.112	.058	-.030	-.013	.044	.112	.090
-.113	.061	.241	.052	-.031	-.016	.050	.242	.102
-.029	-.023	.391	-.010	-.068	-.062	-.004	.418	-.004
.033	-.242	-.127	-.133	-.111	-.105	-.166	-.083	-.214
.096	-.423	-.574	-.280		-.169	-.255	-.455	-.391
.158	-.585		-.450	-.272	-.226	-.409	-.705	-.582
.221	-.695	-.664	-.432	-.288	-.308	-.417	-.657	-.684
.283	-.608	-.521	-.409	-.284	-.284	-.434	-.602	-.611
.346	-.750		-.400	-.296	-.267	-.379	-.508	-.715
.387	-.756	-.526	-.460	-.282	-.272	-.448	-.507	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.800	2.481	0.000	0.000	2.	1.80	22.	19.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.388	-.320	-.222	-.175	-.187	-.244	-.298	-.406
-.679	-.424	-.419	-.404		-.368	-.391	-.465	-.451
-.621	-.525	-.488	-.524		-.485	-.492	-.505	-.529
-.563	-.234	-.239		-.197	-.196	-.207	-.186	-.191
-.504	-.079	-.076			-.073	-.086	-.059	-.052
-.446	-.017	-.009	-.013	-.032	-.023	-.021	.011	.007
-.363	.064	.163	.021	-.017	.009	.025	.155	.089
-.279	.048	.091	.051	-.016	.007	.035	.098	.081
-.196	.077	.136	.090	.000	.026	.075	.142	.085
-.113	.050	.277	.099	.009	.025	.099	.280	.083
-.029	-.068	.460	.073	-.016	-.005	.073	.489	-.051
.033	-.320	.089	-.020	-.052	-.040	-.054	.128	-.285
.096	-.516	-.388	-.153		-.091	-.137	-.261	-.482
.158	-.694		-.287	-.184	-.139	-.272	-.543	-.675
.221	-.825	-.475	-.287	-.195	-.223	-.289	-.504	-.803
.283	-.756	-.458	-.317	-.198	-.199	-.305	-.399	-.770
.346	-.874		-.329	-.234	-.209	-.311	-.439	-.841
.387	-.889	-.474	-.399	-.236	-.222	-.408	-.468	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	2.990	0.000	0.000	2.	1.80	22.	20.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.401	-.331	-.215	-.157	-.168	-.230	-.306	-.421
-.679	-.426	-.423	-.399		-.345	-.388	-.458	-.455
-.621	-.509	-.488	-.509		-.465	-.485	-.500	-.522
-.563	-.229	-.235		-.190	-.193	-.196	-.186	-.186
-.504	-.077	-.071			-.070	-.070	-.058	-.054
-.446	-.014	.007	-.010	-.031	-.016	-.015	.010	.012
-.363	.069	.163	.021	-.007	.016	.033	.155	.092
-.279	.051	.099	.057	-.005	.016	.049	.100	.084
-.196	.078	.151	.096	.012	.030	.087	.156	.083
-.113	.044	.290	.117	.020	.040	.119	.294	.071
-.029	-.081	.489	.099	-.006	.014	.102	.505	-.072
.033	-.341	.172	.007	-.038	-.016	-.020	.195	-.316
.096	-.546	-.320	-.111		-.070	-.093	-.193	-.515
.158	-.727		-.240	-.164	-.122	-.229	-.473	-.705
.221	-.870	-.433	-.242	-.175	-.204	-.252	-.441	-.840
.283	-.803	-.433	-.277	-.184	-.189	-.281	-.369	-.809
.346	-.922		-.300	-.219	-.196	-.300	-.418	-.806
.387	-.933	-.466	-.382	-.218	-.212	-.393	-.453	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.501	.002	.401	2.084	3.	1.31	6.	34.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.129	-.091	-.032	-.071	-.064	-.084	-.145	-.165
-.679	-.304	-.274	-.267	-.211	-.314	-.246	-.303	-.320
-.621	-.373	-.364	-.336	-.333	-.336	-.337	-.399	-.403
-.563	-.248	-.237	-.183	-.137	-.181	-.216	-.291	-.270
-.504		-.111	-.113	-.056	-.081	-.085	-.156	-.147
-.446	-.124	-.059	-.035	-.020	-.061	-.054	-.117	-.127
-.363	-.112	-.044	.079	.030	.052	.042	-.130	-.096
-.279	-.126	-.044	.015	-.008	-.040	-.042	-.160	-.150
-.196	-.124	-.018	.026	.029	.064	-.131	-.181	-.172
-.113	-.131	-.003	.199	.037	.069	-.029	-.239	-.197
-.029	-.144	-.038	.419	-.028	.078	-.176	-.383	-.229
.033	-.172	-.119	-.122	-.049	.019	-1.530	-.507	-.249
.096	-.199	-.251	-.303	-.239	-.119	-.96	-.543	-.248
.158	-.209	-.315	-.405	-.254	-.190	-.797	-.465	-.273
.221	-.259	-.308	-.353	-.211	-.202	-.703	-.446	-.285
.283	-.219	-.319	-.384	-.250	-.214	-.510	-.395	-.306
.346	-.271	-.337	-.286	-.324	-.324	-.392		-.280
.387	-.245	-.283	-.285	-.344		-.303	-.333	-.259

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.500	1.001	.395	2.083	3.	1.29	6.	35.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.176	-.101	.004	-.027	-.025	-.084	-.193	-.218
-.679	-.520	-.284	-.256	-.184	-.312	-.242	-.321	-.346
-.621	-.403	-.375	-.329	-.321	-.325	-.339	-.405	-.422
-.563	-.262	-.237	-.182	-.123	-.180	-.218	-.306	-.282
-.504		-.105	-.102	-.048	-.073	-.092	-.168	-.165
-.446	-.132	-.087	-.030	-.010	-.052	-.086	-.139	-.147
-.363	-.123		.088	.046	.060	.026	-.151	-.115
-.279	-.138	-.048	.016	.009	-.006	-.058	-.190	-.168
-.196	-.147	-.019	.015	.051	.080	-.169	-.216	-.198
-.113	-.159	-.033	.190	.069	.099	-.079	-.289	-.224
-.029	-.181	-.091	.376	.012	.124	-.307	-.458	-.261
.033	-.212	-.181	-.286	-.042	.067	-1.836	-.585	-.283
.096	-.229	-.284	-.421	-.199	-.066	-1.091	-.619	-.292
.158	-.264	-.335	-.517	-.219	-.141	-.913	-.548	-.300
.221	-.261	-.357	-.503	-.208	-.158	-.665	-.404	-.258
.283	-.233	-.316	-.387	-.224	-.193	-.502	-.383	-.254
.346	-.263	-.286	-.362	-.298	-.296	-.415		-.254
.387	-.254	-.341	-.454	-.296		-.380	-.325	-.264

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.498	3.005	.283	2.079	3.	1.07	5.	23.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.263	-.130	.079	.076	.051	-.071	-.257	-.320
-.679	-.372	-.310	-.228	-.136	-.274	-.232	-.350	-.409
-.621	-.430	-.393	-.309	-.273	-.269	-.318	-.414	-.452
-.563	-.284	-.255	-.162	-.082	-.142	-.214	-.314	-.306
-.504		-.117	-.098	-.006	-.058	-.092	-.203	-.190
-.446	-.155	-.079	-.021	.031	-.038	-.083	-.167	-.170
-.363	-.147	-.080	.089	.084	.085	-.008	-.180	-.151
-.279	-.163	-.046	-.012	.057	.112	-.028	-.195	-.199
-.196	-.176	-.028	-.014	.120	.124	-.234	-.253	-.224
-.113	-.201	-.133	.119	.149	.148	-.137	-.343	-.262
-.029	-.245	-.190	.144	.086	.188	-.464	-.516	-.302
.033	-.186	-.286	-.862	.034	.154	-1.940	-.632	-.337
.096	-.282	-.357	-.775	-.089	.028	-1.197	-.664	-.327
.158	-.315	-.438	-.738	-.121	-.048	-.984	-.601	-.367
.221	-.283	-.470	-.652	-.161	-.096	-.739	-.480	-.303
.283	-.307	-.295	-.489	-.149	-.157	-.556	-.414	-.291
.346	-.218	-.334	-.484	-.239	-.263	-.389		-.281
.387	-.232	-.313	-.387	-.236		-.300	-.209	-.207

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.499	2.994	.390	2.081	3.	1.30	6.	38.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.254	-.122	.078	.066	.37	-.082	-.264	-.313
-.679	-.379	-.307	-.242	-.144	-.278	-.244	-.365	-.413
-.621	-.439	-.403	-.319	-.295	-.301	-.352	-.432	-.451
-.563	-.289	-.258	-.168	-.100	-.172	-.241	-.335	-.322
-.504		-.117	-.097	-.029	-.077	-.113	-.211	-.210
-.446	-.169	-.080	-.021	.019	-.058	-.101	-.185	-.181
-.363	-.156	-.067	.104	.075	.068	-.019	-.204	-.157
-.279	-.179	-.082	.001	.040	.005	-.129	-.249	-.214
-.196	-.197	-.069	-.018	.107	.116	-.280	-.299	-.240
-.113	-.213	-.104	.164	.131	.156	-.168	-.404	-.287
-.029	-.252	-.195	.273	.089	.207	-.547	-.623	-.337
.033	-.299	-.299	-.659	-.041	.174	-2.251	-.754	-.369
.096	-.301	-.419	-.686	-.118	.035	-1.562	-.775	-.387
.158	-.323	-.456	-.708	-.142	-.052	-1.177	-.694	-.333
.221	-.271	-.453	-.683	-.173	-.081	-.782	-.461	-.270
.283	-.247	-.325	-.503	-.168	-.142	-.627	-.392	-.269
.346	-.267	-.294	-.511	-.250	-.239	-.433		-.265
.387	-.260	-.343	-.460	-.245		-.392	-.341	-.261

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.501	3.000	.426	2.495	3.	1.03	19.	35.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.304	-.147	.038	.048	.039	-.098	-.256	-.345
-.679	-.394	-.333	-.255		-.264	-.242	-.366	-.429
-.621	-.466	-.433	-.356	-.320	-.307	-.362	-.446	-.457
-.563	-.281	-.226	-.159	-.120	-.177	-.238	-.342	-.322
-.504		-.124			-.079	-.125	-.216	-.210
-.446	-.172	-.083	-.019	.014	-.059	-.105	-.182	-.177
-.363	-.151	-.074	.109	.062	.060	-.026	-.193	-.166
-.279	-.180	-.094	-.000	.010	.067	-.130	-.249	-.217
-.196	-.194	-.077	-.028	.083	.111	-.273	-.286	-.237
-.113	-.204	-.113	.147	.120	.140	-.214	-.376	-.273
-.029	-.251	-.197	.263	.085	.169	-.545	-.570	-.312
.033	-.281	-.308	-.626	-.018	.151	-2.078	-.689	-.338
.096	-.292		-.660	-.111	.028	-1.370	-.726	-.348
.158	-.483		-.693	-.142	-.049		-.571	-.472
.221	-.329	-.417	-.625	-.142	-.100	-.759	-.521	-.412
.283	-.336	-.412	-.449	-.182	-.122	-.557	-.514	-.448
.346	-.374	-.367	-.359	-.254	-.227	-.449		-.483
.387	-.391	-.390	-.361	-.264		-.353	-.509	-.747

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.502	3.004	.521	2.079	3.	1.48	20.	8.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.319	-.147	.068	.059	.043	-.106	-.275	-.355
-.679	-.417	-.342	-.273		-.287	-.278	-.411	-.459
-.621	-.492	-.432	-.378	-.341	-.357	-.386	-.488	-.505
-.563	-.312	-.239	-.186	-.149	-.231	-.285	-.396	-.358
-.504		-.134			-.121	-.166	-.252	-.239
-.446	-.201	-.099	-.031	-.022	-.104	-.149	-.238	-.220
-.363	-.188	-.085	.102	.040	.032	-.067	-.253	-.200
-.279	-.206	-.098	.007	-.018	.045	-.188	-.304	-.259
-.196	-.210	-.073	-.003	.054	.085	-.350	-.354	-.290
-.113	-.231	-.070	.205	.085	.140	-.237	-.467	-.336
-.029	-.264	-.148	.410	.026	.195	.610	-.712	-.386
.033	-.284	-.263	-.396	-.074	.171	-1.745	-.843	-.389
.096	-.320		-.540	-.191	.020	-1.675	-.865	-.459
.158	-.082		-.643	-.196	-.080		-.932	-.667
.221	-.435	-.490	-.330	-.187	-.129	-1.107	-1.524	-.535
.283	-.455	-.504	-.615	-.192	-.176	-.777	-.767	-.529
.346	-.449	-.518	-.683	-.234	-.274	-.600		-.639
.387	-.441	-.567	-.886	-.281		-.527	-.763	-.986

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	-.009	.471	2.905	3.	1.67	17.	14.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.113	-.078	-.027	-.080	-.064	-.077	-.118	-.139
-.679	-.323	-.328	-.314		-.027	-.277	-.321	-.346
-.621	-.444	-.444	-.411	-.394	-.386	-.392	-.434	-.438
-.563	-.239	-.236	-.191	-.168	-.211	-.247	-.306	-.267
-.504		-.107			-.081	-.084	-.123	-.139
-.446	-.118	-.054	-.010	-.007	-.042	-.036	-.079	-.097
-.363	-.089	-.028	.103	.054	.072	.080	-.079	-.068
-.279	-.106	-.025	.031	.014	.068	.014	-.097	-.116
-.196	-.111	.015	.047	.071	.102	-.041	-.097	-.126
-.113	-.114	.029	.246	.083	.110	.113	-.130	-.173
-.029	-.155	-.026	.468	-.001	.093	.151	-.351	-.242
.033	-.197	-.148	-.120	-.152	.015	-1.128	-.660	-.305
.096	-.216		-.370	-.286	-.164	-1.665	-1.012	-.346
.158	-.450		-.542	-.338	-.255		-.771	-.480
.221	-.330	-.393	-.562	-.343	-.294	-.889	-.470	-.424
.283	-.357	-.437	-.467	-.357	-.311	-.687	-.452	-.424
.346	-.402	-.429	-.540	-.472	-.434	-.460		-.498
.387	-.322	-.438	-.626	-.428		-.391	-.547	-.698

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	-.020	.483	3.027	3.	1.66	18.	46.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.127	-.097	-.037	-.081	-.071	-.071	-.114	-.156
-.679	-.325	-.328	-.320		-.339	-.273	-.328	-.360
-.621	-.450	-.436	-.410	-.425	-.395	-.386	-.435	-.457
-.563	-.244	-.213	-.190	-.173	-.213	-.231	-.305	-.271
-.504		-.098			-.090	-.090	-.138	-.142
-.446	-.126	-.054	-.018	-.015	-.056	-.039	-.085	-.105
-.363	-.103	-.029	.087	.046	.070	.073	-.095	-.077
-.279	-.109	-.023	.030	.004	.064	.016	-.100	-.127
-.196	-.116	.009	.056	.057	.095	-.052	-.093	-.144
-.113	-.121	.031	.249	.079	.105	.107	-.137	-.183
-.029	-.165	-.016	.475	-.019	.086		-.360	-.260
.033	-.211	-.139	-.120	-.170	.009	-1.136	-.675	-.325
.096	-.257		-.365	-.298	-.169	-1.659	-1.040	-.386
.158	-.408		-.549	-.338	-.271		-.676	-.509
.221	-.293	-.345	-.563	-.334	-.308	-.896	-.493	-.393
.283	-.297	-.374	-.456	-.338	-.321	-.649	-.444	-.389
.346	-.303	-.367	-.526	-.438	-.439	-.444		-.472
.387	-.428	-.364	-.547	-.436		-.378	-.506	-.704

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	.992	.478	3.023	3.	1.65	18.	47.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.183	-.103	-.002	-.031	-.023	-.061	-.152	-.210
-.679	-.349	-.336	-.308		-.306	-.268	-.349	-.382
-.621	-.452	-.441	-.410	-.409	-.383	-.379	-.445	-.465
-.563	-.253	-.212	-.183	-.169	-.204	-.227	-.310	-.293
-.504		-.103			-.077	-.087	-.144	-.147
-.446	-.126	-.063	-.014	-.010	-.047	-.049	-.101	-.125
-.363	-.108	-.034	.108	.057	.071	.066	-.099	-.095
-.279	-.131	-.038	.035	.018	.086	-.005	-.115	-.142
-.196	-.124	.000	.042	.078	.109	-.067	-.122	-.161
-.113	-.154	.009	.237	.105	.133	.096	-.177	-.213
-.029	-.207	-.073	.457	.025	.134	.100	-.417	-.299
.033	-.260	-.216	-.279	-.117	.063	-1.240	-.754	-.377
.096	-.313		-.490	-.245	-.115	-1.739	-1.183	-.437
.158	-.477		-.771	-.287	-.217		-.991	-.581
.221	-.366	-.406	-.646	-.285	-.259	-1.011	-.593	-.451
.283	-.353	-.409	-.525	-.293	-.277	-.957	-.550	-.443
.346	-.323	-.409	-.589	-.399	-.399	-.682		-.531
.387	-.426	-.390	-.585	-.406		-.519	-.556	-.701

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	2.502	.420	3.017	3.	1.44	17.	20.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.261	-.137	.045	.048	.040	-.063	-.211	-.295
-.679	-.382	-.351	-.301		-.267	-.255	-.380	-.405
-.621	-.469	-.455	-.417	-.362	-.340	-.369	-.465	-.466
-.563	-.254	-.230	-.190	-.131	-.171	-.233	-.334	-.289
-.504		-.101			-.052	-.080	-.170	-.148
-.446	-.124	-.056	-.017	.031	-.028	-.043	-.130	-.117
-.363	-.114	-.038	.114	.102	.097	.062	-.122	-.092
-.279	-.135	-.045	.022	.065	.120	-.006	-.142	-.139
-.196	-.137	-.022	.014	.128	.153	-.086	-.152	-.170
-.113	-.175	-.037	.216	.160	.188	.073	-.219	-.238
-.029	-.247	-.167	.404	.114	.202	.043	-.479	-.323
.033	-.320	-.378	-.581	-.012	.145	-1.364	-.822	-.396
.096	-.368		-.849	-.161	-.030	-1.809	-1.262	-.477
.158	-.602		-1.243	-.215	-.123		-.890	-.528
.221	-.429	-.515	-.769	-.218	-.170	-1.015	-.576	-.489
.283	-.424	-.481	-.587	-.240	-.214	-1.039	-.574	-.55
.346	-.419	-.532	-.627	-.362	-.348	-.915		-.59
.387	-.491	-.575	-.685	-.358		-.765	-.769	-.801

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	2.491	.472	3.020	3.	1.65	18.	48.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.254	-.130	.047	.050	.055	-.046	-.198	-.291
-.679	-.397	-.344	-.282		-.290	-.259	-.371	-.425
-.621	-.485	-.454	-.405	-.393	-.363	-.378	-.456	-.484
-.563	-.265	-.224	-.176	-.141	-.191	-.240	-.326	-.298
-.504		-.100			-.068	-.088	-.171	-.173
-.446	-.136	-.065	-.006	.006	-.042	-.063	-.123	-.146
-.363	-.118	-.038	.125	.084	.094	.053	-.124	-.109
-.279	-.135	-.045	.032	.046	.100	-.023	-.149	-.158
-.196	-.154	-.016	.032	.117	.134	-.101	-.156	-.182
-.113	-.194	-.022	.243	.157	.182	.070	-.221	-.245
-.029	-.259	-.151	.441	.090	.203	.032	-.504	-.355
.033	-.334	-.359	-.507	-.036	.146	-1.390	-.874	-.440
.096	-.409		-.742	-.170	-.026	-1.870	-1.332	-.529
.158	-.637		-1.232	-.211	-.138		-1.094	-.718
.221	-.511	-.614	-1.044	-.219	-.182	-1.056	-.749	-.564
.283	-.442	-.467	-.604	-.236	-.213	-1.070	-.718	-.552
.346	-.389	-.486	-.634	-.360	-.343	-1.006		-.643
.387	-.417	-.438	-.642	-.359		-.886	-.749	-.762

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	2.501	.485	3.431	3.	1.60	14.	25.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.278	-.165	.012	.012	.026	-.066	-.218	-.309
-.679	-.421	-.366	-.303		-.309	-.273	-.400	-.447
-.621	-.510	-.472	-.426	-.403	-.377	-.391	-.479	-.505
-.563	-.275	-.235	-.189	-.152	-.208	-.241	-.340	-.313
-.504		-.100			-.074	-.102	-.181	-.183
-.446	-.141	-.070	-.014	.006	-.051	-.068	-.136	-.150
-.363	-.129	-.048	.116	.071	.086	.038	-.137	-.120
-.279	-.141	-.054	.032	.033	.096	-.045	-.157	-.170
-.196	-.157	-.022	.030	.093	.138	-.126	-.173	-.205
-.113	-.187	-.024	.243	.137	.173	.049	-.237	-.262
-.029	-.256	-.132	.445	.065	.196	.022	-.535	-.372
.033	-.330	-.329	-.449	.059	.136	-1.413	-.902	-.455
.096	-.422		-.687	-.188	-.028	-1.631	-1.366	-.558
.158	-.414		-1.212	-.218	-.140		-1.003	-.550
.221	-.468	-.559	-.968	-.216	-.181	-1.051	-.740	-.565
.283	-.448	-.512	-.631	-.229	-.214	-1.089	-.767	-.490
.346	-.386	-.462	-.638	-.352	-.341	-1.017		-.587
.387	-.370	-.417	-.612	-.351		-.918	-.853	-.838

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	2.983	.470	3.022	3.	1.64	18.	49.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.272	-.130	.064	.079	.068	-.042	-.216	-.314
-.679	-.399	-.353	-.279		-.275	-.260	-.384	-.444
-.621	-.486	-.458	-.399	-.386	-.356	-.374	-.456	-.491
-.563	-.273	-.229	-.177	-.133	-.188	-.242	-.336	-.303
-.504		-.104			-.069	-.092	-.179	-.179
-.446	-.145	-.058	.002	.014	-.037	-.059	-.129	-.148
-.363	-.126	-.022	.132	.091	.101	.064	-.129	-.118
-.279	-.141	-.050	.035	.048	.108	-.032	-.156	-.169
-.196	-.163	-.026	.035	.121	.147	-.1	-.164	-.199
-.113	-.202	-.037	.248	.163	.196	.056	-.240	-.266
-.029	-.280	-.167	.435	.107	.223	.018	-.540	-.372
.033	-.364	-.395	-.564	-.017	.165	-1.432	-.914	-.463
.096	-.450		-.955	-.153	-.007	-1.891	-1.376	-.557
.158	-.708		-1.277	-.197	-.114		-1.073	-.782
.221	-.577	-.762	-1.217	-.205	-.160	-1.070	-.776	-.624
.283	-.493	-.531	-.687	-.216	-.195	-1.087	-.766	-.603
.3	-.437	-.503	-.628	-.347	-.332	-1.053		-.681
.5	-.421	-.475	-.643	-.342		-.971	-.869	-.853

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.751	-.006	.401	3.245	3.	1.47	18.	31.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.108	-.065	-.020	-.067	-.065	-.059	-.097	-.128
-.679	-.322	-.323	-.329		-.347	-.272	-.327	-.347
-.621	-.469	-.450	-.431	-.437	-.410	-.393	-.447	-.460
-.563	-.231	-.206	-.182	-.167	-.205	-.224	-.290	-.257
-.504		-.084			-.063	-.063	-.112	-.116
-.446	-.092	-.039	-.014	.000	-.029	-.016	-.068	-.085
-.363	-.072	-.008	.117	.069	.089	.107	-.046	-.047
-.279	-.082	-.010	.043	.033	.090	.045	-.060	-.087
-.196	-.081	.039	.068	.088	.114	.009	-.043	-.097
-.113	-.097	.054	.259	.102	.127	.168	-.064	-.144
-.029	-.145	-.011	.475	.013	.099	.251	-.255	-.213
.033	-.200	-.152	-.164	-.155	.006	-.873	-.549	-.289
.096	-.255		-.379	-.312	-.202	-1.388	-.930	-.364
.158	-.453		-.892	-.372	-.314		-.966	-.453
.221	-.498	-.515	-.741	-.369	-.352	-1.076	-.869	-.616
.283	-.516	-.710	-.572	-.376	-.367	-.727	-.726	-.493
.346	-.428	-.568	-.580	-.521	-.513	-.478		-.496
.387	-.356	-.414	-.623	-.500		-.375	-.525	-.702

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	.992	.397	3.244	3.	1.46	18.	32.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.165	-.085	.015	-.012	-.013	-.045	-.134	-.188
-.679	-.357	-.321	-.314		-.325	-.256	-.349	-.369
-.621	-.483	-.449	-.428	-.414	-.387	-.380	-.454	-.464
-.563	-.231	-.201	-.175	-.143	-.185	-.217	-.295	-.256
-.504		-.089			-.052	-.073	-.124	-.125
-.446	-.093	-.044	-.002	.018	-.020	-.028	-.077	-.090
-.363	-.074	-.015	.125	.085	.108	.093	-.064	-.059
-.279	-.082	-.019	.048	.050	.106	.031	-.073	-.099
-.196	-.093	.021	.056	.107	.137	-.020	-.071	-.120
-.113	-.115	.030	.251	.143	.157	.148	-.106	-.156
-.029	-.176	-.058	.457	.062	.145	.206	-.319	-.248
.033	-.244	-.229	-.327	-.085	.058	-.982	-.636	-.327
.096	-.316		-.530	-.241	-.120	-1.470	-1.053	-.414
.158	-.493		-1.029	-.300	-.238		-1.059	-.516
.221	-.514	-.524	-.900	-.299	-.278	-1.371	-.973	-.630
.283	-.531	-.713	-.724	-.315	-.307	-.881	-.739	-.603
.346	-.456	-.576	-.801	-.458	-.446	-.670		-.537
.387	-.397	-.425	-.632	-.465		-.490	-.563	-.719

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.750	2.480	.392	3.238	3.	1.47	18.	33.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.216	-.094	.070	.074	.075	-.042	-.178	-.251
-.679	-.374	-.346	-.268		-.284	-.259	-.352	-.421
-.621	-.489	-.472	-.424	-.410	-.376	-.383	-.463	-.489
-.563	-.255	-.209	-.155	-.142	-.199	-.223	-.293	-.284
-.504		-.082			-.058	-.073	-.128	-.146
-.446	-.115	-.042	.022	.029	-.028	-.029	-.078	-.109
-.363	-.096	-.014	.152	.099	.105	.087	-.069	-.081
-.279	-.109	-.017	.059	.067	.121	.023	-.089	-.116
-.196	-.115	.008	.062	.136	.160	-.047	-.086	-.137
-.113	-.144	.014	.267	.179	.190	.135	-.139	-.192
-.029	-.224	-.107	.462	.119	.203	.148	-.385	-.290
.033	-.300	-.322	-.455	-.025	.135	-1.111	-.724	-.385
.096	-.388		-.683	-.181	-.045	-1.568	-1.155	-.482
.158	-.622		-1.115	-.234	-.161		-1.148	-.591
.221	-.529	-.716	-1.157	-.244	-.218	-1.691	-1.081	-.653
.283	-.563	-.717	-1.011	-.260	-.255	-1.121	-.791	-.771
.346	-.638	-.688	-1.027	-.409	-.404	-.859		-.766
.387	-.612	-.627	-1.085	-.400		-.754	-.715	-.911

C-3

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.515	.432	3.665	3.	1.50	14.	20.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.244	-.131	.041	.039	.056	-.043	-.195	-.274
-.679	-.408	-.357	-.288		-.297	-.268	-.389	-.440
-.621	-.509	-.484	-.437	-.414	-.389	-.392	-.475	-.503
-.563	-.258	-.218	-.176	-.146	-.200	-.228	-.313	-.291
-.504		-.085			-.059	-.075	-.140	-.151
-.446	-.114	-.048	.015	.021	-.029	-.040	-.090	-.116
-.363	-.096	-.017	.139	.091	.103	.082	-.088	-.086
-.279	-.109	-.023	.054	.059	.119	.005	-.105	-.125
-.196	-.117	.012	.053	.124	.156	-.060	-.112	-.148
-.113	-.147	.009	.269	.163	.189	.114	-.155	-.207
-.029	-.221	-.097	.472	.097	.206	.132	-.419	-.307
.033	-.303	-.303	-.388	-.042	.139	-1.141	-.759	-.406
.096	-.425		-.823	-.187	-.043	-1.644	-1.198	-.532
.152	-.501		-1.094	-.229	-.157		-1.243	-.646
.221	-.632	-.814	-1.184	-.235	-.206	-1.155	-1.275	-.766
.283	-.724	-.913	-1.135	-.251	-.238	-.995	-.927	-.893
.346	-.806	-.995	-1.147	-.398	-.383	-.965		-.908
.387	-.511	-.693	-1.029	-.392		-.931	-.840	-.874

MACH	ALPHA	C*	J	CONF	NPR	RUN	POINT
.751	2.493	.438	3.100	3.	1.72	18.	29.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.227	-.099	.079	.076	.068	-.030	-.184	-.273
-.679	-.371	-.322	-.266		-.282	-.248	-.365	-.408
-.621	-.486	-.454	-.415	-.404	-.376	-.378	-.461	-.480
-.563	-.245	-.205	-.164	-.127	-.185	-.224	-.309	-.272
-.504		-.007			-.047	-.067	-.147	-.140
-.446	-.103	-.034	.018	.038	-.017	-.033	-.092	-.103
-.363	-.086	-.013	.144	.105	.117	.079	-.087	-.075
-.279	-.095	-.015	.058	.063	.130	.015	-.102	-.120
-.196	-.109	.028	.069	.142	.170	-.042	-.092	-.132
-.113	-.134	.026	.282	.182	.204	.135	-.145	-.190
-.029	-.212	-.085	.499	.114	.214	.148	-.397	-.287
.033	-.295	-.295	-.373	-.031	.156	-1.126	-.744	-.379
.096	-.370		-.803	-.175	-.032	-1.595	-1.181	-.472
.158	-.686		-1.080	-.218	-.150		-1.144	-.708
.221	-.567	-.711	-1.103	-.230	-.206	-1.745	-1.115	-.704
.283	-.651	-.743	-1.007	-.246	-.239	-1.319	-1.125	-.779
.346	-.789	-.845	-1.107	-.404	-.384	-1.023		-.930
.387	-.809	-.912	-1.223	-.408		-.986	-.907	-1.007

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.995	.392	3.236	3.	1.46	18.	34.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.245	-.107	.081	.097	.093	-.020	-.191	-.285
-.679	-.386	-.340	-.266		-.269	-.246	-.365	-.432
-.621	-.488	-.464	-.406	-.389	-.357	-.370	-.450	-.479
-.563	-.243	-.210	-.152	-.117	-.174	-.223	-.297	-.269
-.504		-.080			-.048	-.064	-.138	-.151
-.446	-.112	-.035	.022	.040	-.013	-.027	-.089	-.107
-.363	-.086	-.021	.152	.108	.127	.079	-.083	-.085
-.279	-.096	-.023	.050	.078	.126	.012	-.108	-.119
-.196	-.121	.013	.057	.149	.174	-.049	-.099	-.141
-.113	-.148	.000	.276	.195	.205	.122	-.150	-.199
-.029	-.236	-.127	.462	.136	.227	.127	-.414	-.302
.033	-.317	-.353	-.495	.009	.164	-1.152	-.758	-.387
.096	-.407		-.952	-.142	-.012	-1.626	-1.196	-.489
.158	-.638		-1.161	-.200	-.131		-1.185	-.616
.221	-.543	-.777	-1.246	-.211	-.176	-1.741	-1.120	-.665
.283	-.571	-.726	-1.091	-.231	-.214	-1.198	-.834	-.809
.346	-.763	-.884	-1.098	-.384	-.368	-.951		-.876
.387	-.778	-.803	-1.268	-.385		-.843	-.814	-1.025

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.801	.019	.418	3.407	3.	1.70	15.	10.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.087	-.041	.006	-.056	-.042	-.041	-.073	-.100
-.679	-.306	-.310	-.308		-.334	-.264	-.324	-.340
-.621	-.516	-.501	-.481	-.479	-.450	-.434	-.497	-.512
-.563	-.213	-.189	-.172	-.159	-.197	-.209	-.282	-.246
-.504		-.070			-.051	-.051	-.094	-.099
-.446	-.071	-.018	.013	.024	-.015	-.001	-.043	-.055
-.363	-.049	.014	.145	.087	.113	.124	-.019	-.022
-.279	-.049	.030	.081	.060	.117	.076	-.022	-.053
-.196	-.044	.078	.111	.119	.151	.038	-.003	-.057
-.113	-.044	.112	.317	.136	.163	.226	-.010	-.098
-.029	-.094	.061	.551	.038	.139	.327	-.189	-.169
.033	-.150	-.082	-.031	-.157	.032	-.719	-.478	-.245
.096	-.245		-.273	-.352	-.206	-1.220	-.874	-.360
.158	-.319		-.786	-.462	-.369		-.932	-.473
.221	-.412	-.565	-.752	-.430	-.423	-1.362	-1.003	-.531
.283	-.497	-.616	-.748	-.393	-.398	-1.285	-.896	-.631
.346	-.608	-.662	-.851	-.614	-.612	-.934		-.749
.387	-.639	-.752	-.936	-.673		-.717	-.944	-.938

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	1.011	.412	3.407	3.	1.69	15.	11.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.138	-.057	.042	.028	.017	-.032	-.111	-.161
-.679	-.332	-.314	-.279		-.310	-.264	-.334	-.373
-.621	-.512	-.498	-.474	-.470	-.435	-.422	-.491	-.509
-.563	-.215	-.192	-.164	-.151	-.197	-.214	-.284	-.254
-.504		-.063			-.049	-.043	-.105	-.108
-.446	-.075	-.014	.022	.034	-.012	-.005	-.049	-.062
-.363	-.050	.022	.152	.098	.115	.126	-.034	-.031
-.279	-.057	.025	.083	.067	.127	.066	-.034	-.064
-.196	-.053	.078	.131	.134	.166	.030	.007	-.068
-.113	-.059	.094	.321	.163	.186	.208	-.029	-.109
-.029	-.116	.026	.544	.075	.174	.290	-.233	-.190
.033	-.186	-.138	-.122	-.108	.084	-.806	-.531	-.271
.096	-.287		-.399	-.287	-.134	-1.303	-.944	-.396
.158	-.361		-.854	-.345	-.275		-1.001	-.512
.221	-.467	-.637	-.879	-.351	-.325	-1.438	-1.073	-.590
.283	-.546	-.706	-.854	-.335	-.335	-1.382	-.963	-.686
.346	-.673	-.745	-.924	-.532	-.550	-1.054		-.829
.387	-.737	-.831	-.998	-.614		-.829	-1.112	-1.007

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	2.506	.307	3.212	3.	1.35	16.	13.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.189	-.062	.101	.097	.089	-.013	-.152	-.232
-.679	-.337	-.298	-.258		-.264	-.233	-.356	-.395
-.621	-.483	-.461	-.441	-.403	-.372	-.375	-.463	-.467
-.563	-.201	-.177	-.146	-.100	-.153	-.195	-.276	-.226
-.504		-.059			-.022	-.049	-.106	-.094
-.446	-.063	-.002	.033	.061	.018	.007	-.056	-.060
-.363	-.036	.022	.169	.135	.153	.125	-.032	-.026
-.279	-.038	.019	.076	.099	.160	.066	-.044	-.063
-.196	-.048	.055	.091	.175	.193	.015	-.025	-.068
-.113	-.079	.060	.305	.216	.224	.195	-.054	-.115
-.029	-.150	-.048	.500	.162	.222	.251	-.273	-.200
.033	-.239	-.263	-.330	.006	.152	-.874	-.563	-.293
.096	-.348		-.785	-.161	-.042	-1.359	-.971	-.413
.158	-.429		-.977	-.238	-.165		-1.020	-.530
.221	-.552	-.774	-1.091	-.248	-.228	-1.480	-1.086	-.636
.283	-.662	-.826	-1.075	-.254	-.258	-1.426	-1.017	-.784
.346	-.804	-.925	-1.078	-.485	-.465	-1.175		-.895
.387	-.863	-1.008	-1.117	-.586		-.933	-1.214	-1.021

MACH ALPHA CT J CONF NPR RUN POINT
 .799 3.008 .399 3.409 3. 1.67 15. 13.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.211	-.065	.114	.113	.106	-.007	-.171	-.254
-.679	-.356	-.300	-.225		-.270	-.251	-.364	-.414
-.621	-.501	-.483	-.436	-.426	-.402	-.409	-.475	-.490
-.563	-.214	-.186	-.141	-.116	-.170	-.216	-.285	-.252
-.504		-.052			-.030	-.043	-.109	-.111
-.446	-.065	-.001	.046	.054	.008	-.005	-.057	-.073
-.363	-.039	.030	.185	.128	.139	.116	-.034	-.038
-.279	-.051	.032	.094	.095	.151	.054	-.051	-.067
-.196	-.056	.073	.112	.167	.193	-.001	-.038	-.079
-.113	-.078	.078	.337	.211	.233	.190	-.068	-.129
-.025	-.147	-.022	.550	.137	.253	.227	-.312	-.223
.033	-.226	-.224	-.264	-.029	.182	-.940	-.636	-.319
.096	-.346		-.726	-.180	-.017	-1.435	-1.039	-.441
.158	-.432		-.950	-.250	-.154		-1.098	-.571
.221	-.559	-.782	-1.073	-.244	-.224	-1.576	-1.152	-.667
.283	-.663	-.866	-1.071	-.245	-.250	-1.535	-1.090	-.803
.346	-.785	-.954	-1.086	-.482	-.471	-1.139		-.936
.387	-.910	-1.016	-1.137	-.555		-.987	-1.272	-1.099

MACH ALPHA CT J CONF NPR RUN POINT
 .800 2.519 .402 3.408 3. 1.68 15. 12.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.197	-.067	.099	.085	.086	-.017	-.162	-.238
-.679	-.342	-.300	-.239		-.272	-.248	-.361	-.403
-.621	-.497	-.485	-.455	-.431	-.404	-.408	-.487	-.492
-.563	-.207	-.181	-.150	-.117	-.176	-.209	-.287	-.245
-.504		-.056			-.034	-.052	-.112	-.110
-.446	-.066	-.005	.037	.055	.010	-.006	-.056	-.064
-.363	-.037	.025	.172	.116	.140	.117	-.039	-.038
-.279	-.046	.026	.093	.092	.146	.052	-.042	-.062
-.196	-.054	.067	.110	.163	.191	-.000	-.031	-.072
-.113	-.069	.083	.324	.208	.218	.195	-.063	-.115
-.029	-.142	-.009	.550	.125	.236	.248	-.284	-.214
.033	-.213	-.204	-.222	-.033	.162	-.907	-.603	-.303
.096	-.326		-.670	-.184	-.033	-1.399	-1.013	-.422
.158	-.407		-.913	-.260	-.175		-1.066	-.558
.221	-.533	-.739	-1.025	-.260	-.232	-1.538	-1.125	-.645
.283	-.629	-.833	-1.019	-.262	-.255	-1.497	-1.056	-.761
.346	-.758	-.897	-1.046	-.488	-.478	-1.159		-.907
.387	-.873	-.960	-1.105	-.581		-.961	-1.244	-1.077

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.701	-.023	.466	3.026	2.	1.76	24.	25.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.092	-.069	-.098	-.106	-.089	-.071	-.055	-.107
-.679	-.291	-.281	-.319		-.313	-.296	-.313	-.262
-.621	-.416	-.392	-.445		-.433	-.416	-.391	-.410
-.563	-.253	-.255		-.238	-.215	-.217	-.221	-.192
-.504	-.117	-.107			-.114	-.107	-.087	-.082
-.446	-.063	-.044	-.073	-.097	-.065	-.053	-.015	-.023
-.363	.037	.114	-.063	-.090	-.043	-.014	.133	.049
-.279	.026	-.016	-.060	-.106	-.056	-.003	.066	.037
-.196	.051	-.024	-.049	-.099	-.046	.037	.123	.040
-.113	.052	.117	-.106	-.120	-.038	.068	.280	.030
-.029	.016	.125	-.275	-.176	-.070	.051	.526	-.135
.033	-.139	-.982	-.461	-.208	-.087	-.067	.208	-.362
.096	-.323	-1.450	-.575		-.118	-.135	-.186	-.454
.158	-.457		-.485	-.235	-.124	-.253	-.486	-.498
.221	-.478	-.564	-.327	-.221	-.166	-.223	-.434	-.473
.283	-.471	-.471	-.312	-.285	-.170	-.271	-.395	-.465
.346	-.556		-.316	-.336	-.205	-.236	-.396	-.528
.387	-.478	-.201	-.341	-.499	-.118	-.170	-.420	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	.973	.466	3.025	2.	1.76	24.	26.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.140	-.084	-.063	-.044	-.037	-.059	-.088	-.164
-.679	-.308	-.283	-.303		-.287	-.294	-.327	-.304
-.621	-.421	-.401	-.439		-.419	-.410	-.395	-.428
-.563	-.259	-.253		-.232	-.212	-.212	-.226	-.203
-.504	-.125	-.099			-.106	-.128	-.088	-.091
-.446	-.068	-.057	-.055	-.083	-.071	-.046	-.022	-.033
-.363	.016	.126	-.044	-.080	-.041	-.010	.124	.040
-.279	.009	-.000	-.037	-.084	-.045	.005	.066	.021
-.196	.034	.001	-.023	-.081	-.028	.048	.128	.016
-.113	.023	.139	-.064	-.093	-.019	.093	.293	-.005
-.029	-.034	.179	-.194	-.142	-.032	.097	.548	-.183
.033	-.209	-.783	-.343	-.157	-.048	.000	.308	-.438
.096	-.416	-.988	-.436		-.079	-.062	-.088	-.560
.158	-.548		-.443	-.186	-.098	-.175	-.385	-.575
.221	-.549	-.559	-.294	-.185	-.147	-.174	-.356	-.528
.283	-.518	-.465	-.291	-.277	-.146	-.263	-.336	-.504
.346	-.594		-.301	-.318	-.184	-.228	-.362	-.561
.387	-.508	-.176	-.332	-.483	-.093	-.165	-.390	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.699	2.476	.465	3.023	2.	1.76	24.	27.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.219	-.108	-.019	.033	.027	-.042	-.137	-.242
-.679	-.343	-.289	-.280		-.249	-.273	-.342	-.336
-.621	-.435	-.397	-.427		-.401	-.394	-.394	-.443
-.563	-.267	-.246		-.218	-.196	-.209	-.235	-.217
-.504	-.130	-.099			-.091	-.106	-.105	-.106
-.446	-.070	-.027	-.042	-.066	-.054	-.054	-.032	-.050
-.363	.012	.128	-.022	-.061	-.030	-.012	.103	.012
-.279	-.009	.015	-.015	-.071	-.030	.015	.055	-.006
-.196	.009	.035	.008	-.058	-.009	.068	.134	-.017
-.113	-.020	.179	-.007	-.055	.012	.129	.299	-.039
-.029	-.117	.285	-.103	-.082	.002	.154	.558	-.260
.033	-.338	-.468	-.223	-.101	-.002	.083	.455	-.550
.096	-.563	-.761	-.328		-.020	.021	.052	-.736
.158	-.743		-.368	-.126	-.040	-.091	-.231	-.828
.221	-.662	-.506	-.219	-.135	-.125	-.105	-.241	-.631
.283	-.590	-.422	-.257	-.259	-.116	-.234	-.253	-.557
.346	-.643		-.279	-.296	-.167	-.205	-.288	-.594
.387	-.552	-.147	-.305	-.468	-.059	-.148	-.298	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.700	2.980	.465	3.023	2.	1.76	24.	28.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.234	-.117	-.000	.058	.052	-.035	-.158	-.261
-.679	-.349	-.290	-.265		-.236	-.274	-.343	-.346
-.621	-.436	-.403	-.418		-.392	-.392	-.400	-.443
-.563	-.266	-.248		-.205	-.188	-.208	-.233	-.227
-.504	-.126	-.095			-.085	-.118	-.106	-.115
-.446	-.068	-.033	-.029	-.062	-.047	-.053	-.040	-.050
-.363	.012	.133	-.016	-.047	-.023	-.009	.098	.010
-.279	-.011	.026	-.003	-.057	-.027	.017	.053	-.007
-.196	-.004	.050	.023	-.043	-.005	.077	.135	-.032
-.113	-.036	.197	.013	-.049	.026	.139	.301	-.059
-.029	-.137	.322	-.075	-.066	.20	.176	.574	-.290
.033	-.371	-.345	-.174	-.083	.010	.103	.503	-.582
.096	-.631	-.700	-.287		-.011	.046	.093	-.782
.158	-.841		-.342	-.101	-.029	-.064	-.188	-.941
.221	-.727	-.486	-.194	-.105	-.106	-.090	-.205	-.708
.283	-.613	-.407	-.231	-.242	-.088	-.201	-.224	-.583
.346	-.651		-.253	-.274	-.144	-.172	-.234	-.597
.387	-.558	-.136	-.282	-.447	-.042	-.118	-.280	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.750	-.024	.391	3.229	2.	1.57	24.	29.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.072	-.047	-.080	-.092	-.066	-.049	-.040	-.084
-.679	-.280	-.277	-.313		-.308	-.300	-.310	-.263
-.621	-.421	-.404	-.458		-.451	-.430	-.409	-.423
-.563	-.238	-.244		-.225	-.207	-.208	-.214	-.182
-.504	-.095	-.090			-.098	-.096	-.072	-.065
-.446	-.039	-.028	-.053	-.078	-.054	-.035	.007	-.008
-.363	.059	.138	-.028	-.073	-.028	-.004	.148	.078
-.279	.051	.007	-.030	-.076	-.038	.010	.074	.068
-.196	.082	.019	-.017	-.075	-.031	.043	.132	.070
-.113	.085	.161	-.058	-.100	-.034	.064	.287	.075
-.029	.040	.201	-.210	-.158	-.066	.037	.516	-.071
.033	-.123	-.762	-.408	-.202	-.099	-.104	.124	-.313
.096	-.339	-1.240	-.636		-.151	-.186	-.273	-.477
.158	-.524		-.709	-.282	-.140	-.330	-.587	-.608
.221	-.538	-.584	-.362	-.247	-.106	-.256	-.520	-.494
.283	-.487	-.417	-.289	-.179	-.202	-.304	-.451	-.474
.346	-.614		-.284	-.234	-.129	-.298	-.412	-.587
.387	-.535	-.161	-.283	-.484	-.162	-.130	-.408	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	.978	.393	3.226	2.	1.58	24.	30.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.125	-.065	-.041	-.026	-.023	-.044	-.071	-.144
-.679	-.311	-.285	-.300		-.287	-.292	-.328	-.293
-.621	-.433	-.408	-.455		-.435	-.425	-.399	-.431
-.563	-.243	-.245		-.217	-.200	-.204	-.213	-.183
-.504	-.102	-.083			-.086	-.098	-.075	-.071
-.446	-.040	-.025	-.038	-.065	-.048	-.033	.000	-.007
-.363	.049	.143	-.018	-.054	-.022	.006	.150	.062
-.279	.038	.025	-.004	-.066	-.021	.020	.083	.051
-.196	.071	.038	.010	-.060	-.012	.066	.142	.054
-.113	.059	.185	-.021	-.071	-.006	.097	.310	.050
-.029	.002	.253	-.141	-.120	-.034	.082	.536	-.112
.033	-.195	-.611	-.319	-.156	-.062	-.035	.235	-.364
.096	-.425	-1.101	-.487		-.098	-.103	-.157	-.550
.158	-.635		.491	-.209	-.086	-.235	-.463	-.737
.221	-.765	-.527	-.325	-.192	-.118	-.182	-.425	-.739
.283	-.595	-.451	-.282	-.186	-.169	-.292	-.381	-.533
.346	-.630		-.283	-.246	-.136	-.287	-.368	-.574
.387	-.522	-.145	-.289	-.472	-.164	-.147	-.374	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.470	.391	3.229	2.	1.58	24.	31.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.192	-.090	.003	.061	.050	-.015	-.125	-.221
-.679	-.332	-.295	-.268		-.244	-.269	-.330	-.329
-.621	-.439	-.402	-.431		-.404	-.404	-.399	-.441
-.563	-.240	-.235		-.199	-.180	-.192	-.218	-.199
-.504	-.100	-.075			-.070	-.092	-.080	-.085
-.446	-.039	-.008	-.017	-.048	-.033	-.033	-.011	-.027
-.363	.045	.153	.002	-.041	-.010	.012	.128	.047
-.279	.028	.051	.016	-.044	-.007	.034	.086	.037
-.196	.050	.075	.047	-.031	.009	.085	.156	.036
-.113	.029	.223	.034	-.026	.023	.132	.308	.016
-.029	-.063	.339	-.066	-.066	.014	.143	.550	-.168
.033	-.276	-.359	-.191	-.089	.001	.060	.384	-.445
.096	-.525	-.714	-.331		-.028	-.006	-.005	-.639
.158	-.745		-.383	-.143	-.017	-.129	-.298	-.836
.221	-.919	-.497	-.264	-.128	-.100	-.095	-.299	-.964
.283	-.890	-.417	-.254	-.175	-.128	-.246	-.285	-.892
.346	-1.018		-.254	-.237	-.135	-.242	-.299	-.991
.387	-1.012	-.108	-.267	-.438	-.149	-.144	-.327	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.491	.438	3.082	2.	1.87	24.	23.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.198	-.087	.009	.055	.063	-.020	-.123	-.222
-.679	-.329	-.277	-.245		-.250	-.268	-.329	-.321
-.621	-.443	-.401	-.431		-.425	-.410	-.402	-.438
-.563	-.247	-.234		-.196	-.185	-.195	-.220	-.193
-.504	-.097	-.070			-.074	-.094	-.095	-.083
-.446	-.037	-.008	-.032	-.051	-.034	-.028	-.028	-.022
-.363	.051	.161	-.018	-.044	-.008	.012	.113	.051
-.279	.035	.048	-.006	-.048	-.008	.037	.072	.050
-.196	.061	.074	.024	-.030	.008	.090	.151	.045
-.113	.038	.222	.007	-.033	.026	.150	.323	.022
-.029	-.042	.327	-.100	-.078	.016	.166	.572	-.174
.033	-.254	-.425	-.253	-.113	.012	.084	.415	-.442
.096	-.502	-.838	-.402		-.022	.010	.008	-.644
.158	-.735		-.456	-.155	-.047	-.122	-.294	-.842
.221	-.918	-.515	-.280	-.153	-.098	-.116	-.309	-.986
.283	-.916	-.442	-.261	-.209	-.108	-.212	-.301	-.907
.346	-1.028		-.271	-.271	-.147	-.170	-.304	-1.032
.387	-1.038	-.160	-.292	-.415	-.071	-.136	-.276	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.513	.452	3.240	2.	1.86	23.	22.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.192	-.089	.012	.056	.053	-.022	-.125	-.231
-.679	-.331	-.287	-.255		-.243	-.283	-.335	-.328
-.621	-.443	-.416	-.436		-.422	-.421	-.406	-.448
-.563	-.246	-.241		-.199	-.184	-.211	-.222	-.209
-.504	-.103	-.061			-.083	-.105	-.080	-.092
-.446	-.047	-.017	-.017	-.059	-.035	-.044	-.016	-.024
-.363	.049	.149	-.007	-.046	-.015	-.002	.131	.047
-.279	.031	.031	.011	-.050	-.020	.028	.086	.038
-.196	.049	.059	.035	-.038	-.000	.084	.161	.035
-.113	.031	.212	.017	-.041	.025	.137	.319	.014
-.029	-.043	.311	-.102	-.086	.015	.155	.577	-.175
.033	-.253	-.475	-.247	-.107	.005	.087	.426	-.464
.096	-.508	-.906	-.386		-.027	.025	.024	-.661
.158	-.739		-.428	-.163	-.048	-.109	-.271	-.845
.221	-.921	-.504	-.265	-.157	-.106	-.118	-.289	-.991
.283	-.909	-.438	-.253	-.211	-.152	-.272	-.290	-.905
.346	-1.043		-.274	-.272	-.129	-.182	-.305	-1.027
.387	-1.045	-.171	-.322	-.443	-.074	-.163	-.286	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.749	2.980	.391	3.228	2.	1.58	24.	32.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.214	-.095	.025	.085	.077	-.009	-.135	-.238
-.679	-.340	-.291	-.248		-.231	-.272	-.330	-.343
-.621	-.441	-.409	-.421		-.398	-.399	-.391	-.441
-.563	-.242	-.234		-.192	-.170	-.190	-.211	-.201
-.504	-.096	-.077			-.073	-.091	-.082	-.088
-.446	-.045	-.006	-.012	-.044	-.034	-.029	-.008	-.030
-.363	.040	.159	.013	-.038	-.006	.015	.129	.043
-.279	.026	.056	.030	-.037	-.004	.040	.089	.034
-.196	.044	.087	.060	-.022	.015	.087	.161	.027
-.113	.019	.231	.055	-.017	.030	.146	.322	.002
-.029	-.080	.368	-.028	-.055	.027	.172	.560	-.189
.033	-.301	-.256	-.150	-.072	.018	.086	.428	-.467
.096	-.554	-.660	-.290		-.011	.021	.035	-.665
.158	-.781		-.354	-.121	.002	-.096	-.247	-.858
.221	-.963	-.481	-.245	-.098	-.083	-.052	-.258	-1.003
.283	-.941	-.392	-.236	-.178	-.101	-.214	-.258	-.933
.346	-1.067		-.239	-.232	-.132	-.217	-.272	-1.048
.387	-1.083	-.092	-.253	-.420	-.139	-.131	-.318	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	.010	.415	3.281	2.	1.94	23.	15.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	.
-.734	-.043	-.019	-.052	-.064	-.051	-.026	-.007	-.070
-.679	-.277	-.262	-.303		-.293	-.281	-.296	-.249
-.621	-.468	-.440	-.502		-.496	-.474	-.442	-.466
-.563	-.222	-.234		-.211	-.191	-.198	-.209	-.100
-.504	-.074	-.073			-.081	-.076	-.057	-.049
-.446	-.013	-.001	-.028	-.062	-.039	-.022	.027	.020
-.363	.088	.163	-.008	-.051	-.013	.021	.176	.100
-.279	.086	.037	.001	-.059	-.016	.036	.115	.099
-.196	.133	.049	.025	-.053	-.009	.082	.180	.113
-.113	.144	.217	-.012	-.076	-.006	.112	.349	.132
-.029	.119	.266	-.176	-.147	-.050	.086	.572	.002
.033	-.048	-.679	-.406	-.206	-.096	-.075	.188	-.252
.096	-.272	-1.182	-.672		-.180	-.186	-.242	-.424
.158	-.492		-.869	-.417	-.211	-.379	-.622	-.602
.221	-.653	-1.194	-.818	-.445	-.293	-.343	-.651	-.726
.283	-.632	-.836	-.723	-.463	-.338	-.478	-.666	-.629
.346	-.770		-.506	-.467	-.331	-.454	-.745	-.689
.387	-.774	-.355	-.400	-.555	-.221	-.328	-.594	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.800	1.008	.414	3.281	2.	1.94	23.	16.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.091	-.028	-.002	-.001	-.012	-.021	-.046	-.132
-.679	-.282	-.255	-.282		-.266	-.276	-.313	-.272
-.621	-.463	-.436	-.501		-.487	-.460	-.442	-.466
-.563	-.224	-.223		-.204	-.190	-.201	-.215	-.176
-.504	-.079	-.065			-.073	-.074	-.058	-.046
-.446	-.010	.009	-.014	-.046	-.031	-.018	.023	.014
-.363	.088	.174	.005	-.044	-.008	.031	.179	.094
-.279	.079	.059	.024	-.048	-.009	.039	.117	.097
-.196	.122	.067	.042	-.035	.010	.094	.186	.106
-.113	.134	.234	.014	-.056	.013	.134	.353	.118
-.029	.091	.303	-.131	-.119	-.020	.116	.587	-.029
.033	-.085	-.587	-.340	-.179	-.053	-.022	.280	-.279
.096	-.315	-1.084	-.587		-.128	-.122	-.137	-.461
.158	-.540		-.777	-.347	-.156	-.299	-.506	-.643
.221	-.705	-1.085	-.680	-.349	-.223	-.260	-.527	-.788
.283	-.705	-.704	-.554	-.367	-.250	-.379	-.574	-.705
.346	-.832		-.363	-.385	-.241	-.344	-.579	-.806
.387	-.845	-.231	-.324	-.493	-.161	-.257	-.377	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.798	2.482	.288	3.427	2.	1.35	24.	14.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.163	-.055	.031	.073	.061	-.012	-.106	-.194
-.679	-.323	-.274	-.256		-.238	-.270	-.333	-.314
-.621	-.448	-.426	-.473		-.435	-.423	-.414	-.445
-.563	-.213	-.209		-.176	-.163	-.179	-.194	-.169
-.504	-.064	-.046			-.060	-.066	-.054	-.055
-.446	-.011	.020	.007	-.029	-.008	-.012	.020	.008
-.363	.087	.174	.028	-.019	.016	.042	.159	.087
-.279	.073	.091	.045	-.019	.018	.056	.112	.083
-.196	.104	.116	.077	-.009	.028	.098	.160	.089
-.113	.085	.259	.072	-.006	.037	.144	.322	.078
-.029	.008	.388	-.026	-.056	.016	.131	.540	-.068
.033	-.193	-.263	-.166	-.088	-.012	.028	.297	-.314
.096	-.425	-.732	-.334		-.061	-.050	-.081	-.503
.158	-.630		-.474	-.221	-.093	-.190	-.401	-.685
.221	-.798	-.689	-.413	-.176	-.117	-.189	-.398	-.821
.283	-.773	-.406	-.270	.187	-.138	-.216	-.357	-.765
.346	-.906		-.193	-.205	-.140	-.161	-.322	-.878
.387	-.930	-.042	-.131	-.327	-.091	-.086	-.301	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	2.508	.411	3.282	2.	1.94	23.	17.

NACELLE CP DATA

X/C	THETA(DEG.)							
	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.154	-.043	.046	.088	.063	-.004	-.101	-.195
-.679	-.299	-.246	-.236		-.233	-.274	-.330	-.310
-.621	-.445	-.425	-.472		-.458	-.452	-.428	-.449
-.563	-.212	-.217		-.177	-.171	-.190	-.203	-.178
-.504	-.069	-.049			-.061	-.077	-.051	-.053
-.446	-.003	.020	.007	.031	-.020	-.015	.016	.008
-.363	.089	.187	.024	-.032	.008	.029	.160	.089
-.279	.083	.078	.039	-.031	.004	.056	.122	.097
-.196	.112	.103	.068	-.010	.026	.109	.196	.100
-.113	.109	.259	.049	-.019	.037	.162	.362	.090
-.029	.042	.358	-.073	-.079	.020	.174	.601	-.074
.033	-.147	-.414	-.252	-.126	.005	.061	.393	-.325
.096	-.378	-.936	-.462		-.050	-.026	-.018	-.515
.158	-.605		-.634	-.234	-.079	-.181	-.341	-.704
.221	-.788	-.790	-.490	-.220	-.129	-.173	-.389	-.859
.283	-.798	-.502	-.339	-.248	-.149	-.252	-.369	-.800
.346	-.928		-.251	-.296	-.159	-.202	-.380	-.914
.387	-.950	-.157	-.318	-.458	-.119	-.209	-.297	

MACH	ALPHA	CT	J	CONF	NPR	RUN	POINT
.799	3.003	.410	3.280	2.	1.94	23.	18.

NACELLE CP DATA

	THETA(DEG.)							
X/C	22.5	67.5	112.5	157.5	202.5	247.5	292.5	337.5
-.734	-.167	-.044	.065	.117	.086	-.002	-.114	-.213
-.679	-.304	-.250	-.218		-.218	-.278	-.335	-.317
-.621	-.438	-.427	-.461		-.443	-.455	-.420	-.451
-.563	-.206	-.215		-.178	-.164	-.185	-.202	-.185
-.504	-.067	-.040			-.063	-.077	-.061	-.060
-.446	-.002	.025	.015	-.032	-.015	-.013	.019	.005
-.363	.089	.194	.034	-.030	.004	.031	.160	.082
-.279	.075	.089	.047	-.028	.001	.062	.130	.083
-.196	.104	.116	.035	-.014	.025	.119	.201	.095
-.113	.097	.272	.065	-.012	.042	.180	.370	.080
-.029	.028	.379	-.049	-.071	.029	.184	.603	-.087
.033	-.169	-.359	-.223	-.115	.010	.090	.431	-.345
.096	-.408	-.889	-.417		-.031	.007	.026	-.534
.158	-.625		-.557	-.221	-.063	-.145	-.294	-.727
.221	-.812	-.694	-.431	-.193	-.103	-.141	-.336	-.883
.283	-.822	-.439	-.276	-.210	-.126	-.212	-.332	-.824
.346	-.961		-.245	-.266	-.145	-.180	-.346	-.944
.387	-.982	-.178	-.330	-.460	-.114	-.196	-.289	

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16. Abstract <p>An investigation has been conducted in the Langley 16-Foot Transonic Tunnel to determine propfan installation and slipstream interference effects on an unswept supercritical wing. This data can be used for verification of existing and developing theoretical codes as well as giving an understanding of the flow interactions associated with propeller/nacelle/wing integration. The investigation was conducted over a Mach number range of 0.5 to 0.8 and at angles-of-attack from 0° to 3°. The propeller was powered by an air turbine simulator and the exhaust from the air turbine was used to simulate the exhaust from the propfan nacelle. Reynolds number based on wing chord varied from 3 to 4 million.</p> <p>Results indicate that the propfan causes an increase in the wing lift coefficient. It was found that most of the propeller induced swirl is recovered by the wing. The propeller slipstream also causes a large favorable leading edge suction peak on the upwash side and a smaller unfavorable decrease on the downwash side.</p>			
17. Key Words (Suggested by Author(s)) Propfan Wing Nacelle Installation Integration		18. Distribution Statement Unclassified - Unlimited Subject Category 02	
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